

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071320\
 Data File : VX017352.D
 Acq On : 13 Jul 2020 12:09
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:35:53 AM

Quant Time: Jul 13 12:36:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 13 11:59:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	305502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	462615	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	465819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	253427	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	561951	147.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.56%	
35) Dibromofluoromethane	5.47	113	451986	152.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.18%	
50) Toluene-d8	8.70	98	1706012	154.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.80%	
62) 4-Bromofluorobenzene	11.12	95	696055	161.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	322.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	409546	139.656	ug/l	100
3) Chloromethane	1.31	50	443771	127.442	ug/l	99
4) Vinyl Chloride	1.39	62	437976	133.650	ug/l	99
5) Bromomethane	1.62	94	255103	142.025	ug/l	98
6) Chloroethane	1.69	64	270932	138.802	ug/l	100
7) Trichlorofluoromethane	1.90	101	713733	143.833	ug/l	97
8) Diethyl Ether	2.17	74	242899	135.573	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	391347	133.862	ug/l	99
10) Methyl Iodide	2.49	142	565087	151.475	ug/l	98
11) Tert butyl alcohol	3.03	59	496693	702.867	ug/l	100
12) 1,1-Dichloroethene	2.35	96	392779	131.594	ug/l	99
13) Acrolein	2.28	56	285564	680.910	ug/l	98
14) Allyl chloride	2.70	41	708105	129.063	ug/l	98
15) Acrylonitrile	3.12	53	1175489	689.084	ug/l	99
16) Acetone	2.42	43	983319	702.813	ug/l	99
17) Carbon Disulfide	2.54	76	1179744	128.822	ug/l	100
18) Methyl Acetate	2.75	43	480487	132.694	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	1414408	140.506	ug/l	99
20) Methylene Chloride	2.83	84	449768	126.618	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	446274	133.893	ug/l	97
22) Diisopropyl ether	3.83	45	1339399	131.996	ug/l #	88
23) Vinyl Acetate	3.79	43	6123810	699.564	ug/l	100
24) 1,1-Dichloroethane	3.67	63	771155	132.973	ug/l	99
25) 2-Butanone	4.64	43	1627759	703.167	ug/l	98
26) 2,2-Dichloropropane	4.55	77	704285	135.258	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	503116	134.003	ug/l	98
28) Bromochloromethane	4.98	49	360351	128.142	ug/l	100
29) Tetrahydrofuran	5.09	42	1048762	688.691	ug/l	99
30) Chloroform	5.18	83	825159	137.642	ug/l	100
31) Cyclohexane	5.55	56	677870	136.619	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	779184	140.490	ug/l	100
36) 1,1-Dichloropropene	5.77	75	619627	141.662	ug/l	100
37) Ethyl Acetate	4.80	43	638218	144.633	ug/l	99
38) Carbon Tetrachloride	5.75	117	724265	148.812	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	712494	147.112	ug/l	96
40) Benzene	6.12	78	1778656	138.832	ug/l	100
41) Methacrylonitrile	5.01	41	362894	146.091	ug/l	98
42) 1,2-Dichloroethane	6.16	62	687367	146.945	ug/l	99
43) Isopropyl Acetate	6.42	43	1085605	147.840	ug/l	100
44) Trichloroethene	7.19	130	543585	139.855	ug/l	96
45) 1,2-Dichloropropane	7.49	63	466846	141.961	ug/l	100
46) Dibromomethane	7.64	93	333694	147.643	ug/l	99
47) Bromodichloromethane	7.88	83	709208	151.914	ug/l	97
48) Methyl methacrylate	7.74	41	556048	159.545	ug/l	100
49) 1,4-Dioxane	7.71	88	217608	2781.360	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	3357832	765.291	ug/l	100
52) Toluene	8.77	92	1197148	148.958	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	821828	159.686	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	830046	150.753	ug/l	100
55) 1,1,2-Trichloroethane	9.20	97	494382	149.860	ug/l	99
56) Ethyl methacrylate	9.16	69	793847	169.693	ug/l	99
57) 1,3-Dichloropropane	9.35	76	824179	148.179	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	1902366	813.917	ug/l	100
59) 2-Hexanone	9.48	43	2552369	792.084	ug/l	99
60) Dibromochloromethane	9.57	129	629746	163.062	ug/l	100
61) 1,2-Dibromoethane	9.65	107	554282	156.093	ug/l	98
64) Tetrachloroethene	9.32	164	535136	140.339	ug/l	99
65) Chlorobenzene	10.12	112	1385204	143.996	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	557985	149.471	ug/l	99
67) Ethyl Benzene	10.24	91	2422617	151.042	ug/l	100
68) m/p-Xylenes	10.34	106	1859049	301.917	ug/l	98
69) o-Xylene	10.68	106	893433	152.051	ug/l	99
70) Styrene	10.70	104	1571030	157.231	ug/l	100
71) Bromoform	10.84	173	493693	165.573	ug/l #	99
73) Isopropylbenzene	11.00	105	2422781	146.585	ug/l	99
74) N-amyl acetate	10.88	43	1016851	145.930	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	709004	137.167	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	659018m	133.566	ug/l	
77) Bromobenzene	11.24	156	650929	142.121	ug/l	97
78) n-propylbenzene	11.35	91	2769337	148.065	ug/l	100
79) 2-Chlorotoluene	11.41	91	1637310	144.660	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	2070191	150.832	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	281261	148.082	ug/l	98
82) 4-Chlorotoluene	11.49	91	1946514	143.634	ug/l	99
83) tert-Butylbenzene	11.76	119	2038193	151.119	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	2104173	150.768	ug/l	99
85) sec-Butylbenzene	11.93	105	2397328	151.338	ug/l	100
86) p-Isopropyltoluene	12.05	119	2271696	154.252	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	1171912	140.721	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	1165419	137.166	ug/l	100
89) n-Butylbenzene	12.37	91	1936082	147.750	ug/l	99
90) Hexachloroethane	12.58	117	432031	149.130	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	1118369	144.461	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	185435	148.548	ug/l	99

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ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

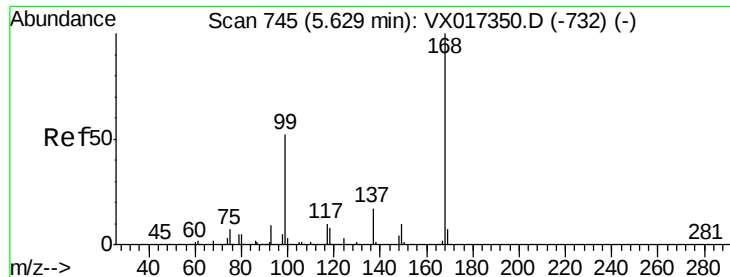
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	842388	158.770	ug/l	98
94) Hexachlorobutadiene	13.77	225	319513	147.251	ug/l	98
95) Naphthalene	13.82	128	2591189	162.377	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	812319	158.545	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 305502

Ion Ratio Lower Upper

168 100

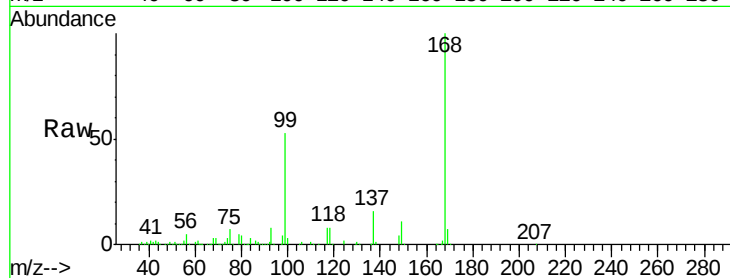
99 52.4 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

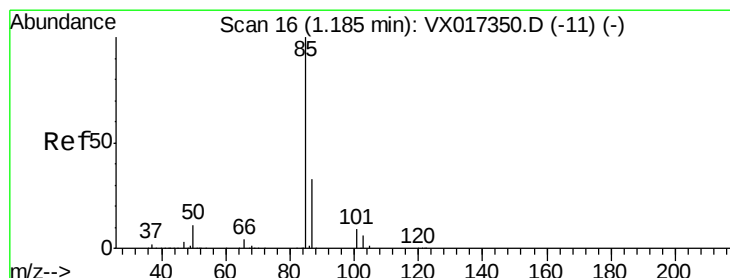
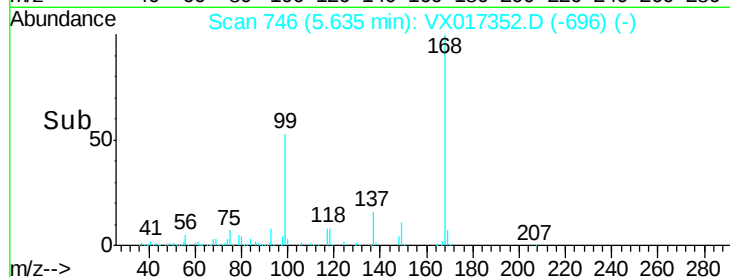
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 139.656 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017352.D

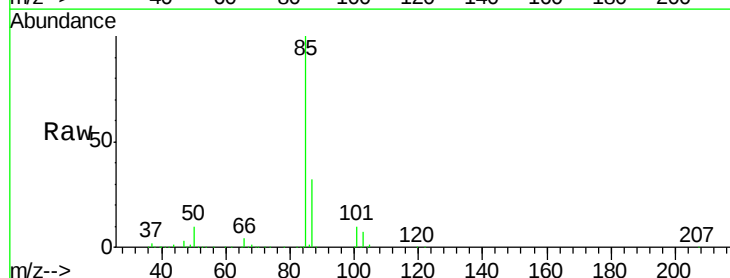
Acq: 13 Jul 2020 12:09

Tgt Ion: 85 Resp: 409546

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

500000

400000

300000

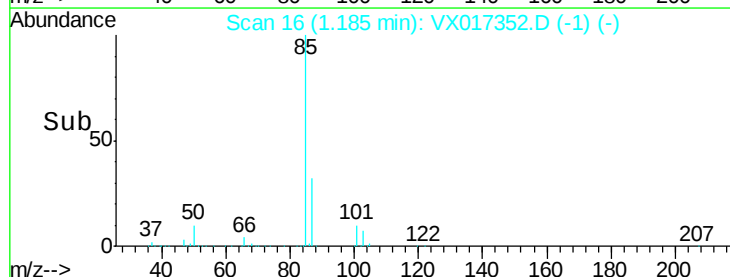
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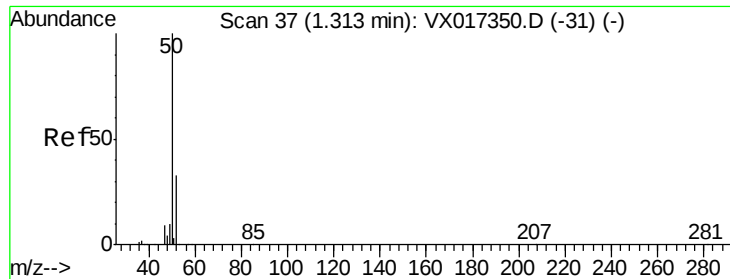
100000

0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 127.442 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 443771

Ion Ratio Lower Upper

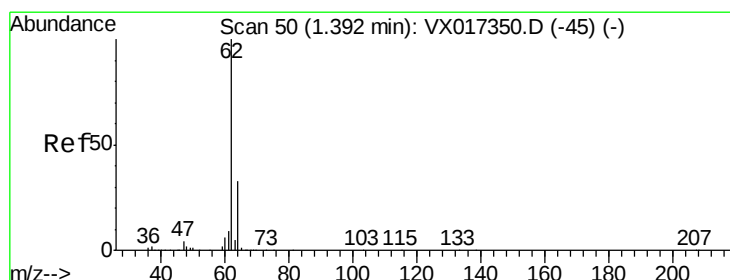
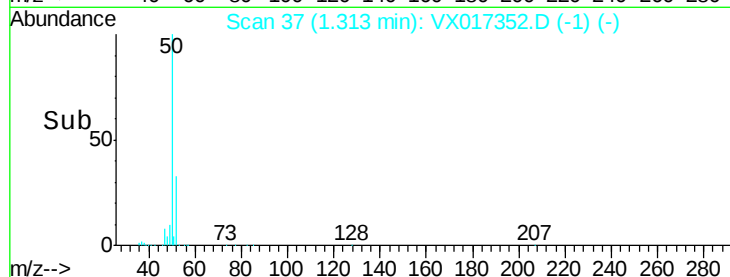
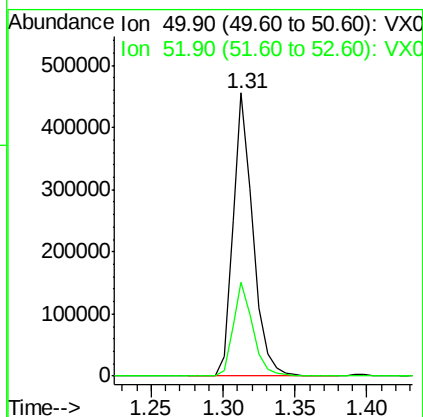
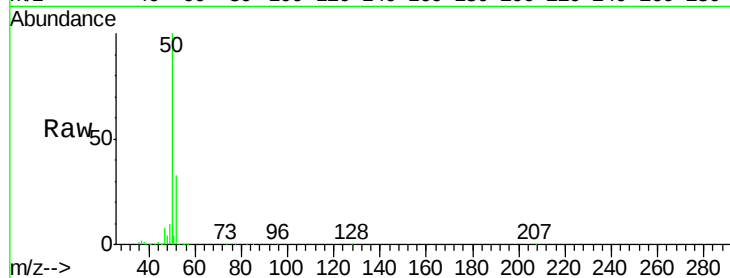
50 100

52 33.1 26.7 40.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 133.650 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017352.D

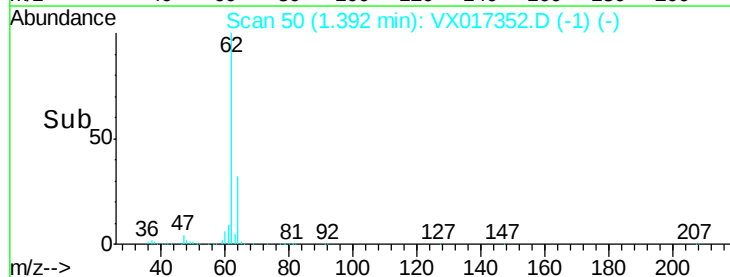
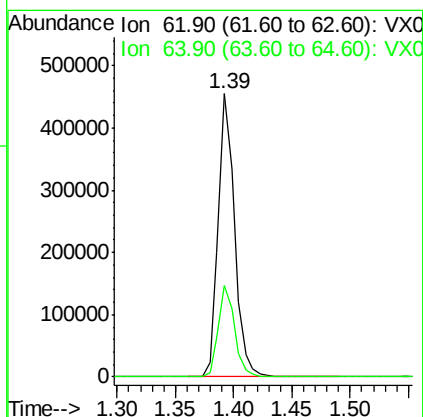
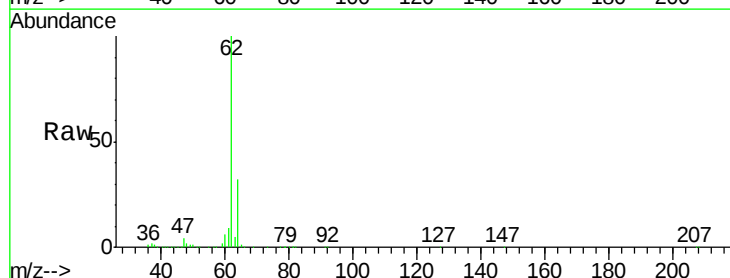
Acq: 13 Jul 2020 12:09

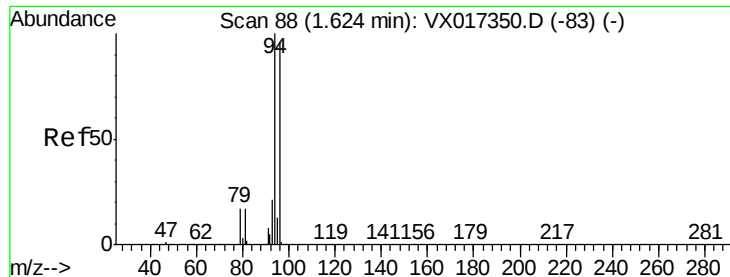
Tgt Ion: 62 Resp: 437976

Ion Ratio Lower Upper

62 100

64 32.1 26.3 39.5





#5

Bromomethane

Concen: 142.025 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Tot Ion: 94 Resp: 255103

Ion Ratio Lower Upper

94 100

96 94.3 76.6 115.0

Instrument :

MSVOA_X

ClientSampleId :

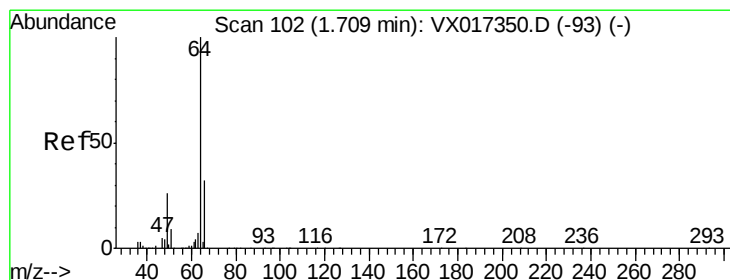
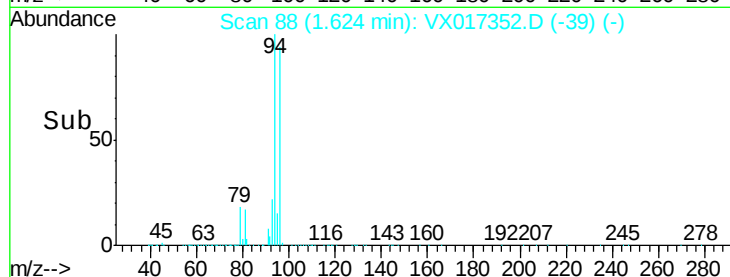
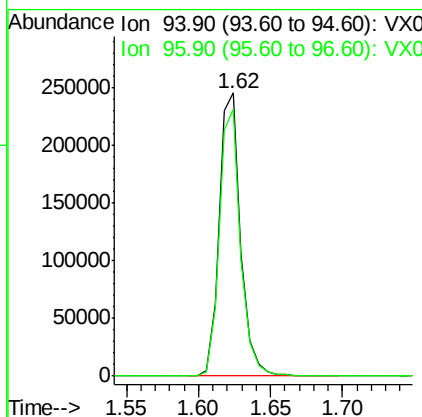
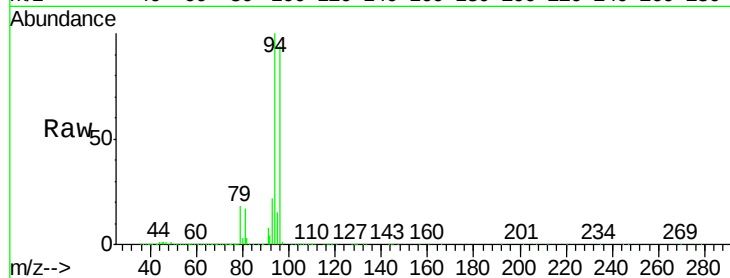
VSTDIC150

Manual Integrations

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#6

Chloroethane

Concen: 138.802 ug/l

RT: 1.69 min Scan# 99

Delta R.T. -0.02 min

Lab File: VX017352.D

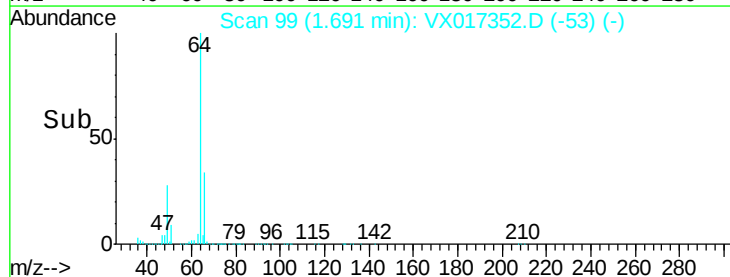
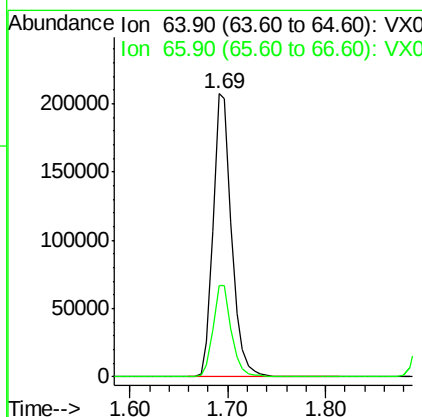
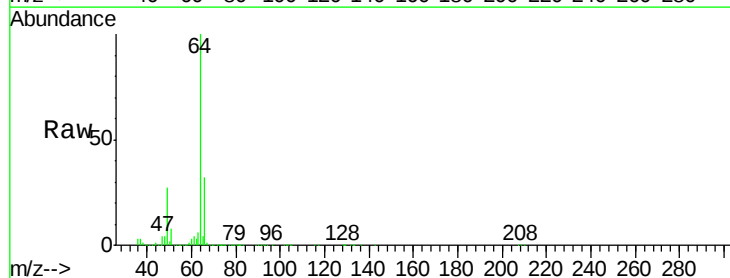
Acq: 13 Jul 2020 12:09

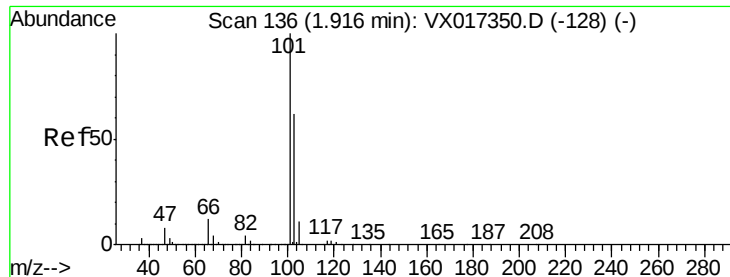
Tgt Ion: 64 Resp: 270932

Ion Ratio Lower Upper

64 100

66 32.1 25.7 38.5





#7

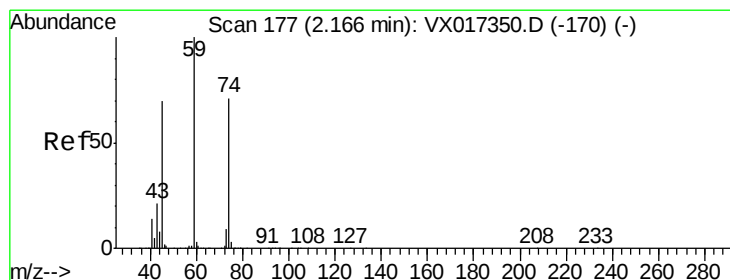
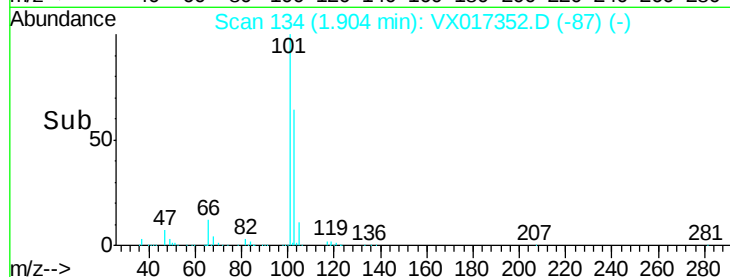
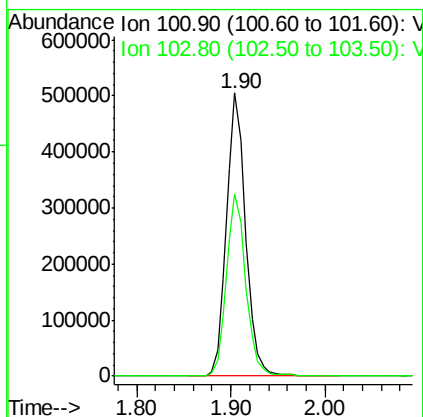
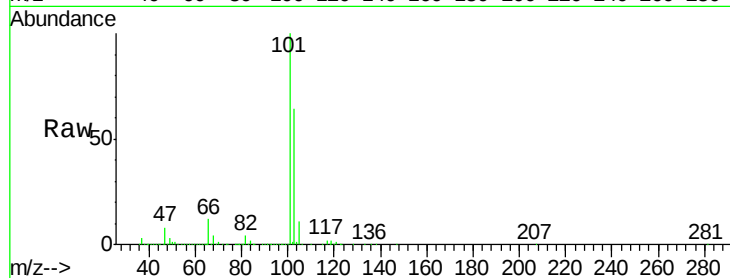
Trichlorofluoromethane
Concen: 143.833 ug/l
RT: 1.90 min Scan# 134
Delta R.T. -0.01 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	49.6	74.4

Manual Integrations
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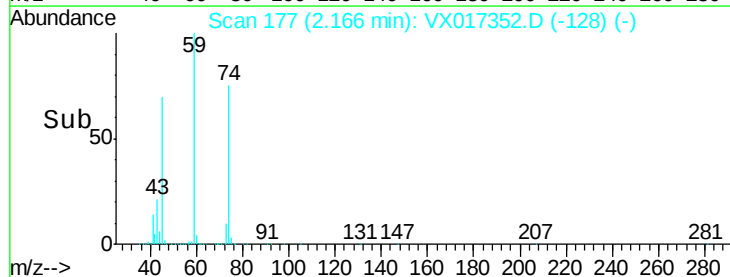
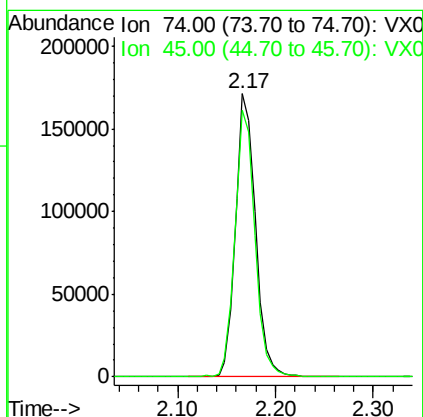
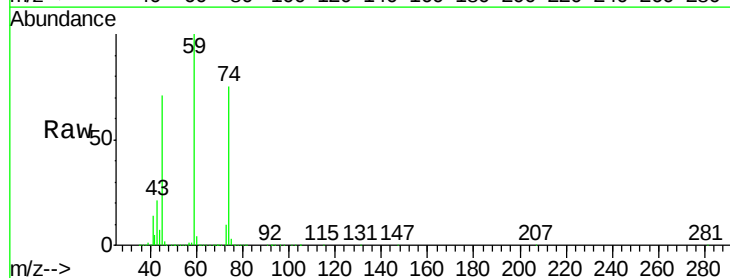
MMDadoda
7/14/2020 11:35:53 AM

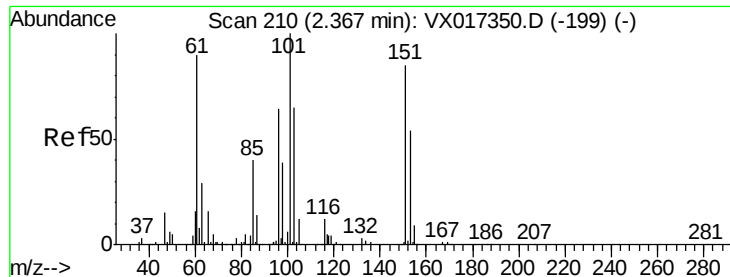


#8

Diethyl Ether
Concen: 135.573 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.9	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 133.862 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

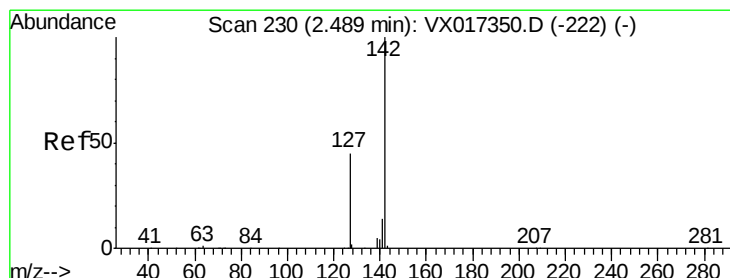
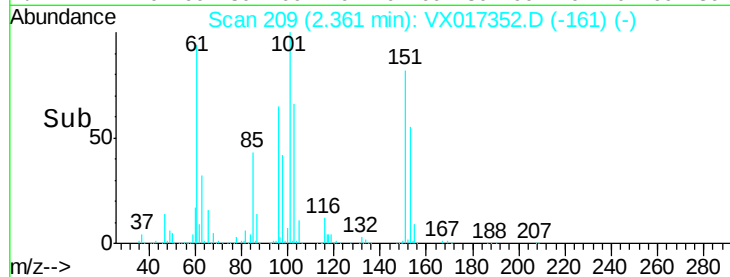
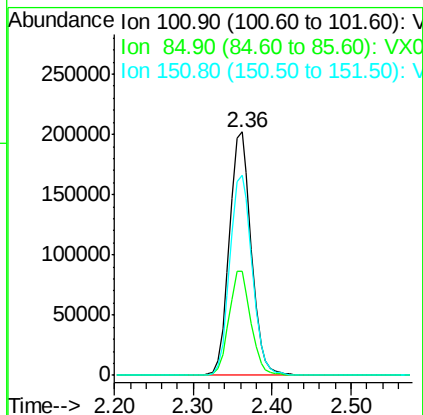
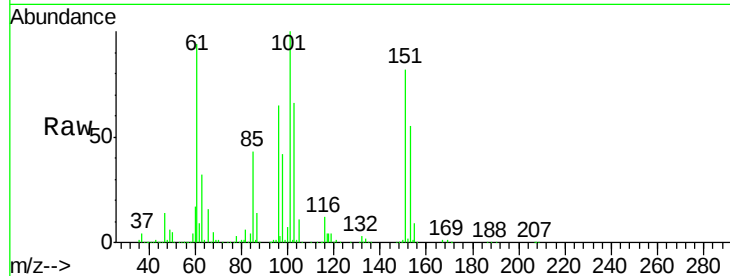
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	391347
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.7	50.5
151	84.0	66.4	99.6

Manual Integrations
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#10

Methyl Iodide

Concen: 151.475 ug/l

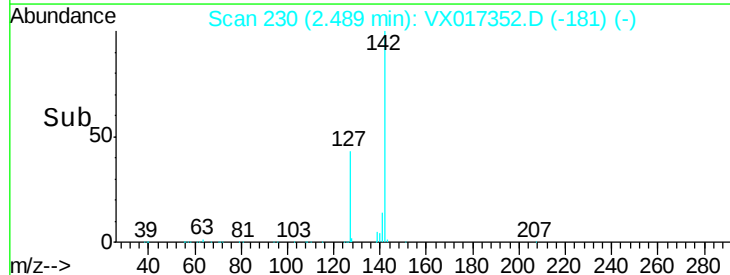
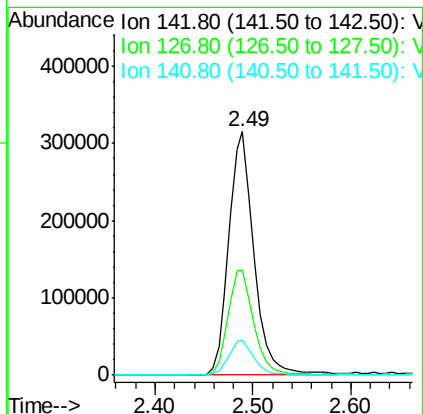
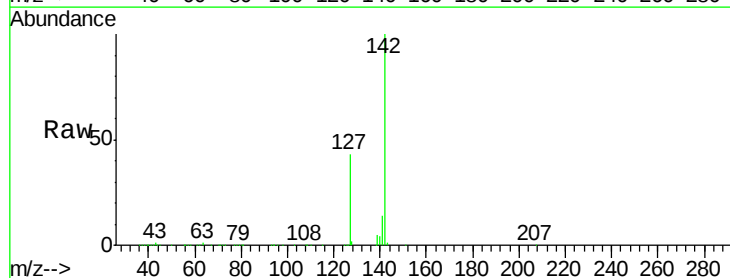
RT: 2.49 min Scan# 230

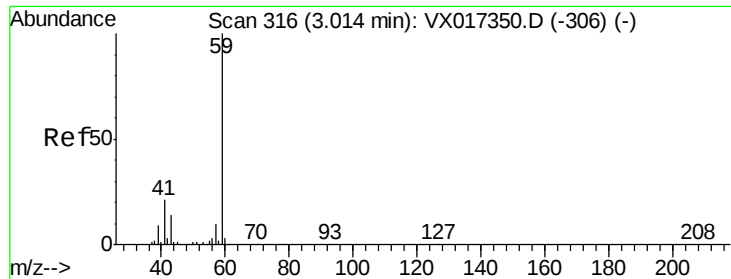
Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Tgt Ion:	142	Resp:	565087
Ion Ratio	Lower	Upper	
142	100		
127	44.2	36.8	55.2
141	14.3	11.4	17.0





#11

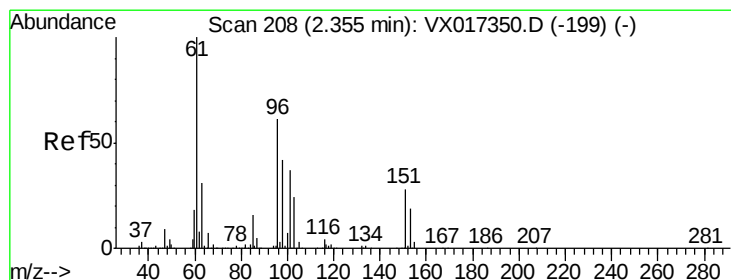
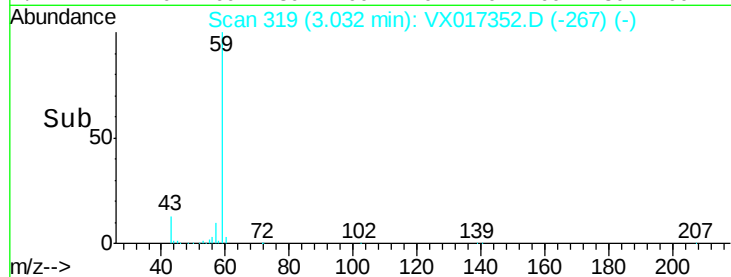
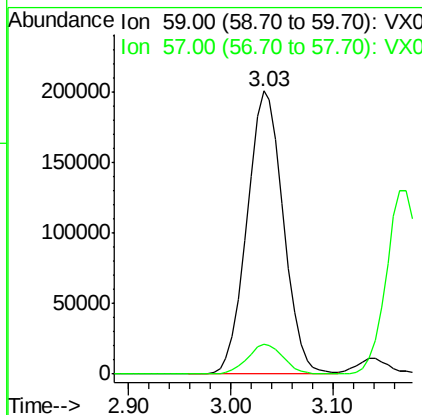
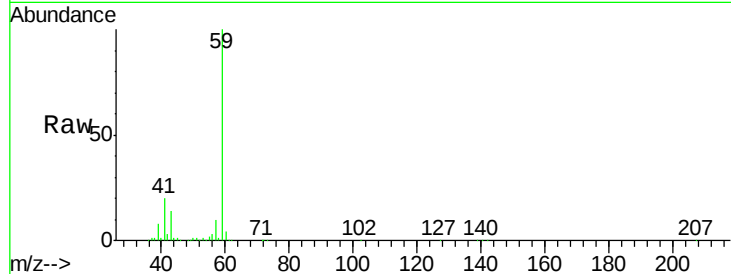
Tert butyl alcohol
Concen: 702.867 ug/l
RT: 3.03 min Scan# 319
Delta R.T. 0.02 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	496693		
57	10.5		8.3	12.5

Manual Integrations
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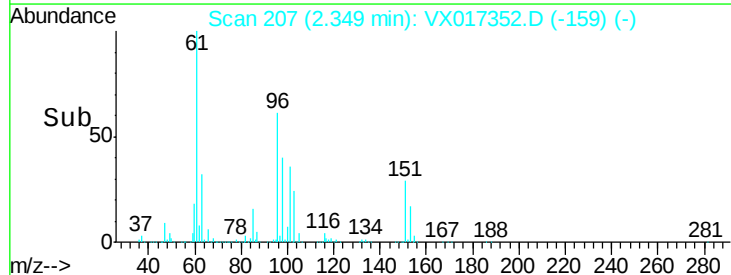
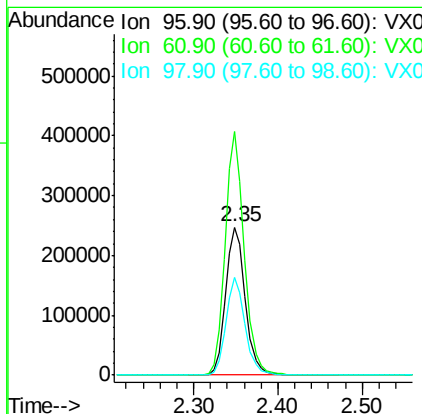
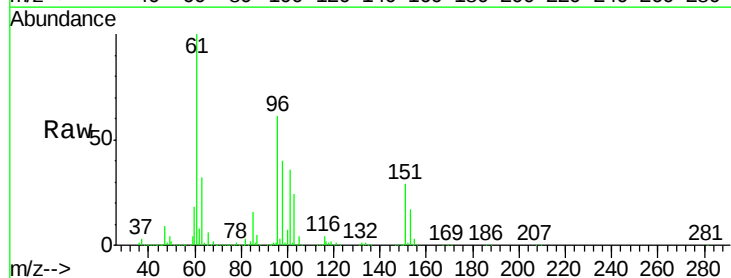
MMDadoda
7/14/2020 11:35:53 AM

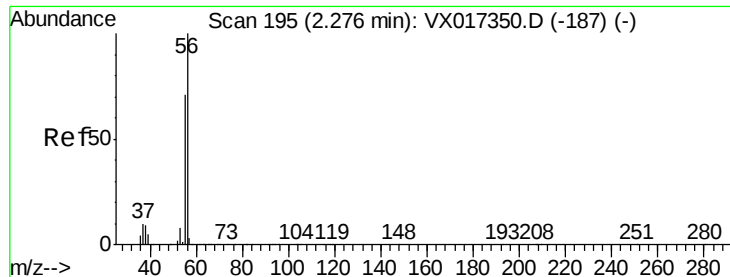


#12

1,1-Dichloroethene
Concen: 131.594 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	392779		
61	164.7		131.5	197.3
98	66.2		55.1	82.7





#13

Acrolein

Concen: 680.910 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 285564

Ion Ratio Lower Upper

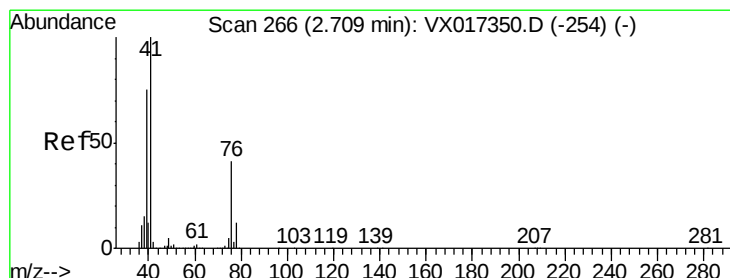
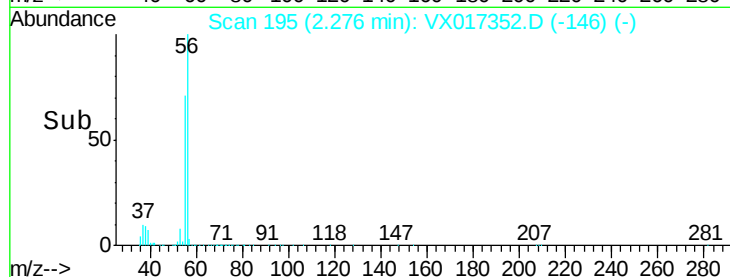
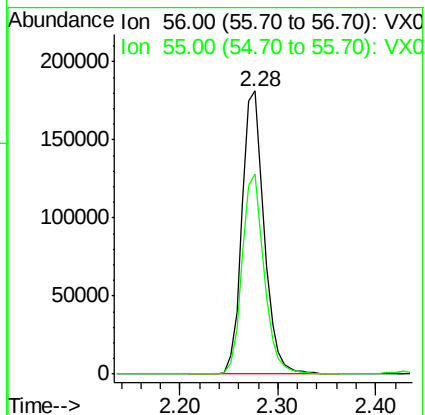
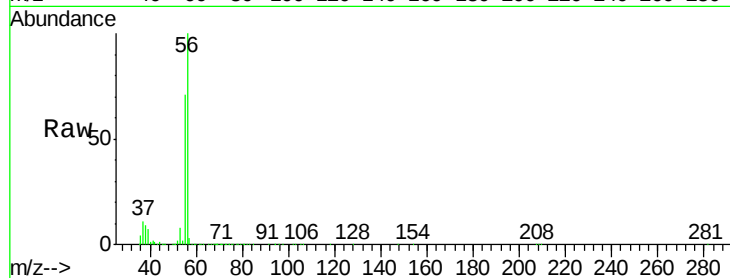
56 100

55 70.1 57.1 85.7

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 129.063 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

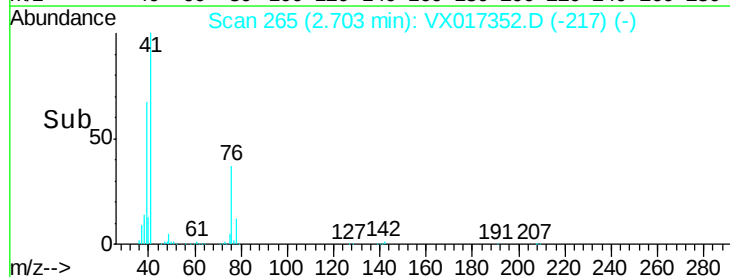
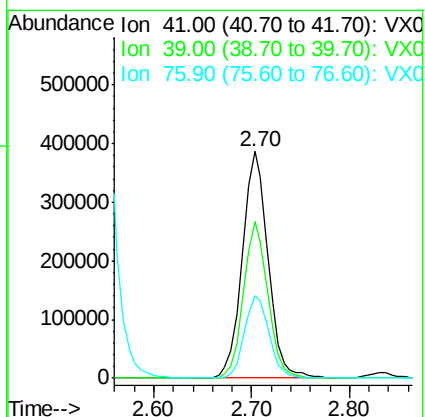
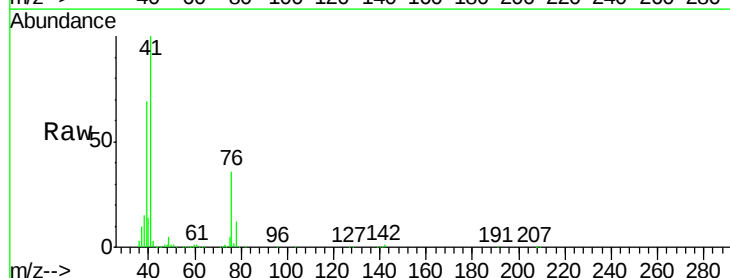
Tgt Ion: 41 Resp: 708105

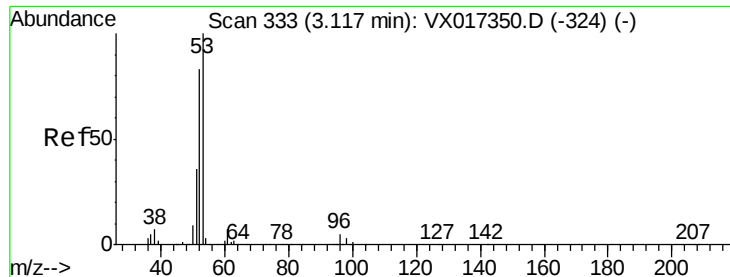
Ion Ratio Lower Upper

41 100

39 64.7 53.0 79.4

76 34.7 28.2 42.2





#15

Acrylonitrile

Concen: 689.084 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1175489

Ion Ratio Lower Upper

53 100

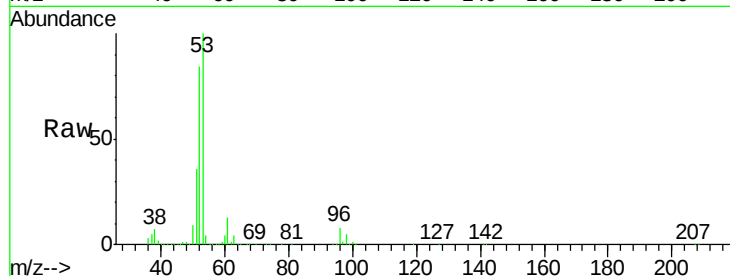
52 82.9 65.8 98.6

51 35.9 29.2 43.8

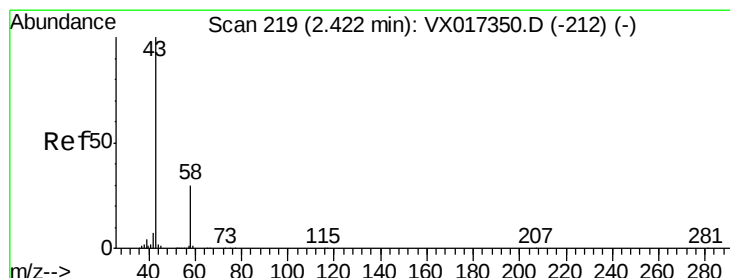
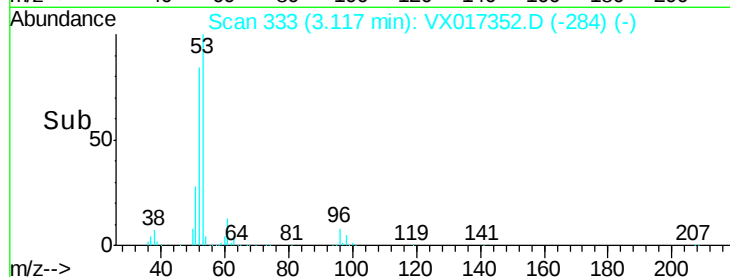
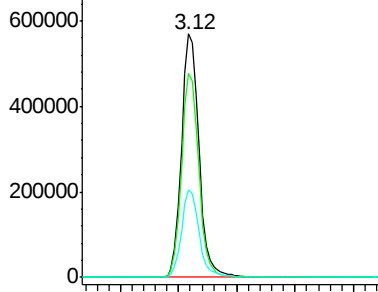
Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 702.813 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017352.D

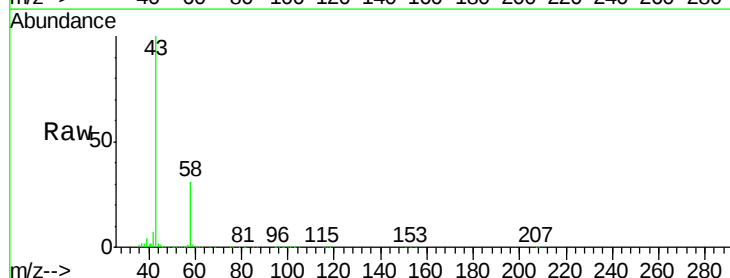
Acq: 13 Jul 2020 12:09

Tgt Ion: 43 Resp: 983319

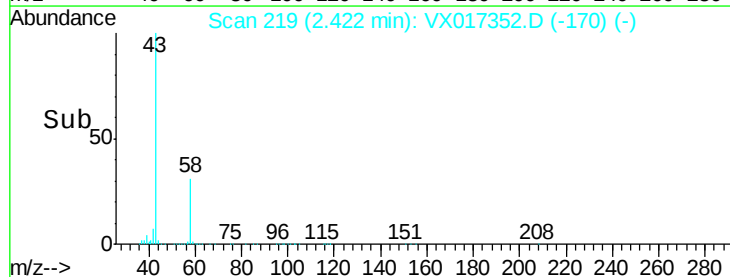
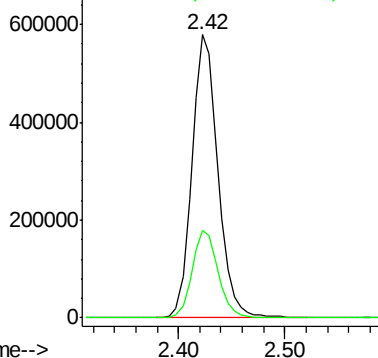
Ion Ratio Lower Upper

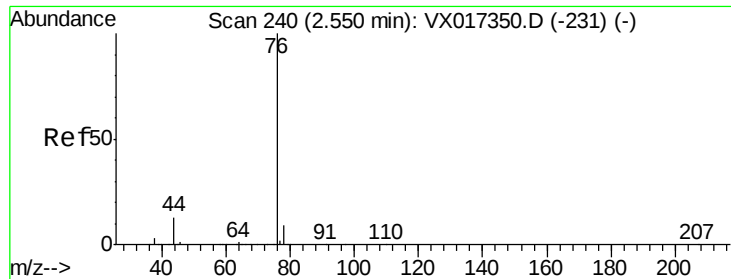
43 100

58 30.8 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





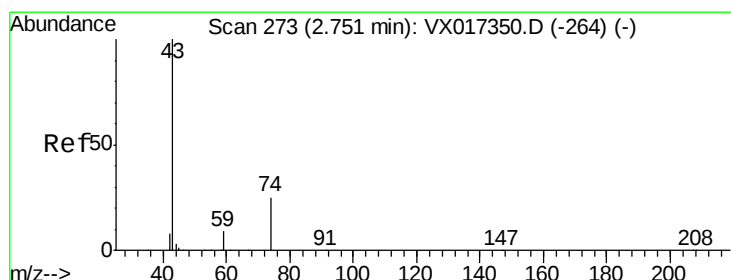
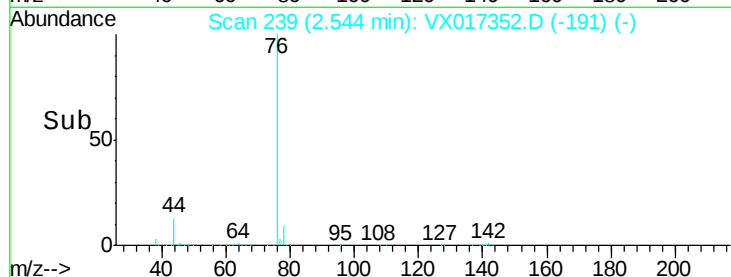
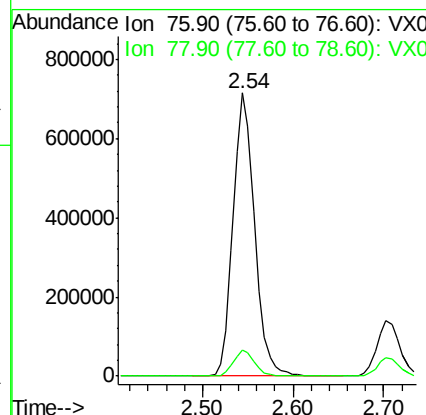
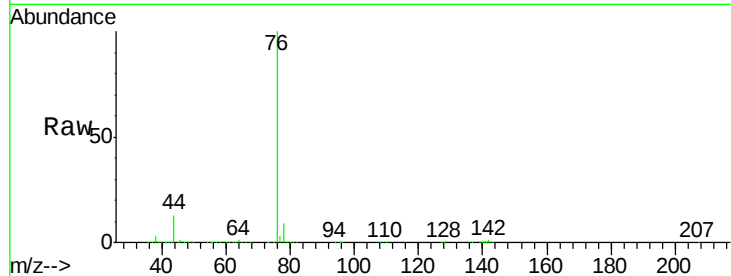
#17
Carbon Disulfide
Concen: 128.822 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.01 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1179744
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

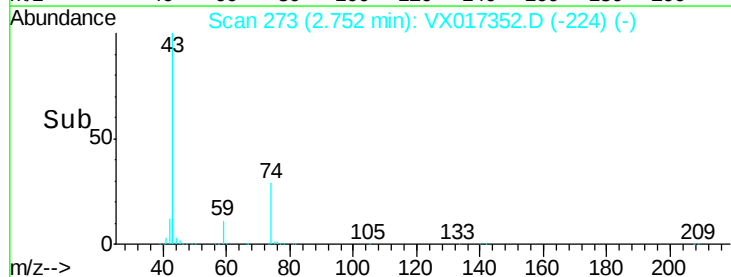
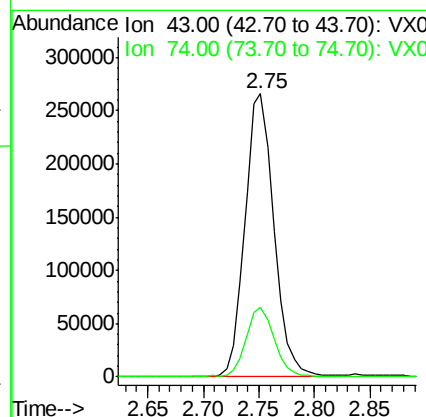
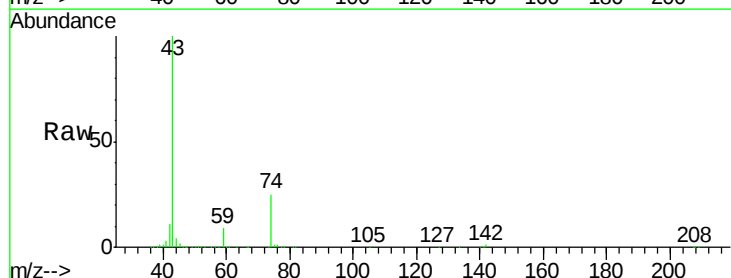
Manual Integrations
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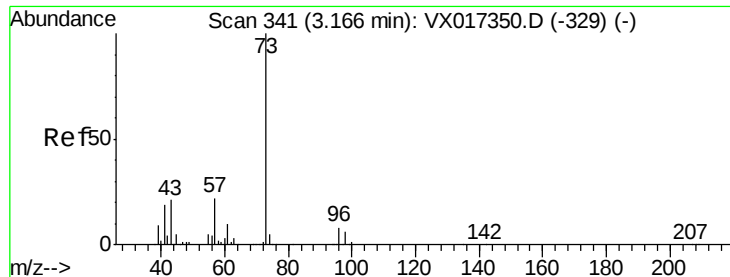
MMDadoda
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#18
Methyl Acetate
Concen: 132.694 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Tgt Ion: 43 Resp: 480487
Ion Ratio Lower Upper
43 100
74 24.5 19.4 29.2





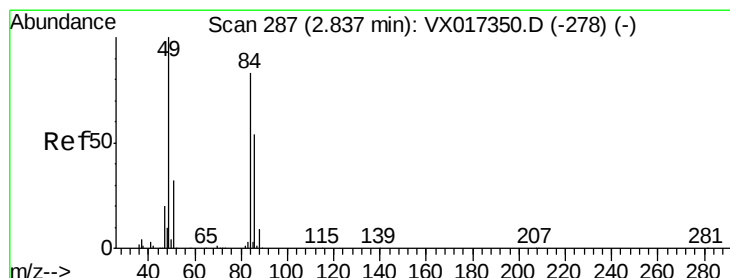
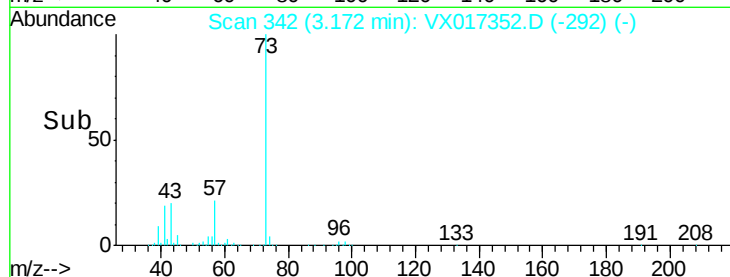
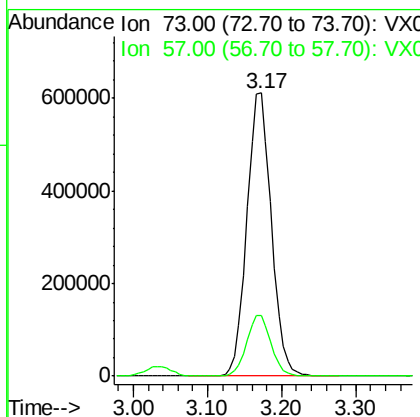
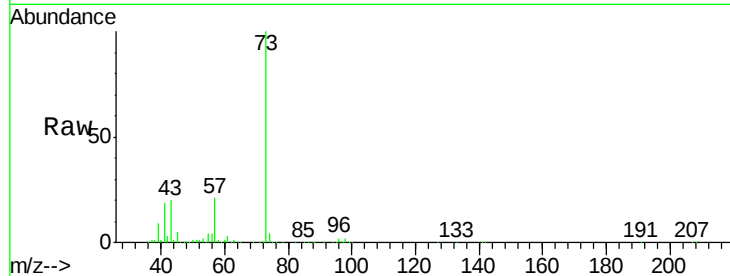
#19
Methvl tert-butvl Ether
Concen: 140.506 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1414408
Ion Ratio Lower Upper
73 100
57 21.3 17.5 26.3

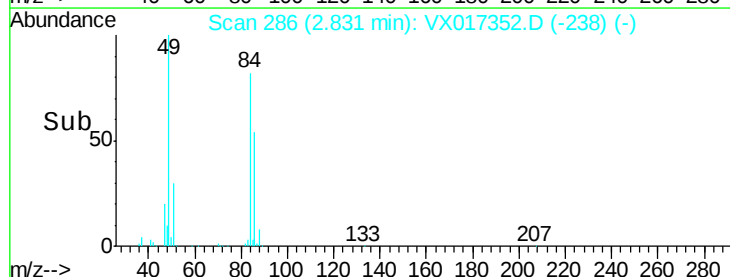
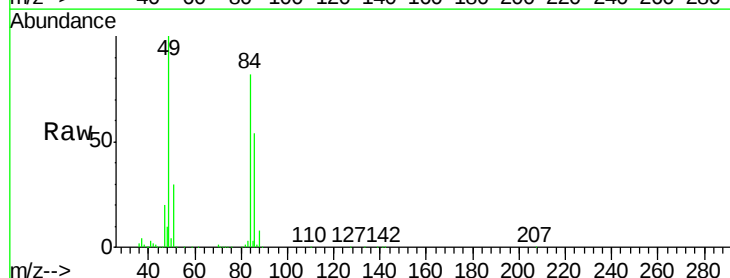
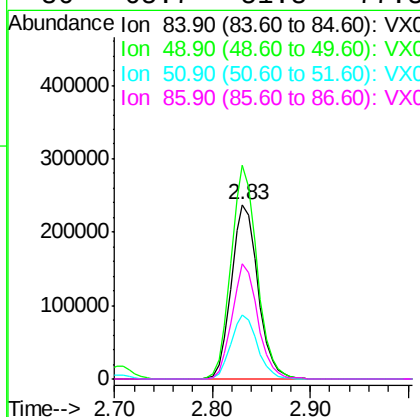
Manual Integrations
APPROVED

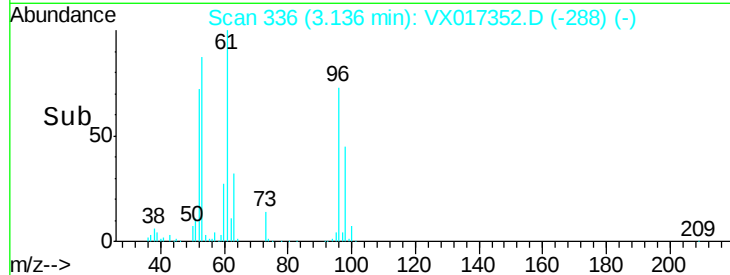
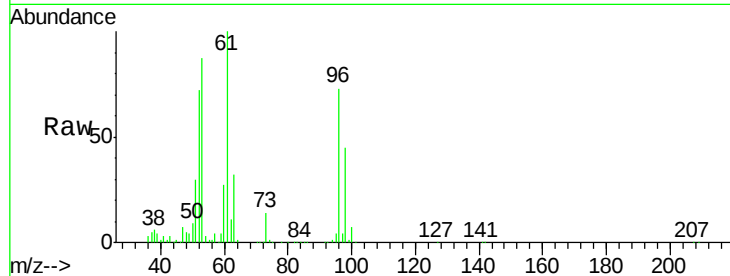
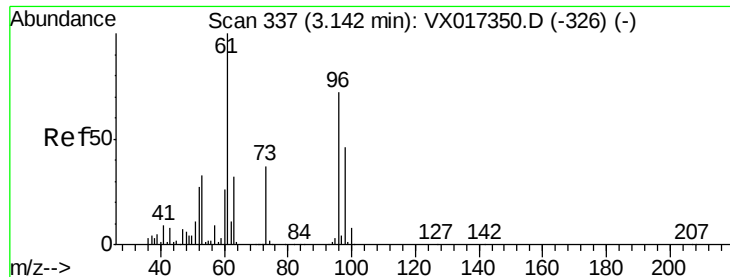
MMDadoda
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#20
Methylene Chloride
Concen: 126.618 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Tgt Ion: 84 Resp: 449768
Ion Ratio Lower Upper
84 100
49 122.4 95.8 143.8
51 36.7 31.0 46.4
86 65.7 51.8 77.8





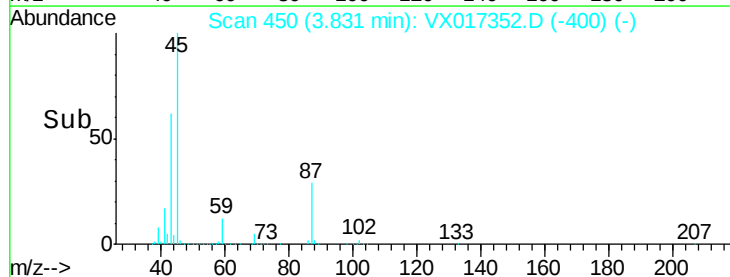
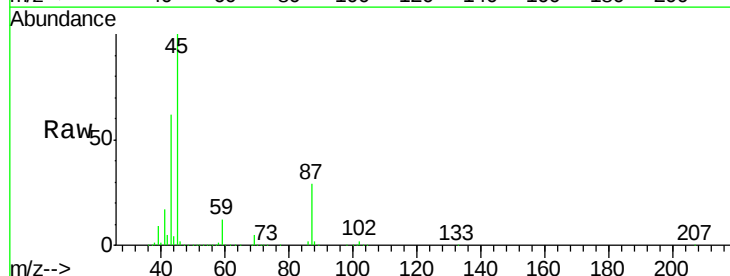
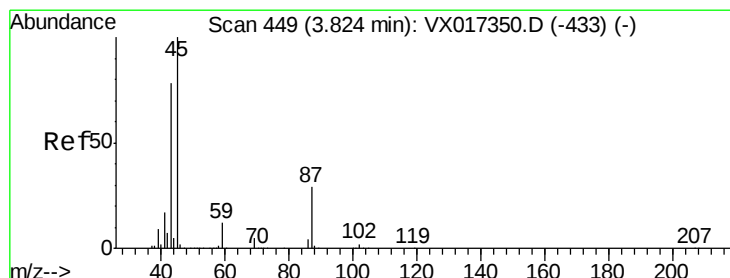
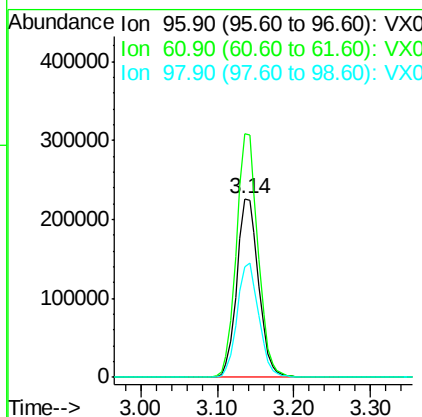
#21
trans-1,2-Dichloroethene
Concen: 133.893 ug/l
RT: 3.14 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	111.1	166.7
98	61.8	51.4	77.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

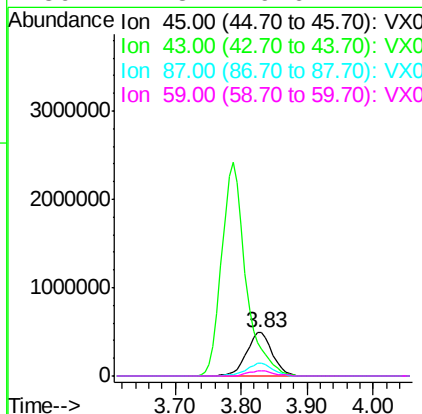
Manual Integrations
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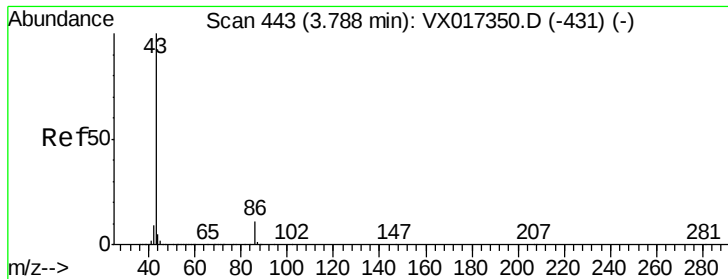
MMDadoda
7/14/2020 11:35:53 AM



#22
Diisopropyl ether
Concen: 131.996 ug/l
RT: 3.83 min Scan# 450
Delta R.T. 0.01 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.1	62.2	93.2#
87	29.2	23.0	34.6
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 699.564 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6123810

Ion Ratio Lower Upper

43 100

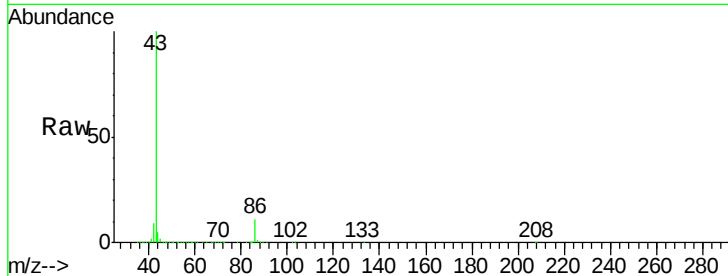
86 11.2 9.0 13.4

Manual Integrations

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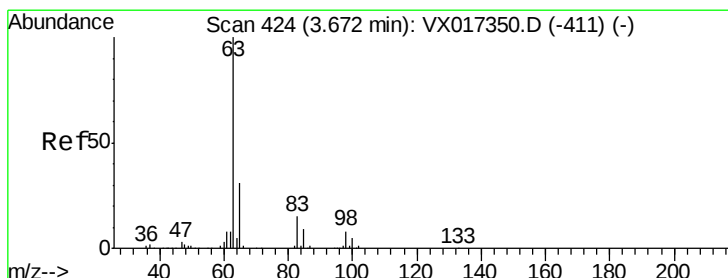
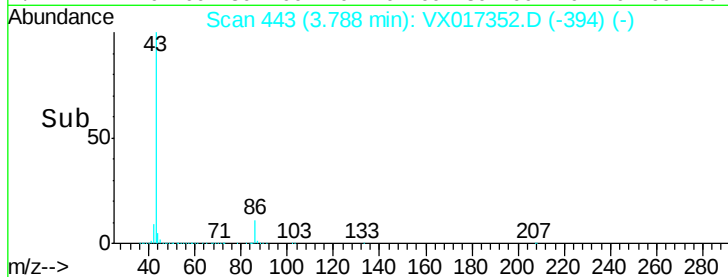
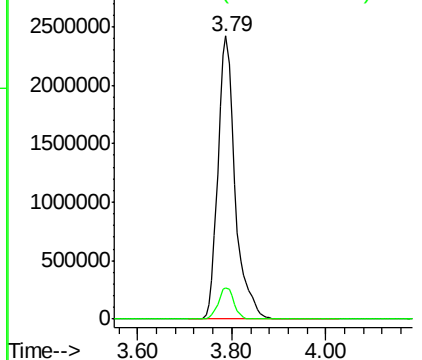
MMDadoda

7/14/2020 11:35:53 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 132.973 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

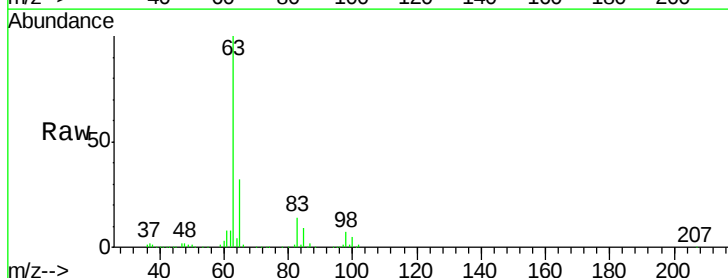
Tgt Ion: 63 Resp: 771155

Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.5

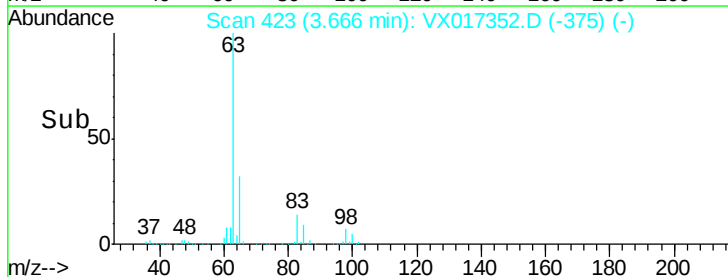
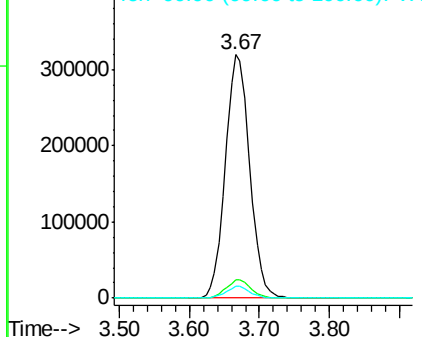
100 4.9 2.5 7.5

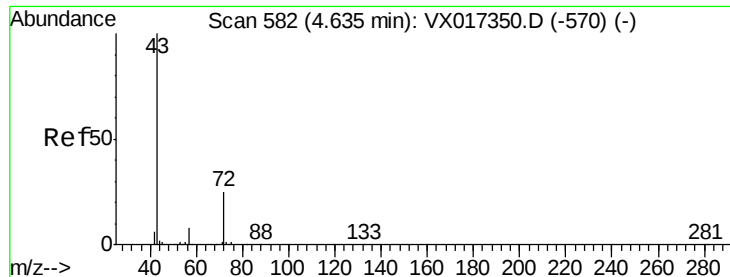


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 703.167 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1627759

Ion Ratio Lower Upper

43 100

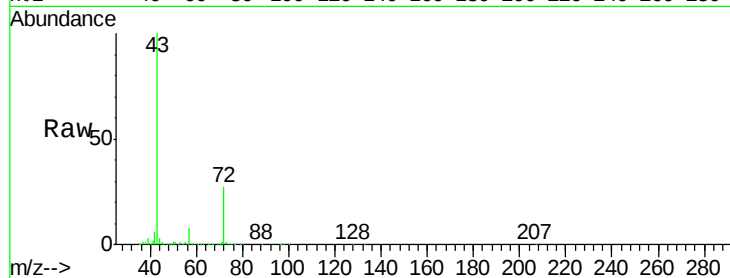
72 26.7 20.4 30.6

Manual Integrations

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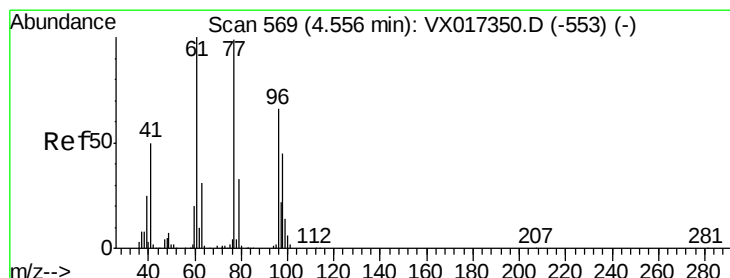
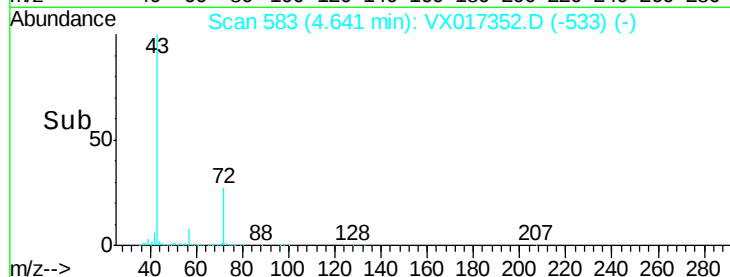
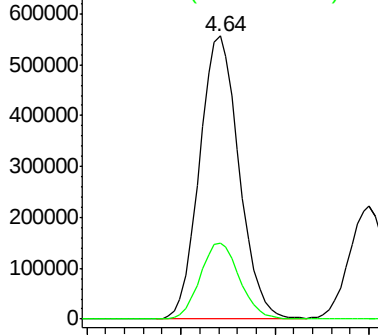
MMDadoda

7/14/2020 11:35:53 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 135.258 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX017352.D

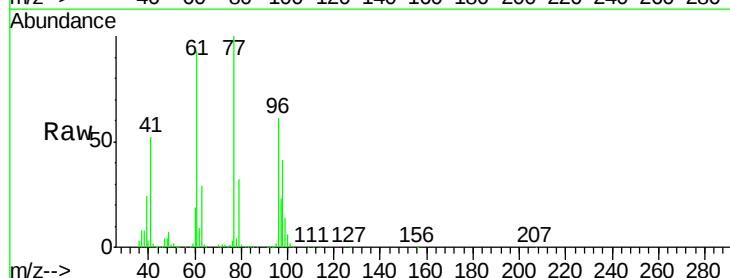
Acq: 13 Jul 2020 12:09

Tgt Ion: 77 Resp: 704285

Ion Ratio Lower Upper

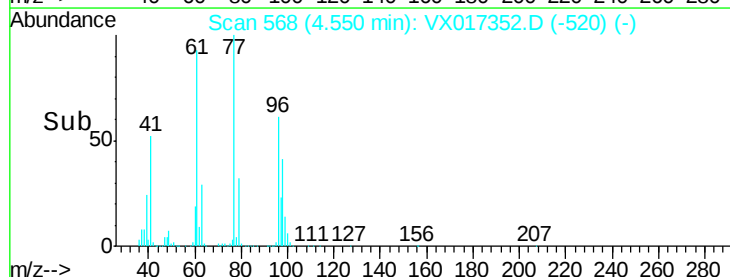
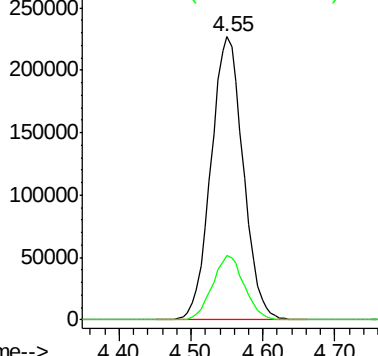
77 100

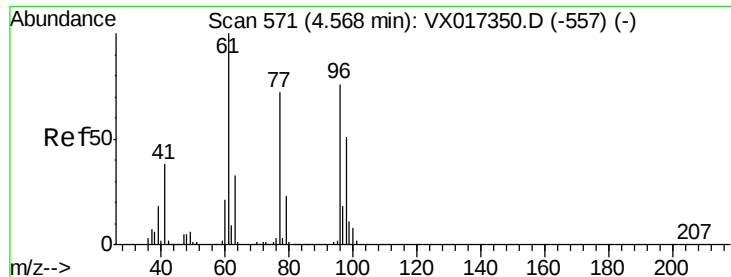
97 22.4 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

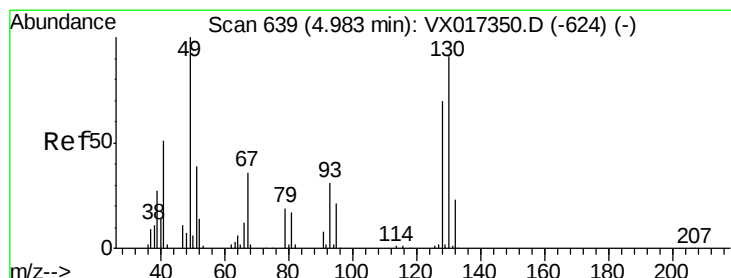
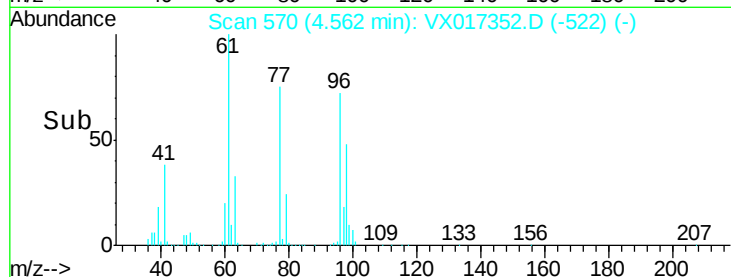
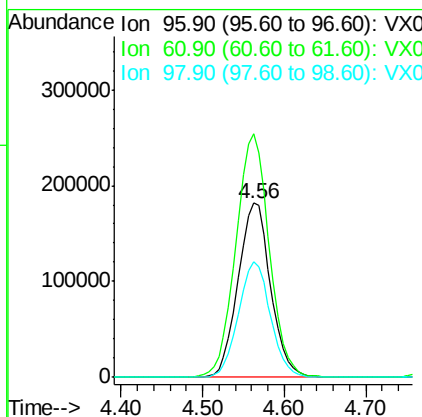
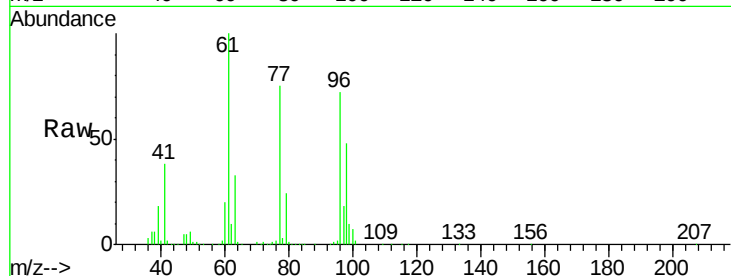
cis-1,2-Dichloroethene
Concen: 134.003 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.2	0.0	281.2	
98	65.6	0.0	131.4	

Manual Integrations
APPROVED

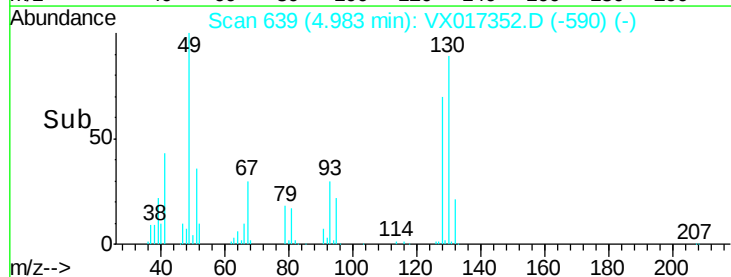
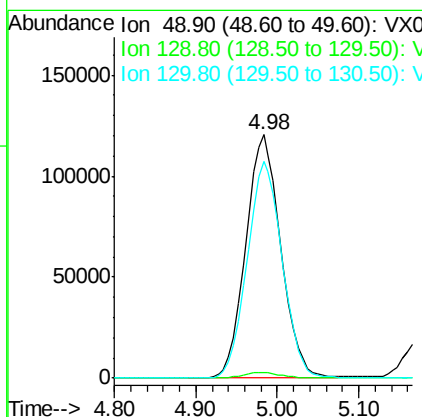
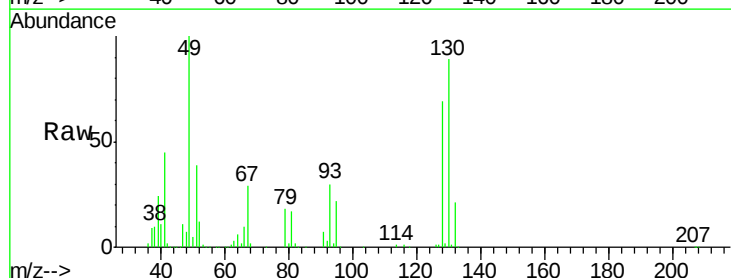
MMDadoda
7/14/2020 11:35:53 AM

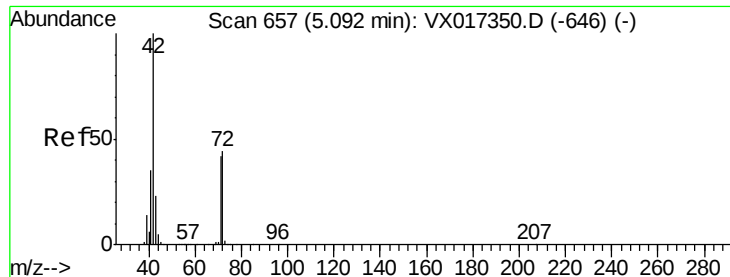


#28

Bromochloromethane
Concen: 128.142 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	4.8	
130	89.0	71.1	106.7	





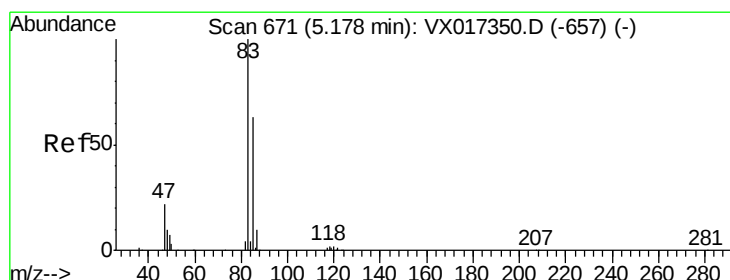
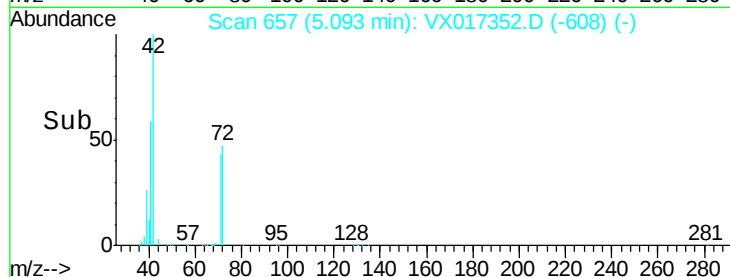
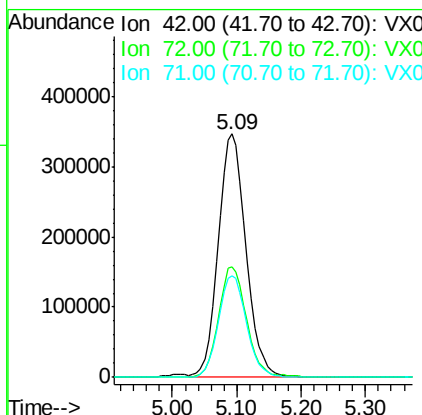
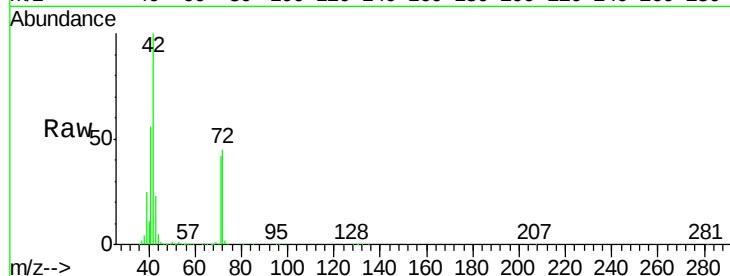
#29
Tetrahydrofuran
Concen: 688.691 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	37.2	55.8
71	42.3	34.4	51.6

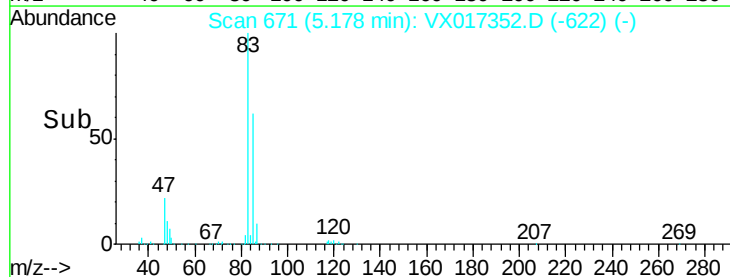
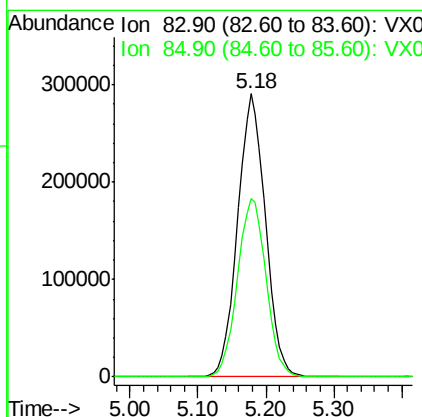
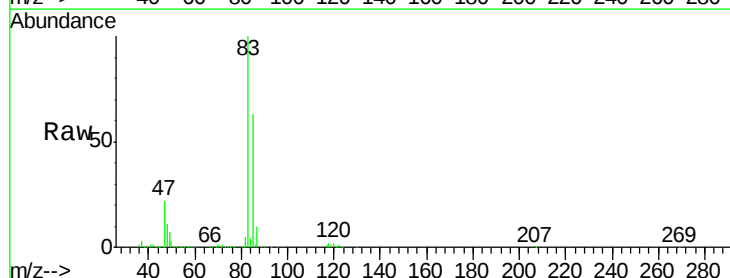
Manual Integrations
APPROVED

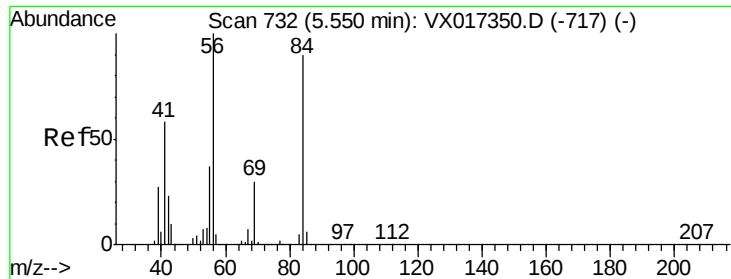
MMDadoda
7/14/2020 11:35:53 AM



#30
Chloroform
Concen: 137.642 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.2	75.4





#31

Cyclohexane

Concen: 136.619 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

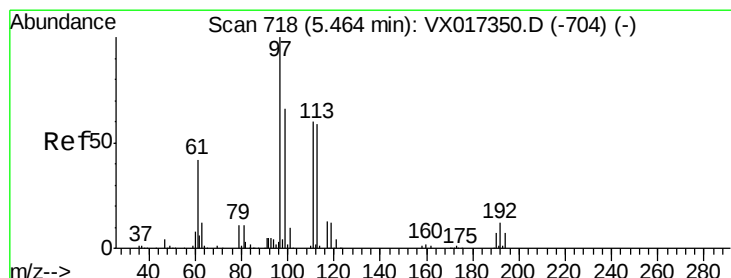
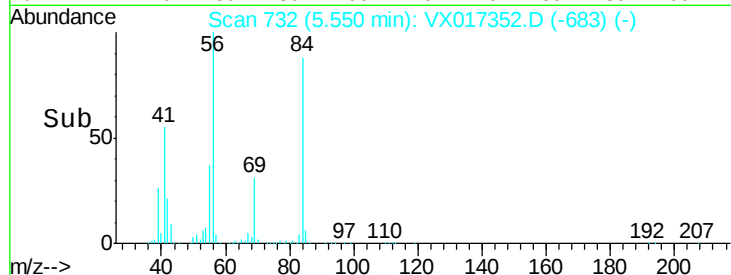
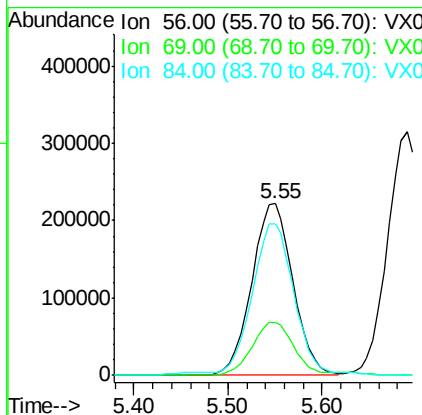
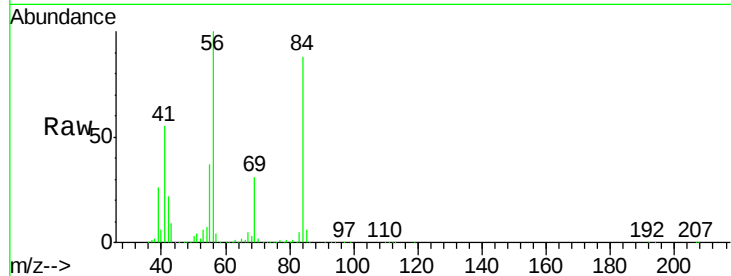
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	677870
Ion	Ratio	Lower	Upper
56	100		
69	31.0	23.7	35.5
84	86.8	71.8	107.6

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 140.490 ug/l

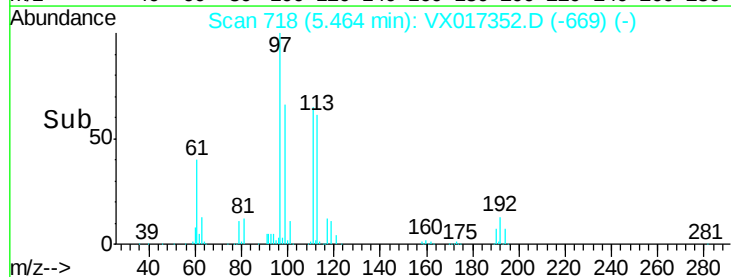
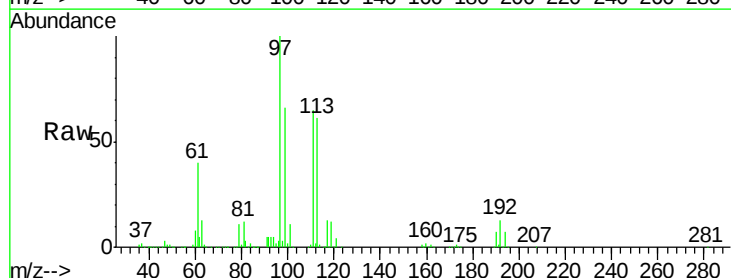
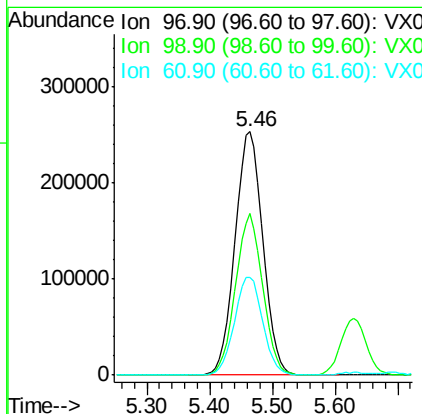
RT: 5.46 min Scan# 718

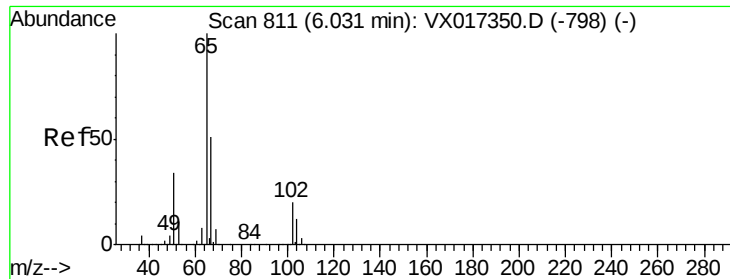
Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Tgt Ion:	97	Resp:	779184
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.2	76.8
61	40.8	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 147.779 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 561951

Ion Ratio Lower Upper

65 100

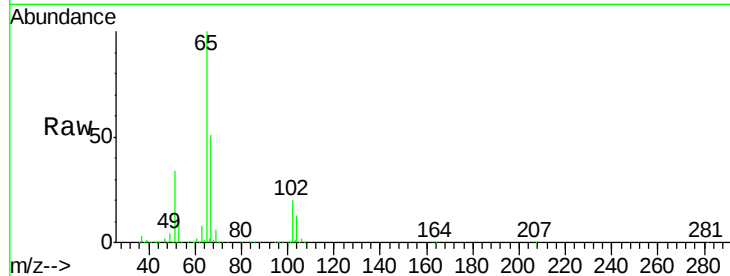
67 51.2 0.0 101.6

Manual Integrations

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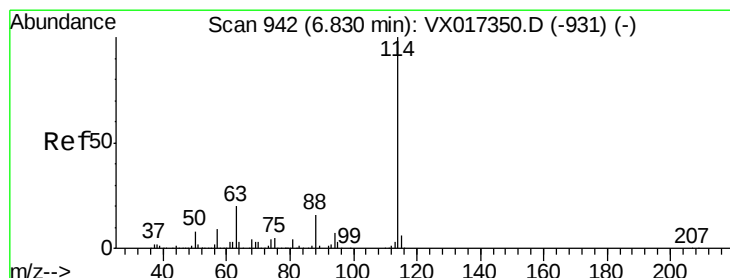
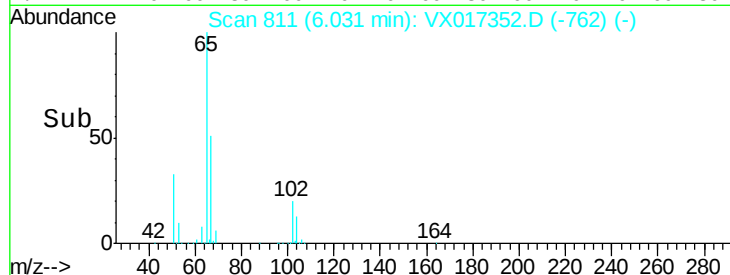
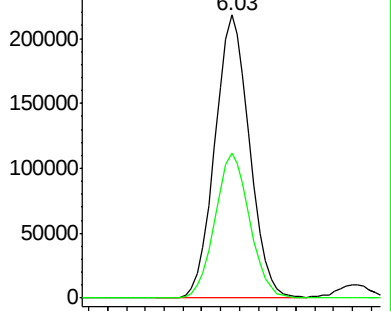
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

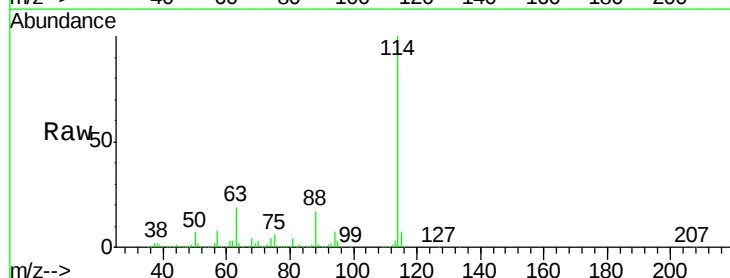
Tgt Ion: 114 Resp: 462615

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

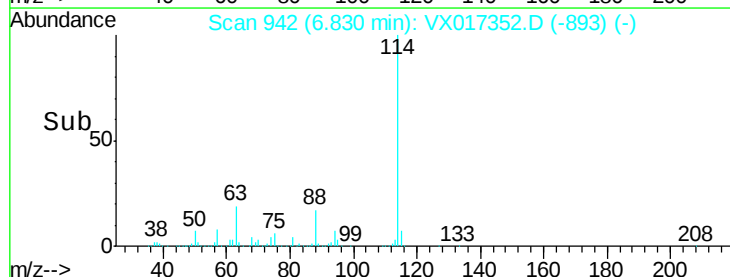
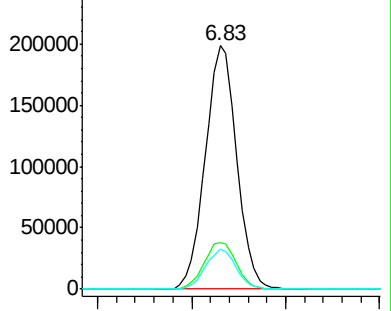
88 16.7 0.0 32.8

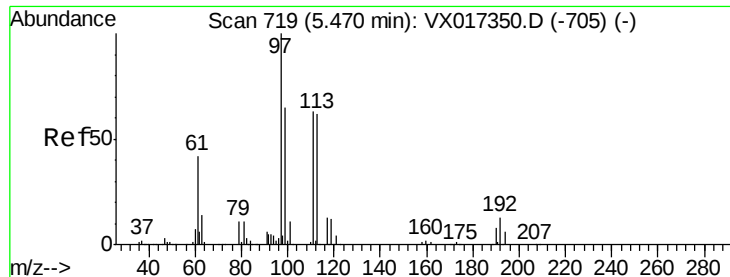


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





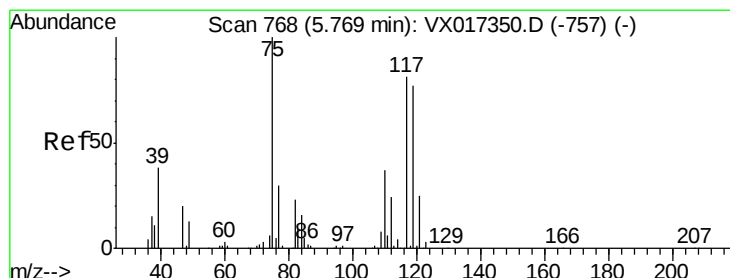
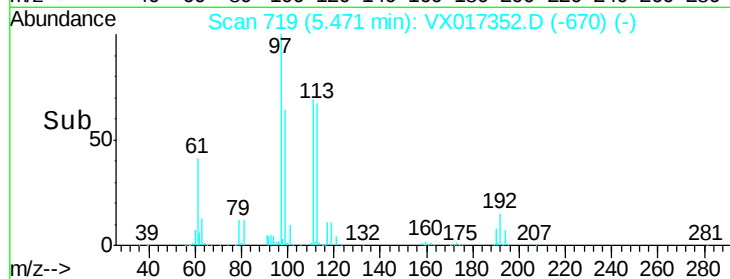
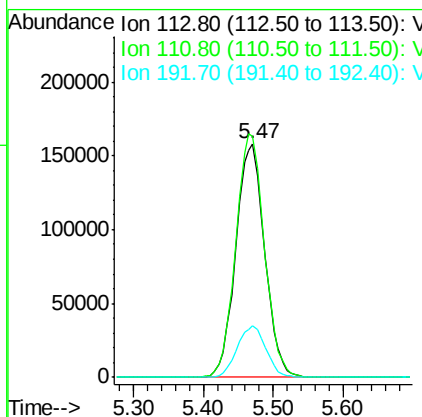
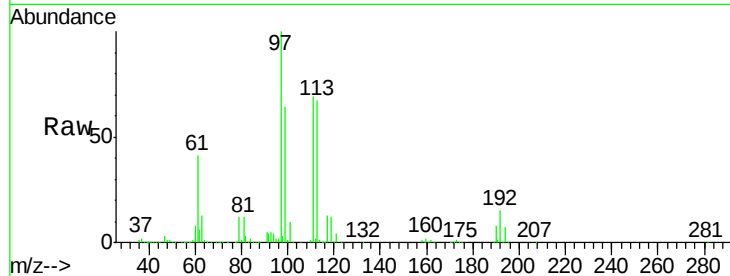
#35
 Dibromofluoromethane
 Concen: 152.089 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX017352.D
 Acq: 13 Jul 2020 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	451986		
111	103.5	82.4	123.6	
192	22.1	17.2	25.8	

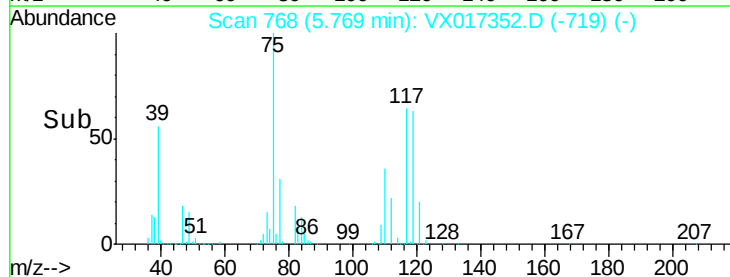
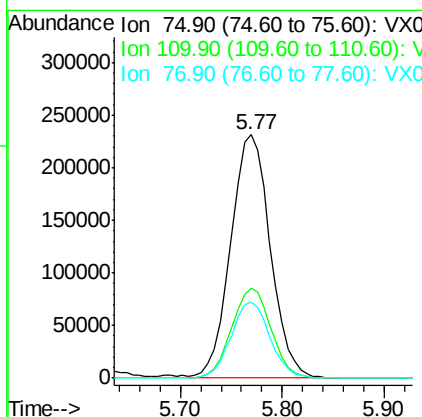
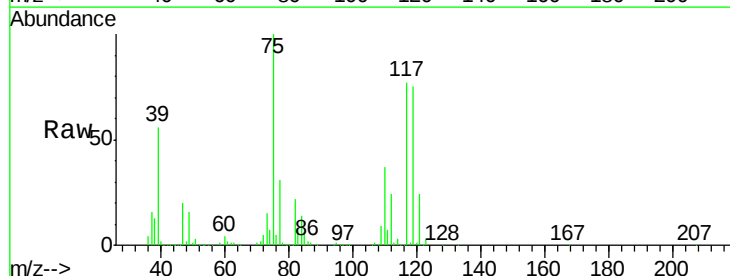
Manual Integrations
 APPROVED

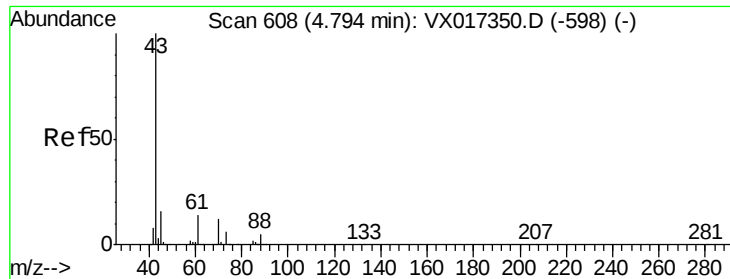
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#36
 1,1-Dichloropropene
 Concen: 141.662 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX017352.D
 Acq: 13 Jul 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	619627		
110	36.9	18.6	55.8	
77	31.1	24.9	37.3	





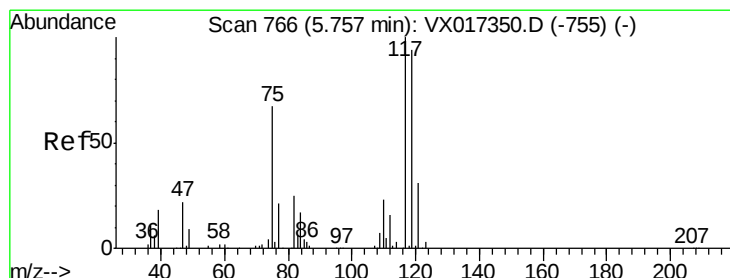
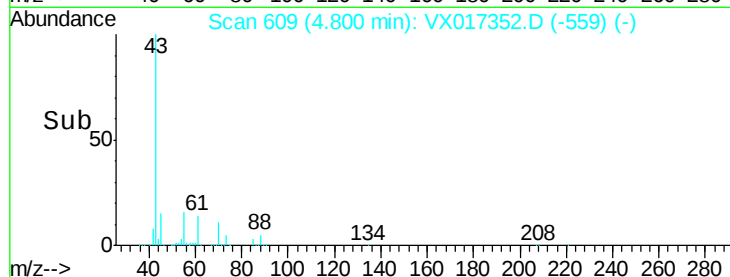
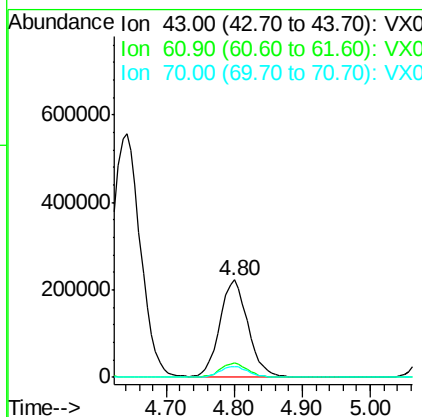
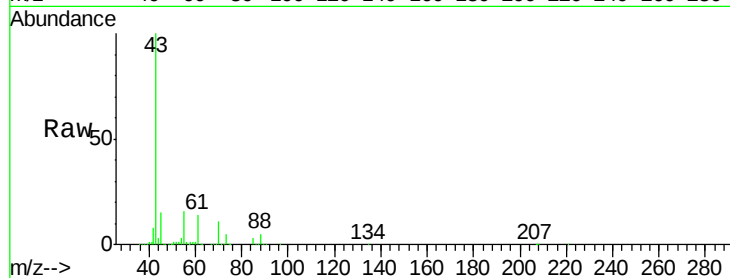
#37
Ethyl Acetate
Concen: 144.633 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion:	43	Resp:	638218
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	11.4	9.0	13.6

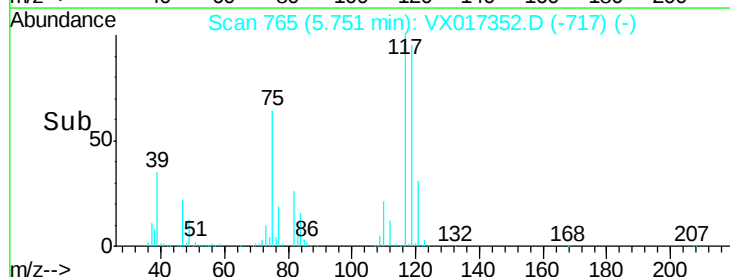
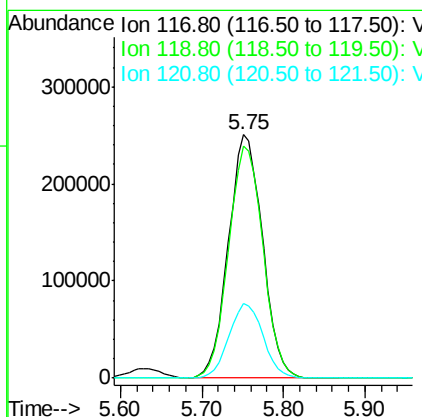
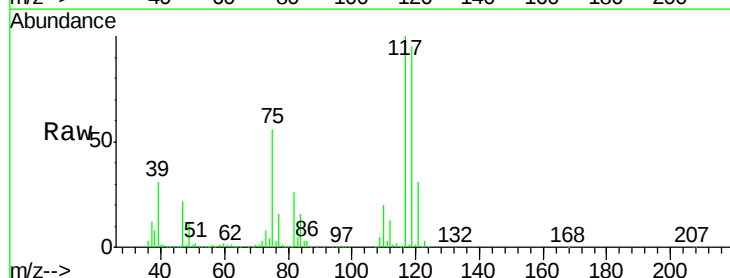
Manual Integrations
APPROVED

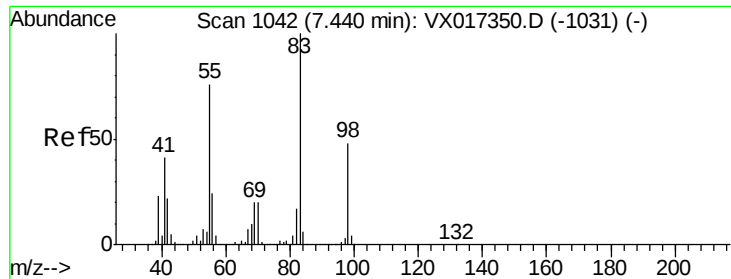
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#38
Carbon Tetrachloride
Concen: 148.812 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Tgt Ion:	117	Resp:	724265
Ion	Ratio	Lower	Upper
117	100		
119	95.3	74.7	112.1
121	30.7	24.5	36.7





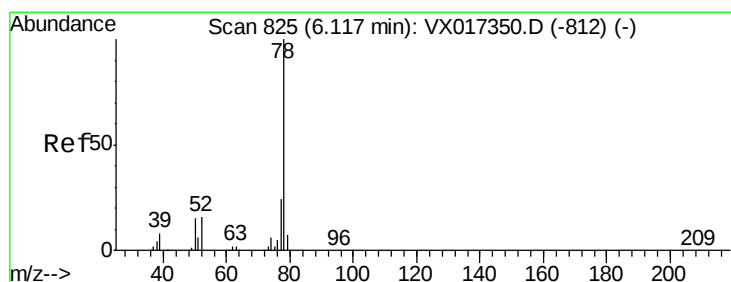
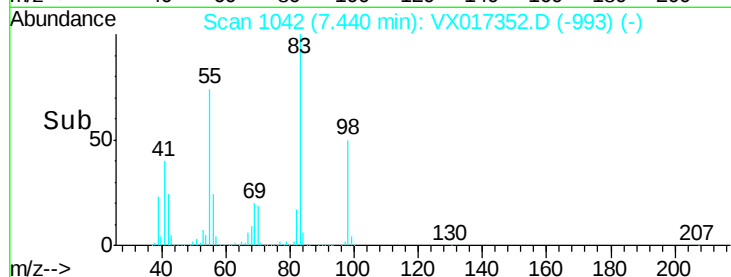
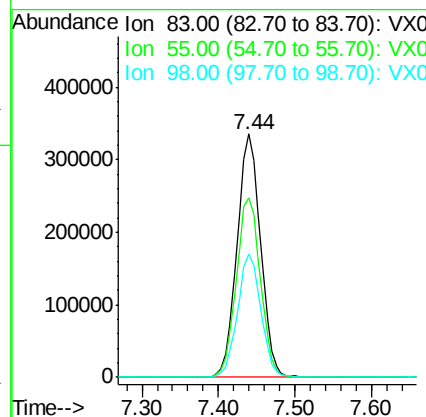
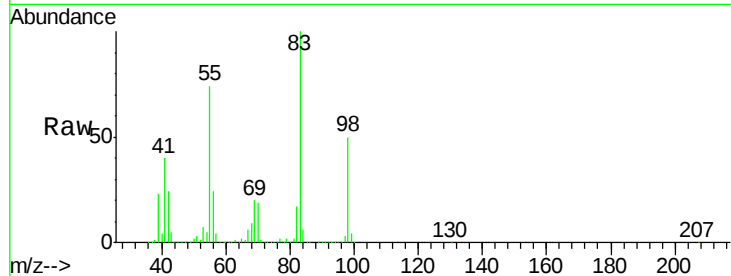
#39
Methvlcvclohexane
Concen: 147.112 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.7	61.2	91.8
98	50.4	38.1	57.1

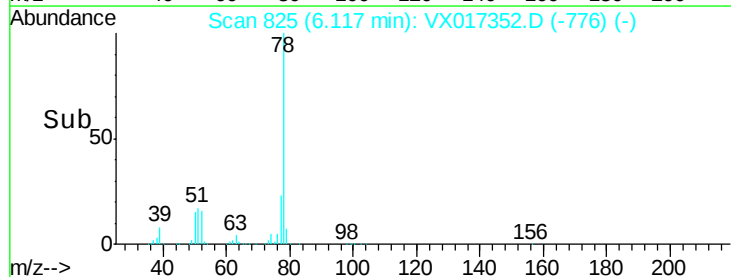
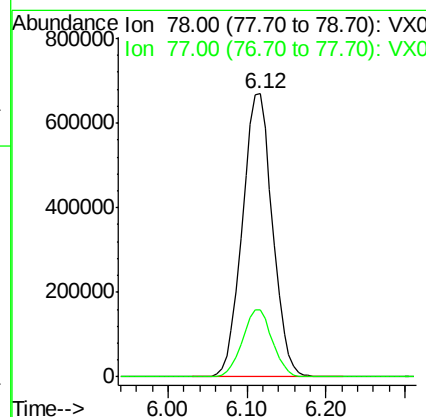
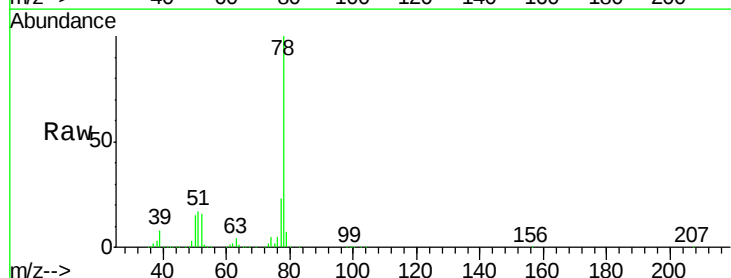
Manual Integrations
APPROVED

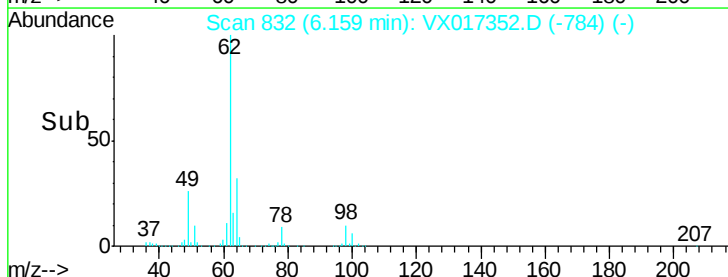
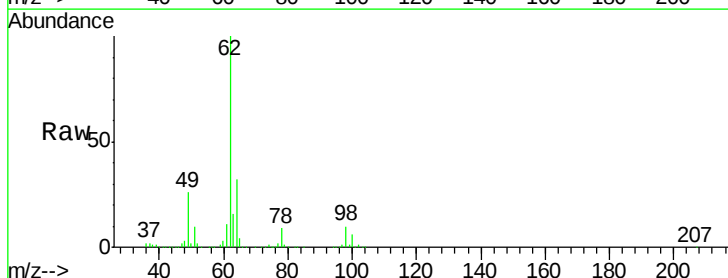
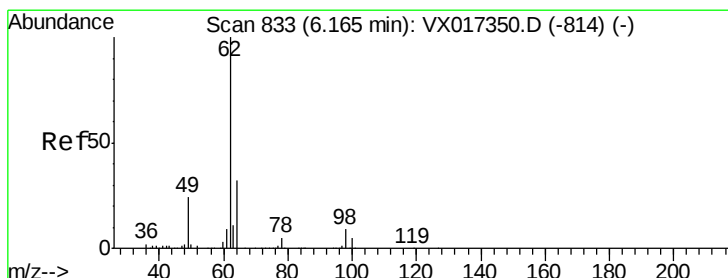
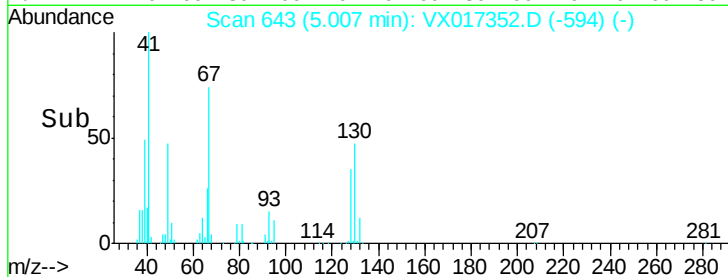
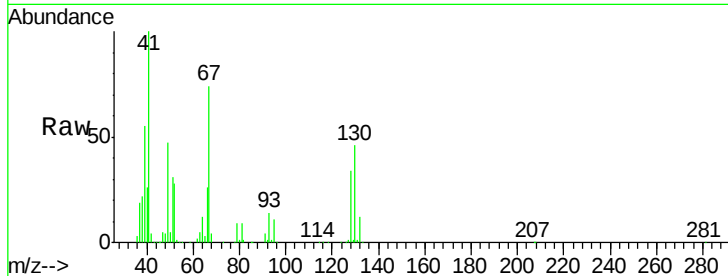
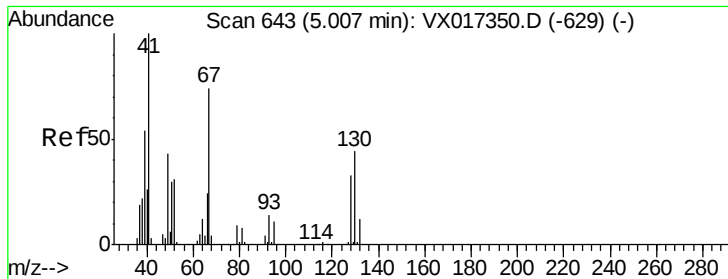
MMDadoda
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#40
Benzene
Concen: 138.832 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

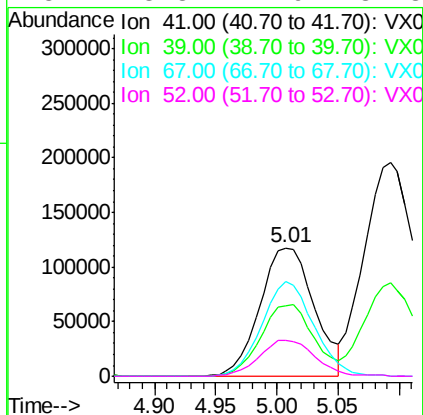
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





#41
Methacrylonitrile
Concen: 146.091 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		362894		
39	54.7	43.8	65.8		
67	71.0	58.7	88.1		
52	28.8	24.9	37.3		



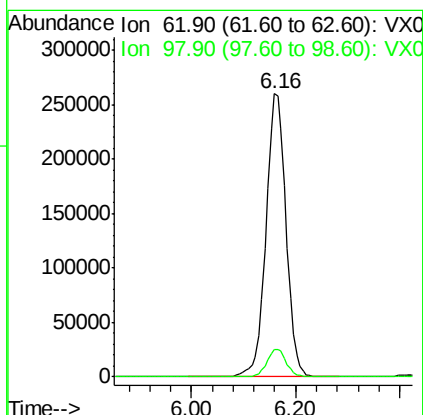
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

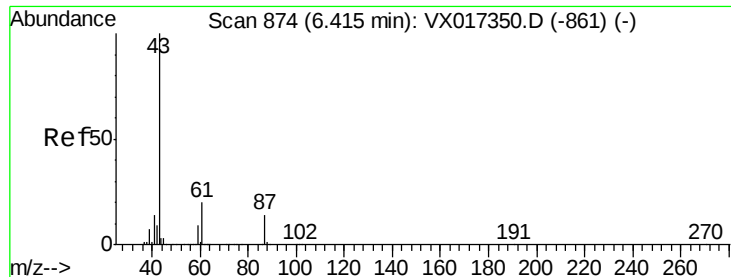
Manual Integrations
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7/14/2020 11:35:53 AM

#42
1,2-Dichloroethane
Concen: 146.945 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		687367		
98	9.4	0.0	19.4		





#43

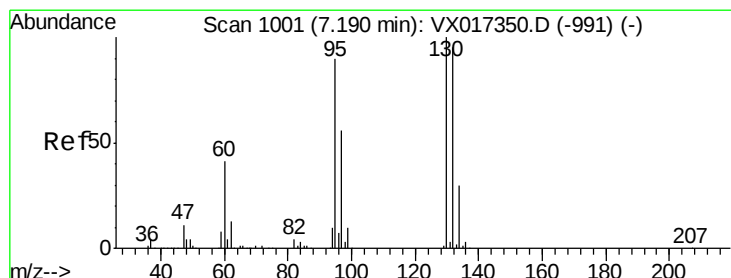
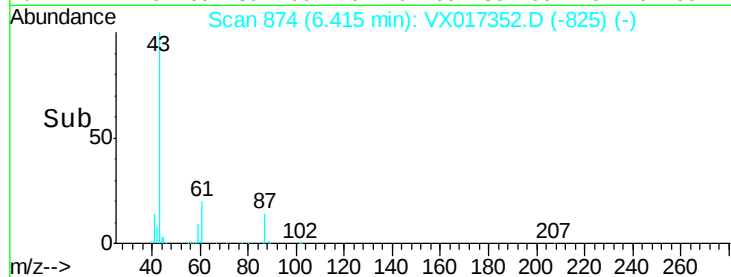
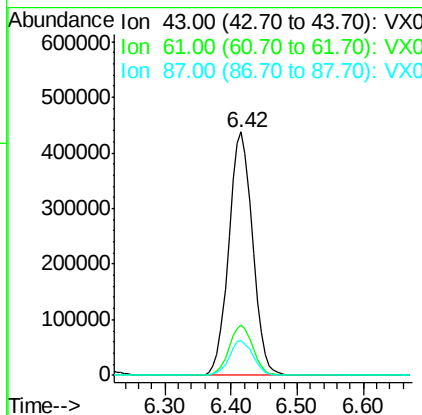
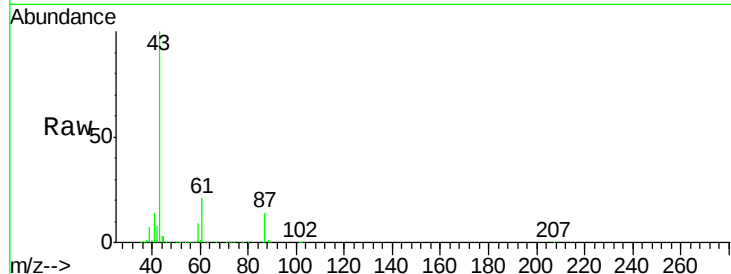
Isopropyl Acetate
 Concen: 147.840 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX017352.D
 Acq: 13 Jul 2020 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.4	24.6
87	14.3	11.2	16.8

Manual Integrations
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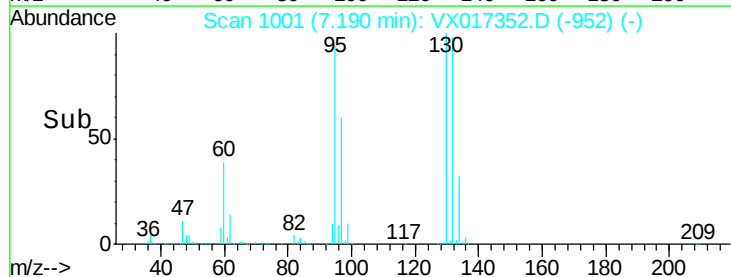
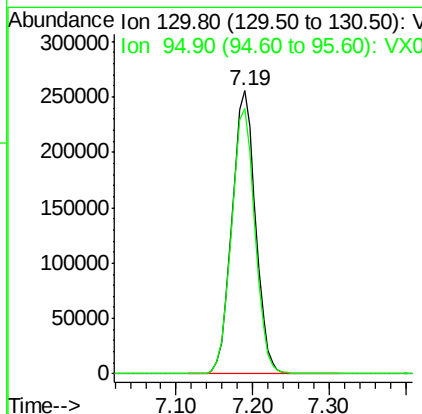
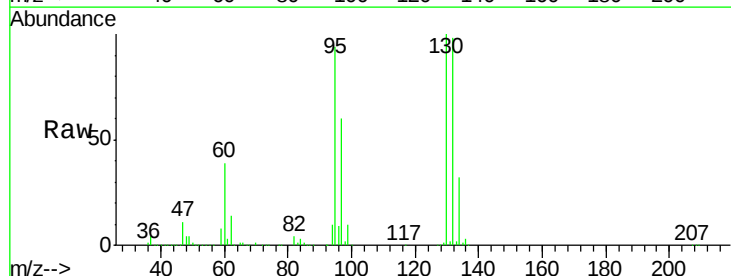
MMDadoda
 7/14/2020 11:35:53 AM

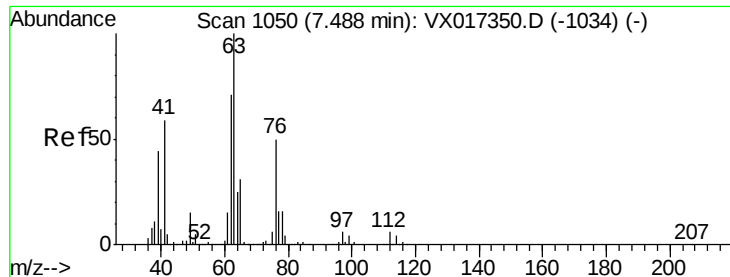


#44

Trichloroethene
 Concen: 139.855 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX017352.D
 Acq: 13 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	180.2





#45

1,2-Dichloropropane

Concen: 141.961 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 466846

Ion Ratio Lower Upper

63 100

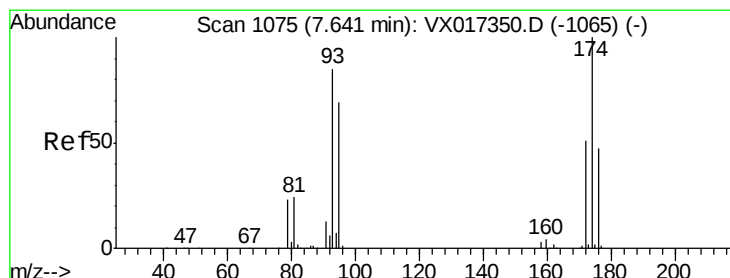
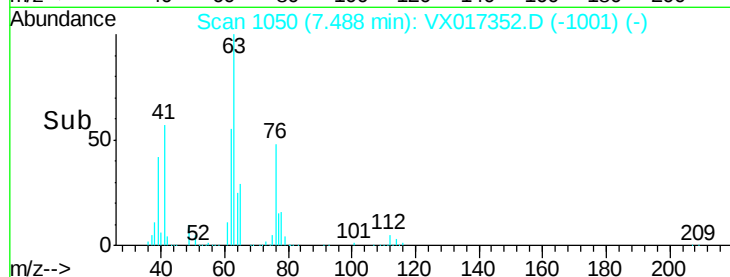
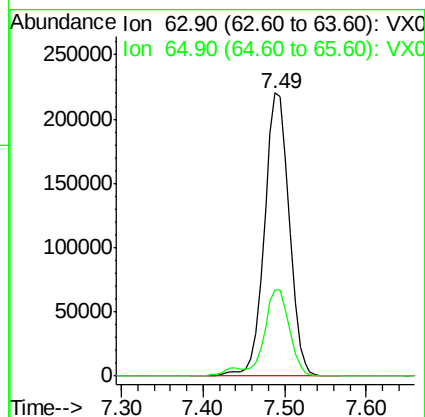
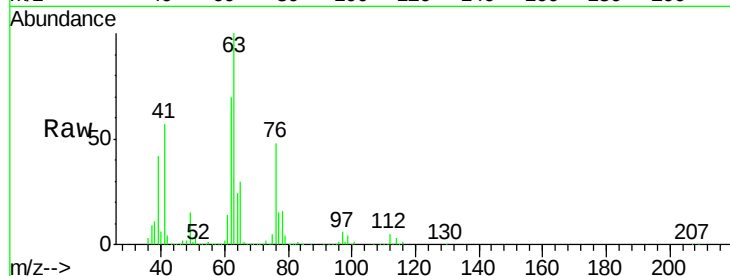
65 30.5 24.5 36.7

Manual Integrations

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MMDadoda

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#46

Dibromomethane

Concen: 147.643 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

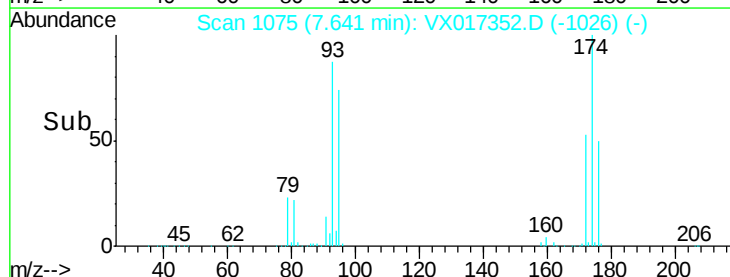
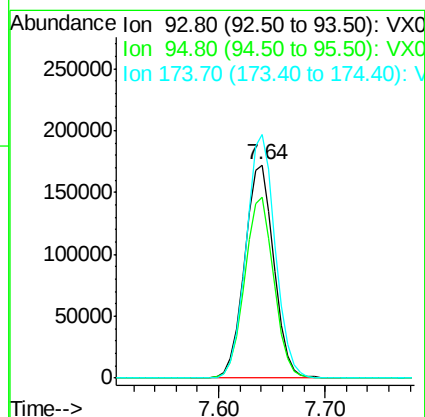
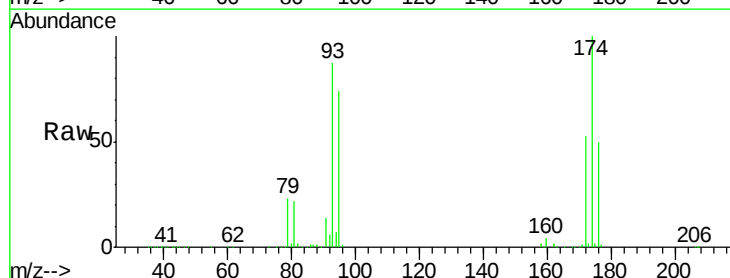
Tgt Ion: 93 Resp: 333694

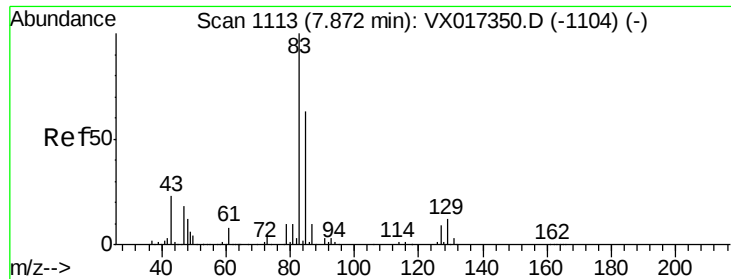
Ion Ratio Lower Upper

93 100

95 84.3 65.4 98.2

174 113.4 91.2 136.8





#47

Bromodichloromethane

Concen: 151.914 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

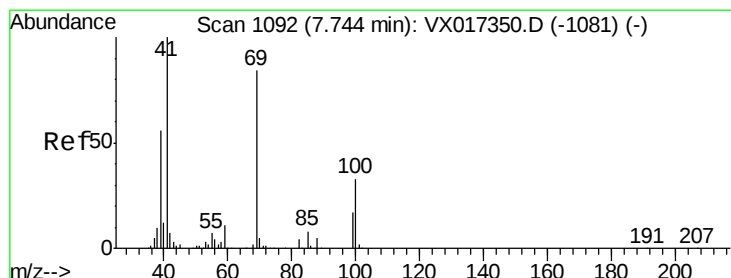
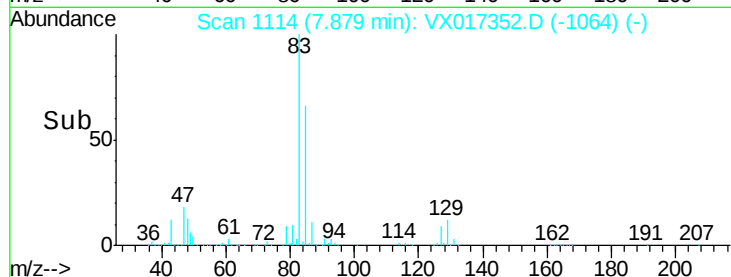
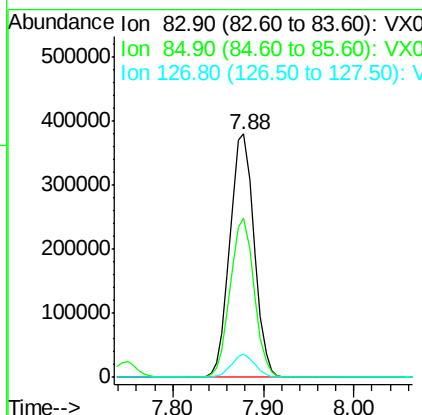
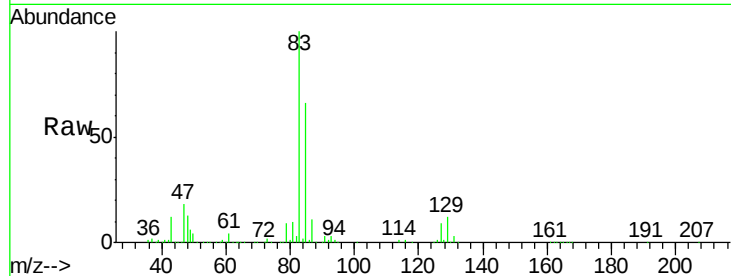
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	709208
Ion Ratio	Lower	Upper	
83	100		
85	65.6	50.2	75.4
127	9.4	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 159.545 ug/l

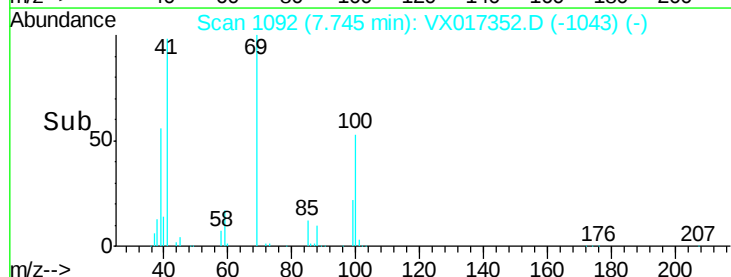
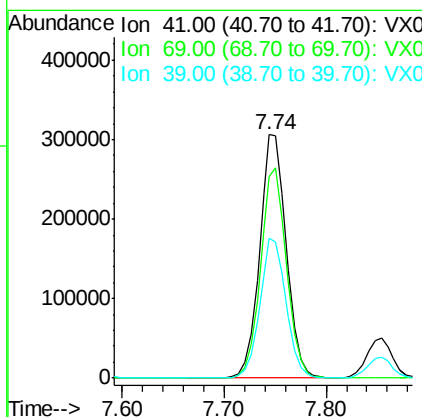
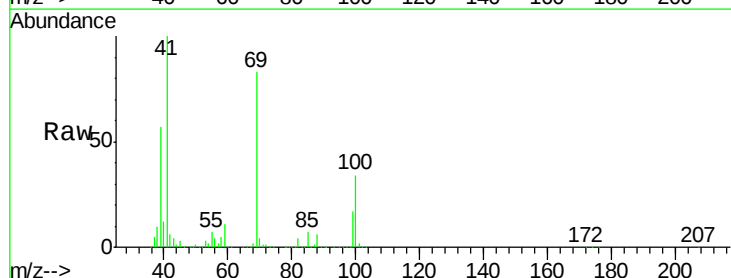
RT: 7.74 min Scan# 1092

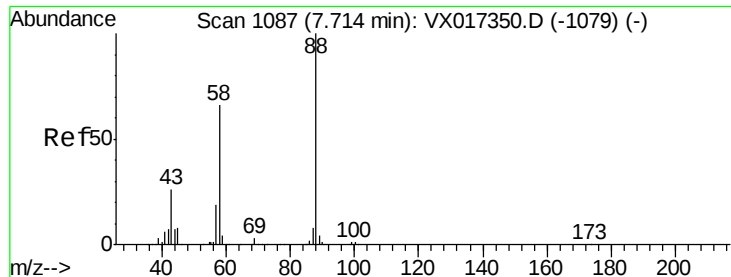
Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Tgt Ion:	41	Resp:	556048
Ion Ratio	Lower	Upper	
41	100		
69	84.1	67.8	101.6
39	56.2	45.1	67.7





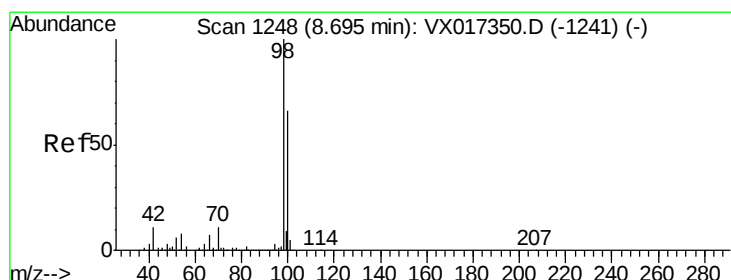
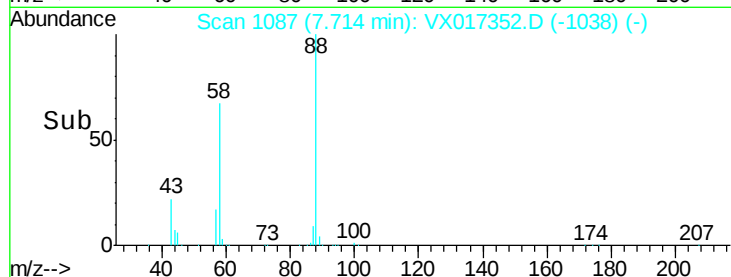
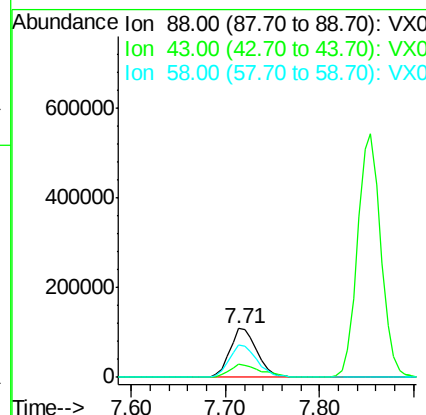
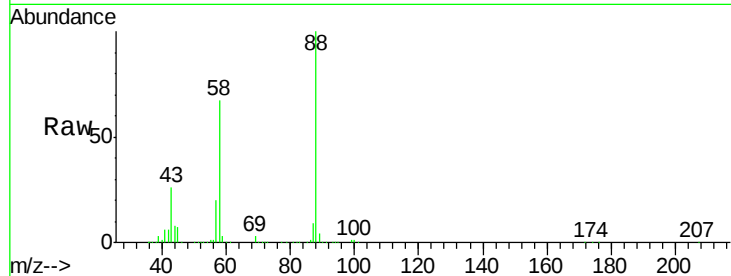
#49
1,4-Dioxane
Concen: 2781.360 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	25.6	38.4
58	68.5	53.9	80.9

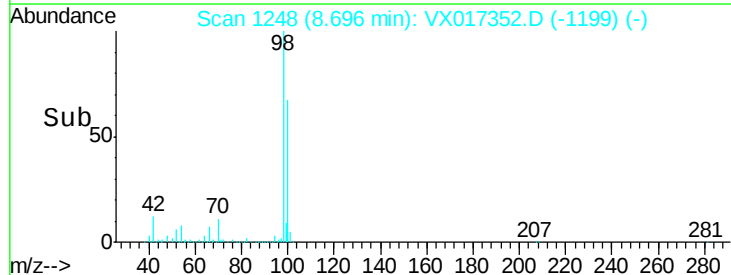
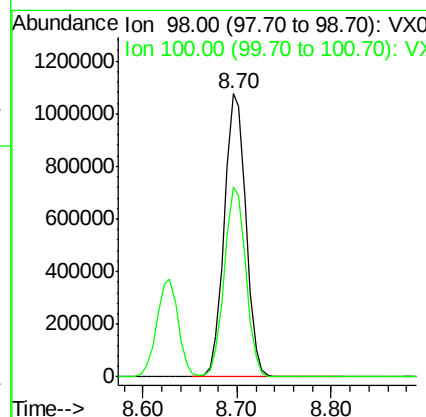
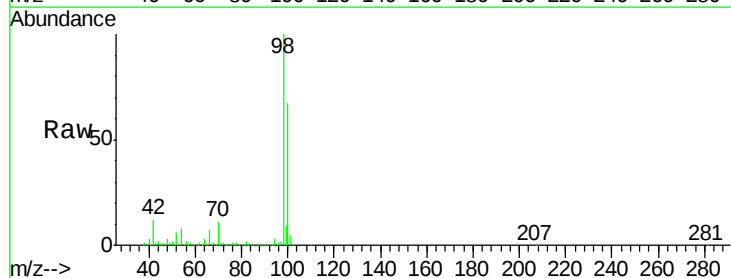
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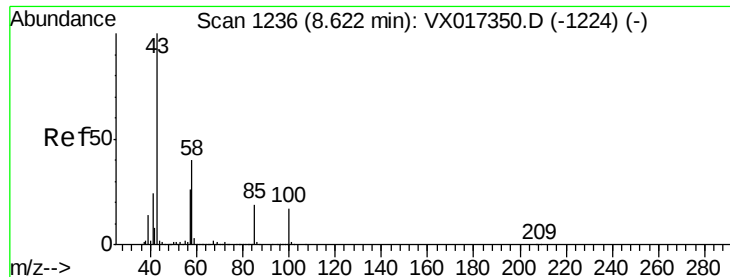
MMDadoda
7/14/2020 11:35:53 AM



#50
Toluene-d8
Concen: 154.903 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 765.291 ug/l

RT: 8.63 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 3357832

Ion Ratio Lower Upper

43 100

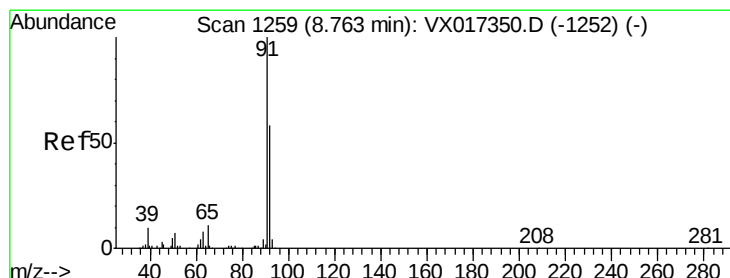
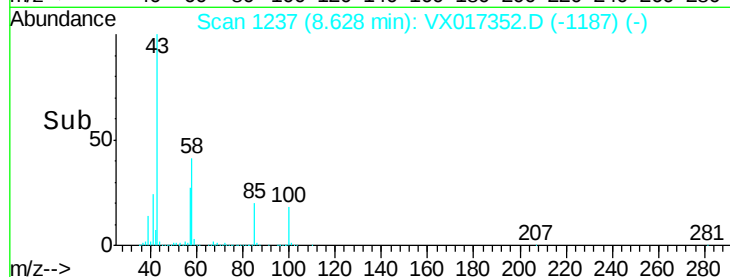
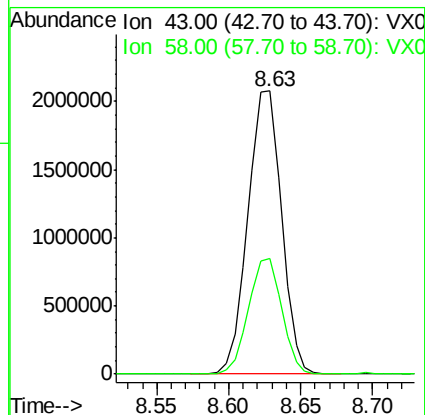
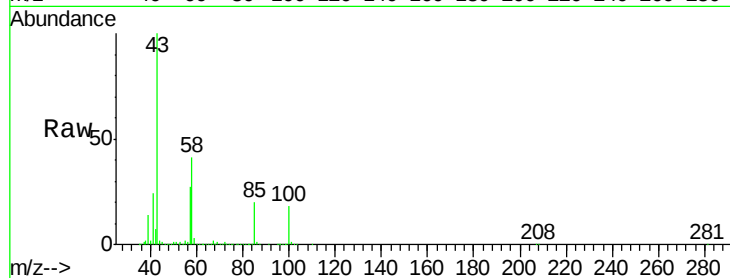
58 40.4 32.2 48.2

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#52

Toluene

Concen: 148.958 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017352.D

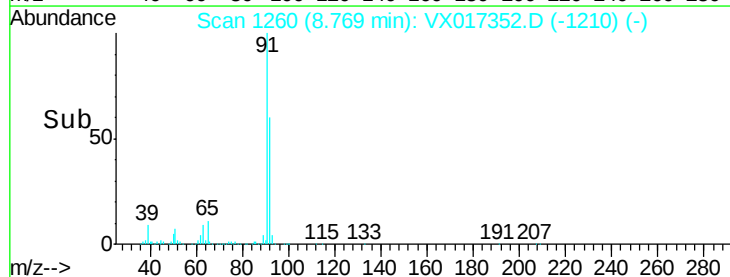
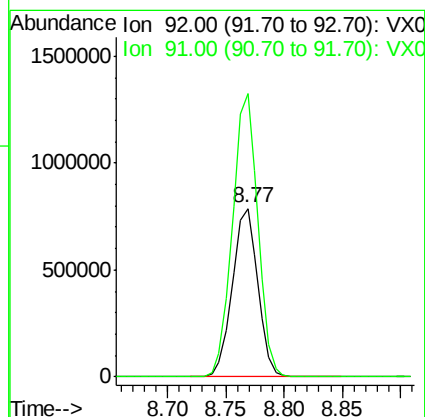
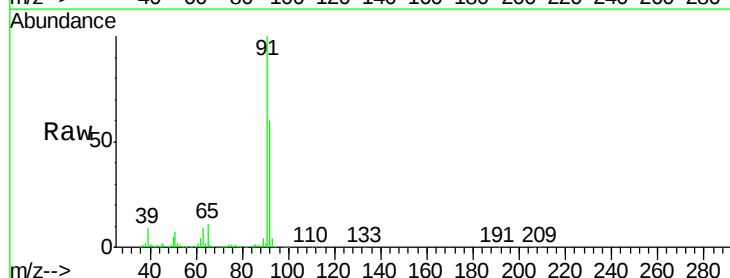
Acq: 13 Jul 2020 12:09

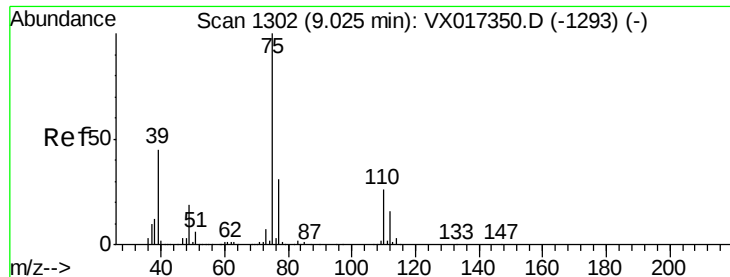
Tgt Ion: 92 Resp: 1197148

Ion Ratio Lower Upper

92 100

91 167.9 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 159.686 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Tot Ion: 75 Resp: 821828

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.6

Instrument :

MSVOA_X

ClientSampleId :

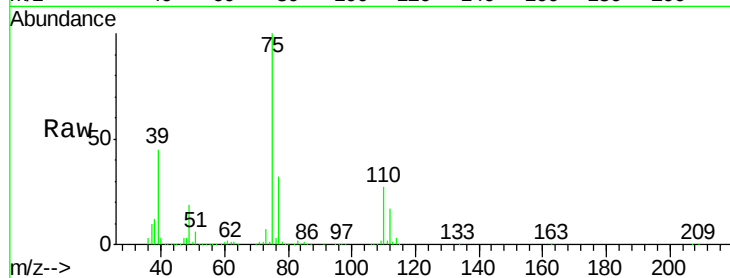
VSTDIC150

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

600000

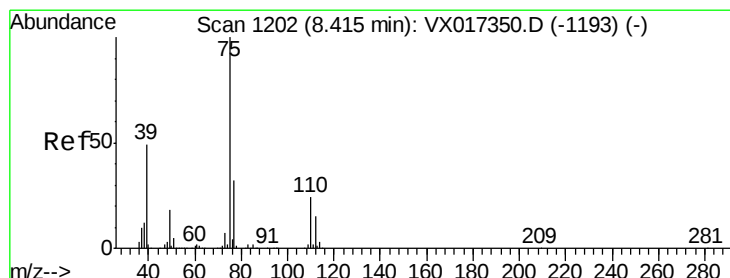
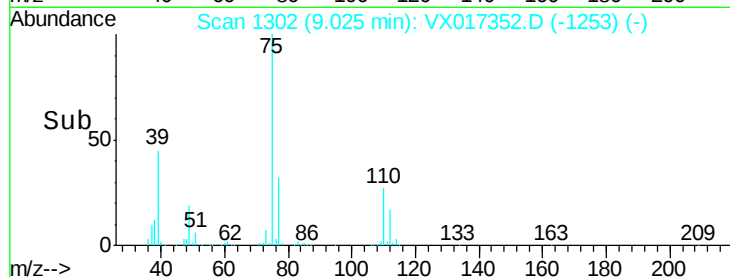
400000

200000

0

9.00 9.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 150.753 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

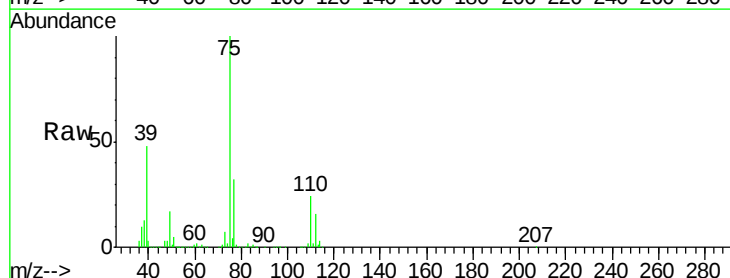
Tgt Ion: 75 Resp: 830046

Ion Ratio Lower Upper

75 100

77 31.9 25.3 37.9

39 48.4 38.9 58.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

600000

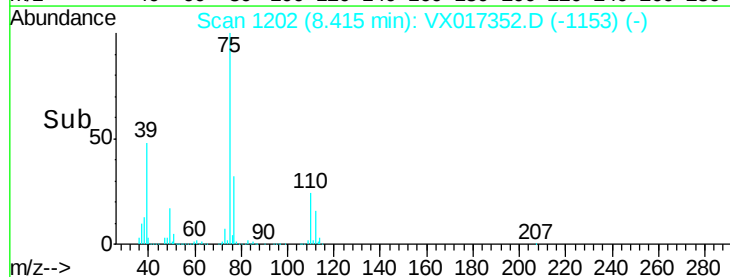
400000

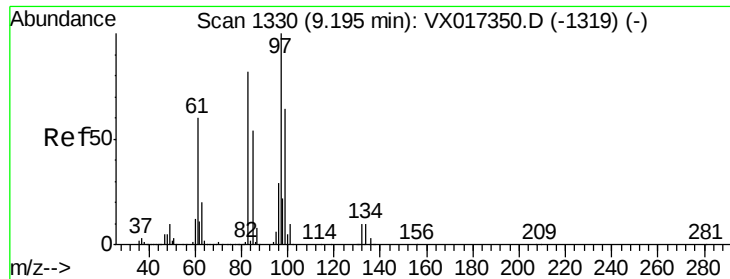
200000

0

8.30 8.40 8.50

Time-->





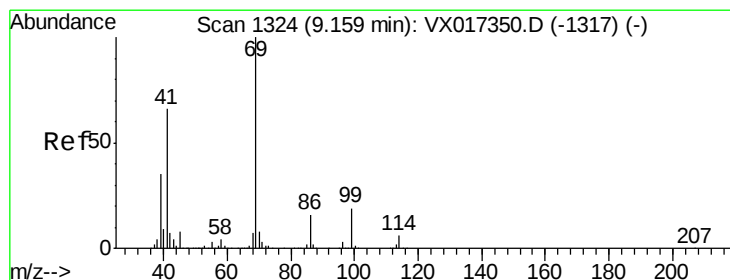
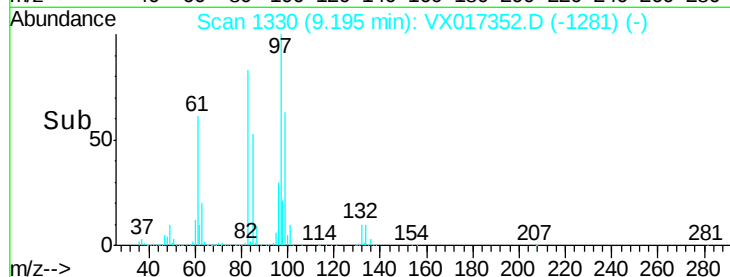
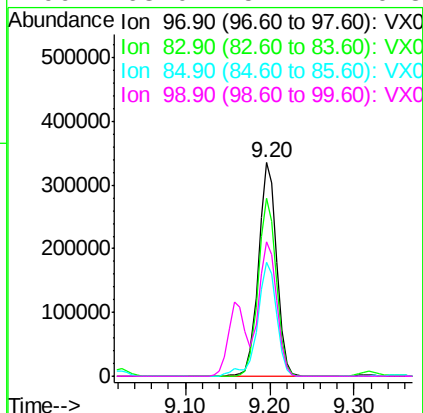
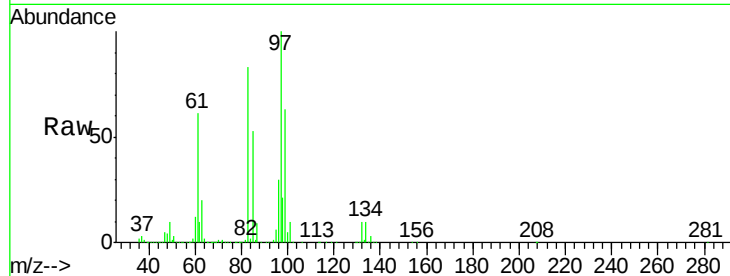
#55
 1,1,2-Trichloroethane
 Concen: 149.860 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017352.D
 Acq: 13 Jul 2020 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		494382		
83	83.1	65.8	98.6		
85	53.4	42.8	64.2		
99	63.0	51.2	76.8		

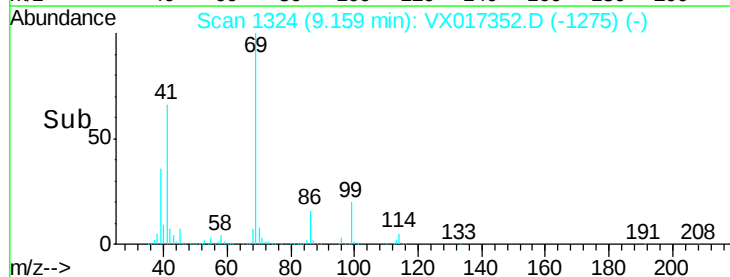
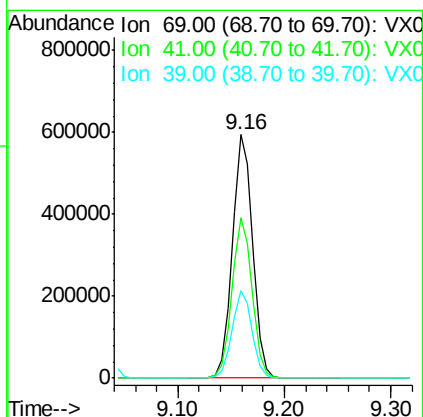
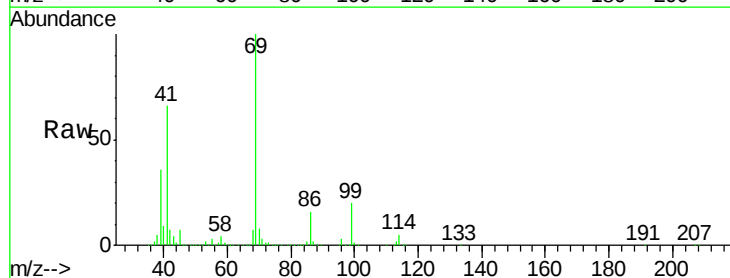
Manual Integrations
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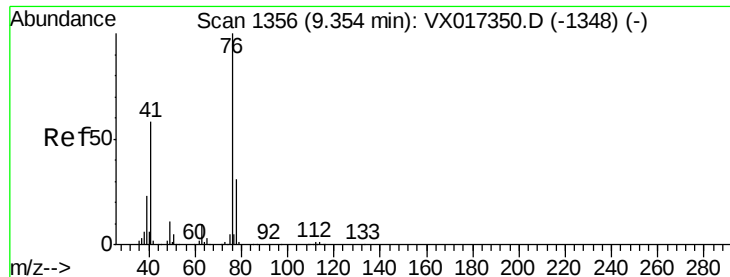
MMDadoda
 7/14/2020 11:35:53 AM



#56
 Ethyl methacrylate
 Concen: 169.693 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX017352.D
 Acq: 13 Jul 2020 12:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		793847		
41	65.2	52.6	78.8		
39	35.4	28.8	43.2		





#57

1,3-Dichloropropane

Concen: 148.179 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 824179

Ion Ratio Lower Upper

76 100

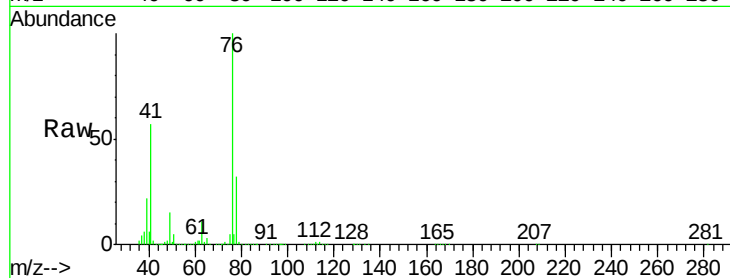
78 32.3 25.8 38.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

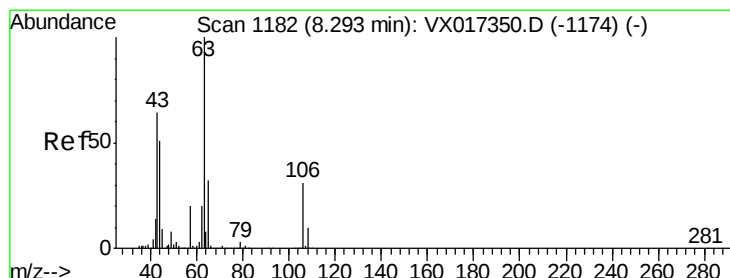
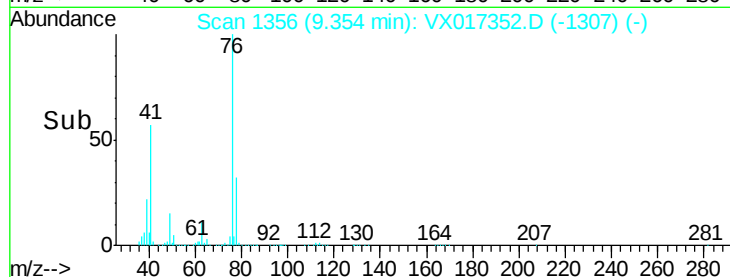
600000

400000

200000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 813.917 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX017352.D

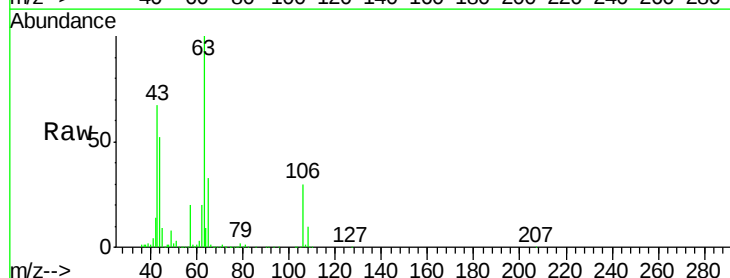
Acq: 13 Jul 2020 12:09

Tgt Ion: 63 Resp: 1902366

Ion Ratio Lower Upper

63 100

106 31.0 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

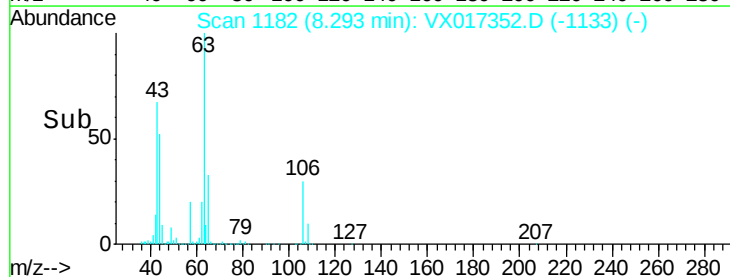
8.29

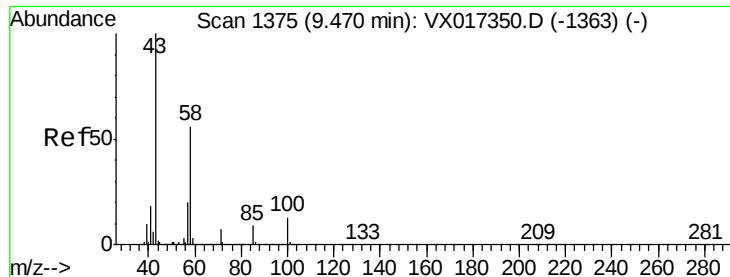
1000000

500000

0

Time-->





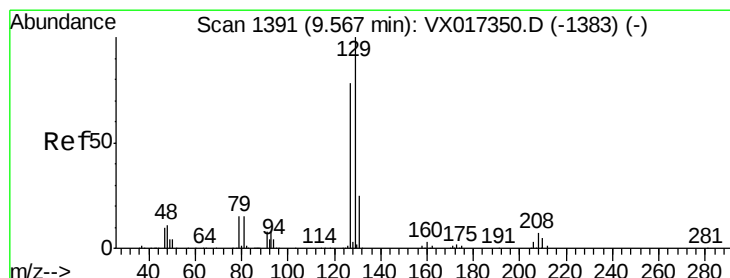
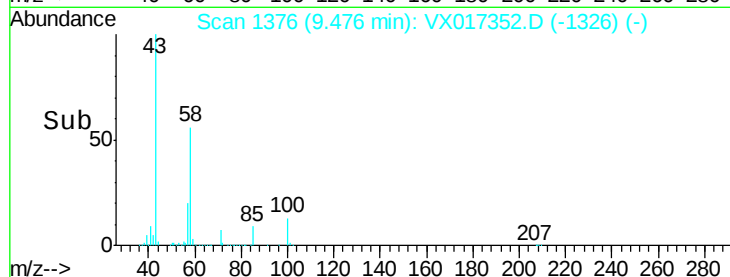
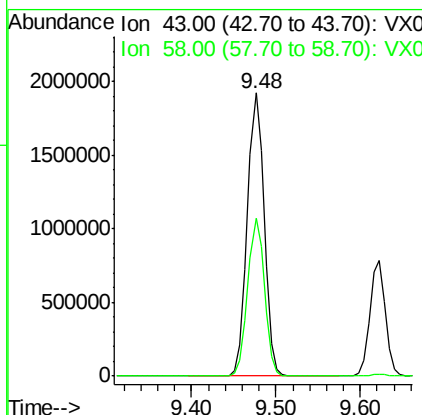
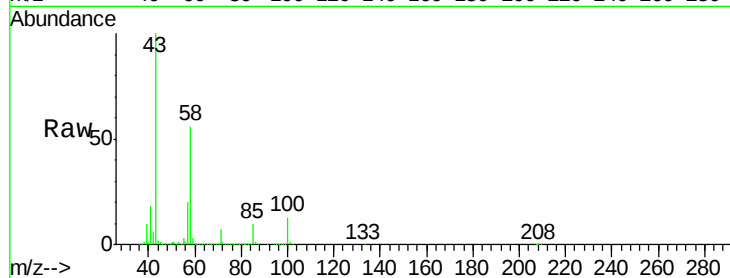
#59
2-Hexanone
Concen: 792.084 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2552369
Ion Ratio Lower Upper
43 100
58 55.5 28.1 84.3

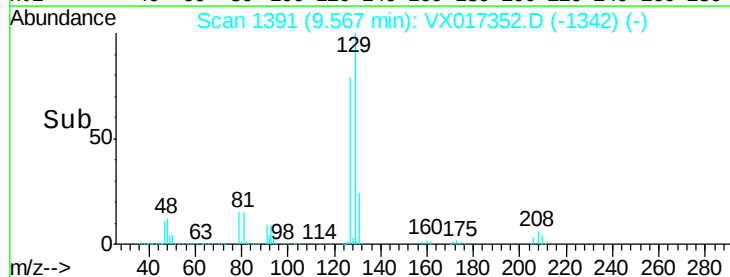
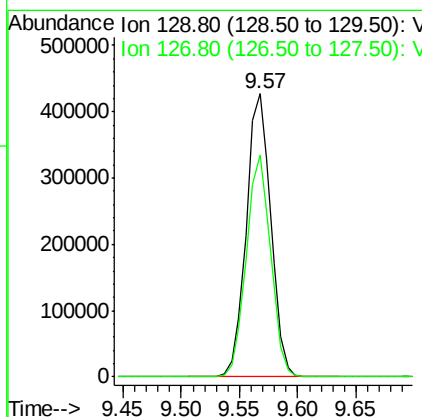
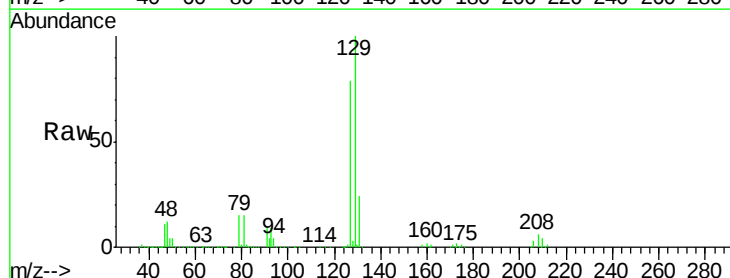
Manual Integrations
APPROVED

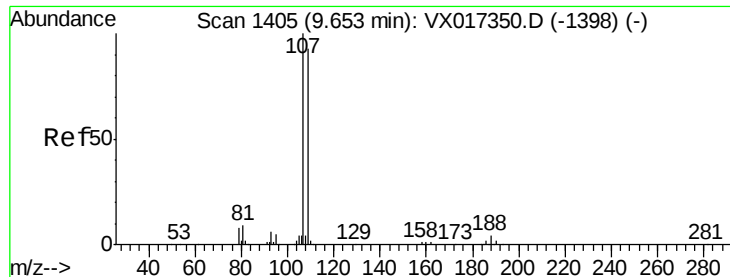
MMDadoda
7/14/2020 11:35:53 AM



#60
Dibromochloromethane
Concen: 163.062 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Tgt Ion: 129 Resp: 629746
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.6





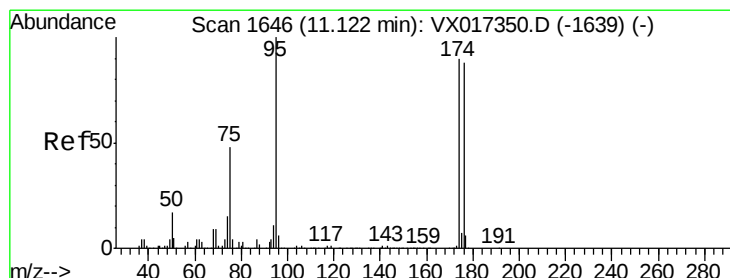
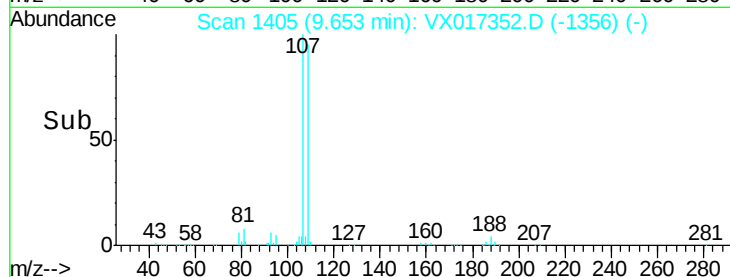
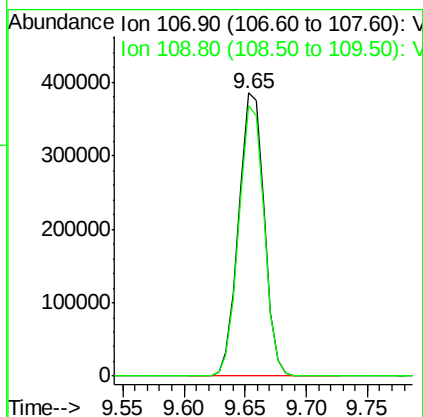
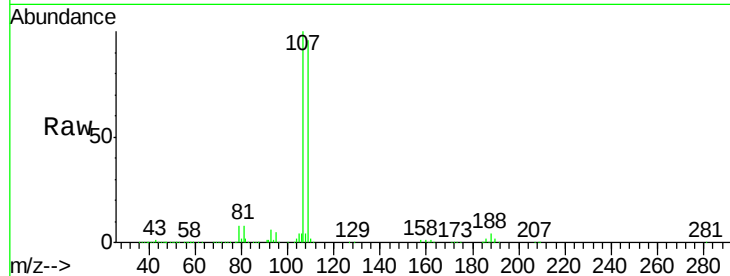
#61
 1,2-Dibromoethane
 Concen: 156.093 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX017352.D
 Acq: 13 Jul 2020 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.0	112.4

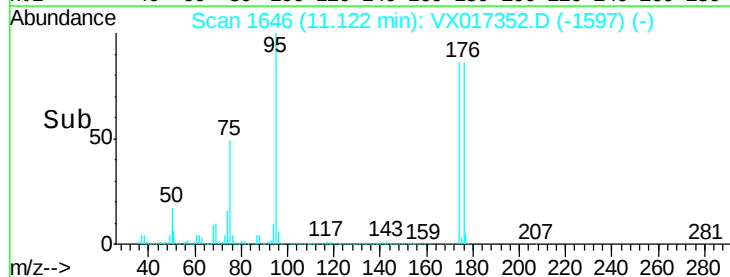
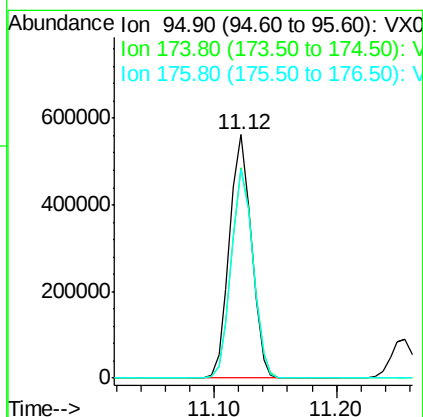
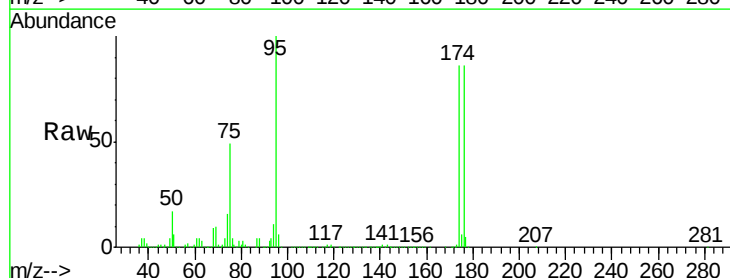
Manual Integrations
 APPROVED

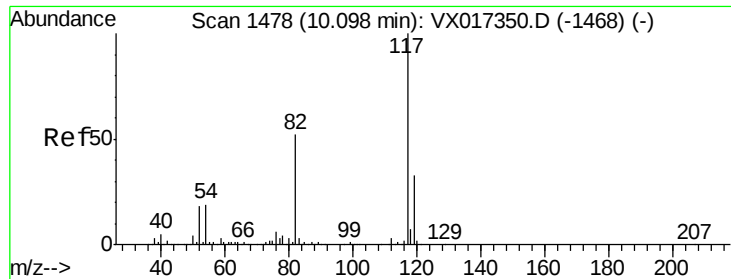
MMDadoda
 7/14/2020 11:35:53 AM



#62
 4-Bromofluorobenzene
 Concen: 161.234 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX017352.D
 Acq: 13 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	175.8
176	84.7	0.0	164.6





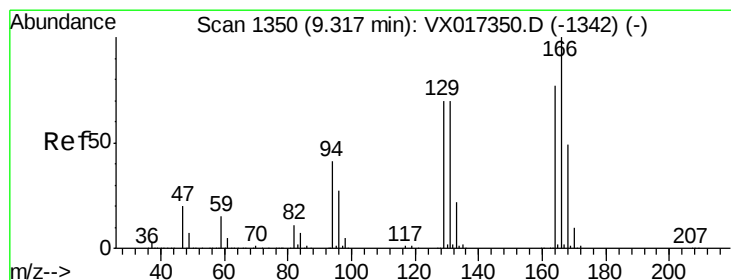
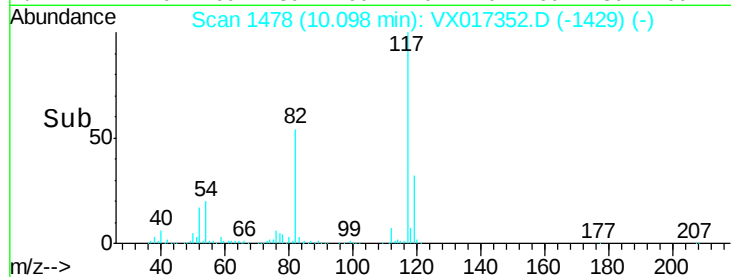
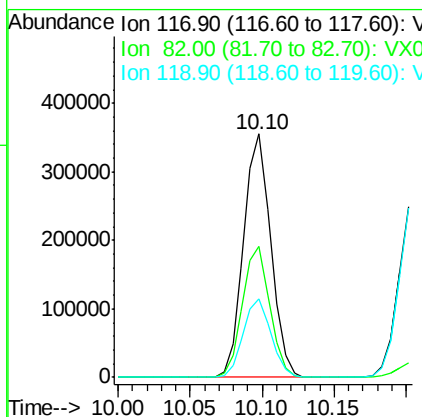
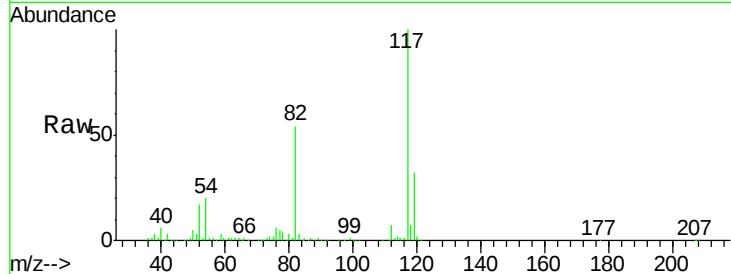
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	465819		
82	53.6	42.0	63.0	
119	32.1	26.3	39.5	

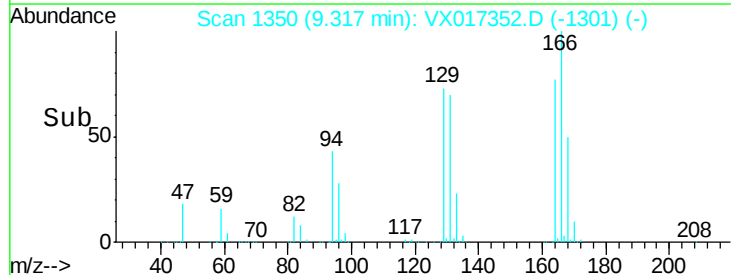
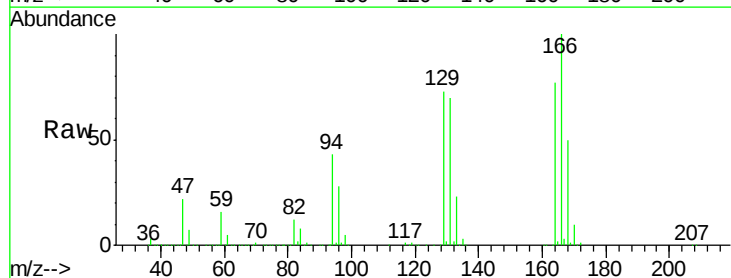
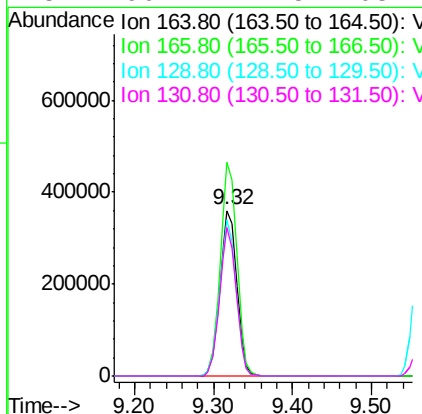
Manual Integrations
APPROVED

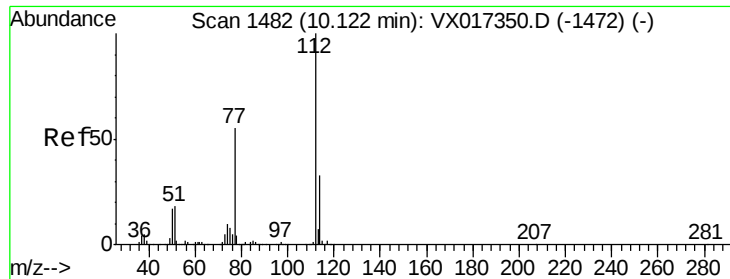
MMDadoda
7/14/2020 11:35:53 AM



#64
Tetrachloroethene
Concen: 140.339 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	535136		
166	129.2	103.9	155.9	
129	94.5	72.9	109.3	
131	90.2	72.5	108.7	





#65

Chlorobenzene

Concen: 143.996 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 1385204

Ion Ratio Lower Upper

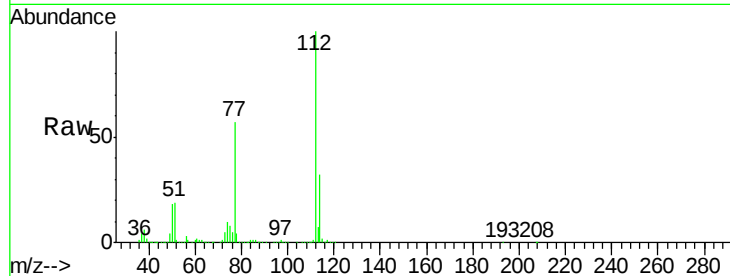
112 100

114 31.8 26.0 39.0

Manual Integrations
APPROVED

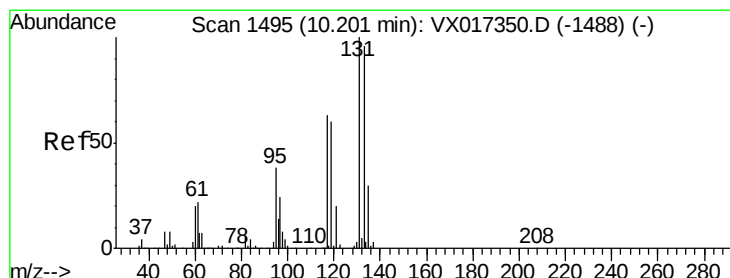
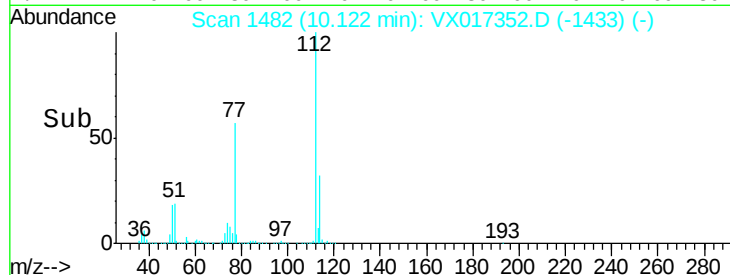
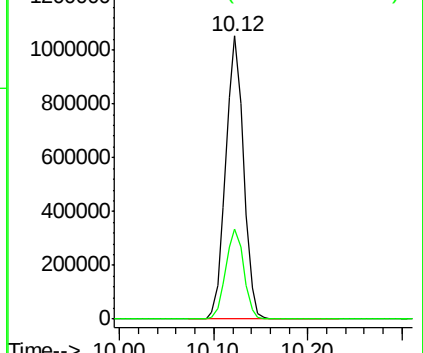
MMDadoda

7/14/2020 11:35:53 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 149.471 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

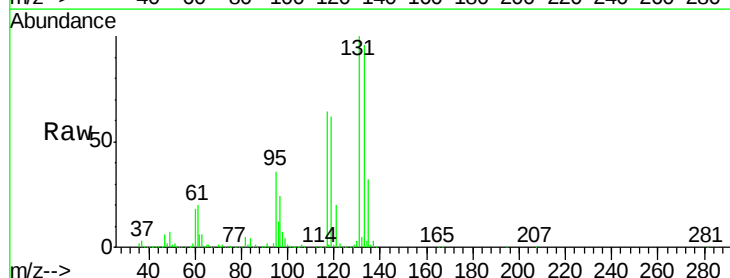
Tgt Ion:131 Resp: 557985

Ion Ratio Lower Upper

131 100

133 95.6 48.4 145.2

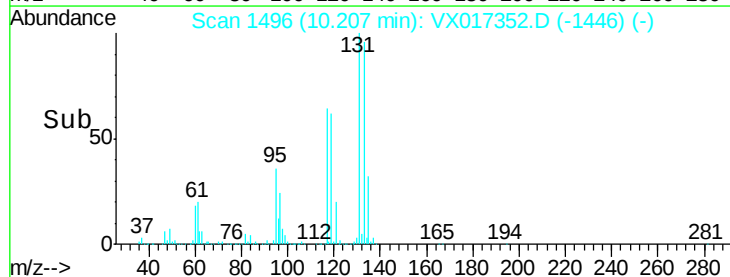
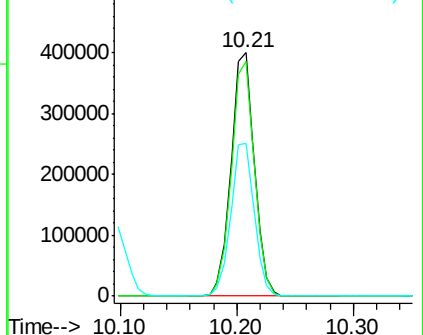
119 63.0 31.2 93.6

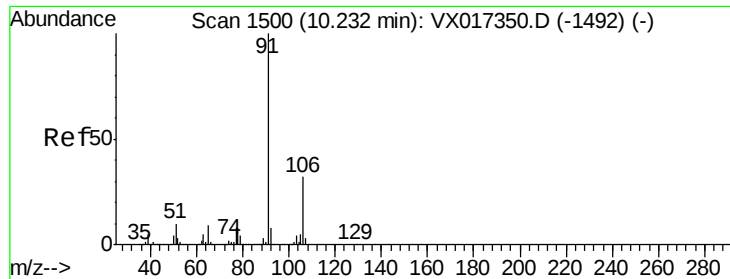


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





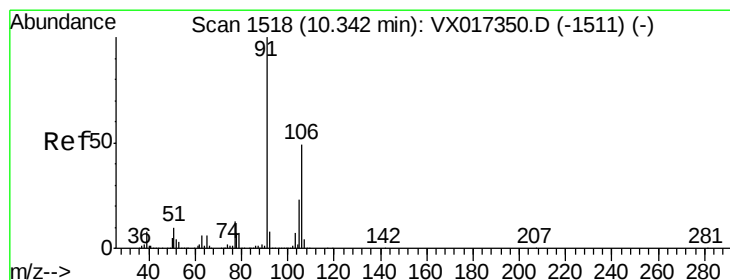
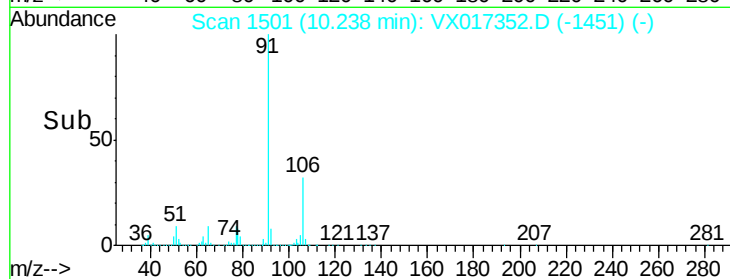
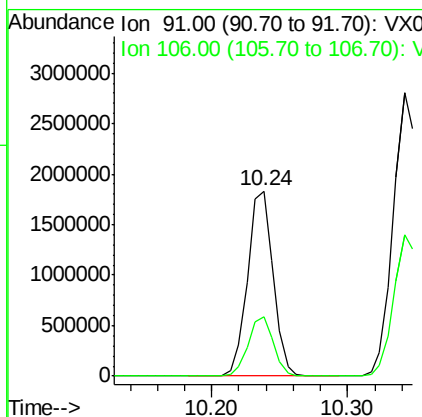
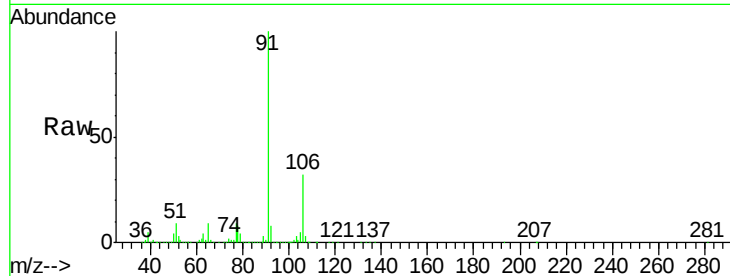
#67
Ethyl Benzene
Concen: 151.042 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2422617
Ion Ratio Lower Upper
91 100
106 32.0 25.7 38.5

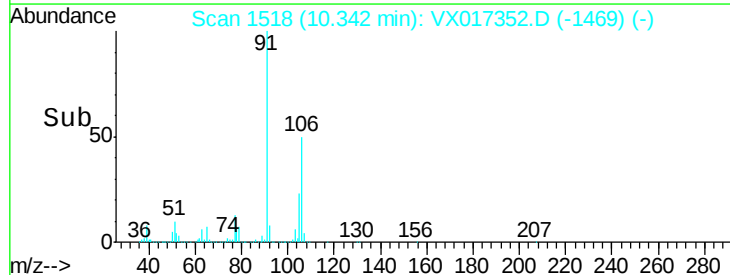
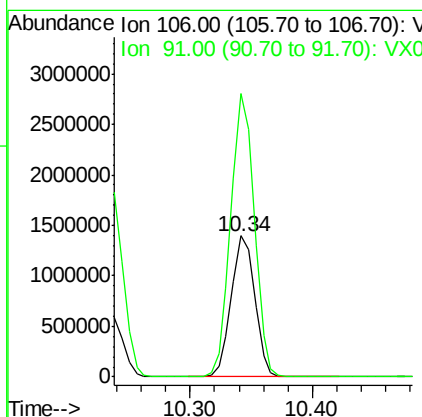
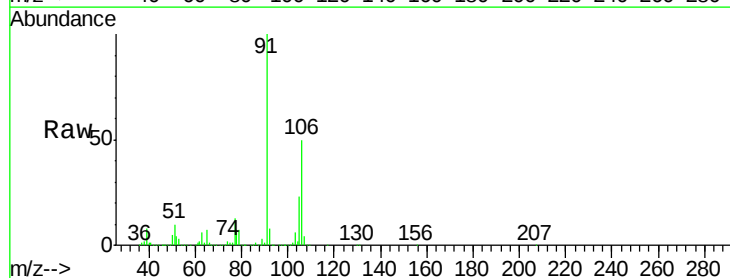
Manual Integrations
APPROVED

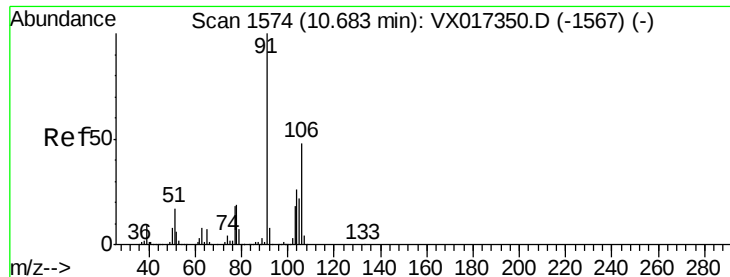
MMDadoda
7/14/2020 11:35:53 AM



#68
m/p-Xylenes
Concen: 301.917 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Tgt Ion: 106 Resp: 1859049
Ion Ratio Lower Upper
106 100
91 200.6 162.5 243.7





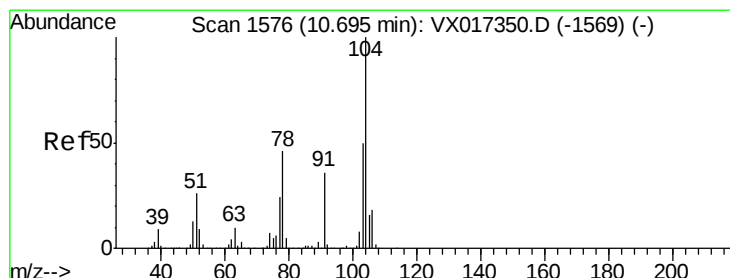
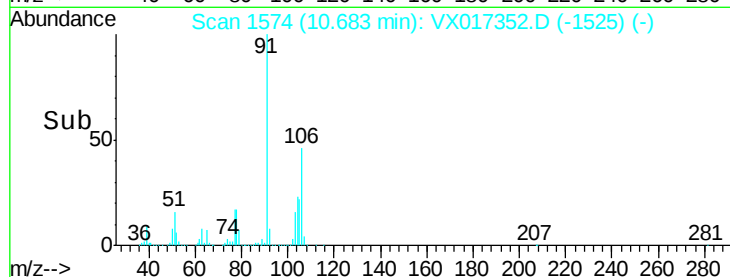
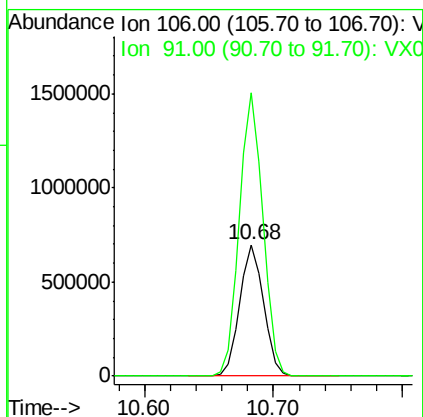
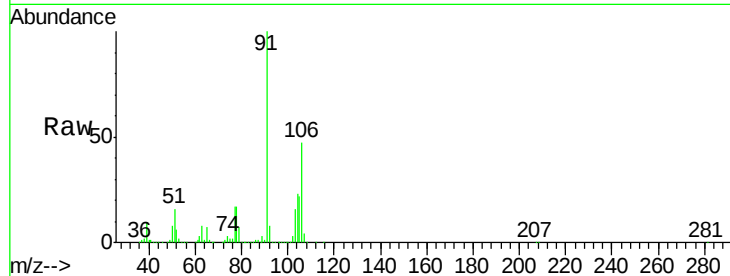
#69
o-Xylene
Concen: 152.051 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.4	106.1	318.1

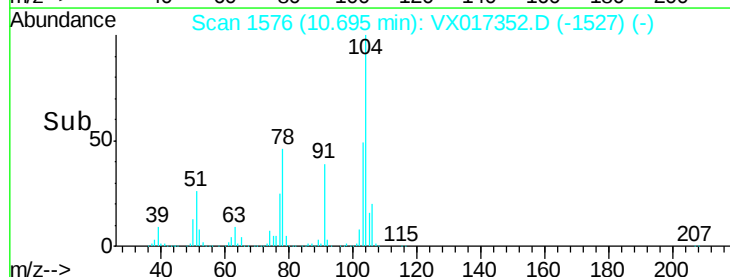
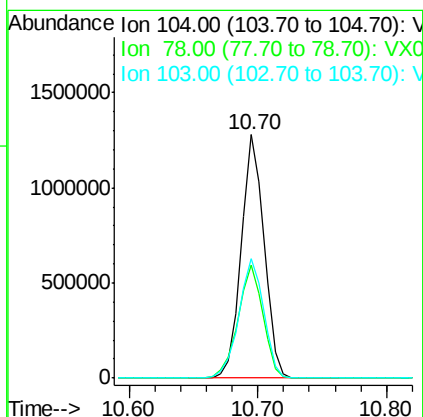
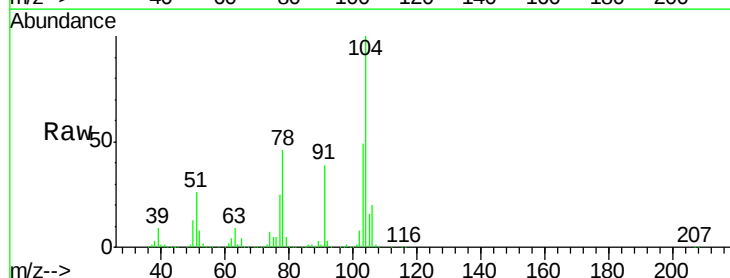
Manual Integrations
APPROVED

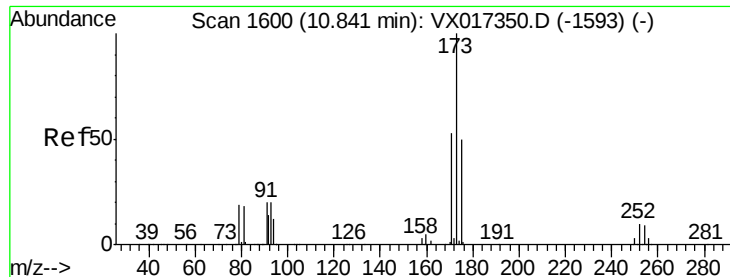
MMDadoda
7/14/2020 11:35:53 AM



#70
Styrene
Concen: 157.231 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.0	40.8	61.2
103	53.8	43.3	64.9





#71

Bromoform

Concen: 165.573 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 493693

Ion Ratio Lower Upper

173 100

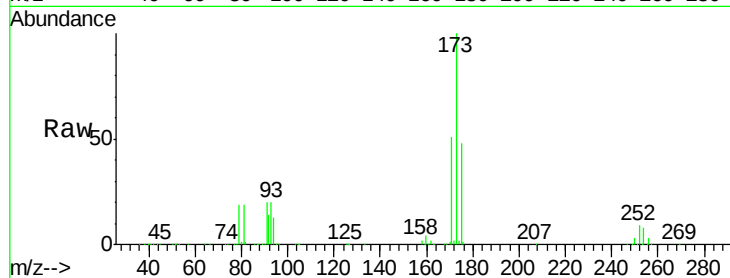
175 48.6 24.7 74.1

254 0.1 0.1 0.1#

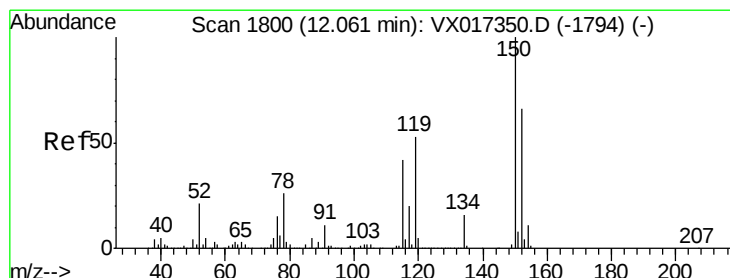
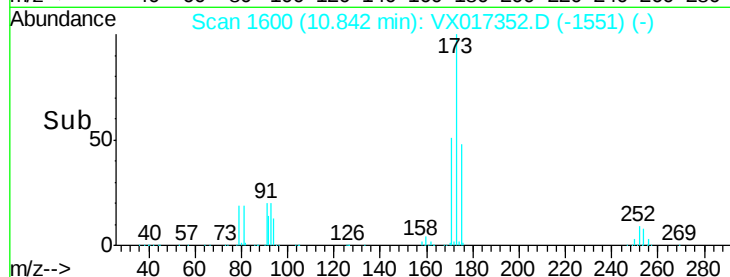
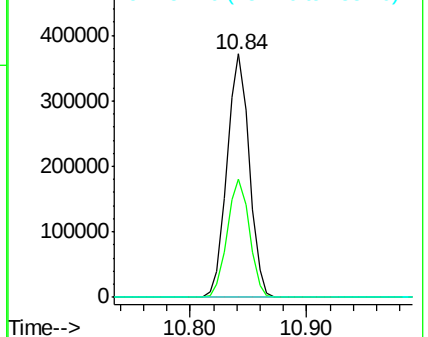
Manual Integrations
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MMDadoda

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

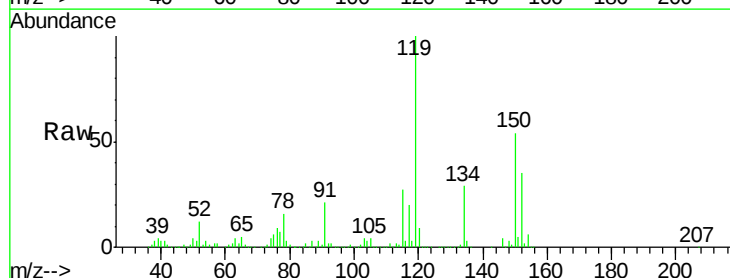
Tgt Ion:152 Resp: 253427

Ion Ratio Lower Upper

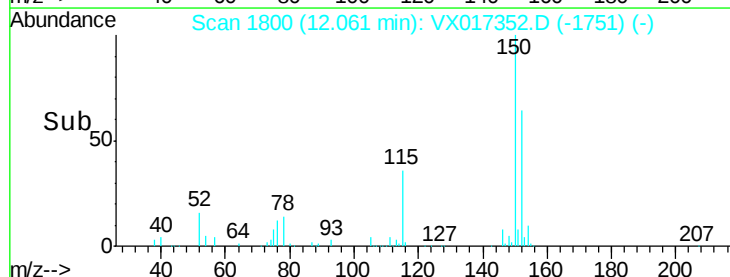
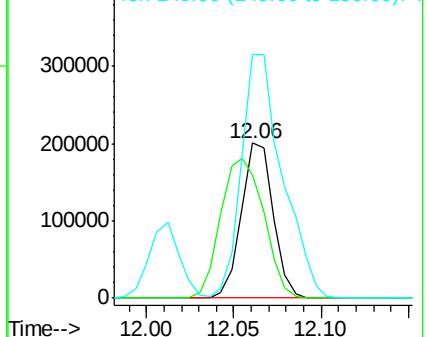
152 100

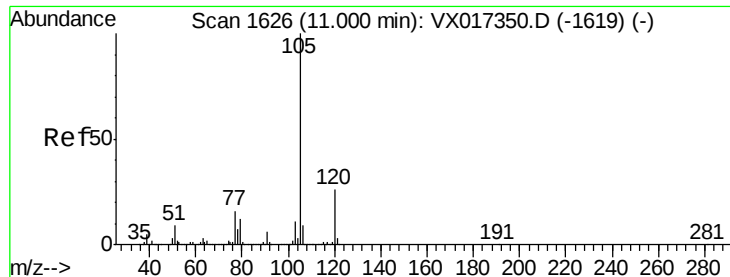
115 121.8 39.9 119.7#

150 203.5 0.0 343.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 146.585 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 105 Resp: 2422781

Ion Ratio Lower Upper

105 100

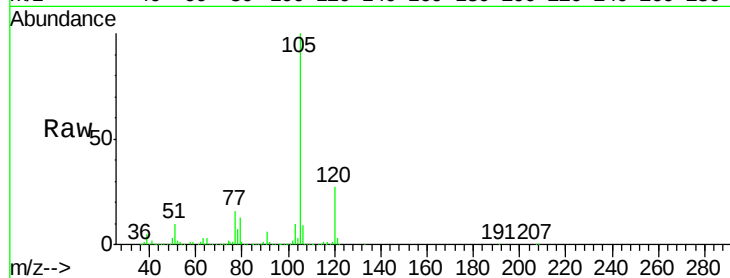
120 27.1 13.3 39.8

Manual Integrations

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MMDadoda

7/14/2020 11:35:53 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.00

2000000

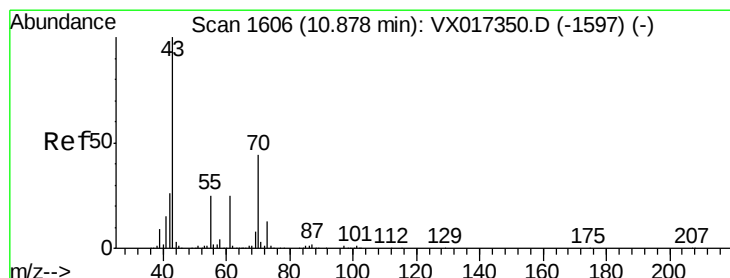
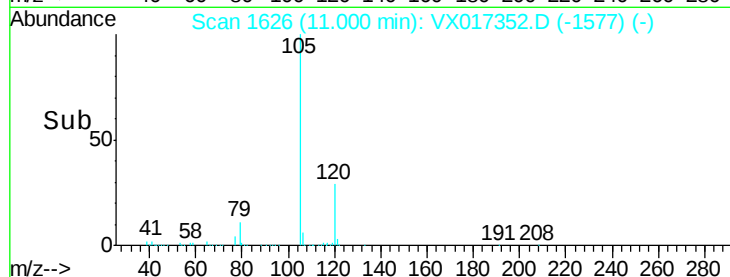
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 145.930 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Tgt Ion: 43 Resp: 1016851

Ion Ratio Lower Upper

43 100

70 44.0 35.7 53.5

55 24.2 20.3 30.5

61 24.9 20.0 30.0

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

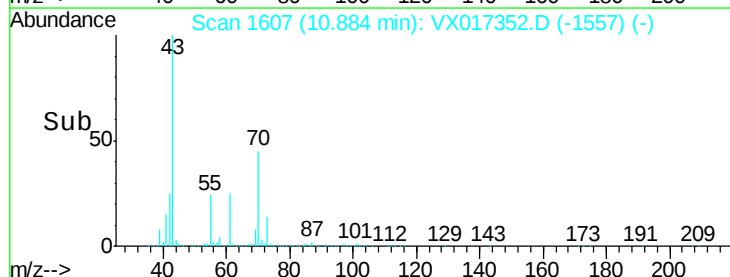
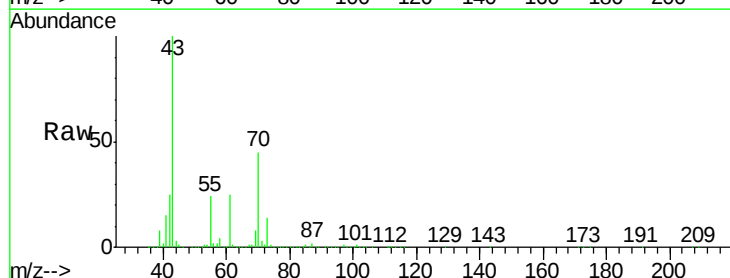
10.88

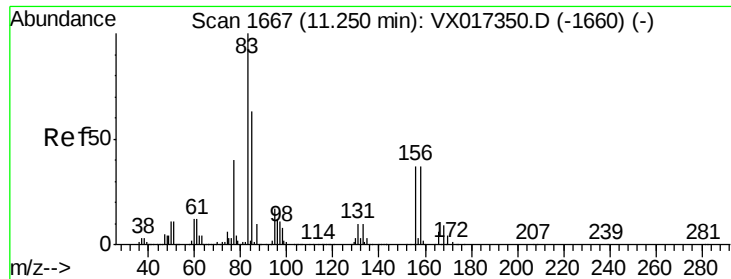
1000000

500000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 137.167 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

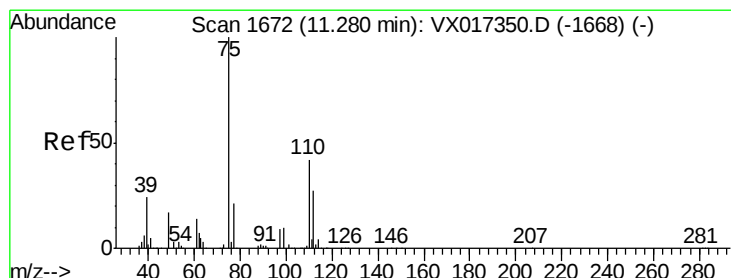
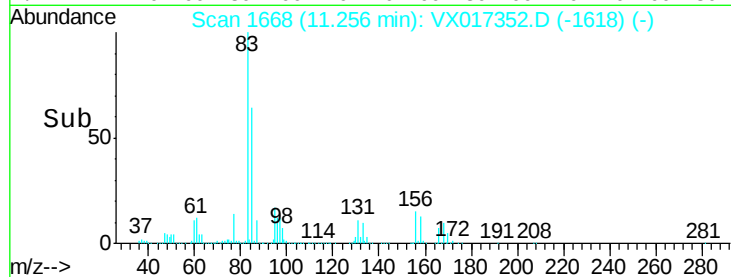
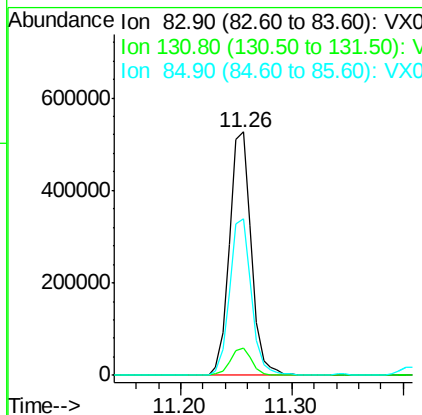
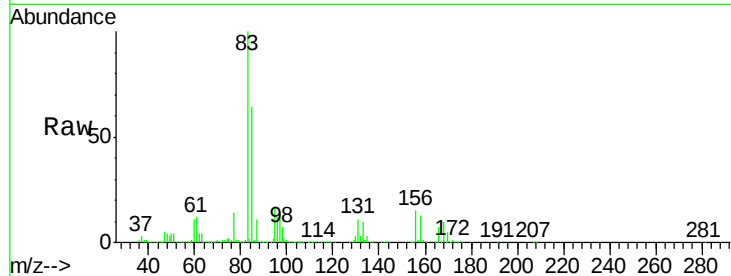
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	709004
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.7
85	64.4	32.6	98.0

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#76

1,2,3-Trichloropropane

Concen: 133.566 ug/l m

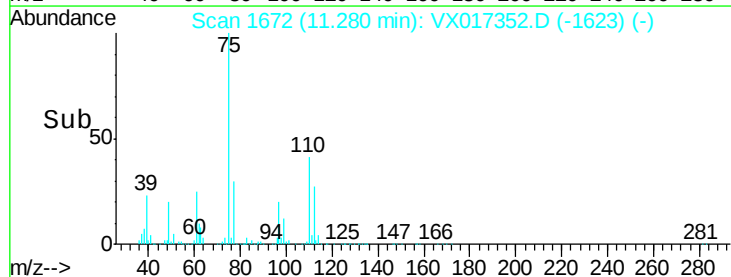
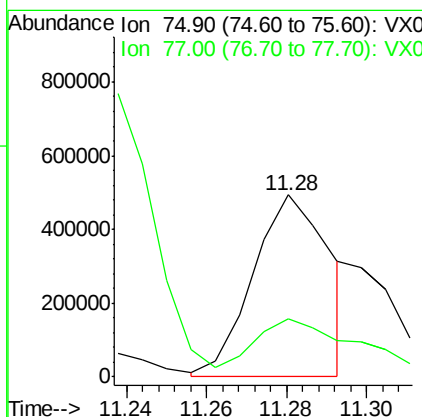
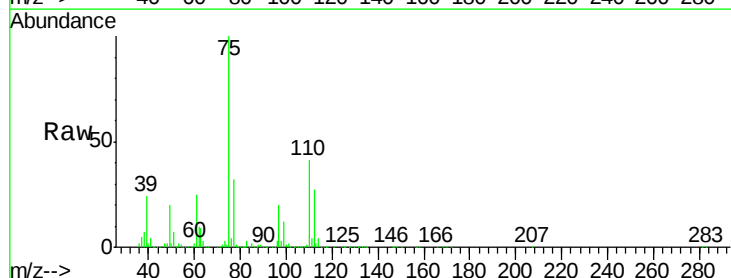
RT: 11.28 min Scan# 1672

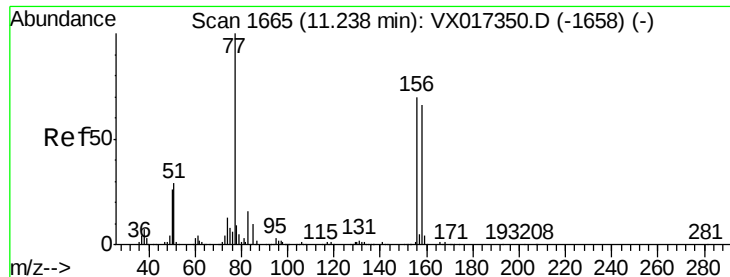
Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Tgt Ion:	75	Resp:	659018
Ion Ratio	Lower	Upper	
75	100		
77	43.6	20.3	60.9





#77

Bromobenzene

Concen: 142.121 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

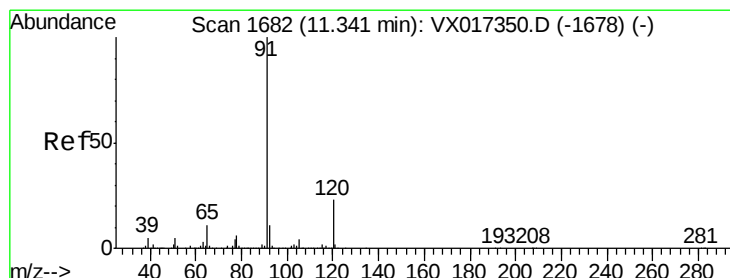
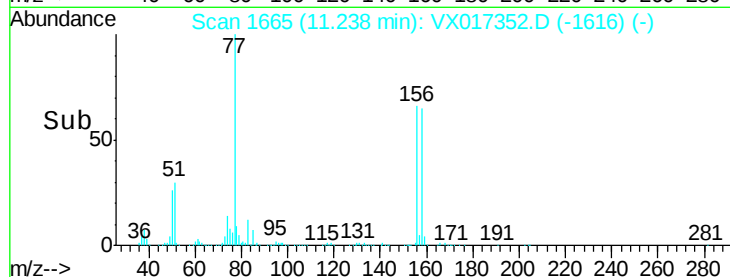
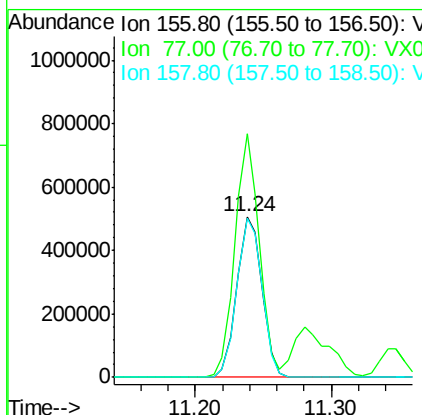
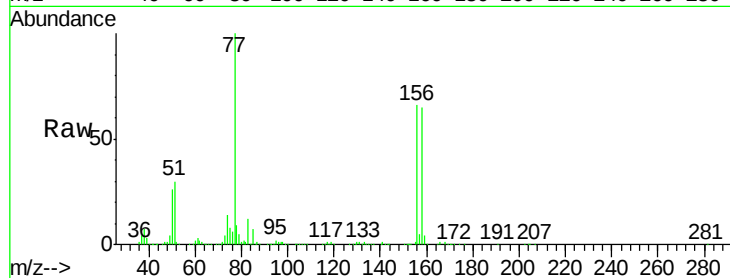
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	146.5	72.1	216.3
158	98.8	47.4	142.3

Manual Integrations
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#78

n-propylbenzene

Concen: 148.065 ug/l

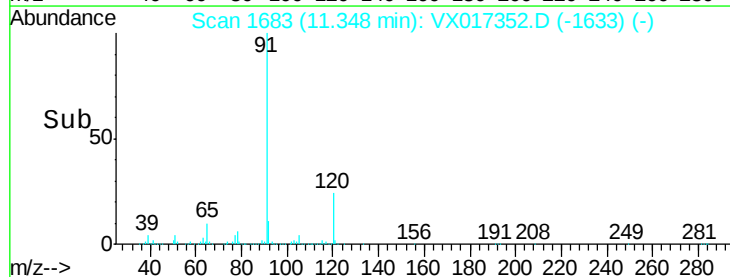
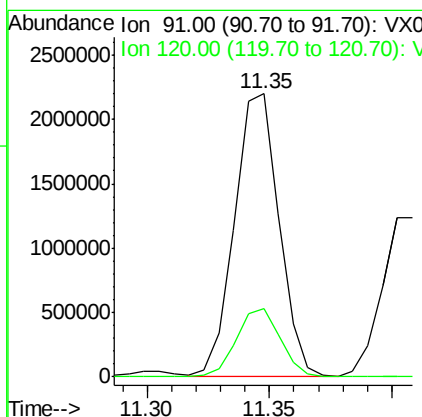
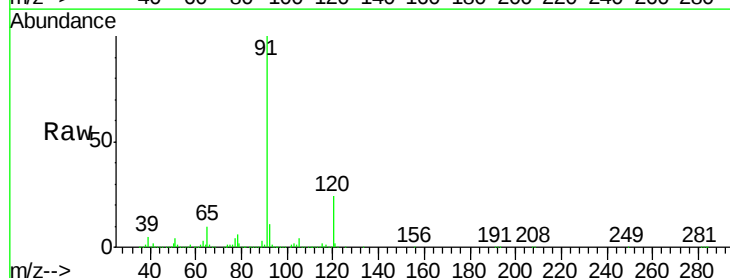
RT: 11.35 min Scan# 1683

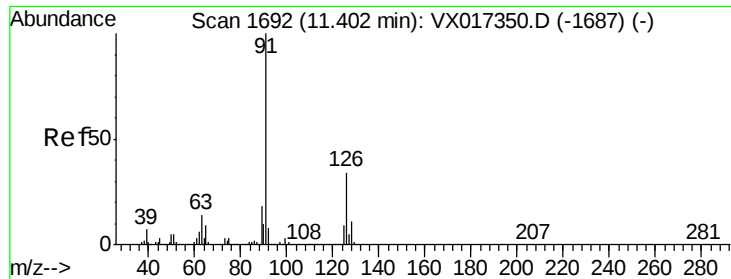
Delta R.T. 0.01 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.9





#79

2-Chlorotoluene

Concen: 144.660 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1637310

Ion Ratio Lower Upper

91 100

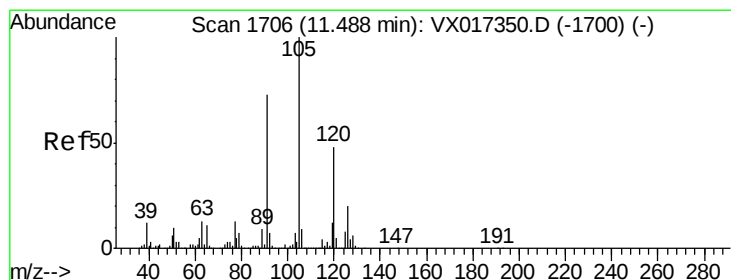
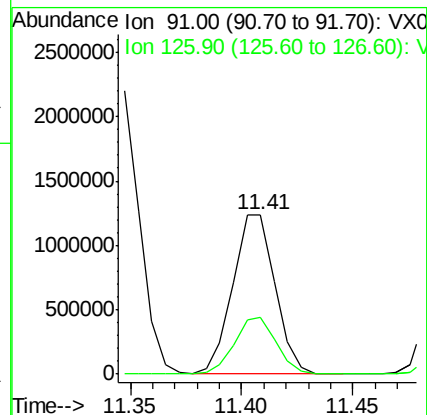
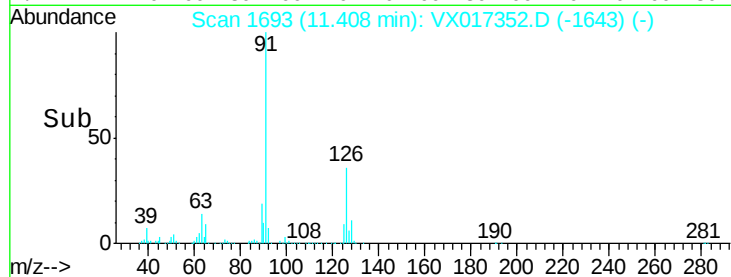
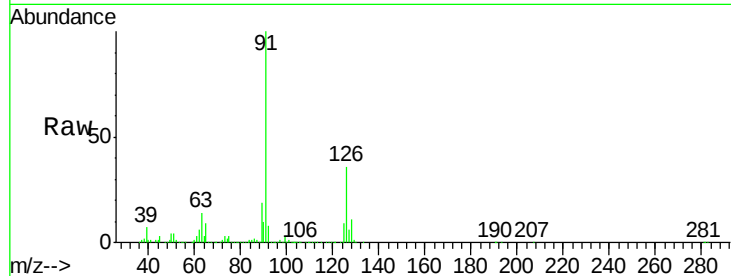
126 34.9 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 150.832 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX017352.D

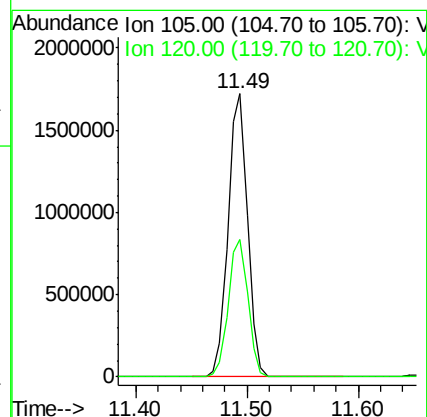
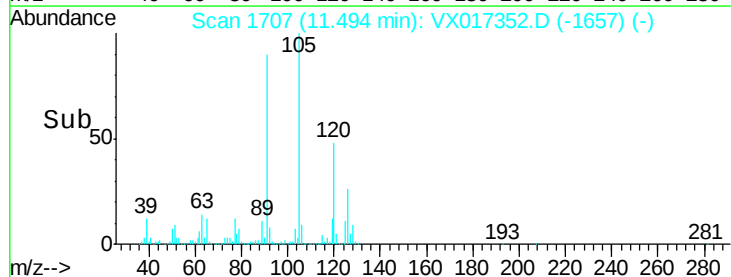
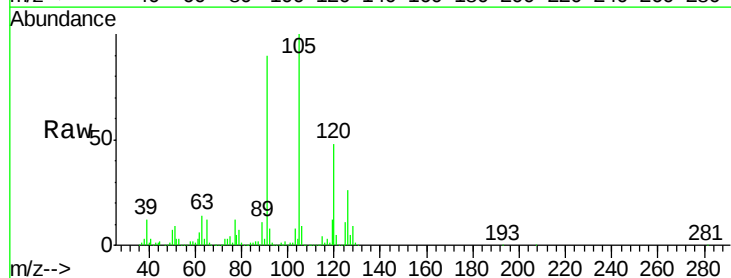
Acq: 13 Jul 2020 12:09

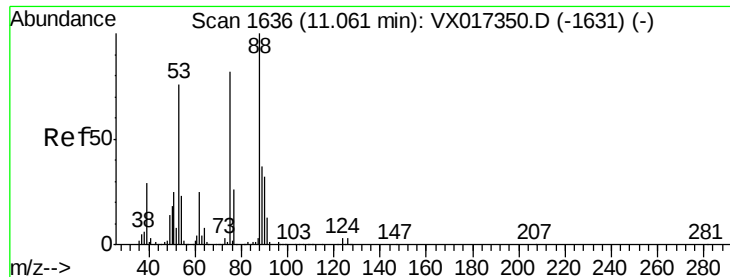
Tgt Ion: 105 Resp: 2070191

Ion Ratio Lower Upper

105 100

120 49.2 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 148.082 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

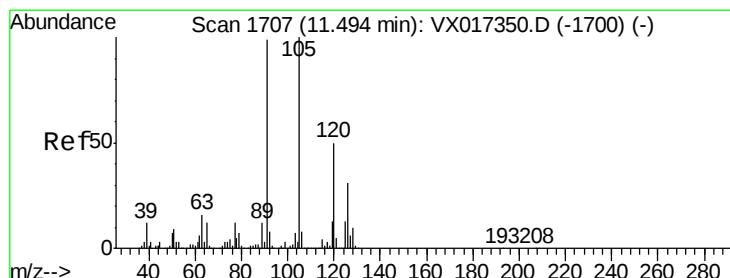
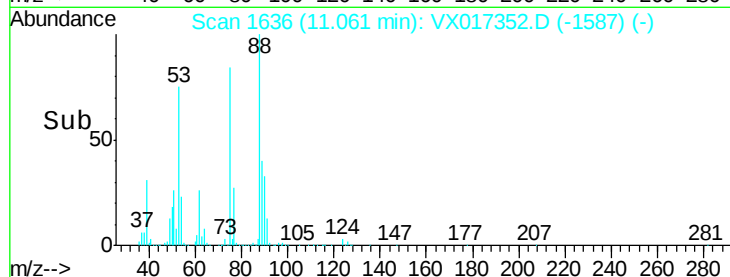
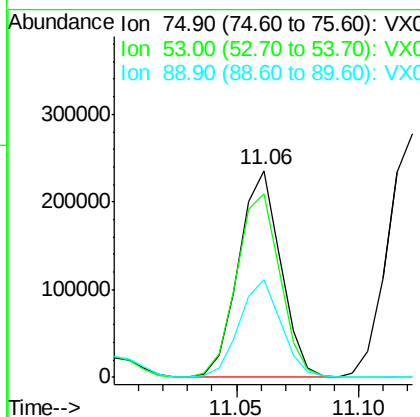
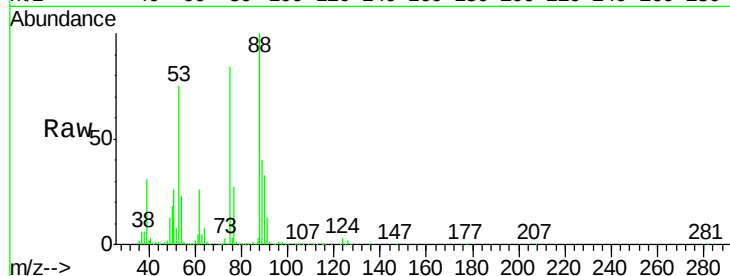
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	281261
Ion Ratio	Lower	Upper	
75	100		
53	92.2	76.5	114.7
89	47.5	38.1	57.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 143.634 ug/l

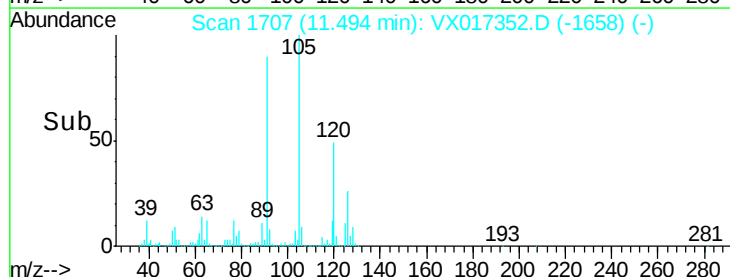
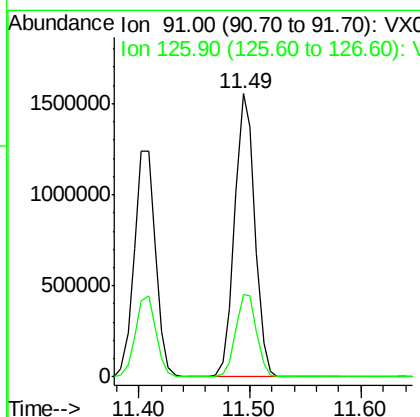
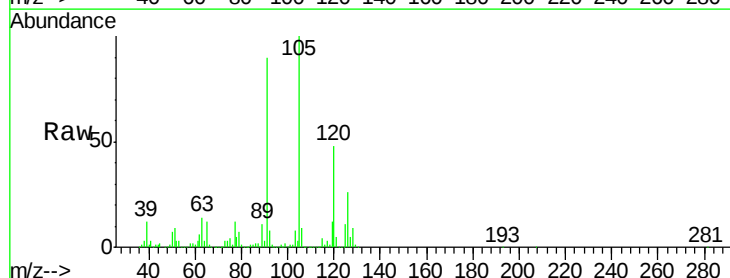
RT: 11.49 min Scan# 1707

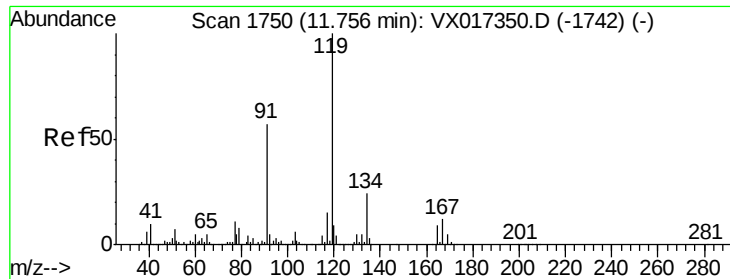
Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Tgt Ion:	91	Resp:	1946514
Ion Ratio	Lower	Upper	
91	100		
126	30.2	15.4	46.2





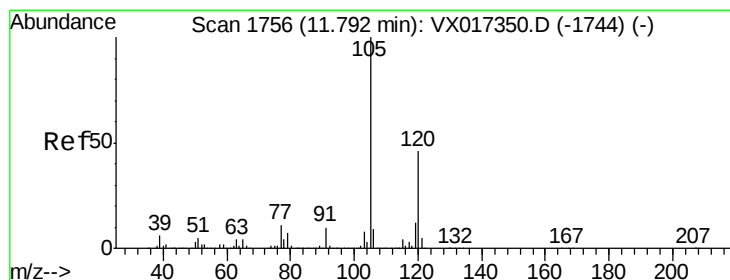
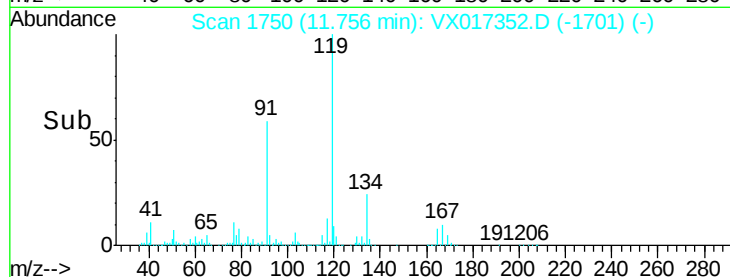
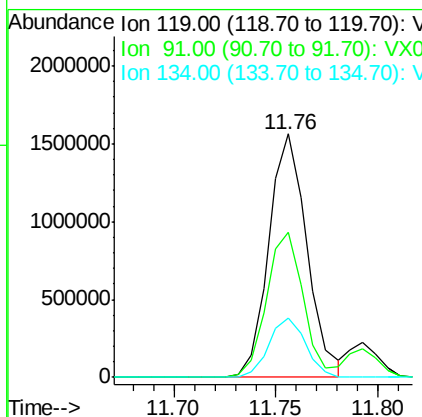
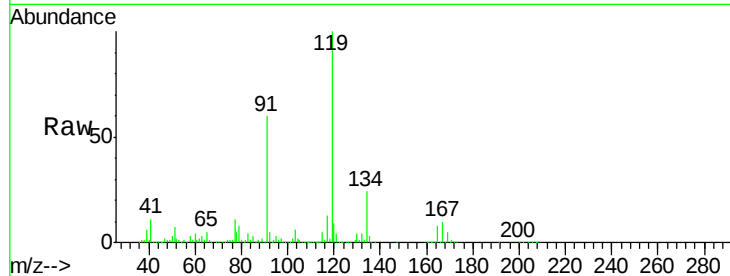
#83
tert-Butylbenzene
Concen: 151.119 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.7	28.5	85.6
134	23.6	11.9	35.9

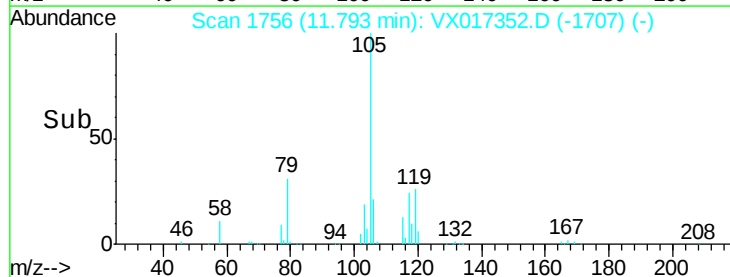
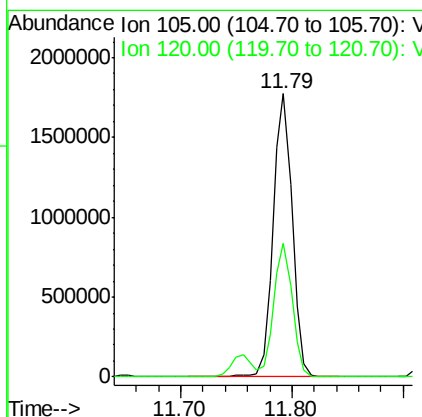
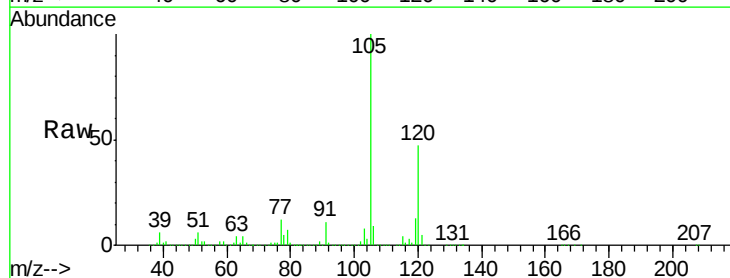
Manual Integrations
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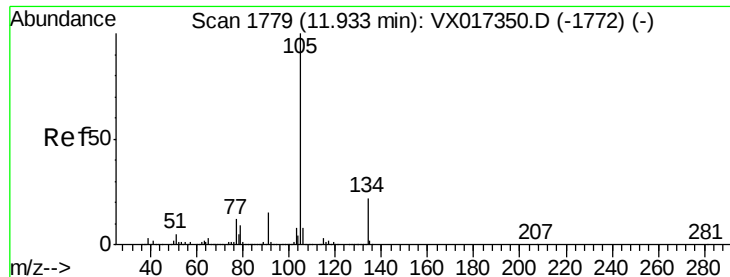
MMDadoda
7/14/2020 11:35:53 AM



#84
1,2,4-Trimethylbenzene
Concen: 150.768 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.8	68.4





#85

sec-Butylbenzene

Concen: 151.338 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2397328

Ion Ratio Lower Upper

105 100

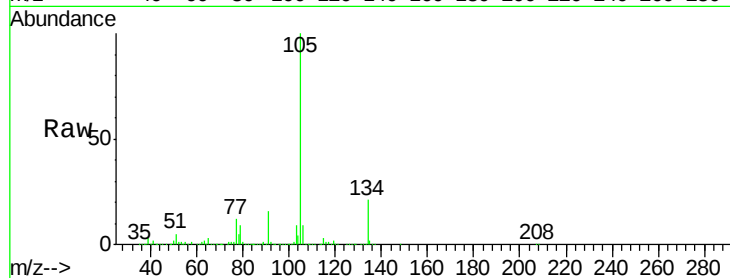
134 20.8 10.5 31.5

Manual Integrations

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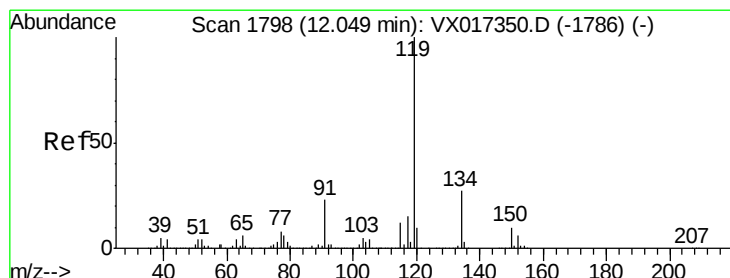
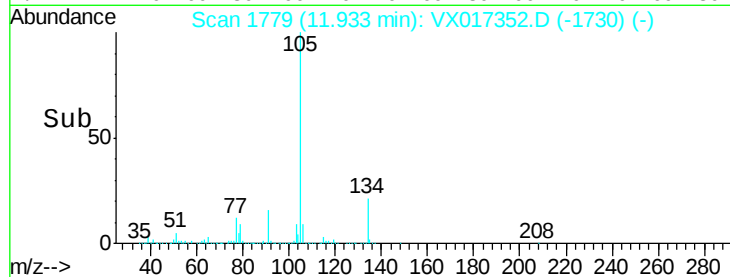
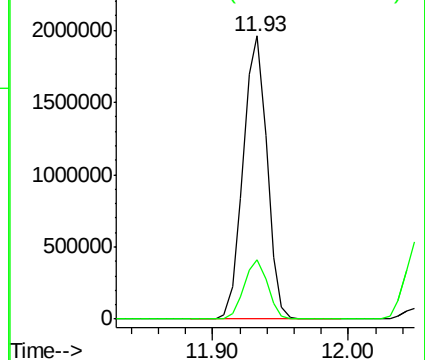
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 154.252 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

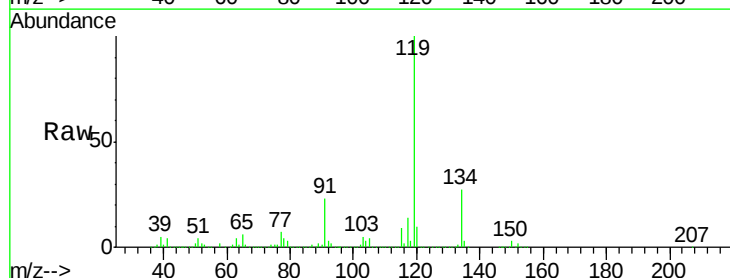
Tgt Ion:119 Resp: 2271696

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.5

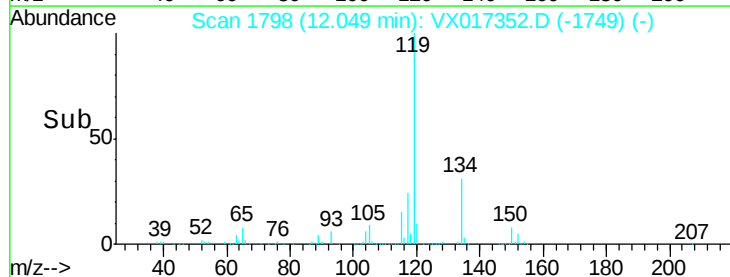
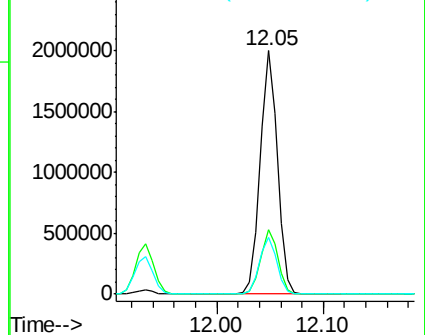
91 23.6 11.8 35.3

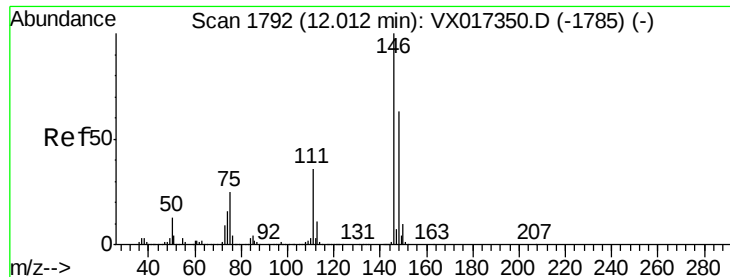


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





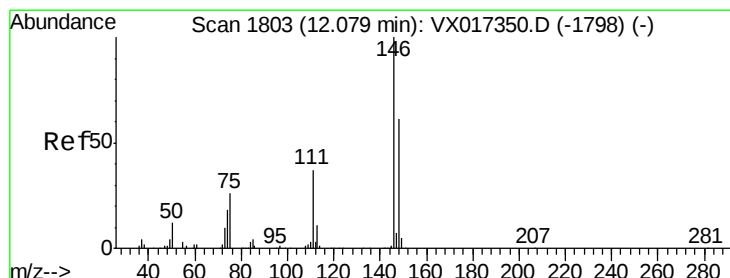
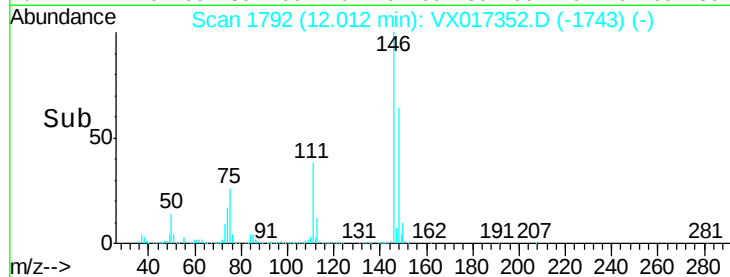
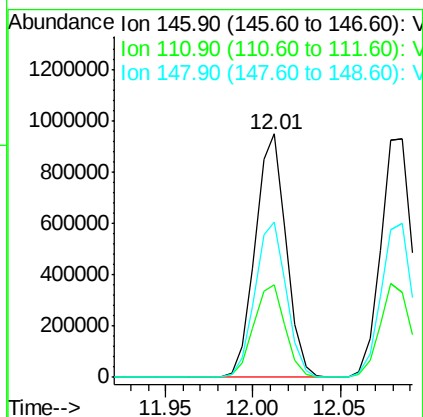
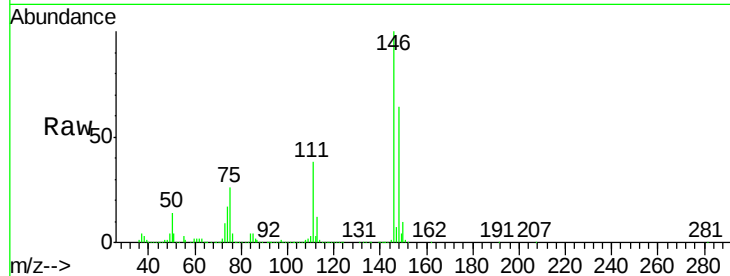
#87
 1,3-Dichlorobenzene
 Concen: 140.721 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX017352.D
 Acq: 13 Jul 2020 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.2	57.6
148	64.5	31.6	95.0

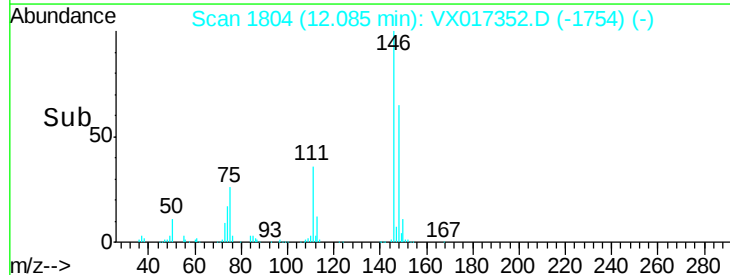
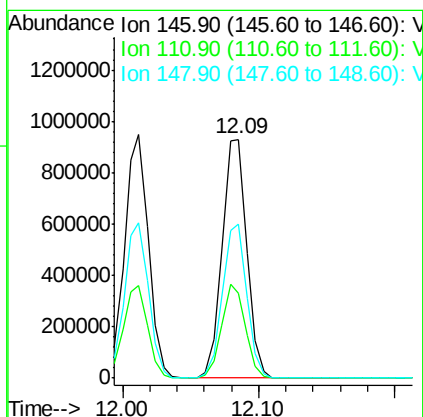
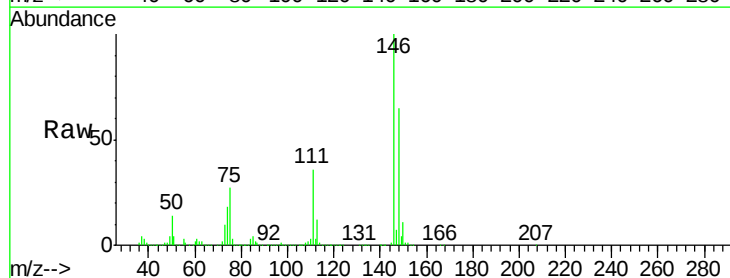
Manual Integrations
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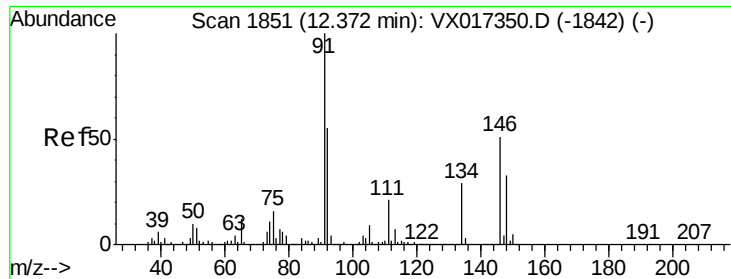
MMDadoda
 7/14/2020 11:35:53 AM



#88
 1,4-Dichlorobenzene
 Concen: 137.166 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX017352.D
 Acq: 13 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	63.8	31.9	95.9





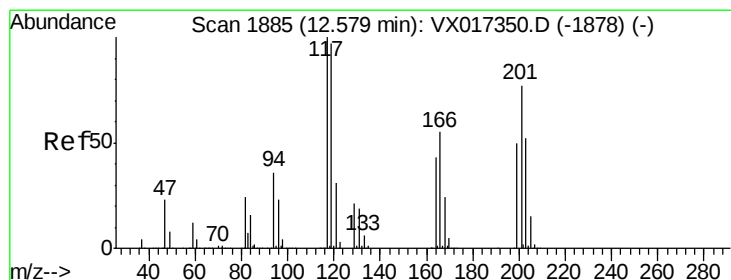
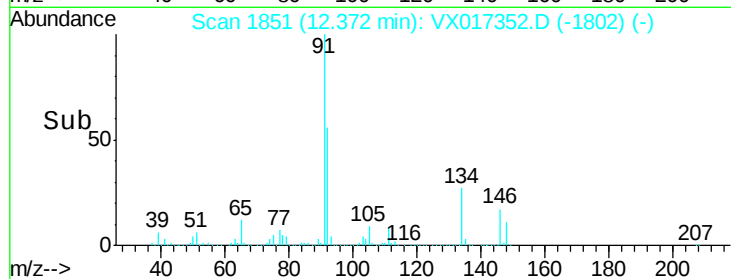
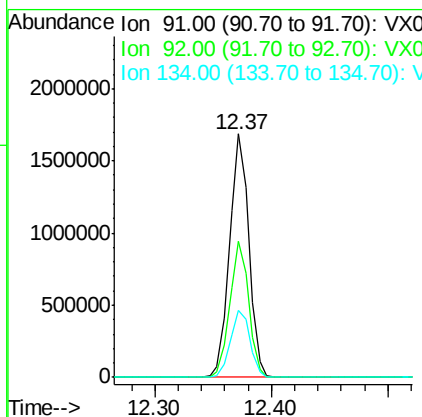
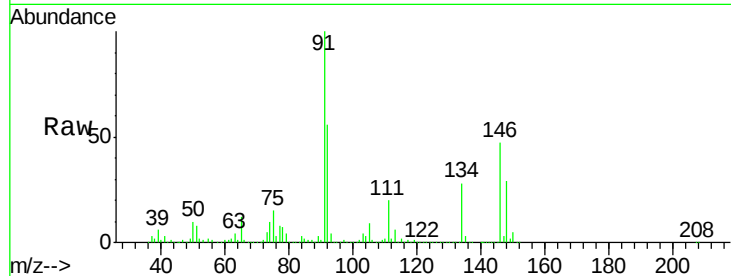
#89
n-Butylbenzene
Concen: 147.750 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1936082
Ion Ratio Lower Upper
91 100
92 54.8 27.0 81.0
134 28.1 14.1 42.2

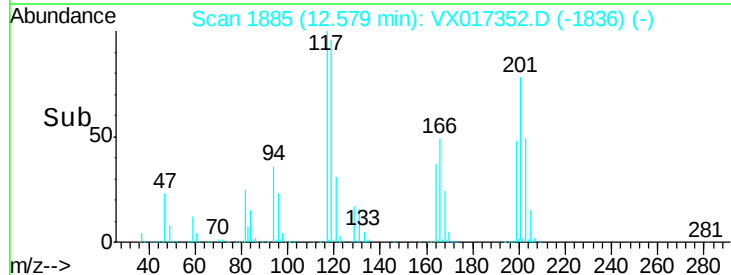
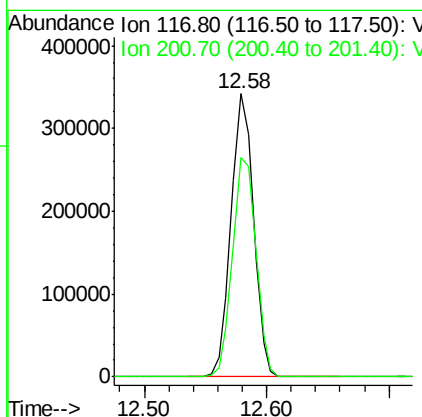
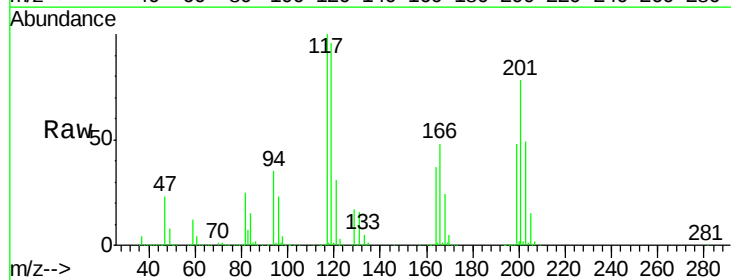
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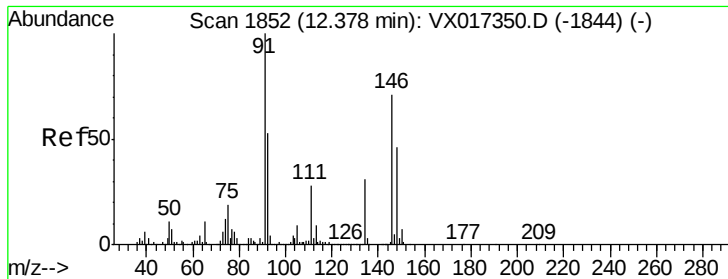
MMDadoda
7/14/2020 11:35:53 AM



#90
Hexachloroethane
Concen: 149.130 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Tgt Ion: 117 Resp: 432031
Ion Ratio Lower Upper
117 100
201 81.2 41.0 123.0





#91

1,2-Dichlorobenzene

Concen: 144.461 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1118369

Ion Ratio Lower Upper

146 100

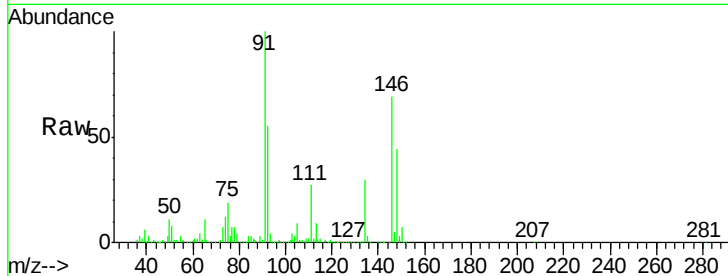
111 40.6 20.3 61.0

148 63.5 32.0 96.0

Manual Integrations
APPROVED

MMDadoda

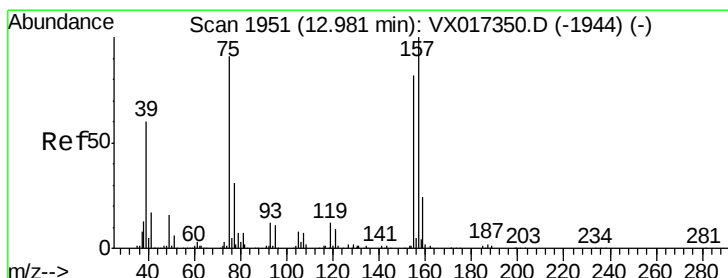
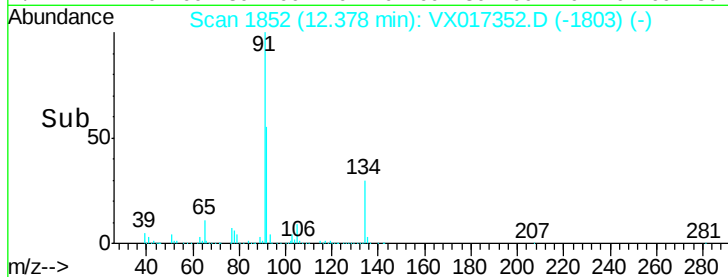
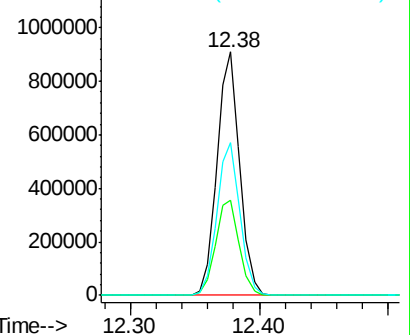
7/14/2020 11:35:53 AM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 148.548 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

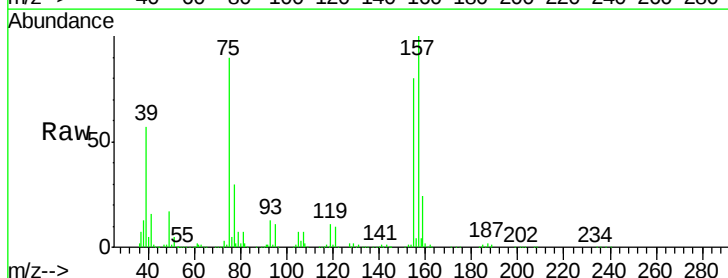
Tgt Ion: 75 Resp: 185435

Ion Ratio Lower Upper

75 100

155 93.3 46.5 139.3

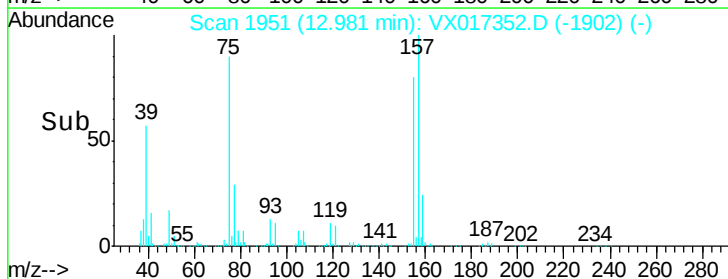
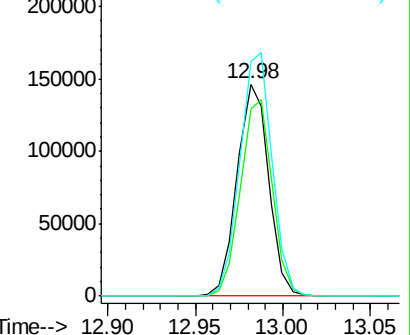
157 117.5 58.0 173.9

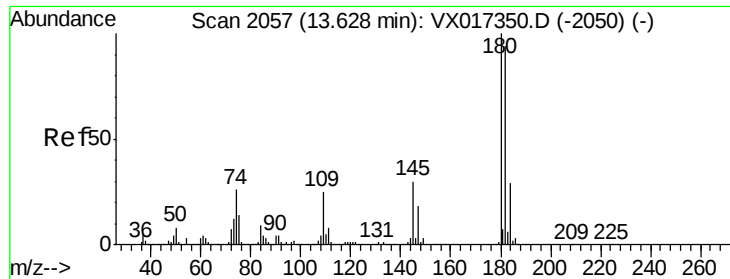


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





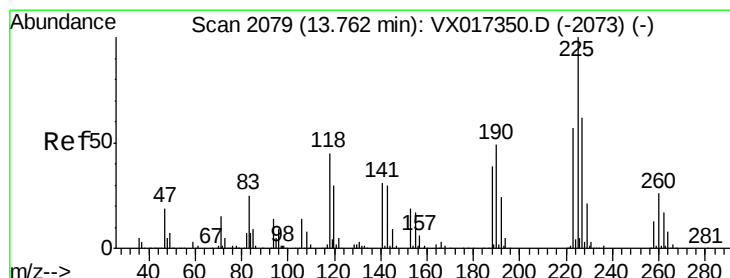
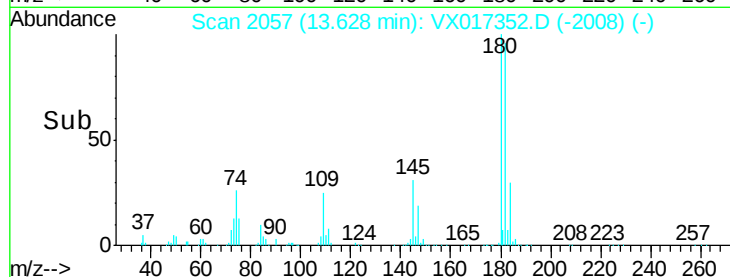
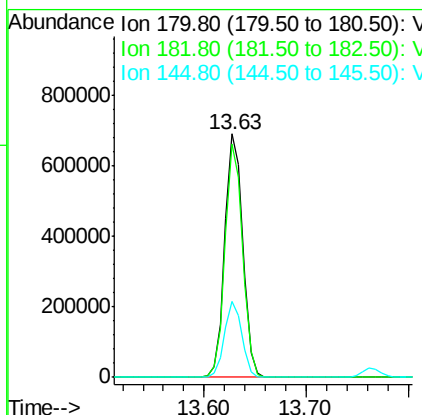
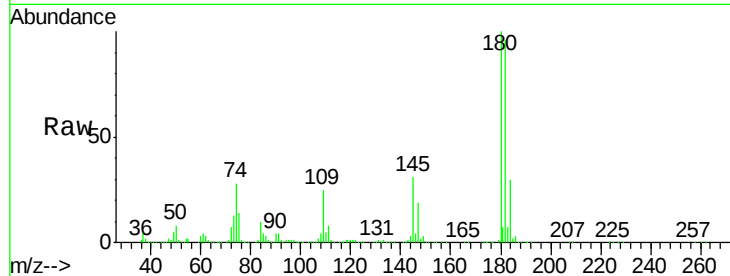
#93
1,2,4-Trichlorobenzene
Concen: 158.770 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	842388		
182	93.8	48.4	145.0	
145	30.4	15.3	45.8	

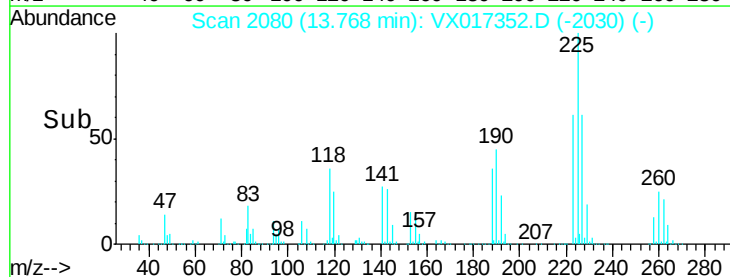
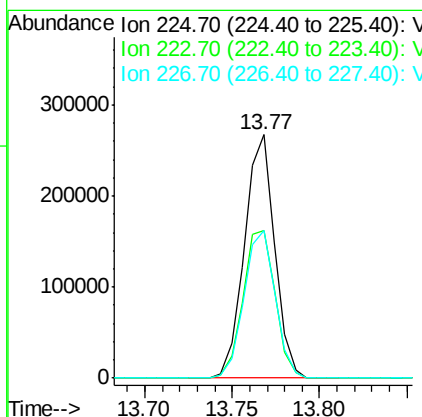
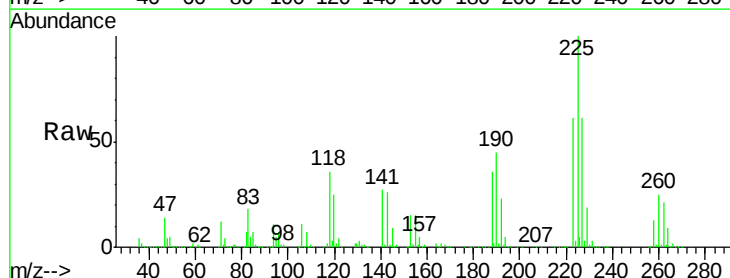
Manual Integrations
APPROVED

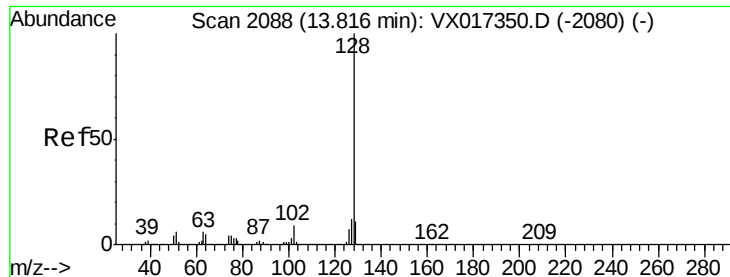
MMDadoda
7/14/2020 11:35:53 AM



#94
Hexachlorobutadiene
Concen: 147.251 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX017352.D
Acq: 13 Jul 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	319513		
223	64.7	31.3	93.8	
227	62.7	31.6	95.0	





#95

Naphthalene

Concen: 162.377 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 2591189

Ion Ratio Lower Upper

128 100

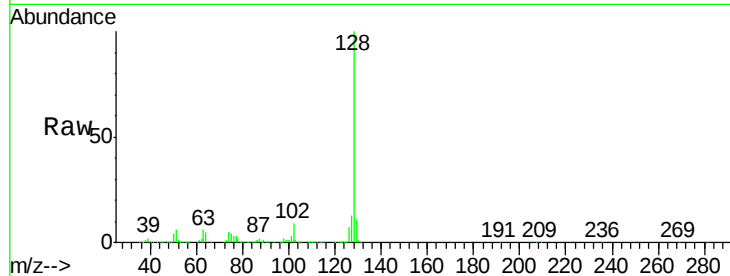
127 12.6 10.2 15.4

129 10.9 8.9 13.3

Manual Integrations
APPROVED

MMDadoda

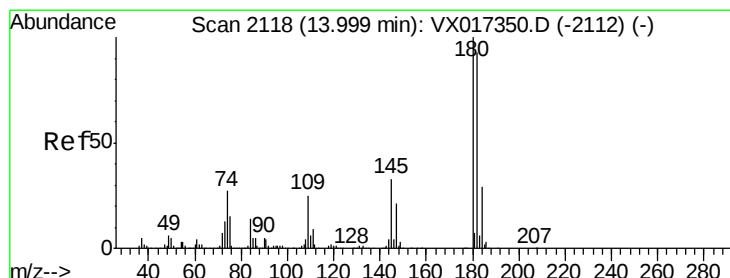
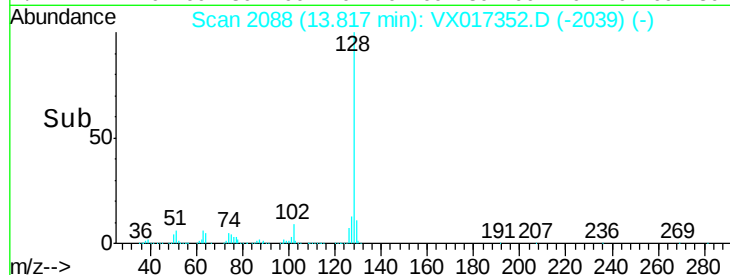
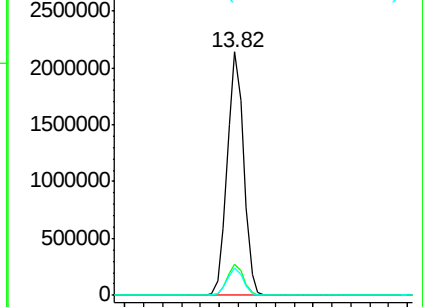
7/14/2020 11:35:53 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 158.545 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX017352.D

Acq: 13 Jul 2020 12:09

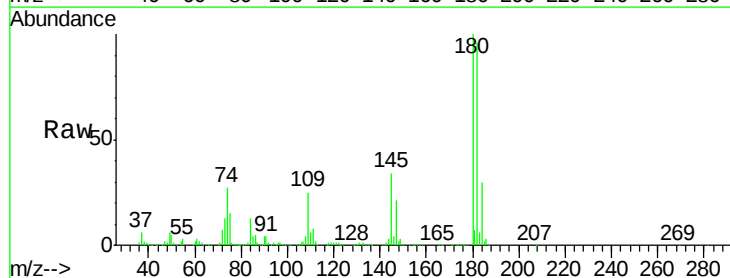
Tgt Ion:180 Resp: 812319

Ion Ratio Lower Upper

180 100

182 93.0 48.8 146.3

145 32.6 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

