

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072320\
 Data File : VX017504.D
 Acq On : 23 Jul 2020 19:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/24/2020 1:01:00 PM

Quant Time: Jul 24 06:47:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	542319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	921488	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	822572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	426762	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	369628	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
35) Dibromofluoromethane	5.46	113	275934	44.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.54%	
50) Toluene-d8	8.70	98	1020422	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
62) 4-Bromofluorobenzene	11.12	95	419108	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.18	85	259514	51.611	ug/l	98
3) Chloromethane	1.31	50	333880	49.808	ug/l	100
4) Vinyl Chloride	1.39	62	330845	48.479	ug/l	98
5) Bromomethane	1.62	94	193978	53.070	ug/l	98
6) Chloroethane	1.71	64	194748	51.778	ug/l	97
7) Trichlorofluoromethane	1.92	101	524380	48.852	ug/l	96
8) Diethyl Ether	2.17	74	179122	51.513	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	281247	47.746	ug/l	97
10) Methyl Iodide	2.49	142	296993	39.410	ug/l	96
11) Tert butyl alcohol	3.02	59	379103	258.207	ug/l	99
12) 1,1-Dichloroethene	2.36	96	279759	49.943	ug/l	97
13) Acrolein	2.28	56	263024	234.896	ug/l	99
14) Allyl chloride	2.70	41	462875	45.254	ug/l	99
15) Acrylonitrile	3.12	53	770275	242.900	ug/l	100
16) Acetone	2.42	43	723854	236.081	ug/l	99
17) Carbon Disulfide	2.55	76	738153	43.354	ug/l	99
18) Methyl Acetate	2.75	43	334100	46.267	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	904788	46.667	ug/l	99
20) Methylene Chloride	2.84	84	284919	49.322	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	280518	46.746	ug/l	97
22) Diisopropyl ether	3.83	45	913282	48.833	ug/l	96
23) Vinyl Acetate	3.79	43	4252524	255.020	ug/l	99
24) 1,1-Dichloroethane	3.67	63	530151	49.209	ug/l	99
25) 2-Butanone	4.64	43	1174377	269.615	ug/l	98
26) 2,2-Dichloropropane	4.55	77	456898	47.378	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	338990	52.009	ug/l	99
28) Bromochloromethane	4.98	49	222261	45.526	ug/l	95
29) Tetrahydrofuran	5.09	42	714379	264.775	ug/l	99
30) Chloroform	5.18	83	546970	49.688	ug/l	100
31) Cyclohexane	5.55	56	419826	48.867	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	517509	49.854	ug/l	99
36) 1,1-Dichloropropene	5.77	75	392373	44.397	ug/l	99
37) Ethyl Acetate	4.80	43	444282	45.944	ug/l	99
38) Carbon Tetrachloride	5.76	117	478303	44.566	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	476847	46.219	ug/l	98
40) Benzene	6.12	78	1142394	45.086	ug/l	97
41) Methacrylonitrile	5.01	41	245612	44.312	ug/l	99
42) 1,2-Dichloroethane	6.17	62	470311	45.371	ug/l	99
43) Isopropyl Acetate	6.42	43	754165	47.268	ug/l	100
44) Trichloroethene	7.19	130	361774	48.857	ug/l	99
45) 1,2-Dichloropropane	7.49	63	332793	47.379	ug/l	99
46) Dibromomethane	7.64	93	235287	47.399	ug/l	100
47) Bromodichloromethane	7.88	83	487236	48.781	ug/l	97
48) Methyl methacrylate	7.75	41	399906	50.565	ug/l	99
49) 1,4-Dioxane	7.71	88	170632	1125.324	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	2290974	240.656	ug/l	99
52) Toluene	8.76	92	747136	45.979	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	487458	43.597	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	523801	45.929	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	303741	44.871	ug/l	99
56) Ethyl methacrylate	9.16	69	461852	45.287	ug/l	99
57) 1,3-Dichloropropane	9.35	76	492848	44.216	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	1246913	232.073	ug/l	100
59) 2-Hexanone	9.48	43	1663680	232.122	ug/l	98
60) Dibromochloromethane	9.57	129	378340	43.974	ug/l	100
61) 1,2-Dibromoethane	9.65	107	325356	45.145	ug/l	100
64) Tetrachloroethene	9.32	164	320906	43.467	ug/l	96
65) Chlorobenzene	10.12	112	823788	46.268	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	331916	46.191	ug/l	100
67) Ethyl Benzene	10.24	91	1502943	50.569	ug/l	99
68) m/p-Xylenes	10.34	106	1069306	92.872	ug/l	97
69) o-Xylene	10.68	106	511997	46.235	ug/l	97
70) Styrene	10.70	104	900052	47.771	ug/l	99
71) Bromoform	10.84	173	286805	46.069	ug/l #	99
73) Isopropylbenzene	11.00	105	1435916	49.046	ug/l	100
74) N-amyl acetate	10.88	43	641835	49.342	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	414513	45.360	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	404234m	46.047	ug/l	
77) Bromobenzene	11.24	156	386608	47.170	ug/l	99
78) n-propylbenzene	11.35	91	1667426	50.498	ug/l	100
79) 2-Chlorotoluene	11.40	91	971936	47.518	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	1255345	50.221	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.05	75	166054	47.663	ug/l	96
82) 4-Chlorotoluene	11.49	91	1161494	48.139	ug/l	100
83) tert-Butylbenzene	11.76	119	1192751	49.868	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	1226117	49.317	ug/l	99
85) sec-Butylbenzene	11.93	105	1400581	50.267	ug/l	99
86) p-Isopropyltoluene	12.05	119	1316086	49.600	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	689603	48.996	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	668753	45.872	ug/l	100
89) n-Butylbenzene	12.37	91	1111558	47.013	ug/l	99
90) Hexachloroethane	12.58	117	248837	47.568	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	642856	46.473	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	110748	43.222	ug/l	99

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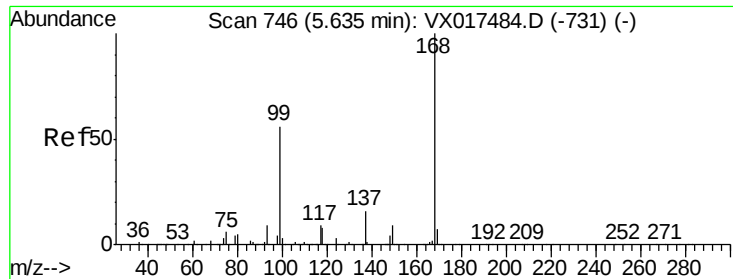
Manual Integrations
APPROVED

MMDadoda
7/24/2020 1:01:00 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	449750	47.639	ug/l	100
94) Hexachlorobutadiene	13.77	225	197116	45.358	ug/l	98
95) Naphthalene	13.82	128	1437059	50.991	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	456351	48.955	ug/l	99

(#) = 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. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 542319

Ion Ratio Lower Upper

168 100

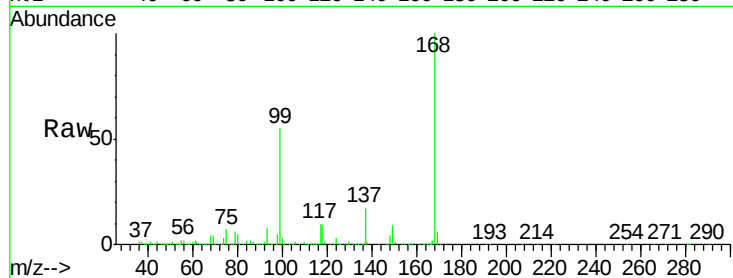
99 54.9 43.4 65.2

Manual Integrations

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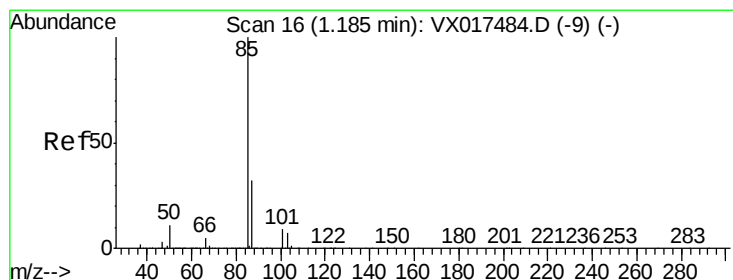
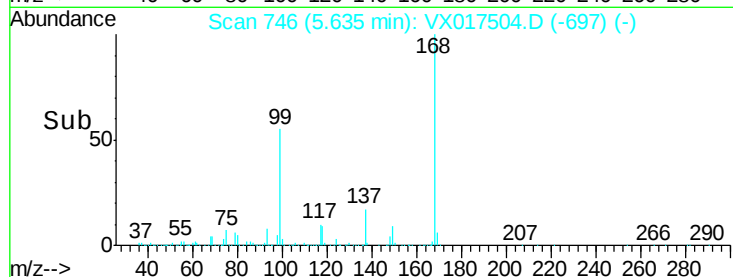
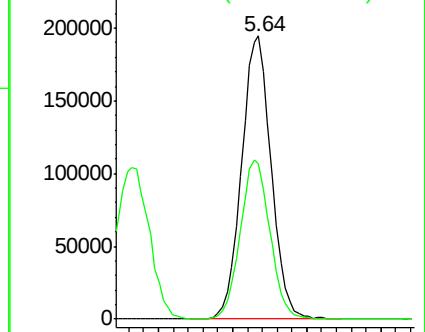
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 51.611 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017504.D

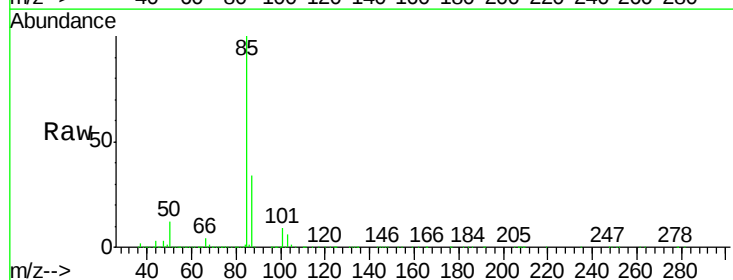
Acq: 23 Jul 2020 19:47

Tgt Ion: 85 Resp: 259514

Ion Ratio Lower Upper

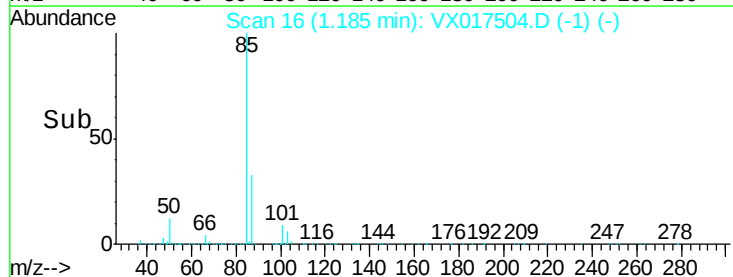
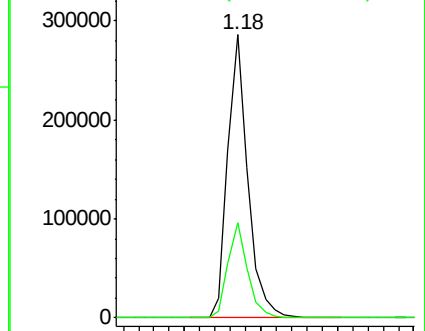
85 100

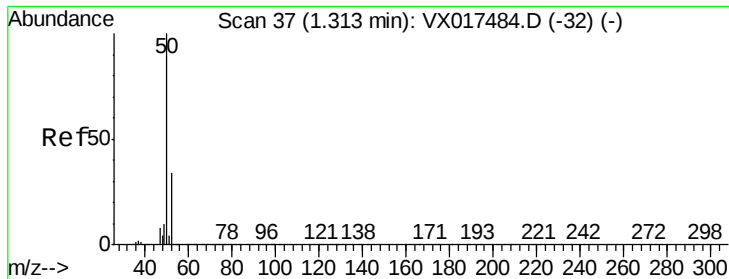
87 33.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 49.808 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 50 Resp: 333880

Ion Ratio Lower Upper

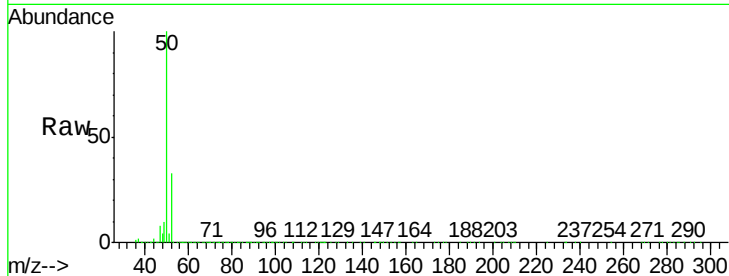
50 100

52 32.6 25.9 38.9

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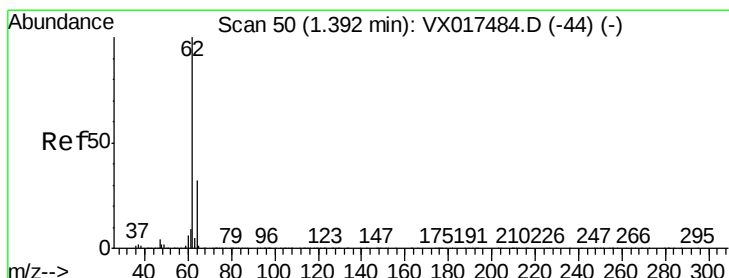
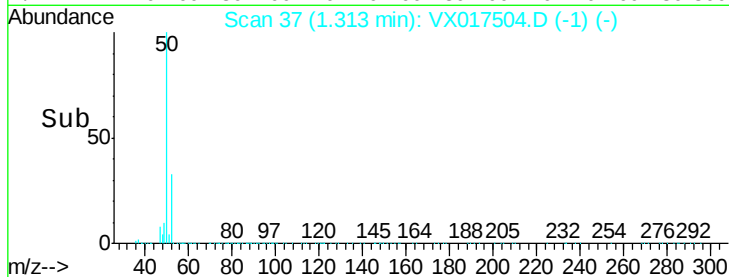
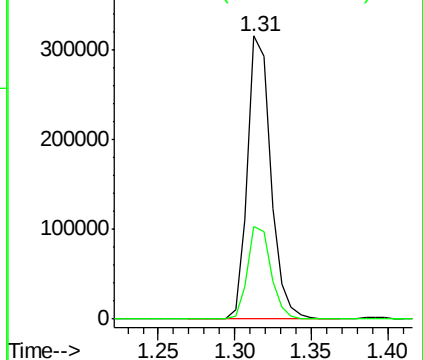
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.479 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017504.D

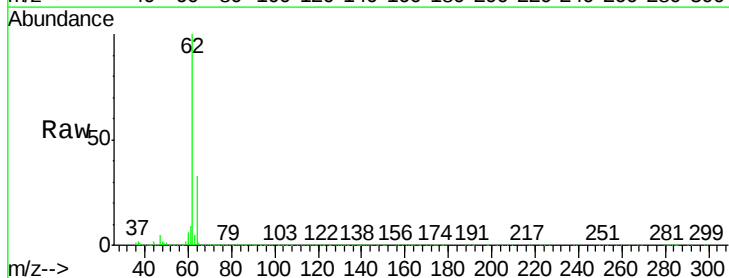
Acq: 23 Jul 2020 19:47

Tgt Ion: 62 Resp: 330845

Ion Ratio Lower Upper

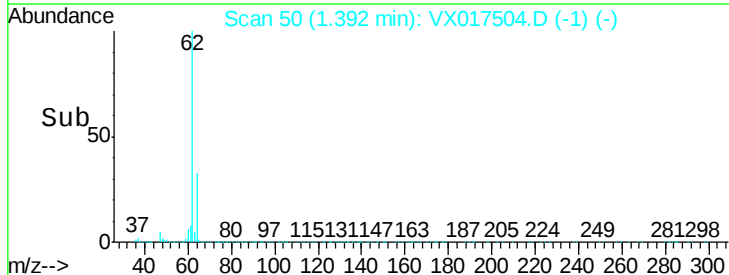
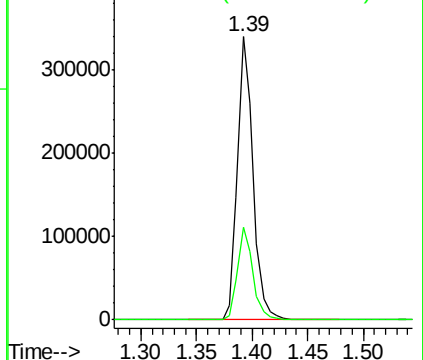
62 100

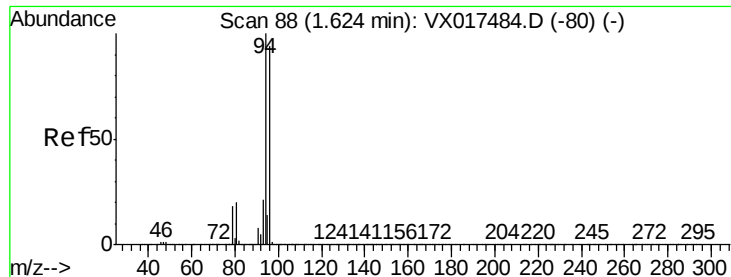
64 32.6 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 53.070 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 193978

Ion Ratio Lower Upper

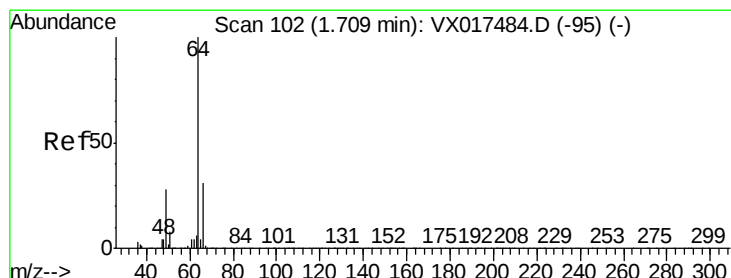
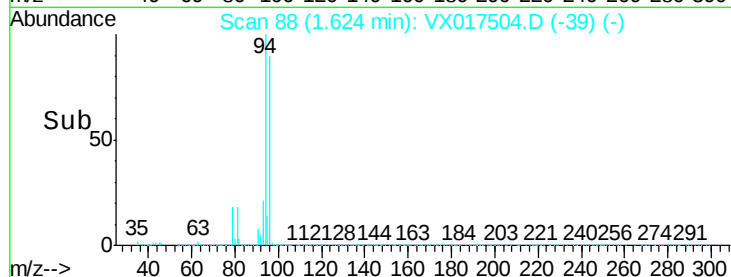
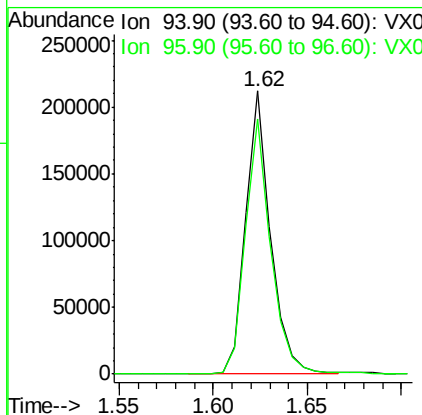
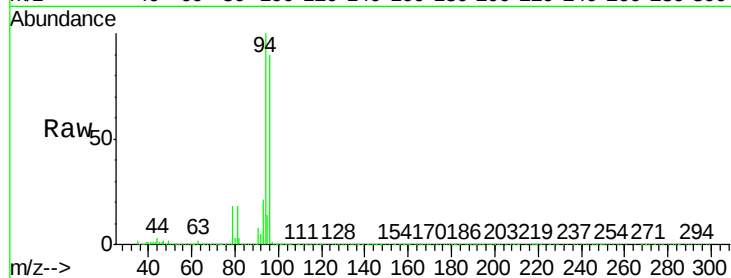
94 100

96 90.2 74.1 111.1

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#6

Chloroethane

Concen: 51.778 ug/l

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX017504.D

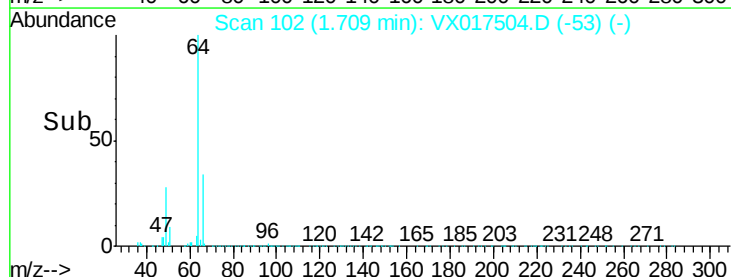
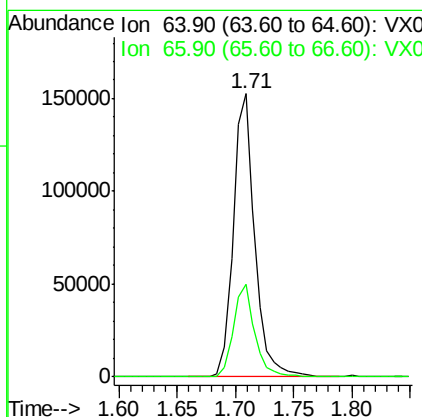
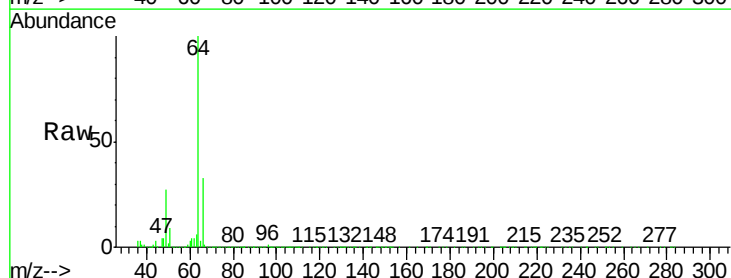
Acq: 23 Jul 2020 19:47

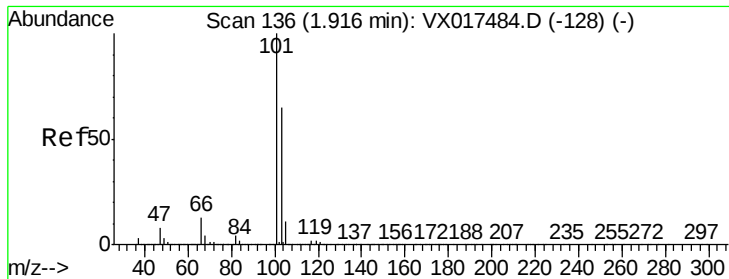
Tgt Ion: 64 Resp: 194748

Ion Ratio Lower Upper

64 100

66 32.5 24.9 37.3





#7

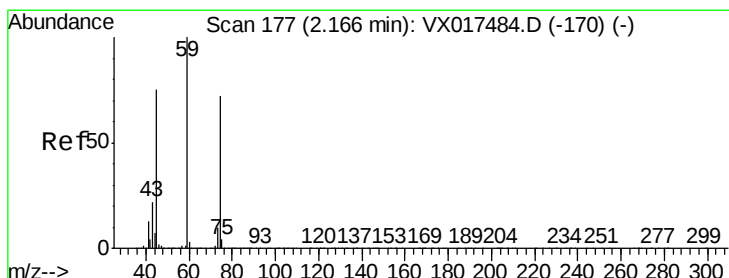
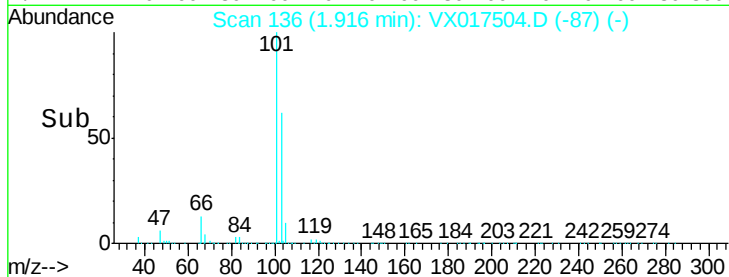
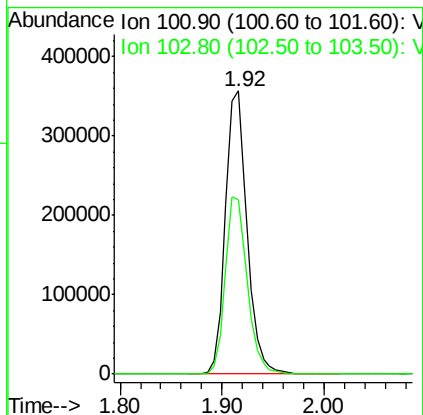
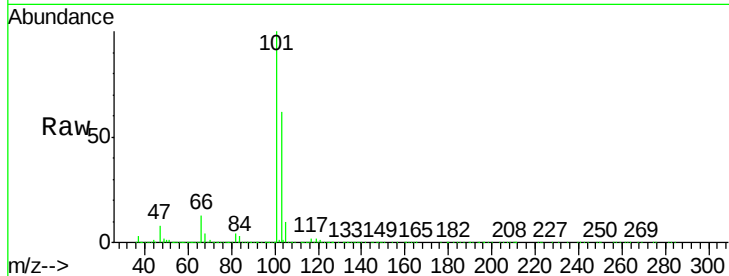
Trichlorofluoromethane
Concen: 48.852 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	51.8	77.8

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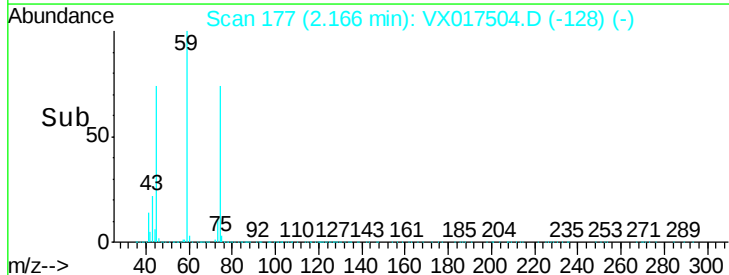
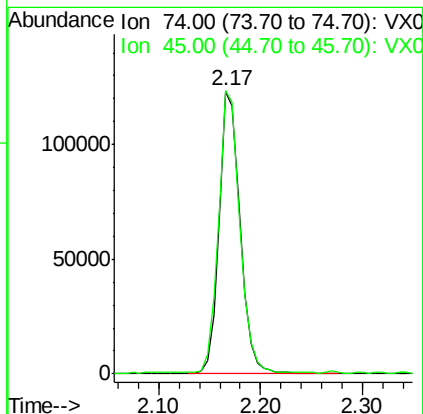
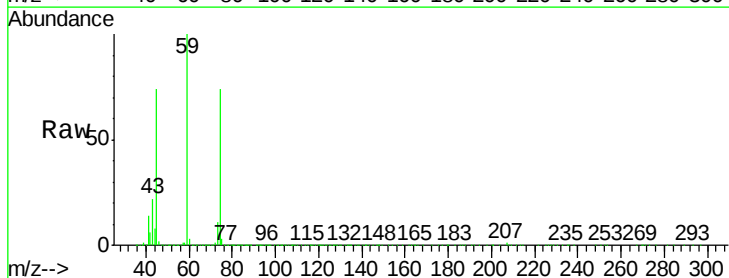
MMDadoda
7/24/2020 1:01:00 PM

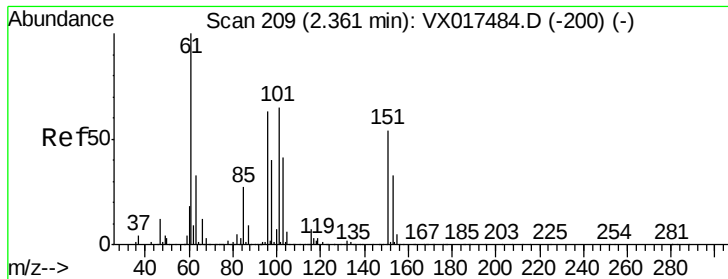


#8

Diethyl Ether
Concen: 51.513 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.6	50.8	152.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.746 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_X

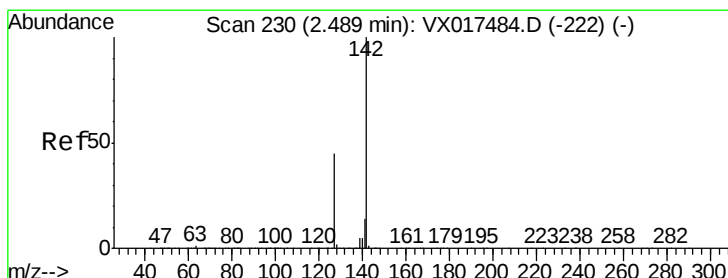
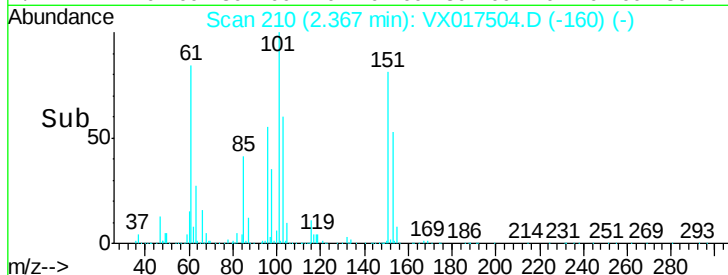
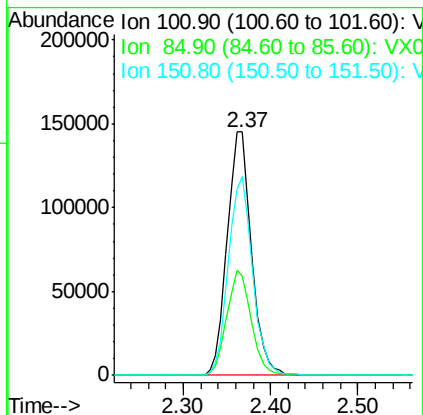
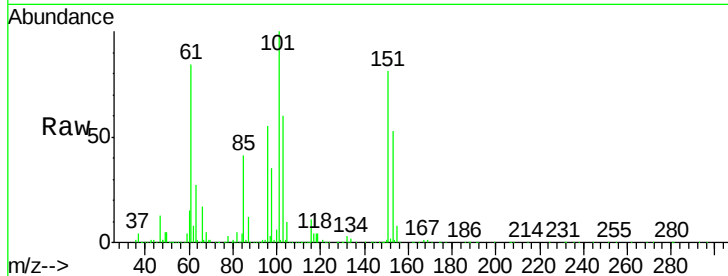
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	281247
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.8	52.2
151	81.3	68.0	102.0

Manual Integrations
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#10

Methyl Iodide

Concen: 39.410 ug/l

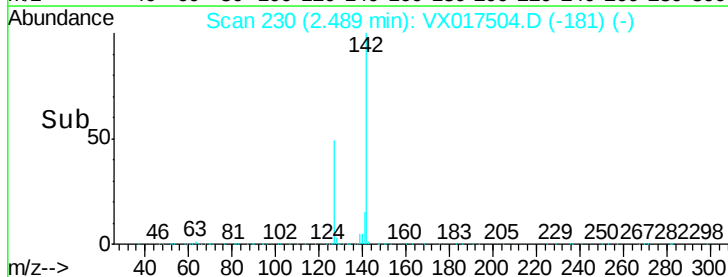
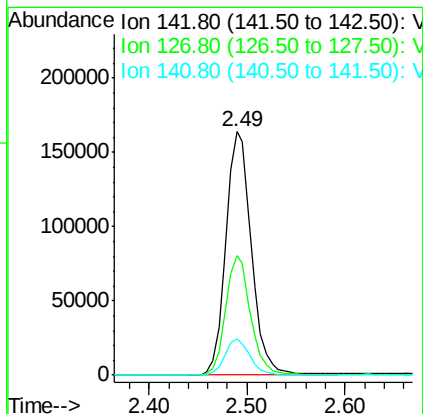
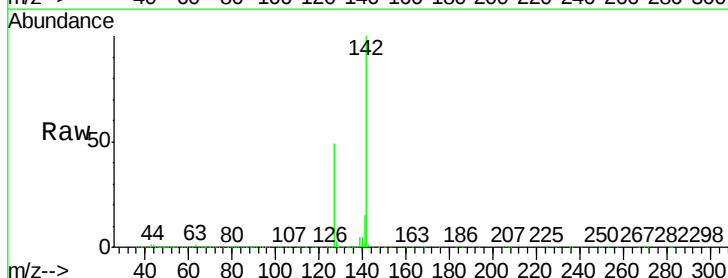
RT: 2.49 min Scan# 230

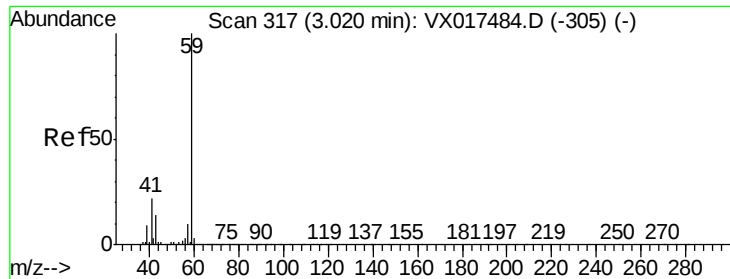
Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Tgt Ion:	142	Resp:	296993
Ion Ratio	Lower	Upper	
142	100		
127	48.1	35.9	53.9
141	14.7	11.4	17.0





#11

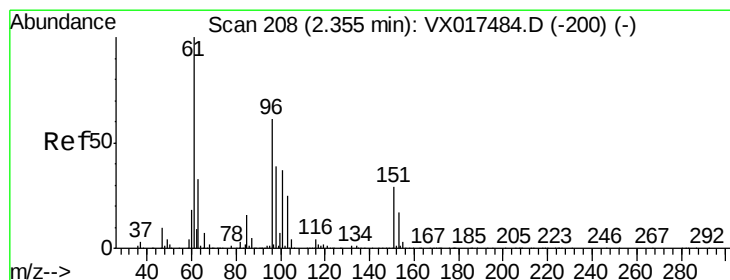
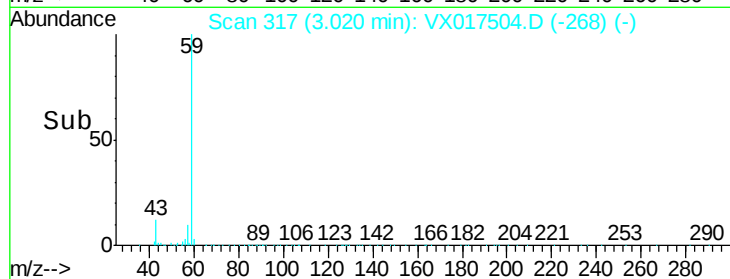
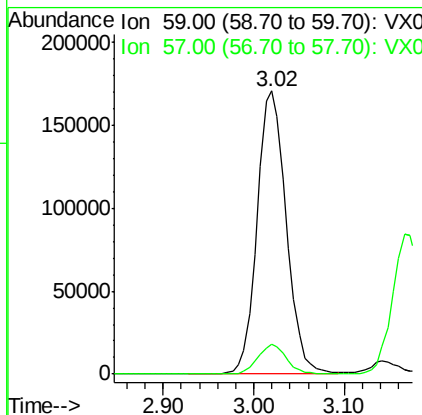
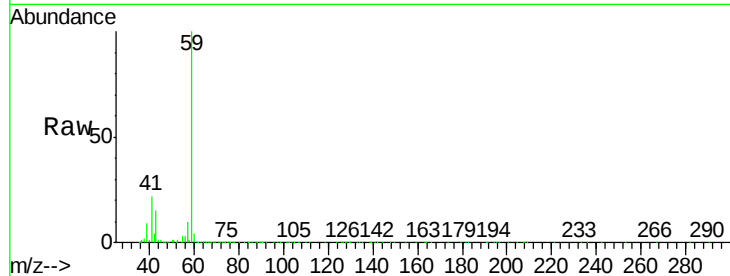
Tert butyl alcohol
 Concen: 258.207 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VX017504.D
 Acq: 23 Jul 2020 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	12.8

Manual Integrations
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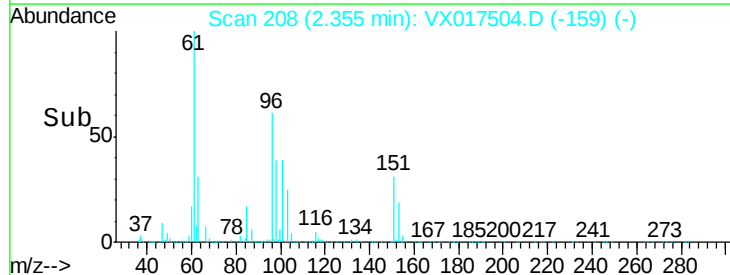
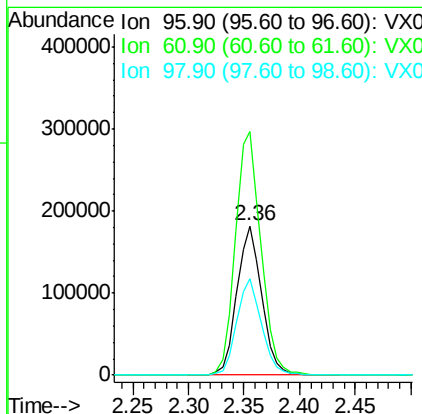
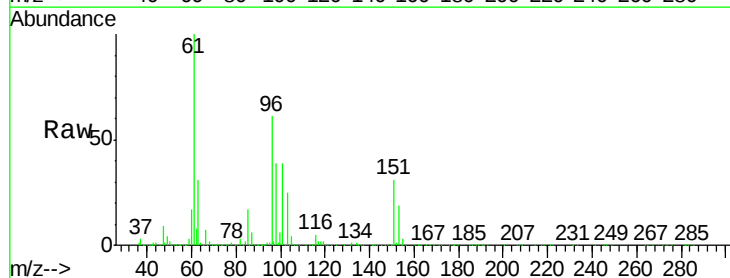
MMDadoda
 7/24/2020 1:01:00 PM

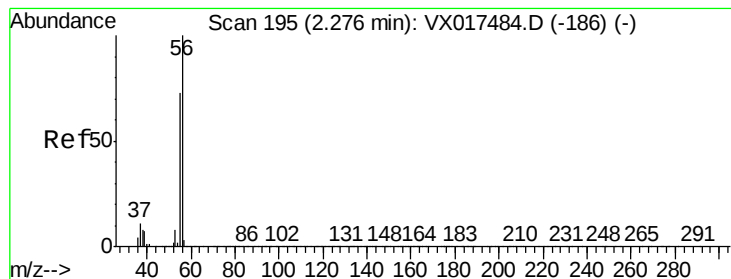


#12

1,1-Dichloroethene
 Concen: 49.943 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX017504.D
 Acq: 23 Jul 2020 19:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.0	134.0	201.0
98	64.2	51.0	76.4





#13

Acrolein

Concen: 234.896 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 263024

Ion Ratio Lower Upper

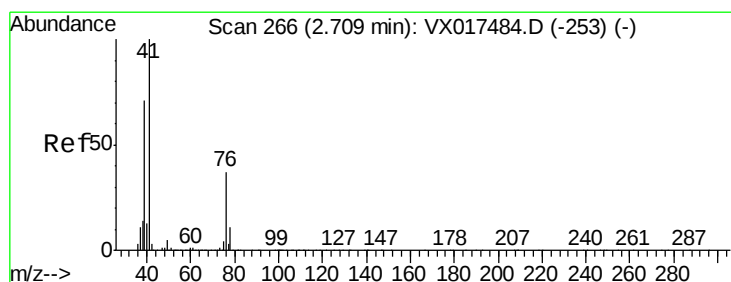
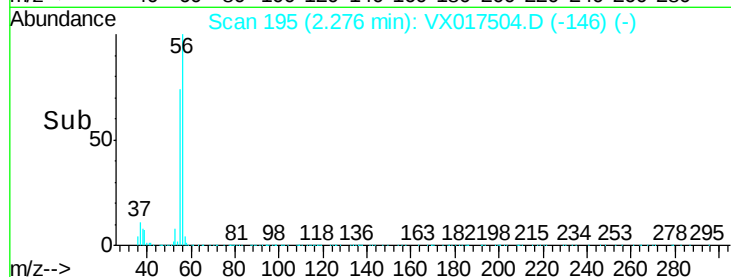
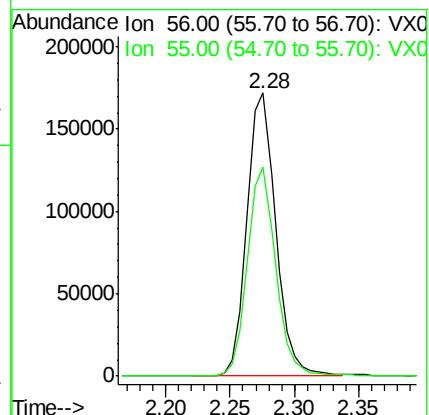
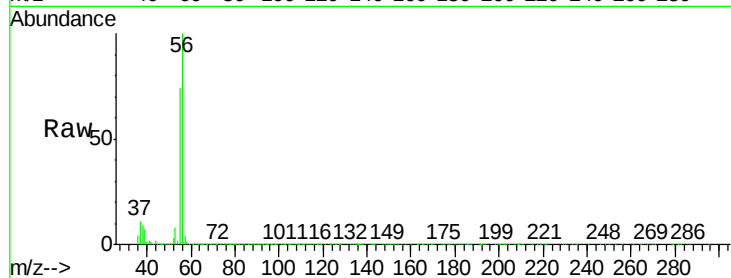
56 100

55 72.6 57.4 86.2

Manual Integrations
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#14

Allyl chloride

Concen: 45.254 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

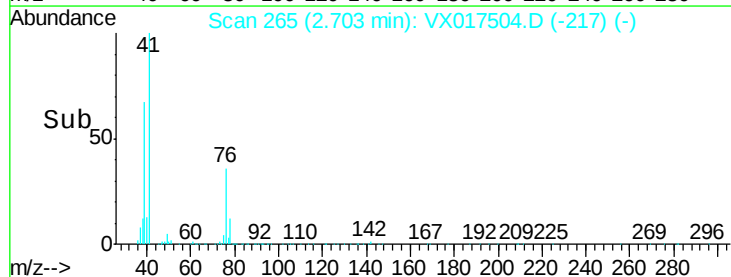
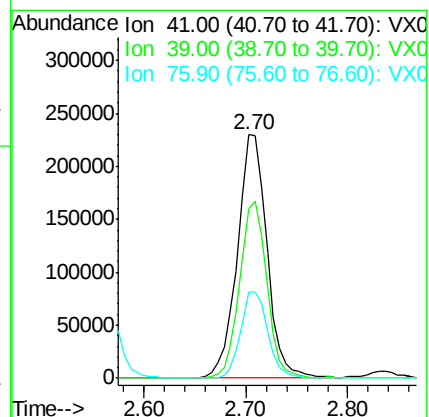
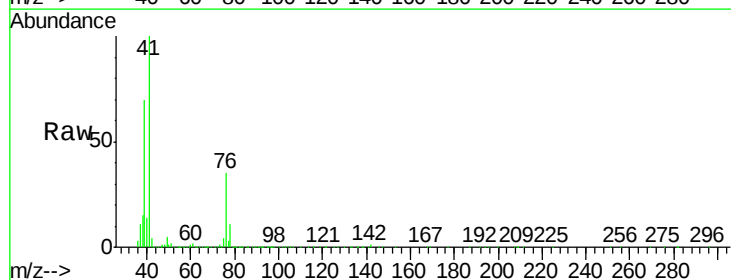
Tgt Ion: 41 Resp: 462875

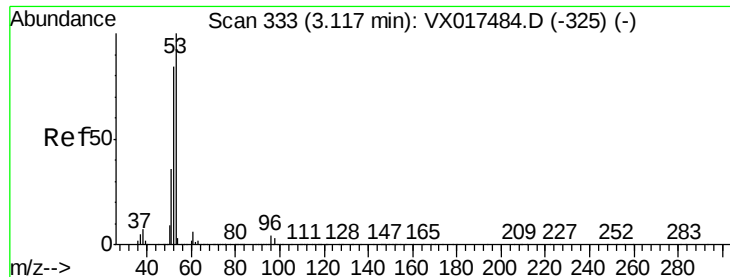
Ion Ratio Lower Upper

41 100

39 66.3 51.9 77.9

76 32.0 25.5 38.3





#15

Acrylonitrile

Concen: 242.900 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_X

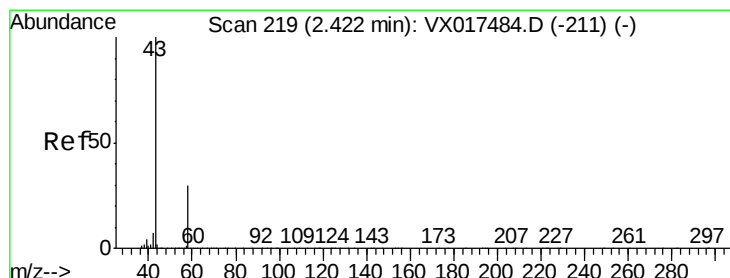
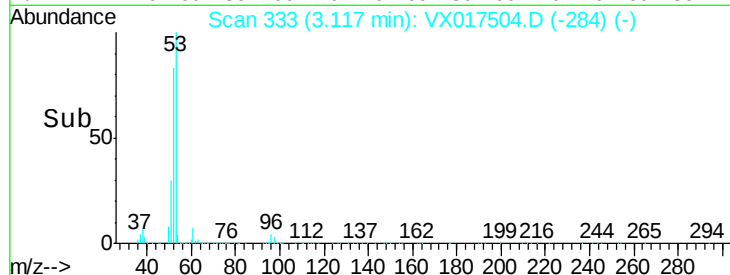
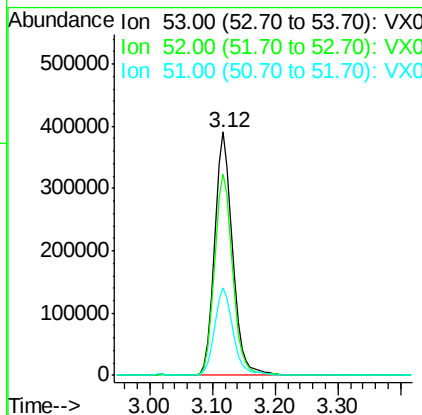
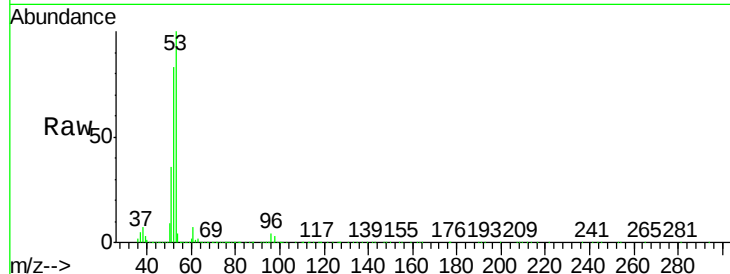
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	770275
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.6	99.8
51	37.1	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 236.081 ug/l

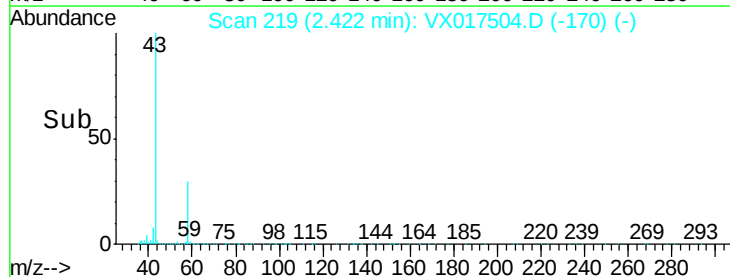
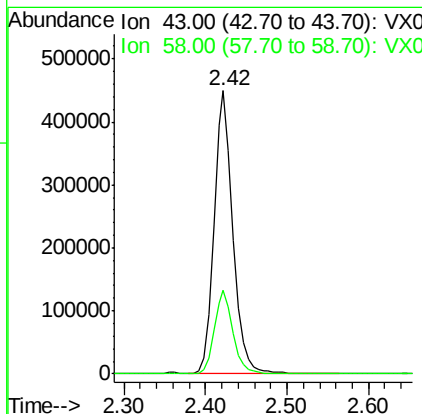
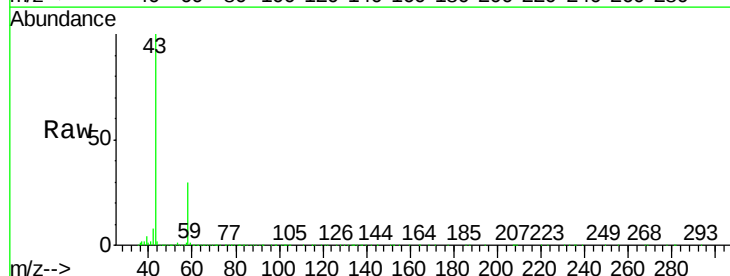
RT: 2.42 min Scan# 219

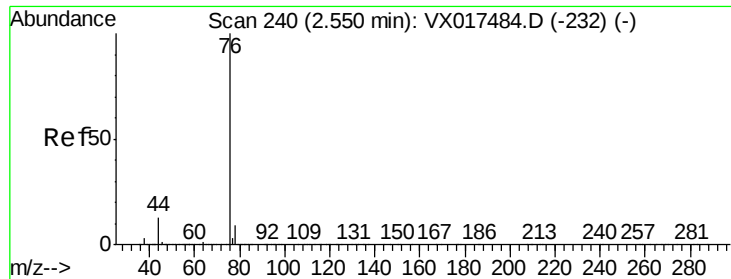
Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Tgt Ion:	43	Resp:	723854
Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.2	36.4





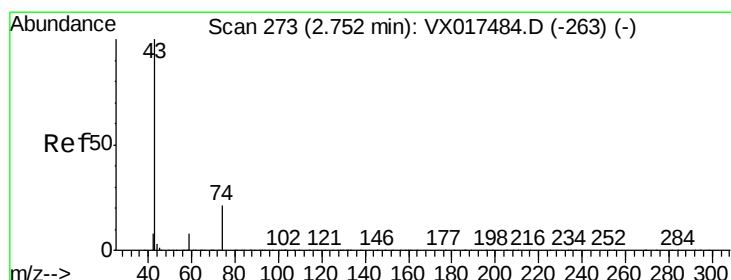
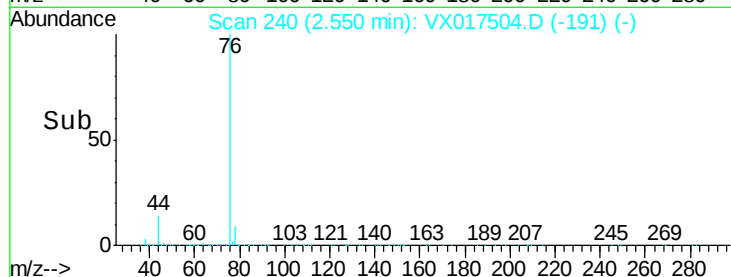
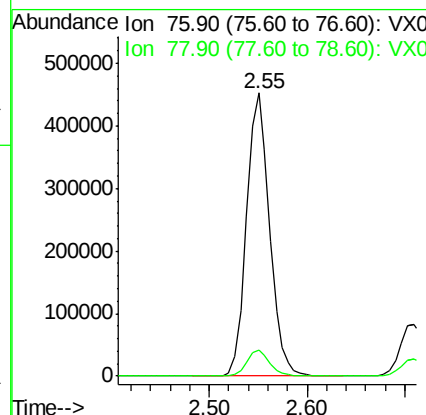
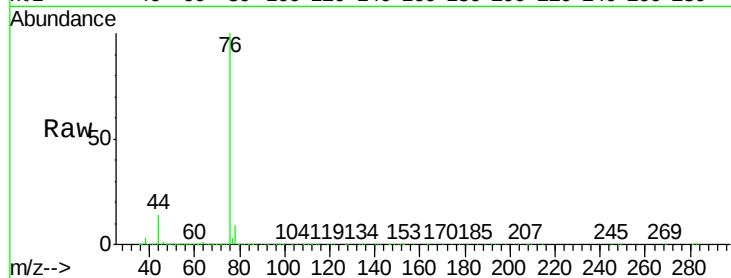
#17
Carbon Disulfide
Concen: 43.354 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.5	11.3

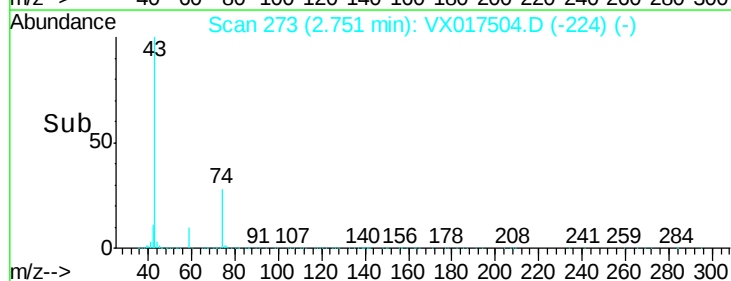
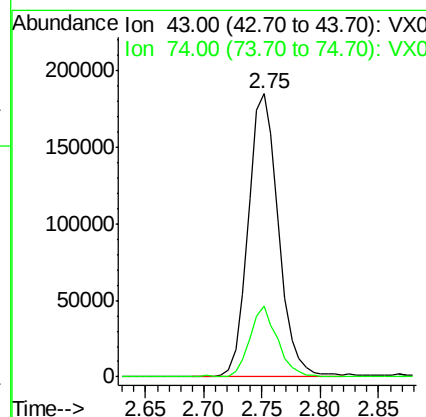
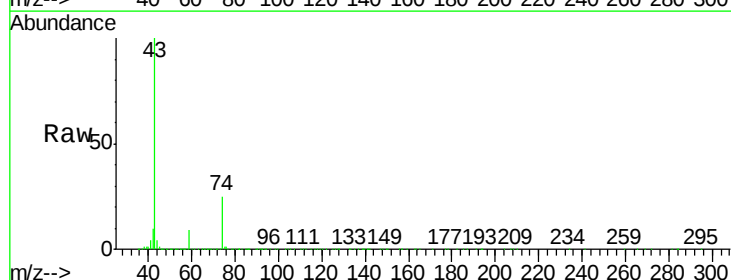
Manual Integrations
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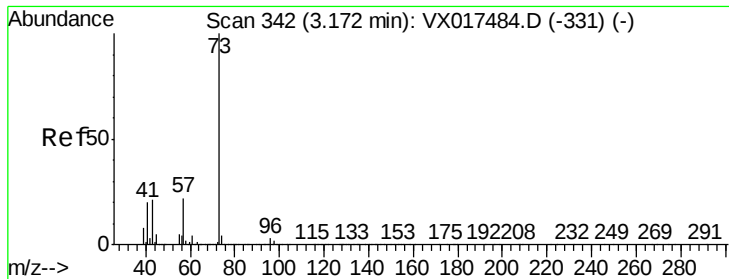
MMDadoda
7/24/2020 1:01:00 PM



#18
Methyl Acetate
Concen: 46.267 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.5	26.3





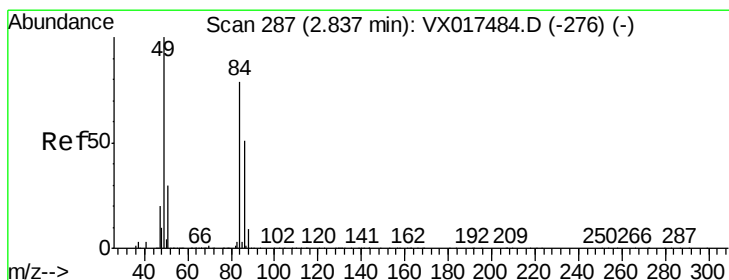
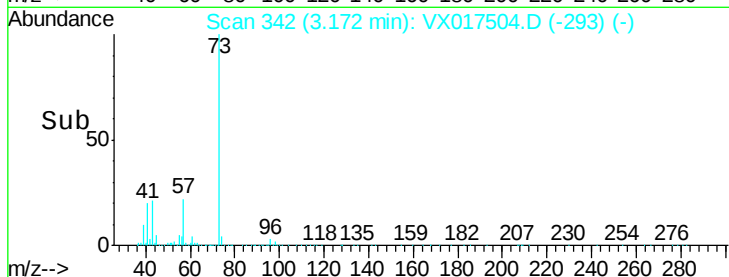
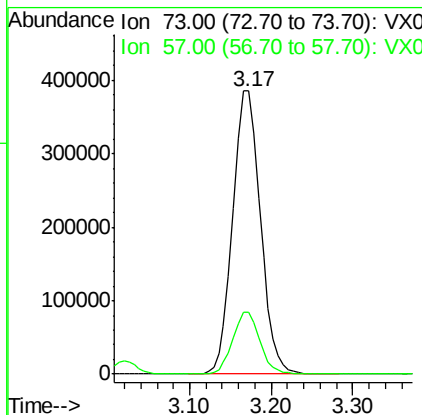
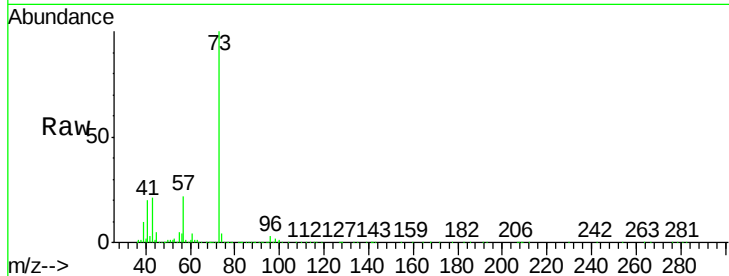
#19
Methvl tert-butvl Ether
Concen: 46.667 ug/l
RT: 3.17 min Scan# 342
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 904788
Ion Ratio Lower Upper
73 100
57 21.7 17.0 25.4

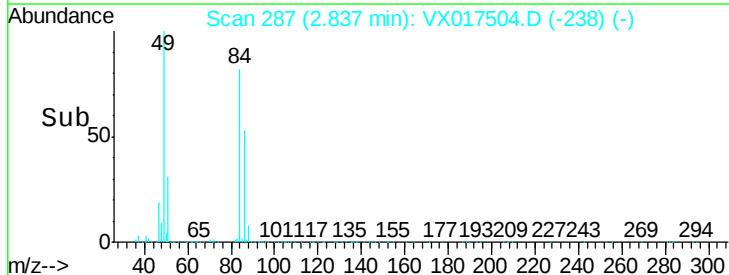
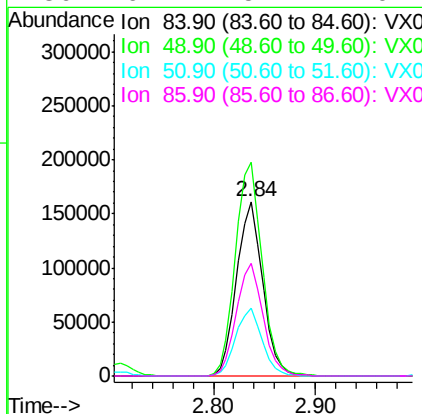
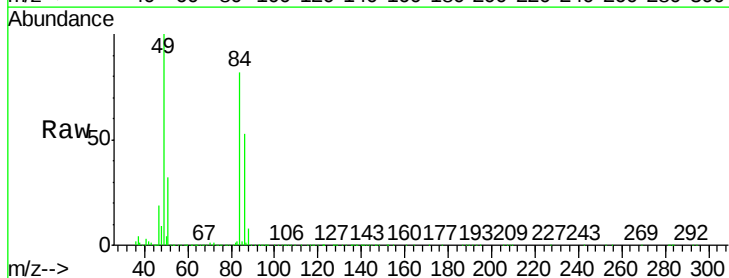
Manual Integrations
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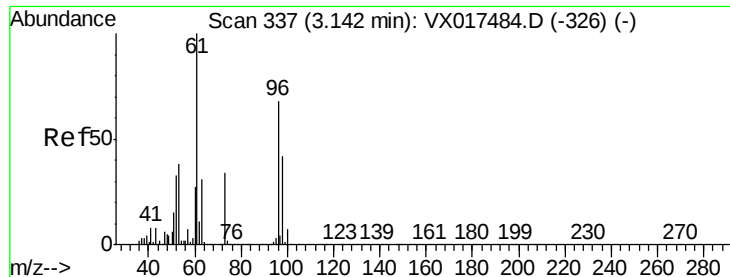
MMDadoda
7/24/2020 1:01:00 PM



#20
Methylene Chloride
Concen: 49.322 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Tgt Ion: 84 Resp: 284919
Ion Ratio Lower Upper
84 100
49 122.2 100.3 150.5
51 38.5 30.5 45.7
86 64.7 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 46.746 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 280518

Ion Ratio Lower Upper

96 100

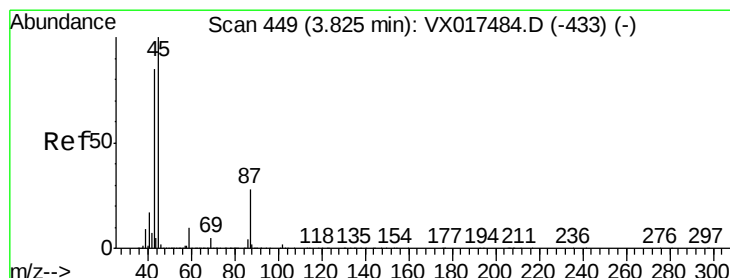
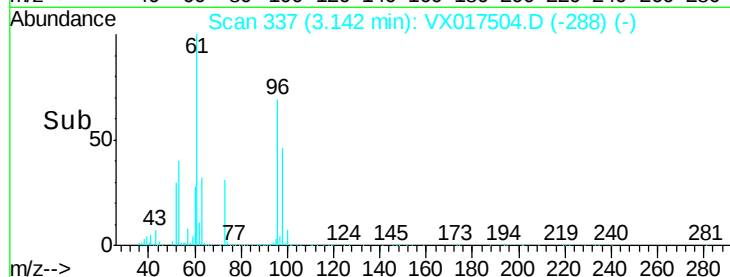
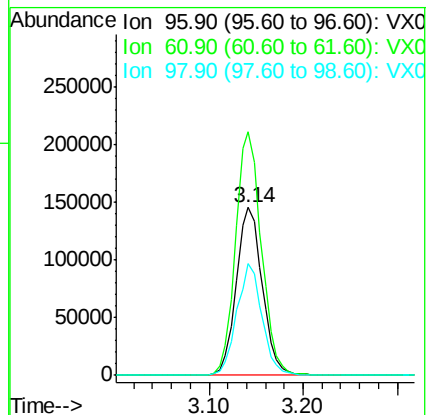
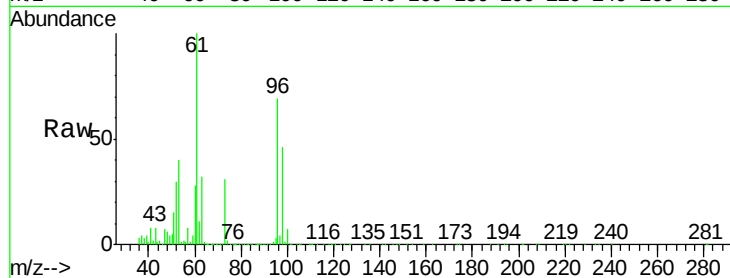
61 145.1 113.0 169.4

98 66.2 51.8 77.8

Manual Integrations
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MMDadoda

7/24/2020 1:01:00 PM



#22

Diisopropyl ether

Concen: 48.833 ug/l

RT: 3.83 min Scan# 450

Delta R.T. 0.01 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Tgt Ion: 45 Resp: 913282

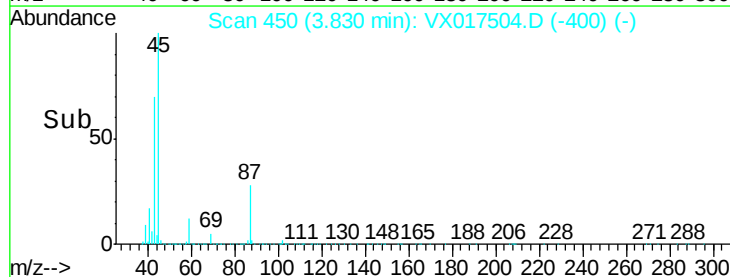
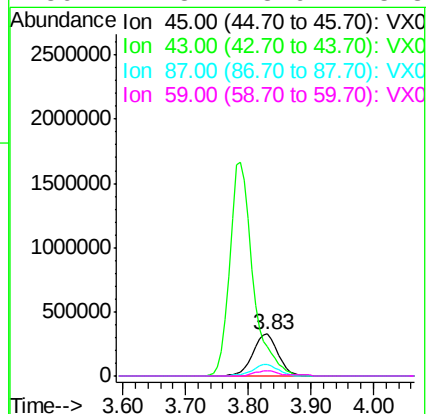
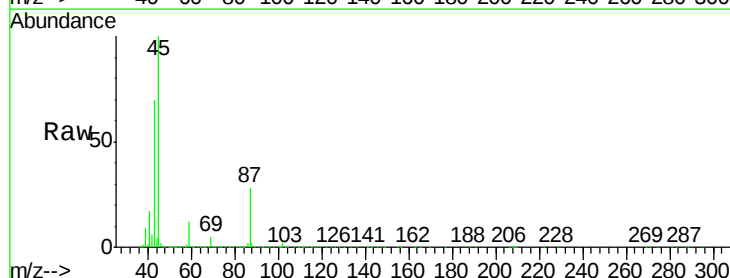
Ion Ratio Lower Upper

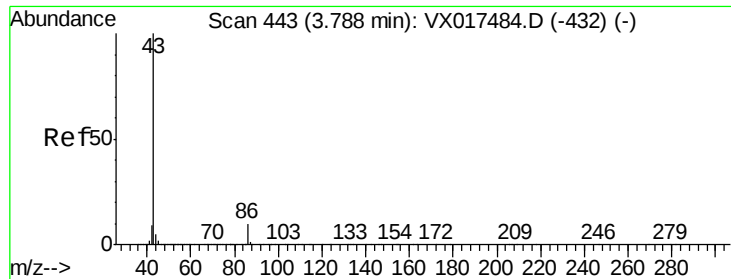
45 100

43 69.6 52.0 78.0

87 27.6 22.2 33.4

59 11.8 8.9 13.3





#23

Vinyl Acetate

Concen: 255.020 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 4252524

Ion Ratio Lower Upper

43 100

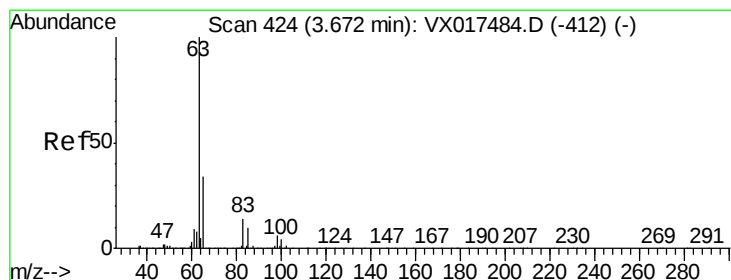
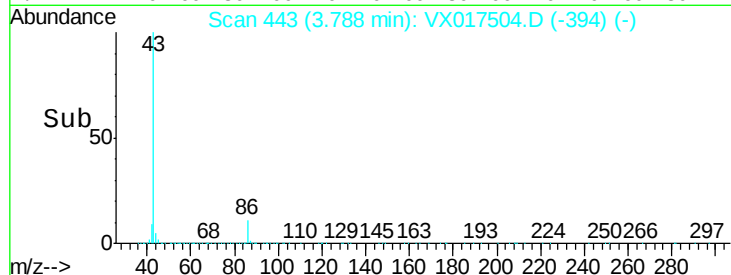
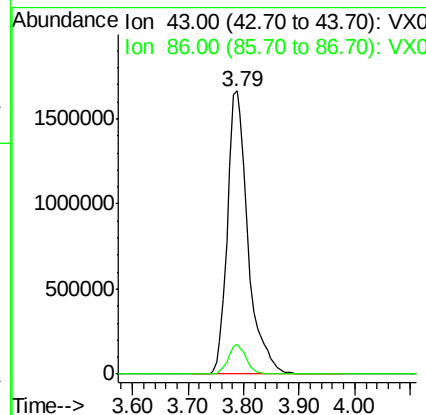
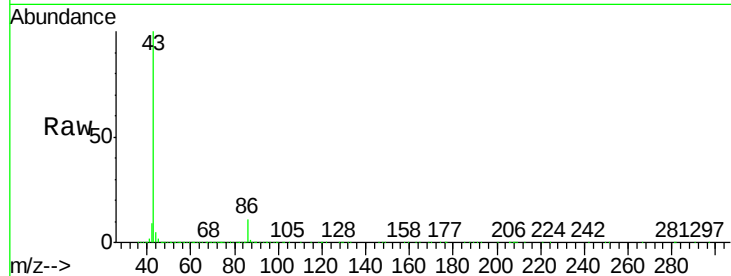
86 10.6 8.2 12.4

Manual Integrations

APPROVED

MMDadoda

7/24/2020 1:01:00 PM



#24

1,1-Dichloroethane

Concen: 49.209 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

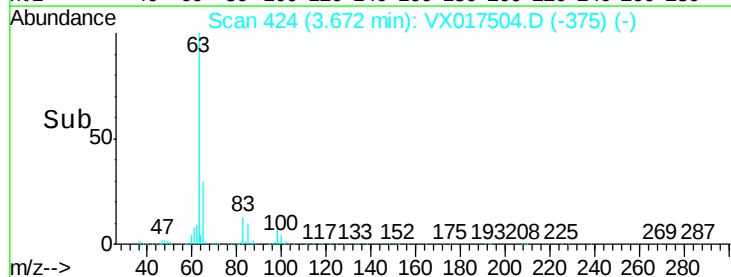
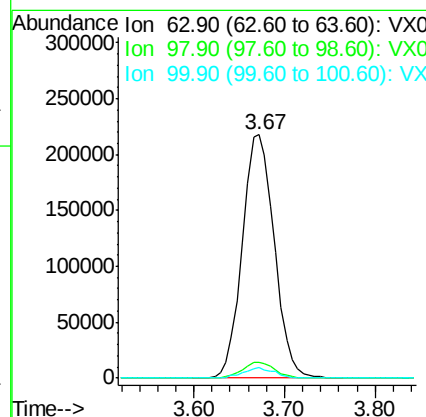
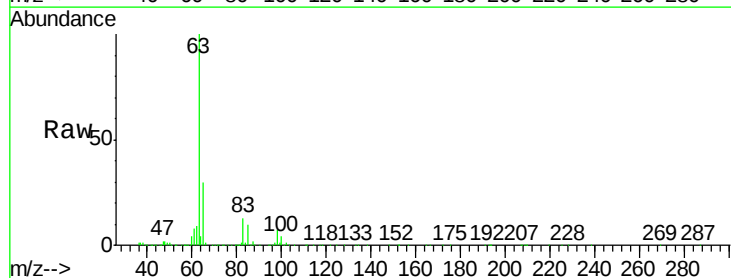
Tgt Ion: 63 Resp: 530151

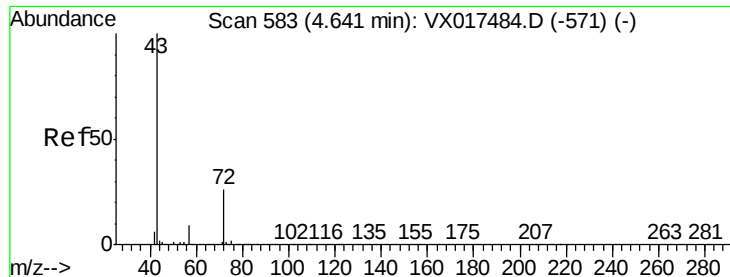
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

100 4.4 1.9 5.7





#25

2-Butanone

Concen: 269.615 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Tot Ion: 43 Resp: 1174377

Ion Ratio Lower Upper

43 100

72 24.5 19.0 28.4

Instrument :

MSVOA_X

ClientSampleId :

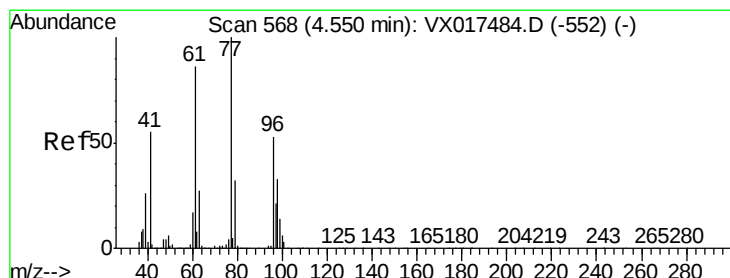
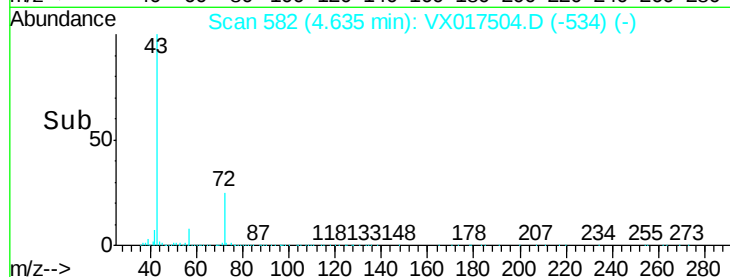
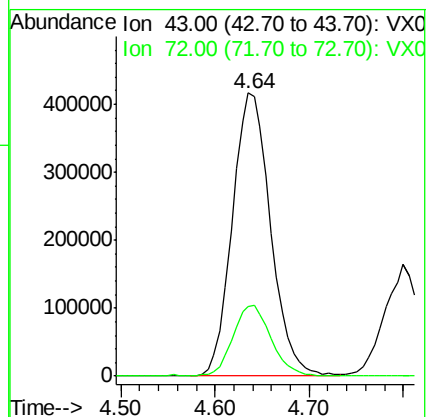
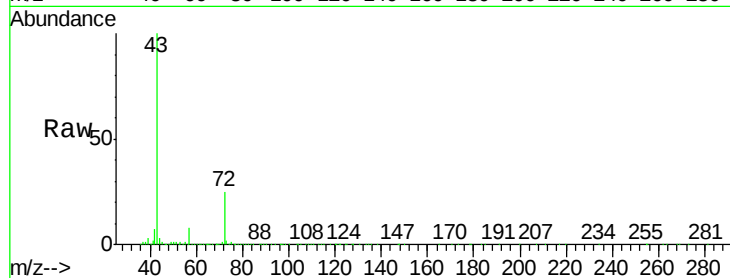
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

7/24/2020 1:01:00 PM



#26

2,2-Dichloropropane

Concen: 47.378 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX017504.D

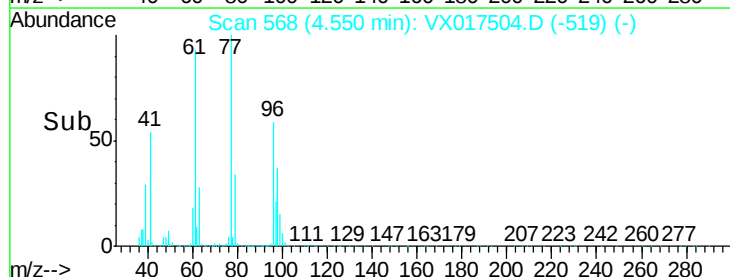
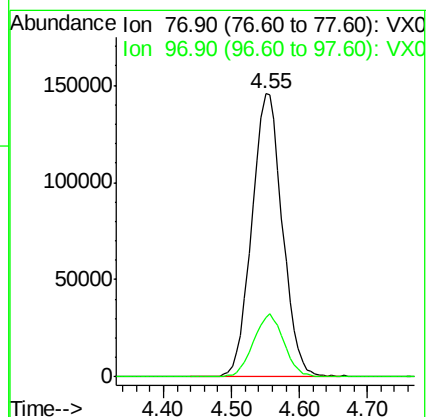
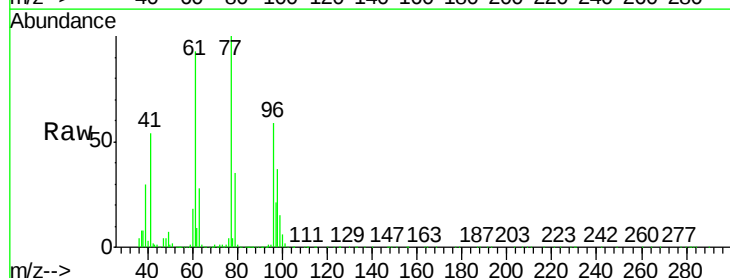
Acq: 23 Jul 2020 19:47

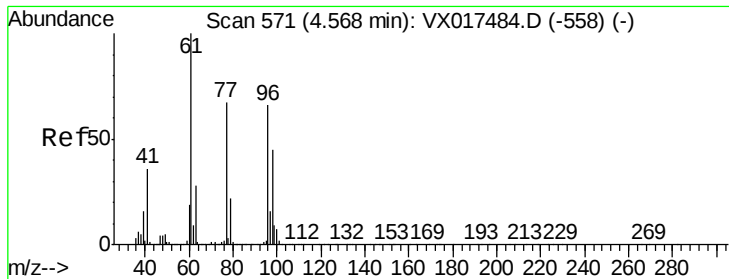
Tgt Ion: 77 Resp: 456898

Ion Ratio Lower Upper

77 100

97 22.1 10.9 32.9





#27

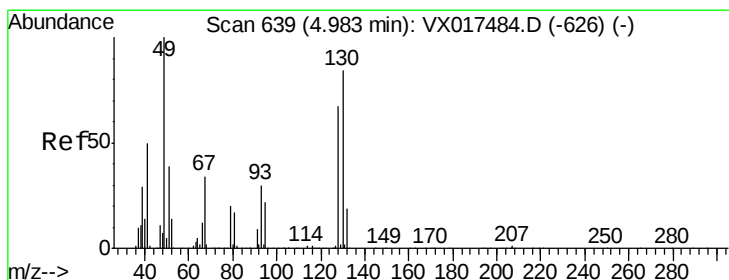
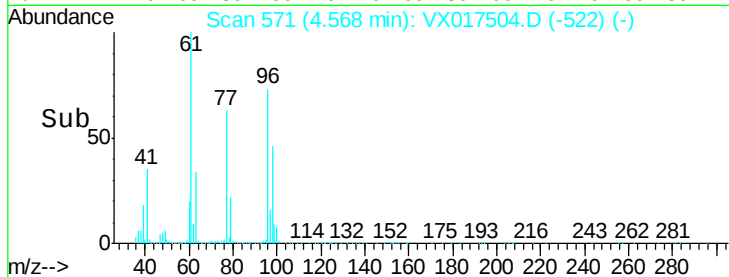
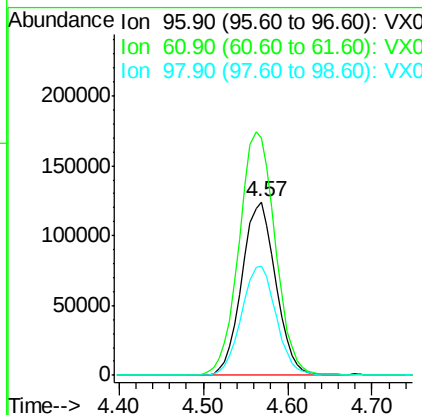
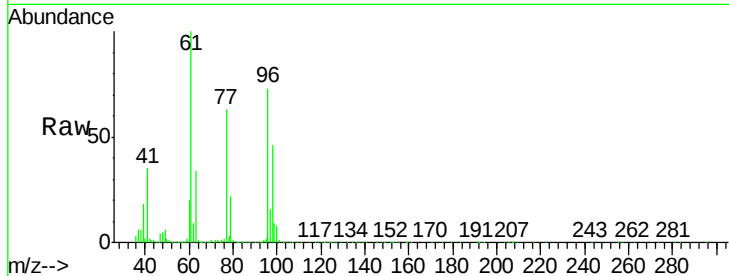
cis-1,2-Dichloroethene
Concen: 52.009 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	338990		
61	149.3	0.0	301.2	
98	64.5	0.0	130.0	

Manual Integrations
APPROVED

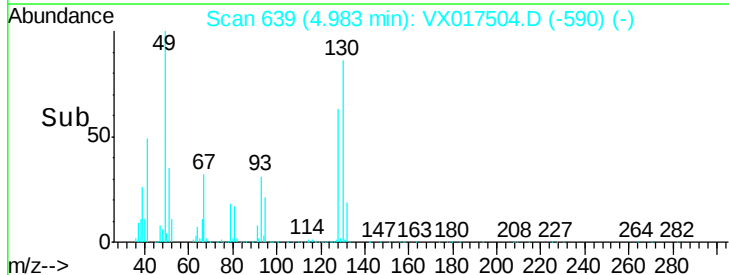
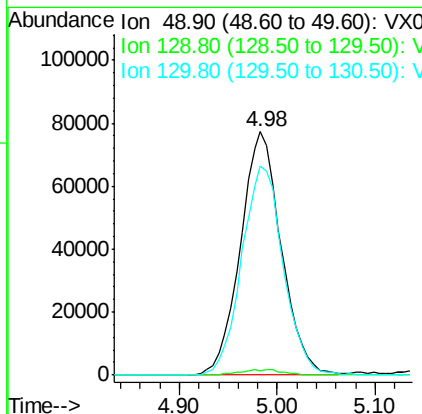
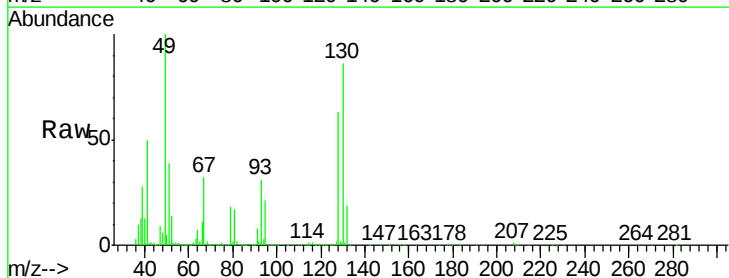
MMDadoda
7/24/2020 1:01:00 PM

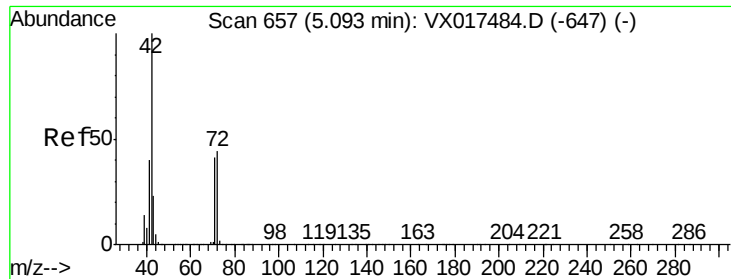


#28

Bromochloromethane
Concen: 45.526 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	222261		
129	2.4	0.0	4.6	
130	87.9	66.7	100.1	





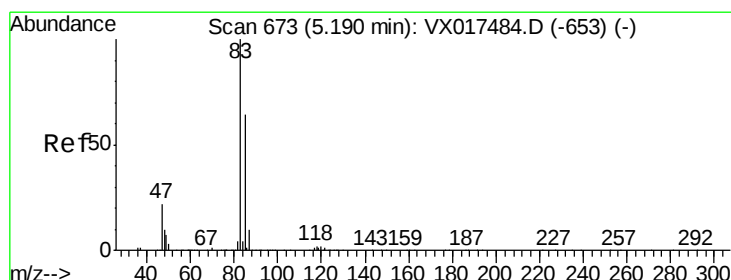
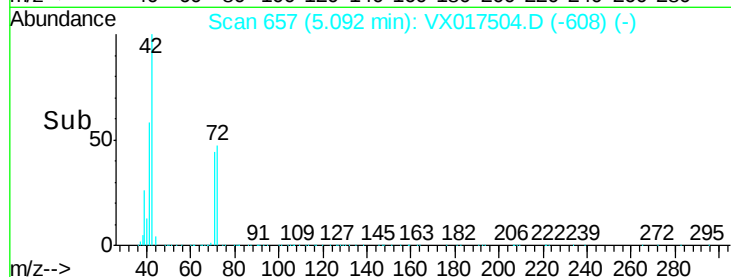
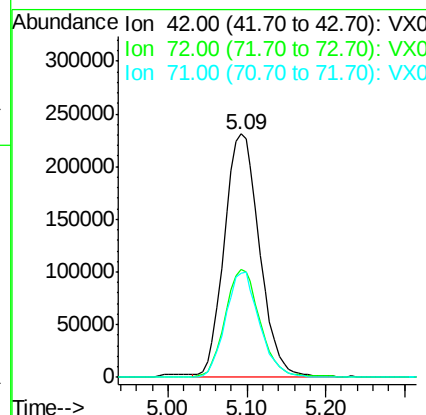
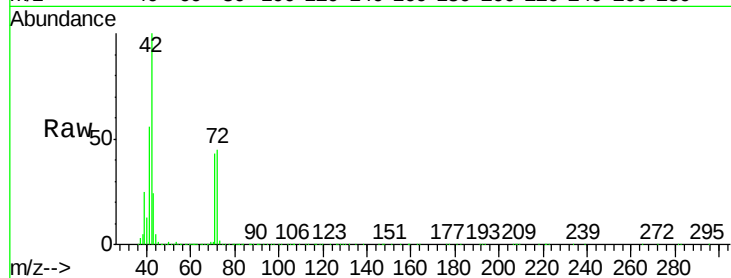
#29
Tetrahydrofuran
Concen: 264.775 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.5	53.3
71	42.1	33.0	49.4

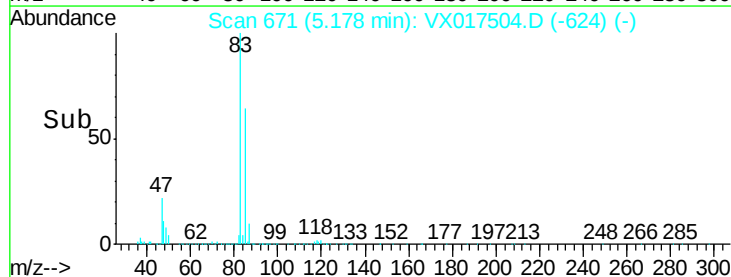
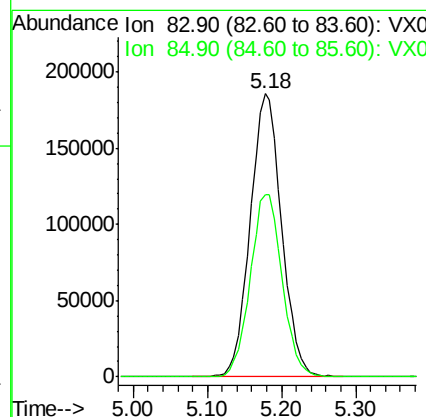
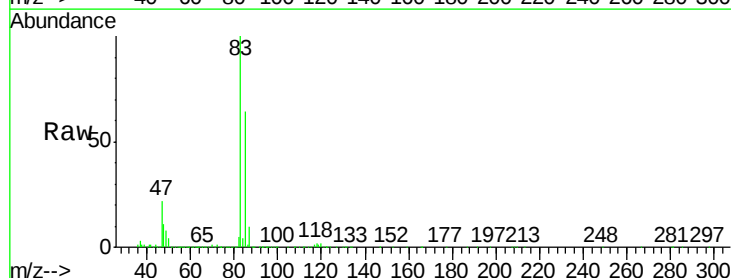
Manual Integrations
APPROVED

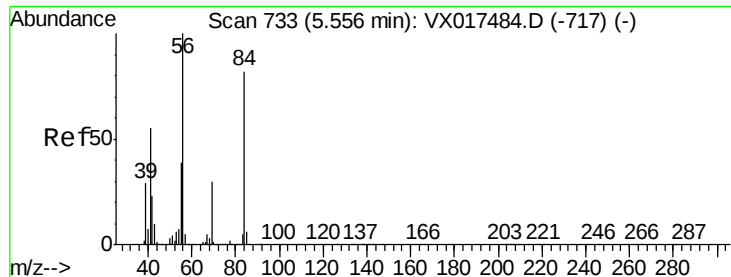
MMDadoda
7/24/2020 1:01:00 PM



#30
Chloroform
Concen: 49.688 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.01 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.2





#31

Cyclohexane

Concen: 48.867 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.01 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_X

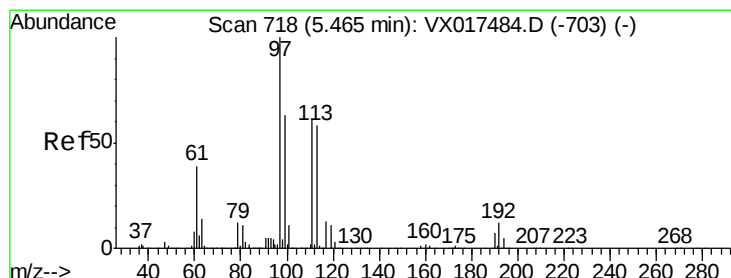
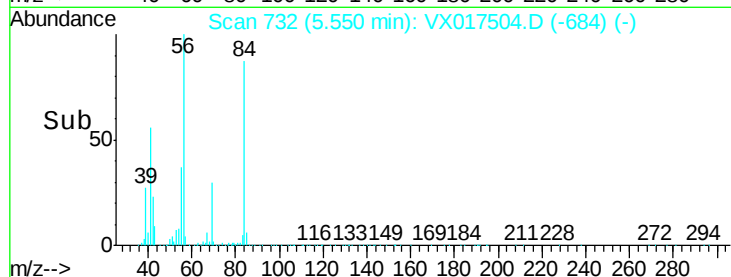
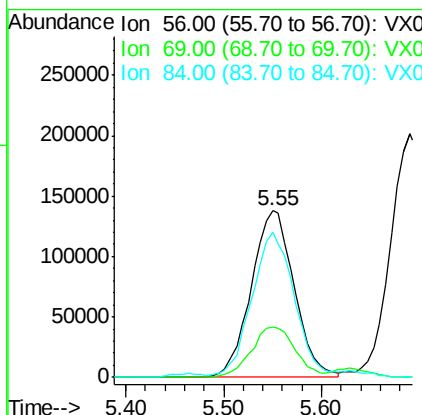
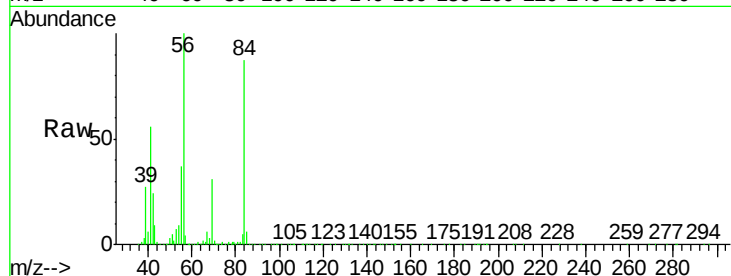
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	419826
Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.2	36.4
84	84.9	69.0	103.6

Manual Integrations
APPROVED

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7/24/2020 1:01:00 PM



#32

1,1,1-Trichloroethane

Concen: 49.854 ug/l

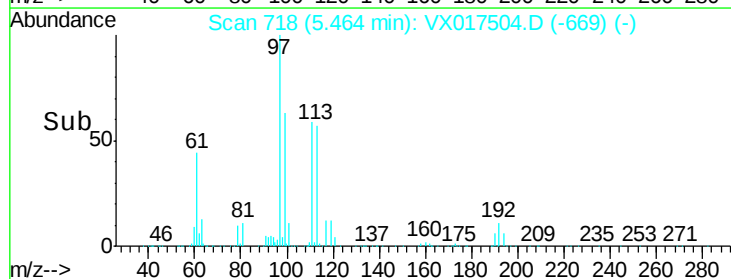
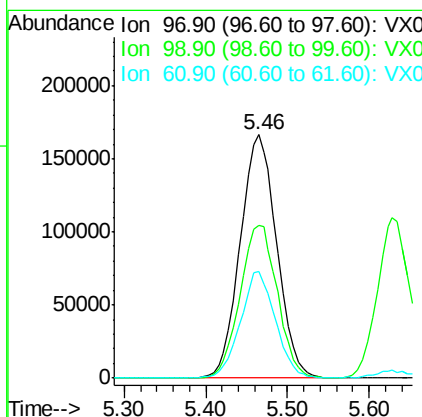
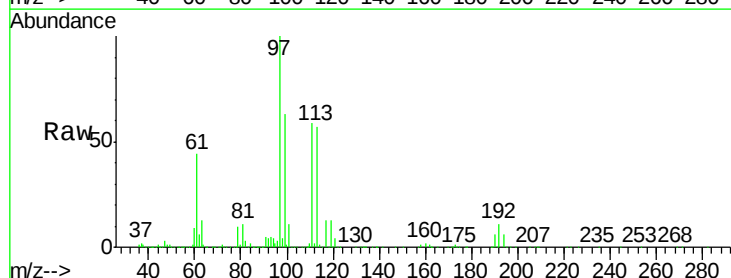
RT: 5.46 min Scan# 718

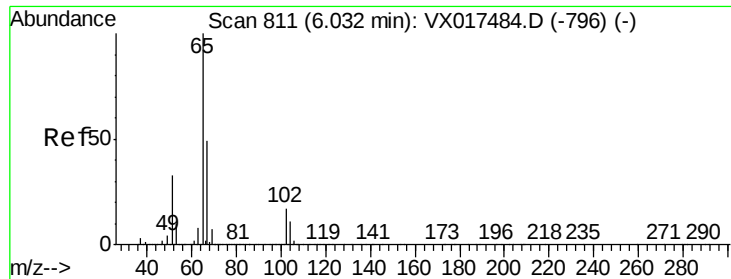
Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Tgt Ion:	97	Resp:	517509
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.9	77.9
61	42.0	34.1	51.1





#33

1,2-Dichloroethane-d4

Concen: 53.059 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Tot Ion: 65 Resp: 369628

Ion Ratio Lower Upper

65 100

67 50.3 0.0 102.8

Instrument :

MSVOA_X

ClientSampleId :

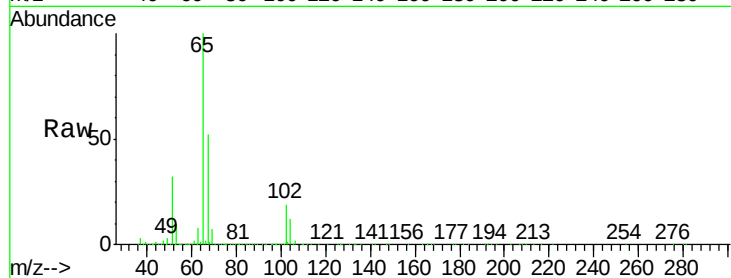
VSTDCCC050EC

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

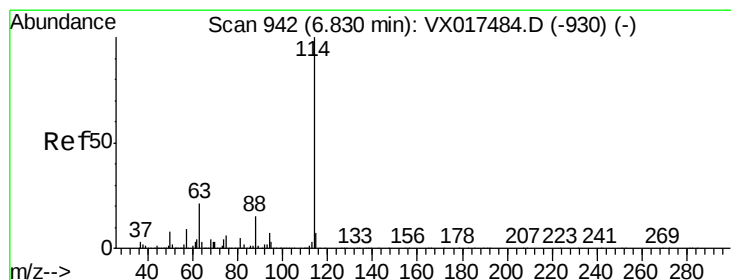
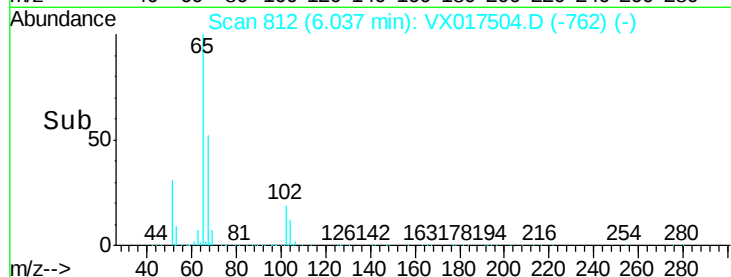
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

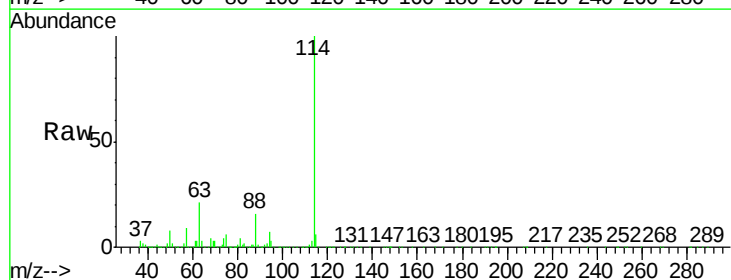
Tgt Ion: 114 Resp: 921488

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.6

88 15.6 0.0 33.4



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

500000

400000

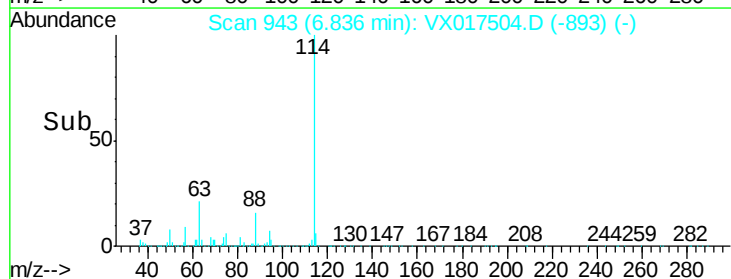
300000

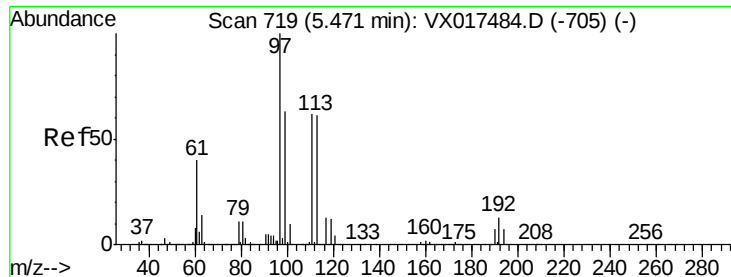
200000

100000

0

Time-->





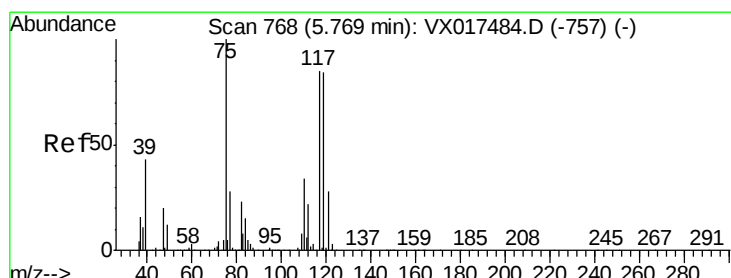
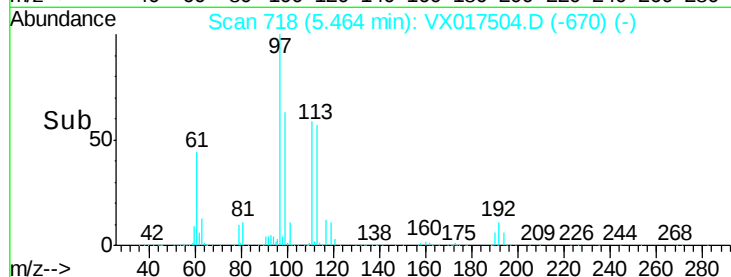
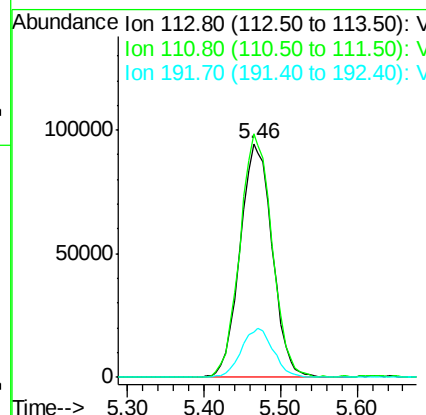
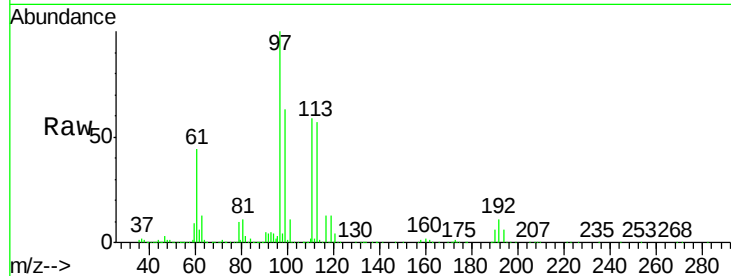
#35
Dibromofluoromethane
Concen: 44.773 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	275934		
111	103.8	80.7	121.1	
192	20.9	16.9	25.3	

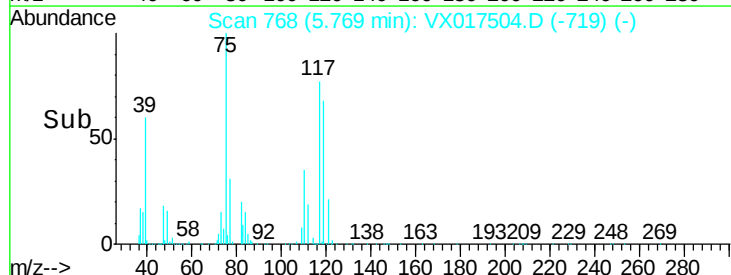
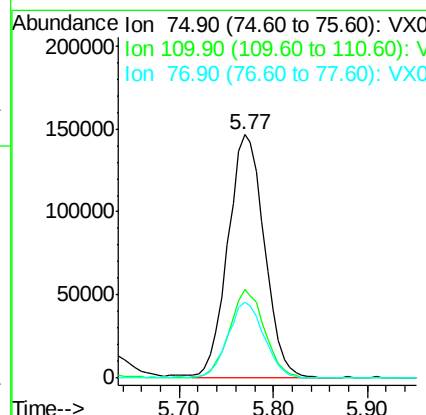
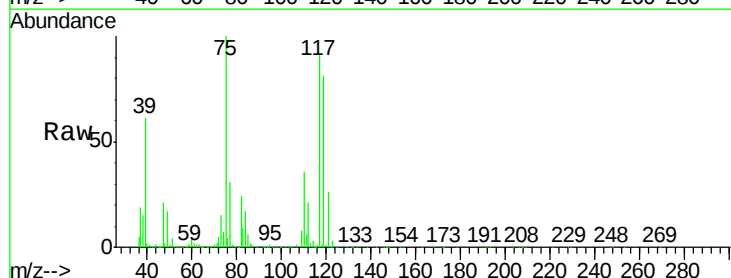
Manual Integrations
APPROVED

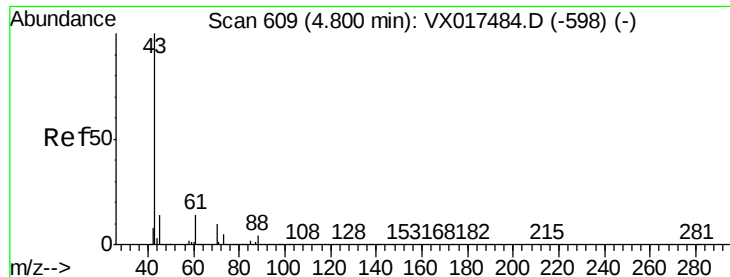
MMDadoda
7/24/2020 1:01:00 PM



#36
1,1-Dichloropropene
Concen: 44.397 ug/l
RT: 5.77 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	392373		
110	35.7	18.1	54.3	
77	31.1	24.6	37.0	





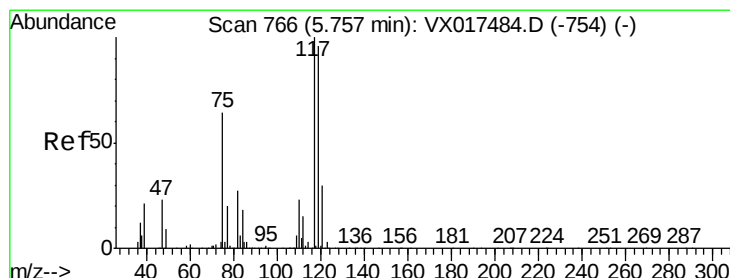
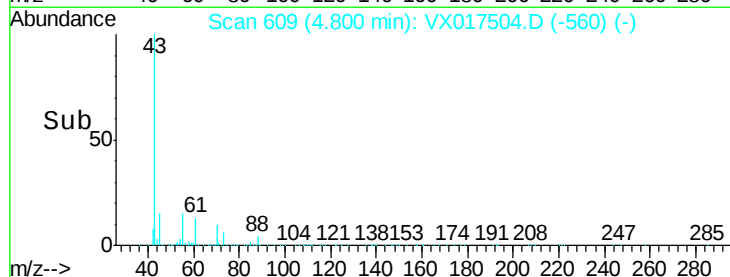
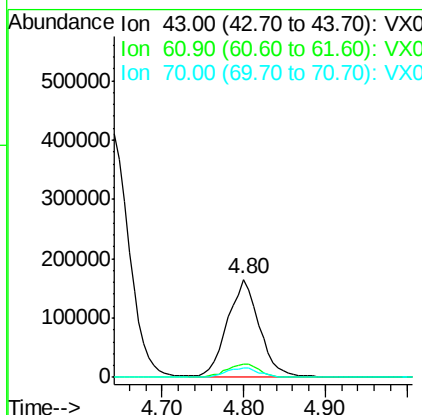
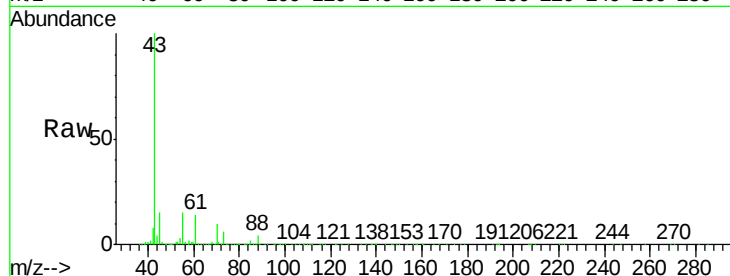
#37
Ethyl Acetate
Concen: 45.944 ug/l
RT: 4.80 min Scan# 609
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	10.4	8.5	12.7

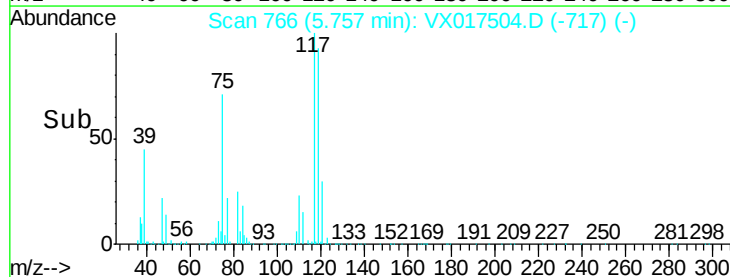
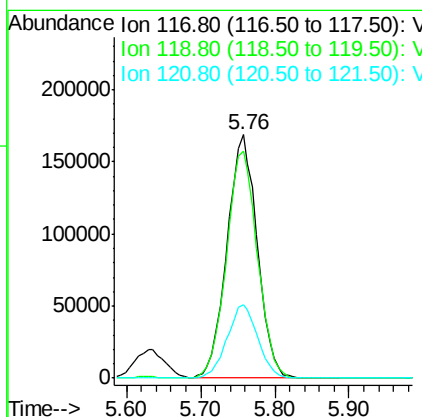
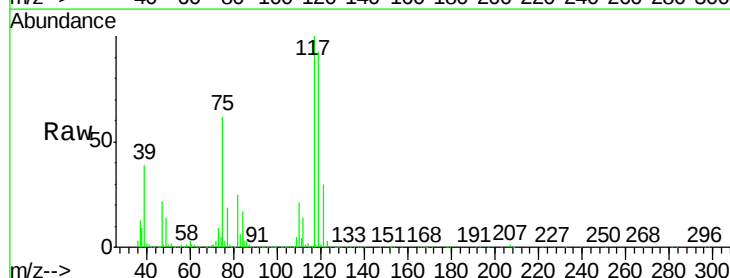
Manual Integrations
APPROVED

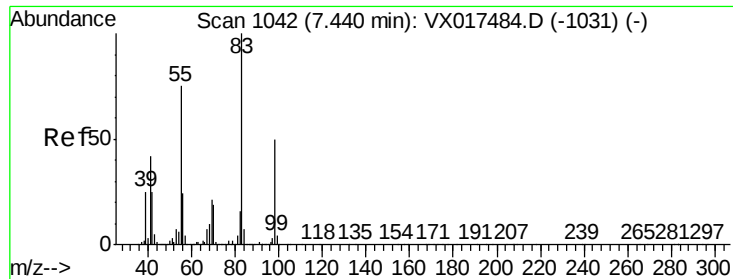
MMDadoda
7/24/2020 1:01:00 PM



#38
Carbon Tetrachloride
Concen: 44.566 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.4	113.0
121	30.0	24.3	36.5





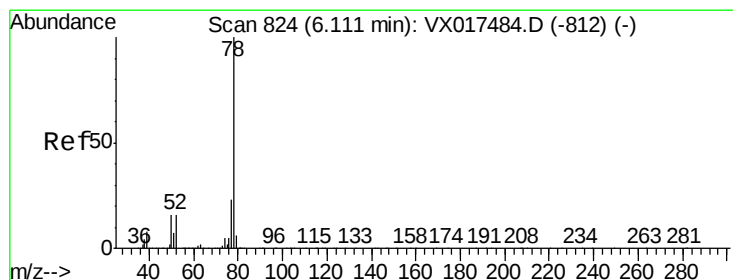
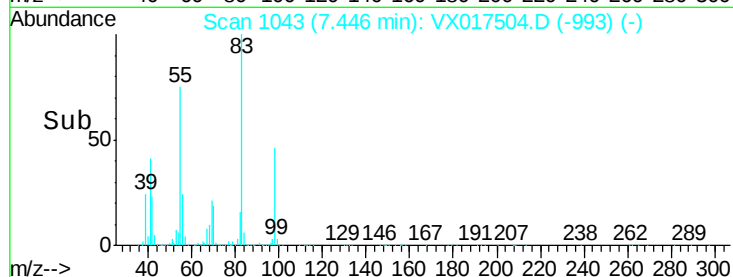
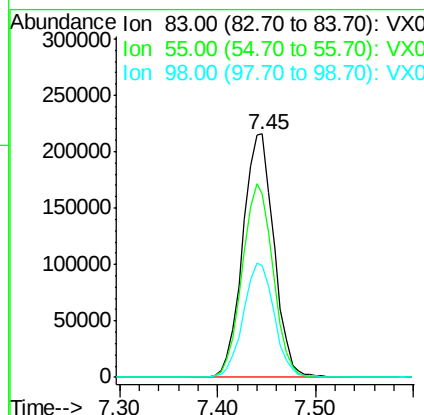
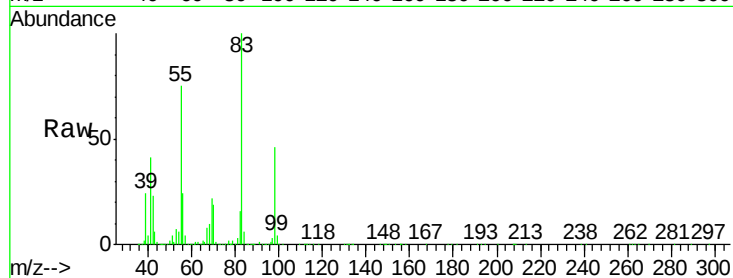
#39
Methvlcvclohexane
Concen: 46.219 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	61.8	92.8
98	46.1	36.9	55.3

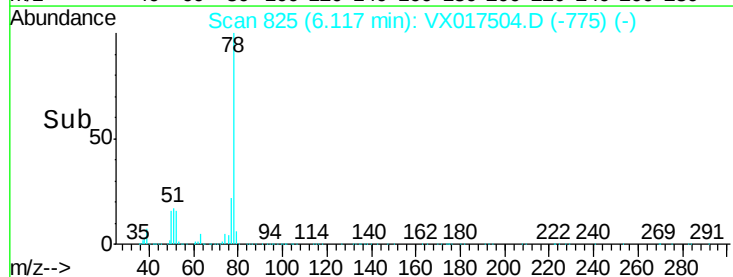
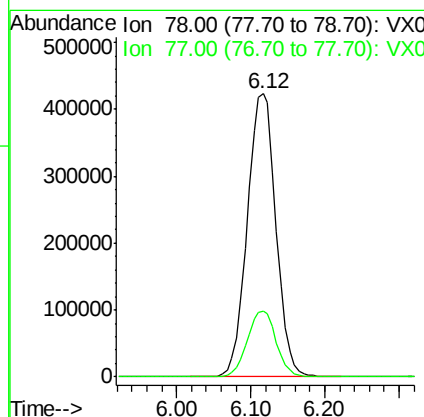
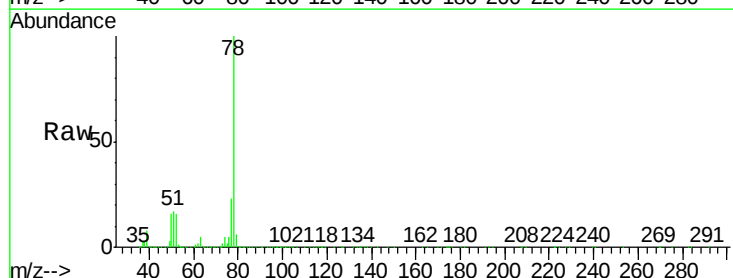
Manual Integrations
APPROVED

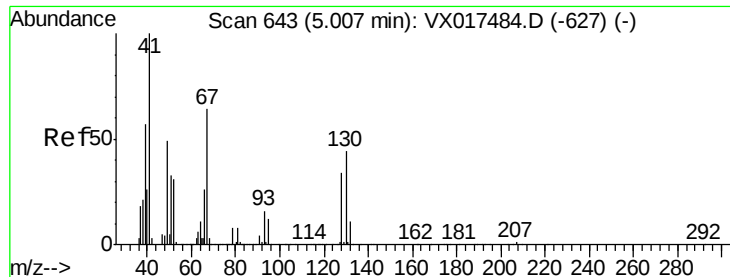
MMDadoda
7/24/2020 1:01:00 PM



#40
Benzene
Concen: 45.086 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.4	29.2





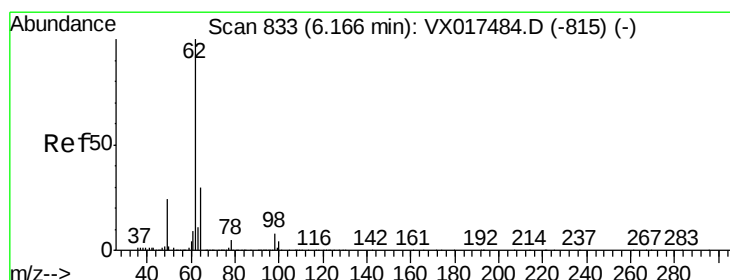
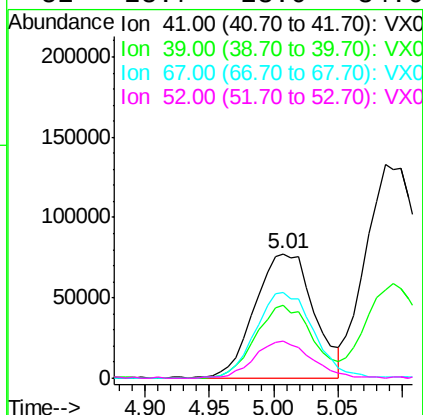
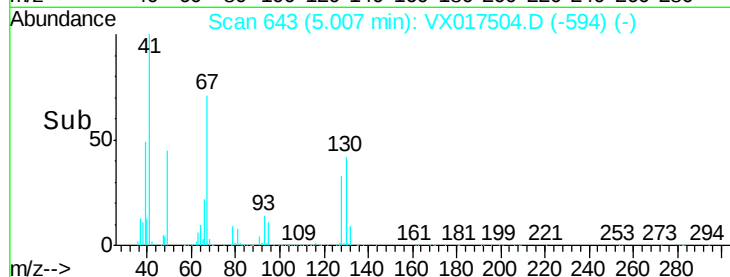
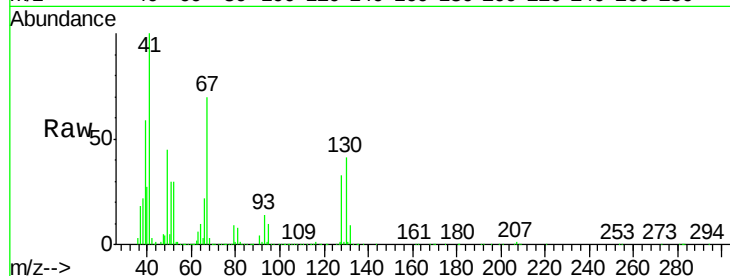
#41
Methacrylonitrile
Concen: 44.312 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.4	43.9	65.9	
67	67.4	54.0	81.0	
52	28.7	23.0	34.6	

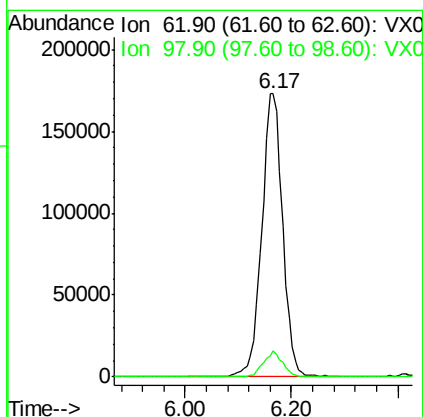
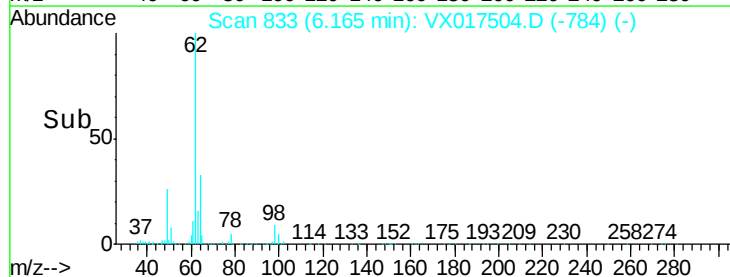
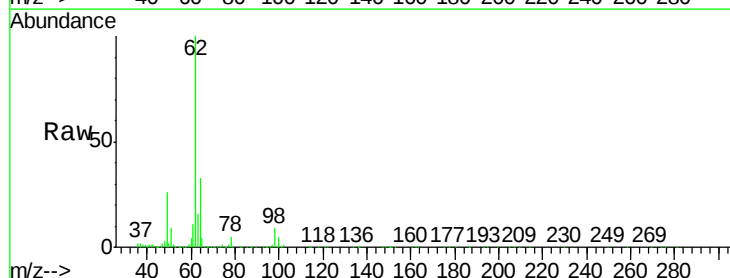
Manual Integrations
APPROVED

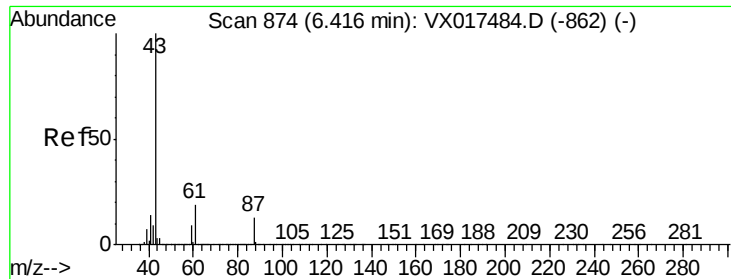
MMDadoda
7/24/2020 1:01:00 PM



#42
1,2-Dichloroethane
Concen: 45.371 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.0	





#43

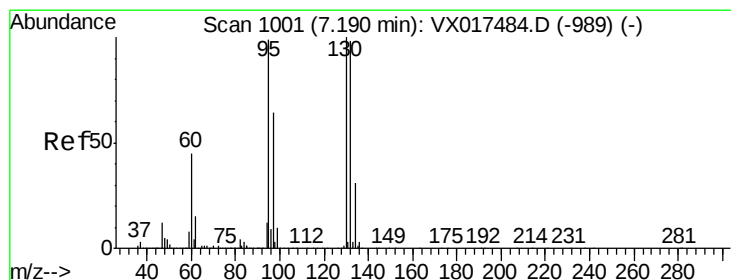
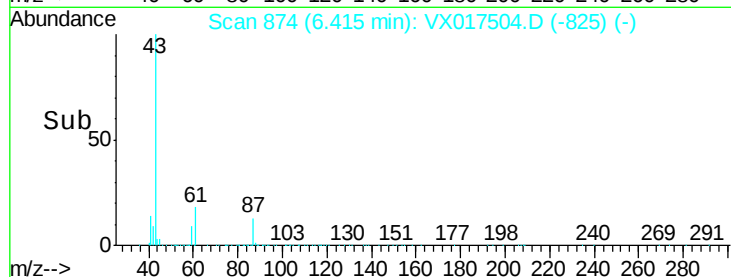
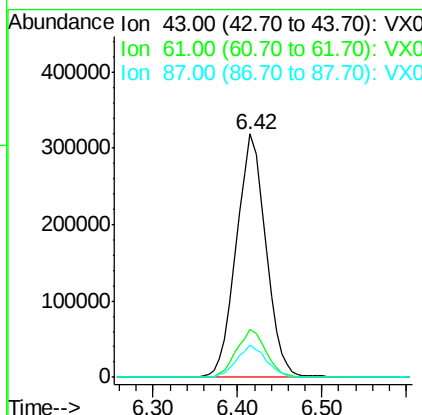
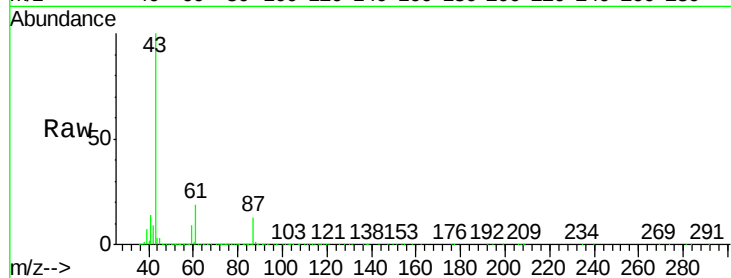
Isopropyl Acetate
 Concen: 47.268 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX017504.D
 Acq: 23 Jul 2020 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.5	23.3
87	13.3	10.5	15.7

Manual Integrations
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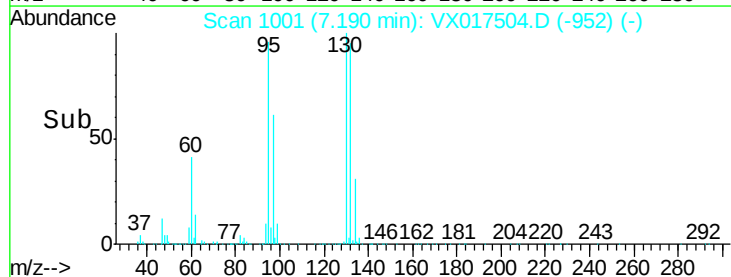
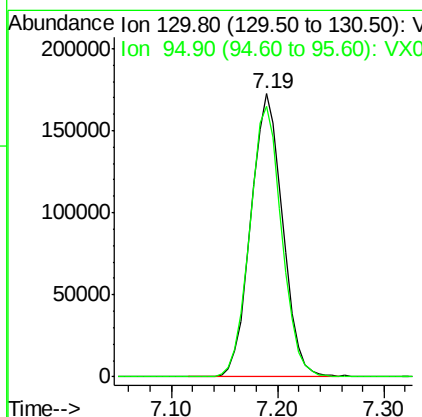
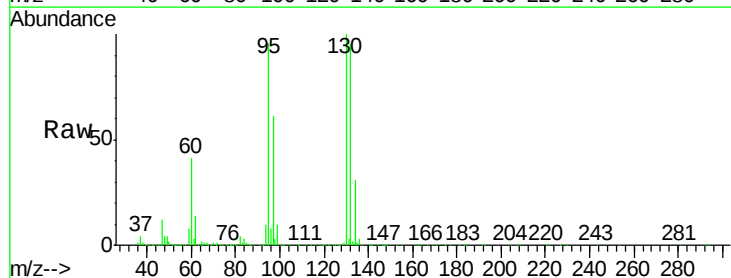
MMDadoda
 7/24/2020 1:01:00 PM

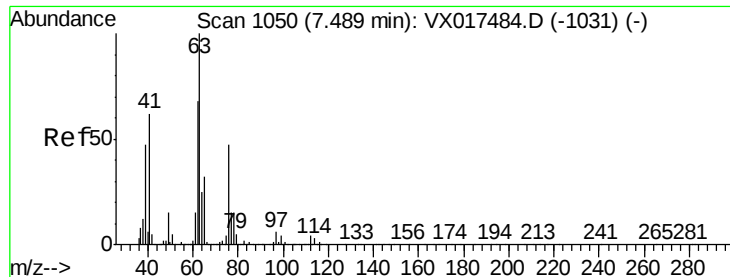


#44

Trichloroethene
 Concen: 48.857 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX017504.D
 Acq: 23 Jul 2020 19:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	189.0





#45

1,2-Dichloropropane

Concen: 47.379 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 332793

Ion Ratio Lower Upper

63 100

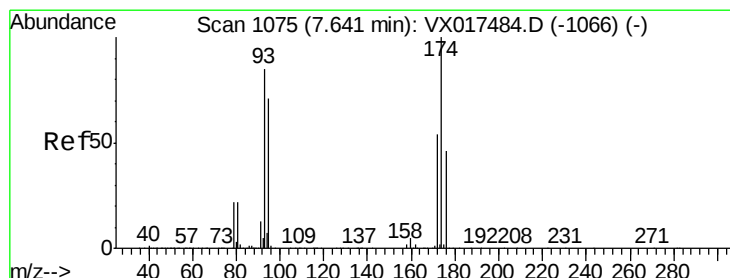
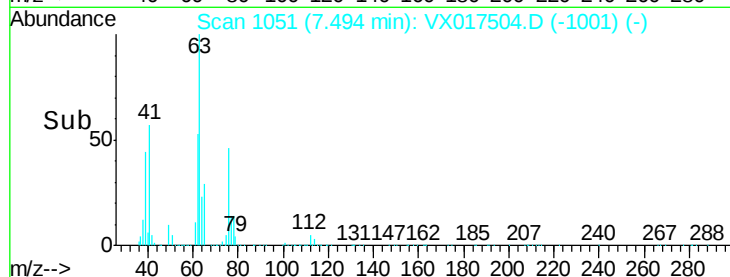
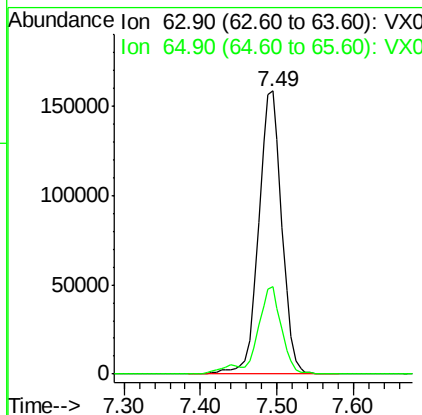
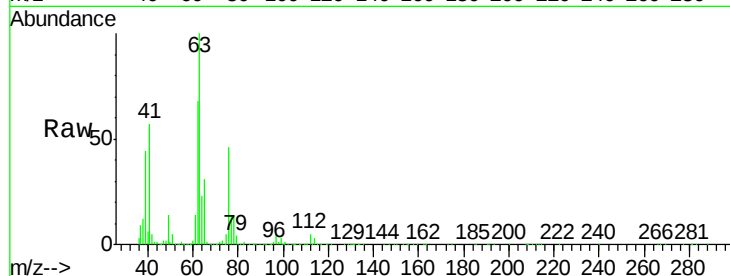
65 31.0 24.5 36.7

Manual Integrations

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7/24/2020 1:01:00 PM



#46

Dibromomethane

Concen: 47.399 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

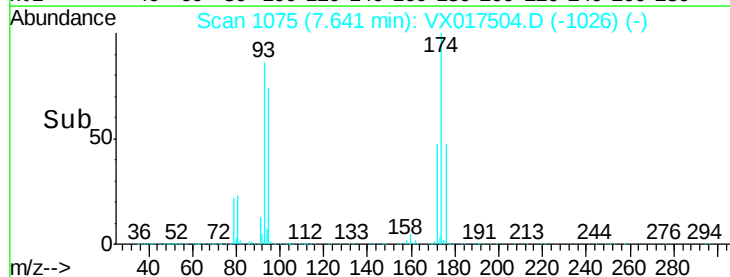
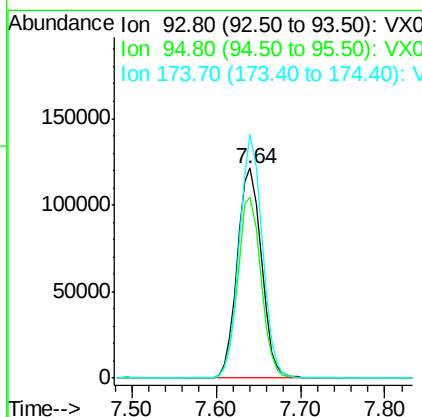
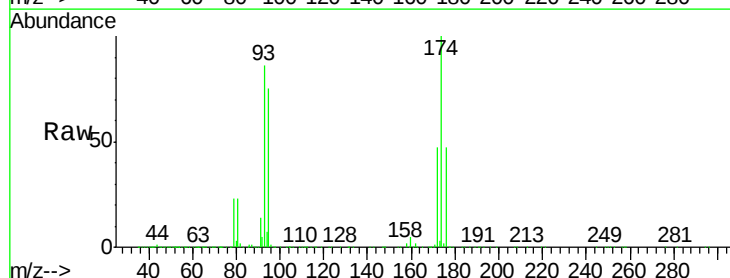
Tgt Ion: 93 Resp: 235287

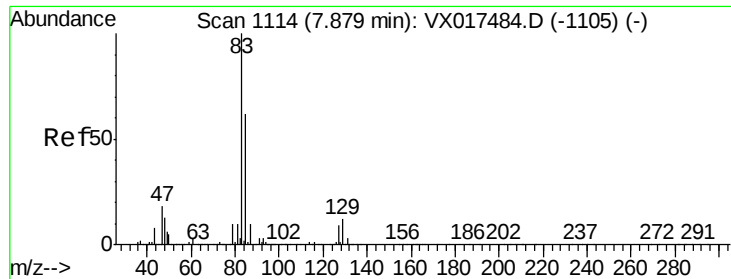
Ion Ratio Lower Upper

93 100

95 83.3 66.6 99.8

174 109.1 87.0 130.6





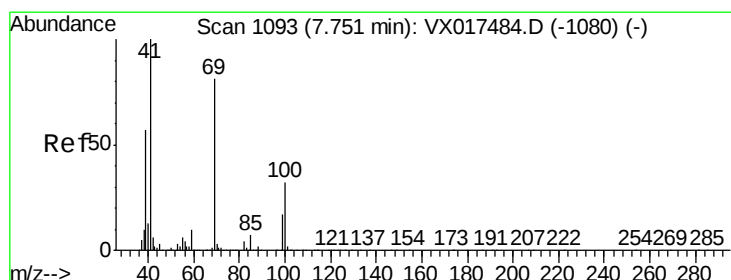
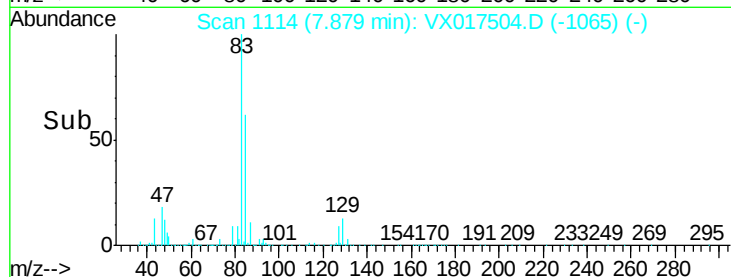
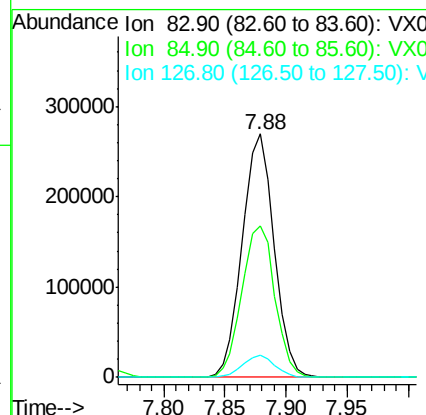
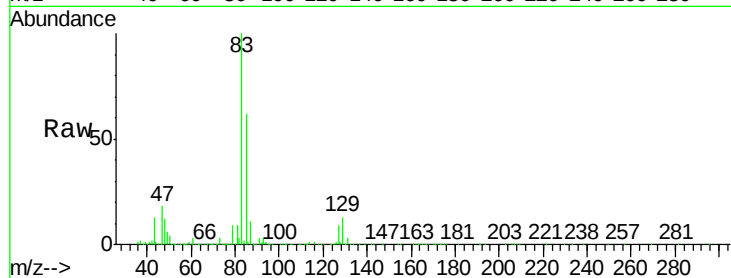
#47
Bromodichloromethane
Concen: 48.781 ug/l
RT: 7.88 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.8	77.8
127	9.0	7.4	11.2

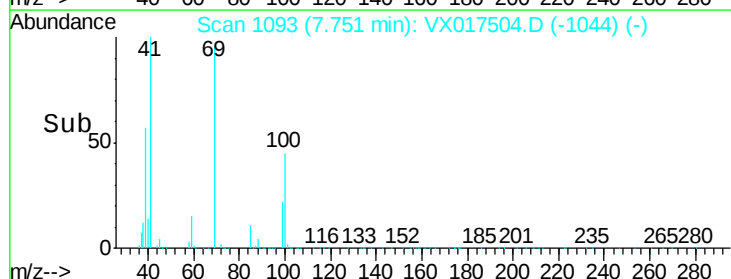
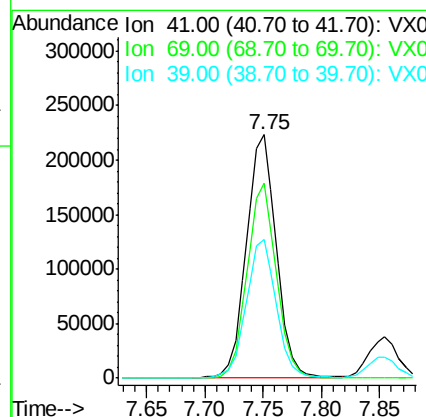
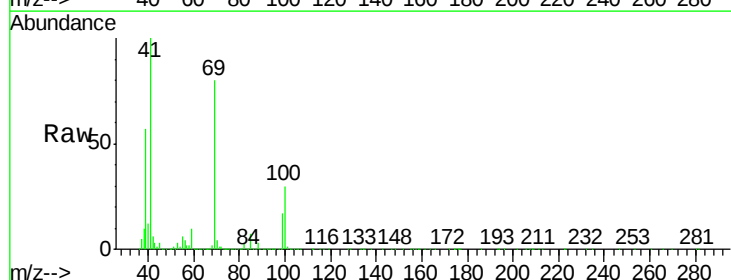
Manual Integrations
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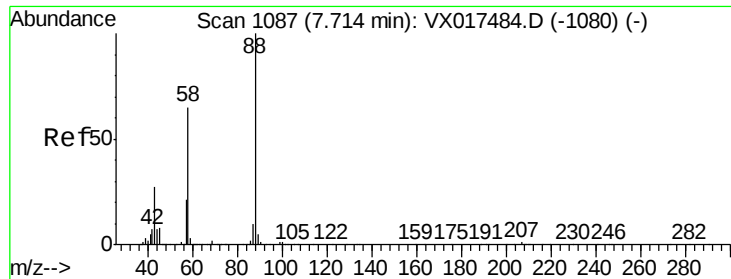
MMDadoda
7/24/2020 1:01:00 PM



#48
Methyl methacrylate
Concen: 50.565 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.4	63.1	94.7
39	57.6	45.1	67.7





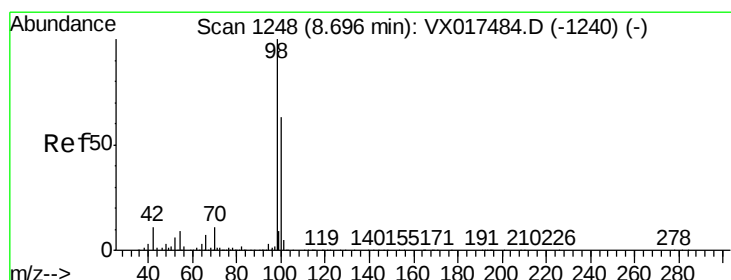
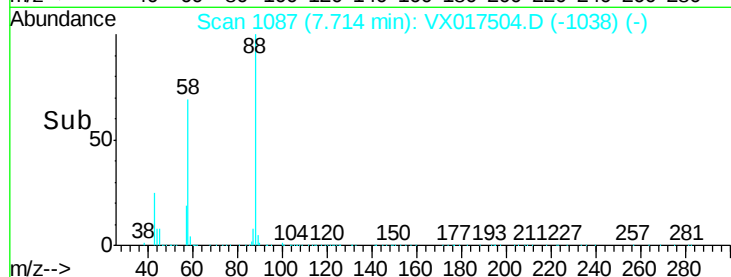
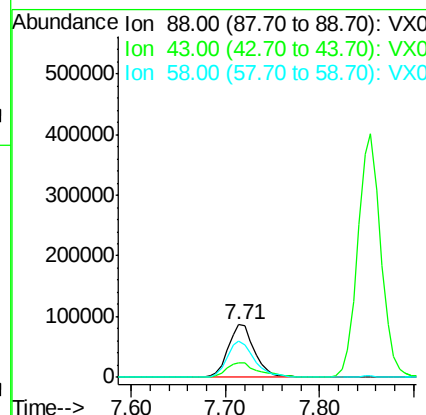
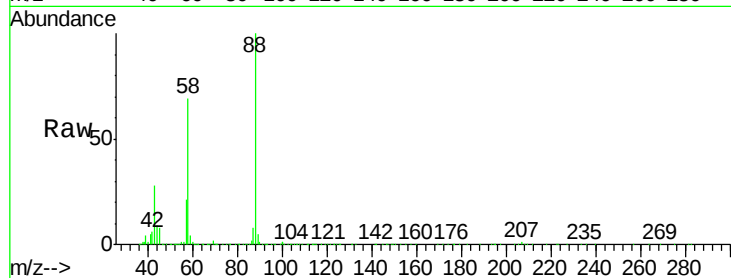
#49
1,4-Dioxane
Concen: 1125.324 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	27.8	41.6
58	71.1	58.3	87.5

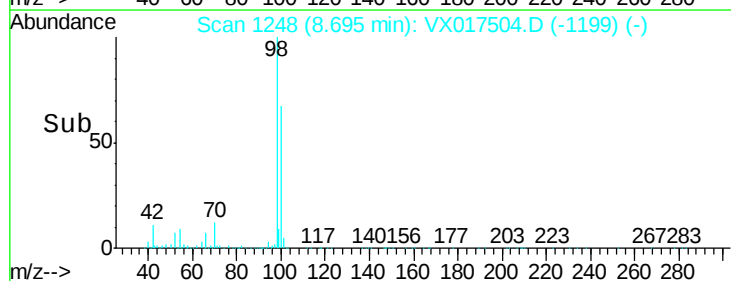
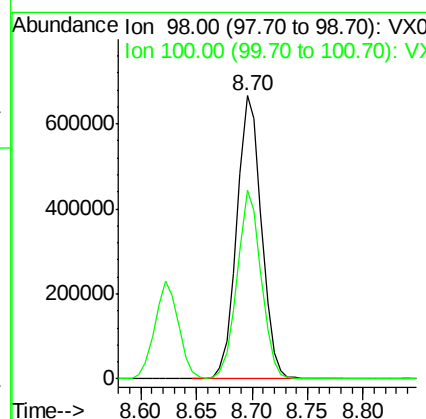
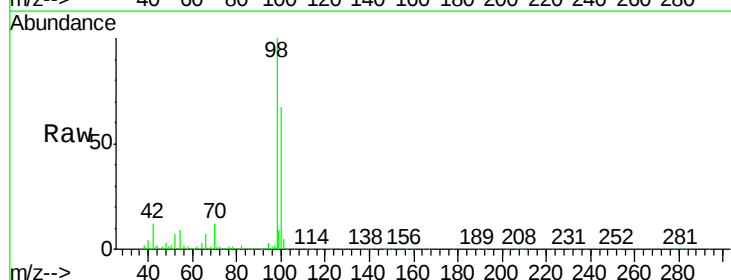
Manual Integrations
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7/24/2020 1:01:00 PM



#50
Toluene-d8
Concen: 45.897 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.3	78.5





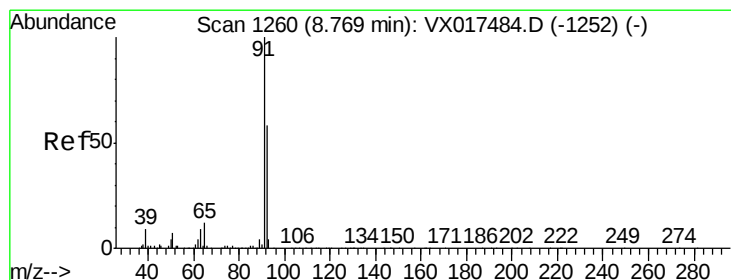
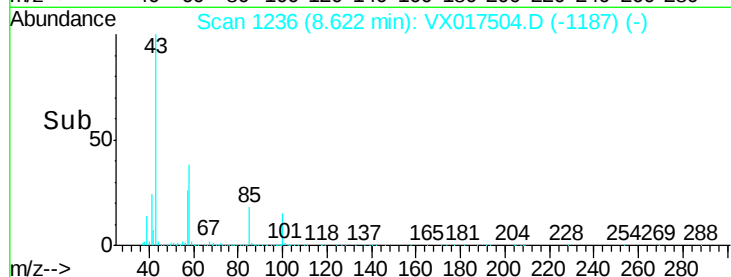
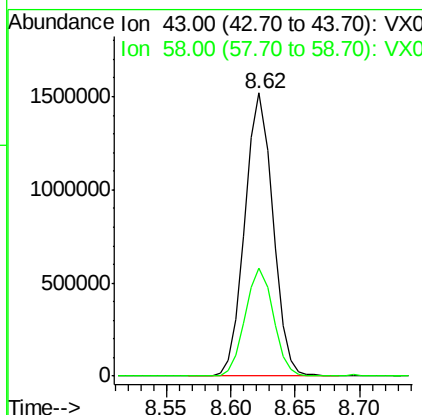
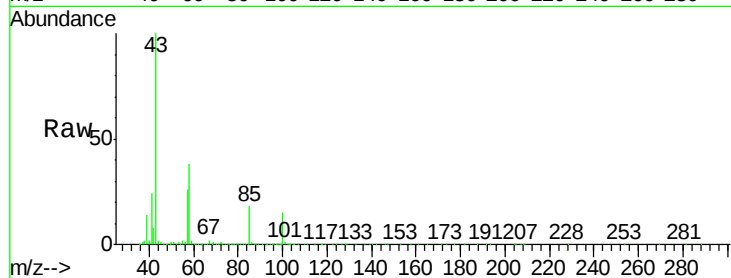
#51
4-Methyl-2-Pentanone
Concen: 240.656 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2290974
Ion Ratio Lower Upper
43 100
58 38.2 31.0 46.4

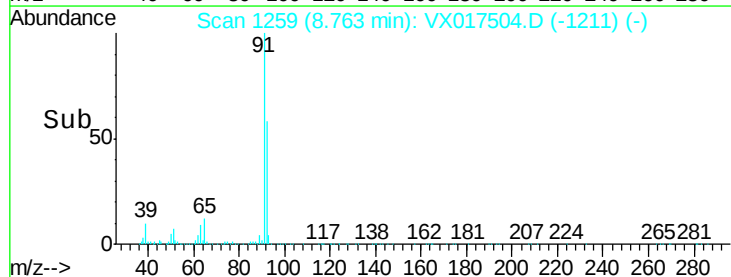
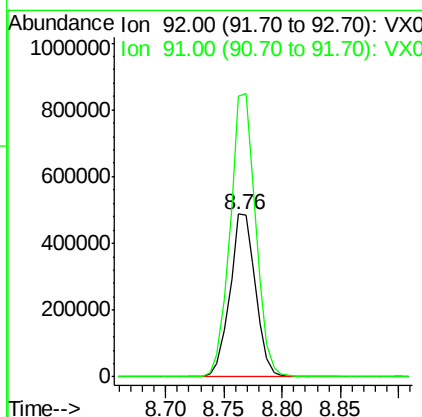
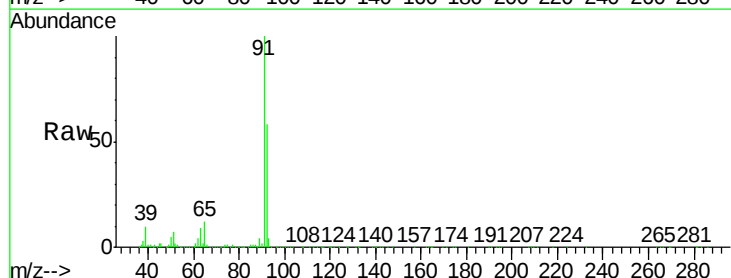
Manual Integrations
APPROVED

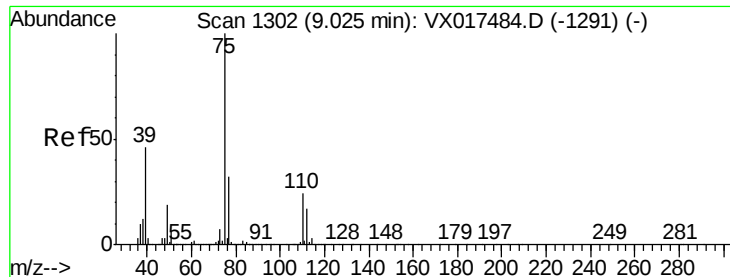
MMDadoda
7/24/2020 1:01:00 PM



#52
Toluene
Concen: 45.979 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Tgt Ion: 92 Resp: 747136
Ion Ratio Lower Upper
92 100
91 173.4 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 43.597 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 487458

Ion Ratio Lower Upper

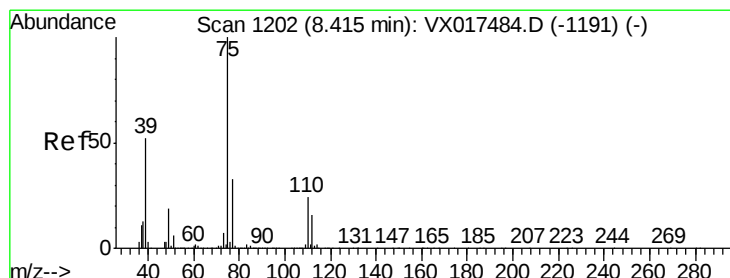
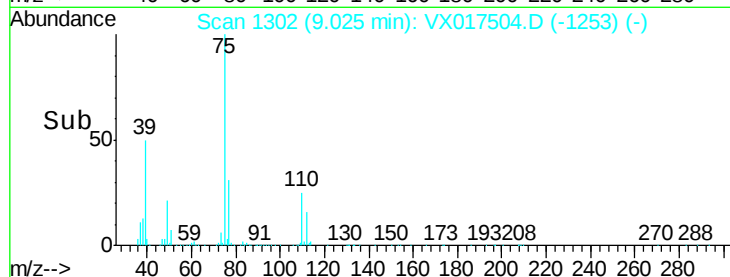
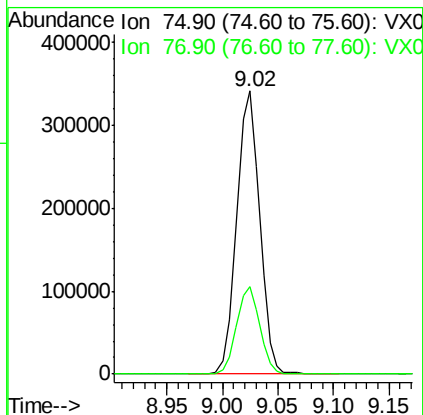
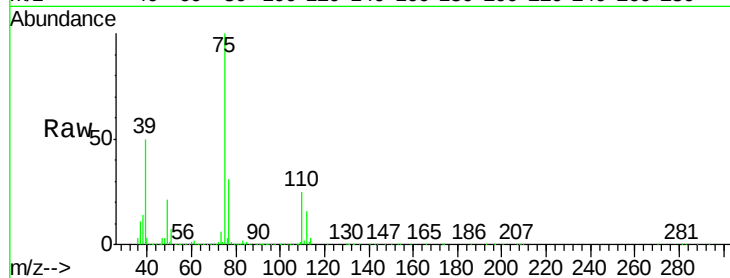
75 100

77 30.9 25.5 38.3

Manual Integrations
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7/24/2020 1:01:00 PM



#54

cis-1,3-Dichloropropene

Concen: 45.929 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

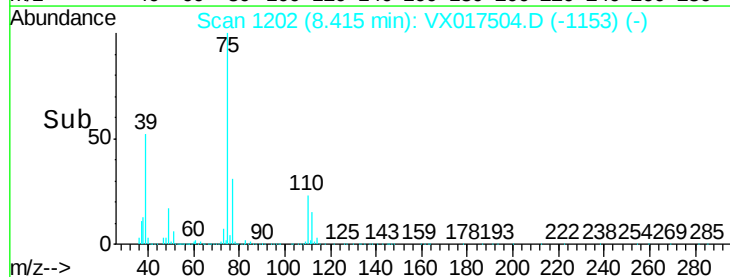
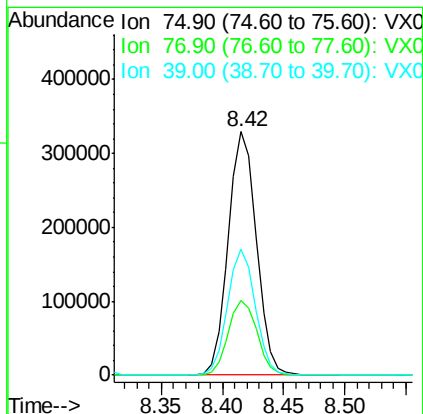
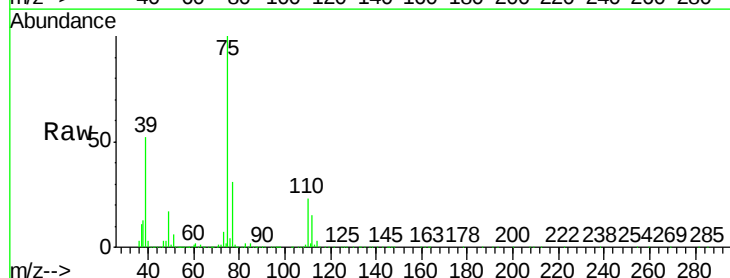
Tgt Ion: 75 Resp: 523801

Ion Ratio Lower Upper

75 100

77 30.7 25.5 38.3

39 51.7 41.8 62.8





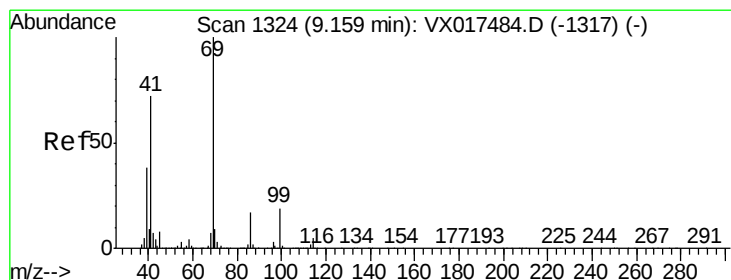
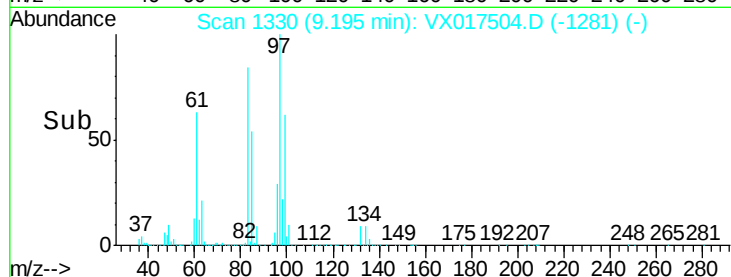
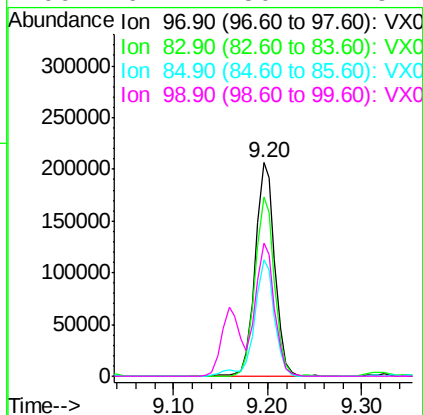
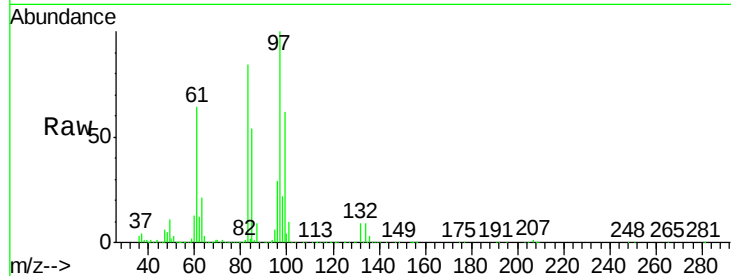
#55
 1,1,2-Trichloroethane
 Concen: 44.871 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX017504.D
 Acq: 23 Jul 2020 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		303741		
83	83.7	67.6	101.4		
85	54.3	44.6	67.0		
99	62.2	50.2	75.4		

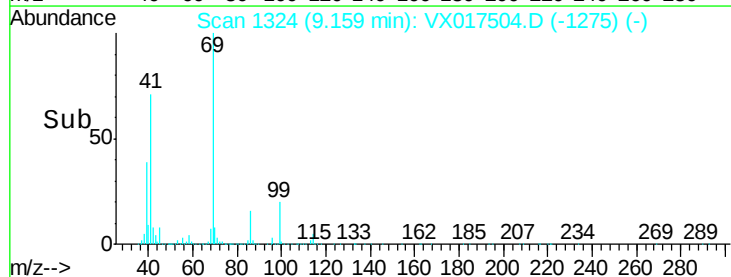
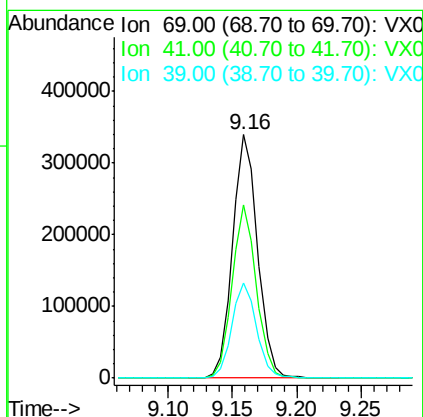
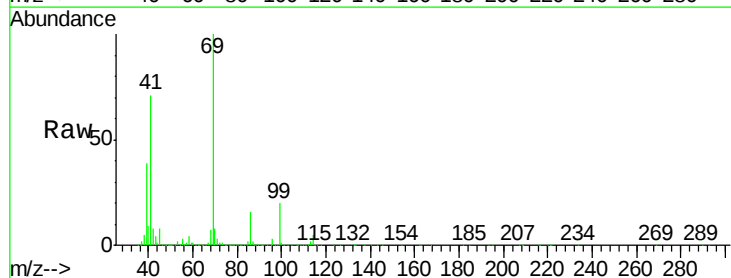
Manual Integrations
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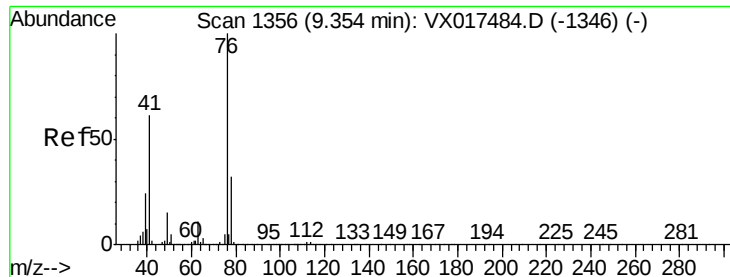
MMDadoda
 7/24/2020 1:01:00 PM



#56
 Ethyl methacrylate
 Concen: 45.287 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX017504.D
 Acq: 23 Jul 2020 19:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		461852		
41	68.8	55.0	82.6		
39	38.8	30.0	45.0		





#57

1,3-Dichloropropane

Concen: 44.216 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 492848

Ion Ratio Lower Upper

76 100

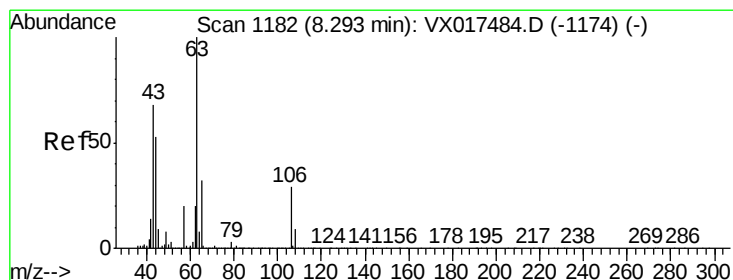
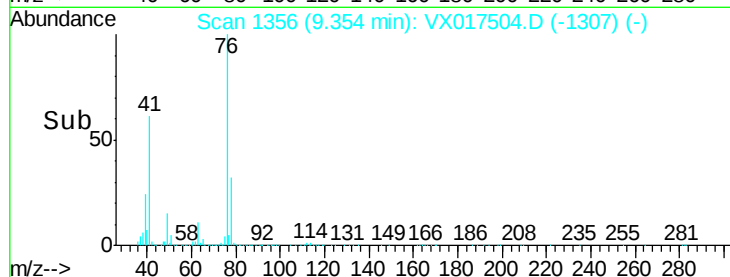
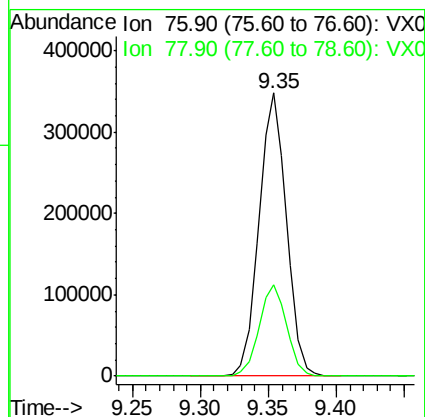
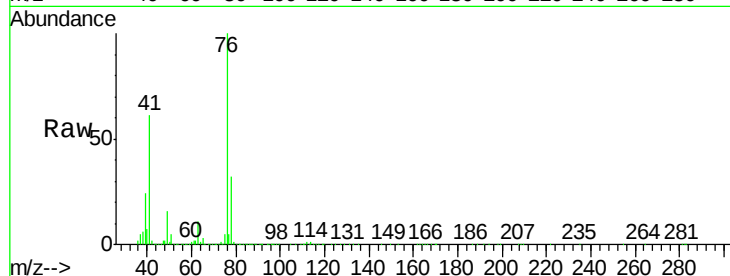
78 32.4 25.8 38.8

Manual Integrations

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7/24/2020 1:01:00 PM



#58

2-Chloroethyl Vinyl ether

Concen: 232.073 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX017504.D

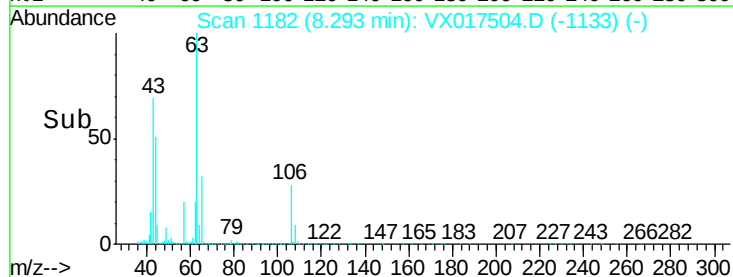
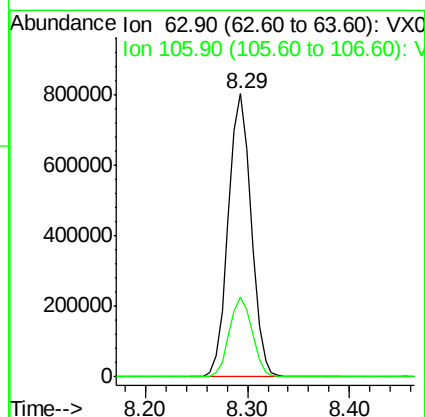
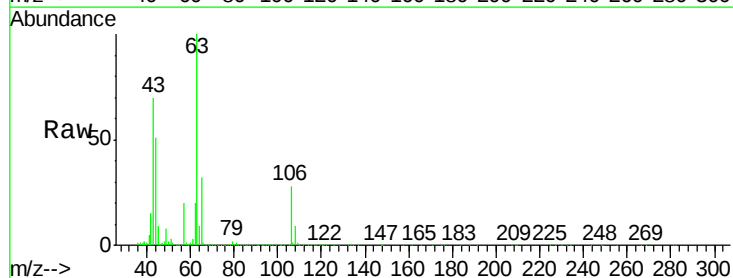
Acq: 23 Jul 2020 19:47

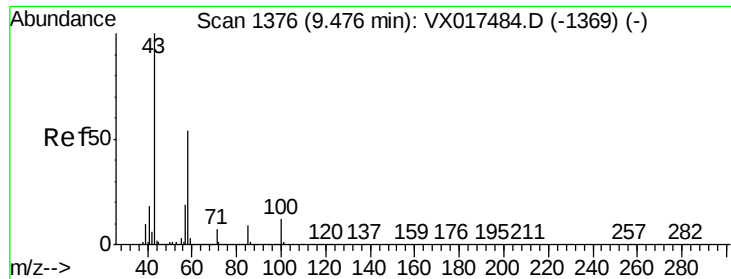
Tgt Ion: 63 Resp: 1246913

Ion Ratio Lower Upper

63 100

106 28.2 22.6 34.0





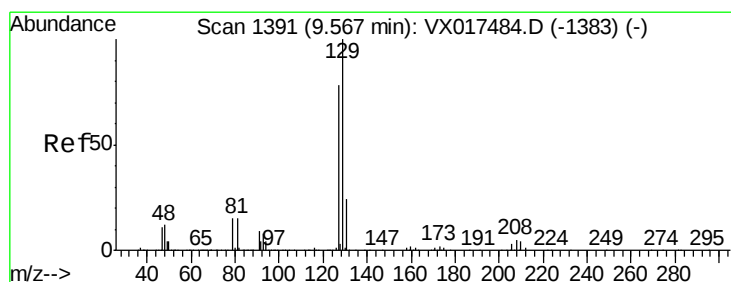
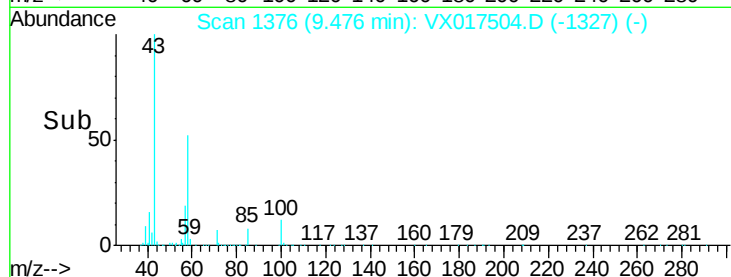
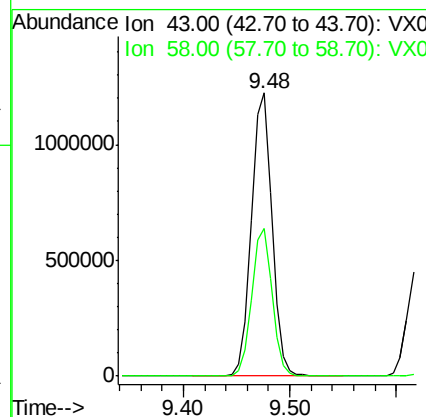
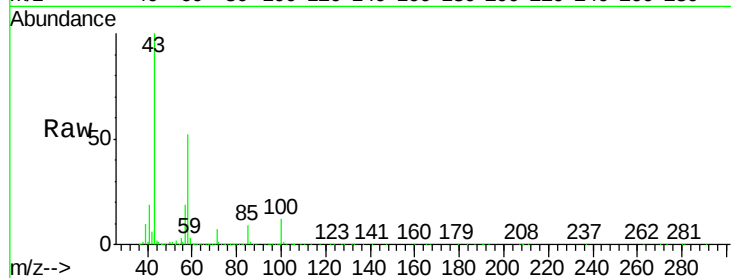
#59
2-Hexanone
Concen: 232.122 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1663680
Ion Ratio Lower Upper
43 100
58 51.9 26.6 79.8

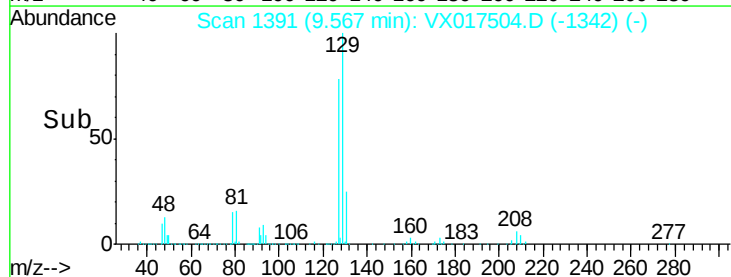
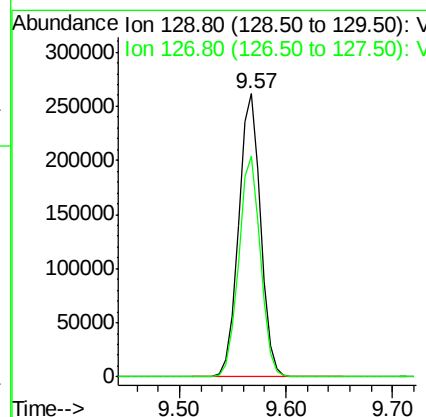
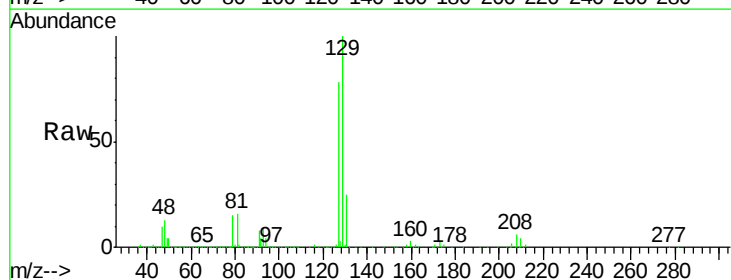
Manual Integrations
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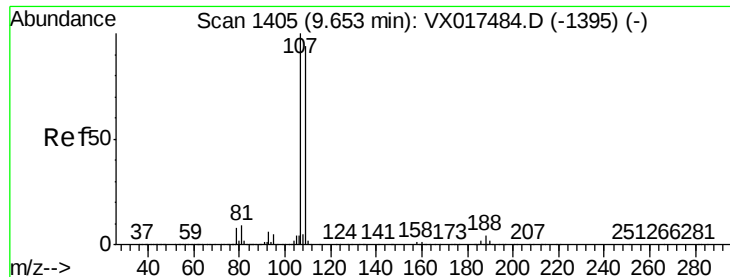
MMDadoda
7/24/2020 1:01:00 PM



#60
Dibromochloromethane
Concen: 43.974 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Tgt Ion: 129 Resp: 378340
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.1





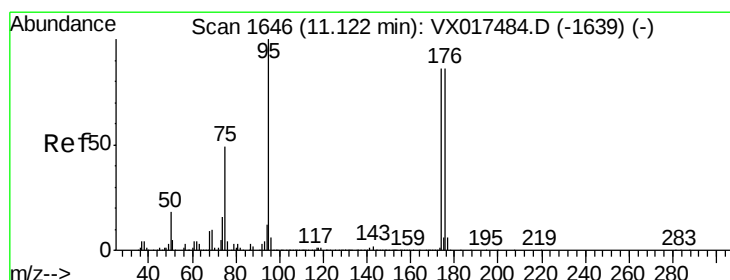
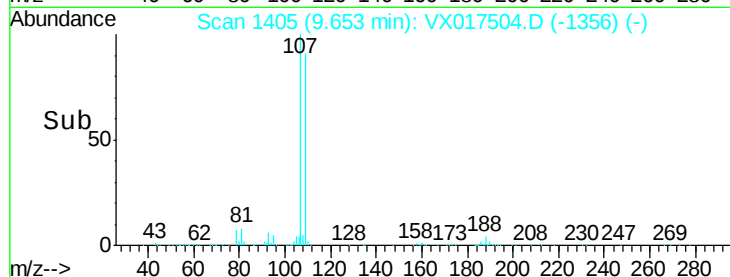
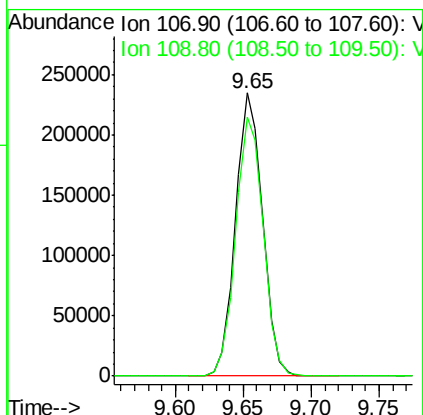
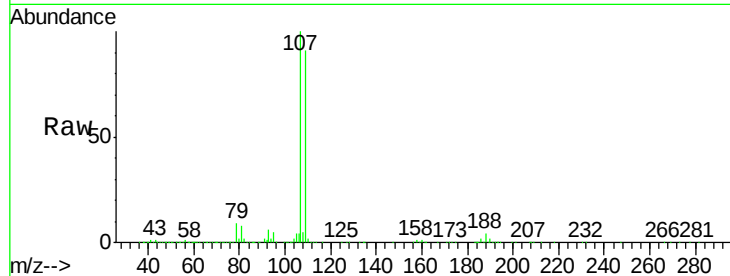
#61
 1,2-Dibromoethane
 Concen: 45.145 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX017504.D
 Acq: 23 Jul 2020 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	74.9	112.3

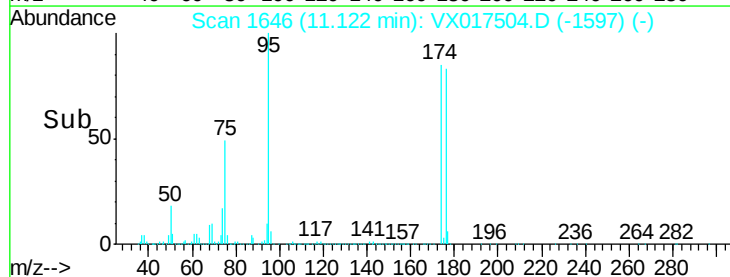
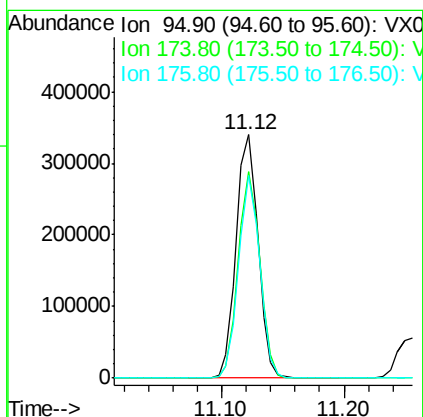
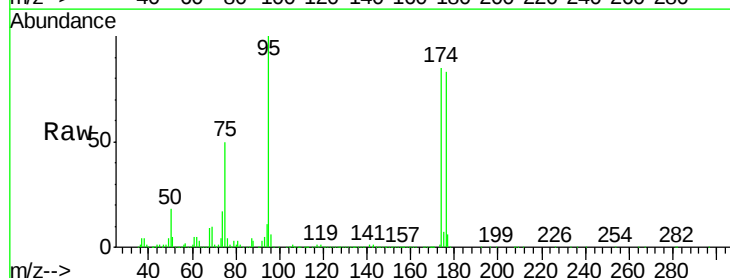
Manual Integrations
 APPROVED

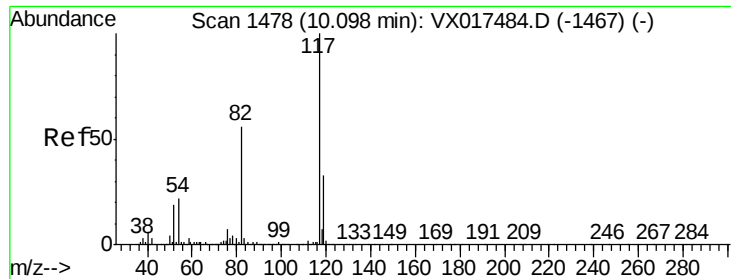
MMDadoda
 7/24/2020 1:01:00 PM



#62
 4-Bromofluorobenzene
 Concen: 47.104 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX017504.D
 Acq: 23 Jul 2020 19:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.4	0.0	169.0
176	81.0	0.0	161.0





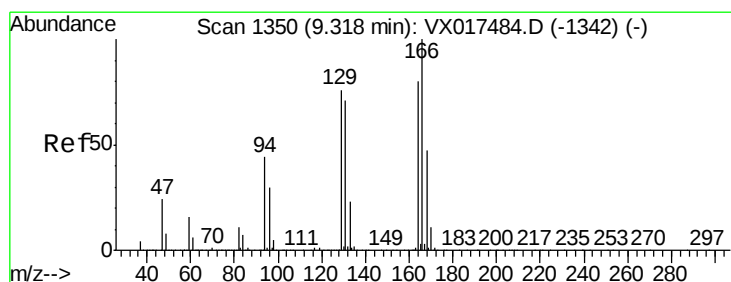
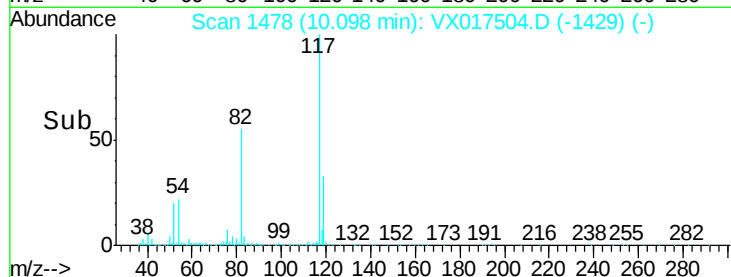
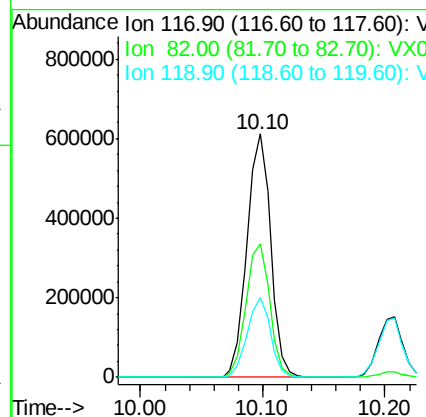
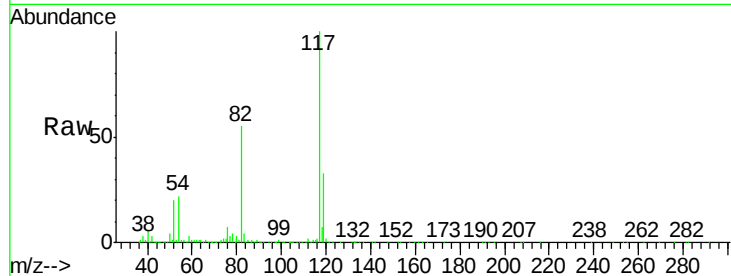
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.0	66.0
119	32.7	25.4	38.0

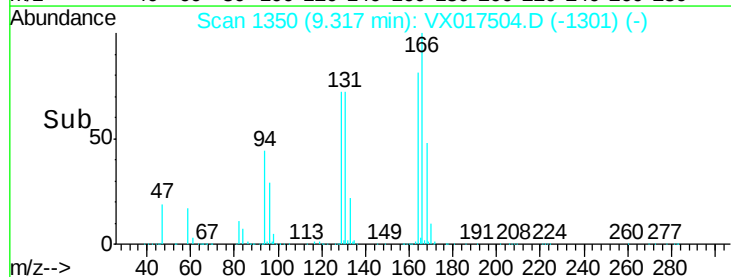
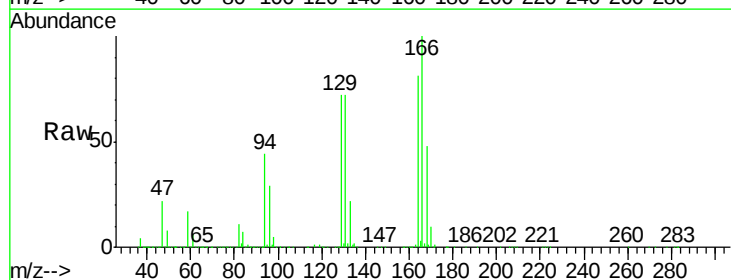
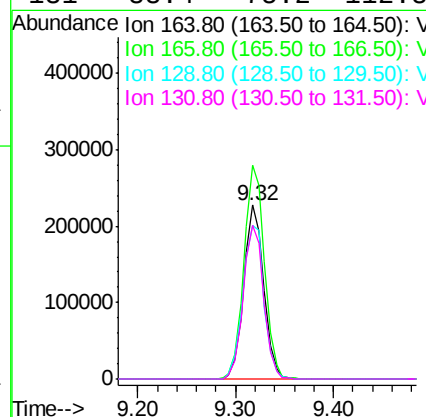
Manual Integrations
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#64
Tetrachloroethene
Concen: 43.467 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.0	100.6	150.8
129	88.6	75.0	112.6
131	88.4	75.2	112.8





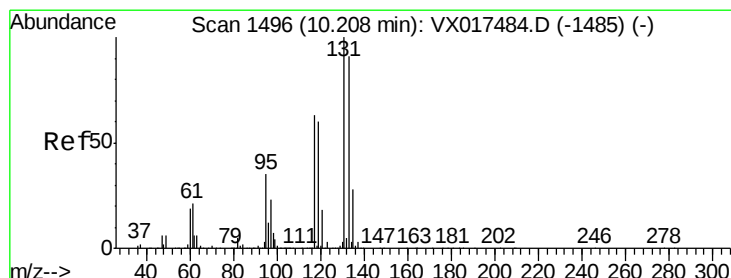
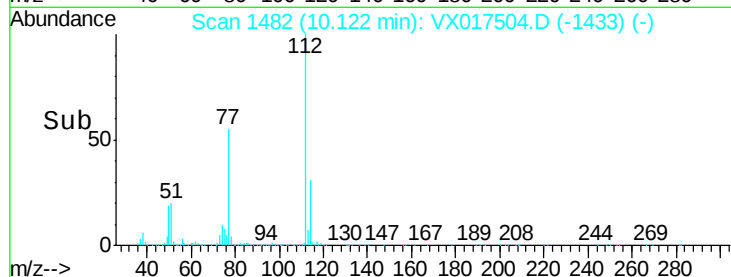
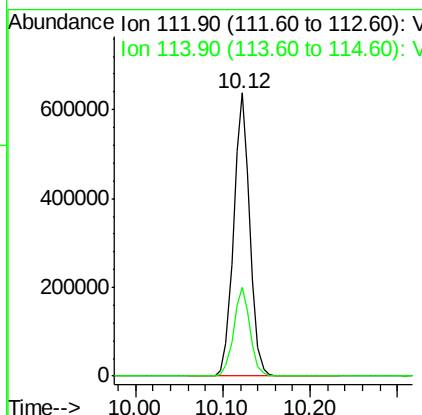
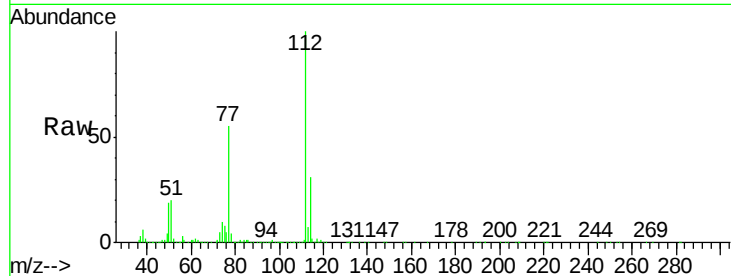
#65
Chlorobenzene
Concen: 46.268 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 823788
Ion Ratio Lower Upper
112 100
114 31.3 25.7 38.5

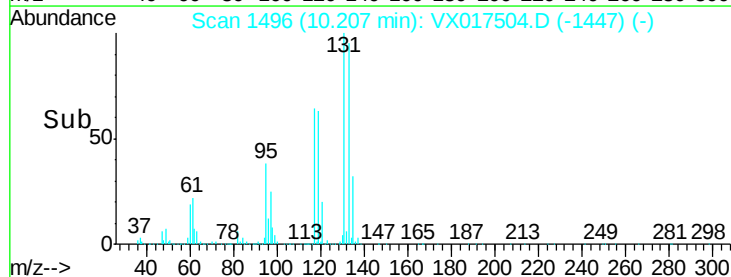
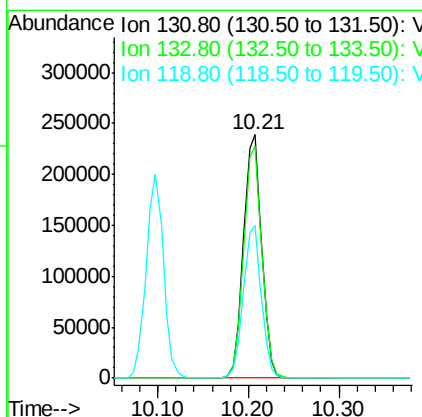
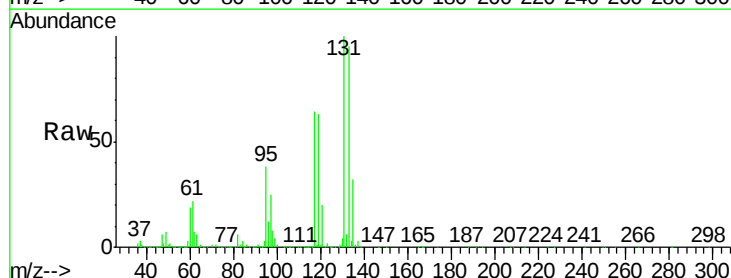
Manual Integrations
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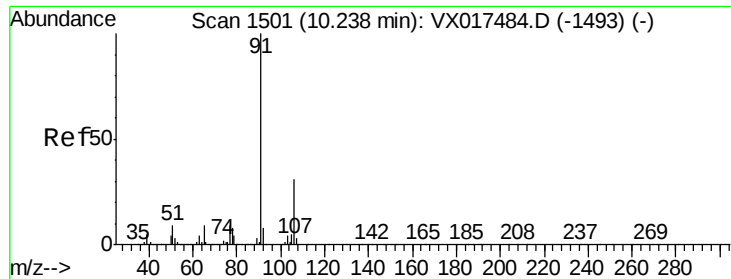
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.191 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Tgt Ion:131 Resp: 331916
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.6
119 62.3 31.1 93.3





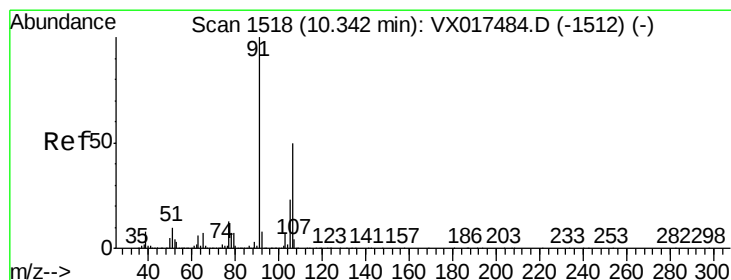
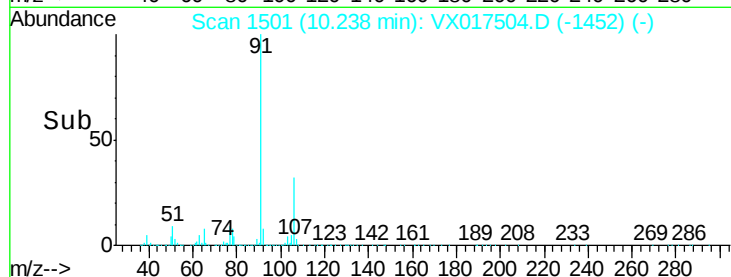
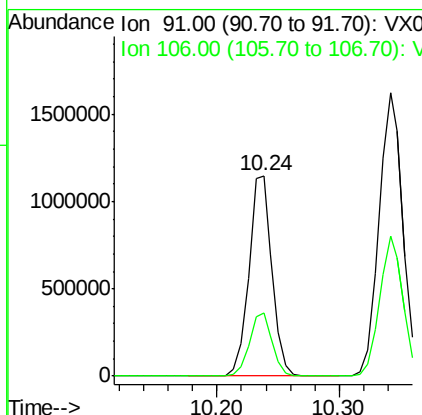
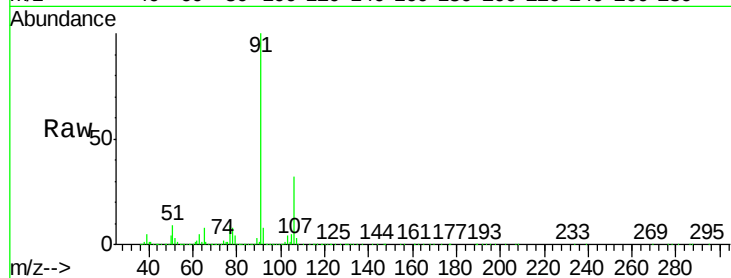
#67
Ethyl Benzene
Concen: 50.569 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1502943
Ion Ratio Lower Upper
91 100
106 31.8 25.8 38.6

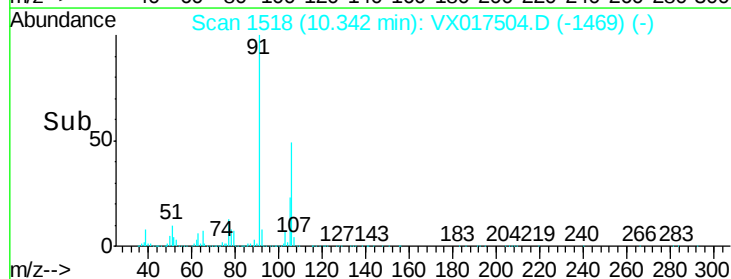
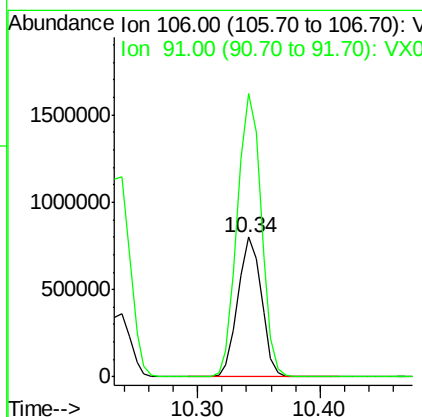
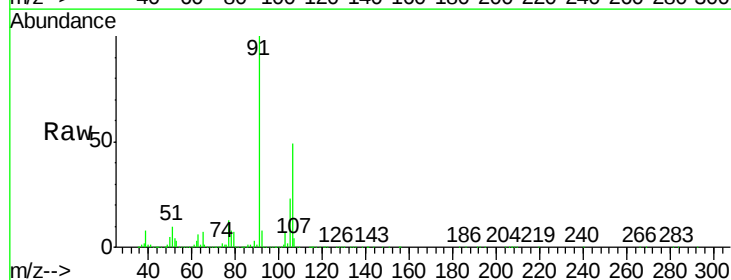
Manual Integrations
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#68
m/p-Xylenes
Concen: 92.872 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Tgt Ion: 106 Resp: 1069306
Ion Ratio Lower Upper
106 100
91 206.0 160.9 241.3





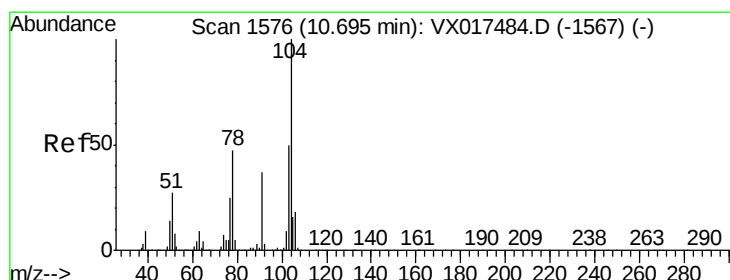
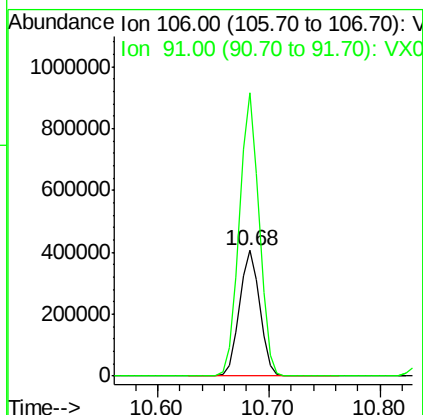
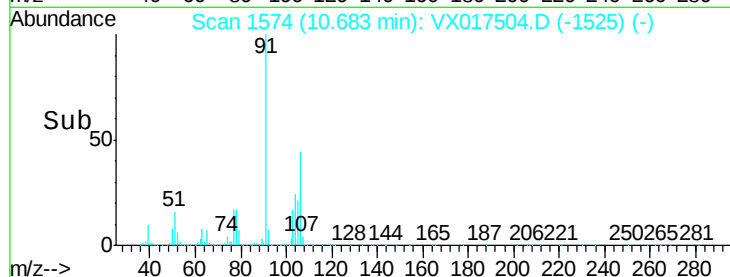
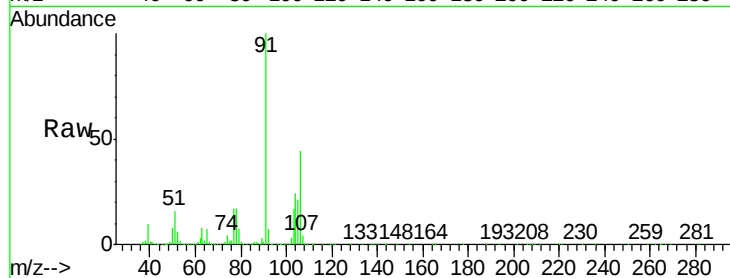
#69
o-Xylene
Concen: 46.235 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 511997
Ion Ratio Lower Upper
106 100
91 220.7 108.2 324.6

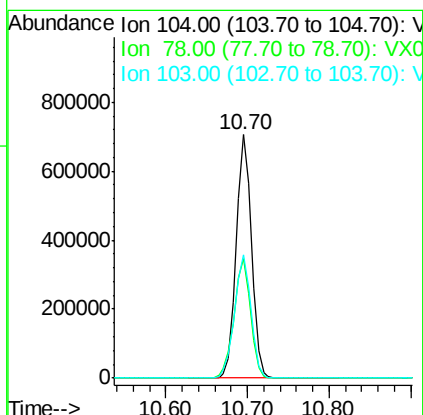
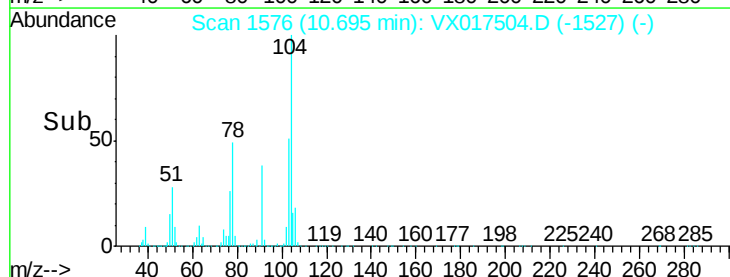
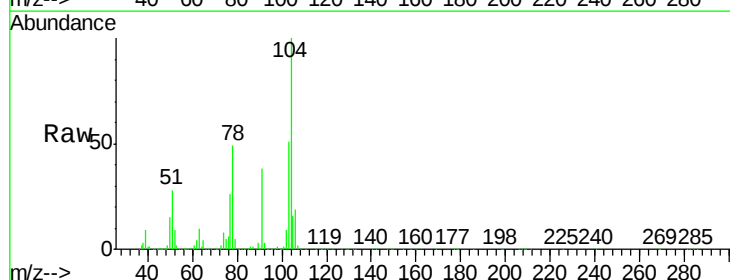
Manual Integrations
APPROVED

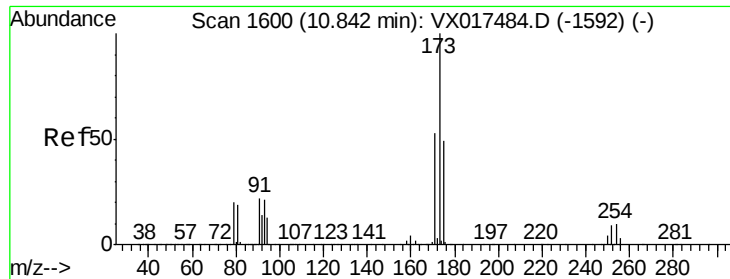
MMDadoda
7/24/2020 1:01:00 PM



#70
Styrene
Concen: 47.771 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Tgt Ion:104 Resp: 900052
Ion Ratio Lower Upper
104 100
78 52.8 42.5 63.7
103 54.7 44.3 66.5





#71

Bromoform

Concen: 46.069 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_X

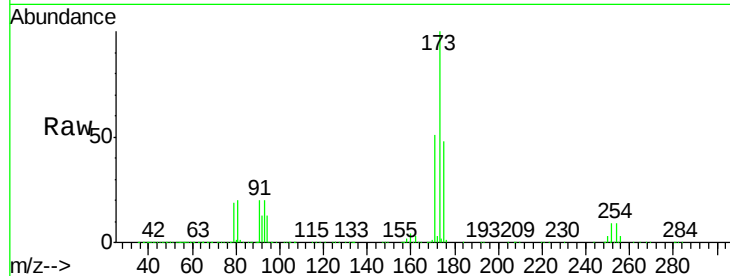
ClientSampleId :

VSTDCCC050EC

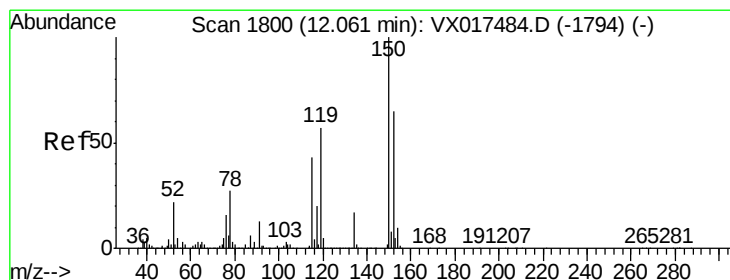
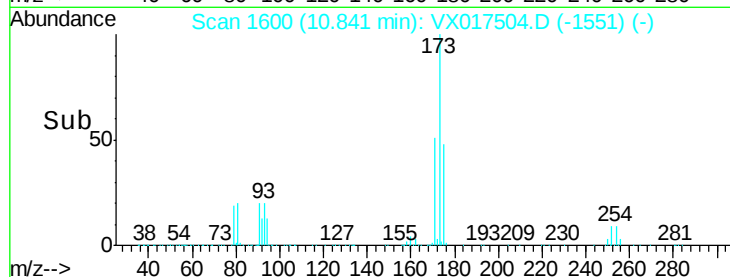
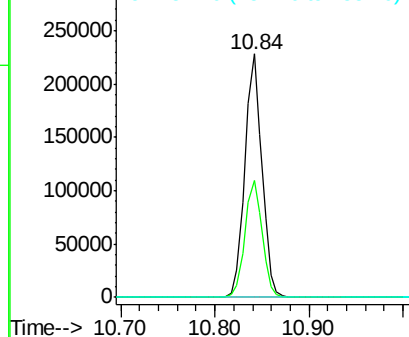
Tot Ion:	173	Resp:	286805
Ion Ratio	Lower	Upper	
173	100		
175	48.7	23.8	71.5
254	0.2	0.1	0.1#

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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

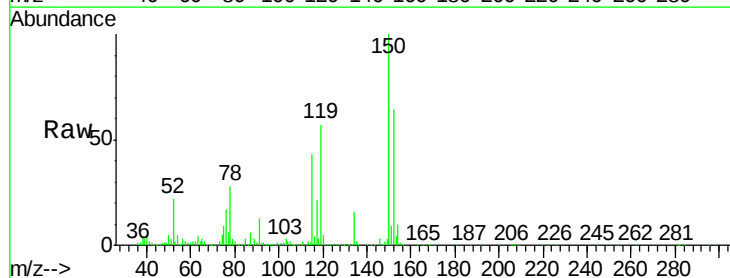
RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

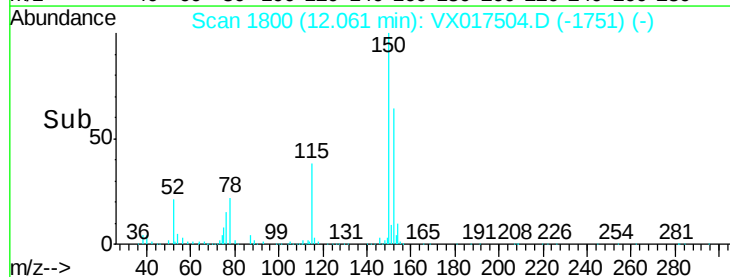
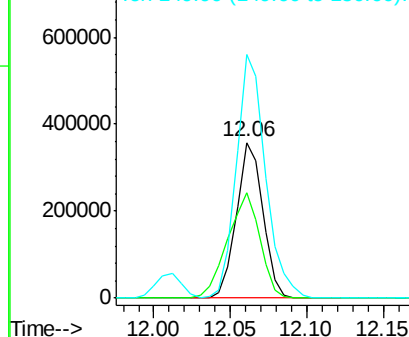
Lab File: VX017504.D

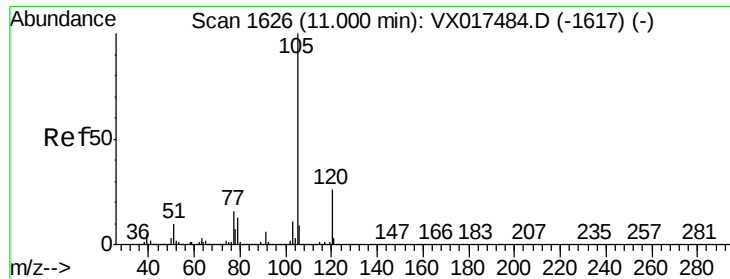
Acq: 23 Jul 2020 19:47

Tgt Ion:	152	Resp:	426762
Ion Ratio	Lower	Upper	
152	100		
115	82.2	65.5	196.6
150	174.4	0.0	412.6



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





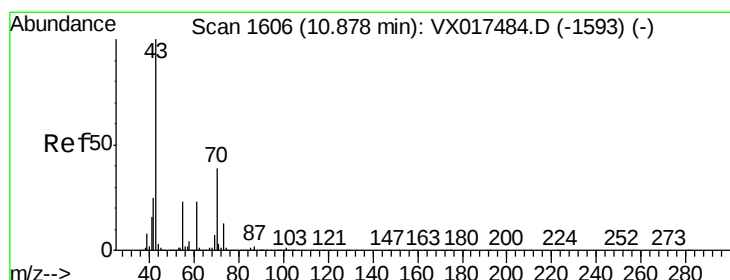
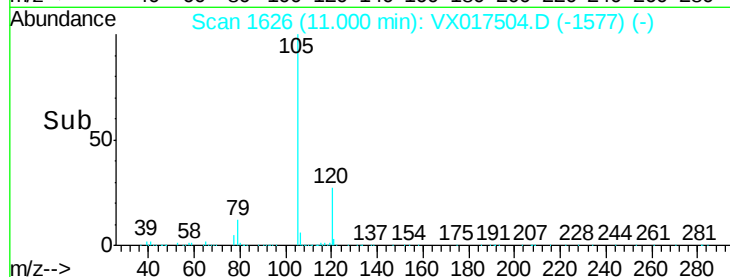
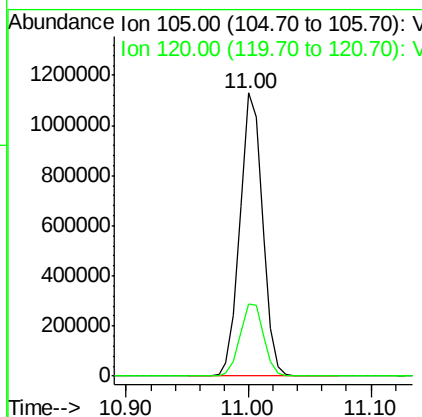
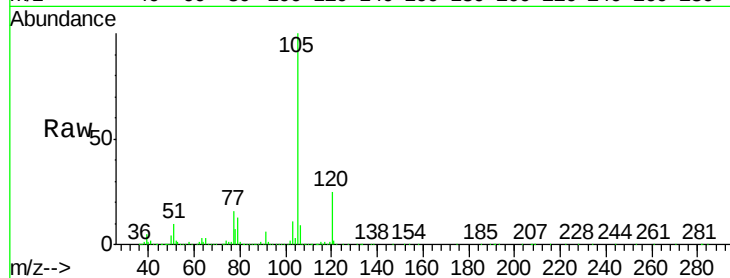
#73
Isopropylbenzene
Concen: 49.046 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1435916
Ion Ratio Lower Upper
105 100
120 26.6 13.3 39.8

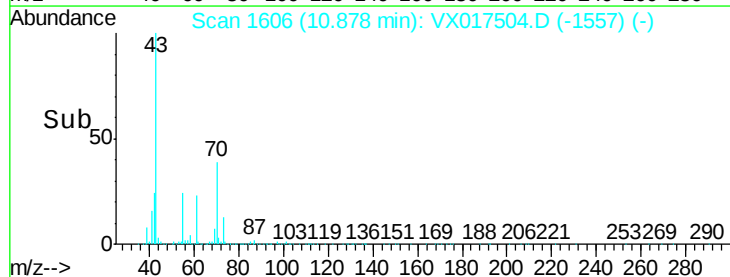
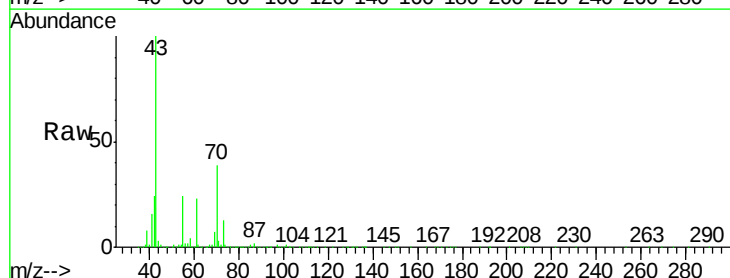
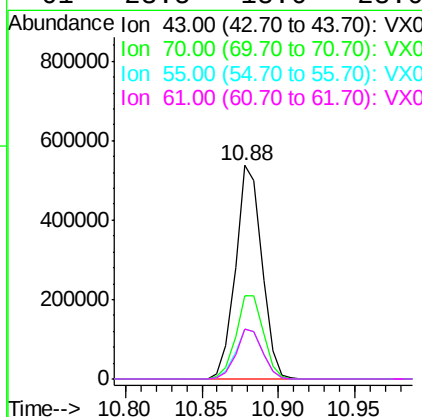
Manual Integrations
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#74
N-ethyl acetate
Concen: 49.342 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Tgt Ion: 43 Resp: 641835
Ion Ratio Lower Upper
43 100
70 40.9 32.3 48.5
55 23.8 18.4 27.6
61 23.5 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.360 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_X

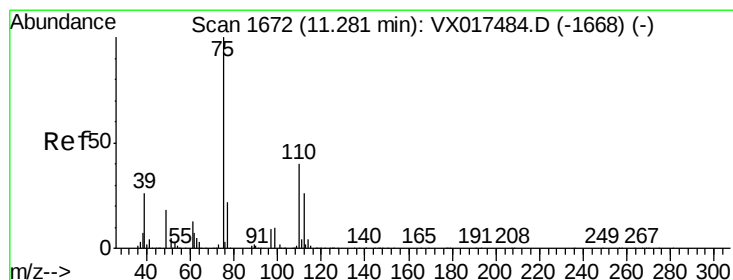
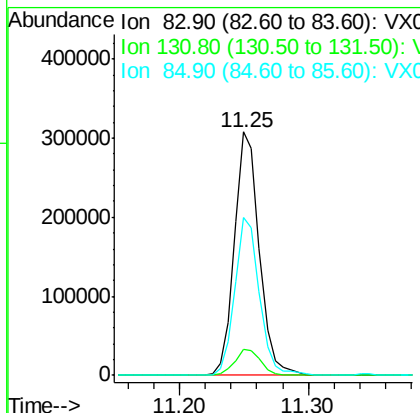
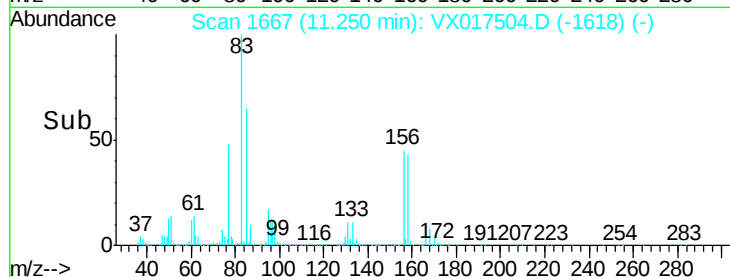
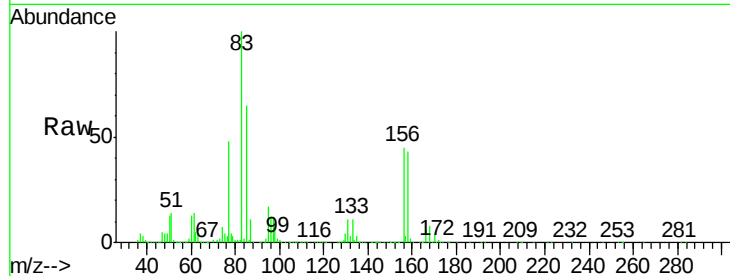
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	414513
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.5
85	64.3	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.047 ug/l m

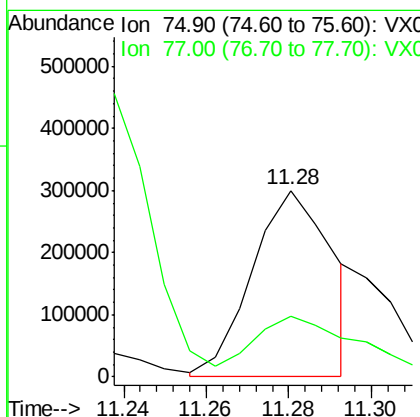
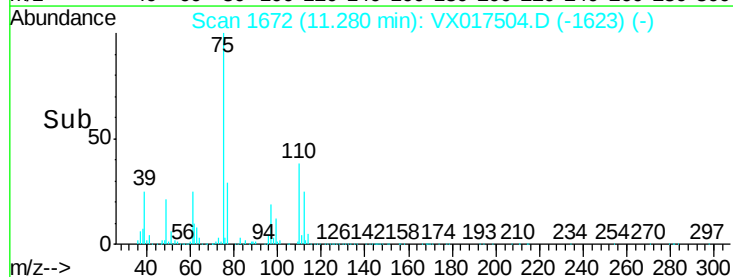
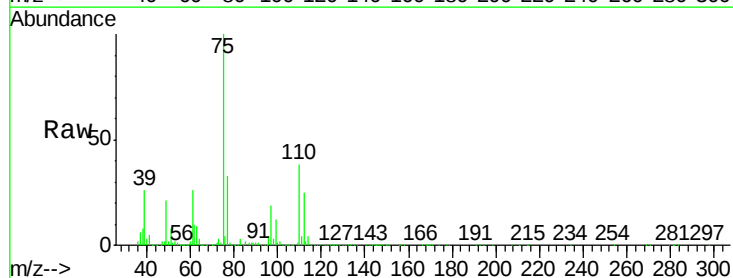
RT: 11.28 min Scan# 1672

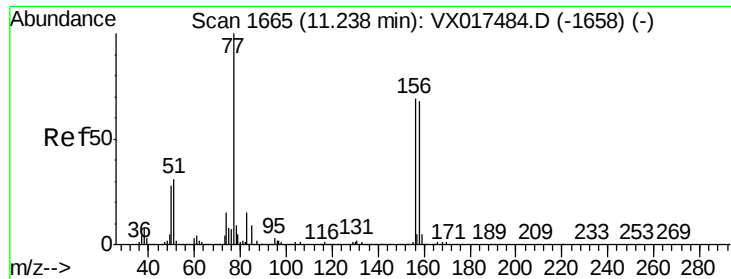
Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Tgt Ion:	75	Resp:	404234
Ion Ratio	Lower	Upper	
75	100		
77	42.6	21.8	65.3





#77

Bromobenzene

Concen: 47.170 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 386608

Ion Ratio Lower Upper

156 100

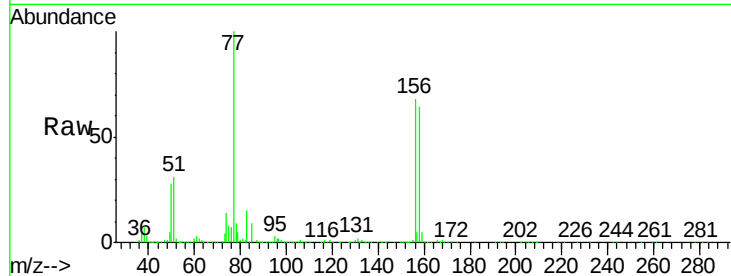
77 149.2 75.0 225.0

158 97.2 49.1 147.3

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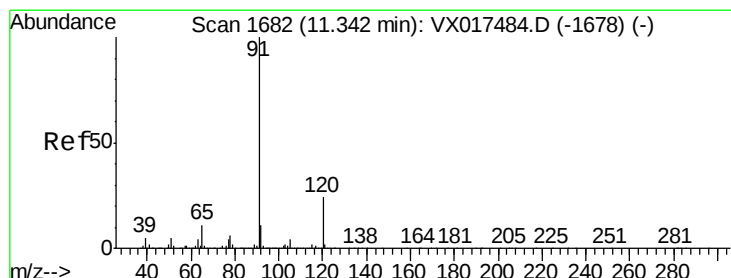
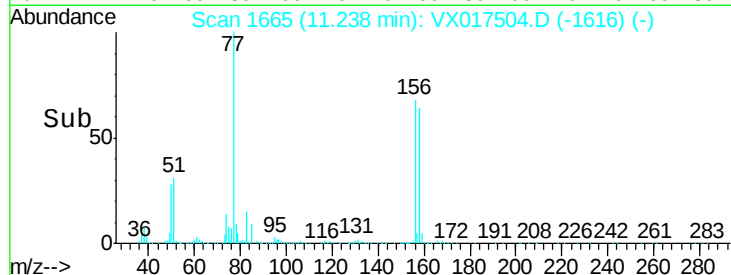
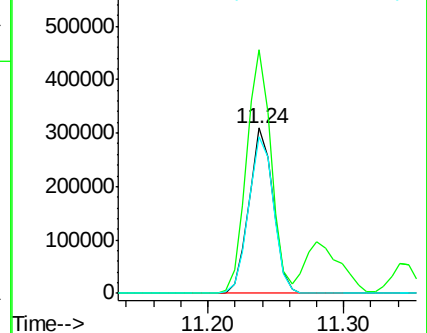
7/24/2020 1:01:00 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.498 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VX017504.D

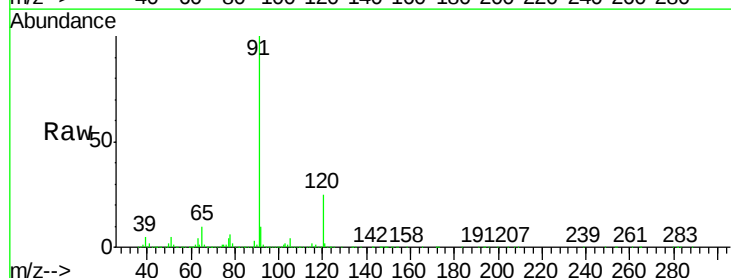
Acq: 23 Jul 2020 19:47

Tgt Ion: 91 Resp: 1667426

Ion Ratio Lower Upper

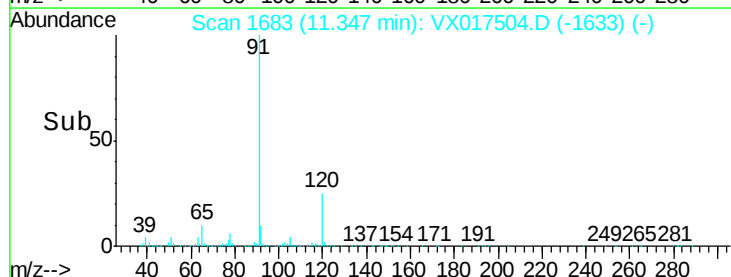
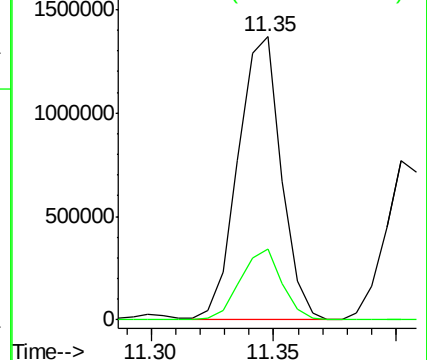
91 100

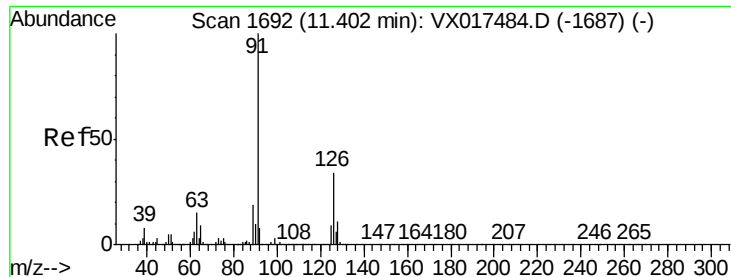
120 24.3 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





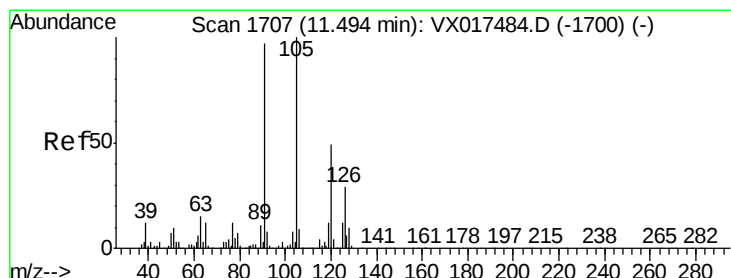
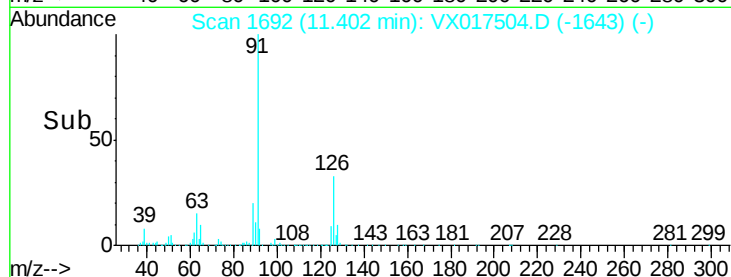
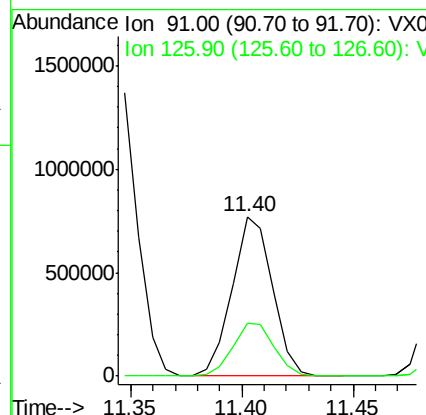
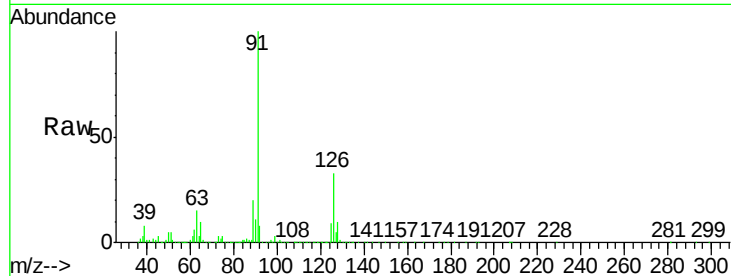
#79
2-Chlorotoluene
Concen: 47.518 ug/l
RT: 11.40 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.5	52.5

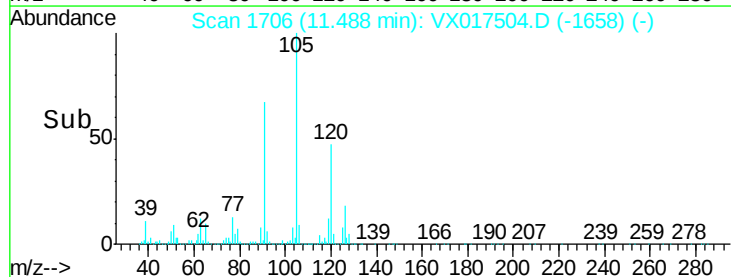
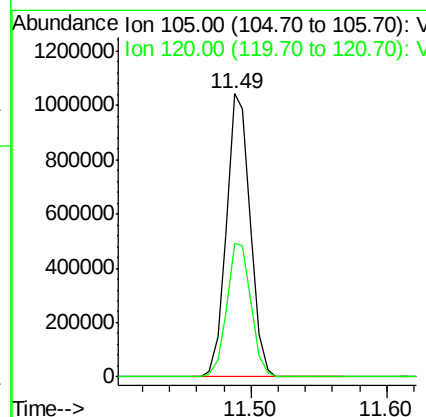
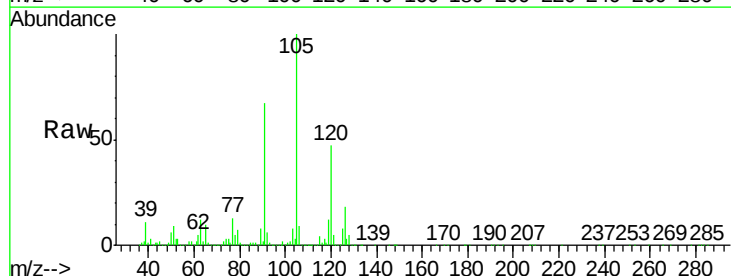
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#80
1,3,5-Trimethylbenzene
Concen: 50.221 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. -0.01 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.1	72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 47.663 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_X

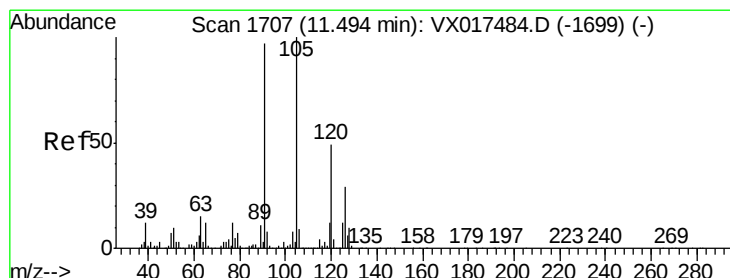
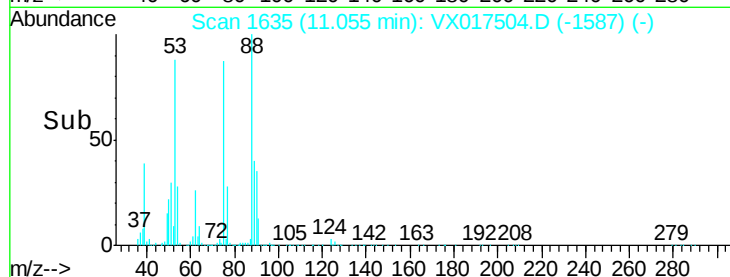
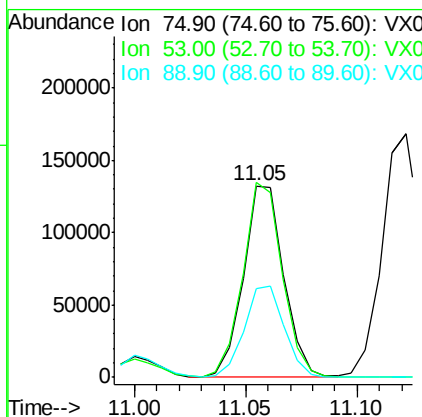
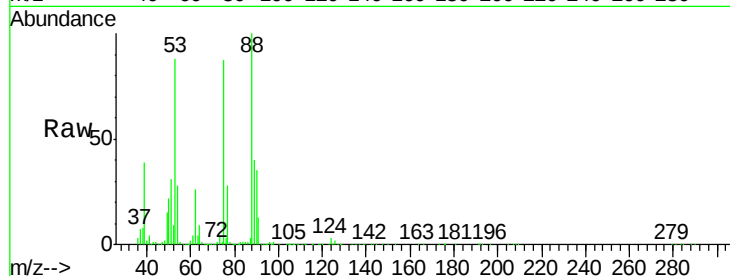
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	166054
Ion	Ratio	Lower	Upper
75	100		
53	99.6	75.9	113.9
89	47.7	37.8	56.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.139 ug/l

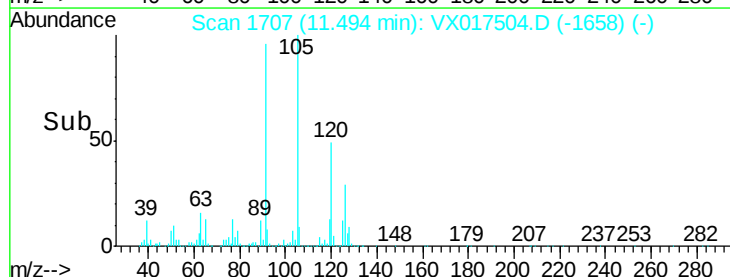
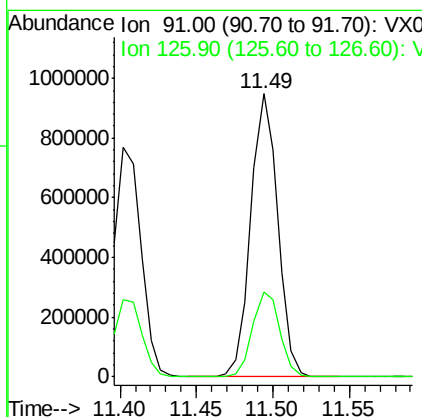
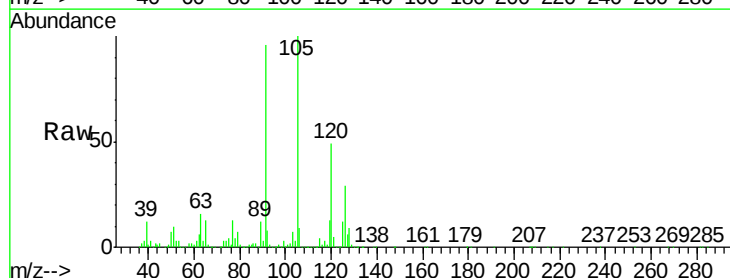
RT: 11.49 min Scan# 1707

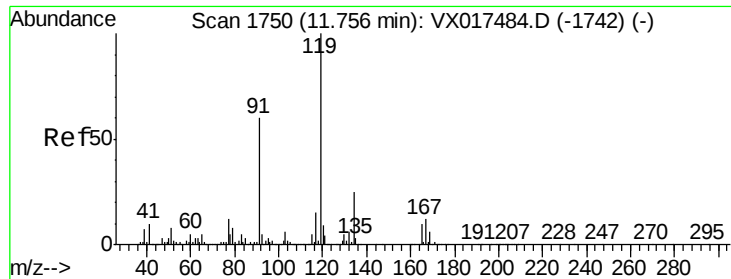
Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Tgt Ion:	91	Resp:	1161494
Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.2	45.6





#83

tert-Butylbenzene

Concen: 49.868 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_X

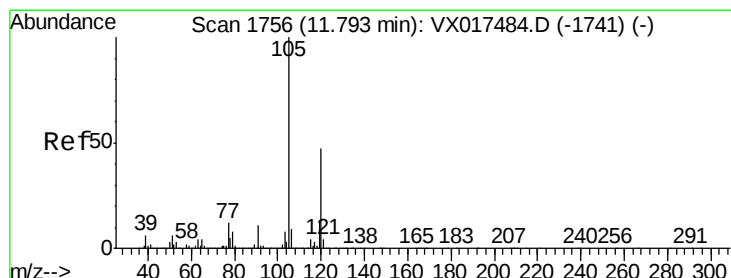
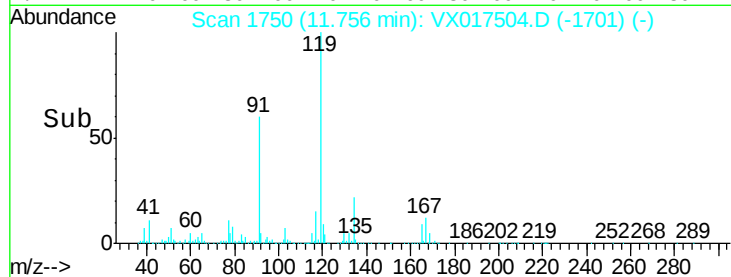
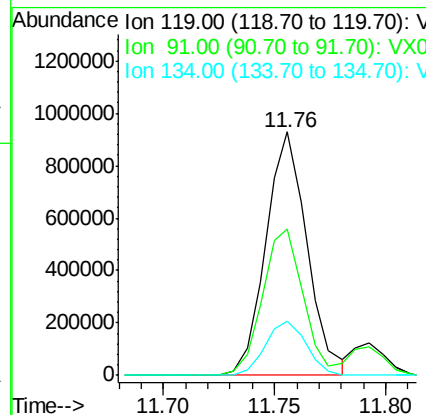
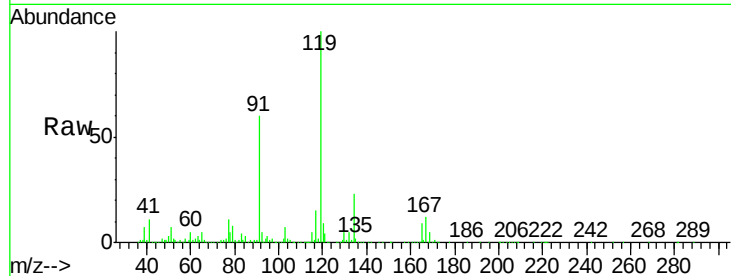
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	1192751
Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.3	88.0
134	22.3	11.2	33.6

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#84

1,2,4-Trimethylbenzene

Concen: 49.317 ug/l

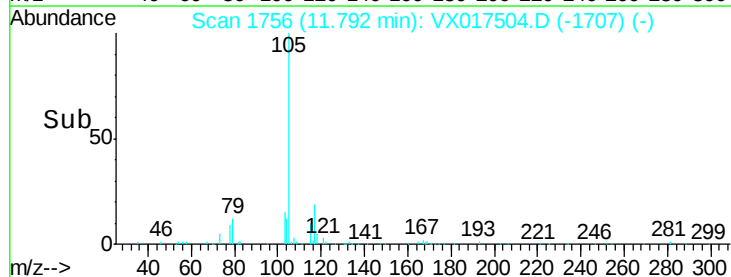
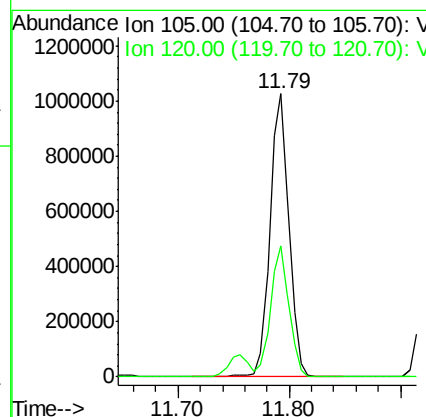
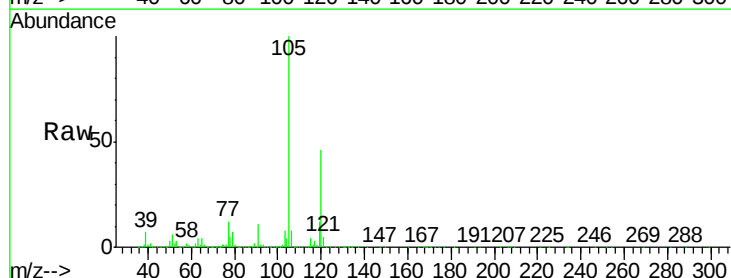
RT: 11.79 min Scan# 1756

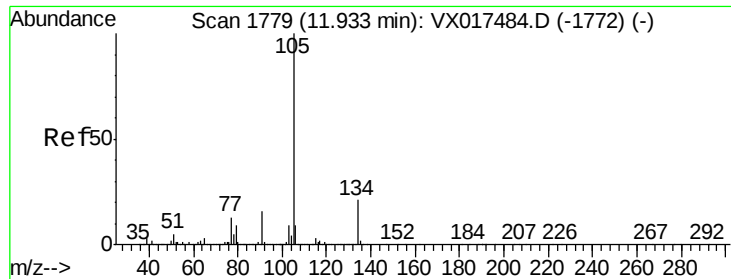
Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Tgt Ion:	105	Resp:	1226117
Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.7	68.0





#85

sec-Butylbenzene

Concen: 50.267 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1400581

Ion Ratio Lower Upper

105 100

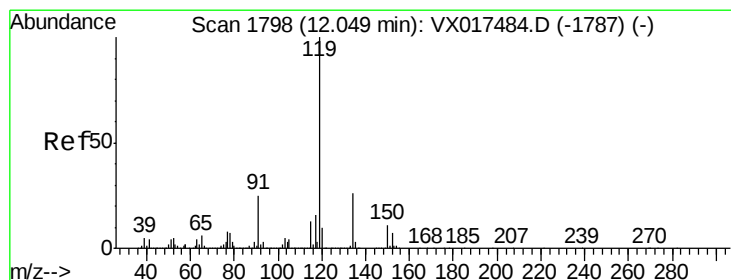
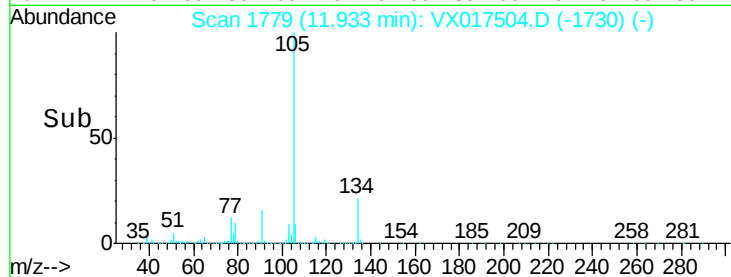
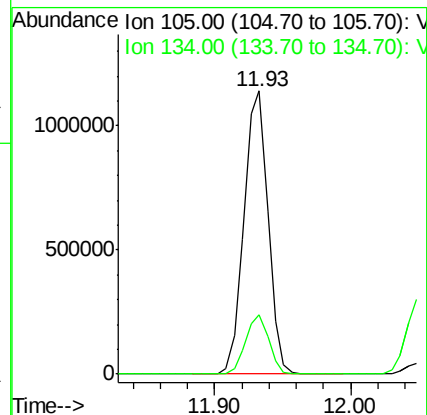
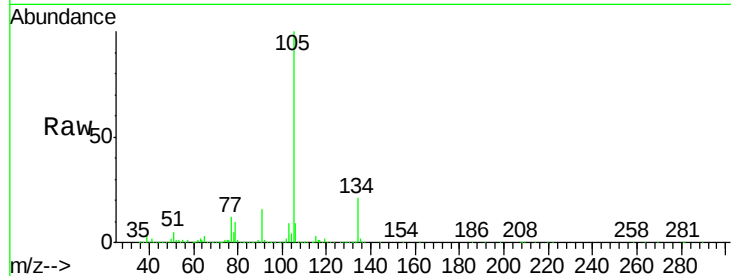
134 20.4 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.600 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

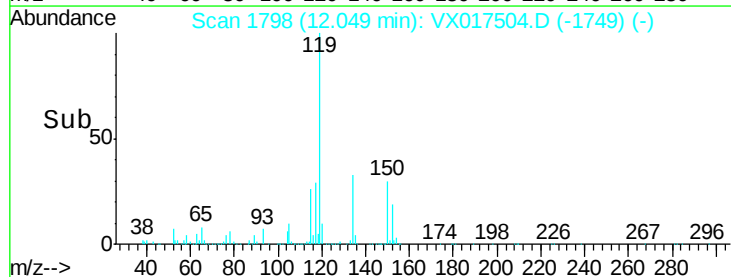
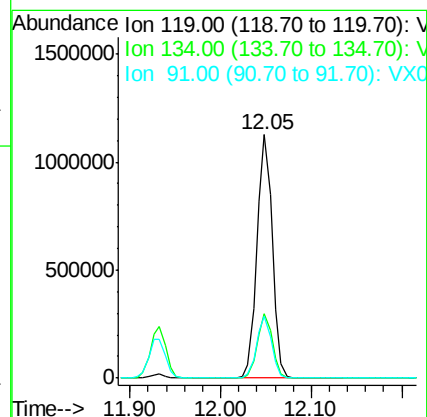
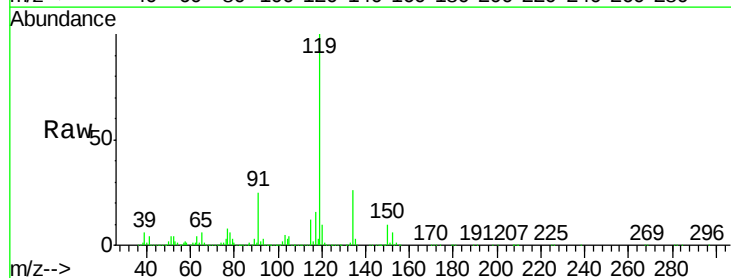
Tgt Ion:119 Resp: 1316086

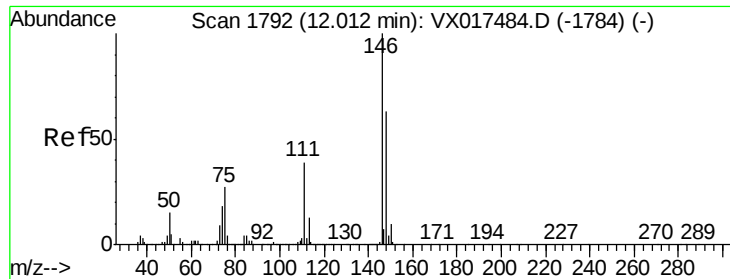
Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

91 24.5 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 48.996 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX017504.D

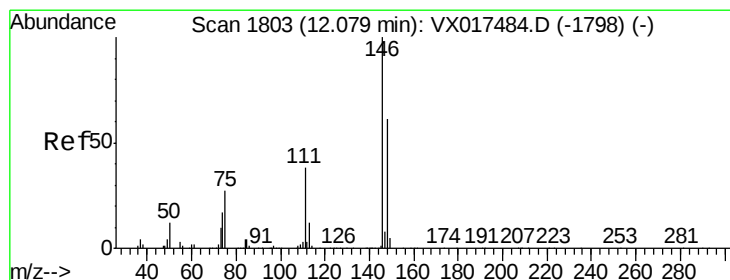
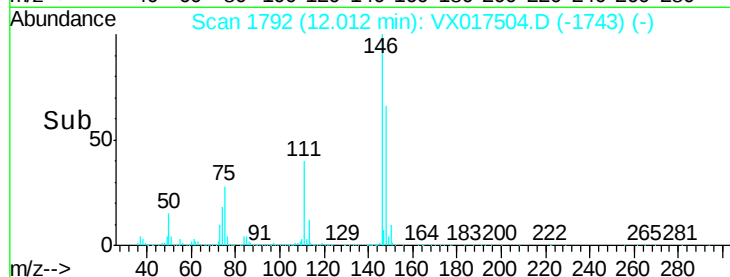
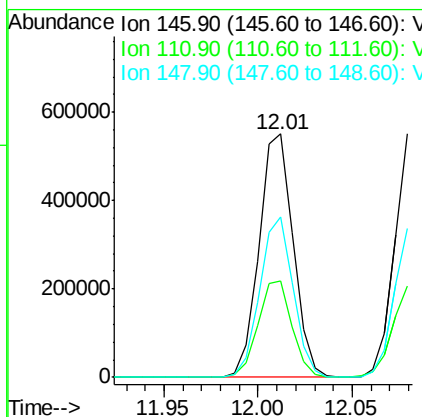
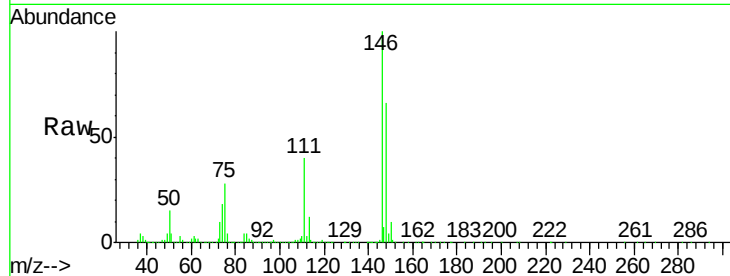
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.9	59.7
148	64.4	31.6	95.0

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#88

1,4-Dichlorobenzene

Concen: 45.872 ug/l

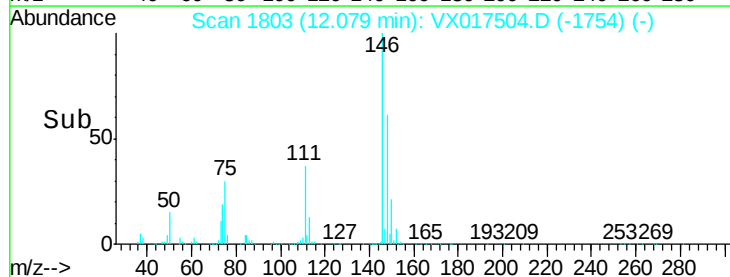
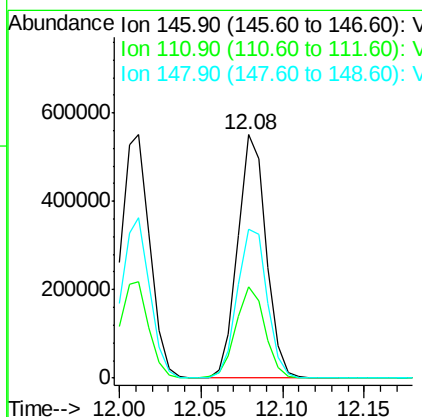
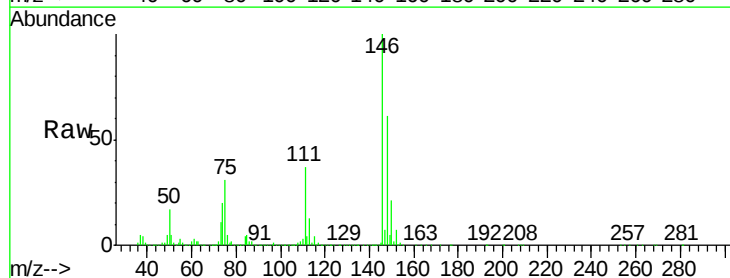
RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.8
148	64.2	32.2	96.6





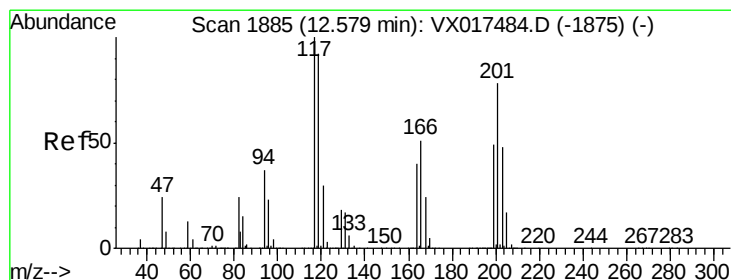
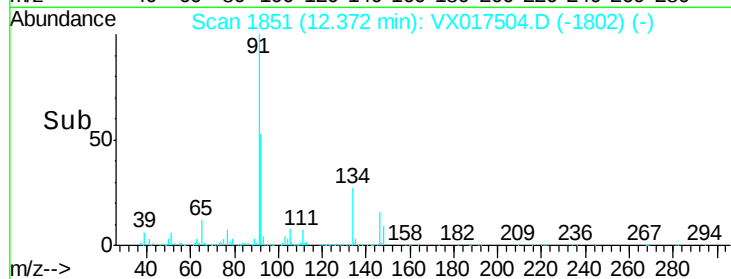
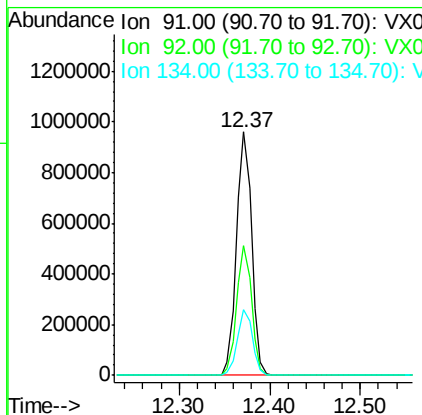
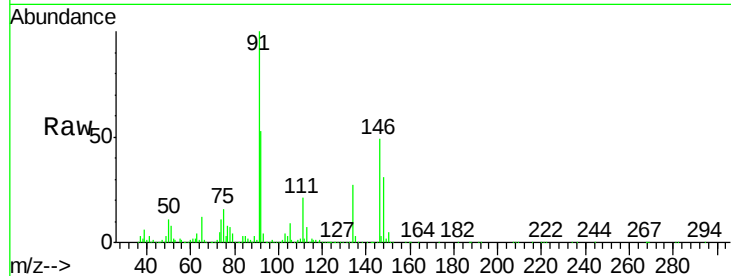
#89
n-Butylbenzene
Concen: 47.013 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1111558
Ion Ratio Lower Upper
91 100
92 52.7 26.7 80.1
134 26.8 13.6 40.7

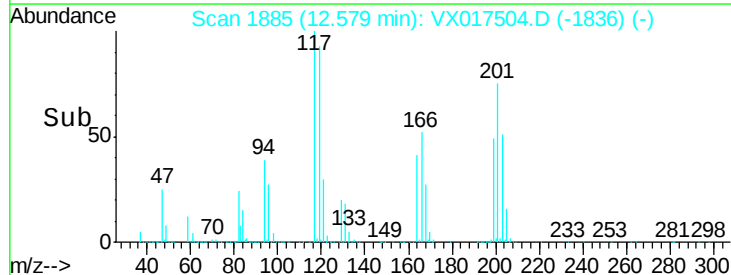
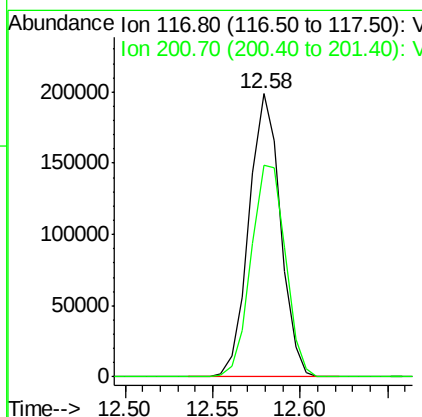
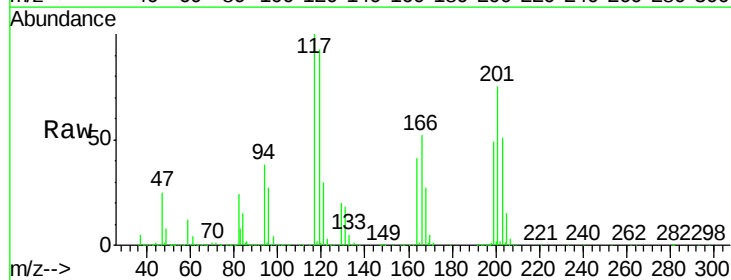
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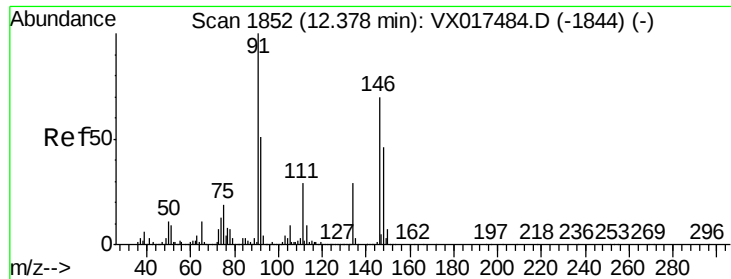
MMDadoda
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#90
Hexachloroethane
Concen: 47.568 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX017504.D
Acq: 23 Jul 2020 19:47

Tgt Ion: 117 Resp: 248837
Ion Ratio Lower Upper
117 100
201 81.6 42.2 126.6





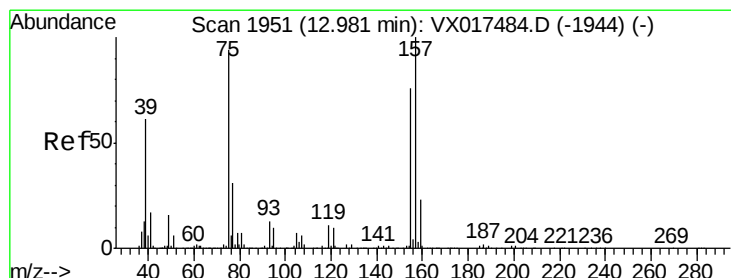
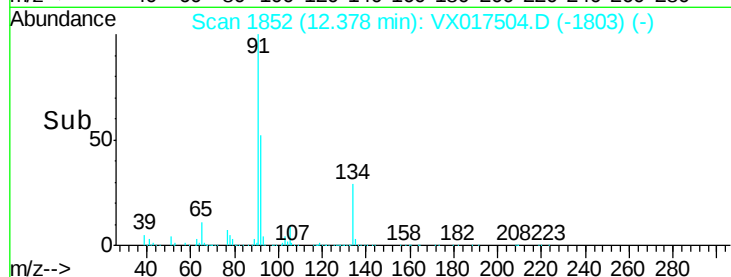
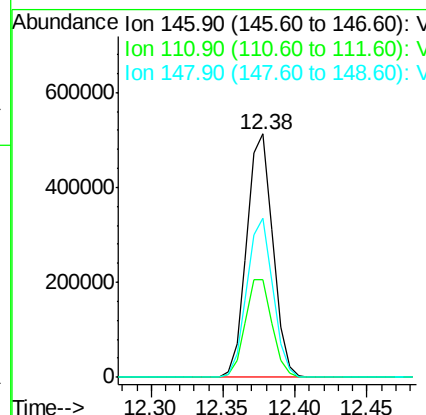
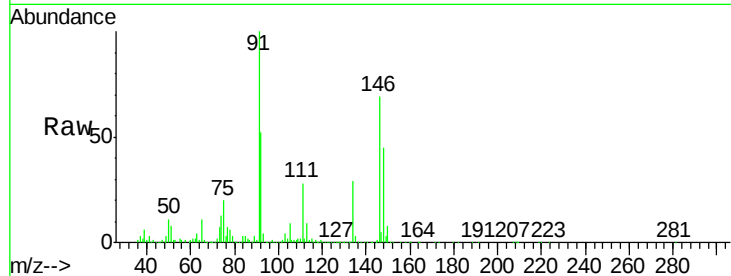
#91
 1,2-Dichlorobenzene
 Concen: 46.473 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX017504.D
 Acq: 23 Jul 2020 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.9	62.8
148	65.4	32.8	98.4

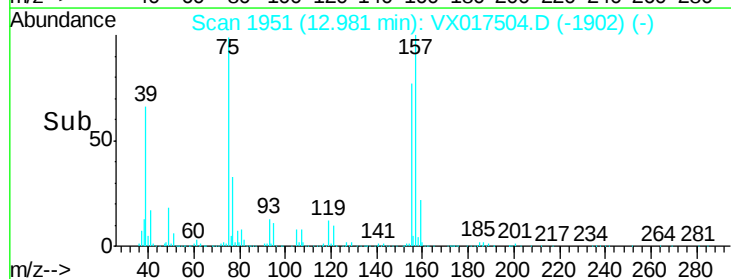
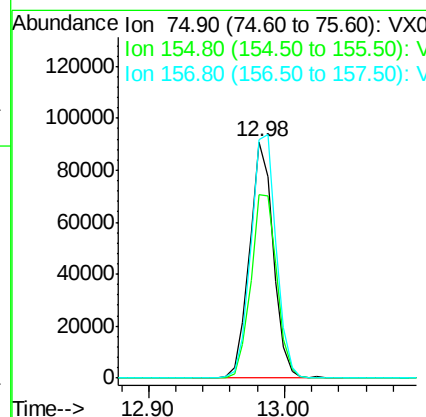
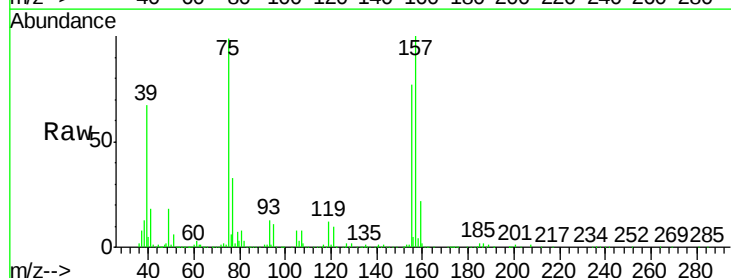
Manual Integrations
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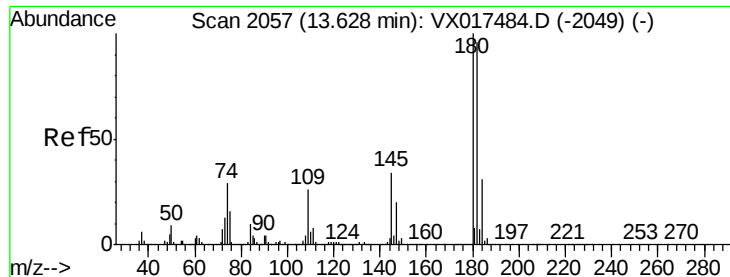
MMDadoda
 7/24/2020 1:01:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.222 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017504.D
 Acq: 23 Jul 2020 19:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.1	42.3	126.8
157	110.0	54.3	162.9





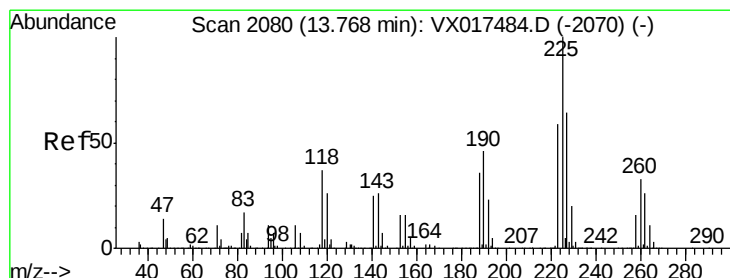
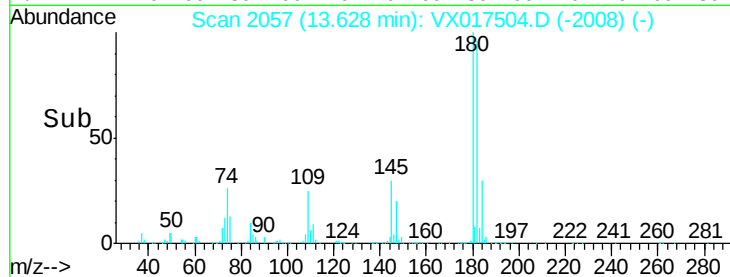
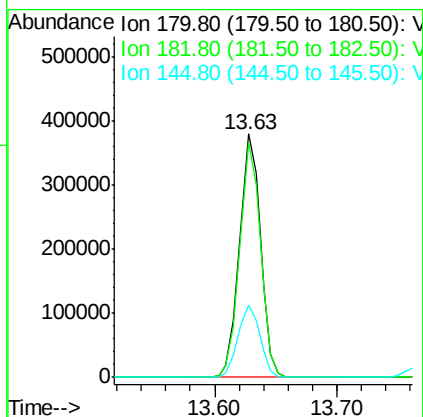
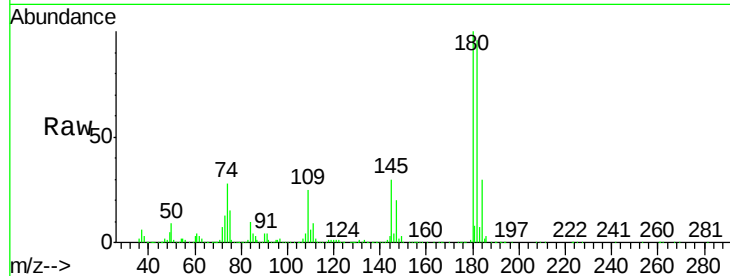
#93
 1,2,4-Trichlorobenzene
 Concen: 47.639 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017504.D
 Acq: 23 Jul 2020 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	449750		
182	95.5	47.5	142.6	
145	30.9	15.4	46.4	

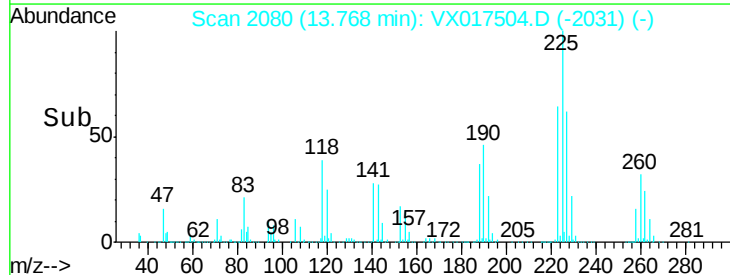
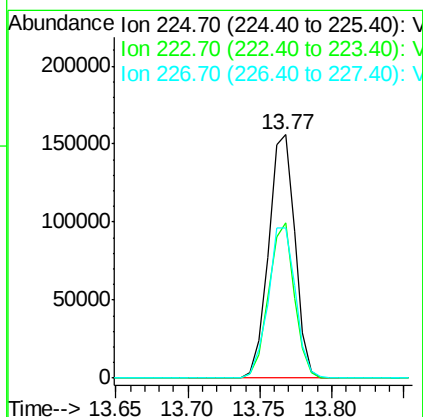
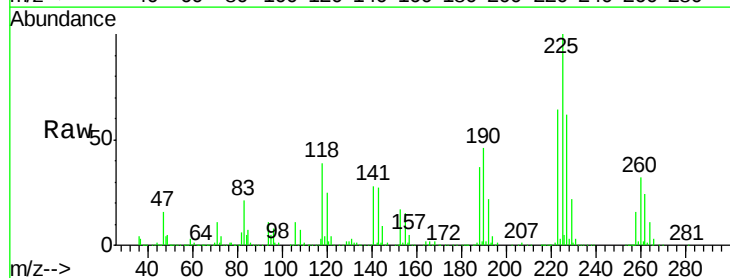
Manual Integrations
 APPROVED

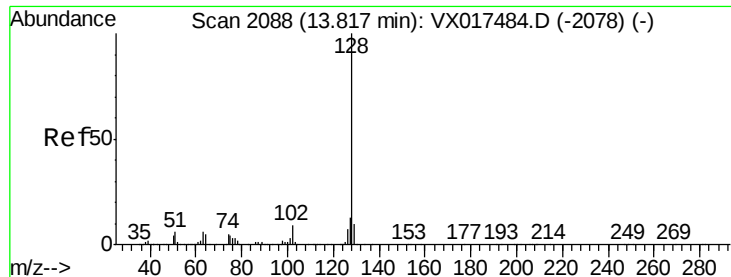
MMDadoda
 7/24/2020 1:01:00 PM



#94
 Hexachlorobutadiene
 Concen: 45.358 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX017504.D
 Acq: 23 Jul 2020 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	197116		
223	61.9	30.3	90.9	
227	64.1	31.1	93.2	





#95

Naphthalene

Concen: 50.991 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1437059

Ion Ratio Lower Upper

128 100

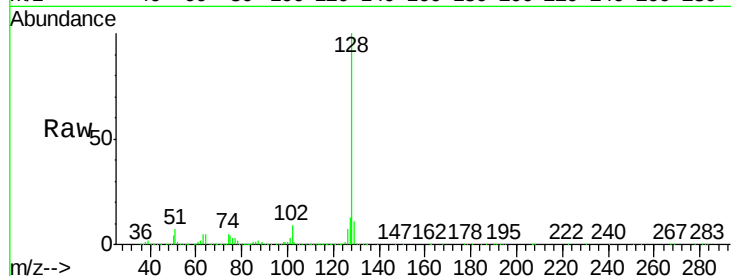
127 12.9 10.4 15.6

129 10.8 8.9 13.3

Manual Integrations
APPROVED

MMDadoda

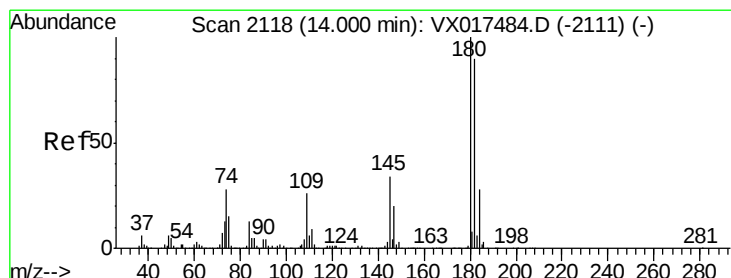
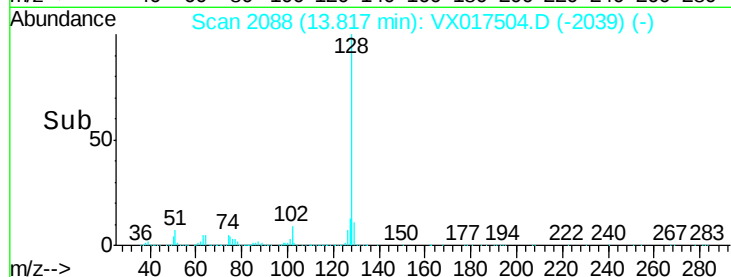
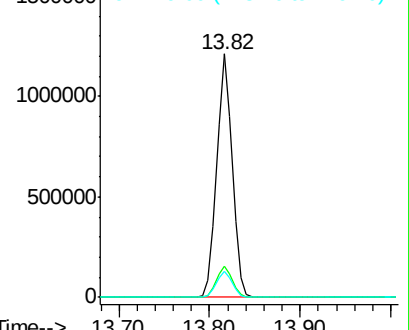
7/24/2020 1:01:00 PM



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: 48.955 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX017504.D

Acq: 23 Jul 2020 19:47

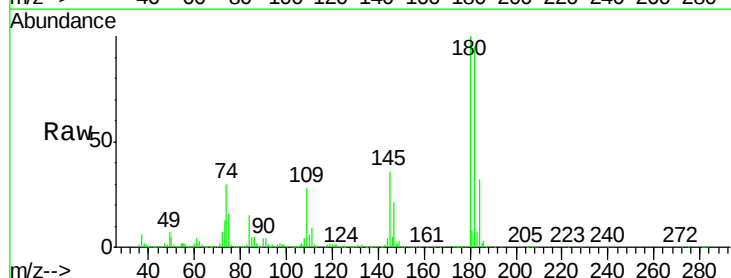
Tgt Ion:180 Resp: 456351

Ion Ratio Lower Upper

180 100

182 95.7 47.4 142.3

145 33.2 16.3 48.9



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

