

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042820\
 Data File : VX015966.D
 Acq On : 28 Apr 2020 16:54
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 4/30/2020 3:00:00 PM

Quant Time: Apr 28 17:25:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:15:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	254246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	405754	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	381140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	212167	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	502573	151.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.38%	
35) Dibromofluoromethane	5.47	113	390473	154.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.54%	
50) Toluene-d8	8.70	98	1456695	153.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.86%	
62) 4-Bromofluorobenzene	11.12	95	599387	161.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	322.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	353822	155.518	ug/l	99
3) Chloromethane	1.31	50	399273	144.806	ug/l	97
4) Vinyl Chloride	1.39	62	458761	146.505	ug/l	100
5) Bromomethane	1.62	94	273461	130.084	ug/l	100
6) Chloroethane	1.69	64	313783	150.646	ug/l	100
7) Trichlorofluoromethane	1.90	101	705444	149.047	ug/l	99
8) Diethyl Ether	2.17	74	289640	146.584	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.36	101	345523	146.455	ug/l	100
10) Methyl Iodide	2.48	142	523953	159.203	ug/l	99
11) Tert butyl alcohol	3.04	59	618190	766.115	ug/l	100
12) 1,1-Dichloroethene	2.35	96	355931	146.320	ug/l	99
13) Acrolein	2.28	56	162613	801.895	ug/l	98
14) Allyl chloride	2.70	41	662220	150.975	ug/l	100
15) Acrylonitrile	3.12	53	1210152	756.365	ug/l	99
16) Acetone	2.43	43	1052426	740.375	ug/l	99
17) Carbon Disulfide	2.54	76	1035204	132.866	ug/l	99
18) Methyl Acetate	2.75	43	605079	150.004	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	1336628	151.922	ug/l	99
20) Methylene Chloride	2.83	84	404565	143.771	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	399527	145.734	ug/l	98
22) Diisopropyl ether	3.83	45	1315915	152.596	ug/l	91
23) Vinyl Acetate	3.79	43	5825674	777.685	ug/l	99
24) 1,1-Dichloroethane	3.67	63	724751	150.869	ug/l	100
25) 2-Butanone	4.64	43	1756190	762.407	ug/l	98
26) 2,2-Dichloropropane	4.55	77	655179	149.165	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	458970	147.530	ug/l	99
28) Bromochloromethane	4.98	49	345028	148.423	ug/l	99
29) Tetrahydrofuran	5.09	42	1139462	754.810	ug/l	100
30) Chloroform	5.18	83	750343	150.210	ug/l	98
31) Cyclohexane	5.55	56	634002	148.248	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	692676	150.605	ug/l	100
36) 1,1-Dichloropropene	5.77	75	559389	144.748	ug/l	99
37) Ethyl Acetate	4.80	43	677235	152.826	ug/l	99
38) Carbon Tetrachloride	5.76	117	614562	150.558	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	659373	147.505	ug/l	98
40) Benzene	6.12	78	1626210	147.480	ug/l	99
41) Methacrylonitrile	5.01	41	361769	152.516	ug/l	99
42) 1,2-Dichloroethane	6.17	62	626467	146.629	ug/l	100
43) Isopropyl Acetate	6.42	43	1119753	152.593	ug/l	100
44) Trichloroethene	7.19	130	536877	135.081	ug/l	99
45) 1,2-Dichloropropane	7.49	63	418760	146.946	ug/l	100
46) Dibromomethane	7.64	93	301156	148.723	ug/l	99
47) Bromodichloromethane	7.88	83	620731	154.259	ug/l	99
48) Methyl methacrylate	7.75	41	533980	157.607	ug/l	99
49) 1,4-Dioxane	7.72	88	239568	3005.740	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	3486992	783.406	ug/l	99
52) Toluene	8.77	92	1057916	151.145	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	730463	152.989	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	741133	150.924	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	430906	154.052	ug/l	99
56) Ethyl methacrylate	9.16	69	744536	163.698	ug/l	99
57) 1,3-Dichloropropane	9.35	76	723074	150.453	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	1838545	782.240	ug/l	99
59) 2-Hexanone	9.48	43	2767570	795.613	ug/l	99
60) Dibromochloromethane	9.57	129	516123	164.857	ug/l	98
61) 1,2-Dibromoethane	9.66	107	467487	154.124	ug/l	99
64) Tetrachloroethene	9.32	164	621543	137.465	ug/l	98
65) Chlorobenzene	10.12	112	1147803	147.859	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	456664	155.646	ug/l	99
67) Ethyl Benzene	10.24	91	2045891	147.990	ug/l	100
68) m/p-Xylenes	10.35	106	1590409	303.180	ug/l	98
69) o-Xylene	10.68	106	771832	154.971	ug/l	100
70) Styrene	10.70	104	1386784	162.275	ug/l	99
71) Bromoform	10.84	173	415865	174.963	ug/l #	100
73) Isopropylbenzene	11.01	105	2066406	143.170	ug/l	99
74) N-amyl acetate	10.88	43	1045448	150.185	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	528880	189.036	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	626681m	112.786	ug/l	
77) Bromobenzene	11.24	156	537939	144.792	ug/l	99
78) n-propylbenzene	11.35	91	2413074	145.335	ug/l	100
79) 2-Chlorotoluene	11.41	91	1420649	143.608	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	1802086	148.220	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	290519	154.211	ug/l	98
82) 4-Chlorotoluene	11.49	91	1735277	146.662	ug/l	99
83) tert-Butylbenzene	11.76	119	1557054	148.528	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	1840337	150.399	ug/l	99
85) sec-Butylbenzene	11.93	105	2090959	148.043	ug/l	100
86) p-Isopropyltoluene	12.05	119	1969032	148.835	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	991517	146.348	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	997633	145.698	ug/l	99
89) n-Butylbenzene	12.37	91	1823718	152.565	ug/l	100
90) Hexachloroethane	12.58	117	375273	160.544	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	961511	148.413	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	178421	149.732	ug/l	98

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ClientSampleId :
VSTDICC150

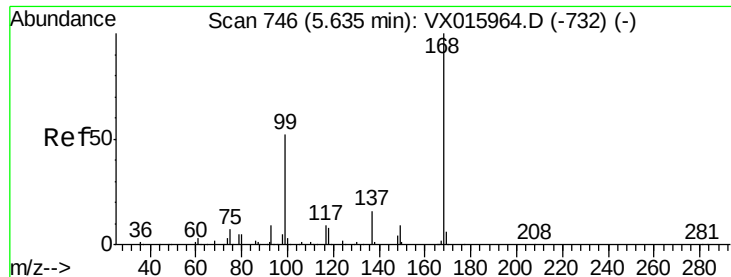
Manual Integrations
APPROVED

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4/30/2020 3:00:00 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	718453	147.749	ug/l	98
94) Hexachlorobutadiene	13.77	225	317120	145.965	ug/l	97
95) Naphthalene	13.82	128	2319237	151.222	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	699965	149.494	ug/l	98

(#) = 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: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 254246

Ion Ratio Lower Upper

168 100

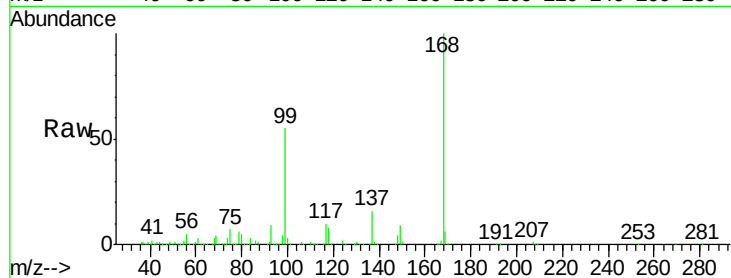
99 54.7 41.7 62.5

Manual Integrations

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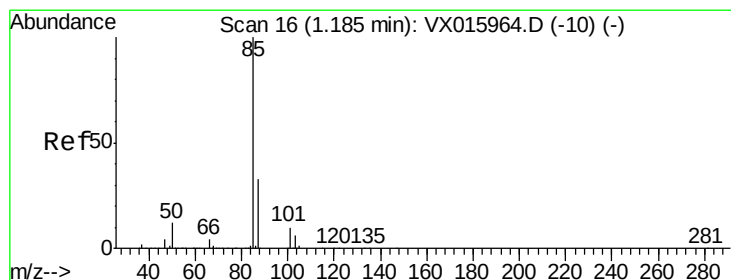
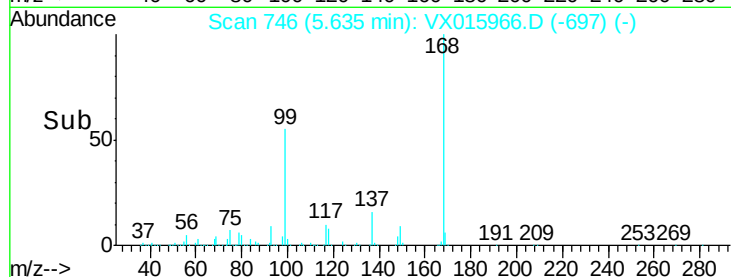
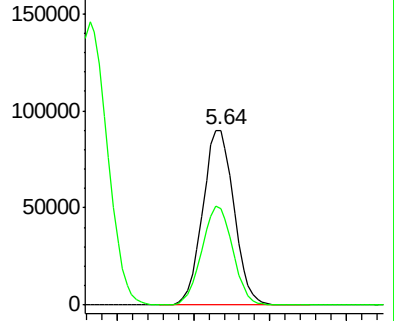
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 155.518 ug/l

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX015966.D

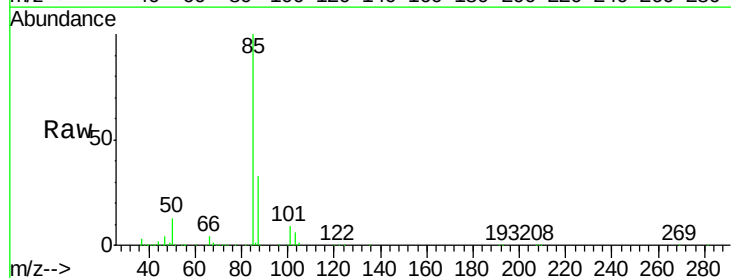
Acq: 28 Apr 2020 16:54

Tgt Ion: 85 Resp: 353822

Ion Ratio Lower Upper

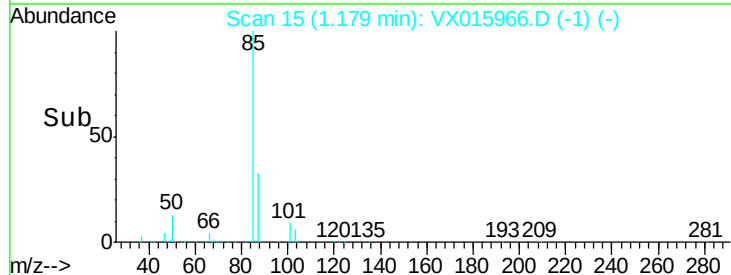
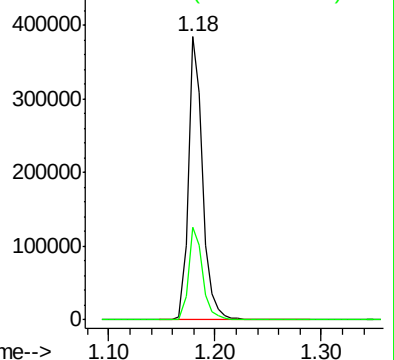
85 100

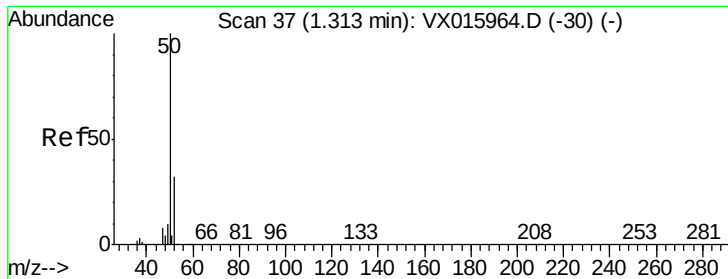
87 32.6 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 144.806 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 399273

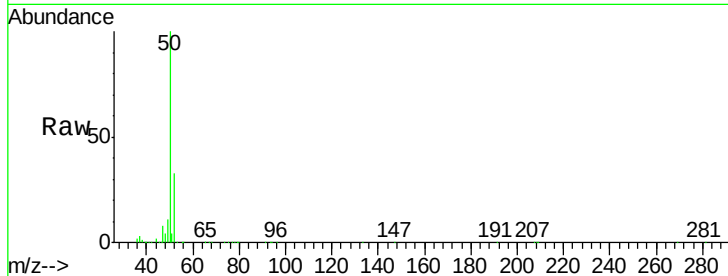
Ion Ratio Lower Upper

50 100

52 33.3 25.5 38.3

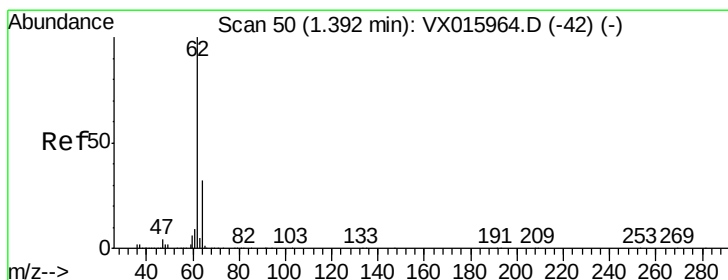
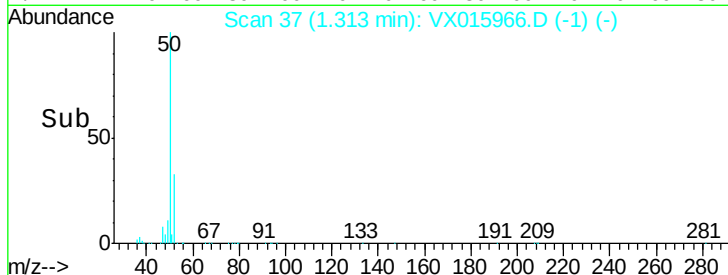
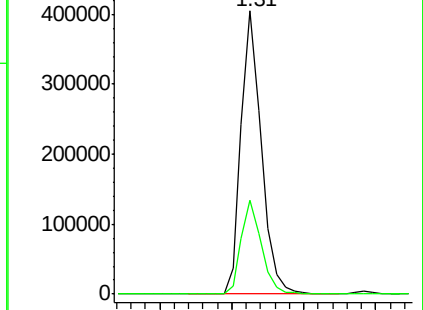
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 146.505 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015966.D

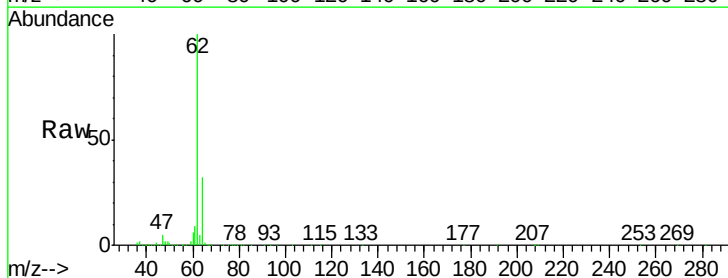
Acq: 28 Apr 2020 16:54

Tgt Ion: 62 Resp: 458761

Ion Ratio Lower Upper

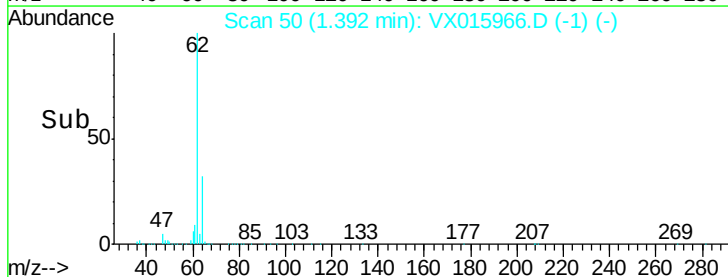
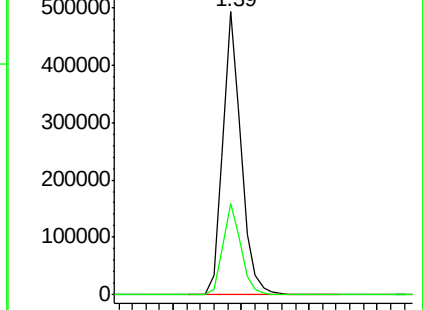
62 100

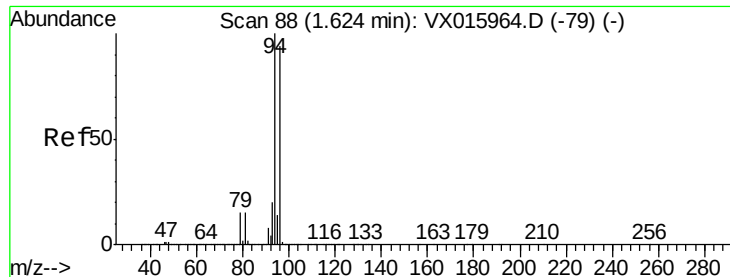
64 32.1 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 130.084 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 273461

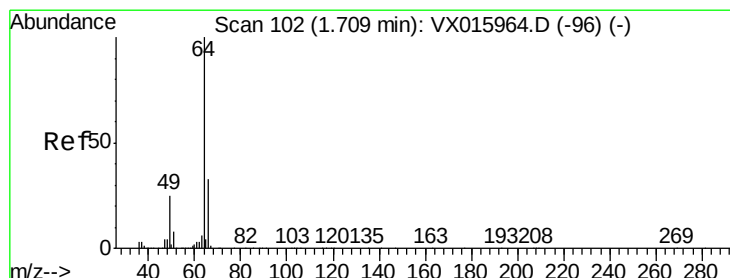
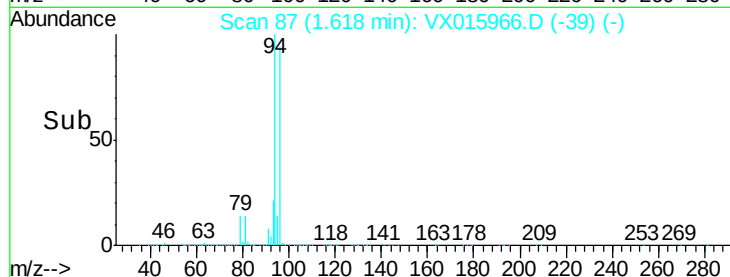
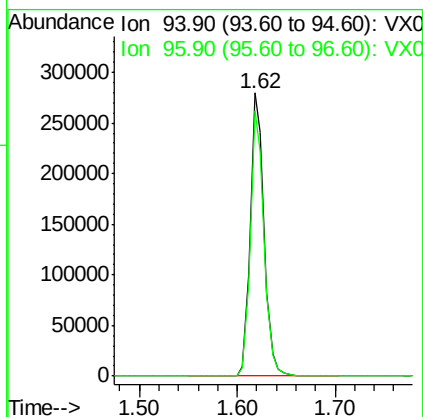
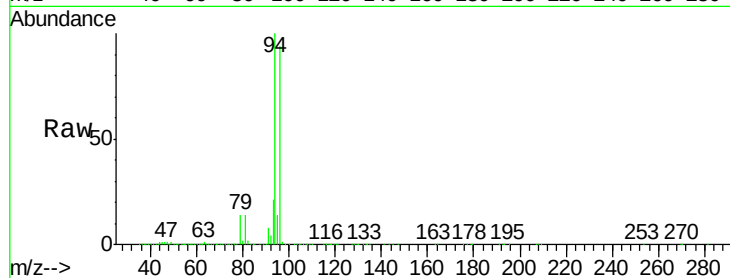
Ion Ratio Lower Upper

94 100

96 93.6 74.9 112.3

Manual Integrations
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#6

Chloroethane

Concen: 150.646 ug/l

RT: 1.69 min Scan# 99

Delta R.T. -0.02 min

Lab File: VX015966.D

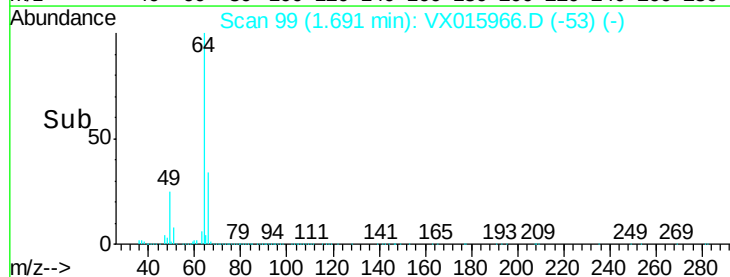
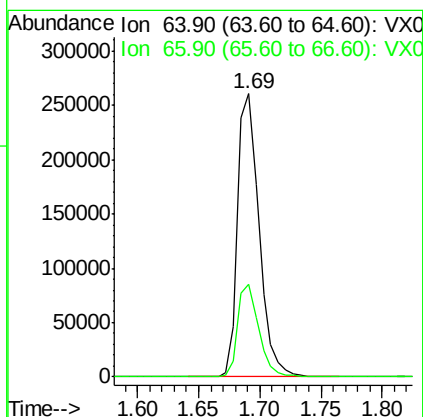
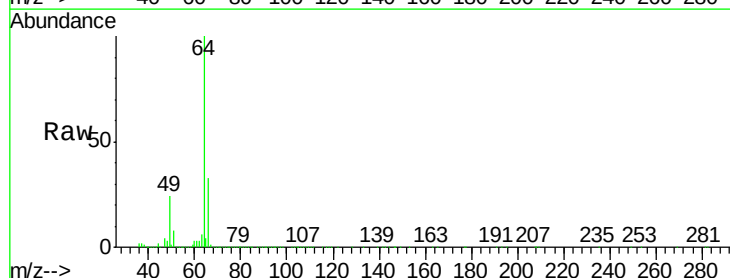
Acq: 28 Apr 2020 16:54

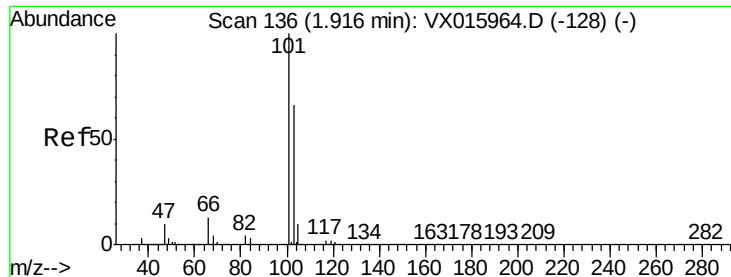
Tgt Ion: 64 Resp: 313783

Ion Ratio Lower Upper

64 100

66 32.7 26.2 39.2





#7

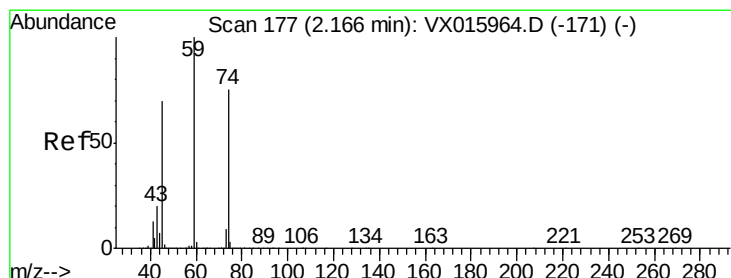
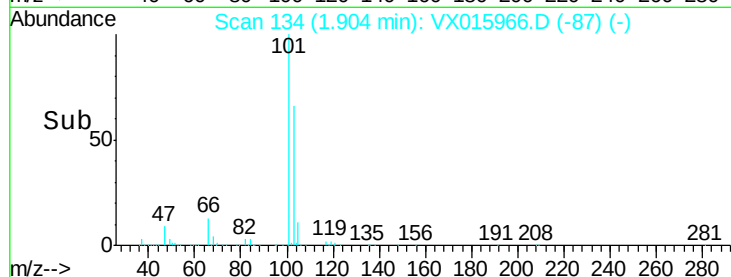
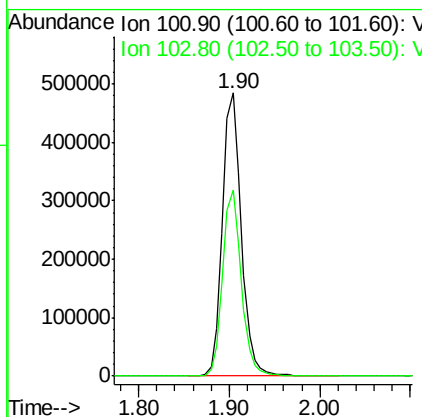
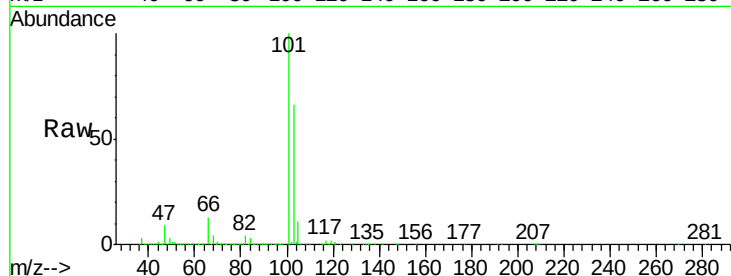
Trichlorofluoromethane
Concen: 149.047 ug/l
RT: 1.90 min Scan# 134
Delta R.T. -0.01 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

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VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.4	78.6

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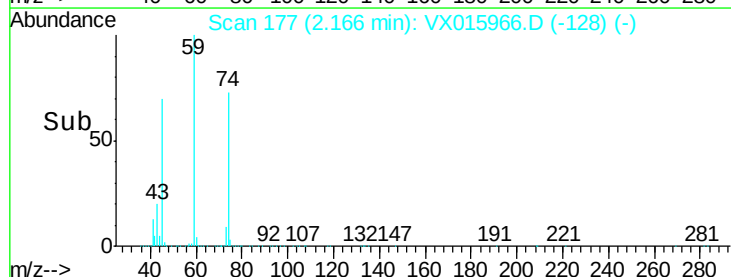
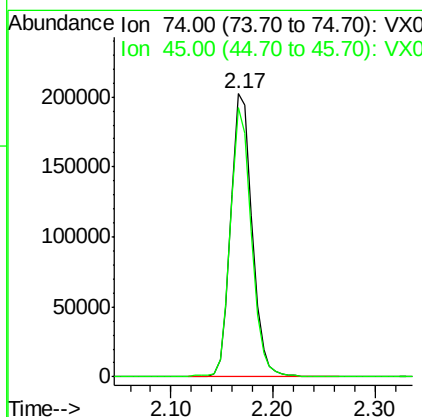
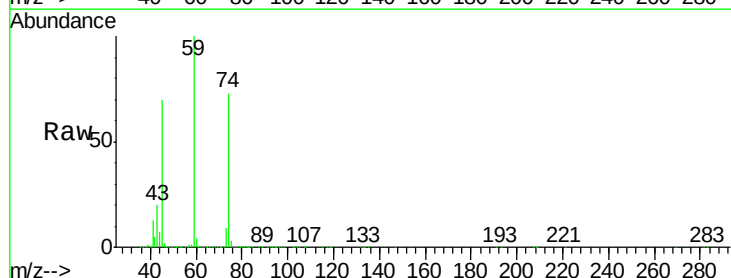
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4/30/2020 3:00:00 PM

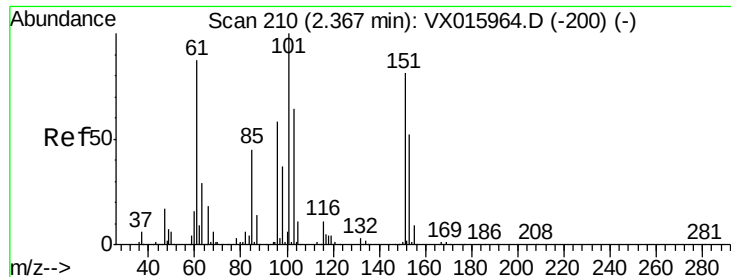


#8

Diethyl Ether
Concen: 146.584 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.2	47.1	141.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 146.455 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

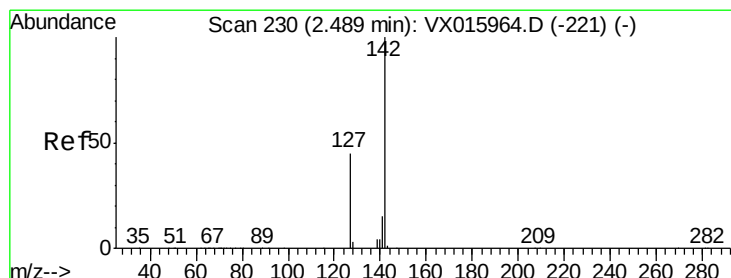
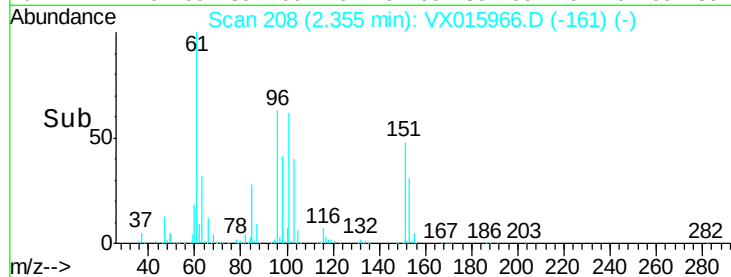
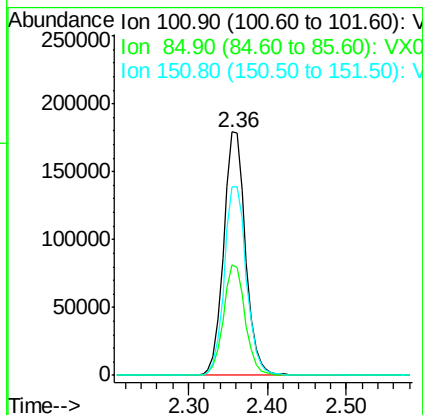
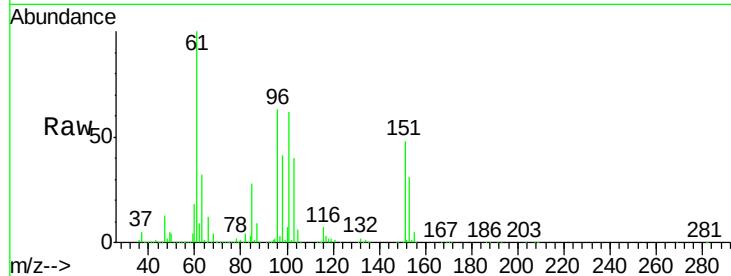
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	345523
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.3	54.5
151	79.1	63.1	94.7

Manual Integrations
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MMDadoda
4/30/2020 3:00:00 PM



#10

Methyl Iodide

Concen: 159.203 ug/l

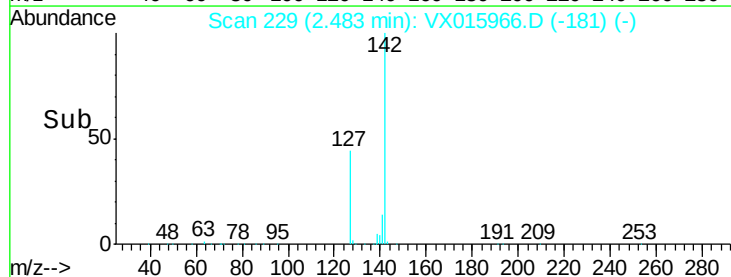
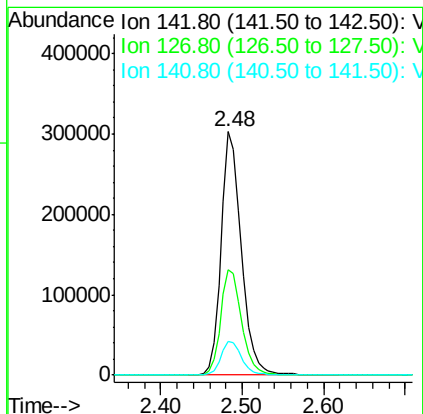
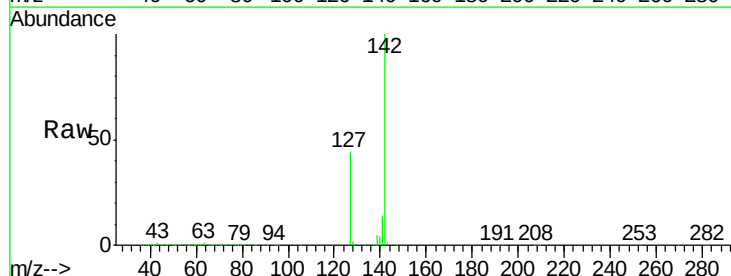
RT: 2.48 min Scan# 229

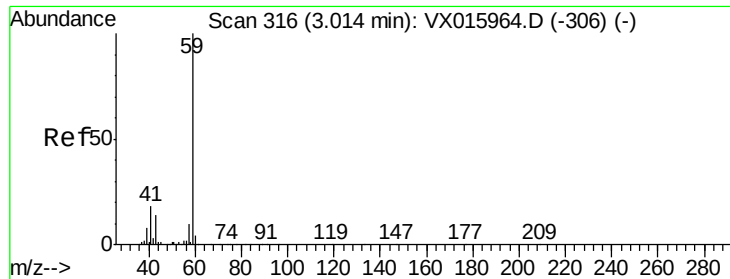
Delta R.T. -0.01 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Tgt Ion:	142	Resp:	523953
Ion Ratio	Lower	Upper	
142	100		
127	44.9	36.5	54.7
141	14.3	11.6	17.4





#11

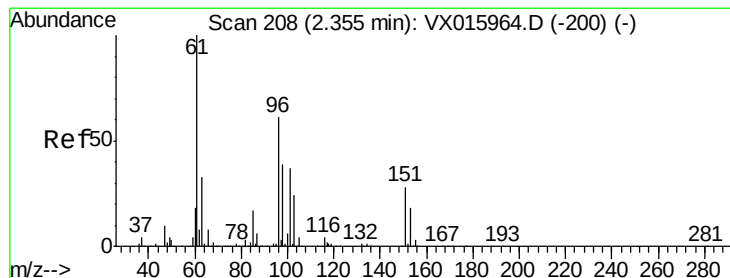
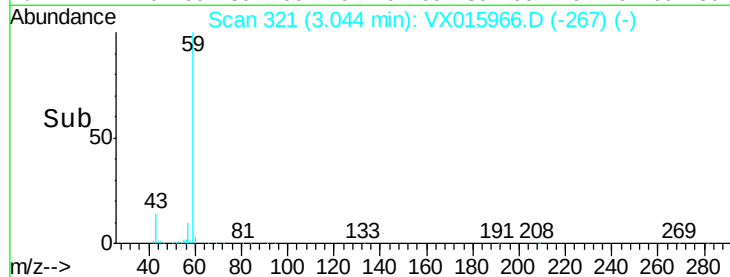
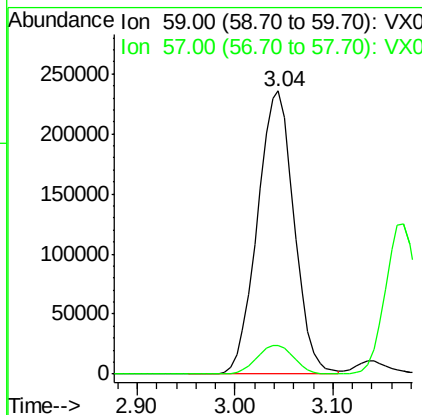
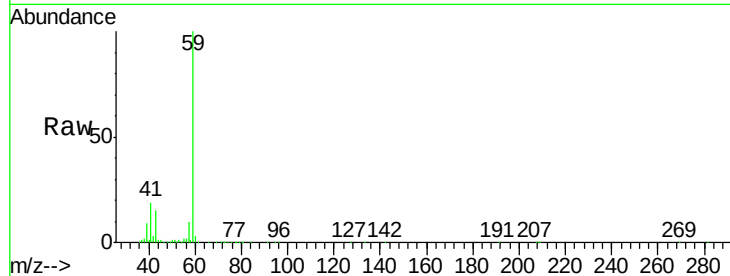
Tert butyl alcohol
Concen: 766.115 ug/l
RT: 3.04 min Scan# 321
Delta R.T. 0.03 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	618190		
57	57	10.4		8.3	12.5

Manual Integrations
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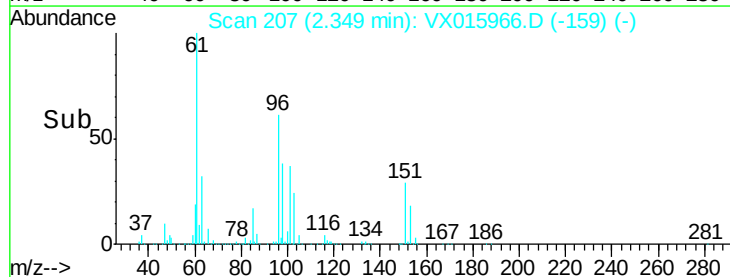
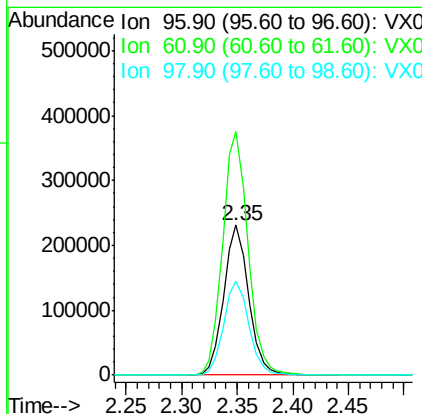
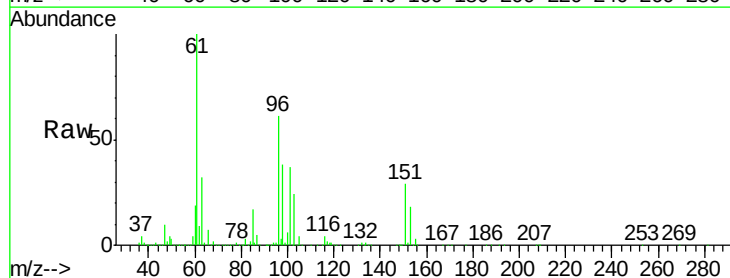
MMDadoda
4/30/2020 3:00:00 PM

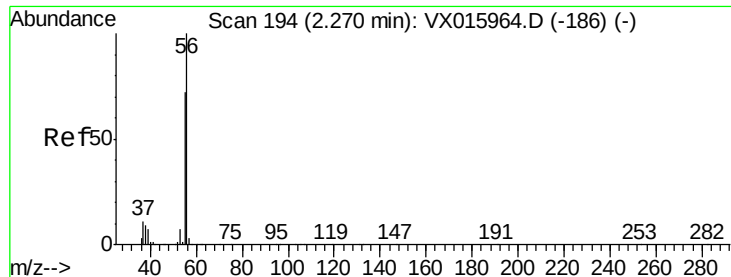


#12

1,1-Dichloroethene
Concen: 146.320 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	355931		
61	61	162.7		131.0	196.4
98	98	62.6		50.7	76.1





#13

Acrolein

Concen: 801.895 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 162613

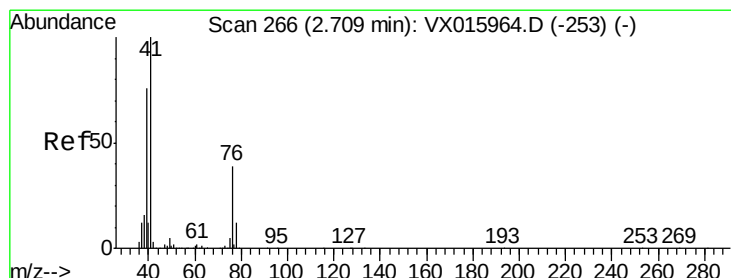
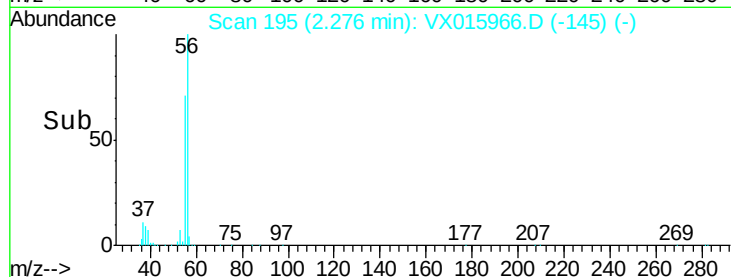
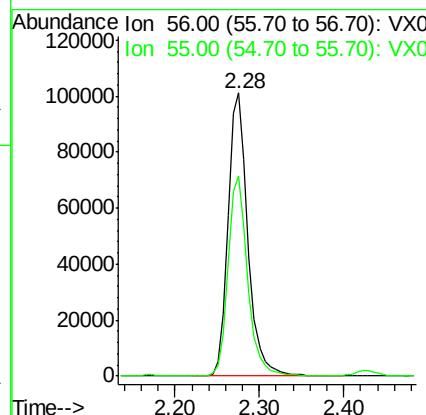
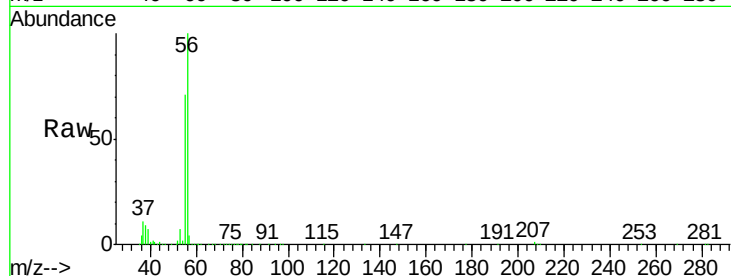
Ion Ratio Lower Upper

56 100

55 69.6 56.9 85.3

Manual Integrations
APPROVED

MMDadoda
4/30/2020 3:00:00 PM



#14

Allyl chloride

Concen: 150.975 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

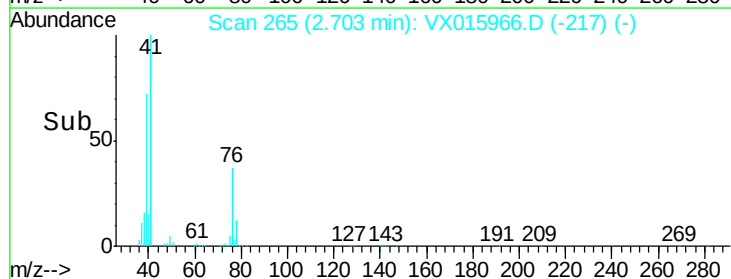
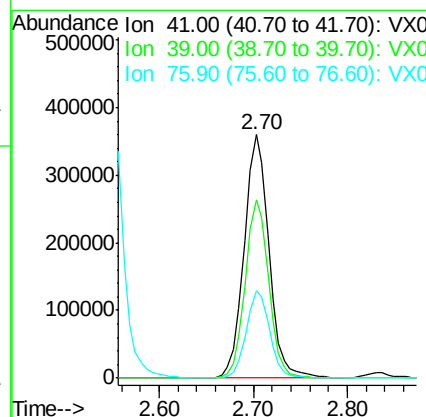
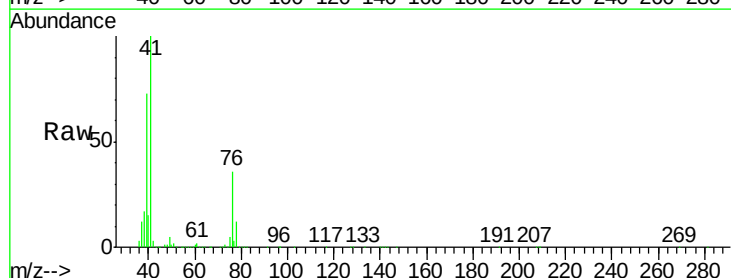
Tgt Ion: 41 Resp: 662220

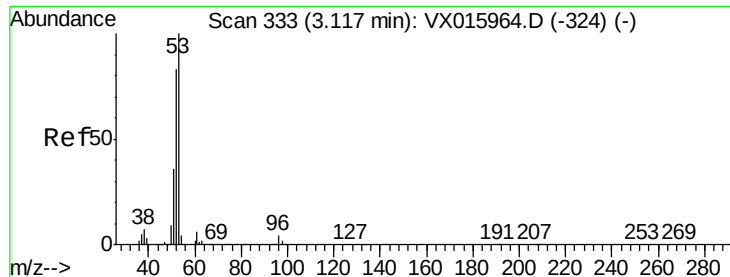
Ion Ratio Lower Upper

41 100

39 69.5 55.4 83.0

76 33.8 27.1 40.7





#15

Acrylonitrile

Concen: 756.365 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1210152

Ion Ratio Lower Upper

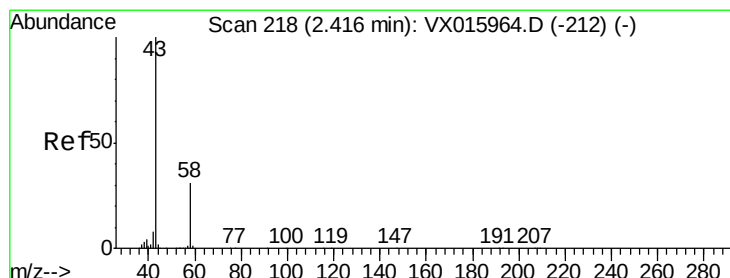
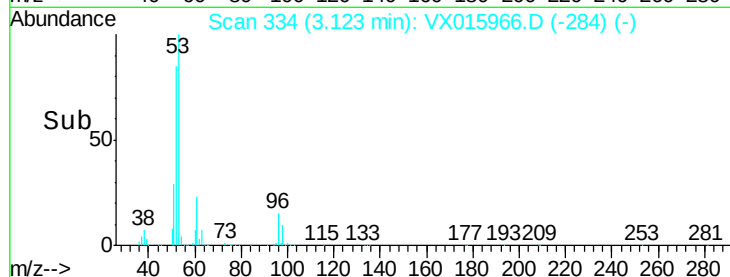
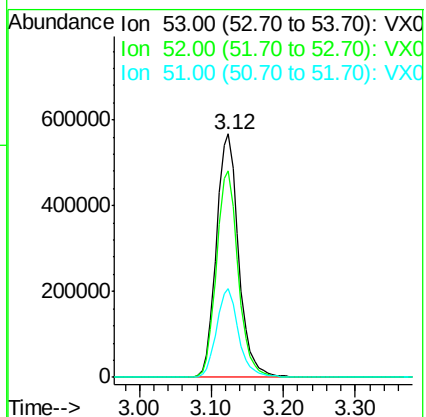
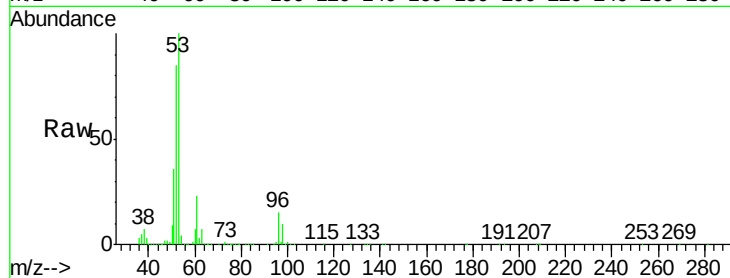
53 100

52 82.8 65.5 98.3

51 36.2 28.7 43.1

Manual Integrations
APPROVED

MMDadoda
4/30/2020 3:00:00 PM



#16

Acetone

Concen: 740.375 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX015966.D

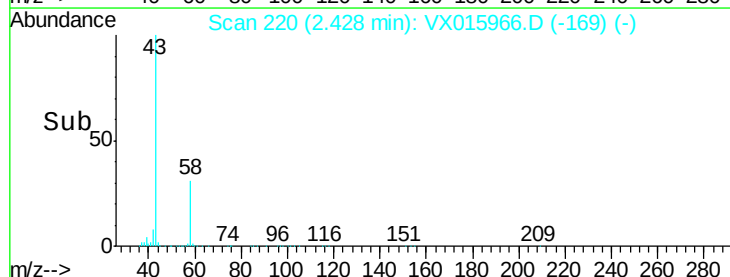
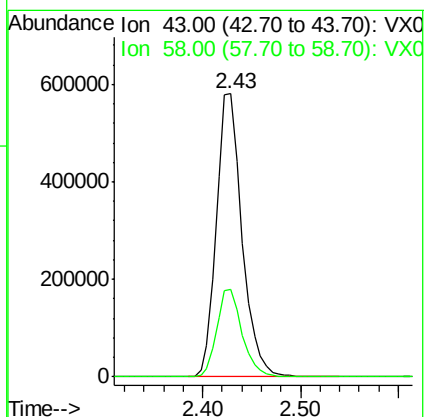
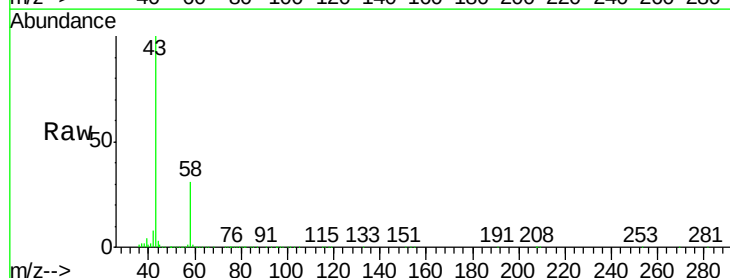
Acq: 28 Apr 2020 16:54

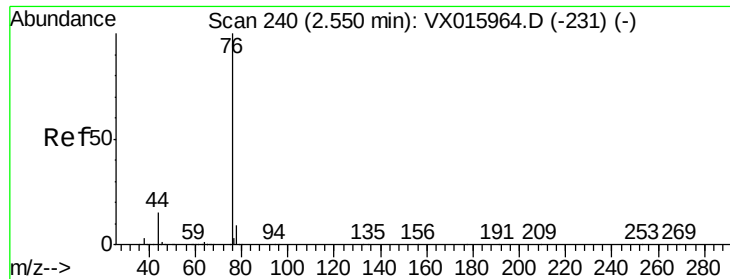
Tgt Ion: 43 Resp: 1052426

Ion Ratio Lower Upper

43 100

58 31.0 25.1 37.7





#17

Carbon Disulfide

Concen: 132.866 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1035204

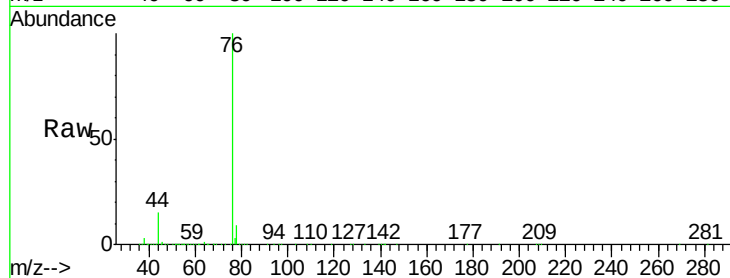
Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

Manual Integrations
APPROVED

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.54

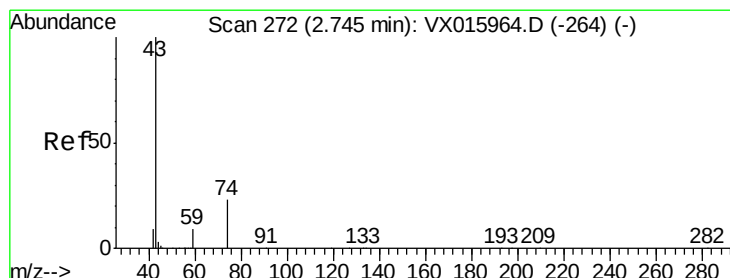
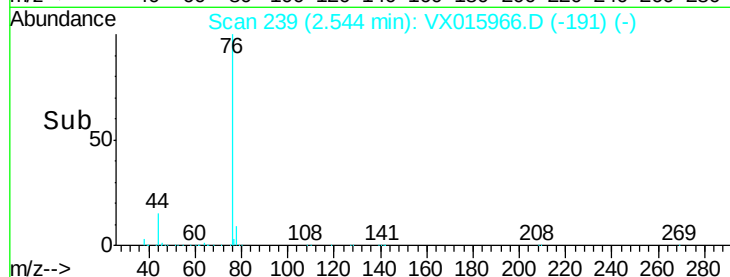
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 150.004 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX015966.D

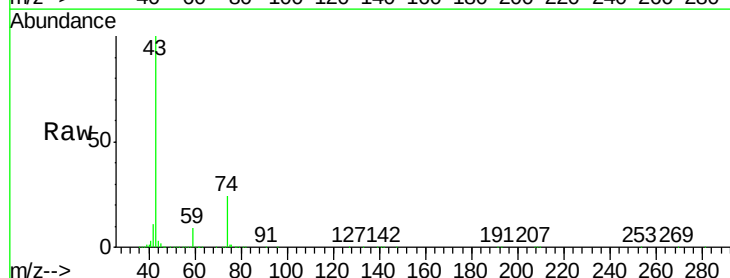
Acq: 28 Apr 2020 16:54

Tgt Ion: 43 Resp: 605079

Ion Ratio Lower Upper

43 100

74 24.7 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

400000

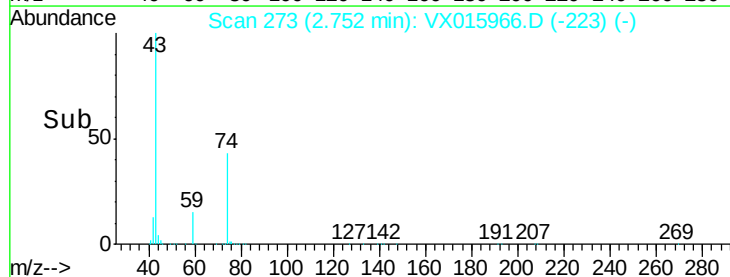
300000

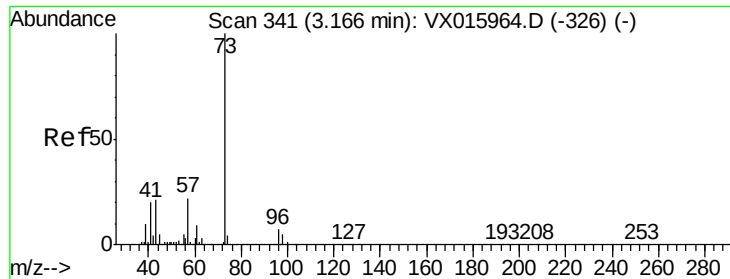
200000

100000

0

Time-->





#19

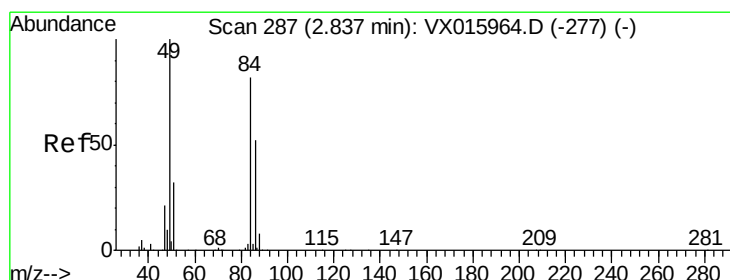
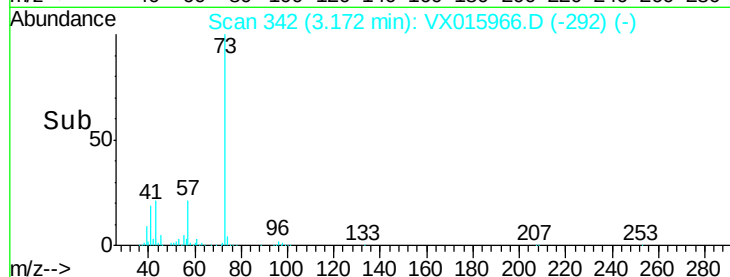
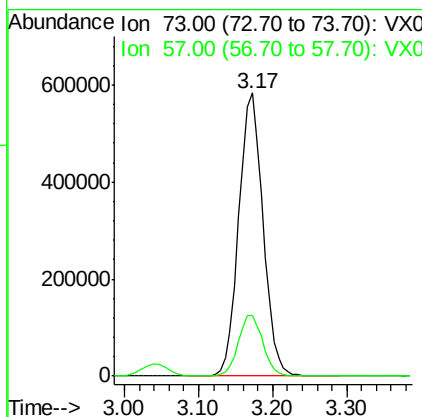
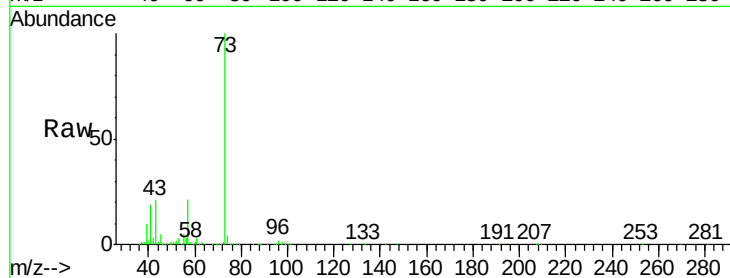
Methyl tert-butyl Ether
 Concen: 151.922 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VX015966.D
 Acq: 28 Apr 2020 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1336628
 Ion Ratio Lower Upper
 73 100
 57 21.4 17.5 26.3

Manual Integrations
 APPROVED

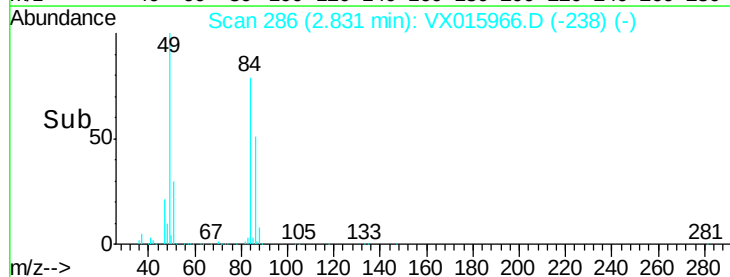
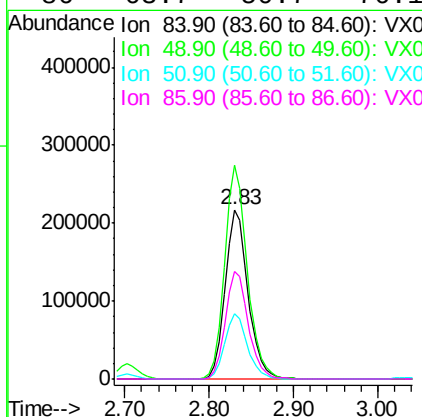
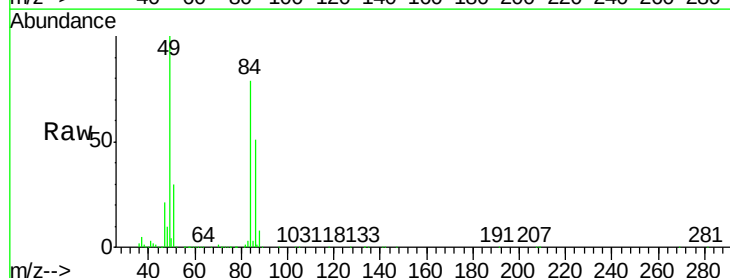
MMDadoda
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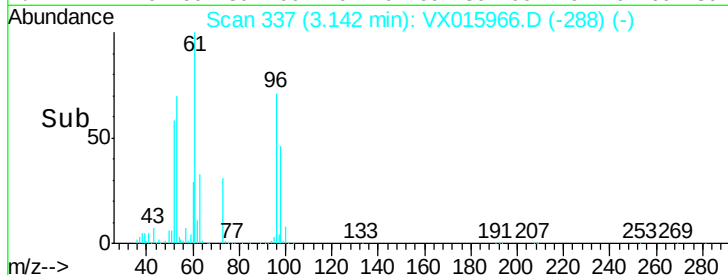
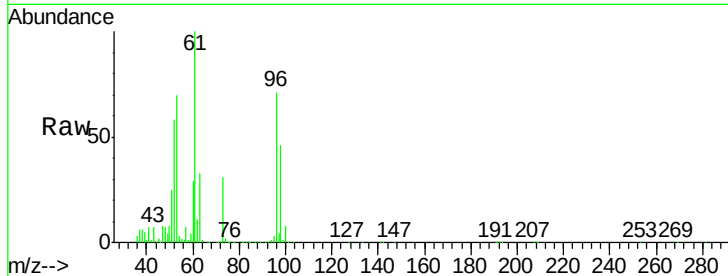
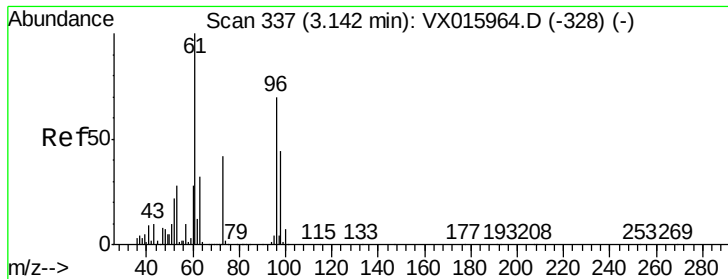


#20

Methylene Chloride
 Concen: 143.771 ug/l
 RT: 2.83 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VX015966.D
 Acq: 28 Apr 2020 16:54

Tgt Ion: 84 Resp: 404565
 Ion Ratio Lower Upper
 84 100
 49 126.0 97.9 146.9
 51 38.2 31.2 46.8
 86 63.7 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 145.734 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Tot Ion:	96	Resp:	399527
Ion Ratio	Lower	Upper	
96	100		
61	140.2	113.6	170.4
98	64.1	50.3	75.5

Instrument :

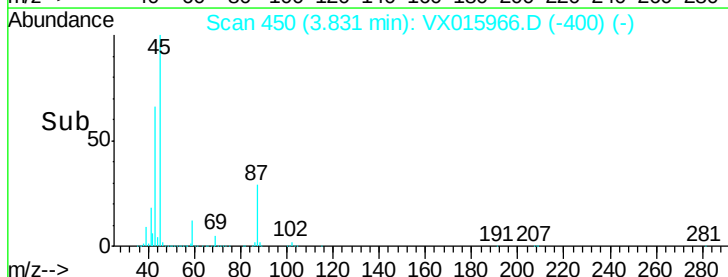
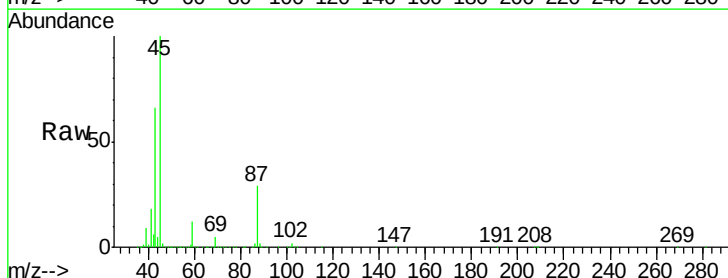
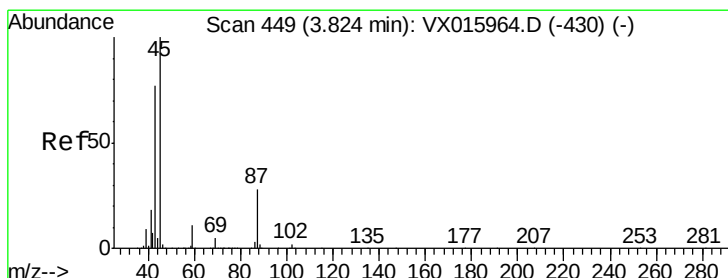
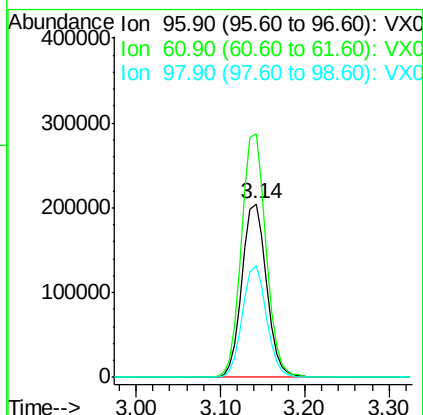
MSVOA_X

ClientSampleId :

VSTDIC150

Manual Integrations
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MMDadoda
4/30/2020 3:00:00 PM



#22

Diisopropyl ether

Concen: 152.596 ug/l

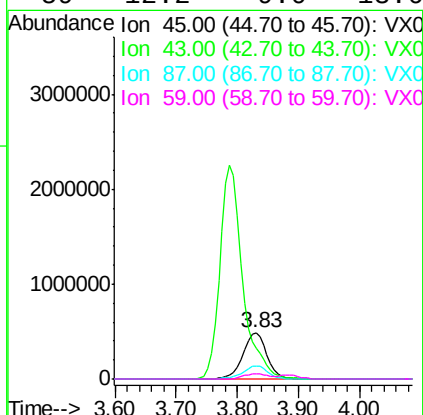
RT: 3.83 min Scan# 450

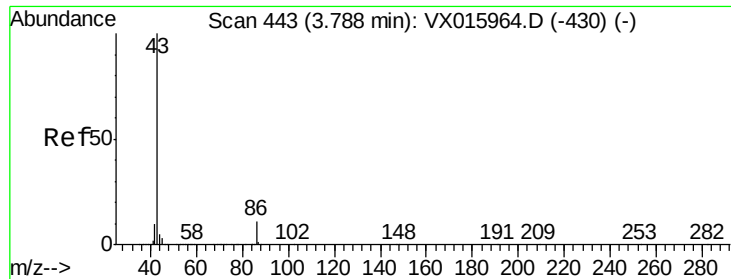
Delta R.T. 0.01 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Tgt Ion:	45	Resp:	1315915
Ion Ratio	Lower	Upper	
45	100		
43	65.7	61.3	91.9
87	29.0	22.6	33.8
59	12.2	9.0	13.6





#23

Vinyl Acetate

Concen: 777.685 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 5825674

Ion Ratio Lower Upper

43 100

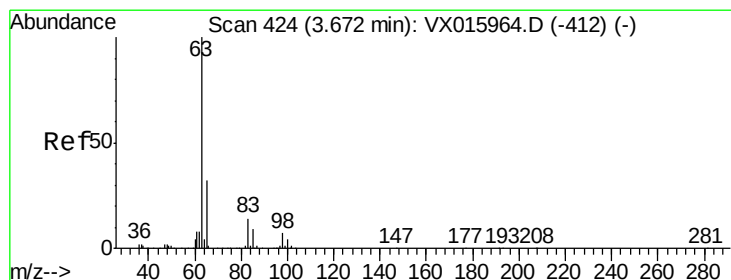
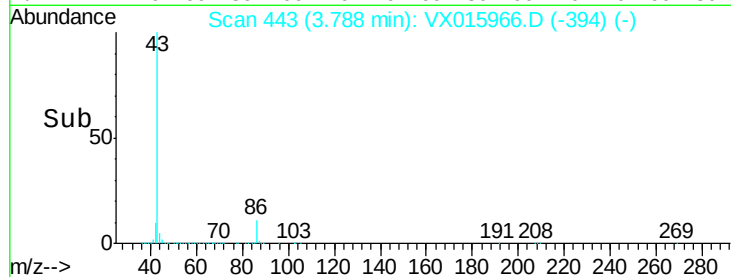
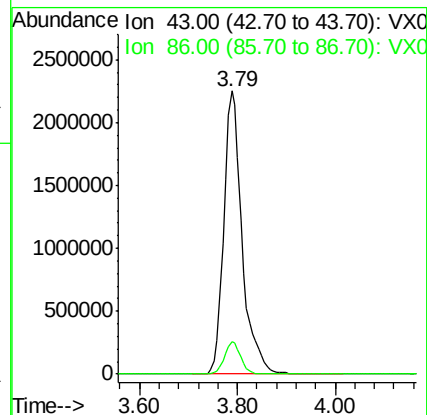
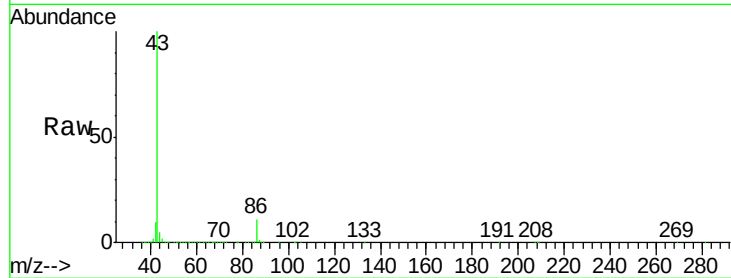
86 11.3 8.9 13.3

Manual Integrations

APPROVED

MMDadoda

4/30/2020 3:00:00 PM



#24

1,1-Dichloroethane

Concen: 150.869 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

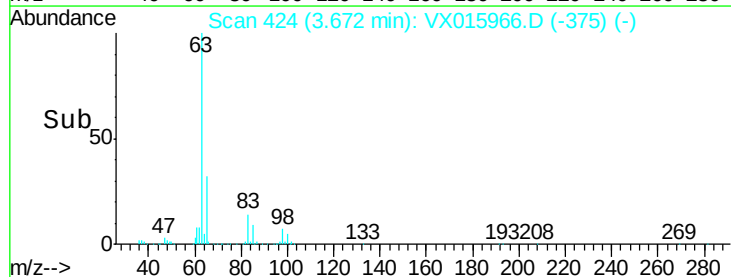
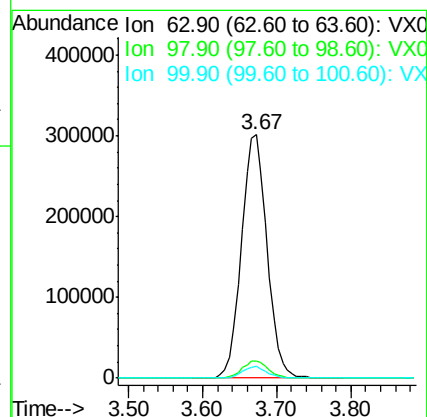
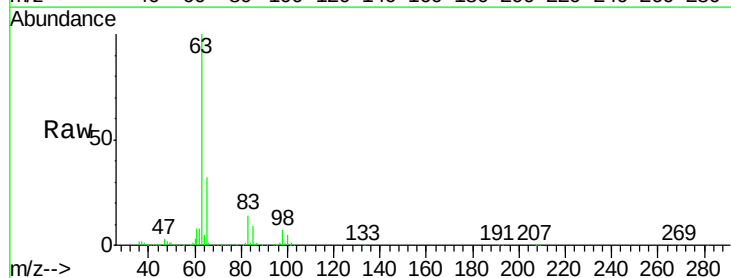
Tgt Ion: 63 Resp: 724751

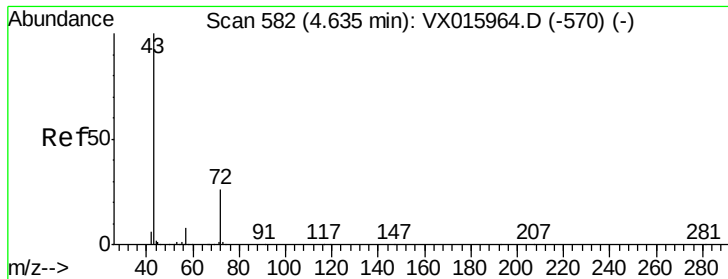
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.8

100 4.7 2.2 6.6





#25

2-Butanone

Concen: 762.407 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Tot Ion: 43 Resp: 1756190

Ion Ratio Lower Upper

43 100

72 27.1 21.0 31.4

Instrument :

MSVOA_X

ClientSampleId :

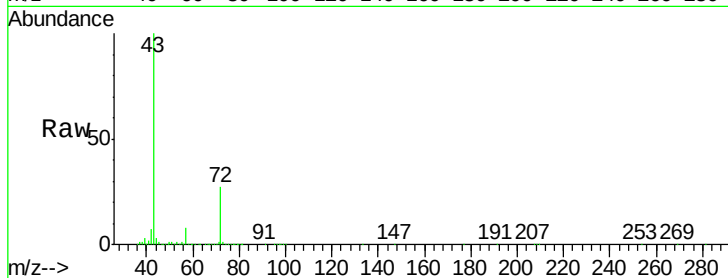
VSTDIC150

Manual Integrations

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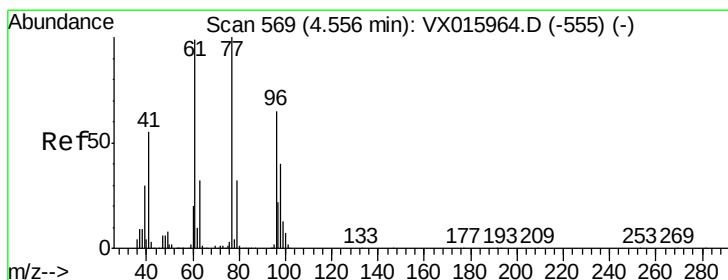
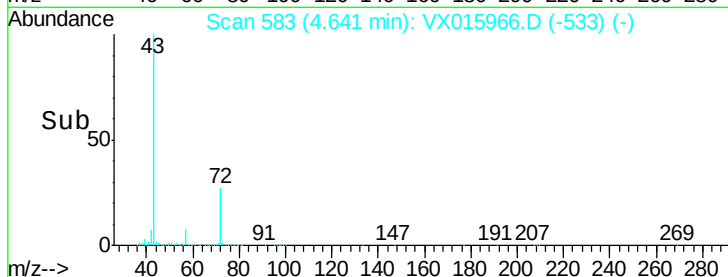
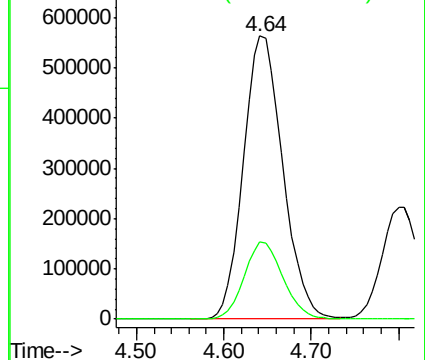
MMDadoda

4/30/2020 3:00:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 149.165 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX015966.D

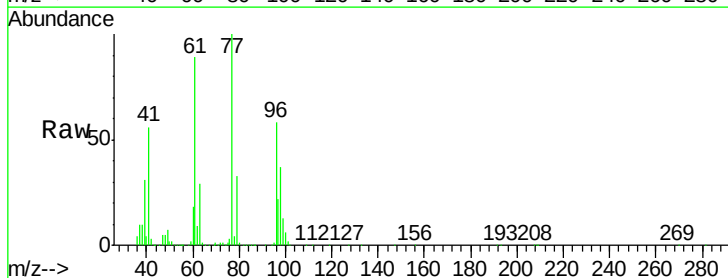
Acq: 28 Apr 2020 16:54

Tgt Ion: 77 Resp: 655179

Ion Ratio Lower Upper

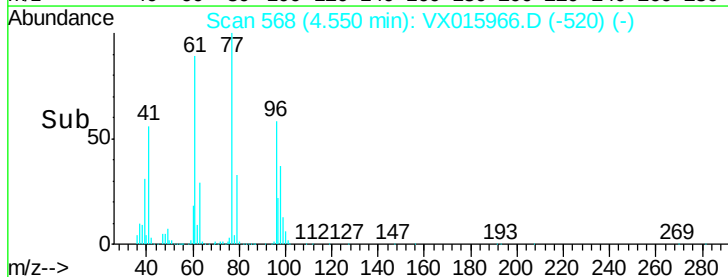
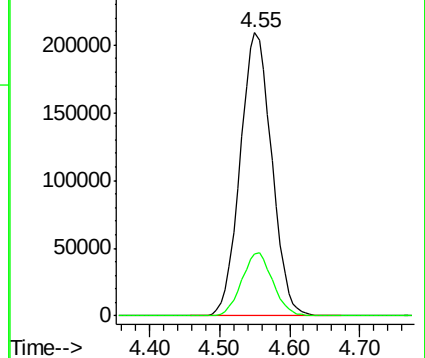
77 100

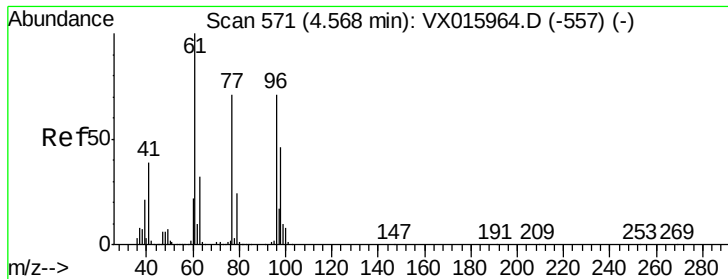
97 22.0 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

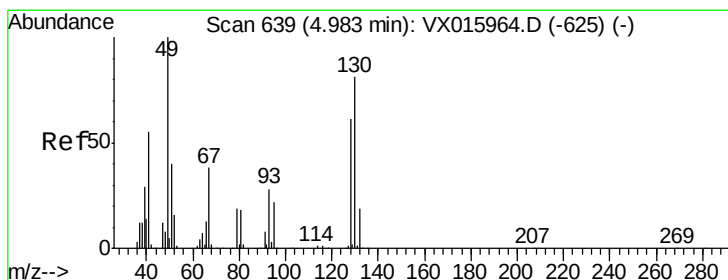
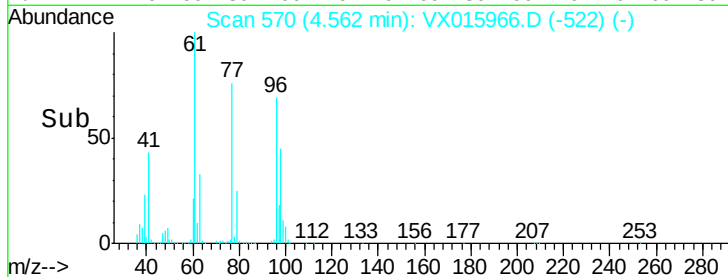
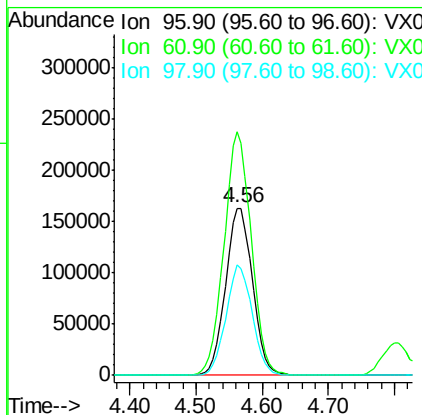
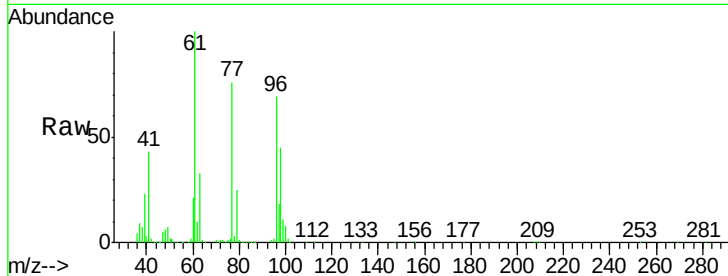
cis-1,2-Dichloroethene
Concen: 147.530 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	458970		
61	147.9	0.0	294.2	
98	64.5	0.0	127.4	

Manual Integrations
APPROVED

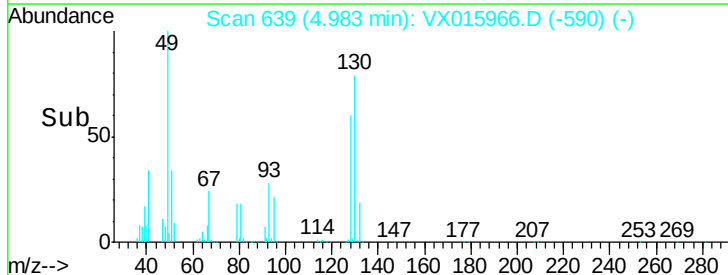
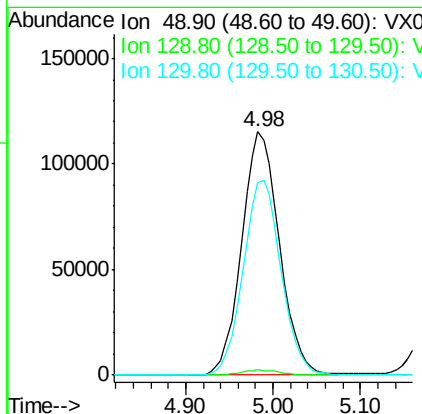
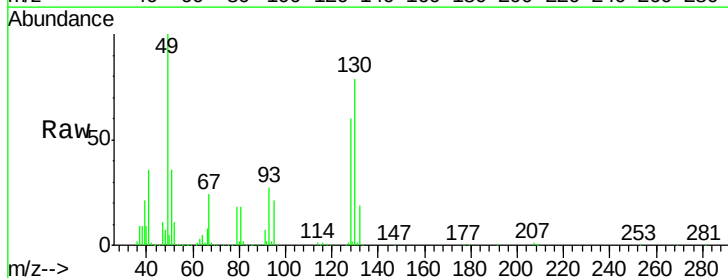
MMDadoda
4/30/2020 3:00:00 PM

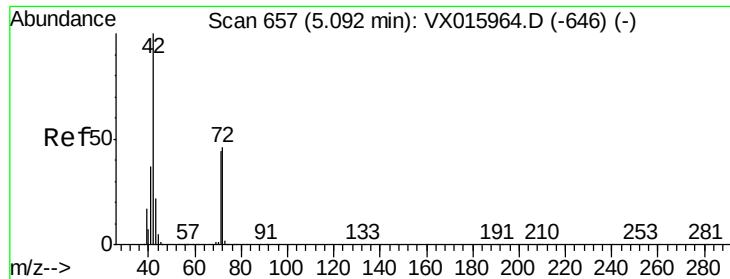


#28

Bromochloromethane
Concen: 148.423 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	345028		
129	2.2	0.0	4.6	
130	80.6	63.9	95.9	





#29

Tetrahydrofuran

Concen: 754.810 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 42 Resp: 1139462

Ion Ratio Lower Upper

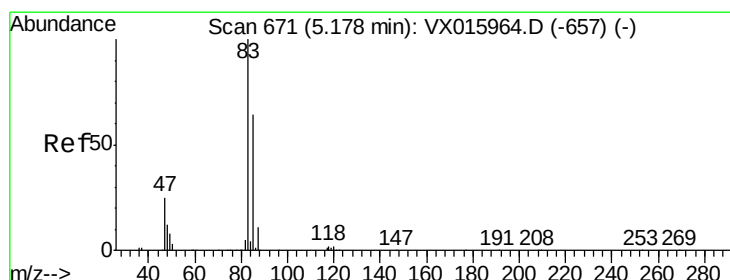
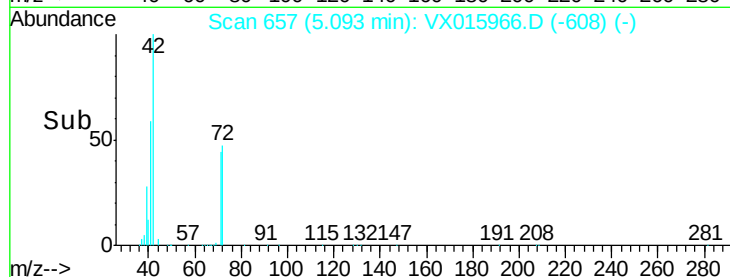
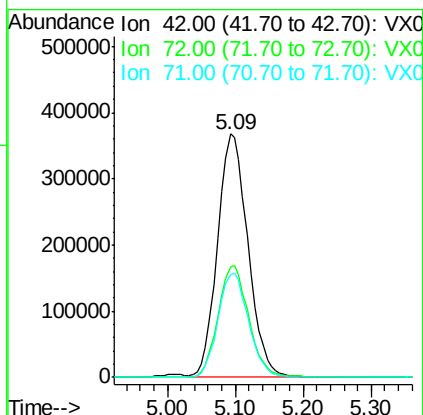
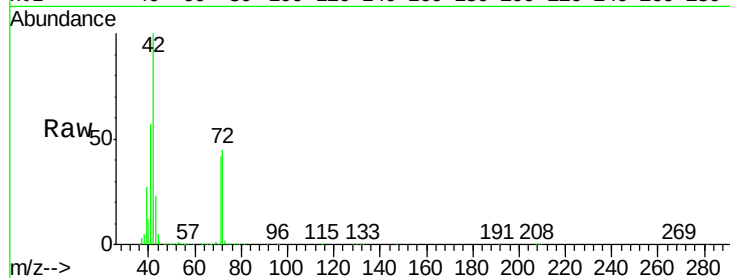
42 100

72 46.6 37.4 56.0

71 43.3 34.6 52.0

Manual Integrations
APPROVED

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4/30/2020 3:00:00 PM



#30

Chloroform

Concen: 150.210 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX015966.D

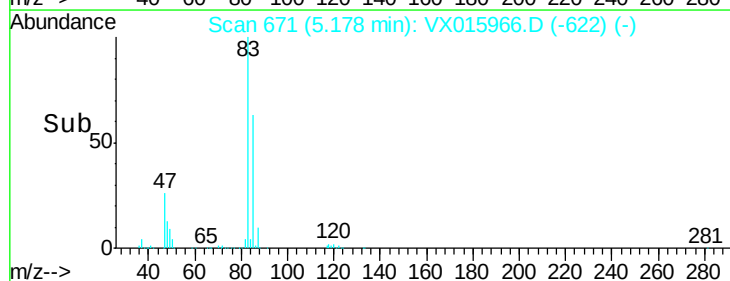
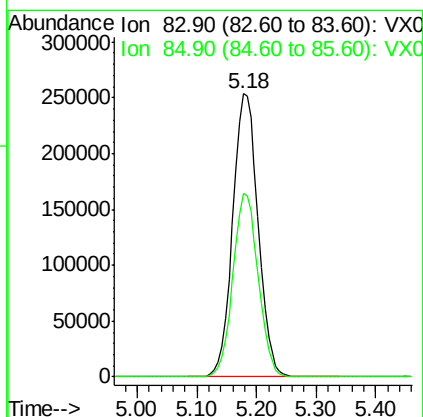
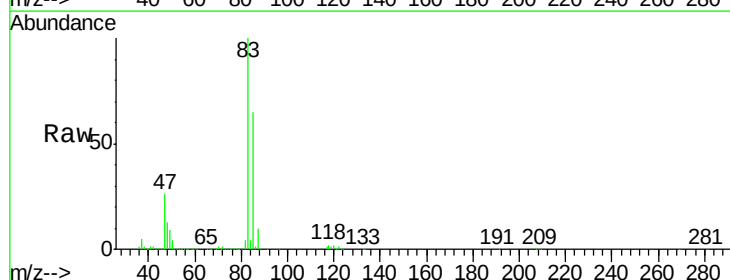
Acq: 28 Apr 2020 16:54

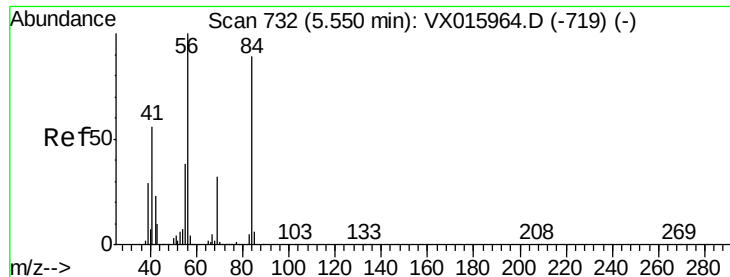
Tgt Ion: 83 Resp: 750343

Ion Ratio Lower Upper

83 100

85 64.9 51.0 76.4





#31

Cyclohexane

Concen: 148.248 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

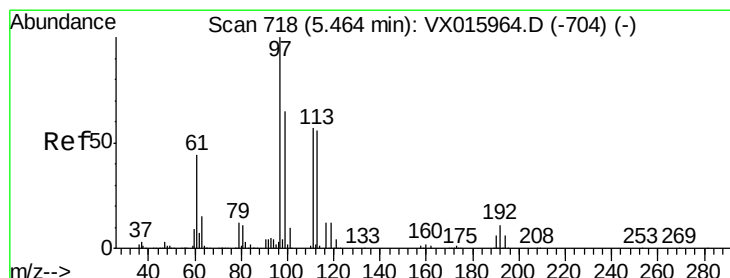
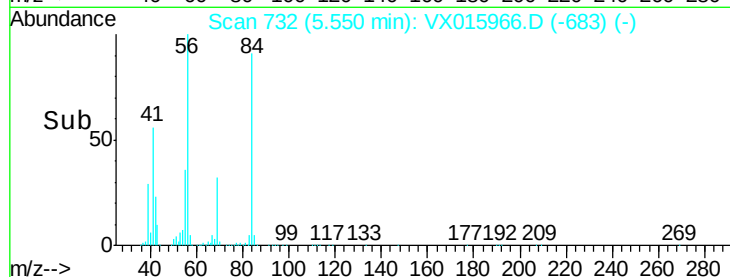
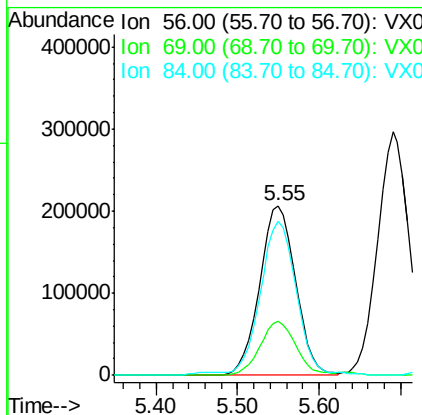
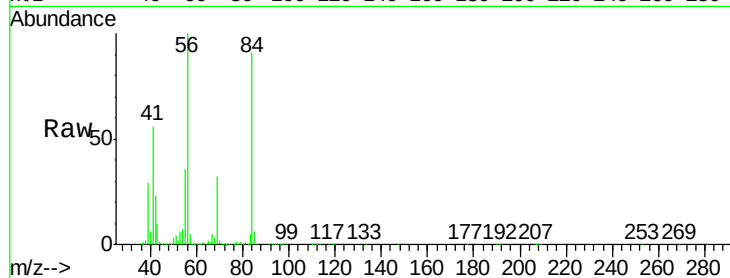
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	31.6	25.4	38.2	
84	89.9	71.0	106.6	

Manual Integrations
APPROVED

MMDadoda
4/30/2020 3:00:00 PM



#32

1,1,1-Trichloroethane

Concen: 150.605 ug/l

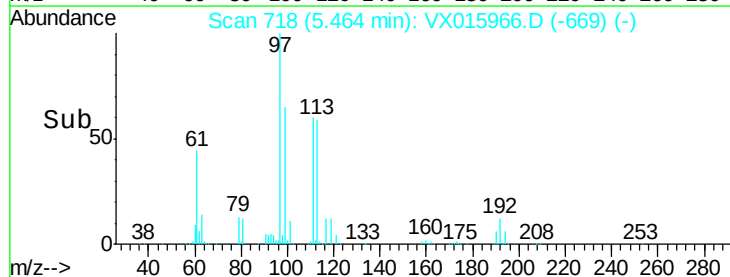
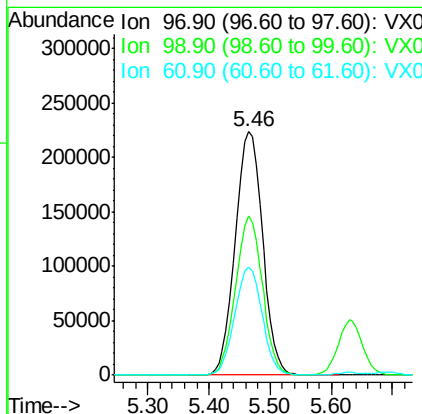
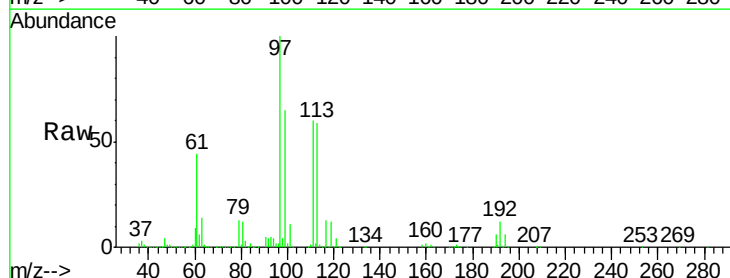
RT: 5.46 min Scan# 718

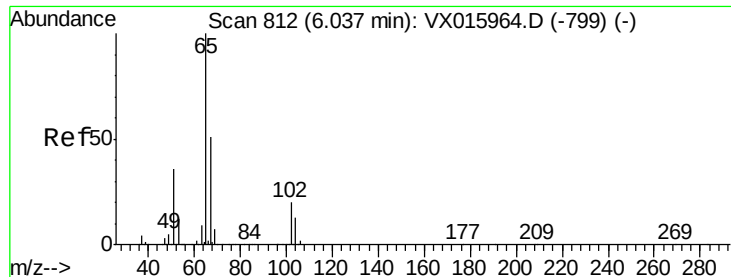
Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.0	51.4	77.0	
61	44.2	35.7	53.5	





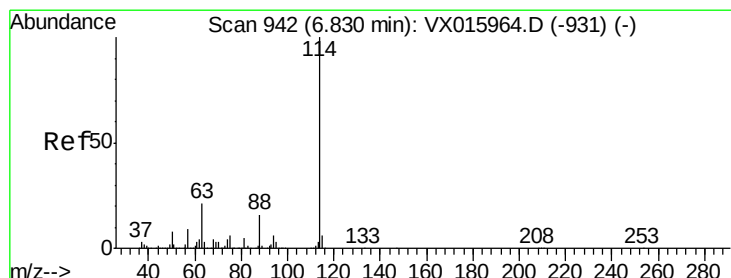
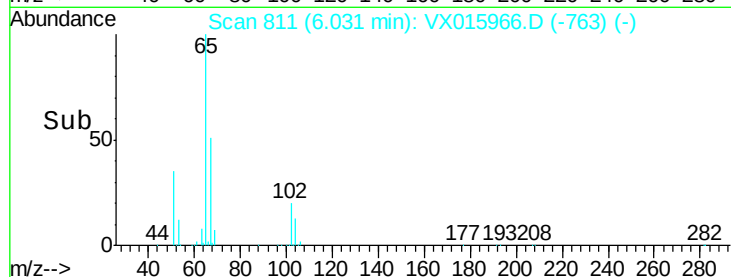
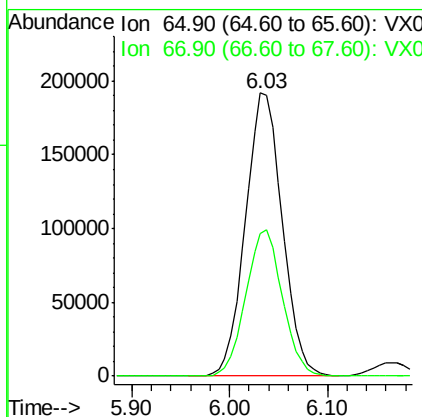
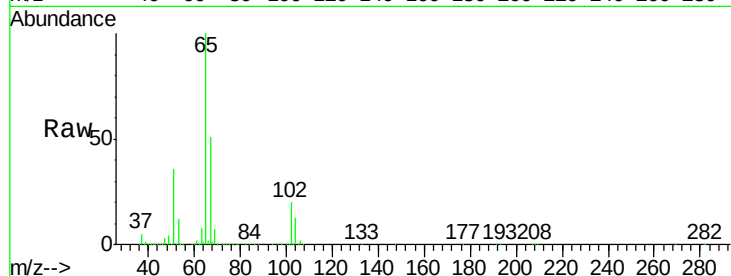
#33
 1,2-Dichloroethane-d4
 Concen: 151.187 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: VX015966.D
 Acq: 28 Apr 2020 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	502573		
67	51.4	0.0	102.4	

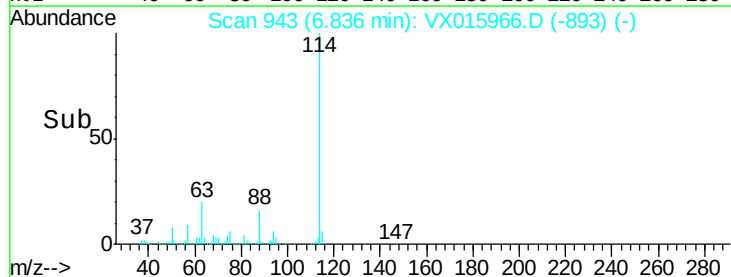
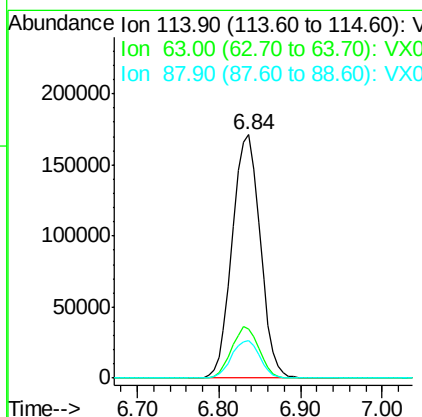
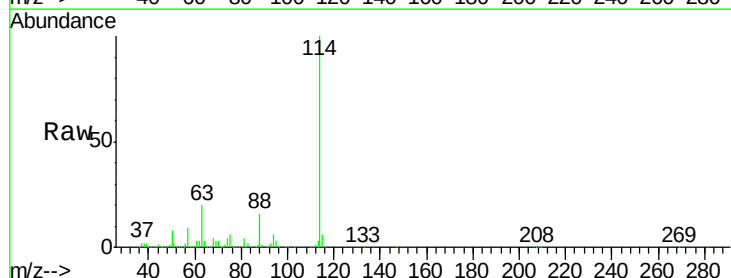
Manual Integrations
 APPROVED

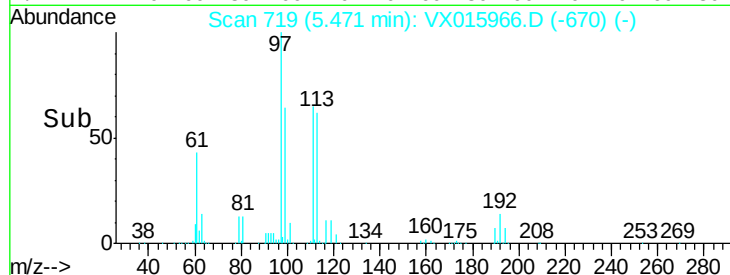
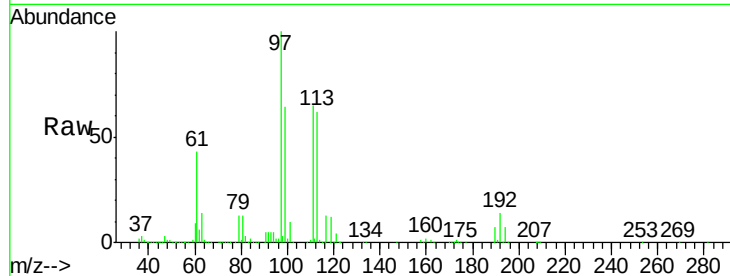
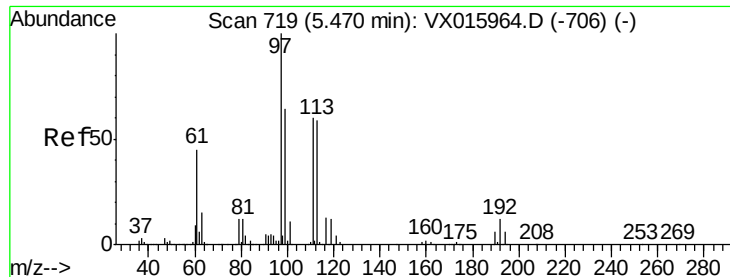
MMDadoda
 4/30/2020 3:00:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX015966.D
 Acq: 28 Apr 2020 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	405754		
63	19.9	0.0	41.2	
88	15.6	0.0	31.8	





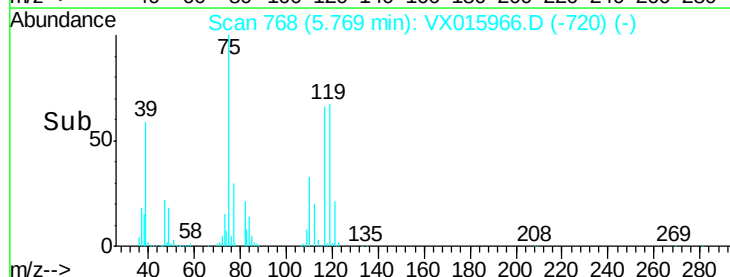
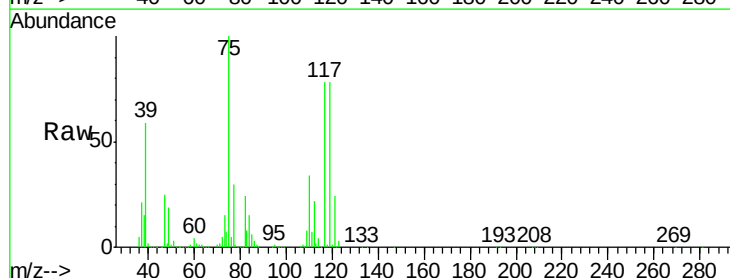
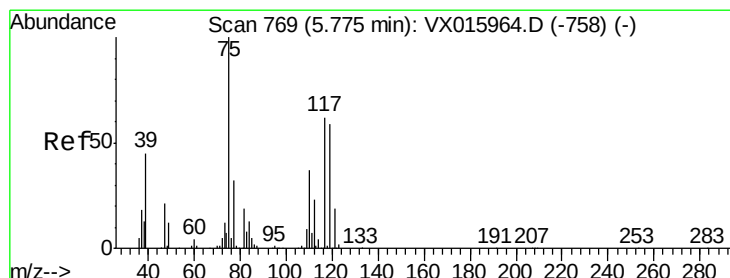
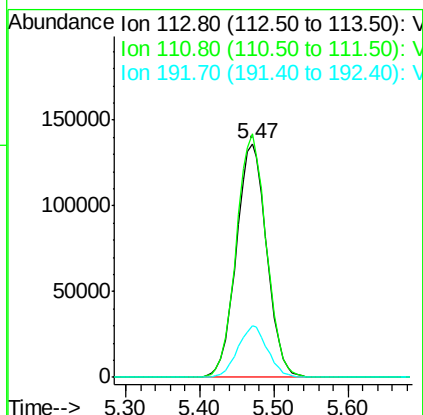
#35
Dibromofluoromethane
Concen: 154.269 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Tot Ion	Ratio	Resp	Lower	Upper
113	100	390473		
111	102.9	81.8	122.8	
192	21.5	16.8	25.2	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

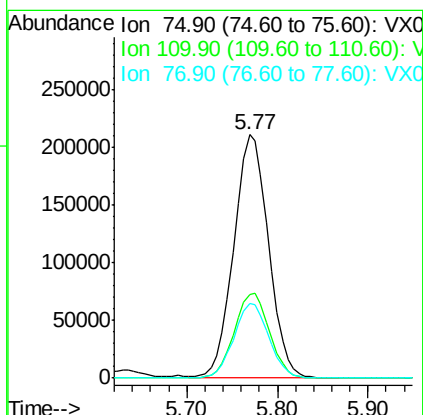
Manual Integrations
APPROVED

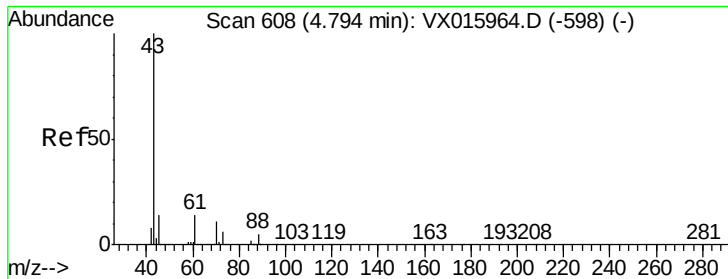
MMDadoda
4/30/2020 3:00:00 PM



#36
1,1-Dichloropropene
Concen: 144.748 ug/l
RT: 5.77 min Scan# 768
Delta R.T. -0.01 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	559389		
110	35.4	17.9	53.7	
77	30.8	25.2	37.8	





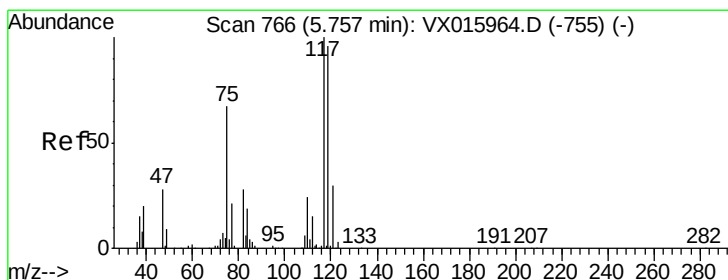
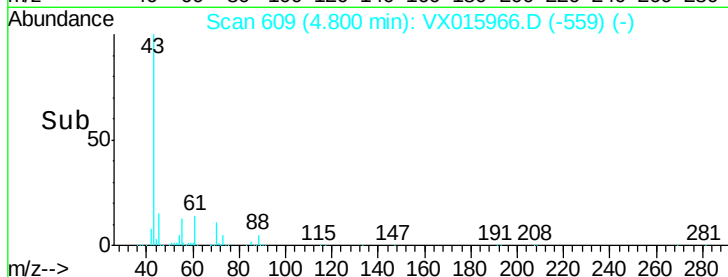
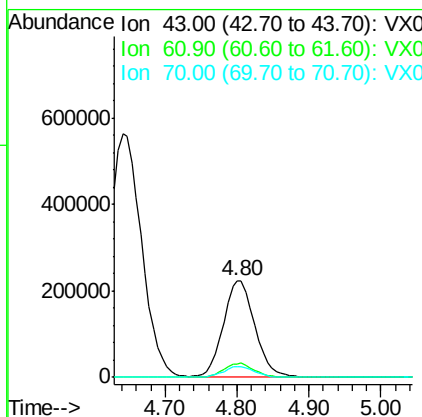
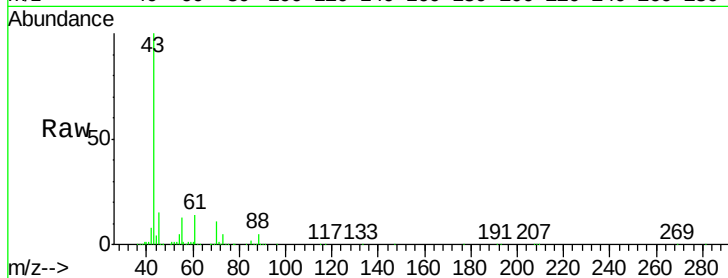
#37
Ethyl Acetate
Concen: 152.826 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:	43	Resp:	677235
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.6	17.4
70	11.0	8.9	13.3

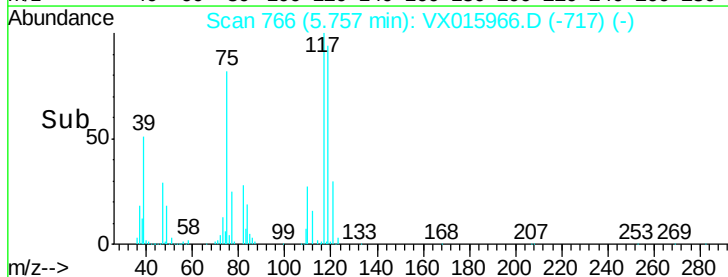
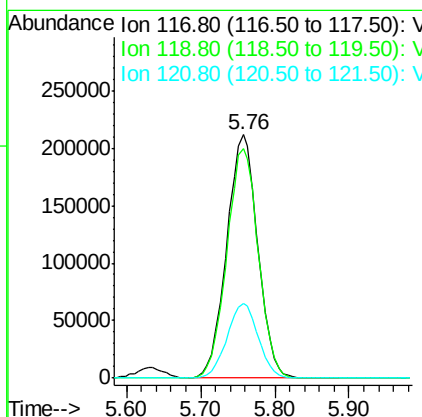
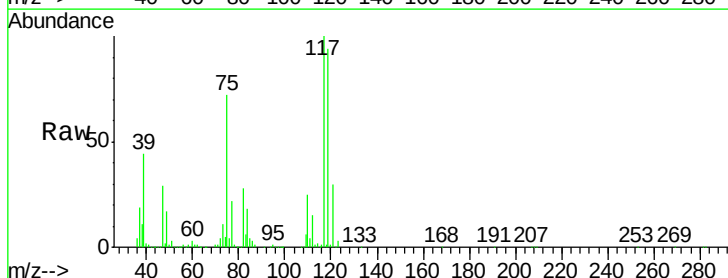
Manual Integrations
APPROVED

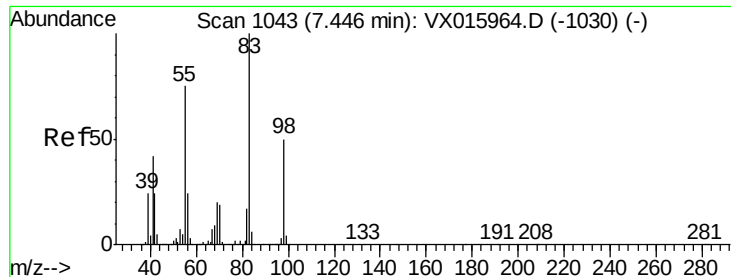
MMDadoda
4/30/2020 3:00:00 PM



#38
Carbon Tetrachloride
Concen: 150.558 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Tgt Ion:	117	Resp:	614562
Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.2	114.4
121	30.5	24.2	36.4





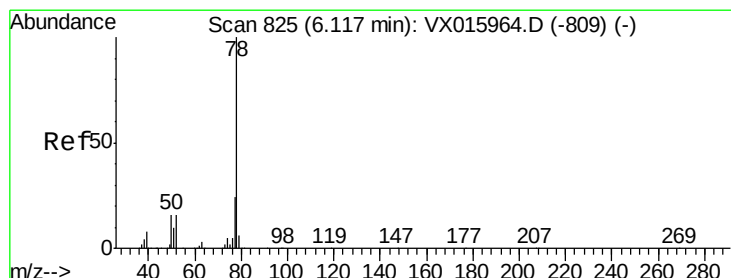
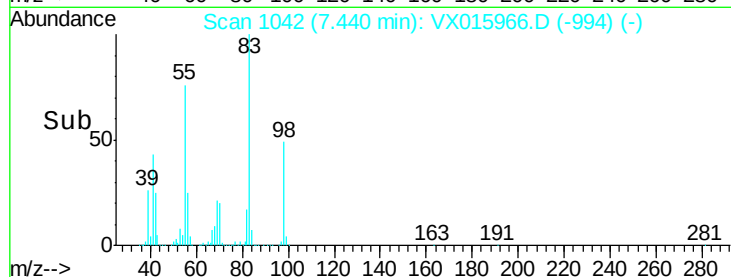
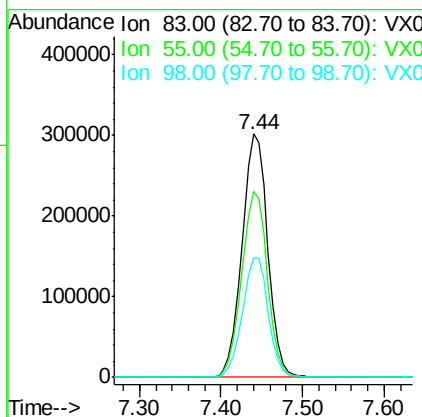
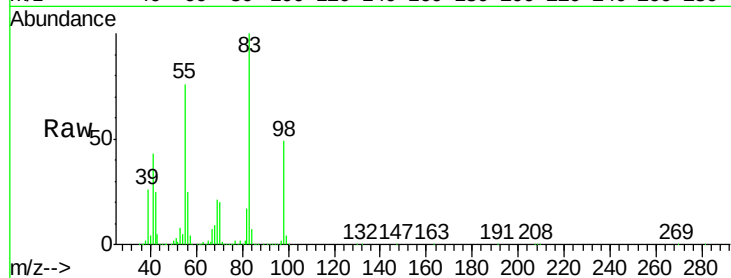
#39
Methylvlcyclohexane
Concen: 147.505 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	59.9	89.9
98	48.8	39.9	59.9

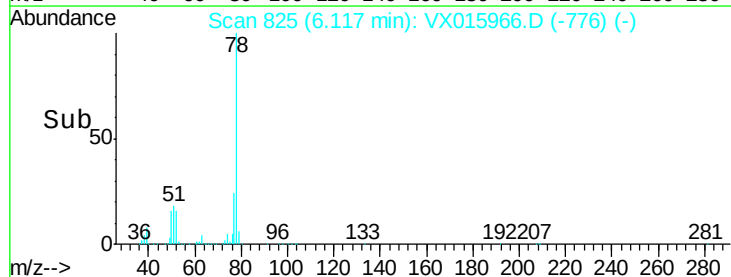
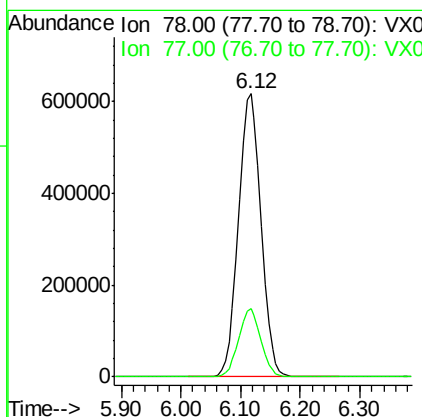
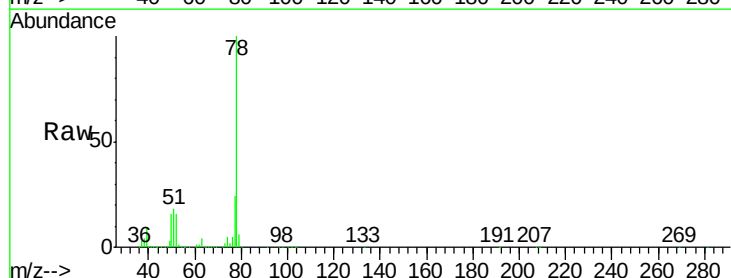
Manual Integrations
APPROVED

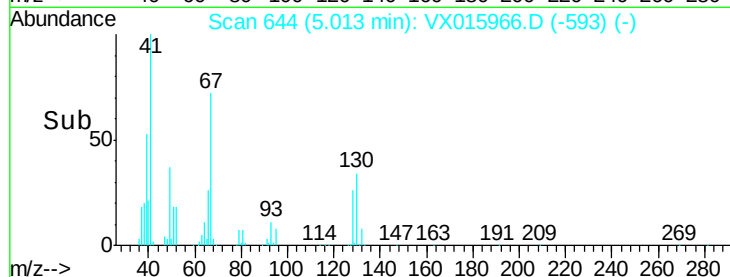
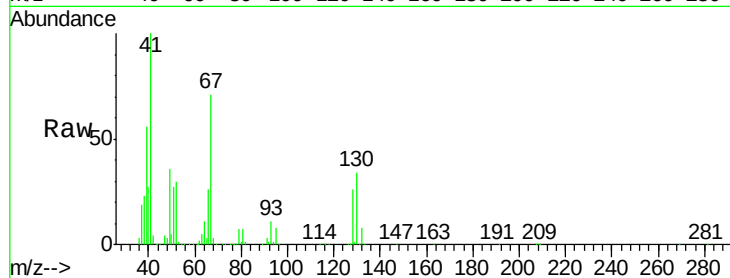
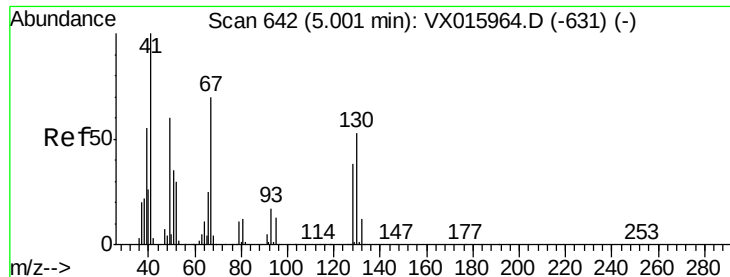
MMDadoda
4/30/2020 3:00:00 PM



#40
Benzene
Concen: 147.480 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

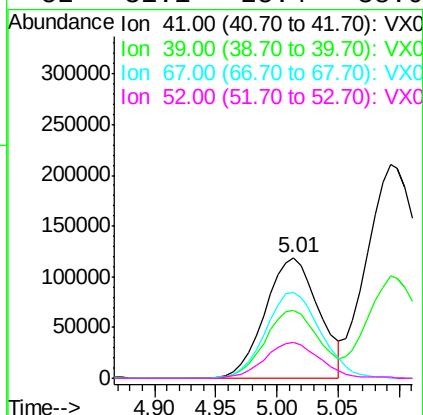
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





#41
Methacrylonitrile
Concen: 152.516 ug/l
RT: 5.01 min Scan# 644
Delta R.T. 0.01 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

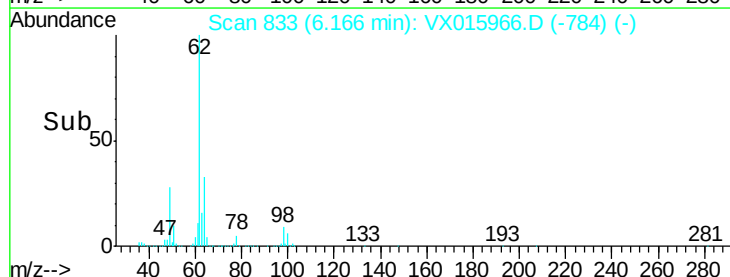
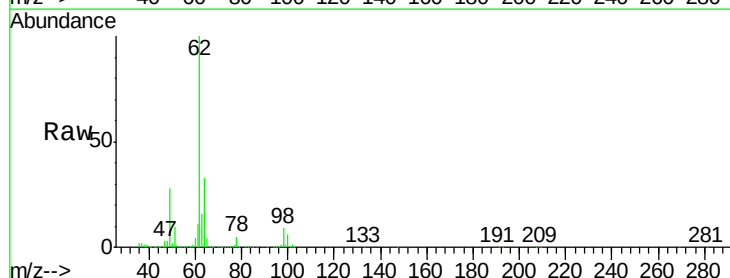
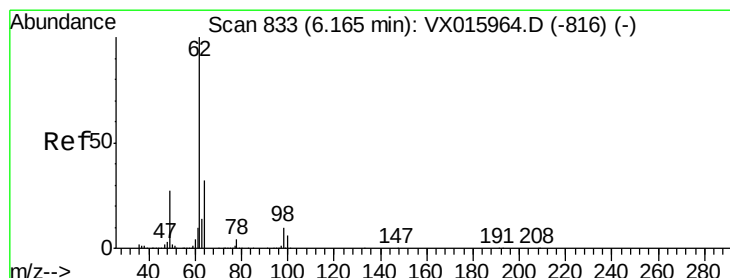
Tot Ion	Ion	Ratio	Lower	Upper
361769	41	100		
	39	56.9	45.2	67.8
	67	73.7	59.4	89.2
	52	31.1	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

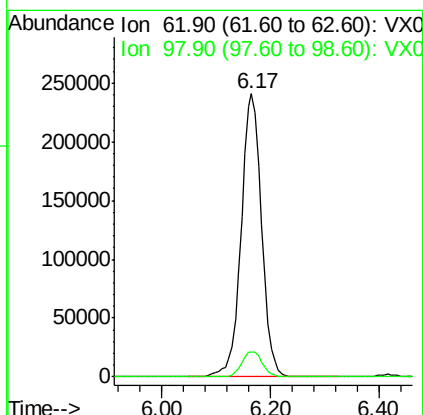
Manual Integrations
APPROVED

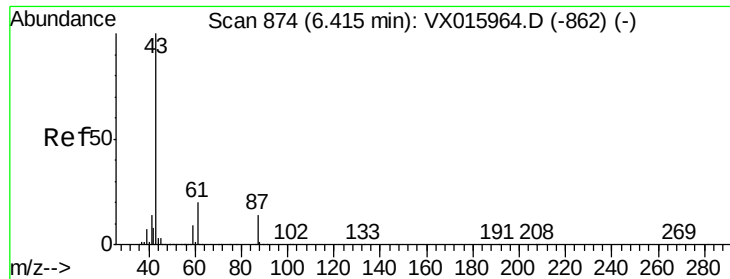
MMDadoda
4/30/2020 3:00:00 PM



#42
1,2-Dichloroethane
Concen: 146.629 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Tgt Ion	Ion	Ratio	Lower	Upper
626467	62	100		
	98	9.1	0.0	18.4





#43

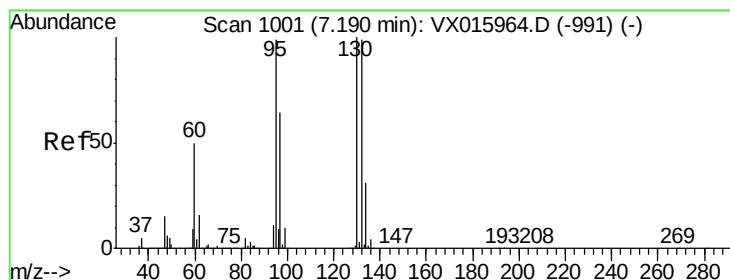
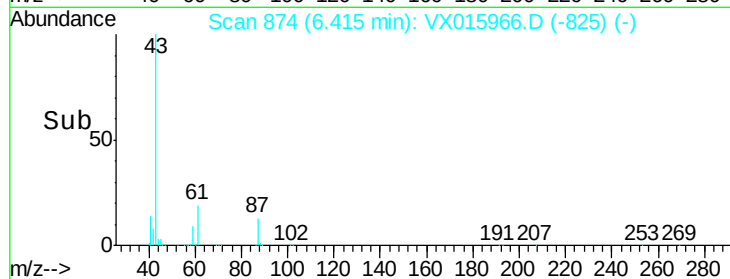
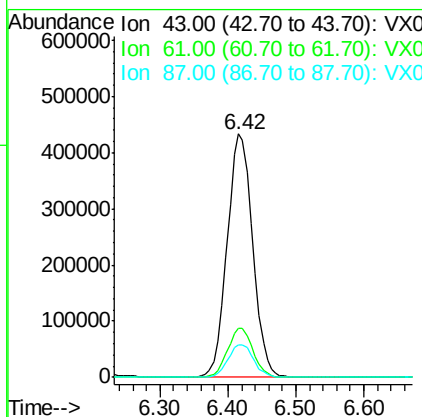
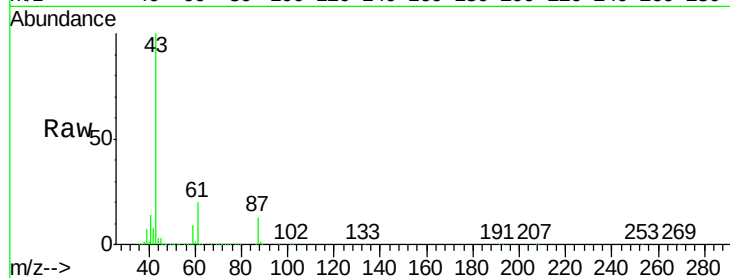
Isopropyl Acetate
 Concen: 152.593 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX015966.D
 Acq: 28 Apr 2020 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.1	24.1
87	13.5	10.9	16.3

Manual Integrations
 APPROVED

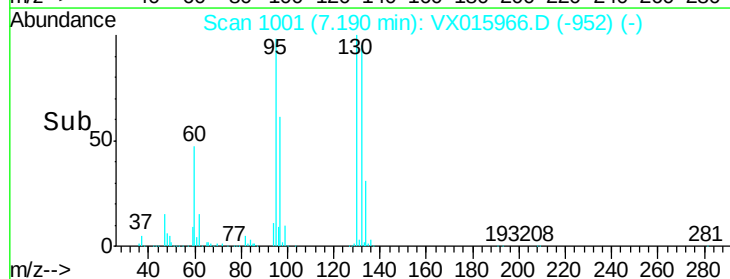
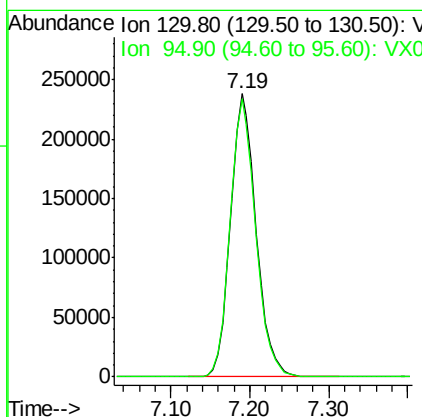
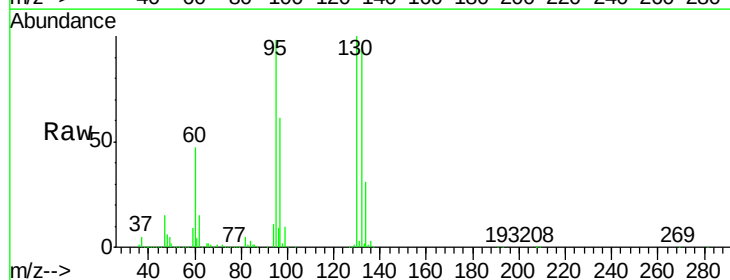
MMDadoda
 4/30/2020 3:00:00 PM

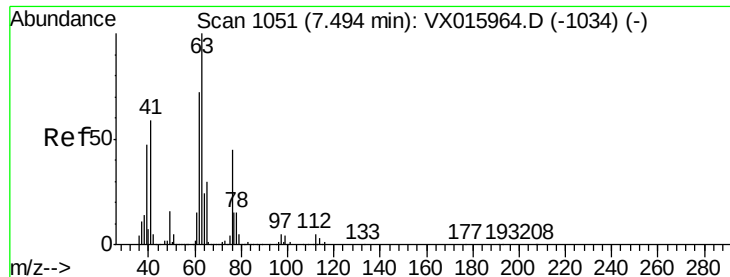


#44

Trichloroethene
 Concen: 135.081 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX015966.D
 Acq: 28 Apr 2020 16:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	197.4





#45

1,2-Dichloropropane

Concen: 146.946 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 418760

Ion Ratio Lower Upper

63 100

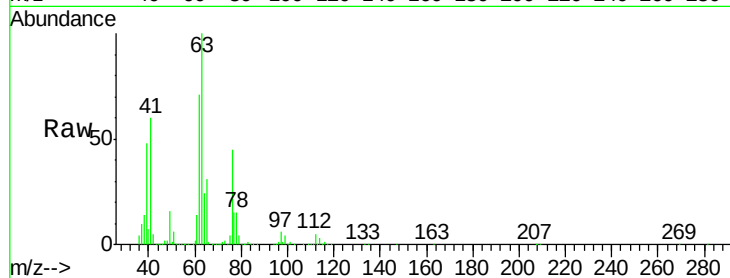
65 30.5 24.3 36.5

Manual Integrations

APPROVED

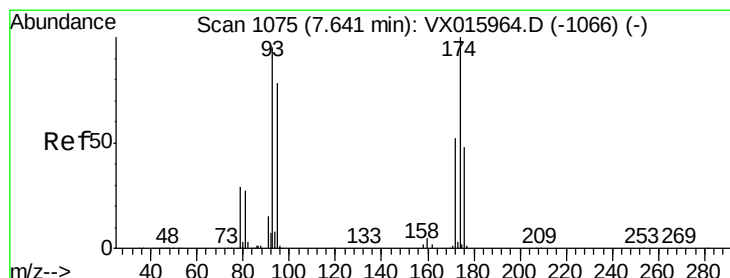
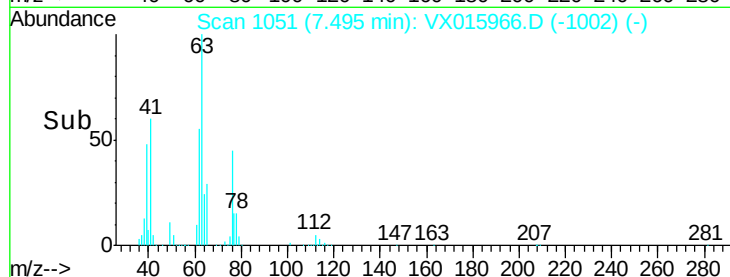
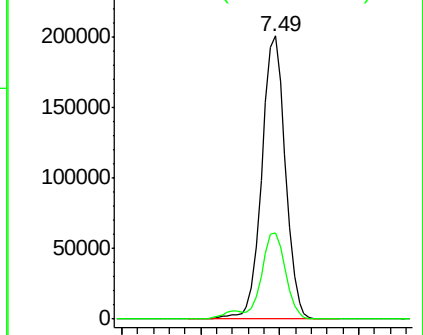
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 148.723 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

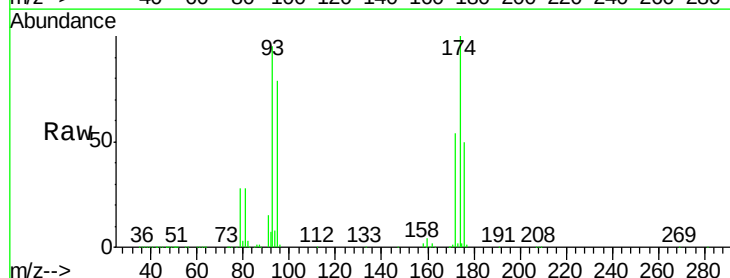
Tgt Ion: 93 Resp: 301156

Ion Ratio Lower Upper

93 100

95 82.9 65.5 98.3

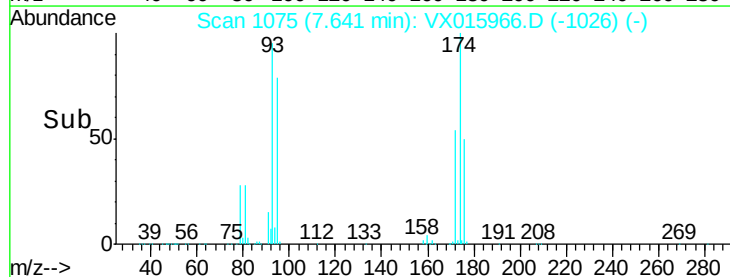
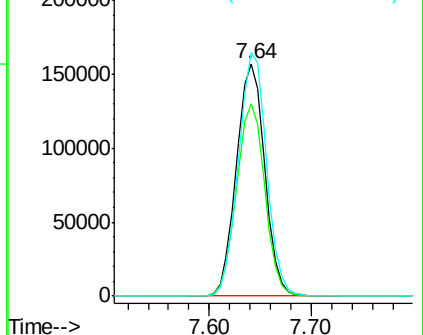
174 104.8 82.7 124.1

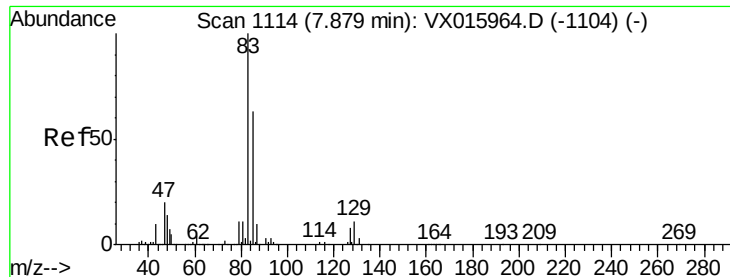


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 154.259 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

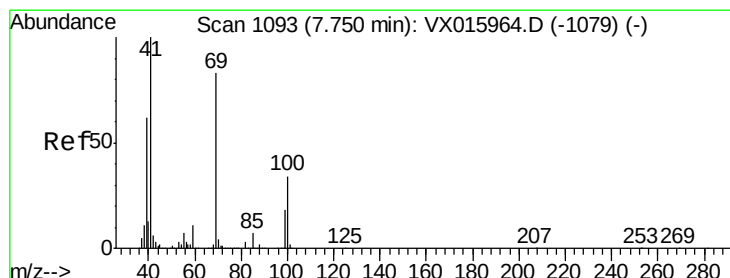
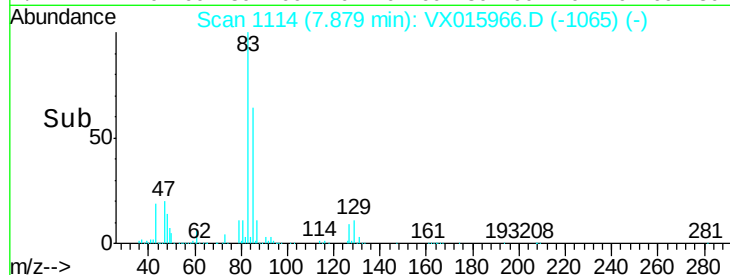
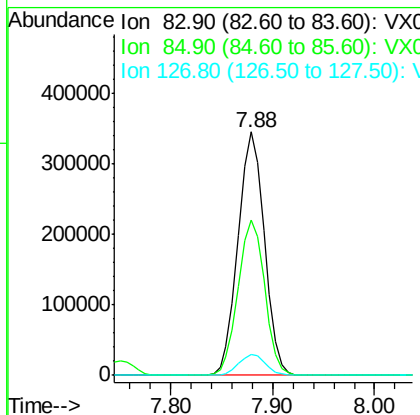
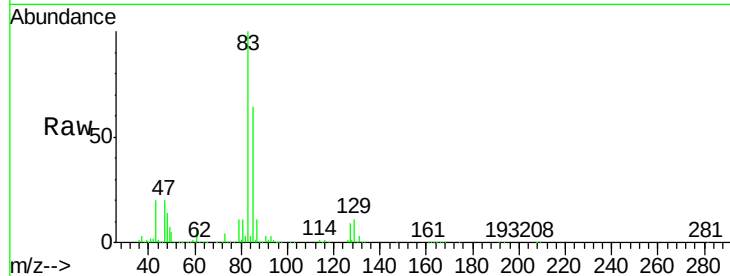
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	620731
Ion Ratio	Lower	Upper	
83	100		
85	64.0	50.6	75.8
127	8.7	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 157.607 ug/l

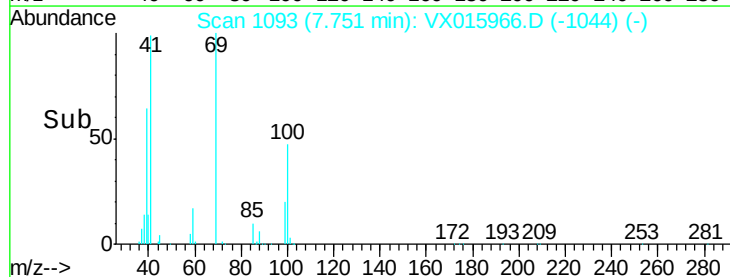
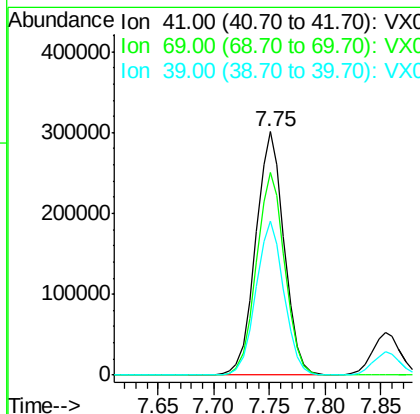
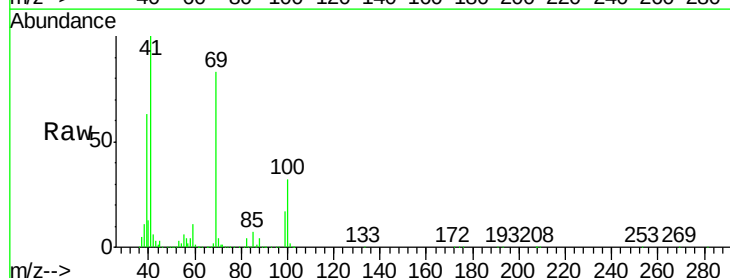
RT: 7.75 min Scan# 1093

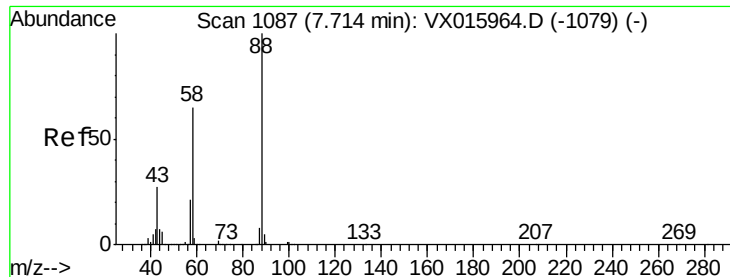
Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Tgt Ion:	41	Resp:	533980
Ion Ratio	Lower	Upper	
41	100		
69	83.3	66.0	99.0
39	62.6	49.0	73.4





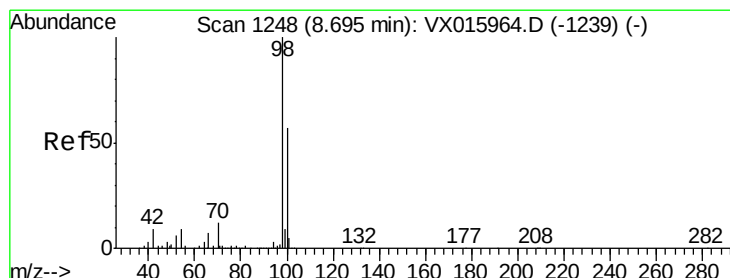
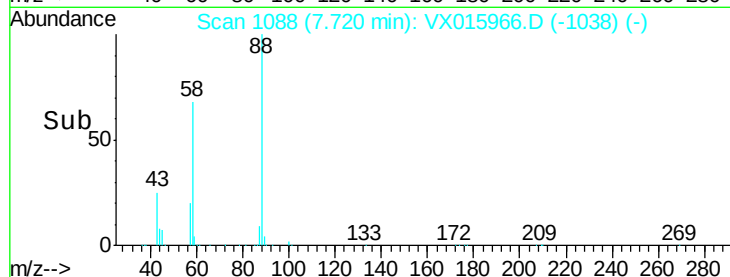
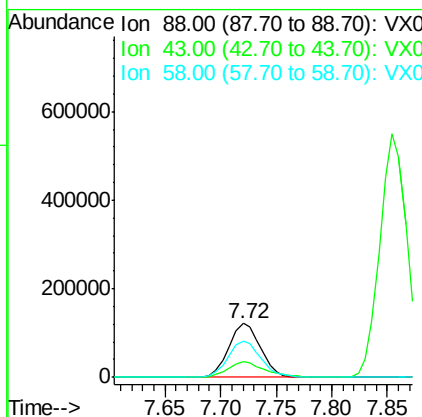
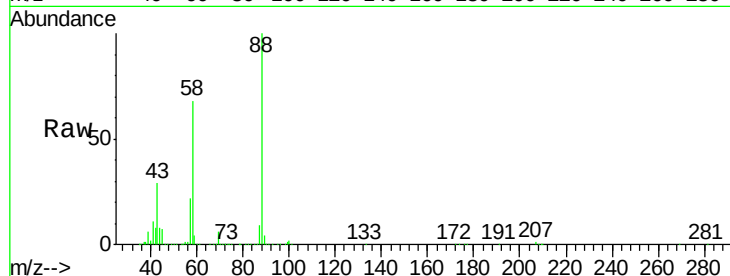
#49
1,4-Dioxane
Concen: 3005.740 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.6	39.8
58	69.6	54.8	82.2

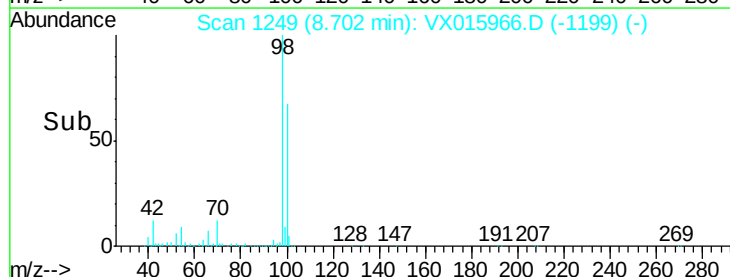
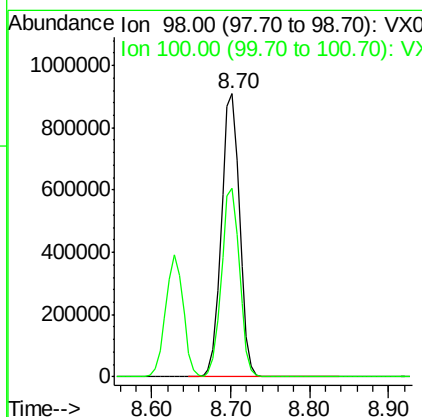
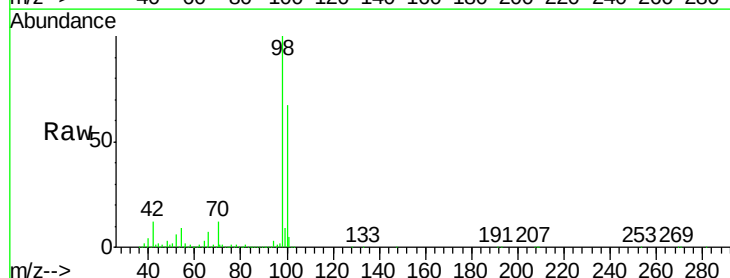
Manual Integrations
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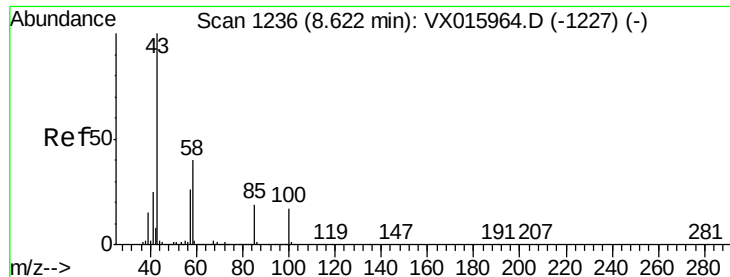
MMDadoda
4/30/2020 3:00:00 PM



#50
Toluene-d8
Concen: 153.927 ug/l
RT: 8.70 min Scan# 1249
Delta R.T. 0.01 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 783.406 ug/l

RT: 8.63 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3486992

Ion Ratio Lower Upper

43 100

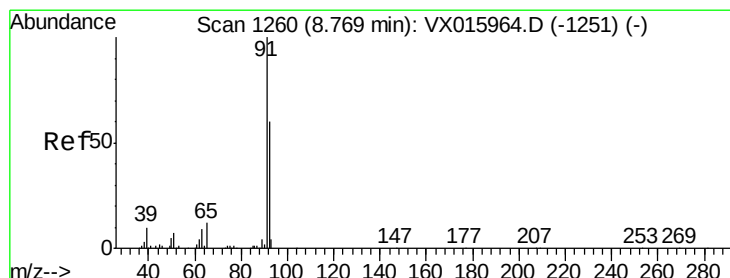
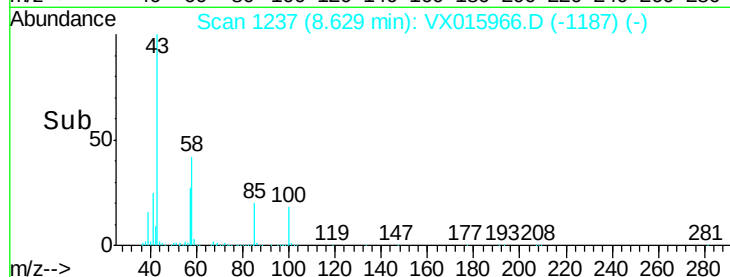
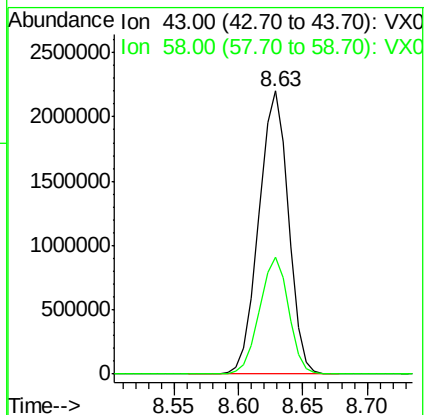
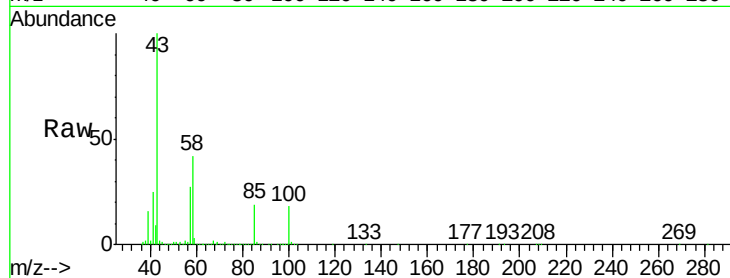
58 40.8 32.0 48.0

Manual Integrations

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#52

Toluene

Concen: 151.145 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX015966.D

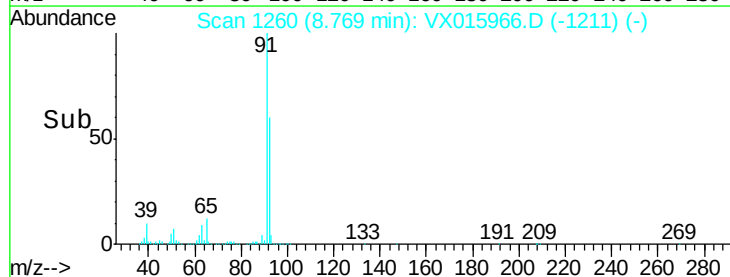
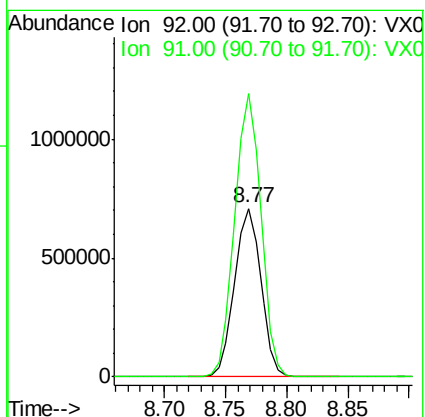
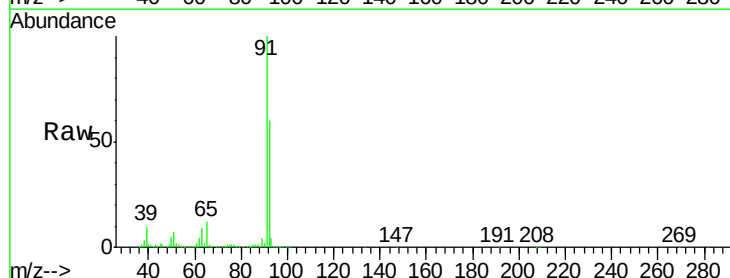
Acq: 28 Apr 2020 16:54

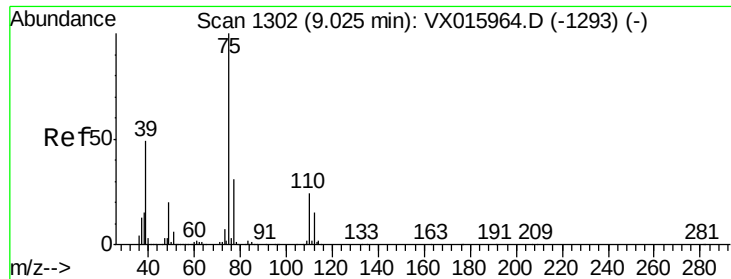
Tgt Ion: 92 Resp: 1057916

Ion Ratio Lower Upper

92 100

91 167.5 134.6 202.0





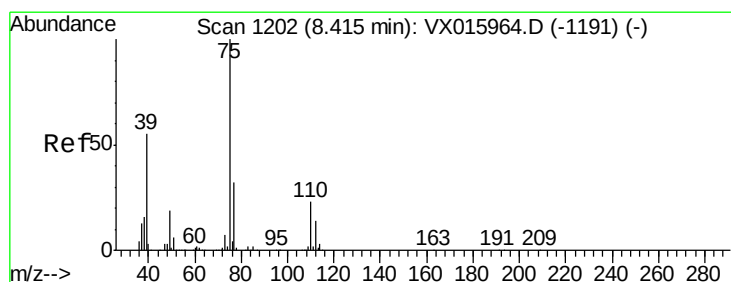
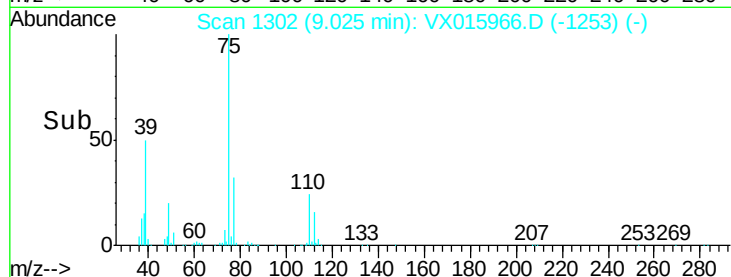
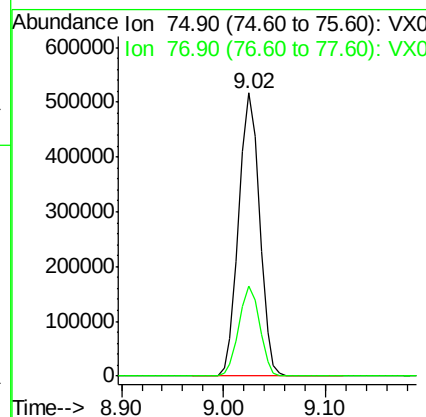
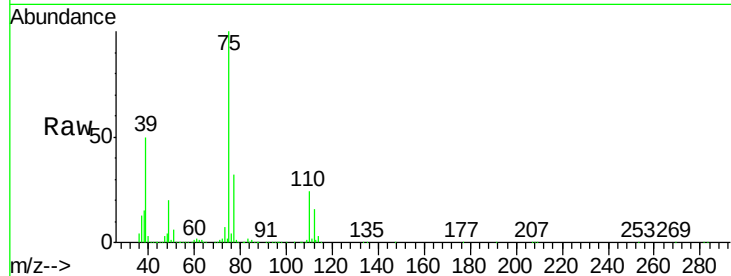
#53
t-1,3-Dichloropropene
Concen: 152.989 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.9	37.3

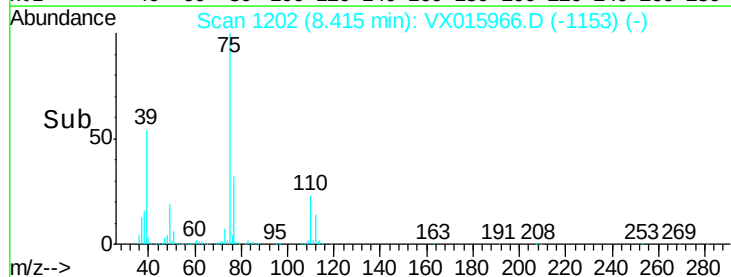
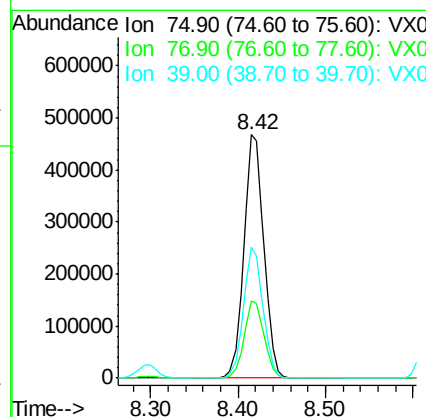
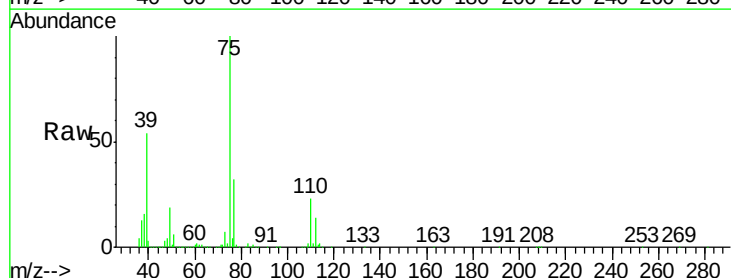
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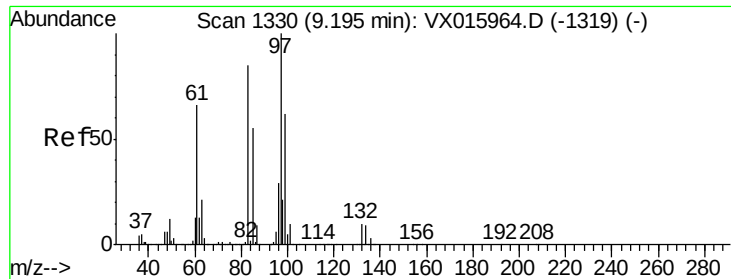
MMDadoda
4/30/2020 3:00:00 PM



#54
cis-1,3-Dichloropropene
Concen: 150.924 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.0
39	53.8	44.1	66.1





#55

1,1,2-Trichloroethane

Concen: 154.052 ug/l

RT: 9.20 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

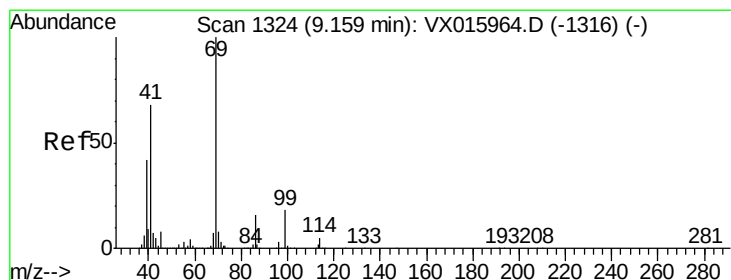
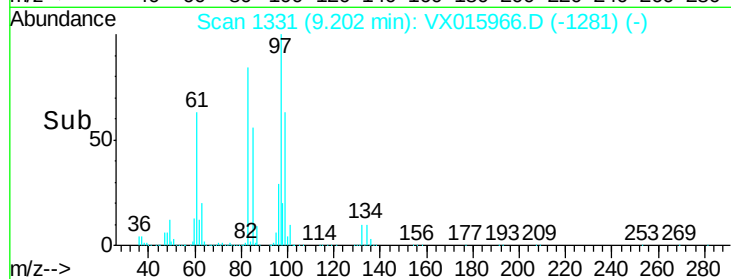
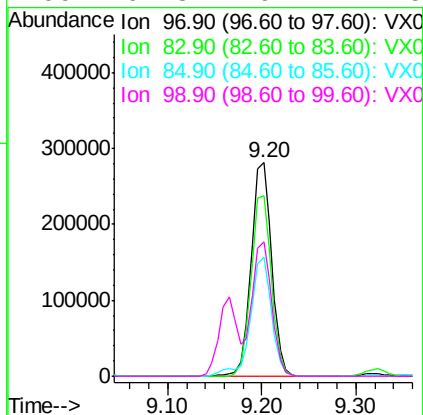
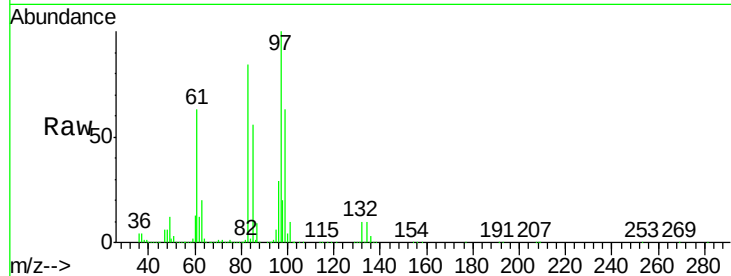
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	430906
Ion	Ratio	Lower	Upper
97	100		
83	84.4	68.2	102.2
85	55.7	43.7	65.5
99	62.8	49.7	74.5

Manual Integrations
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4/30/2020 3:00:00 PM



#56

Ethyl methacrylate

Concen: 163.698 ug/l

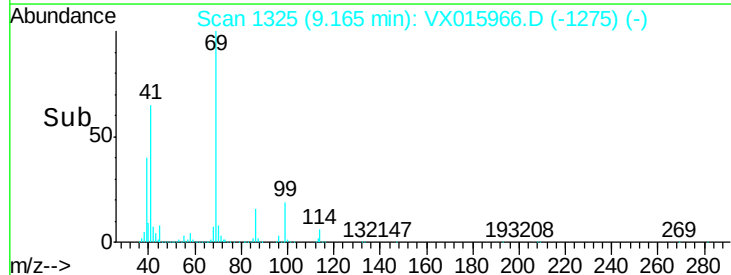
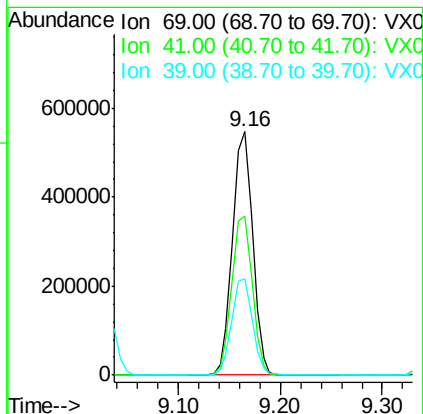
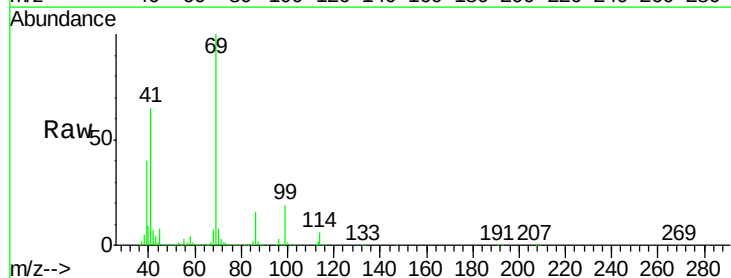
RT: 9.16 min Scan# 1325

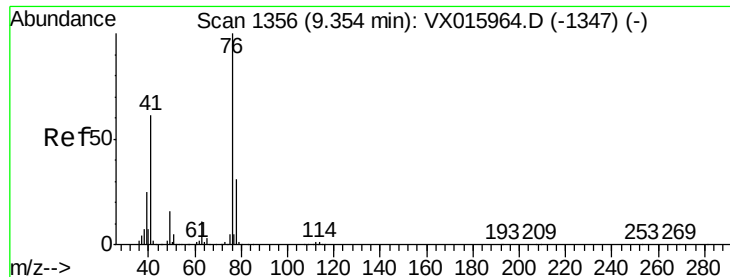
Delta R.T. 0.01 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Tgt Ion:	69	Resp:	744536
Ion	Ratio	Lower	Upper
69	100		
41	66.8	53.5	80.3
39	40.8	33.4	50.0





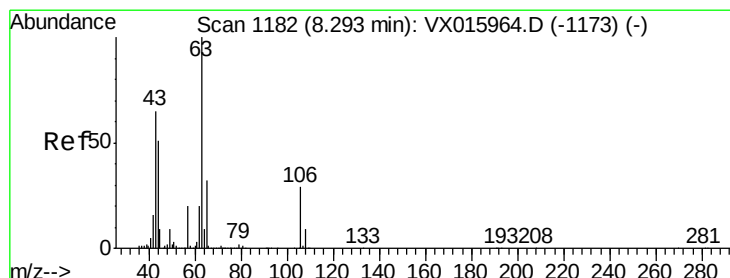
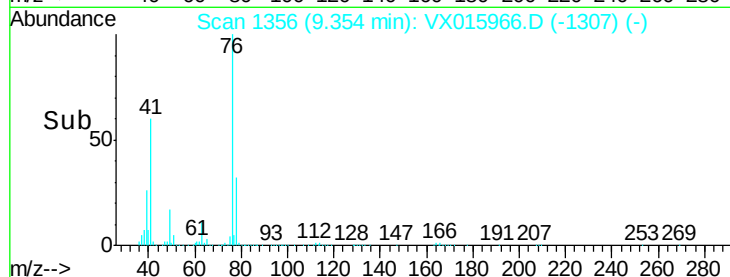
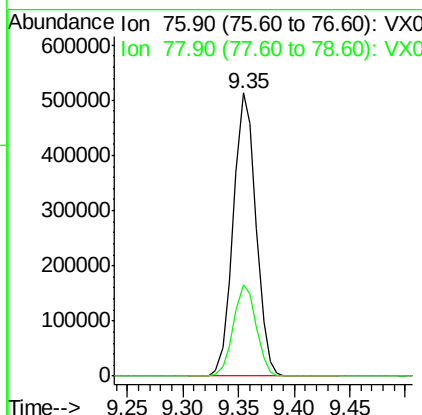
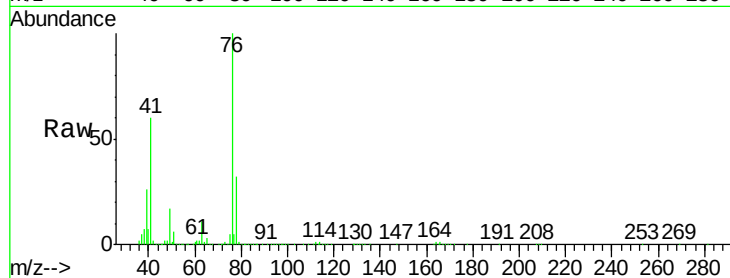
#57
 1,3-Dichloropropane
 Concen: 150.453 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VX015966.D
 Acq: 28 Apr 2020 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

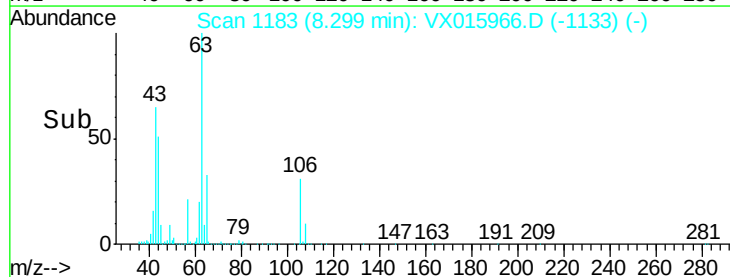
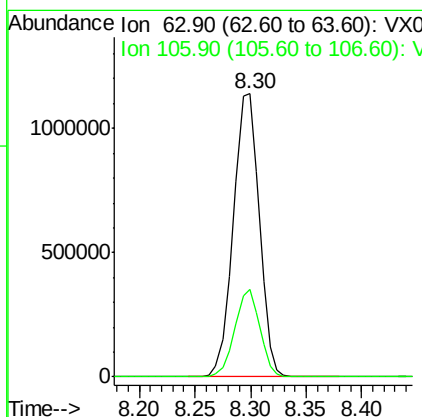
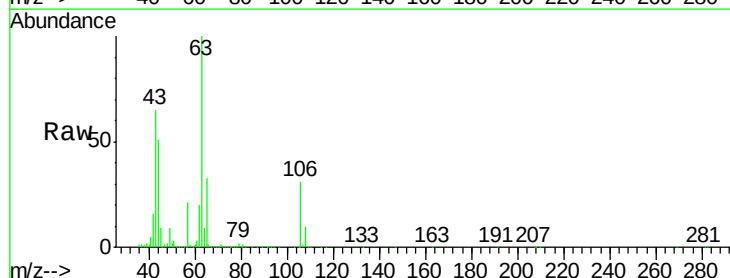
Manual Integrations
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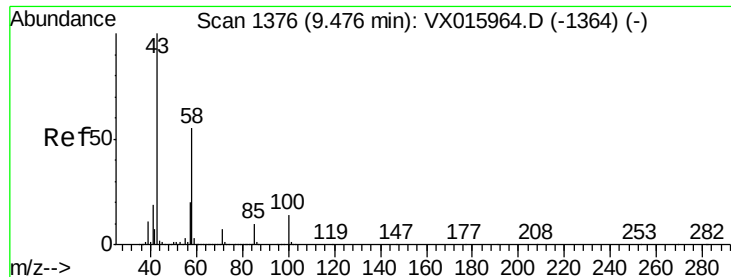
MMDadoda
 4/30/2020 3:00:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 782.240 ug/l
 RT: 8.30 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VX015966.D
 Acq: 28 Apr 2020 16:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.6	35.4





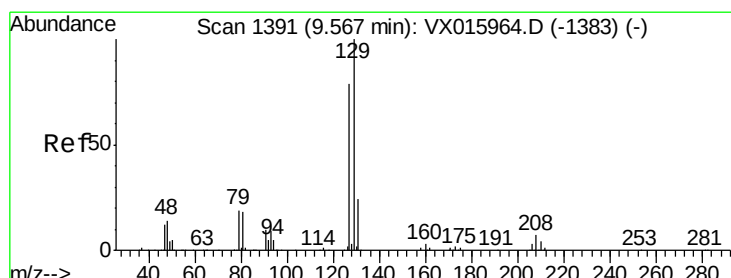
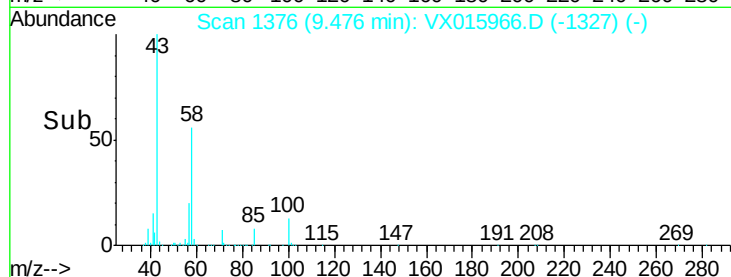
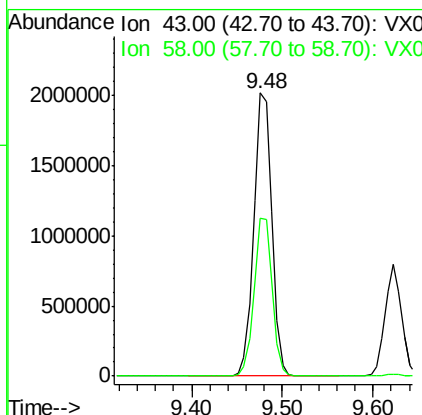
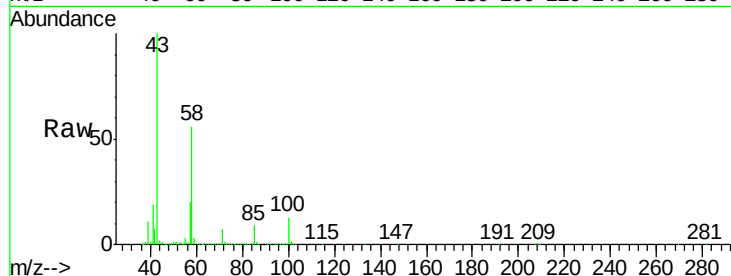
#59
2-Hexanone
Concen: 795.613 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2767570
Ion Ratio Lower Upper
43 100
58 56.2 27.7 83.1

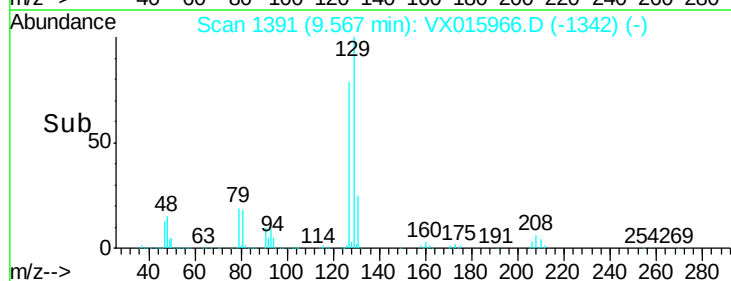
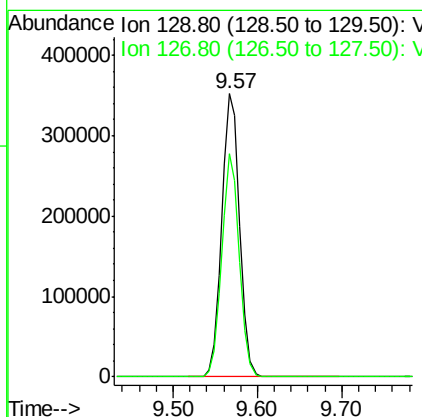
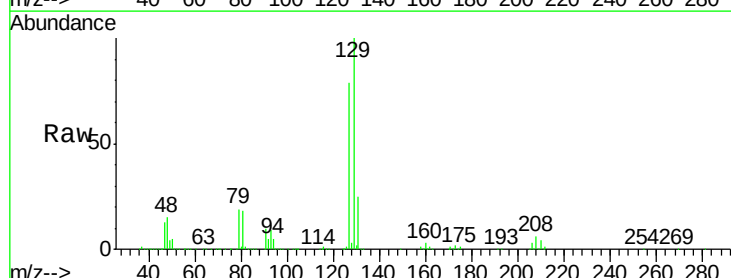
Manual Integrations
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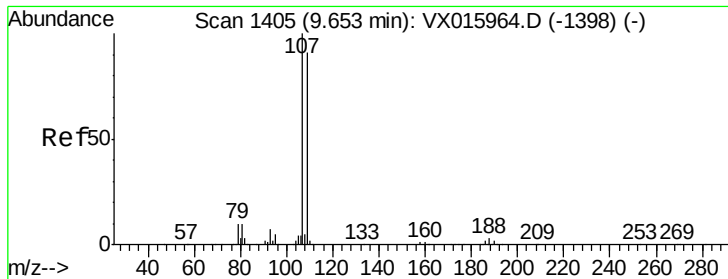
MMDadoda
4/30/2020 3:00:00 PM



#60
Dibromochloromethane
Concen: 164.857 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Tgt Ion: 129 Resp: 516123
Ion Ratio Lower Upper
129 100
127 77.1 39.4 118.1





#61

1,2-Dibromoethane

Concen: 154.124 ug/l

RT: 9.66 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 467487

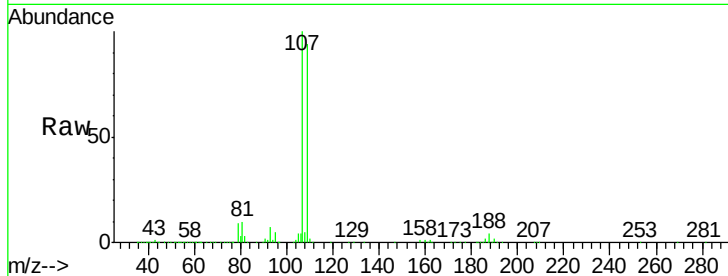
Ion Ratio Lower Upper

107 100

109 94.8 74.9 112.3

Manual Integrations
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MMDadoda
4/30/2020 3:00:00 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.66

400000

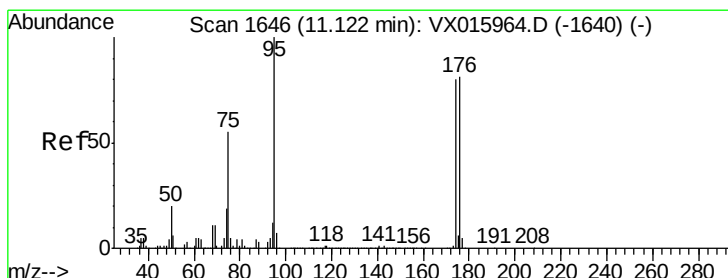
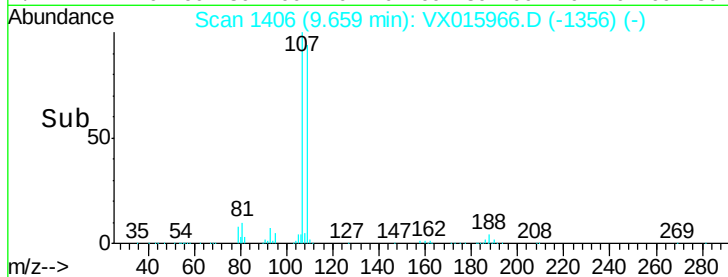
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 161.483 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

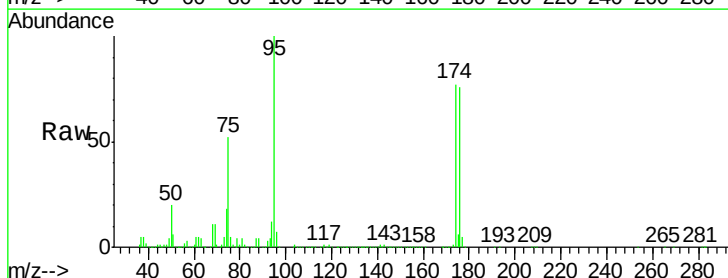
Tgt Ion: 95 Resp: 599387

Ion Ratio Lower Upper

95 100

174 82.0 0.0 165.0

176 80.3 0.0 163.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

600000

500000

400000

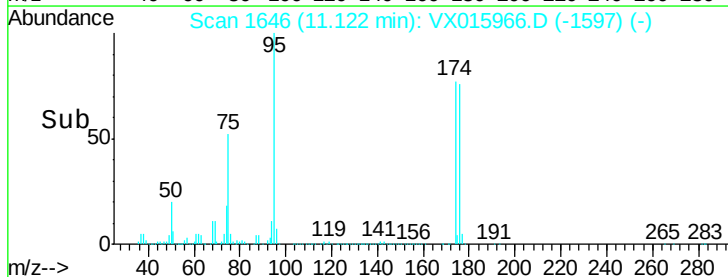
300000

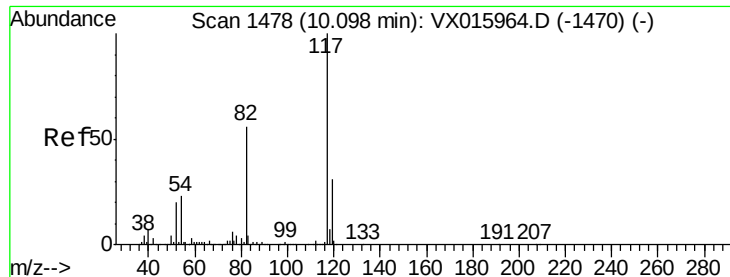
200000

100000

0

Time-->





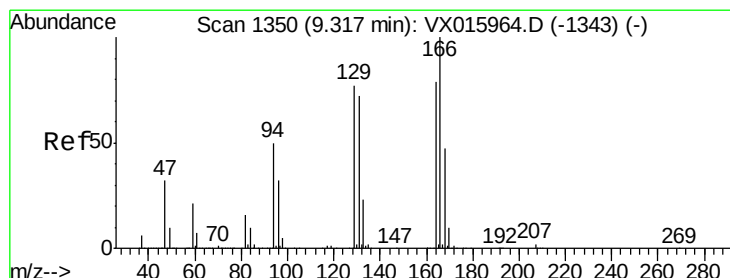
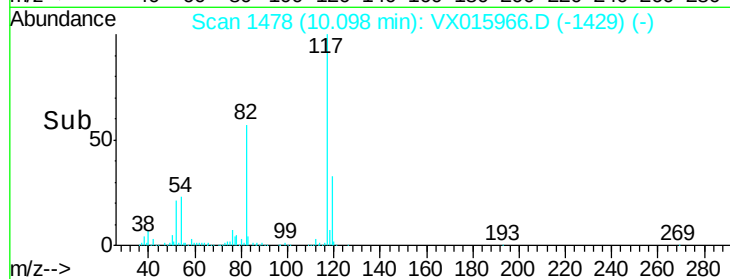
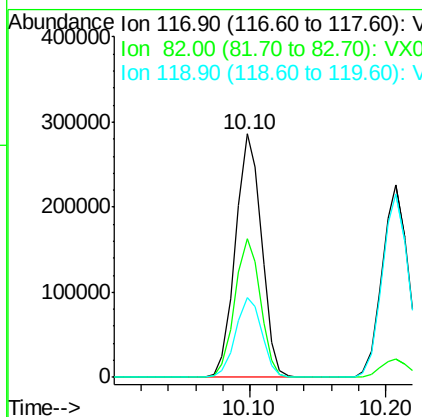
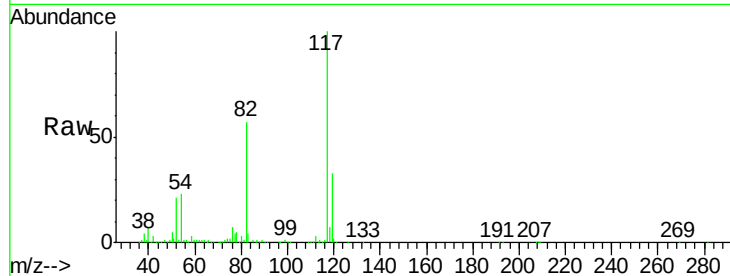
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	381140		
82	56.9	44.5	66.7	
119	32.5	25.0	37.6	

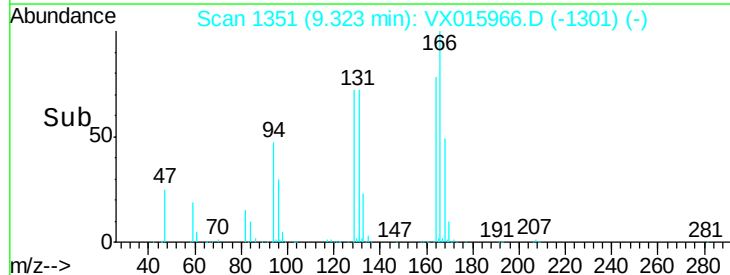
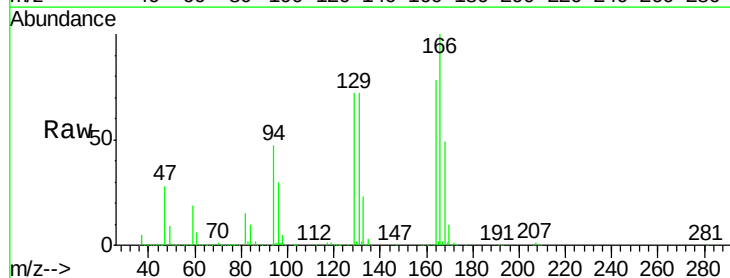
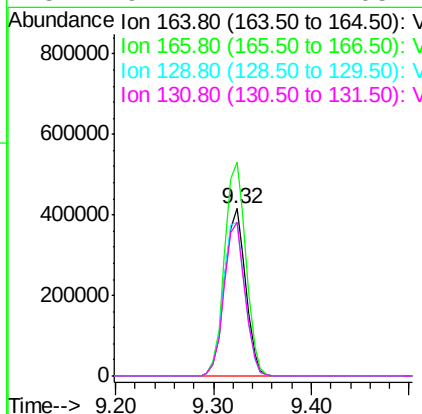
Manual Integrations
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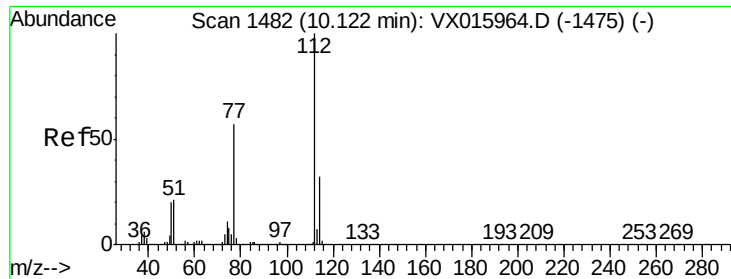
MMDadoda
4/30/2020 3:00:00 PM



#64
Tetrachloroethene
Concen: 137.465 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	621543		
166	127.4	101.0	151.4	
129	91.9	77.4	116.0	
131	91.4	72.2	108.2	





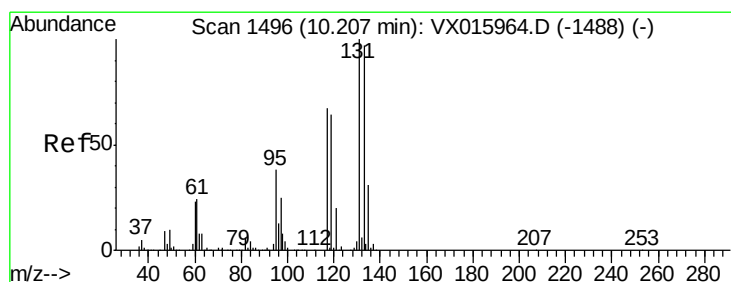
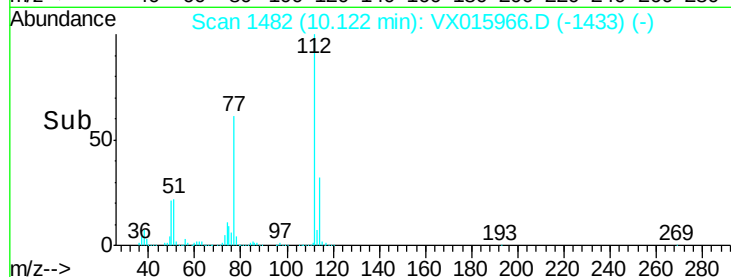
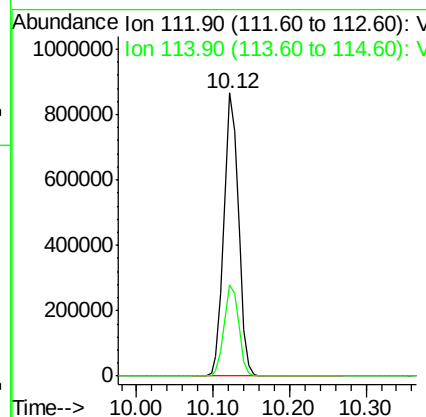
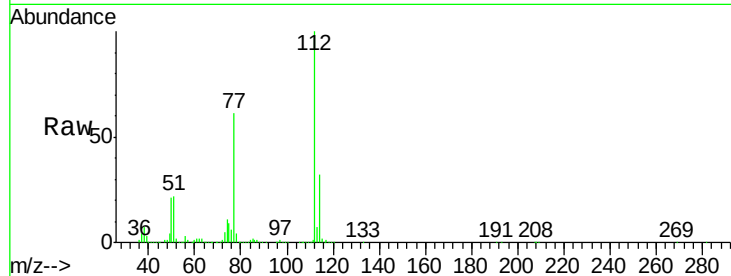
#65
Chlorobenzene
Concen: 147.859 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1147803
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0

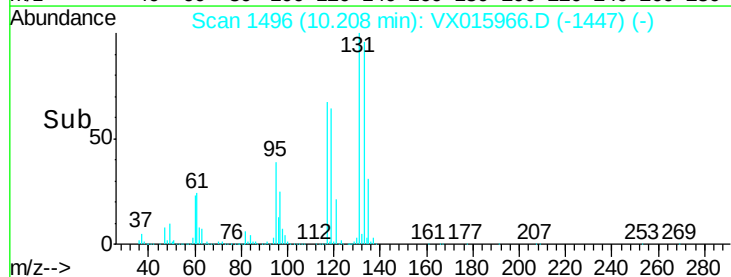
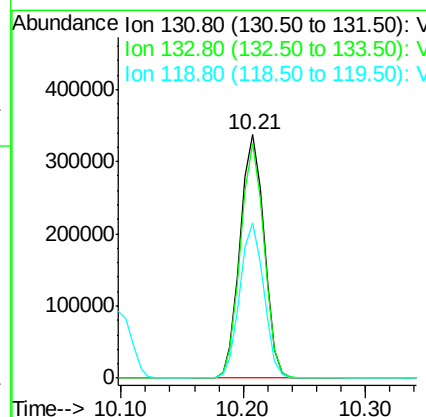
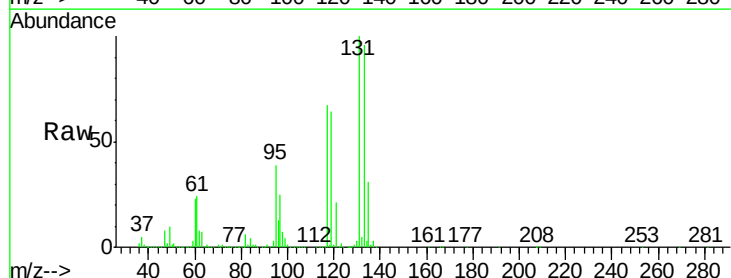
Manual Integrations
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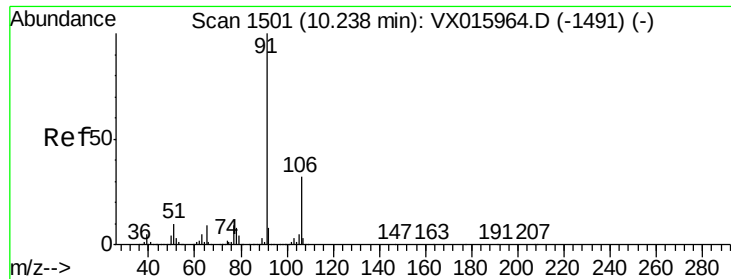
MMDadoda
4/30/2020 3:00:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 155.646 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Tgt Ion:131 Resp: 456664
Ion Ratio Lower Upper
131 100
133 94.9 48.3 144.8
119 63.2 31.6 94.8





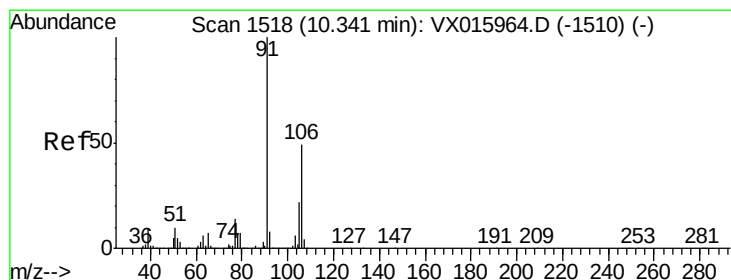
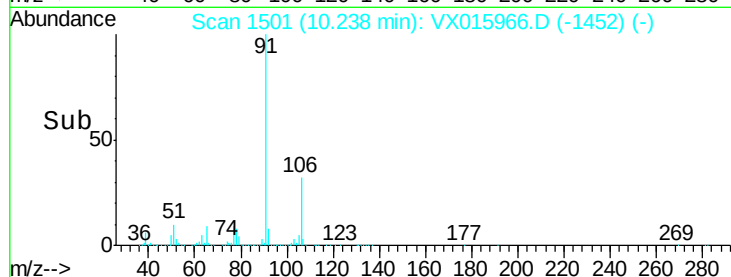
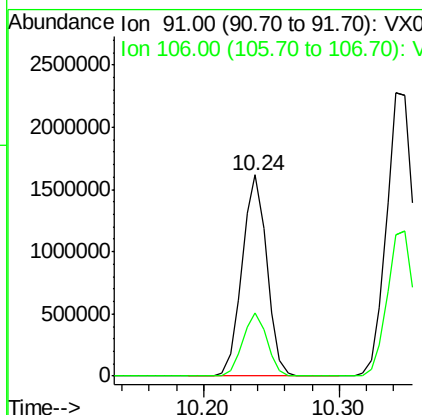
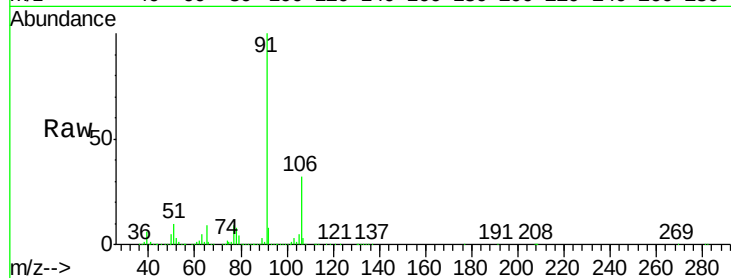
#67
Ethyl Benzene
Concen: 147.990 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2045891
Ion Ratio Lower Upper
91 100
106 31.8 25.3 37.9

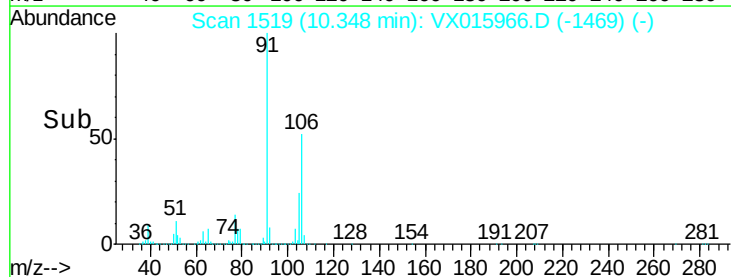
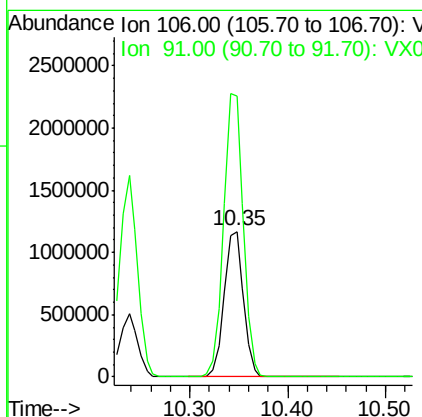
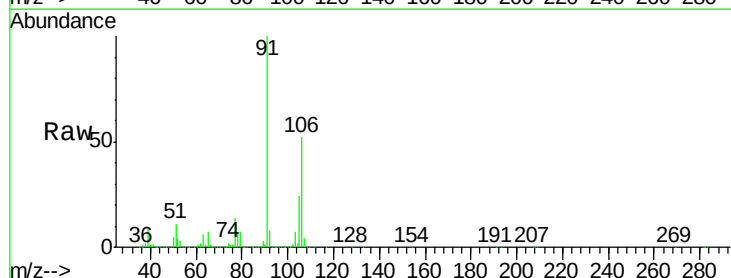
Manual Integrations
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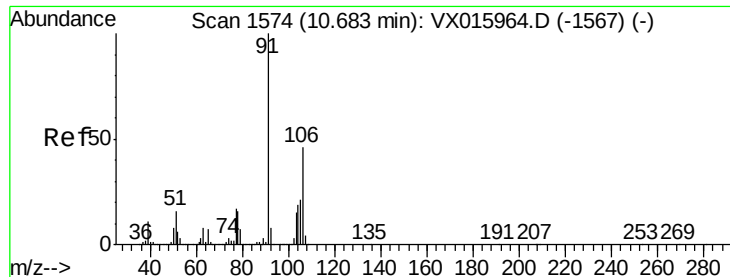
MMDadoda
4/30/2020 3:00:00 PM



#68
m/p-Xylenes
Concen: 303.180 ug/l
RT: 10.35 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Tgt Ion: 106 Resp: 1590409
Ion Ratio Lower Upper
106 100
91 198.5 161.6 242.4





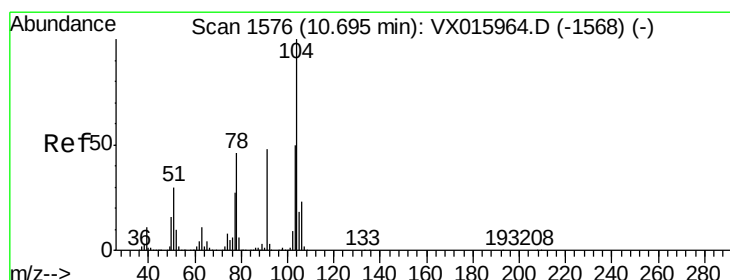
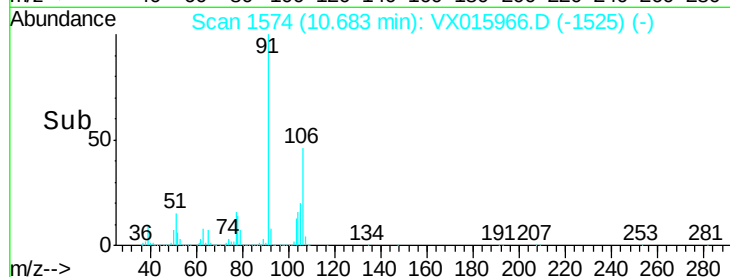
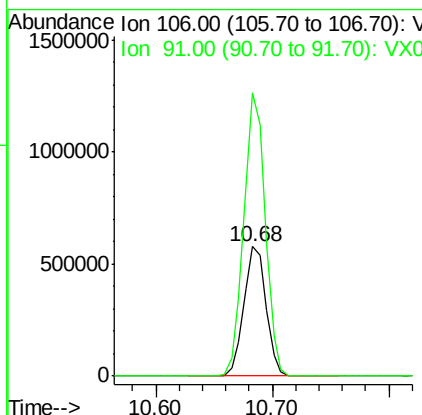
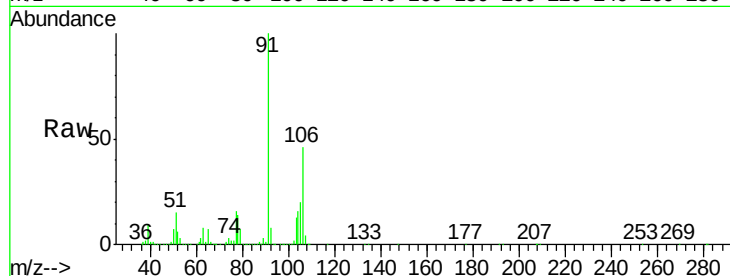
#69
o-Xylene
Concen: 154.971 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.7	106.1	318.3

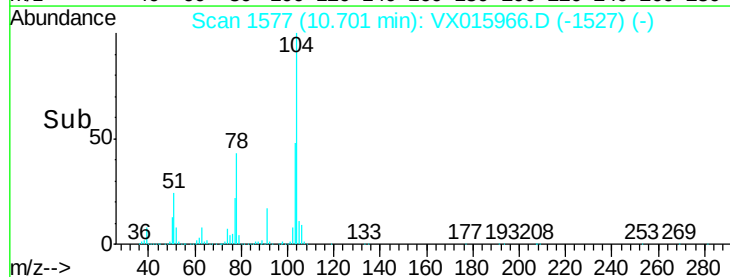
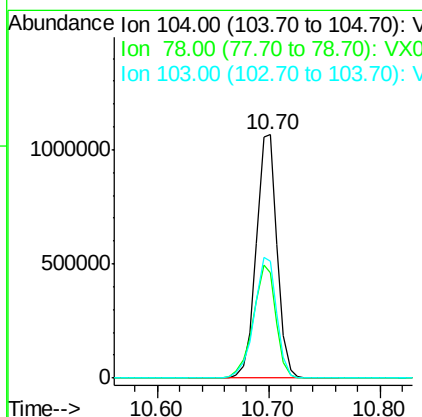
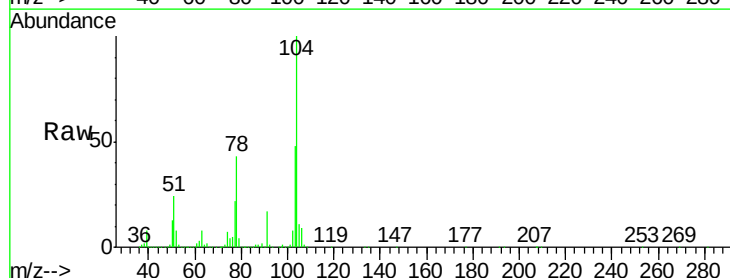
Manual Integrations
APPROVED

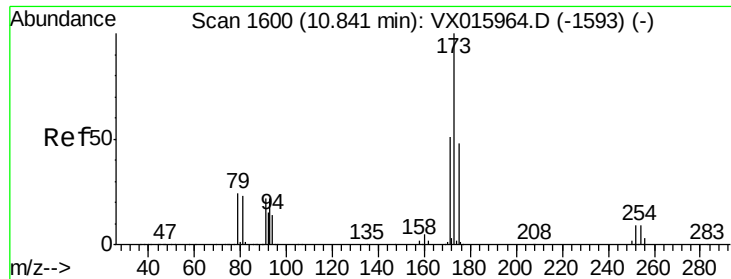
MMDadoda
4/30/2020 3:00:00 PM



#70
Styrene
Concen: 162.275 ug/l
RT: 10.70 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.5	41.0	61.4
103	53.4	43.4	65.2





#71

Bromoform

Concen: 174.963 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

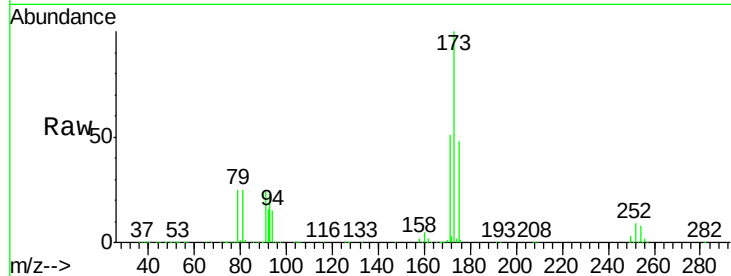
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
173	100	415865		
175	48.5	24.1	72.4	
254	0.1	0.1	0.1	

Manual Integrations
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4/30/2020 3:00:00 PM

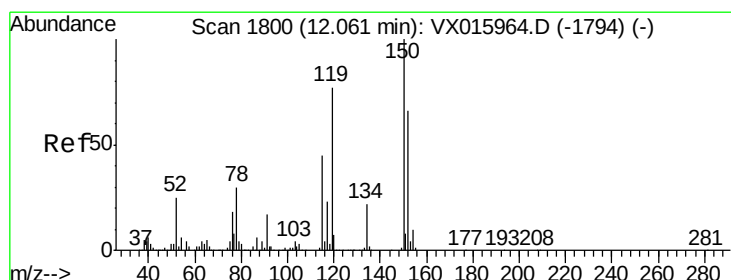
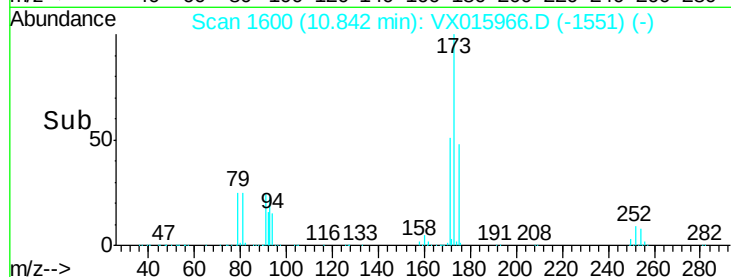
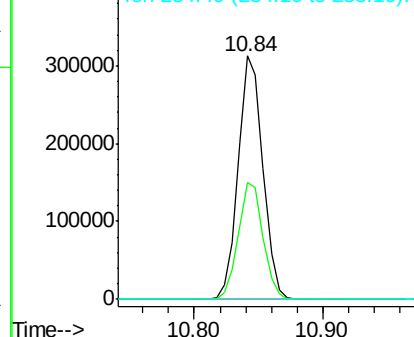


Abundance

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

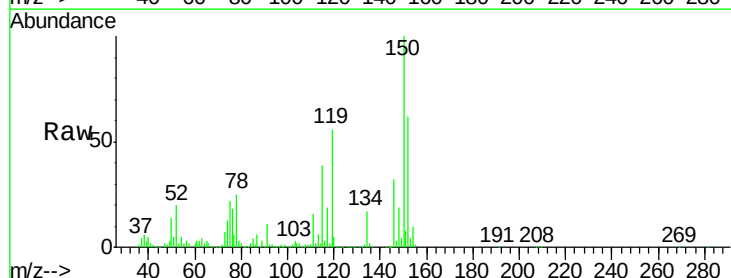
RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	212167		
115	130.6	40.9	122.7	
150	205.6	0.0	342.4	

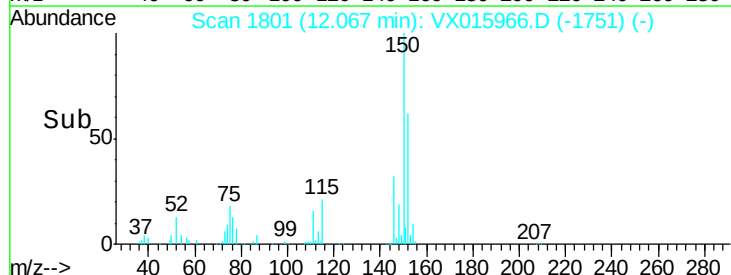
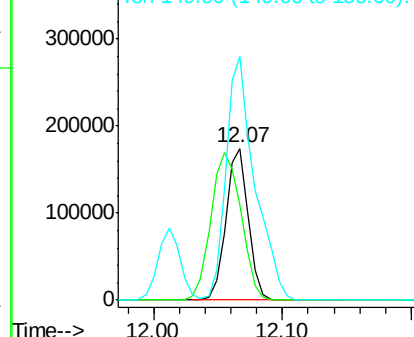


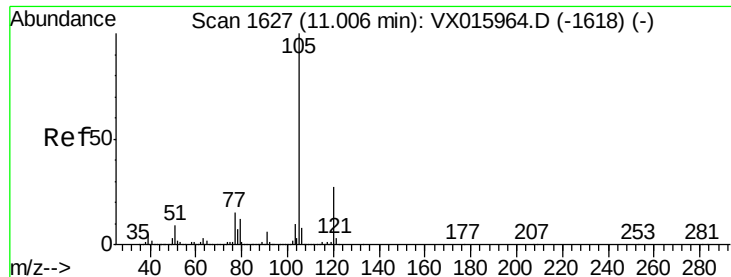
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 143.170 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2066406

Ion Ratio Lower Upper

105 100

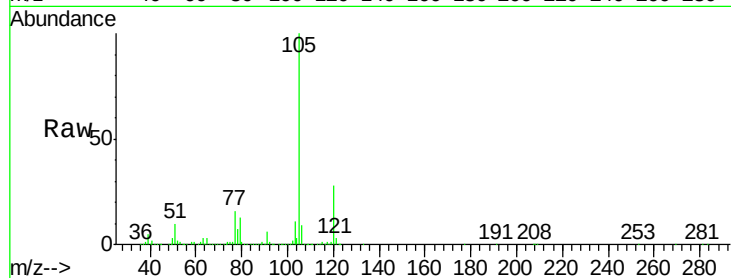
120 27.0 13.3 39.8

Manual Integrations

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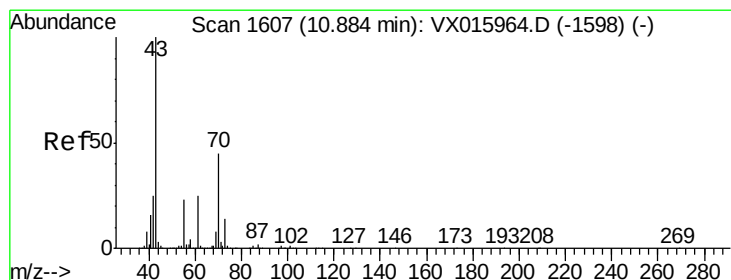
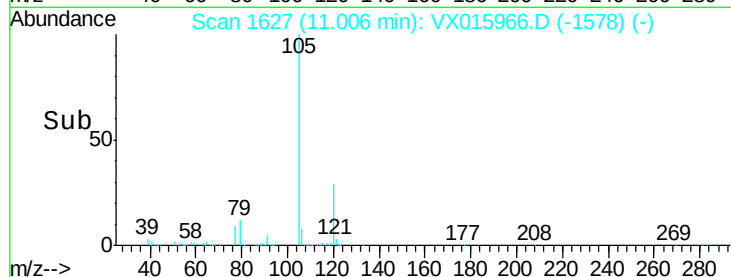
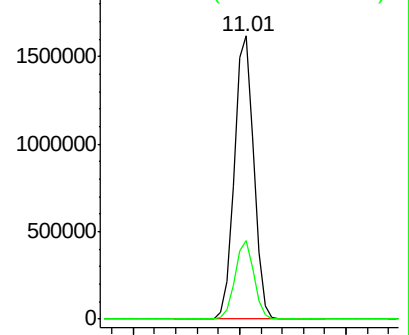
MMDadoda

4/30/2020 3:00:00 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 150.185 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Tgt Ion: 43 Resp: 1045448

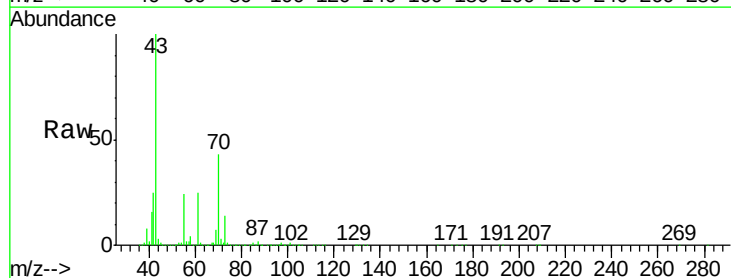
Ion Ratio Lower Upper

43 100

70 43.4 34.5 51.7

55 23.3 18.6 28.0

61 24.8 19.8 29.6

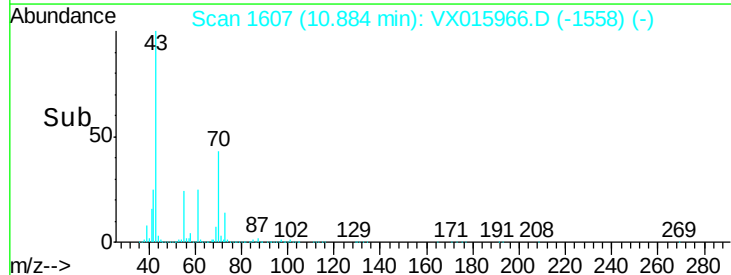
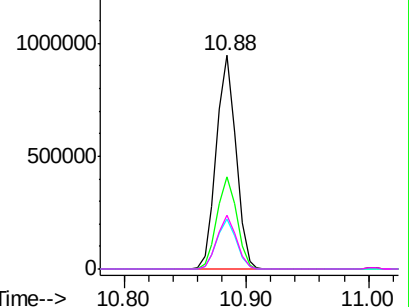


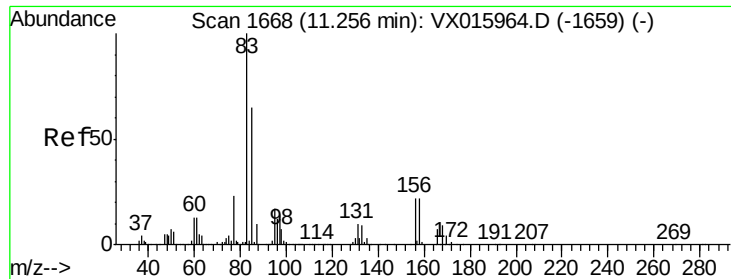
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 189.036 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

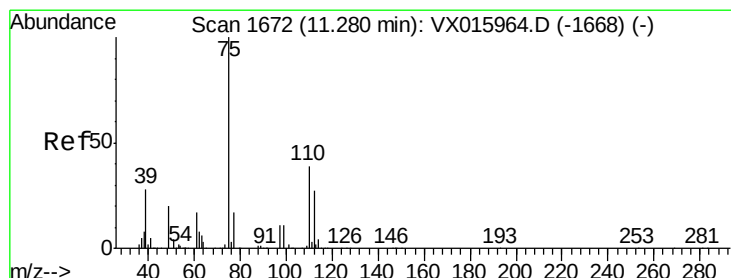
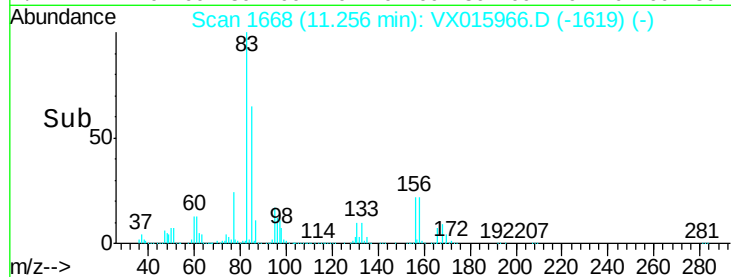
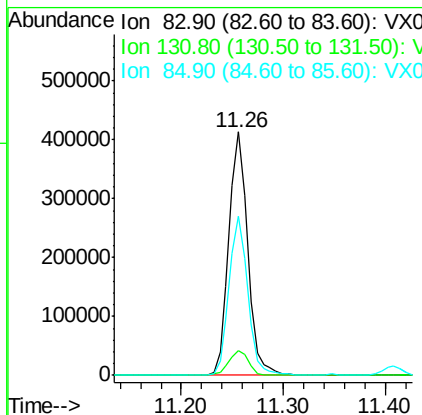
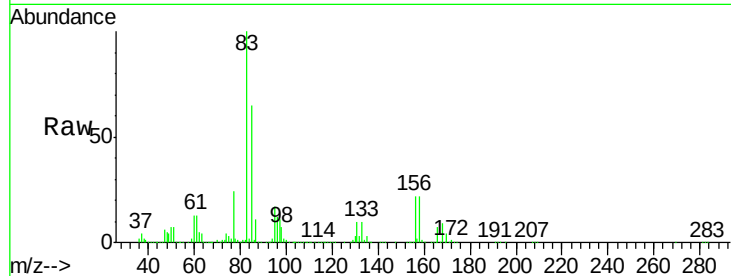
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	528880
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.4
85	65.1	32.2	96.6

Manual Integrations
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4/30/2020 3:00:00 PM



#76

1,2,3-Trichloropropane

Concen: 112.786 ug/l m

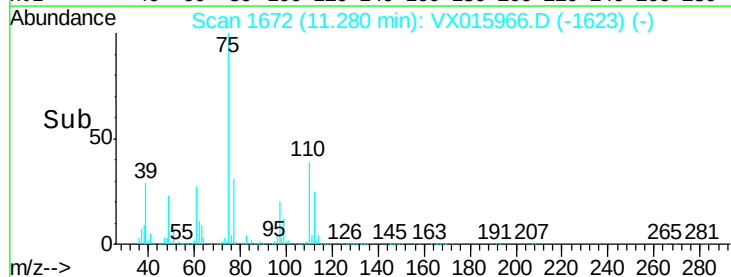
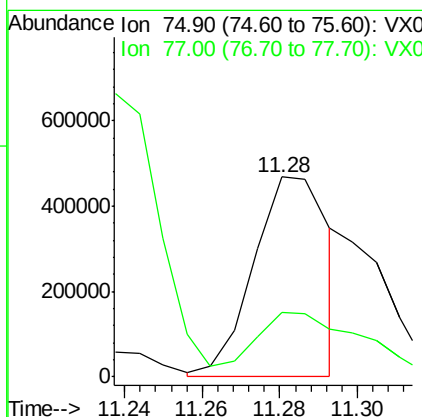
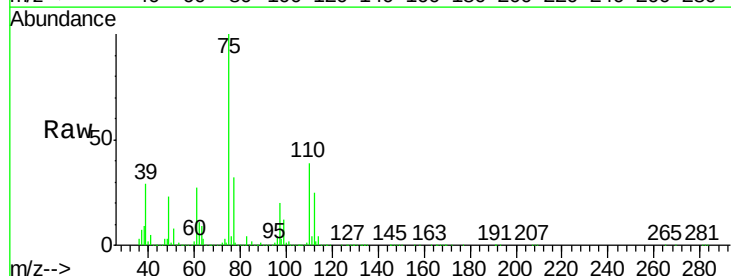
RT: 11.28 min Scan# 1672

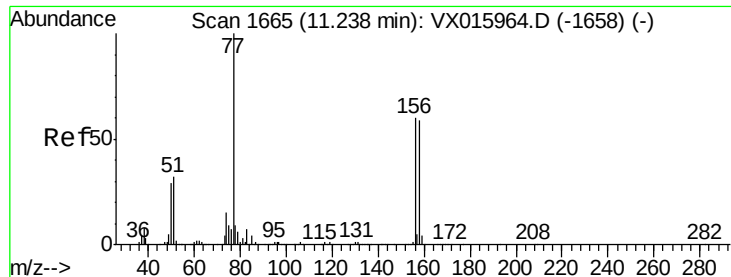
Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Tgt Ion:	75	Resp:	626681
Ion Ratio	Lower	Upper	
75	100		
77	46.3	21.6	65.0





#77

Bromobenzene

Concen: 144.792 ug/l

RT: 11.24 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

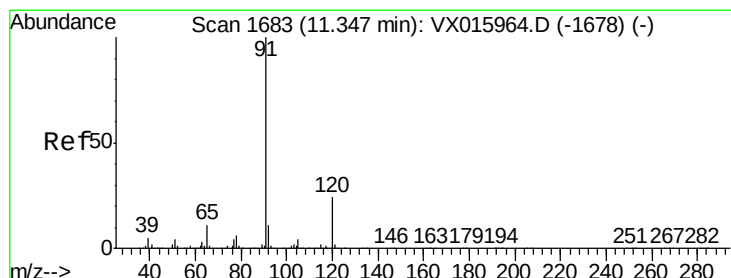
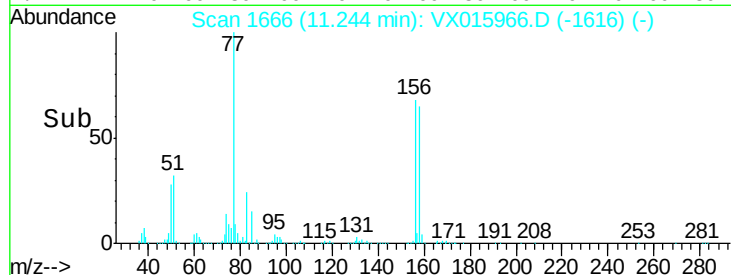
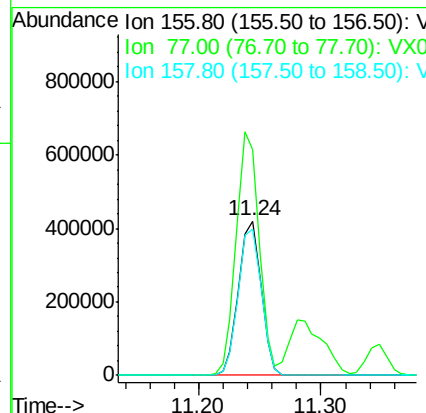
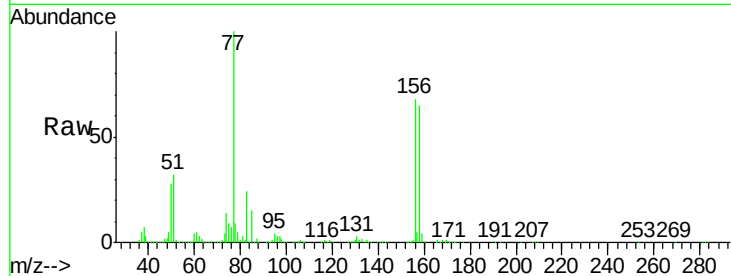
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	158.5	78.3	234.8
158	97.1	48.5	145.5

Manual Integrations
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4/30/2020 3:00:00 PM



#78

n-propylbenzene

Concen: 145.335 ug/l

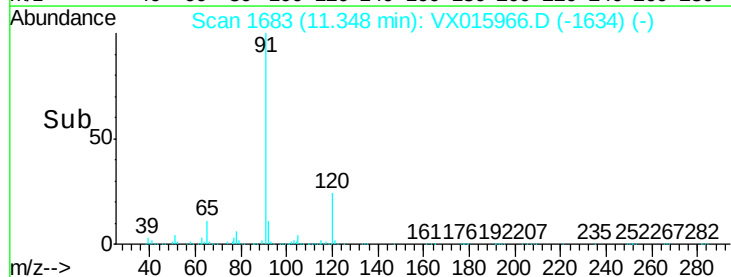
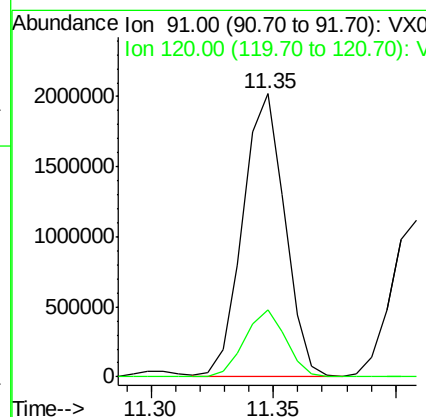
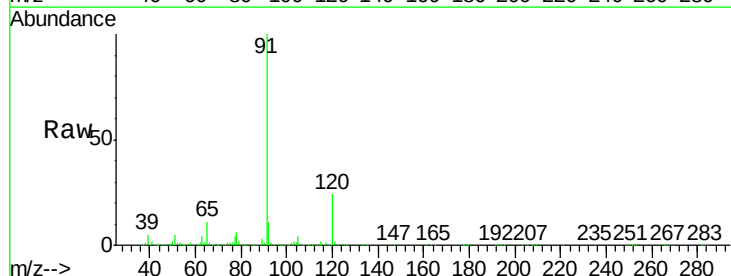
RT: 11.35 min Scan# 1683

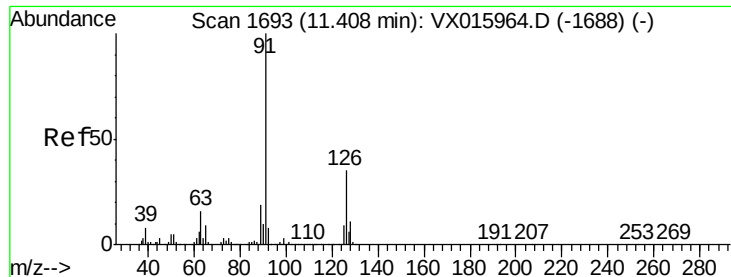
Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.8	35.3





#79

2-Chlorotoluene

Concen: 143.608 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1420649

Ion Ratio Lower Upper

91 100

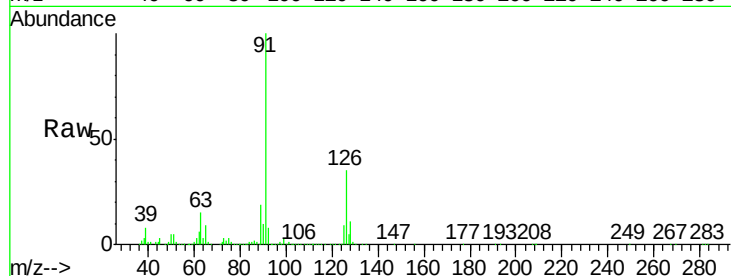
126 34.5 17.0 51.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX015966.D (-1688) (-)

Ion 125.90 (125.60 to 126.60): VX015966.D (-1688) (-)

2000000

1500000

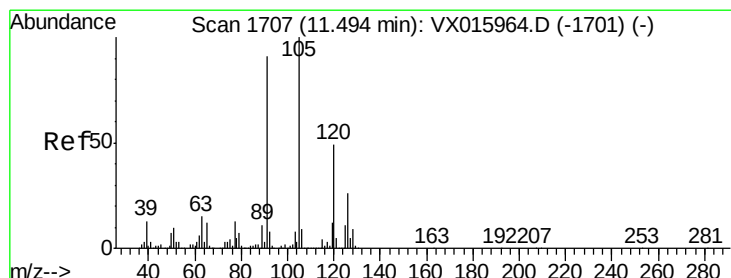
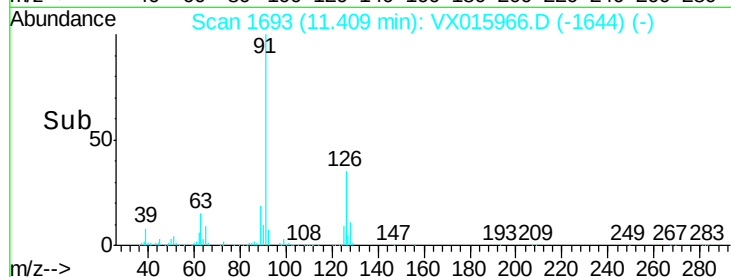
1000000

500000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 148.220 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015966.D

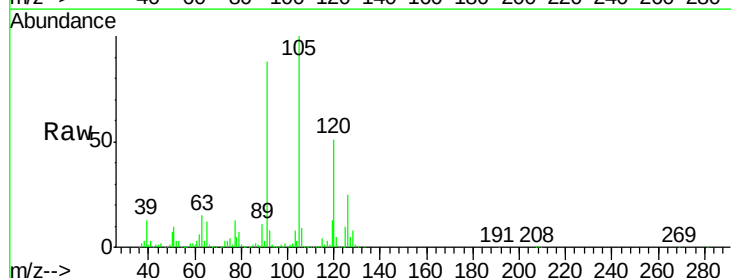
Acq: 28 Apr 2020 16:54

Tgt Ion: 105 Resp: 1802086

Ion Ratio Lower Upper

105 100

120 50.0 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VX015966.D (-1658) (-)

Ion 120.00 (119.70 to 120.70): VX015966.D (-1658) (-)

1500000

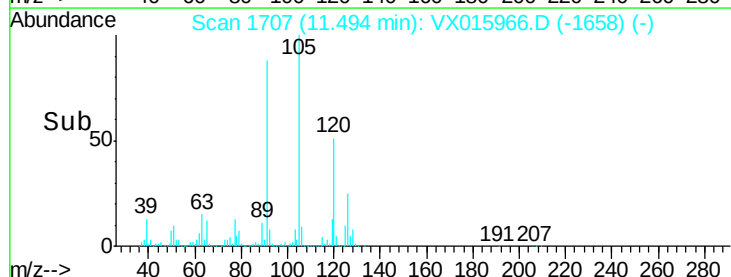
1000000

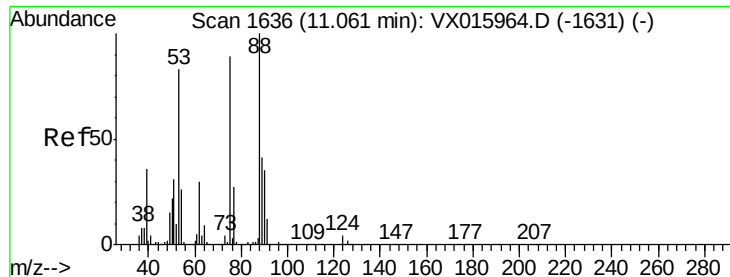
500000

0

11.49 11.50 11.60

Time-->





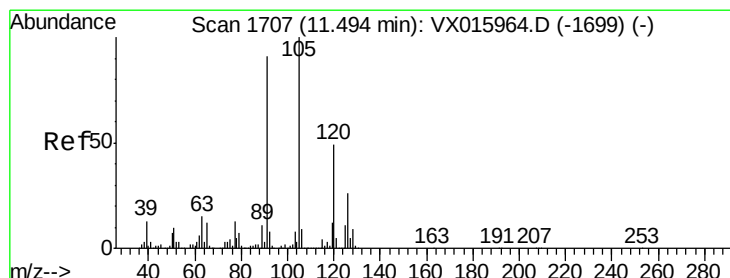
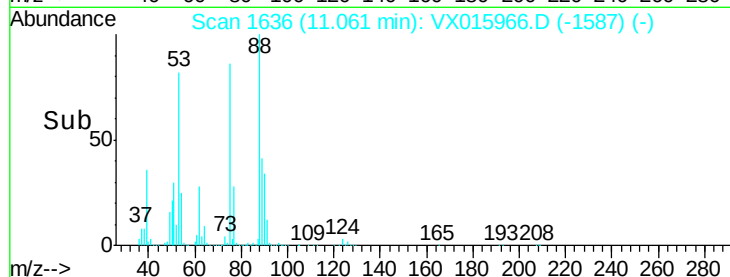
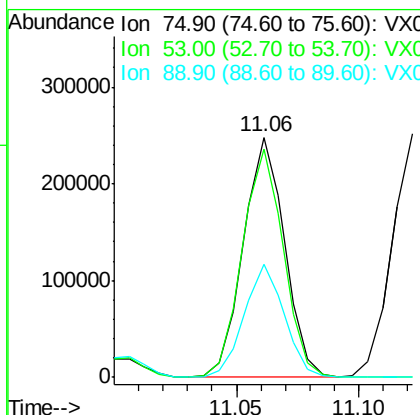
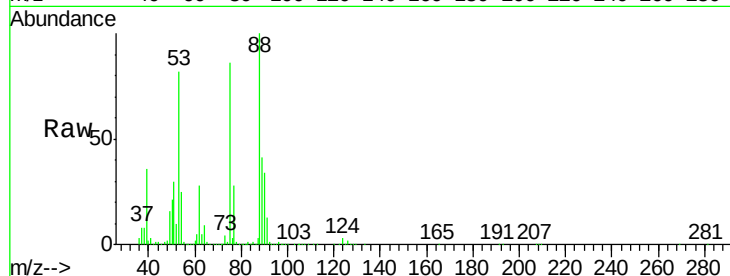
#81
trans-1,4-Dichloro-2-butene
Concen: 154.211 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.0	78.3	117.5
89	46.0	37.2	55.8

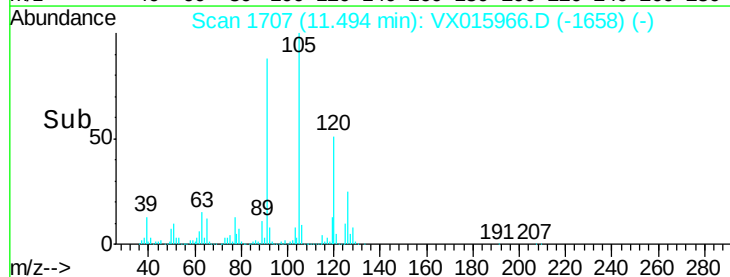
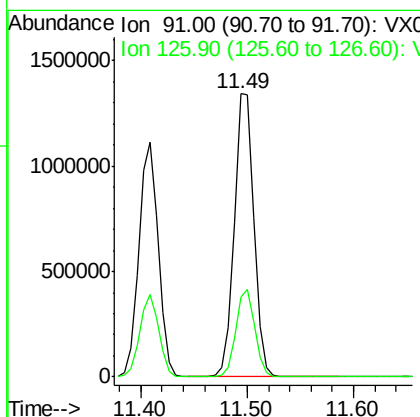
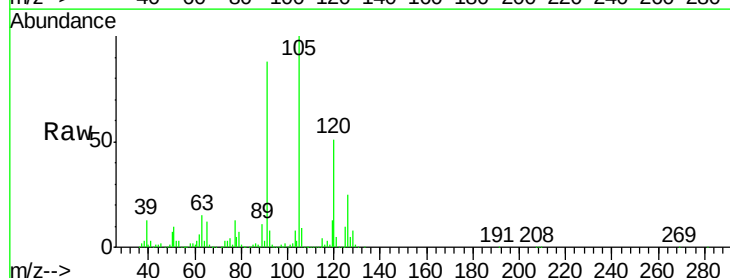
Manual Integrations
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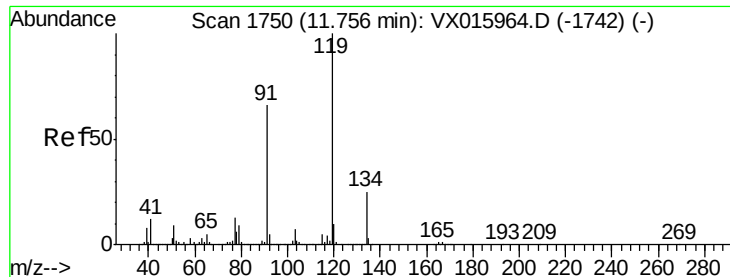
MMDadoda
4/30/2020 3:00:00 PM



#82
4-Chlorotoluene
Concen: 146.662 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.9	14.8	44.3





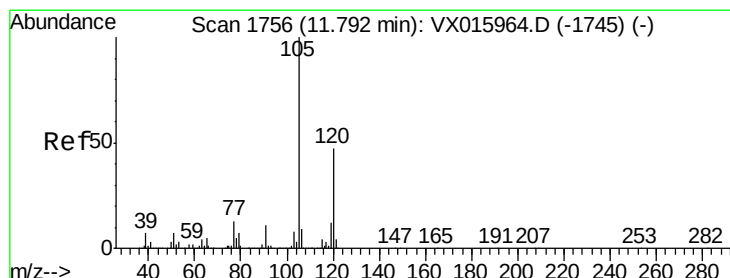
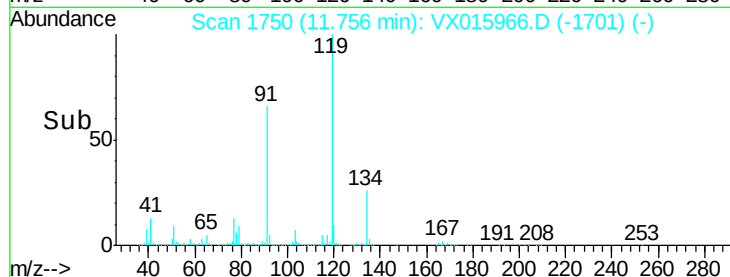
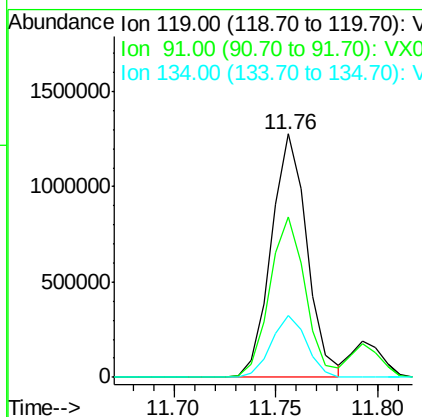
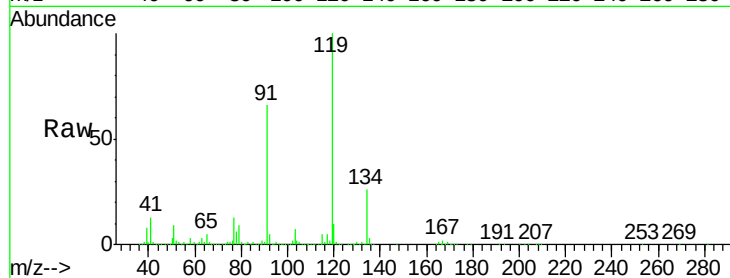
#83
 tert-Butylbenzene
 Concen: 148.528 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VX015966.D
 Acq: 28 Apr 2020 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	33.5	100.4
134	25.2	12.4	37.2

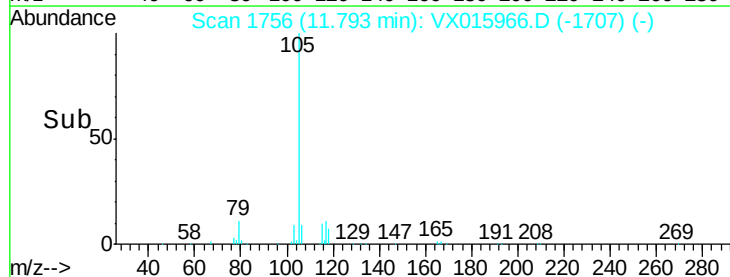
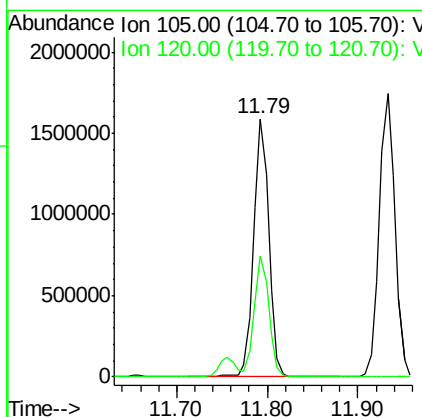
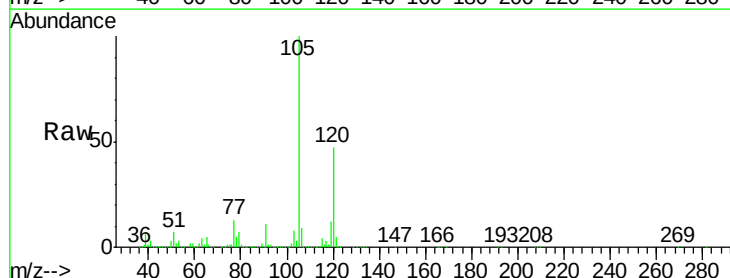
Manual Integrations
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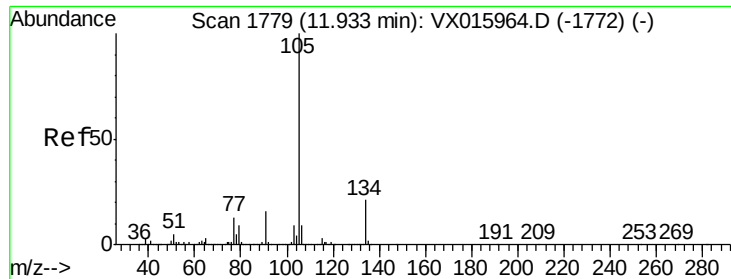
MMDadoda
 4/30/2020 3:00:00 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 150.399 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX015966.D
 Acq: 28 Apr 2020 16:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.9	68.8





#85

sec-Butylbenzene

Concen: 148.043 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2090959

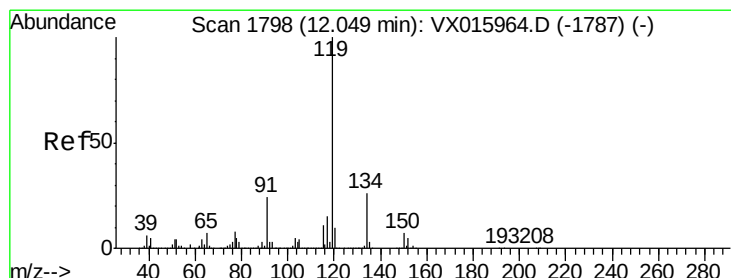
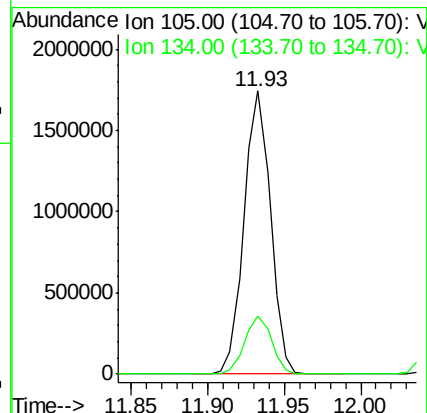
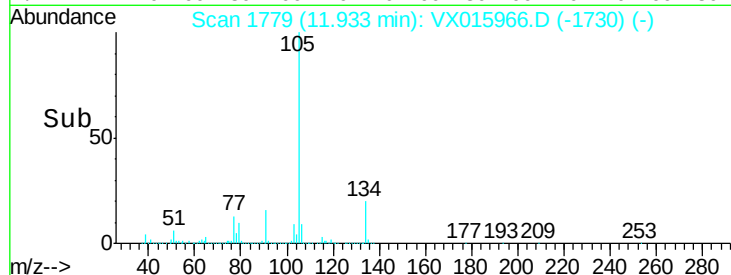
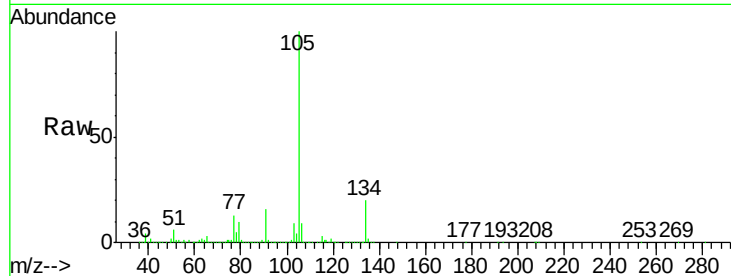
Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.1

Manual Integrations
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MMDadoda
4/30/2020 3:00:00 PM



#86

p-Isopropyltoluene

Concen: 148.835 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

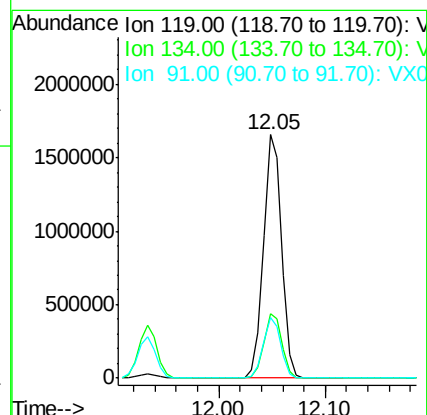
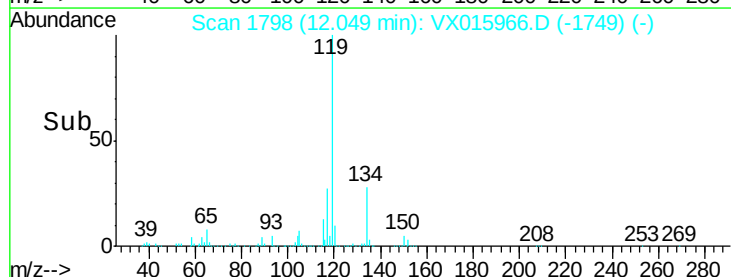
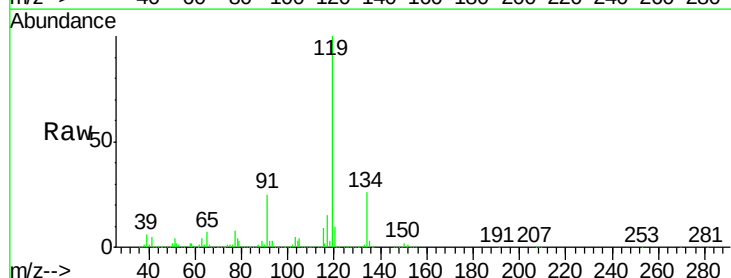
Tgt Ion:119 Resp: 1969032

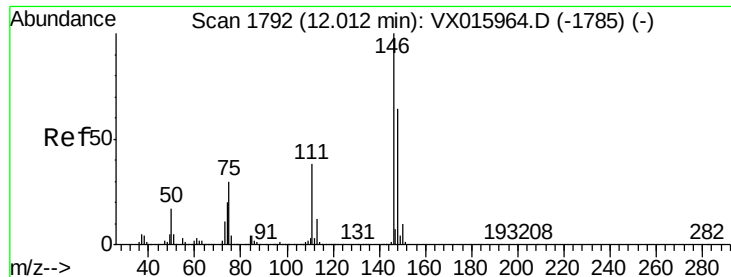
Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

91 24.2 11.9 35.9





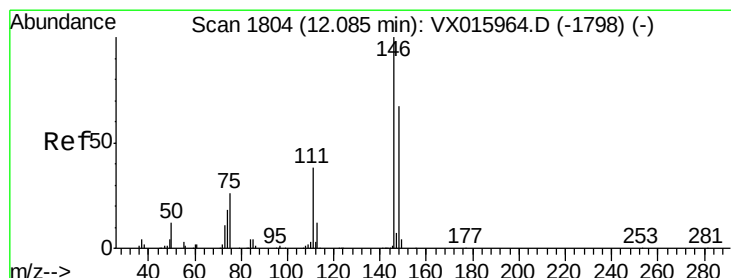
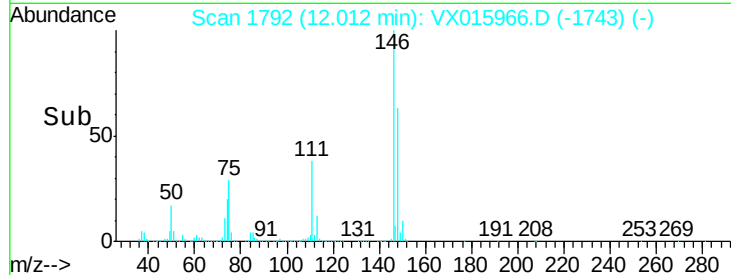
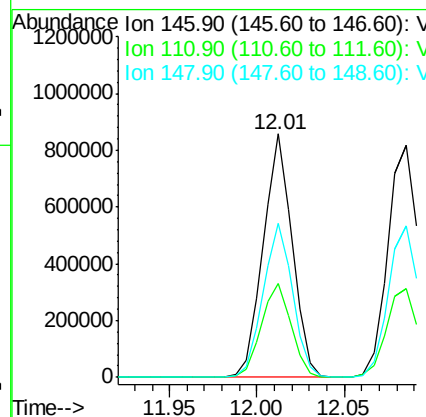
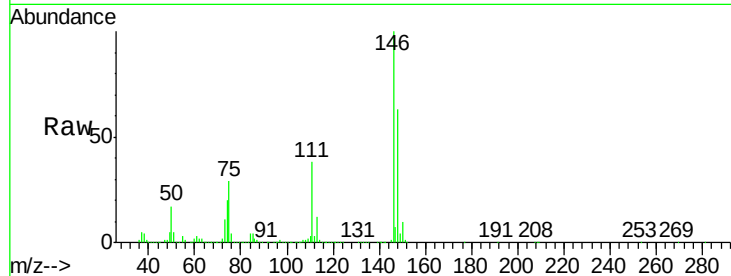
#87
 1,3-Dichlorobenzene
 Concen: 146.348 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX015966.D
 Acq: 28 Apr 2020 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.8
148	63.9	32.0	96.0

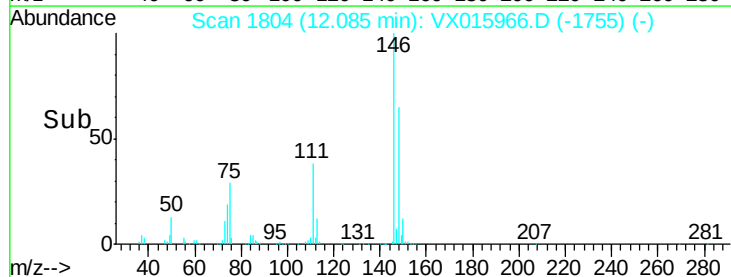
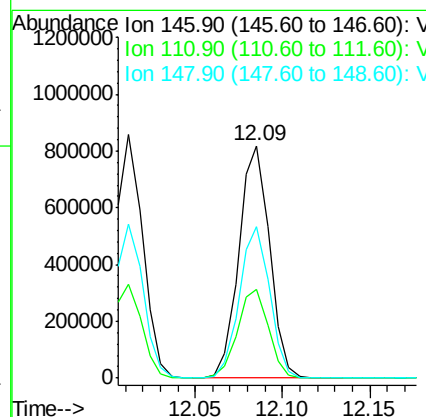
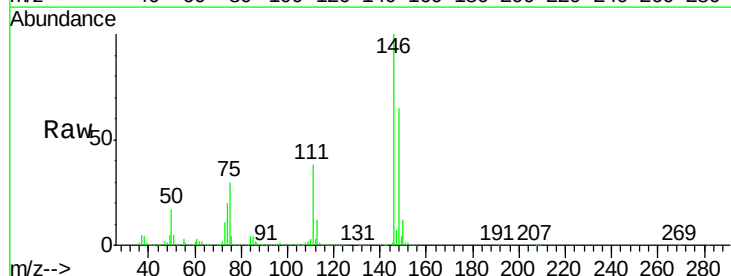
Manual Integrations
 APPROVED

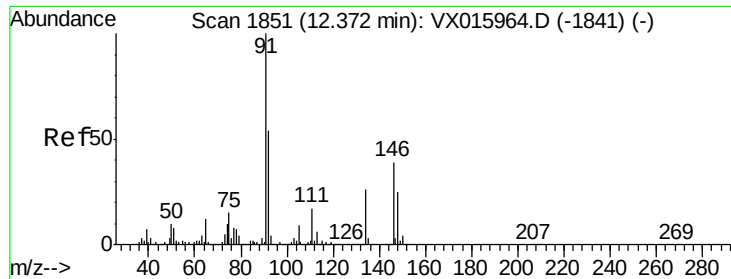
MMDadoda
 4/30/2020 3:00:00 PM



#88
 1,4-Dichlorobenzene
 Concen: 145.698 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VX015966.D
 Acq: 28 Apr 2020 16:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.0
148	64.6	32.8	98.4





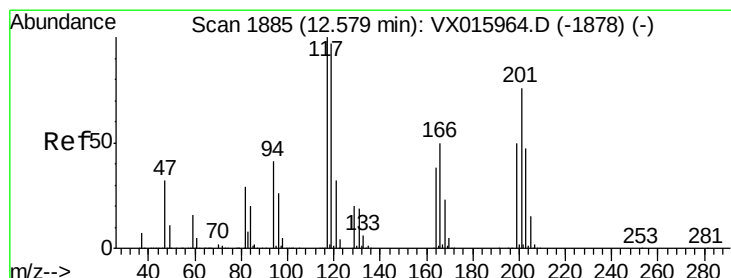
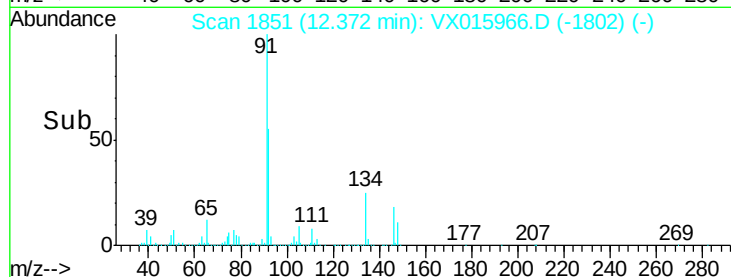
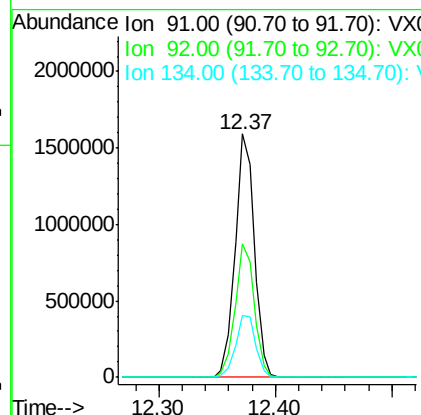
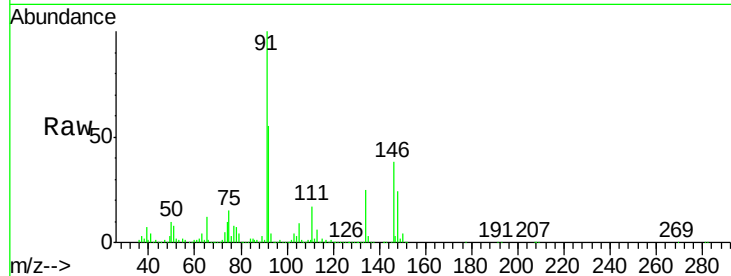
#89
n-Butylbenzene
Concen: 152.565 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1823718
Ion Ratio Lower Upper
91 100
92 54.4 27.1 81.3
134 26.7 13.3 39.8

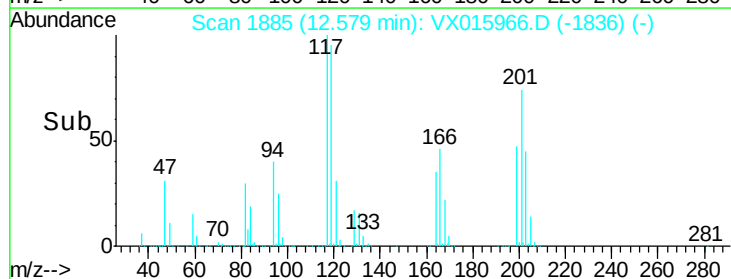
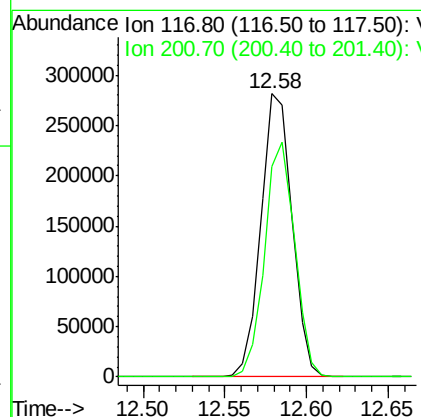
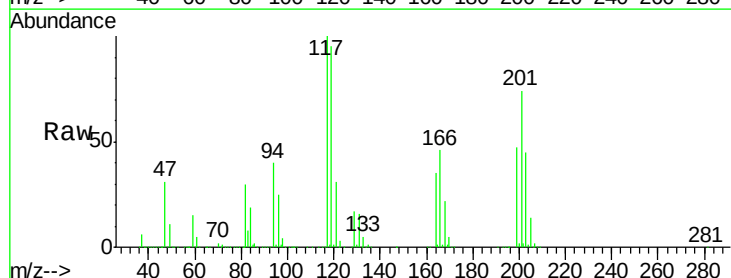
Manual Integrations
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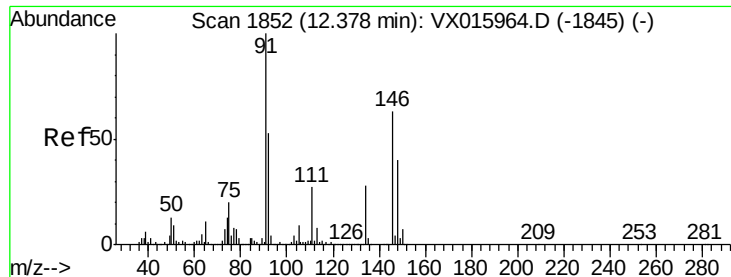
MMDadoda
4/30/2020 3:00:00 PM



#90
Hexachloroethane
Concen: 160.544 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Tgt Ion: 117 Resp: 375273
Ion Ratio Lower Upper
117 100
201 79.9 40.3 120.8





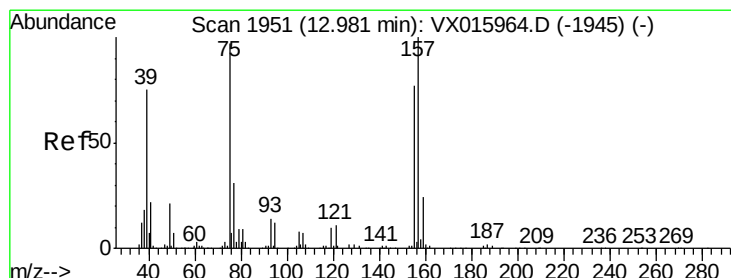
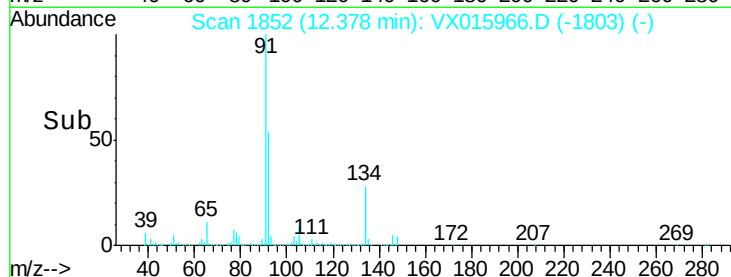
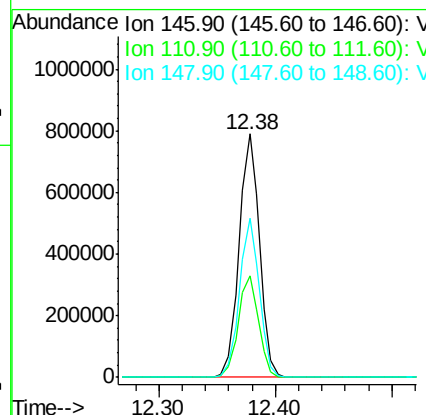
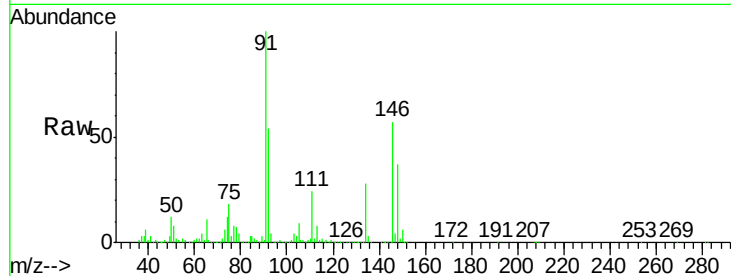
#91
 1,2-Dichlorobenzene
 Concen: 148.413 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX015966.D
 Acq: 28 Apr 2020 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	961511		
111	41.6	21.1	63.3	
148	63.9	32.3	96.9	

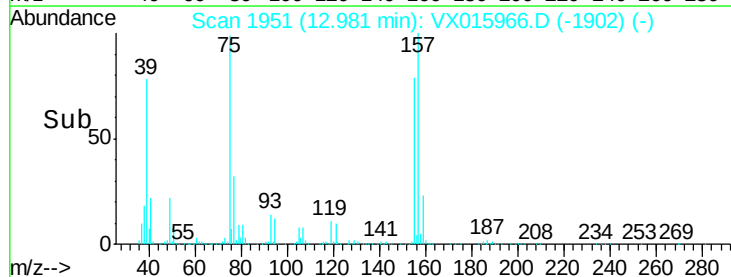
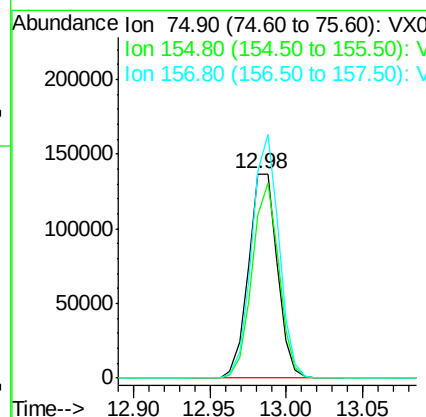
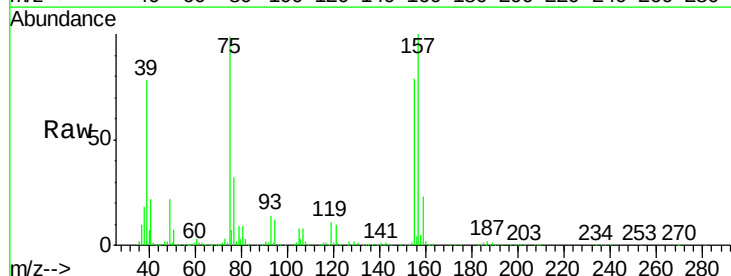
Manual Integrations
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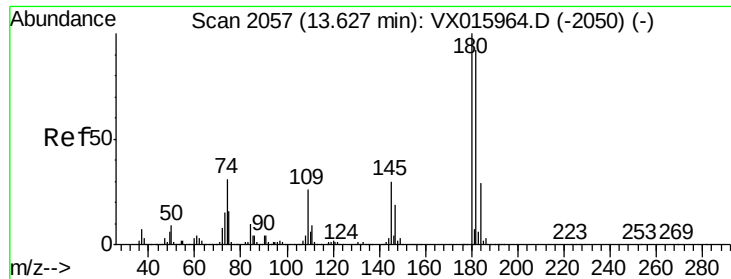
MMDadoda
 4/30/2020 3:00:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 149.732 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX015966.D
 Acq: 28 Apr 2020 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	178421		
155	89.0	42.5	127.6	
157	112.1	56.0	168.2	





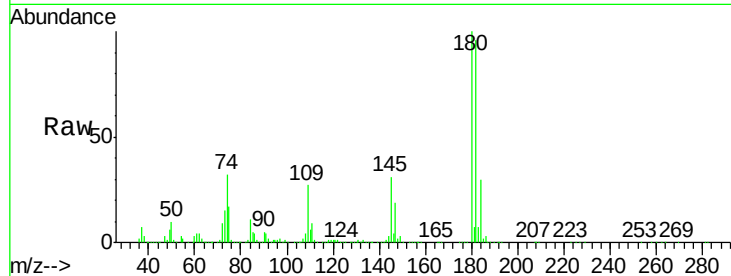
#93
1,2,4-Trichlorobenzene
Concen: 147.749 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

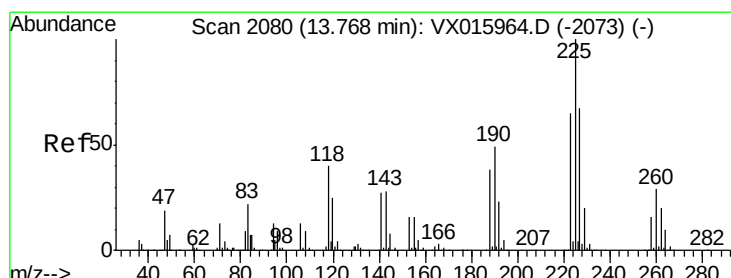
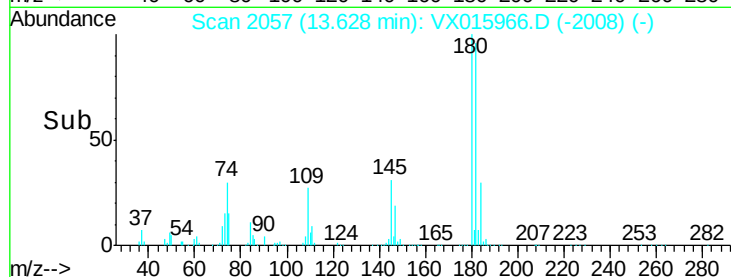
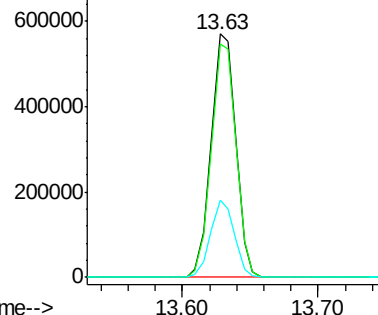
Tot Ion	Ratio	Resp	Lower	Upper
180	100	718453		
182	96.2	46.9	140.6	
145	30.6	14.7	44.1	

Manual Integrations
APPROVED

MMDadoda
4/30/2020 3:00:00 PM

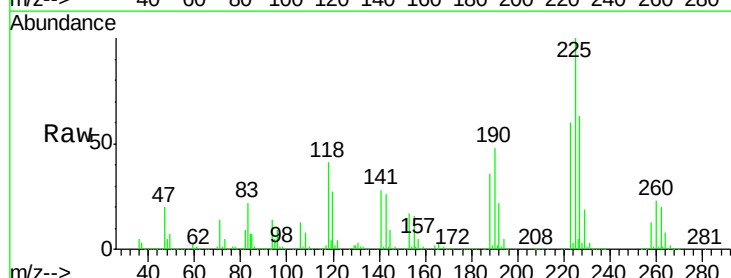


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

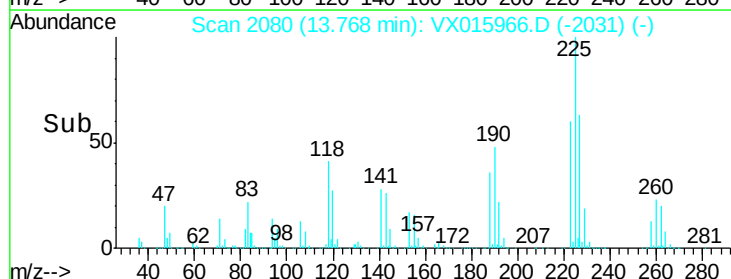
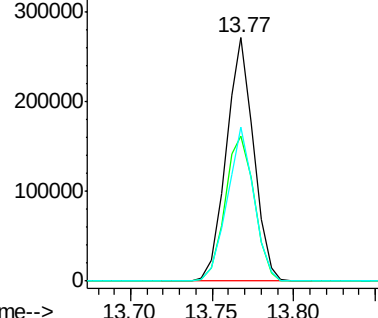


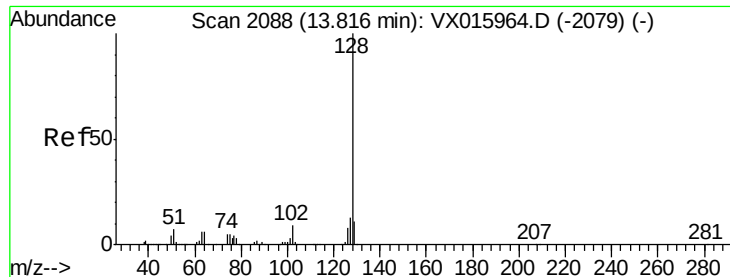
#94
Hexachlorobutadiene
Concen: 145.965 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX015966.D
Acq: 28 Apr 2020 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	317120		
223	63.7	32.0	96.0	
227	62.1	33.0	99.0	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 151.222 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 2319237

Ion Ratio Lower Upper

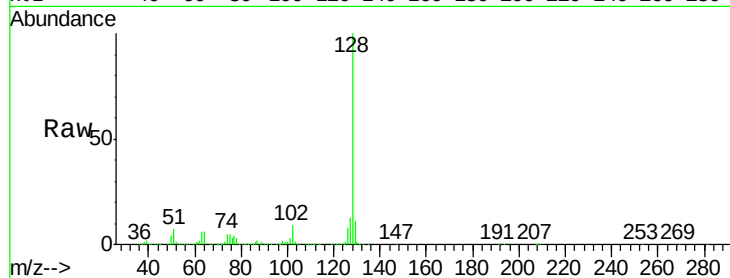
128 100

127 13.1 10.4 15.6

129 11.1 8.7 13.1

Manual Integrations
APPROVED

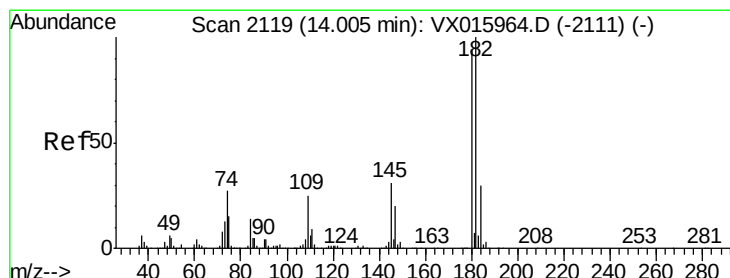
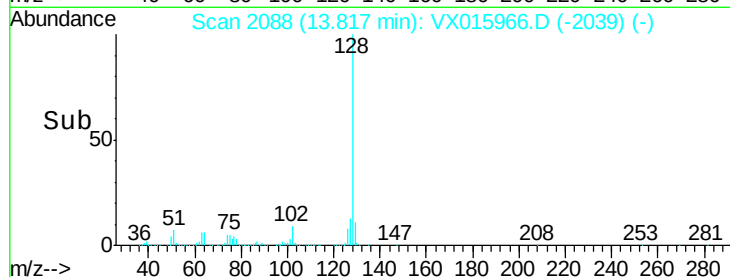
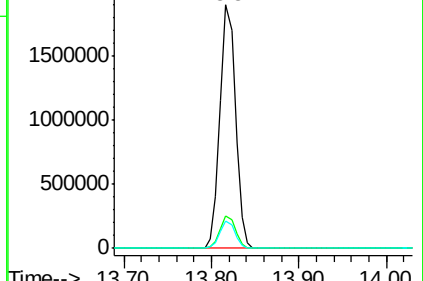
MMDadoda
4/30/2020 3:00:00 PM



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: 149.494 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VX015966.D

Acq: 28 Apr 2020 16:54

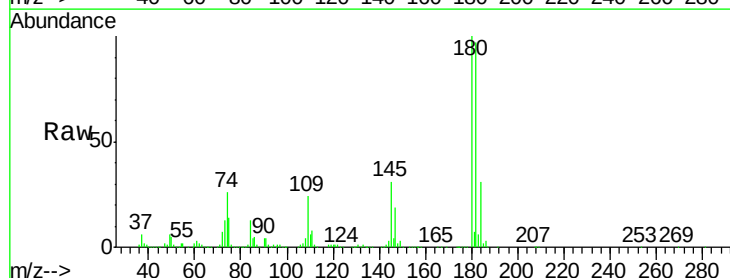
Tgt Ion:180 Resp: 699965

Ion Ratio Lower Upper

180 100

182 95.0 48.7 146.1

145 31.5 16.1 48.3



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

