

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100621\
 Data File : VX024616.D
 Acq On : 06 Oct 2021 14:00
 Operator : JC/MD
 Sample : M4042-03
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 06 15:23:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

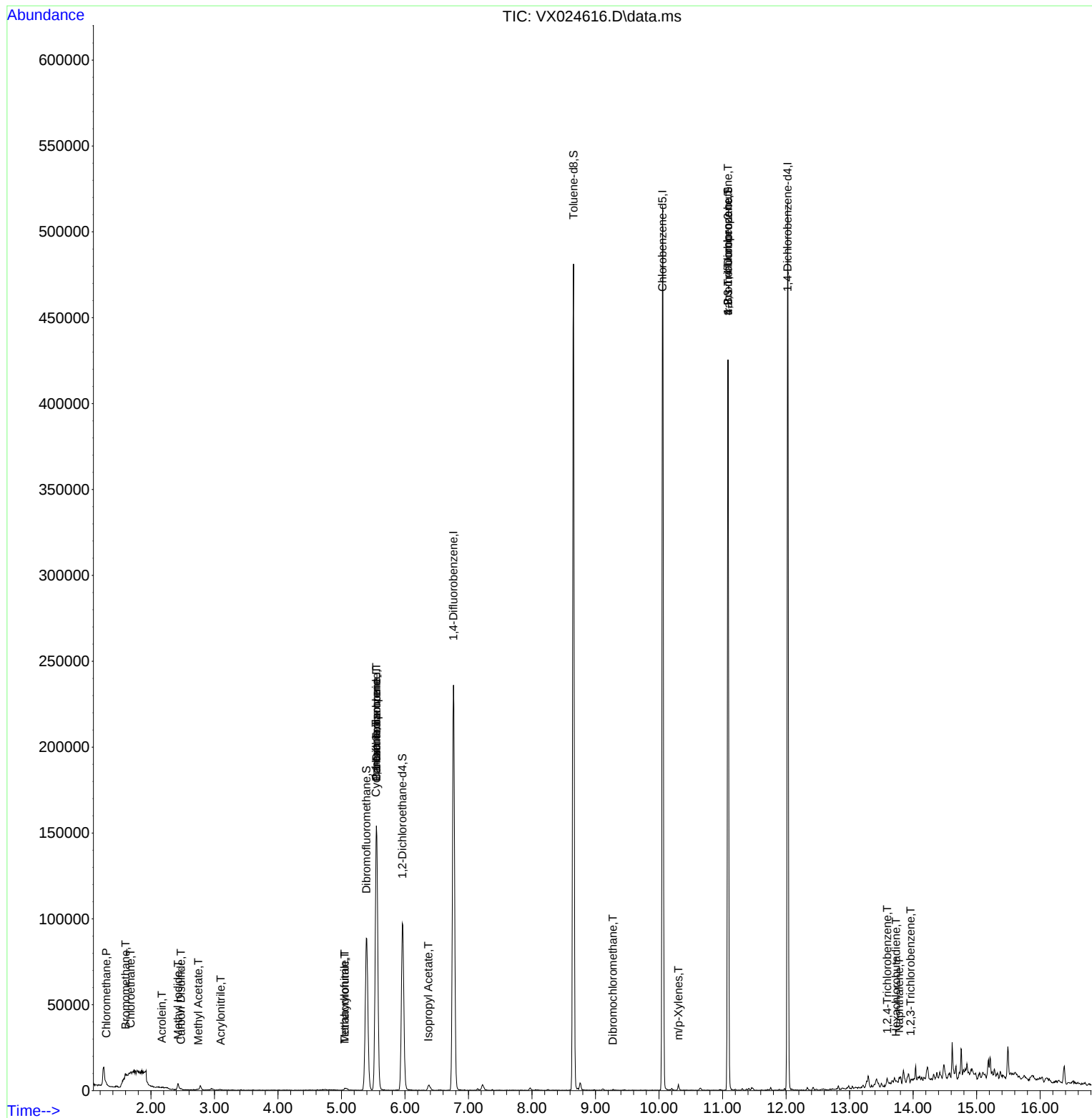
Internal Standards						
1) Pentafluorobenzene	5.550	168	149996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	241453	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	247764	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	99742	47.181	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.360%		
35) Dibromofluoromethane	5.391	113	78806	49.130	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.260%		
50) Toluene-d8	8.653	98	288625	48.889	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.780%		
62) 4-Bromofluorobenzene	11.085	95	117669	50.693	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.380%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	311	0.219	ug/l	98
5) Bromomethane	1.599	94	879	0.878	ug/l	85
6) Chloroethane	1.678	64	79	0.338	ug/l #	86
10) Methyl Iodide	2.428	142	3303	1.594	ug/l	94
11) Tert butyl alcohol	2.947	59	397	Below Cal	#	73
13) Acrolein	2.172	56	19	10.217	ug/l #	14
15) Acrylonitrile	3.099	53	258	0.269	ug/l #	47
16) Acetone	2.434	43	459	Below Cal	#	40
17) Carbon Disulfide	2.471	76	826	0.460	ug/l	96
18) Methyl Acetate	2.745	43	827	0.261	ug/l #	57
20) Methylene Chloride	2.782	84	1079	Below Cal	#	97
29) Tetrahydrofuran	5.050	42	821	0.885	ug/l #	78
31) Cyclohexane	5.544	56	2738	1.082	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11020	4.761	ug/l #	49
38) Carbon Tetrachloride	5.550	117	14873	5.903	ug/l #	17
41) Methacrylonitrile	5.050	41	366	0.245	ug/l #	21
43) Isopropyl Acetate	6.367	43	1815	0.413	ug/l #	57
60) Dibromochloromethane	9.275	129	45	1.209	ug/l #	11
68) m/p-Xylenes	10.305	106	909	0.259	ug/l	95
76) 1,2,3-Trichloropropane	11.085	75	58438	23.608	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	58438	64.485	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.591	180	480	0.202	ug/l #	60
94) Hexachlorobutadiene	13.731	225	241	0.222	ug/l	87
95) Naphthalene	13.780	128	2479	0.326	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	550	0.226	ug/l #	53

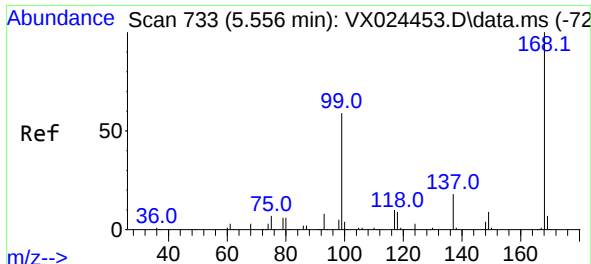
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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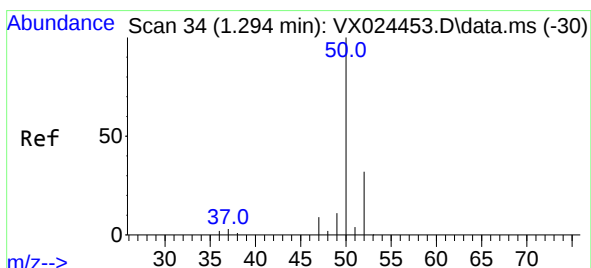
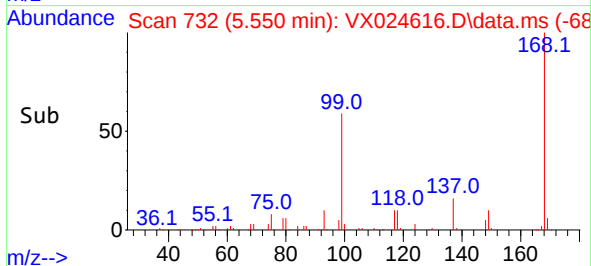
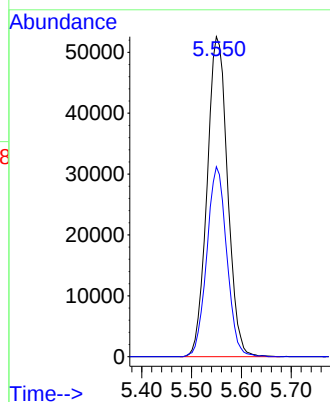
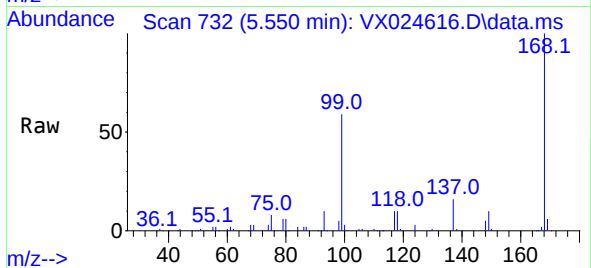




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.006 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

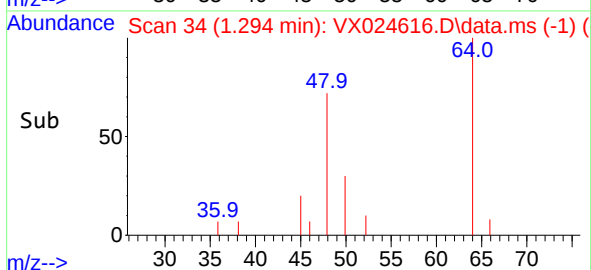
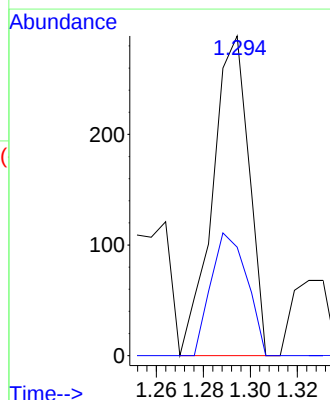
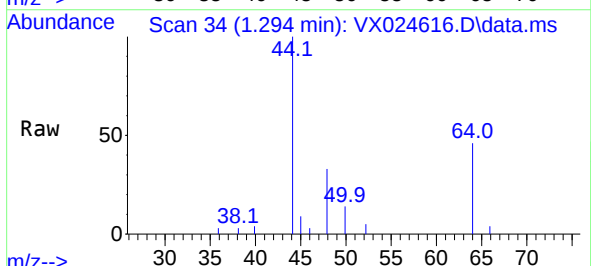
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 149996
Ion Ratio Lower Upper
168 100
99 59.4 45.8 68.6

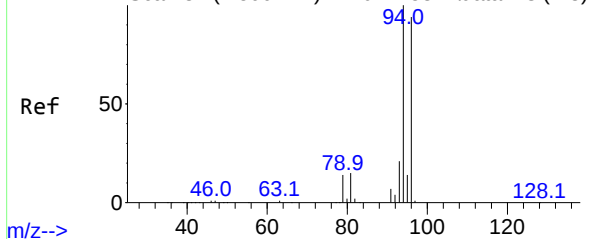


#3
Chloromethane
Concen: 0.219 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

Tgt Ion: 50 Resp: 311
Ion Ratio Lower Upper
50 100
52 33.9 26.4 39.6



Abundance Scan 84 (1.599 min): VX024453.D\data.ms (-78)

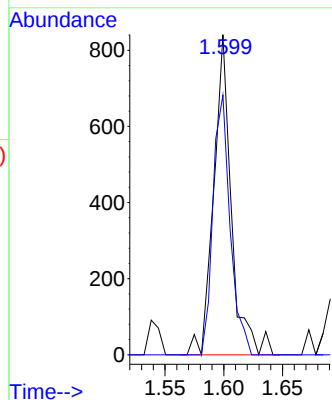
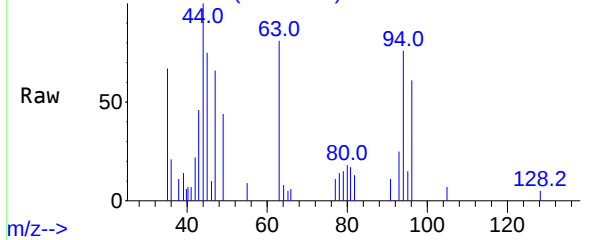


#5
Bromomethane
Concen: 0.878 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

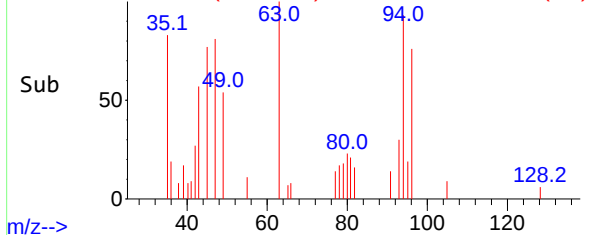
Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 94 Resp: 879
Ion Ratio Lower Upper
94 100
96 81.1 76.4 114.6

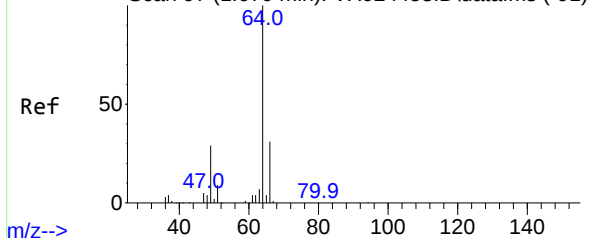
Abundance Scan 84 (1.599 min): VX024616.D\data.ms



Abundance Scan 84 (1.599 min): VX024616.D\data.ms (-35)



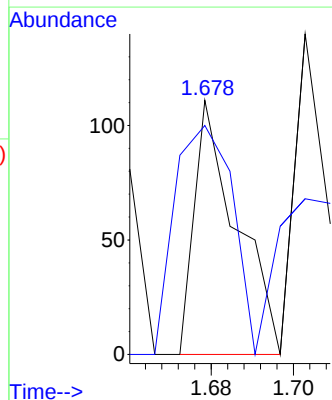
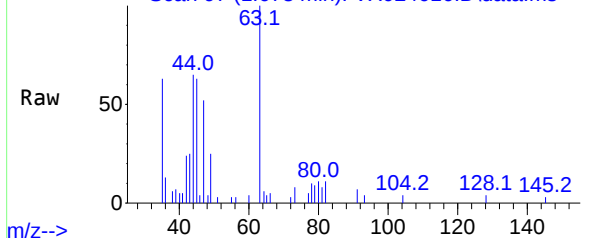
Abundance Scan 97 (1.679 min): VX024453.D\data.ms (-91)



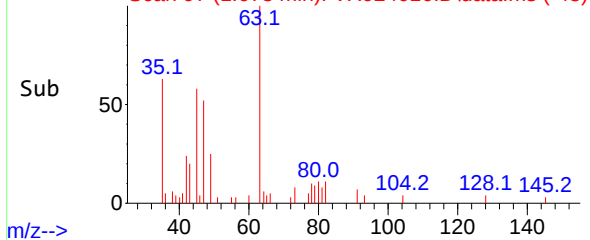
#6
Chloroethane
Concen: 0.338 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.001 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

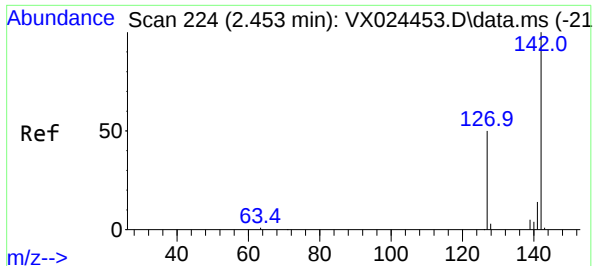
Tgt Ion: 64 Resp: 79
Ion Ratio Lower Upper
64 100
66 39.6 25.4 38.0#

Abundance Scan 97 (1.678 min): VX024616.D\data.ms



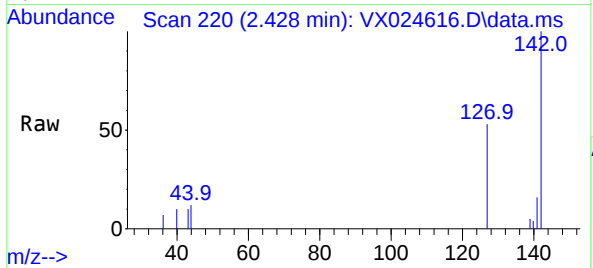
Abundance Scan 97 (1.678 min): VX024616.D\data.ms (-48)



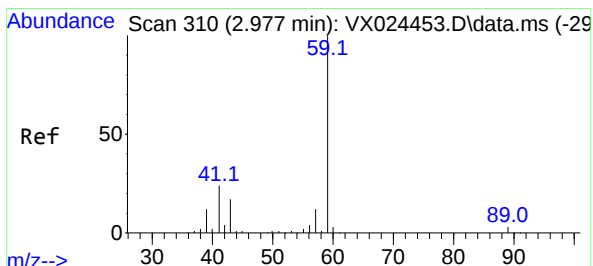
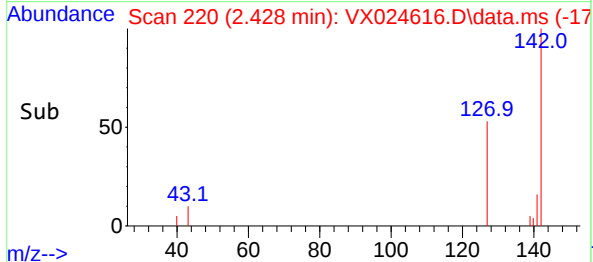
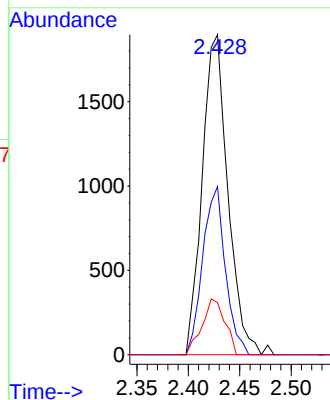


#10
Methyl Iodide
Concen: 1.594 ug/l
RT: 2.428 min Scan# 220
Delta R.T. -0.025 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

Instrument :
MSVOA_X
ClientSampled :

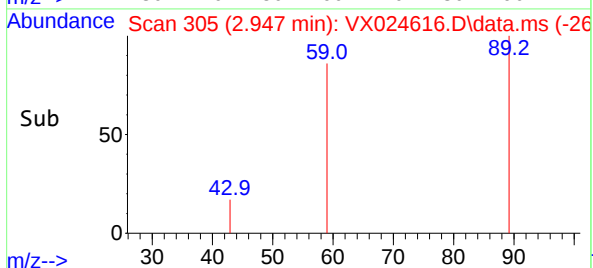
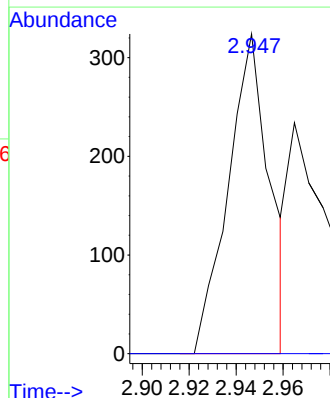
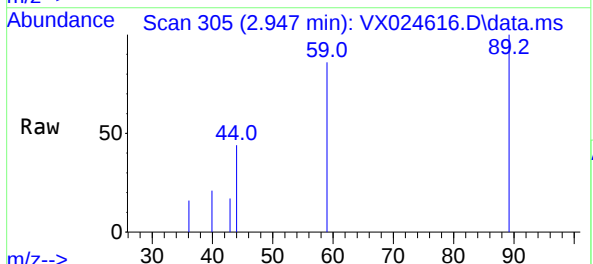


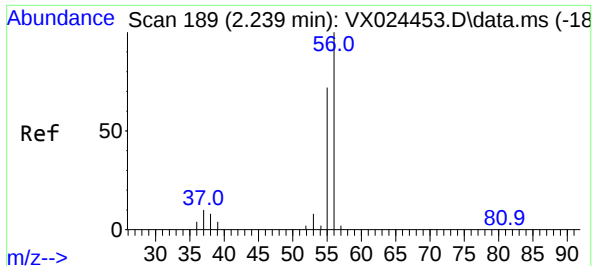
Tgt Ion:142 Resp: 3303
Ion Ratio Lower Upper
142 100
127 46.1 33.3 49.9
141 15.5 11.4 17.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

Tgt Ion: 59 Resp: 397
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

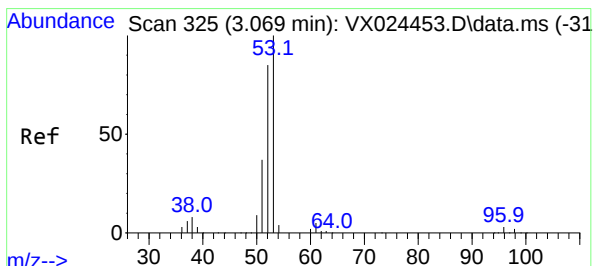
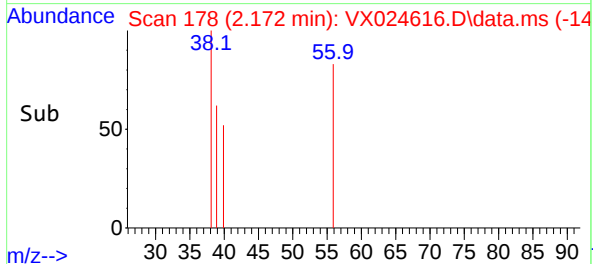
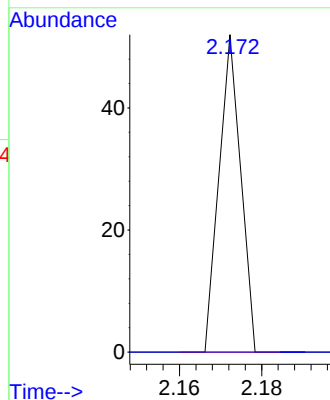
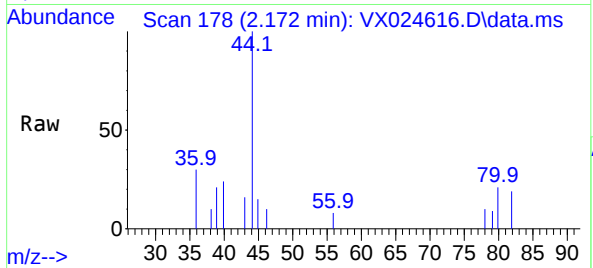




#13
Acrolein
Concen: 10.217 ug/l
RT: 2.172 min Scan# 178
Delta R.T. -0.067 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

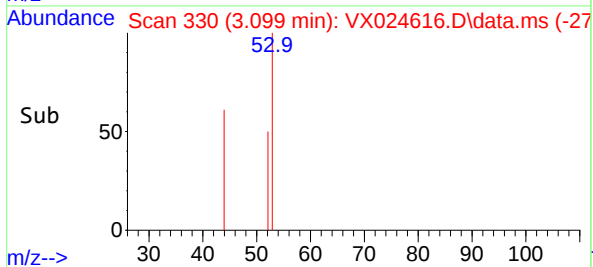
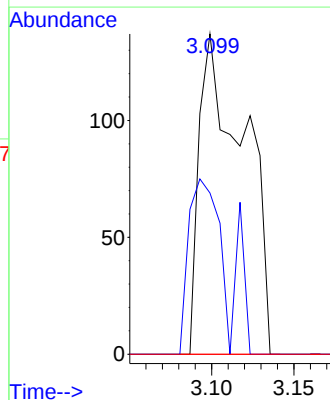
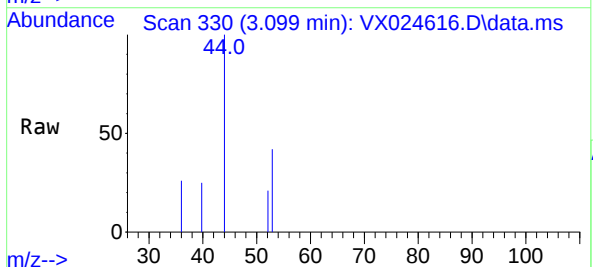
Instrument :
MSVOA_X
ClientSampled :

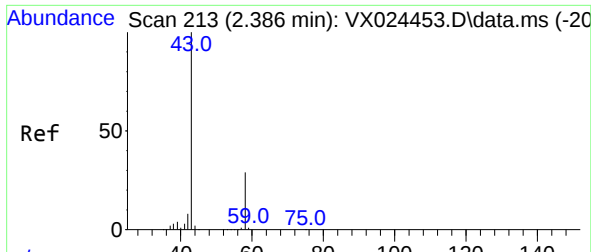
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#15
Acrylonitrile
Concen: 0.269 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.030 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

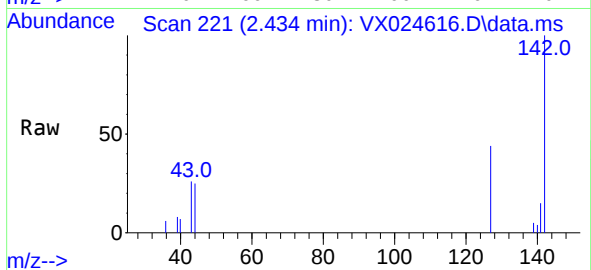
Tgt Ion: 53 Resp: 258
Ion Ratio Lower Upper
53 100
52 37.2 65.3 97.9#
51 0.0 28.2 42.2#



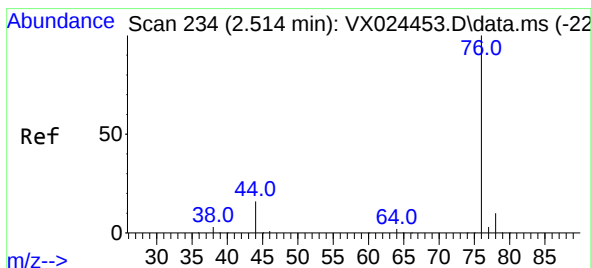
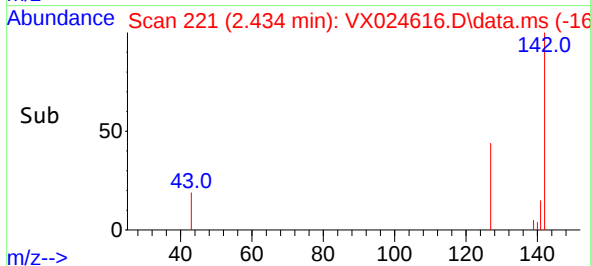
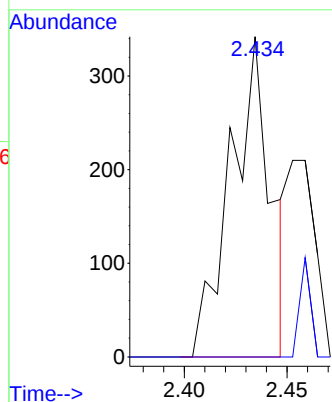


#16
Acetone
Concen: Below Cal
RT: 2.434 min Scan# 221
Delta R.T. 0.048 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

Instrument :
MSVOA_X
ClientSampleId :

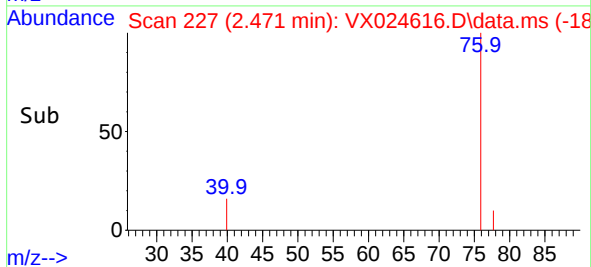
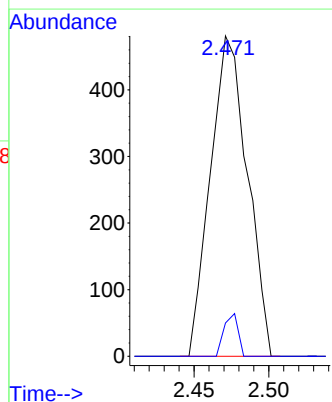
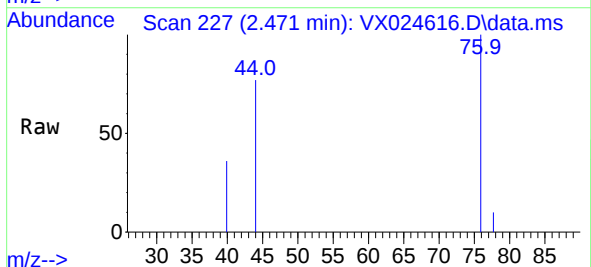


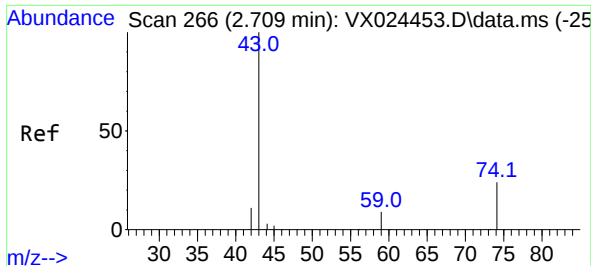
Tgt Ion: 43 Resp: 459
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.460 ug/l
RT: 2.471 min Scan# 227
Delta R.T. -0.043 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

Tgt Ion: 76 Resp: 826
Ion Ratio Lower Upper
76 100
78 10.4 7.2 10.8





#18

Methyl Acetate

Concen: 0.261 ug/l

RT: 2.745 min Scan# 272

Delta R.T. 0.036 min

Lab File: VX024616.D

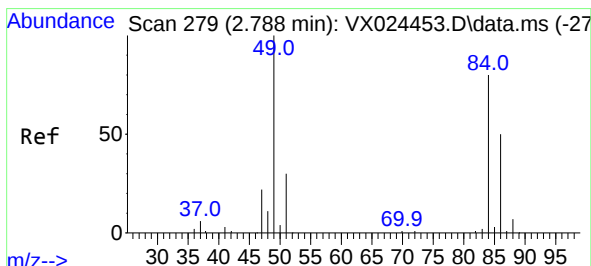
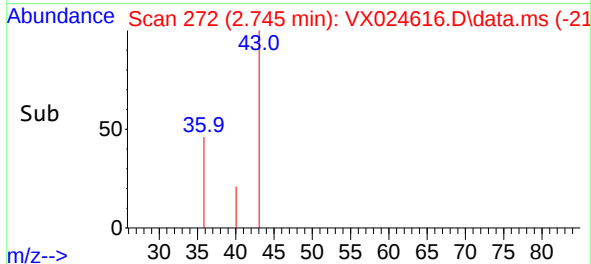
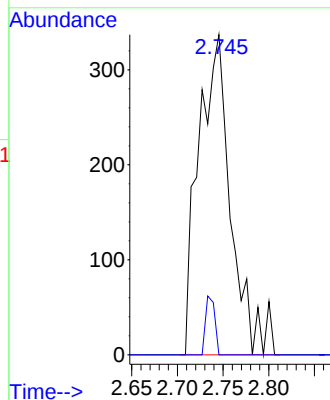
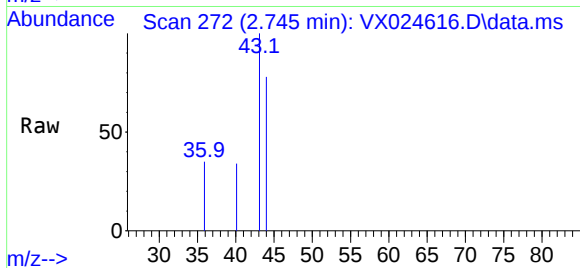
Acq: 06 Oct 2021 14:00

Tgt Ion: 43 Resp: 827

Ion Ratio Lower Upper

43 100

74 5.2 21.9 32.9#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX024616.D

Acq: 06 Oct 2021 14:00

Tgt Ion: 84 Resp: 1079

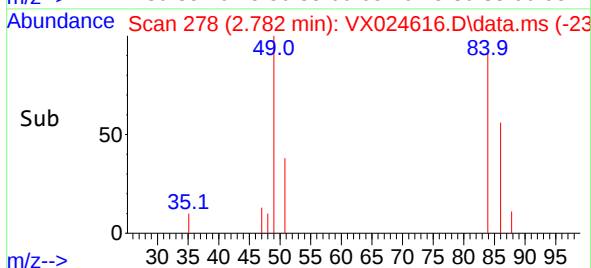
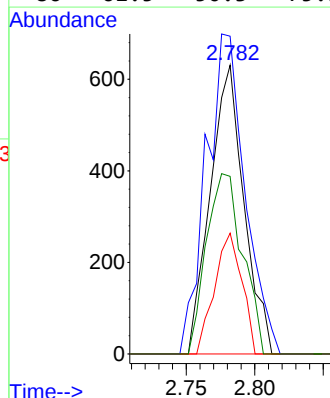
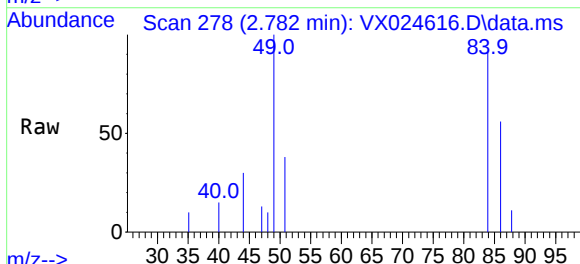
Ion Ratio Lower Upper

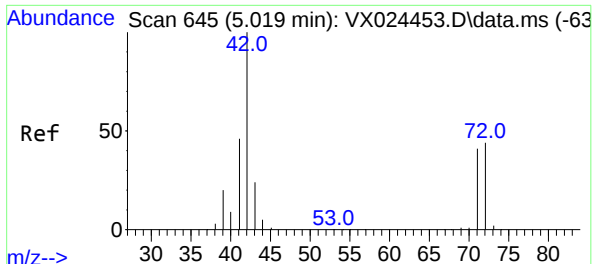
84 100

49 110.0 88.6 132.8

51 41.8 27.0 40.6#

86 61.5 50.3 75.5





#29

Tetrahydrofuran

Concen: 0.885 ug/l

RT: 5.050 min Scan# 650

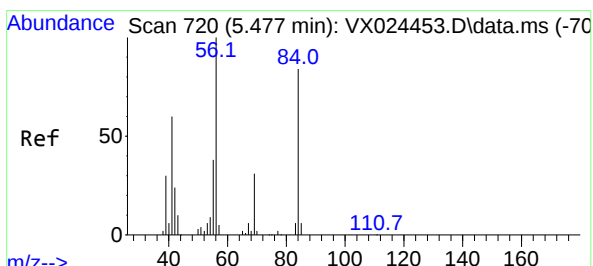
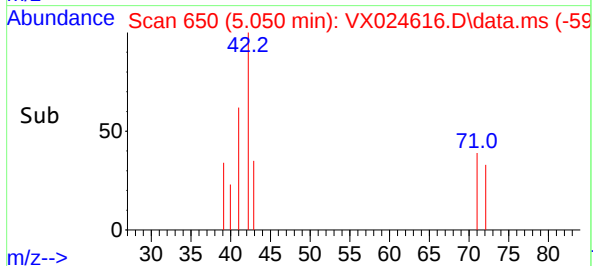
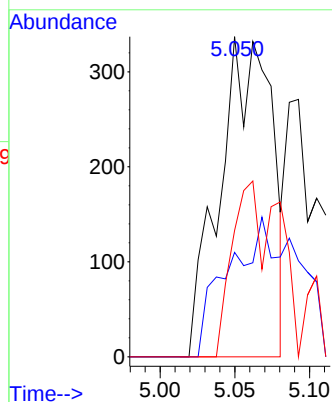
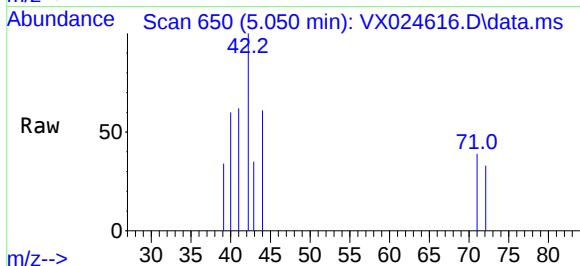
Delta R.T. 0.031 min

Lab File: VX024616.D

Acq: 06 Oct 2021 14:00

Tgt Ion:	42	Resp:	821
Ion	Ratio	Lower	Upper
42	100		
72	40.1	41.7	62.5#
71	29.5	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.082 ug/l

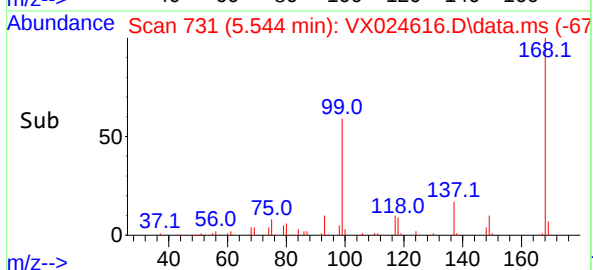
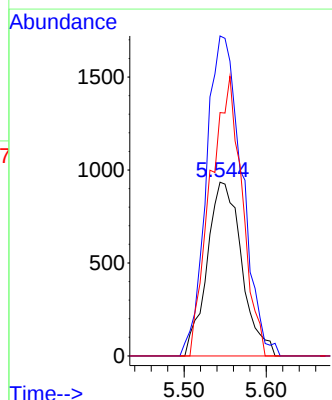
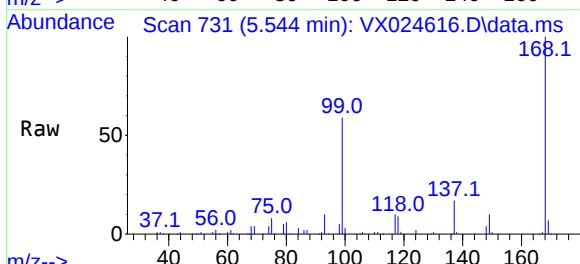
RT: 5.544 min Scan# 731

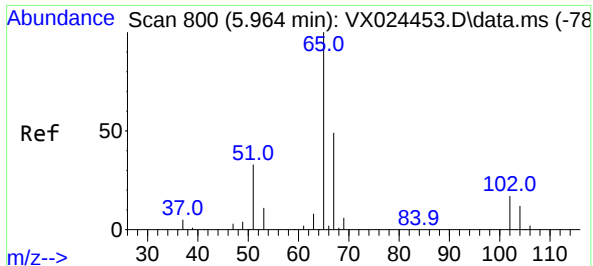
Delta R.T. 0.067 min

Lab File: VX024616.D

Acq: 06 Oct 2021 14:00

Tgt Ion:	56	Resp:	2738
Ion	Ratio	Lower	Upper
56	100		
69	184.3	25.3	37.9#
84	140.1	71.4	107.0#



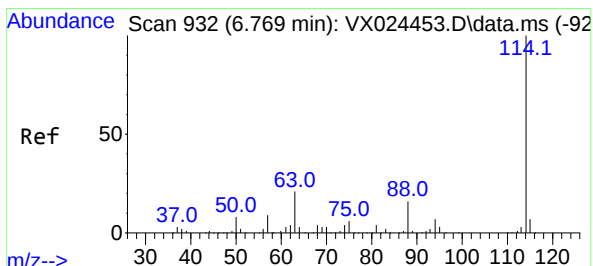
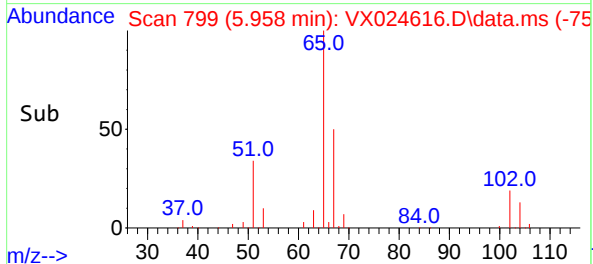
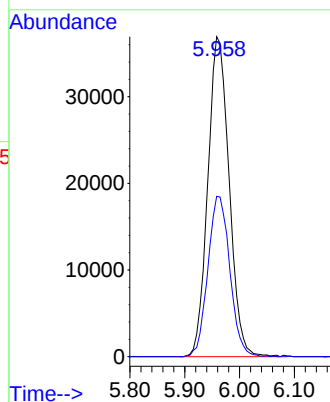
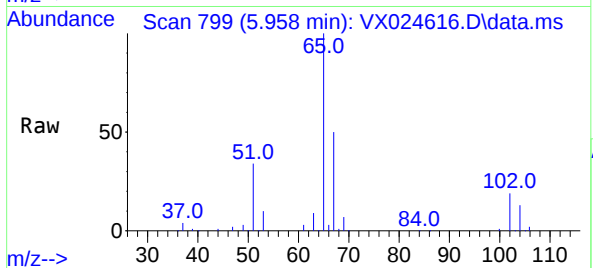


#33

1,2-Dichloroethane-d4
Concen: 47.181 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

Instrument :
MSVOA_X
ClientSampled :

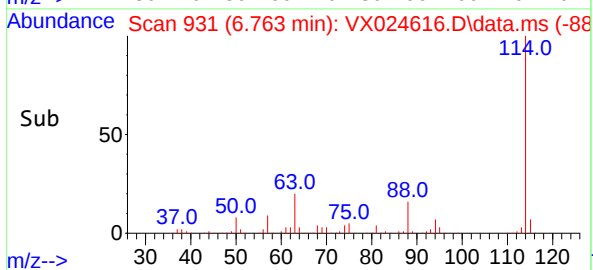
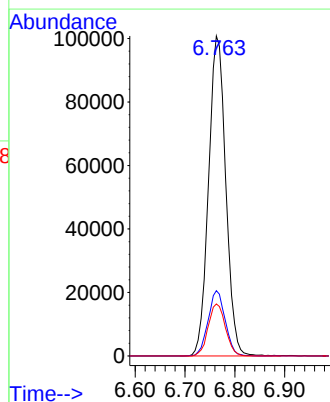
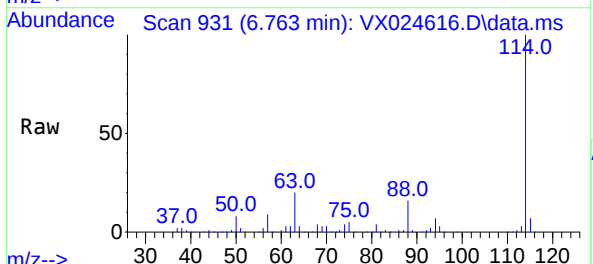
Tgt Ion: 65 Resp: 99742
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.4

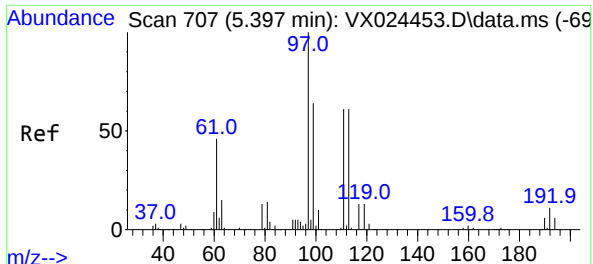


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

Tgt Ion: 114 Resp: 241453
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.130 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX024616.D

Acq: 06 Oct 2021 14:00

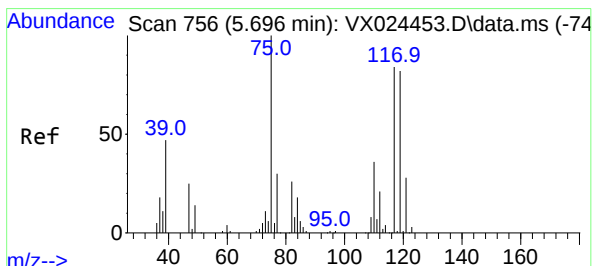
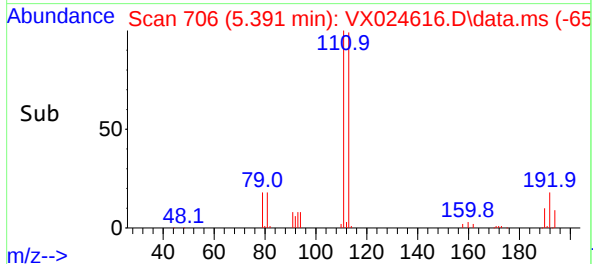
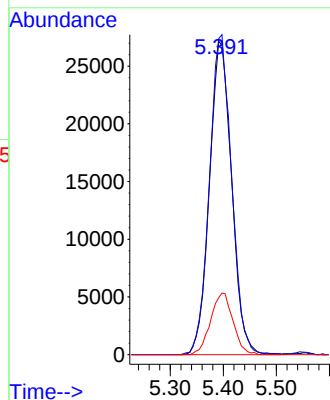
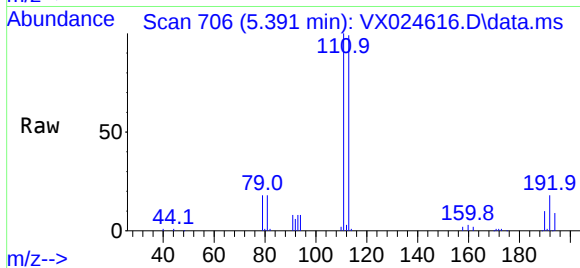
Tgt Ion:113 Resp: 78806

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

192 19.9 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.761 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX024616.D

Acq: 06 Oct 2021 14:00

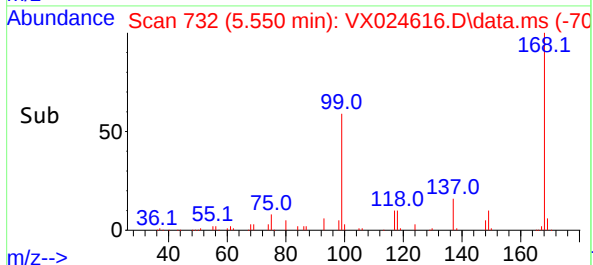
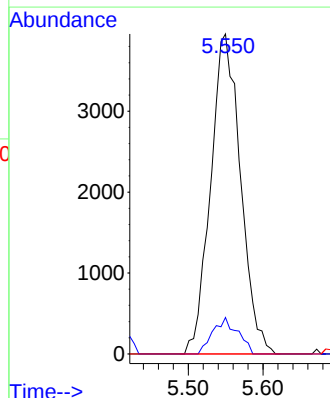
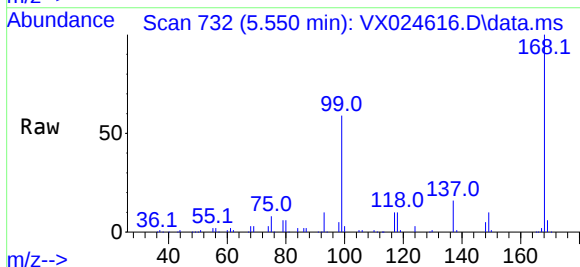
Tgt Ion: 75 Resp: 11020

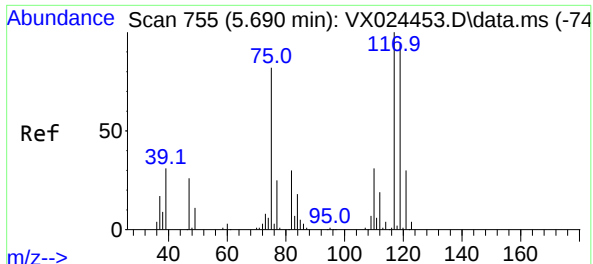
Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.4#

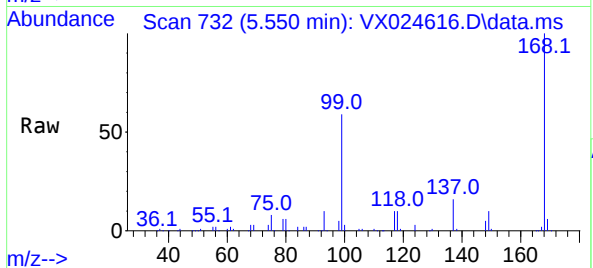
77 0.0 25.3 37.9#



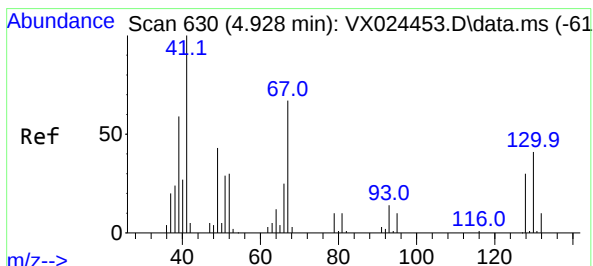
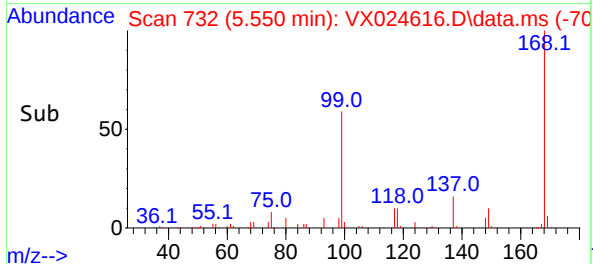
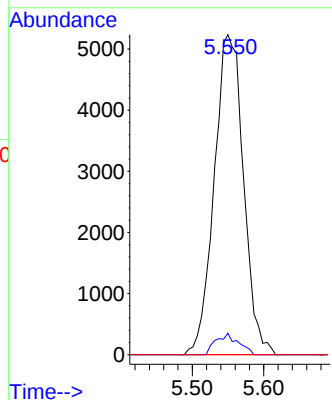


#38
Carbon Tetrachloride
Concen: 5.903 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

Instrument :
MSVOA_X
ClientSampled :

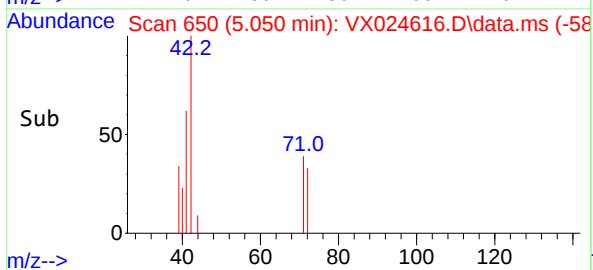
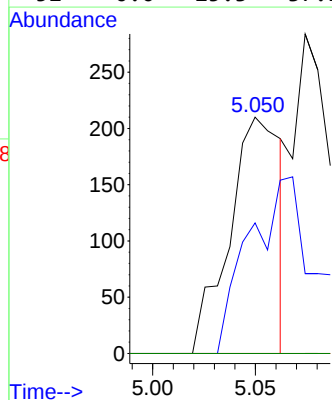
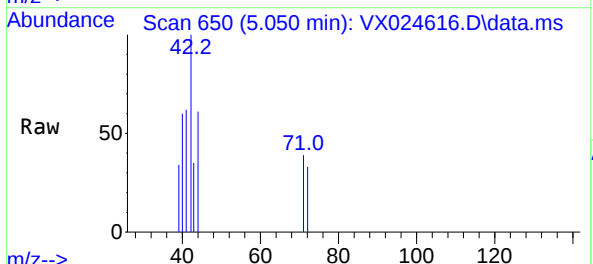


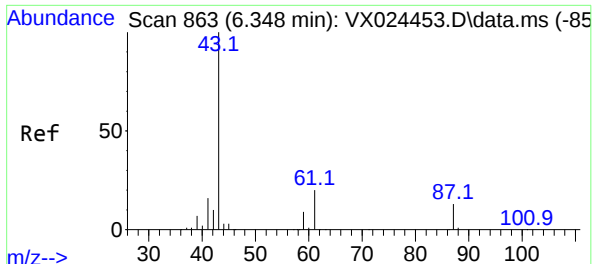
Tgt Ion:117 Resp: 14873
Ion Ratio Lower Upper
117 100
119 6.7 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.245 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.122 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

Tgt Ion: 41 Resp: 366
Ion Ratio Lower Upper
41 100
39 0.0 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

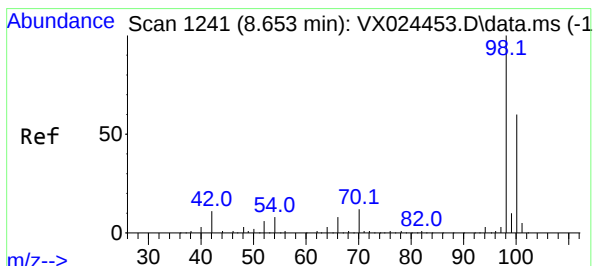
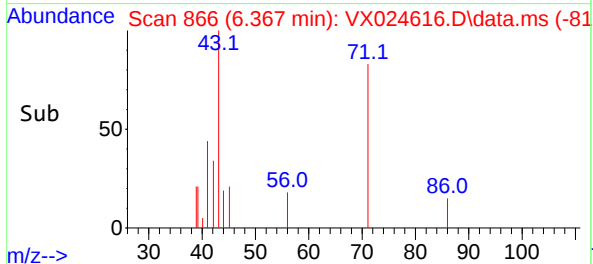
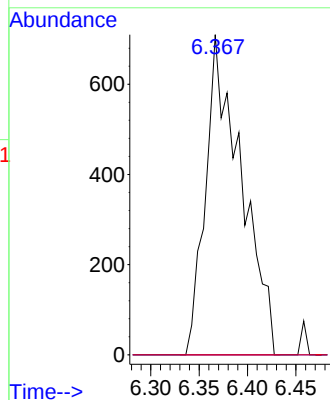
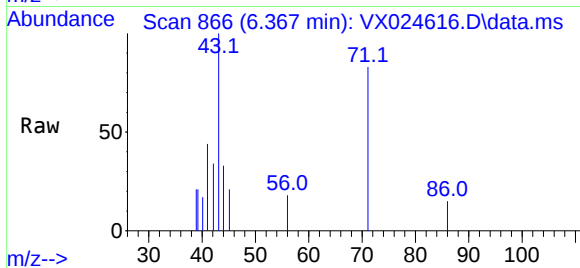




#43
Isopropyl Acetate
Concen: 0.413 ug/l
RT: 6.367 min Scan# 866
Delta R.T. 0.019 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

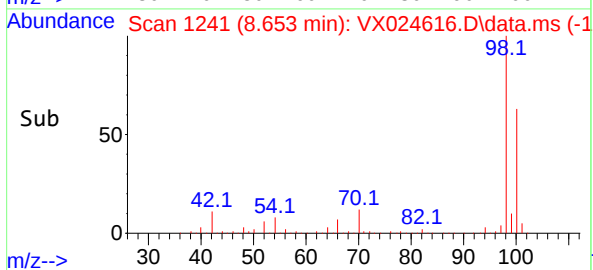
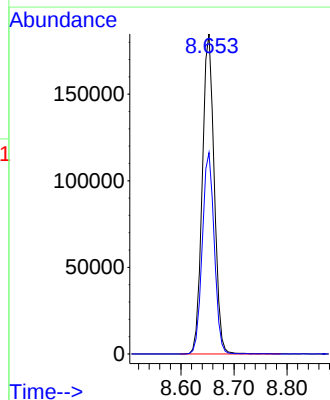
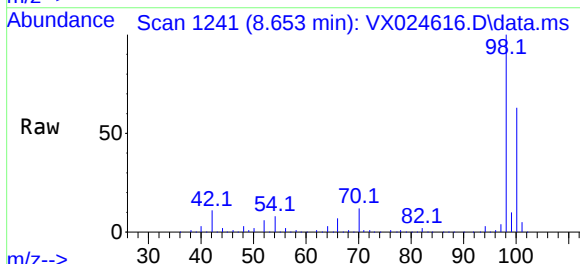
Instrument :
MSVOA_X
ClientSampled :

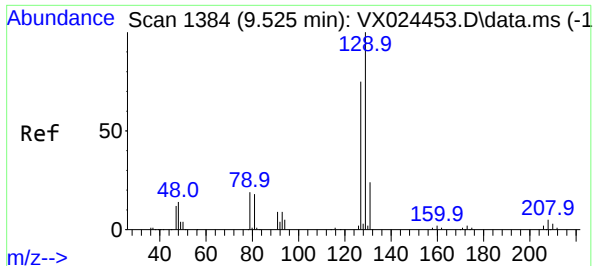
Tgt Ion: 43 Resp: 1815
Ion Ratio Lower Upper
43 100
61 0.0 18.2 27.4#
87 0.0 12.5 18.7#



#50
Toluene-d8
Concen: 48.889 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

Tgt Ion: 98 Resp: 288625
Ion Ratio Lower Upper
98 100
100 63.1 51.9 77.9

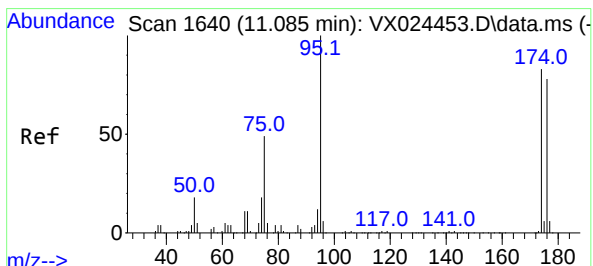
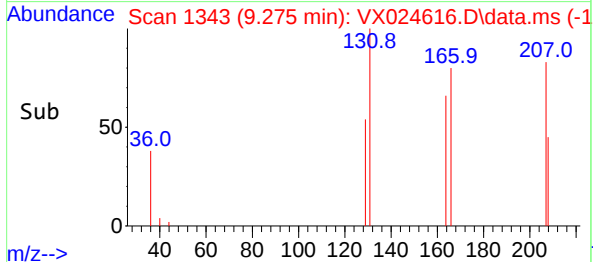
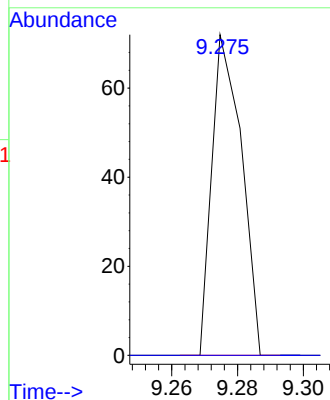
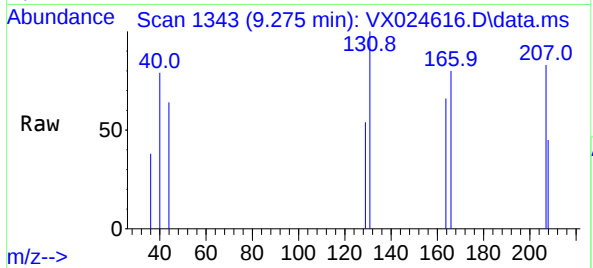




#60
Dibromochloromethane
Concen: 1.209 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

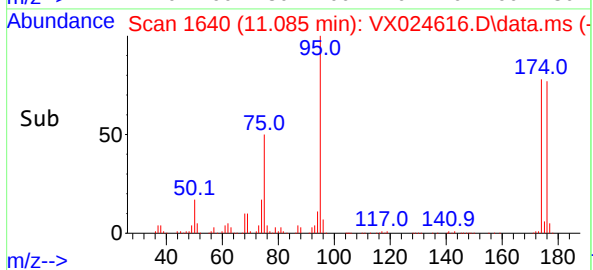
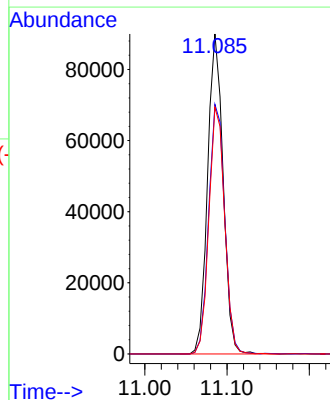
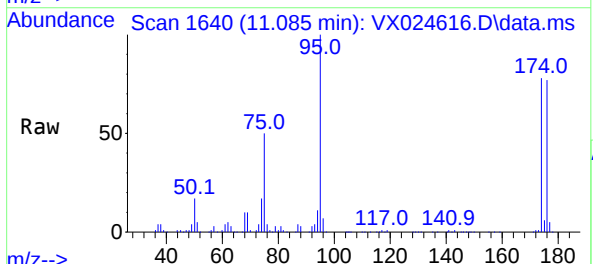
Instrument :
MSVOA_X
ClientSampled :

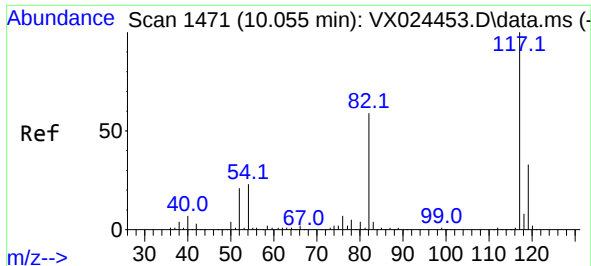
Tgt Ion:129 Resp: 45
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 50.693 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

Tgt Ion: 95 Resp: 117669
Ion Ratio Lower Upper
95 100
174 80.6 0.0 154.6
176 78.6 0.0 155.8

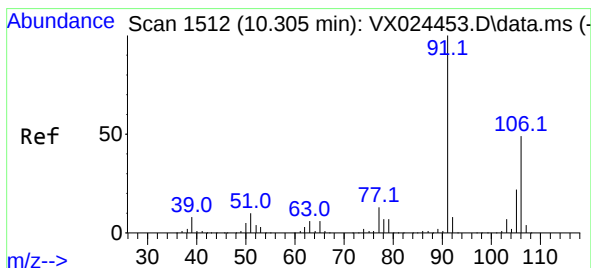
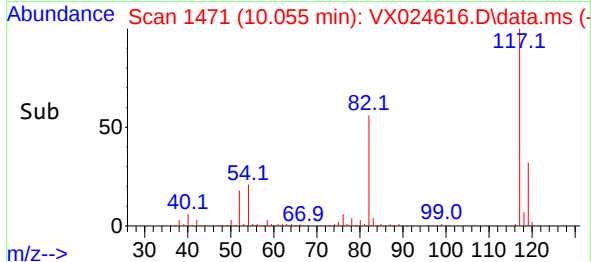
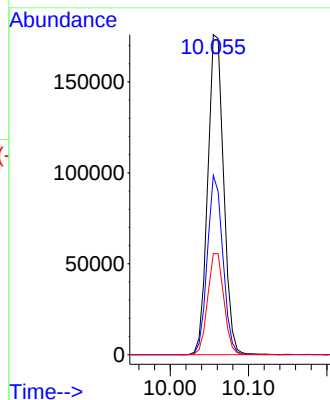
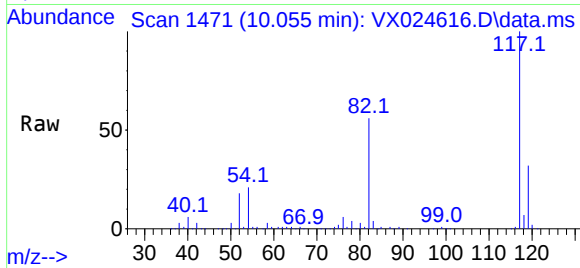




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

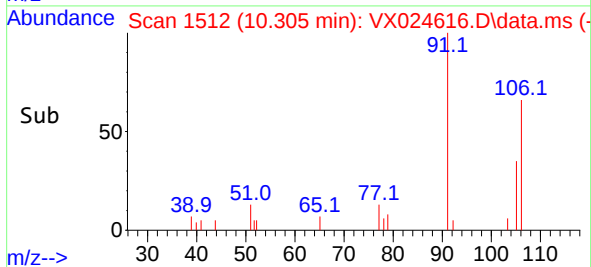
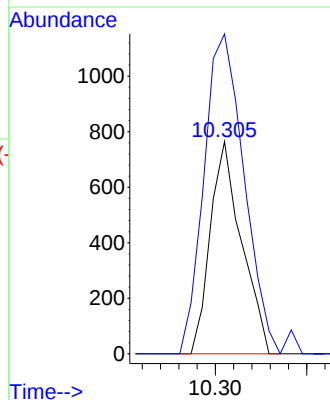
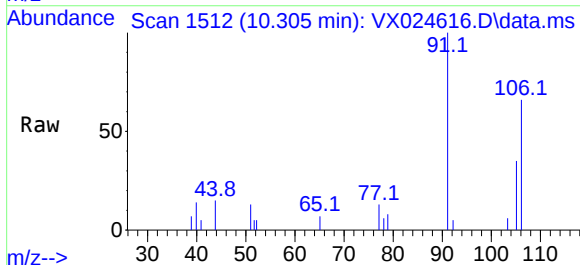
Instrument :
MSVOA_X
ClientSampled :

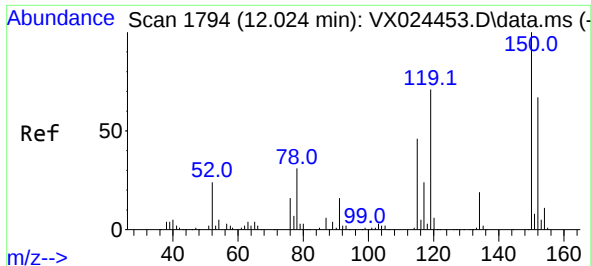
Tgt Ion:117 Resp: 247764
Ion Ratio Lower Upper
117 100
82 56.1 47.4 71.2
119 31.6 26.6 39.8



#68
m/p-Xylenes
Concen: 0.259 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

Tgt Ion:106 Resp: 909
Ion Ratio Lower Upper
106 100
91 196.4 162.8 244.2

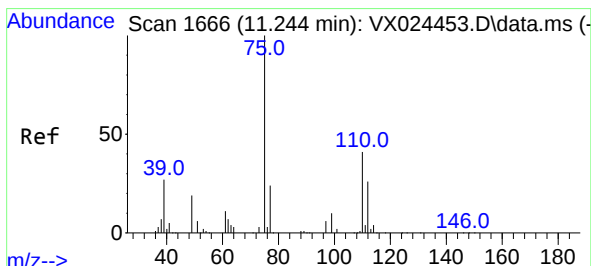
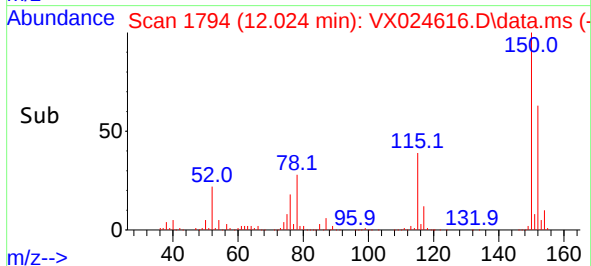
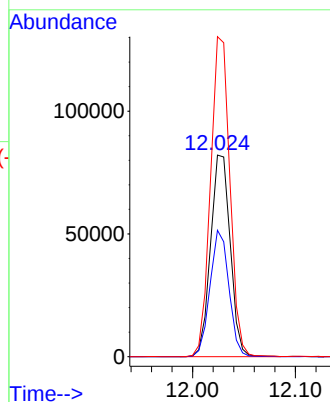
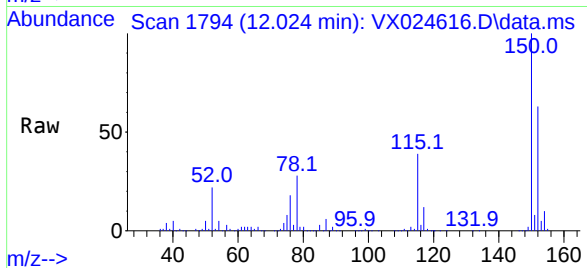




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

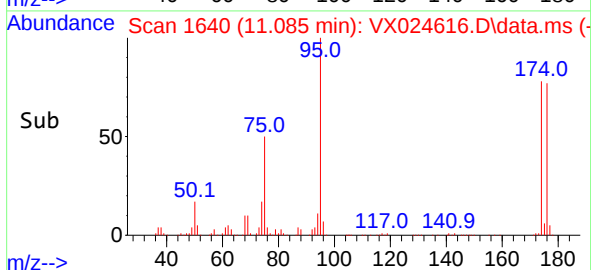
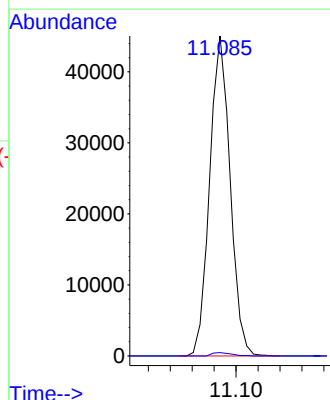
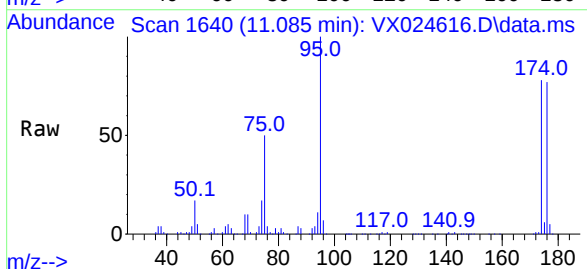
Instrument :
MSVOA_X
ClientSampled :

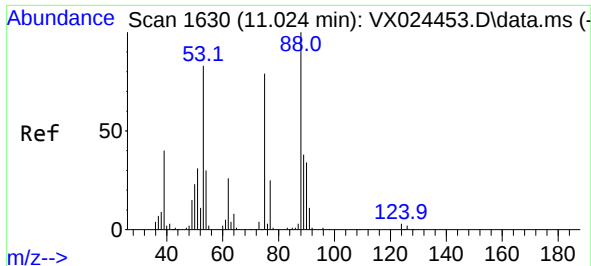
Tgt Ion:152 Resp: 109003
Ion Ratio Lower Upper
152 100
115 60.3 41.1 123.3
150 156.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 23.608 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

Tgt Ion: 75 Resp: 58438
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#

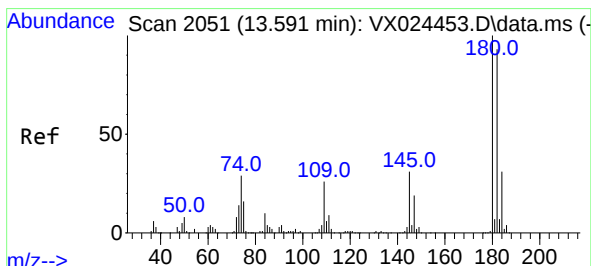
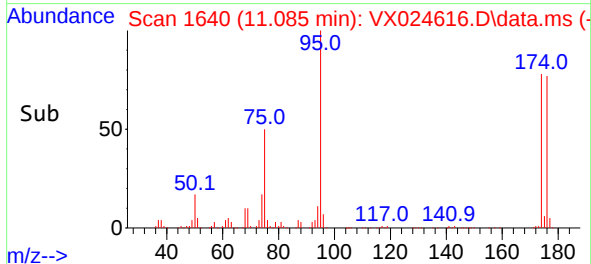
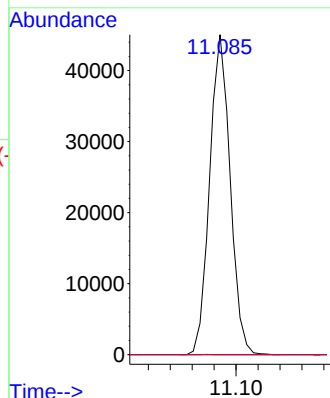
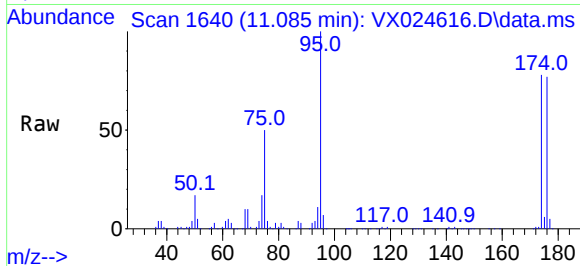




#81
trans-1,4-Dichloro-2-butene
Concen: 64.485 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

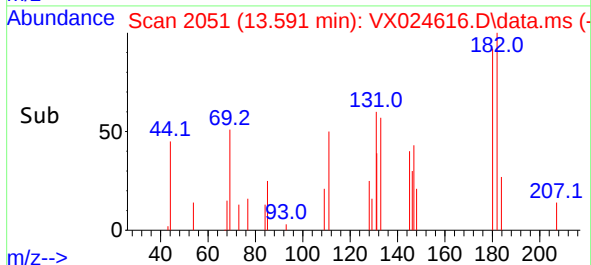
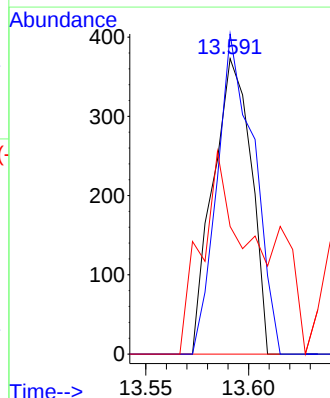
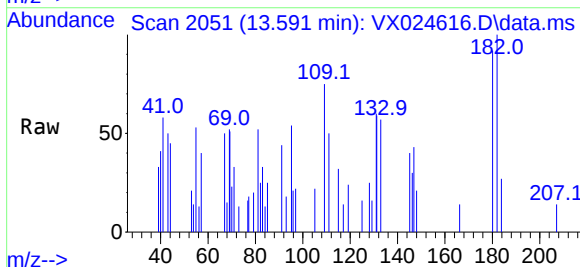
Instrument :
MSVOA_X
ClientSampleId :

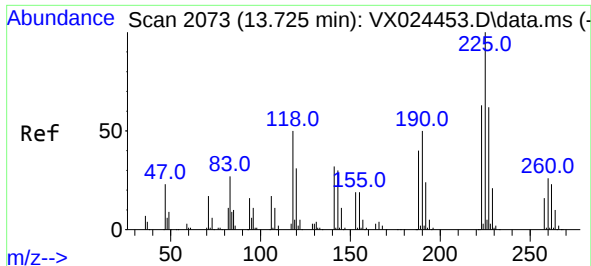
Tgt Ion: 75 Resp: 58438
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.202 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

Tgt Ion:180 Resp: 480
Ion Ratio Lower Upper
180 100
182 104.8 47.7 143.1
145 103.8 15.0 45.0#

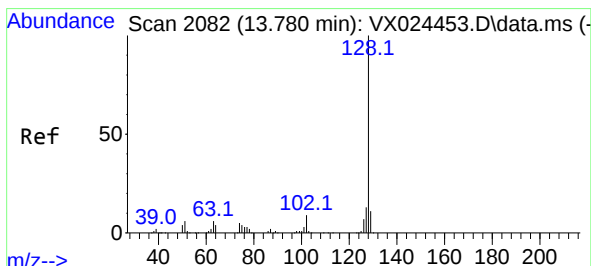
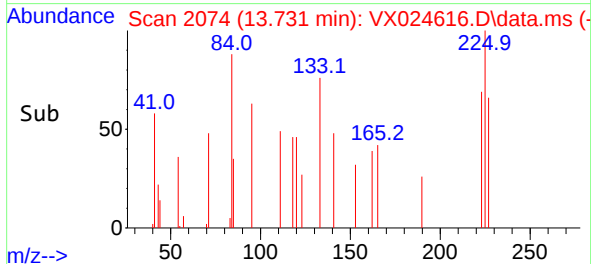
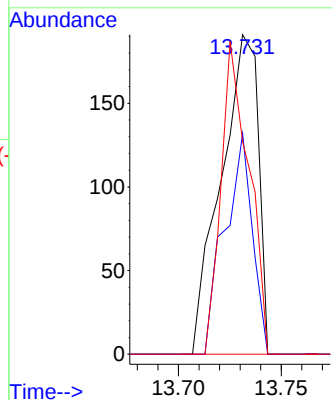
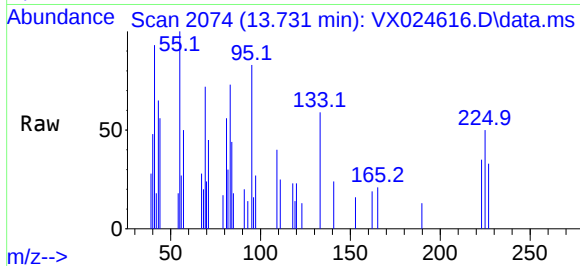




#94
Hexachlorobutadiene
Concen: 0.222 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

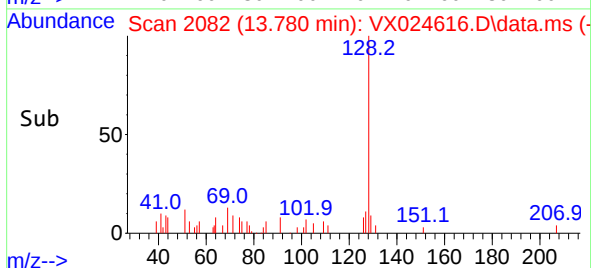
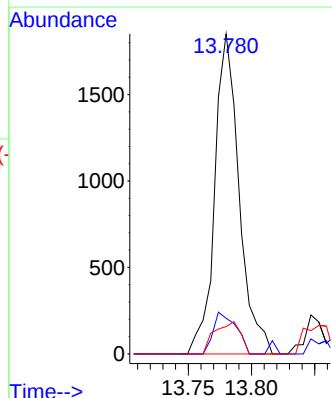
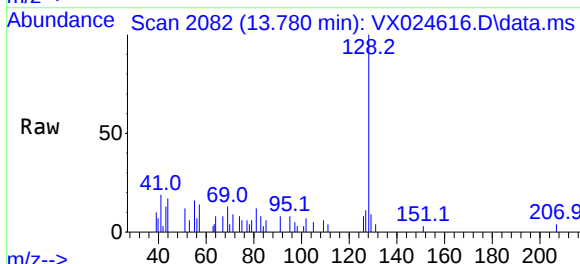
Instrument :
MSVOA_X
ClientSampled :

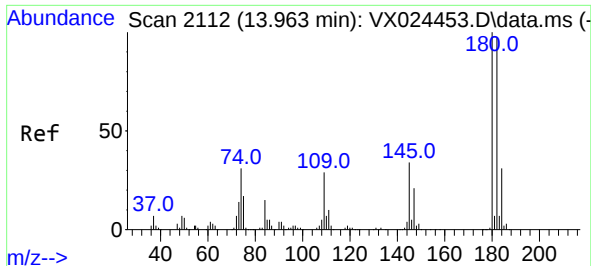
Tgt Ion:225	Resp:	241
Ion Ratio	Lower	Upper
225	100	
223	51.0	31.1 93.2
227	73.0	31.6 95.0



#95
Naphthalene
Concen: 0.326 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024616.D
Acq: 06 Oct 2021 14:00

Tgt Ion:128	Resp:	2479
Ion Ratio	Lower	Upper
128	100	
127	12.1	10.3 15.5
129	10.6	8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.226 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX024616.D
 Acq: 06 Oct 2021 14:00

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:	180	Resp:	550
Ion	Ratio	Lower	Upper
180	100		
182	76.7	47.6	142.9
145	105.6	16.1	48.3#

