

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030422\
 Data File : VX027299.D
 Acq On : 04 Mar 2022 14:20
 Operator : JC/MD
 Sample : N1757-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 34064

Quant Time: Mar 05 00:44:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022322W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 23 13:06:57 2022
 Response via : Initial Calibration

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

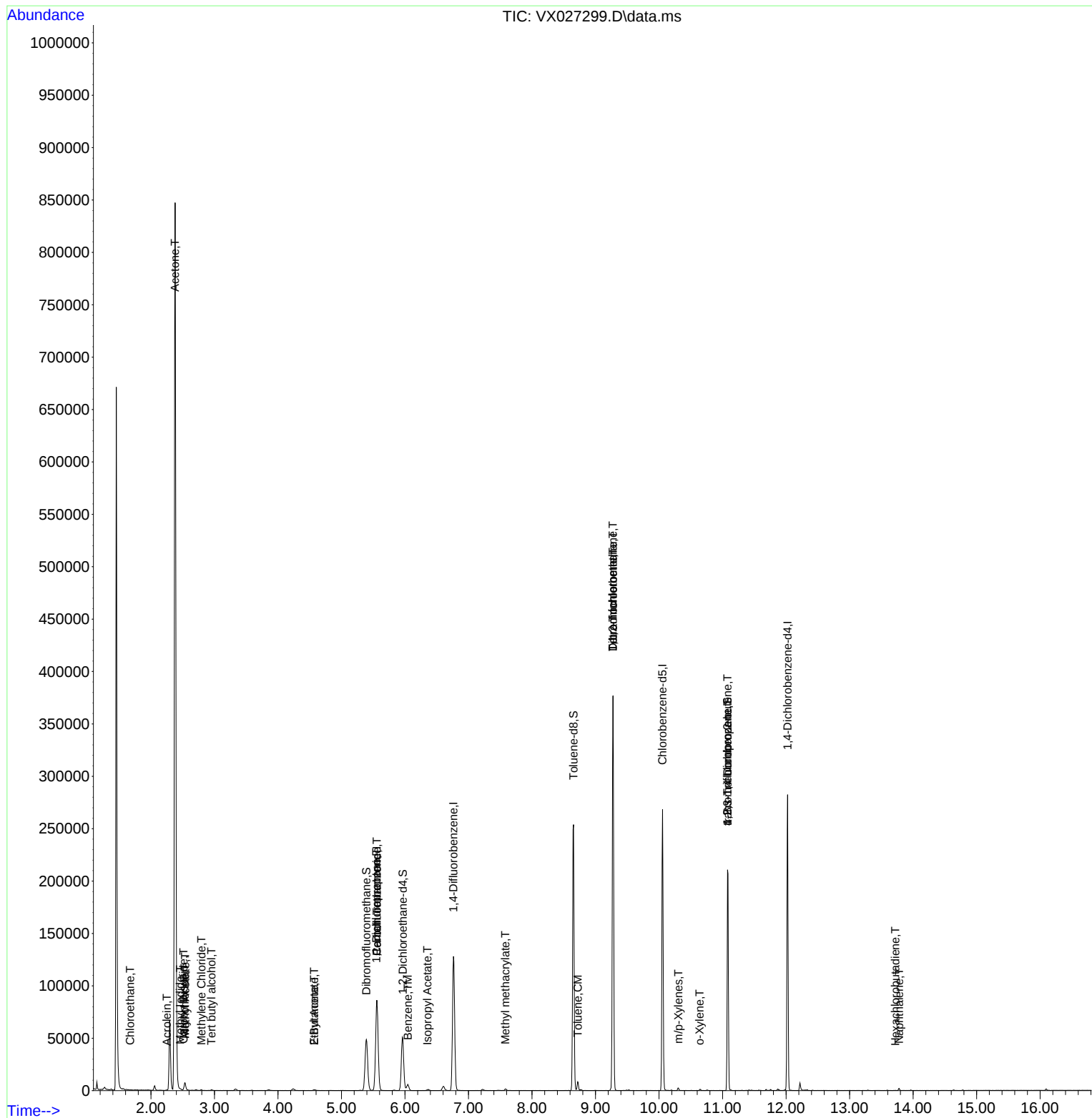
Internal Standards						
1) Pentafluorobenzene	5.556	168	83581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	136668	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123541	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	50381	50.190	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.380%			
35) Dibromofluoromethane	5.391	113	43433	51.199	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.400%			
50) Toluene-d8	8.653	98	155433	49.002	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.000%			
62) 4-Bromofluorobenzene	11.079	95	58313	47.893	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.780%			
Target Compounds					Qvalue	
5) Bromomethane	1.617	94	238	Below Cal		93
6) Chloroethane	1.672	64	168	0.354 ug/l	#	43
10) Methyl Iodide	2.459	142	469	0.417 ug/l	#	85
11) Tert butyl alcohol	2.953	59	769	3.937 ug/l	#	75
13) Acrolein	2.251	56	373	2.066 ug/l		92
14) Allyl chloride	2.532	41	703	0.491 ug/l	#	20
16) Acetone	2.380	43	869293	1972.380 ug/l		96
17) Carbon Disulfide	2.514	76	498	0.235 ug/l	#	74
18) Methyl Acetate	2.538	43	2766	2.431 ug/l	#	53
20) Methylene Chloride	2.794	84	223	0.244 ug/l	#	86
25) 2-Butanone	4.568	43	1547	2.204 ug/l		98
36) 1,1-Dichloropropene	5.550	75	5737	4.634 ug/l	#	50
37) Ethyl Acetate	4.568	43	1547	1.138 ug/l	#	69
38) Carbon Tetrachloride	5.556	117	8235	6.377 ug/l	#	16
40) Benzene	6.043	78	6794	1.877 ug/l		93
43) Isopropyl Acetate	6.354	43	504	0.241 ug/l	#	62
48) Methyl methacrylate	7.580	41	478	0.472 ug/l	#	37
52) Toluene	8.720	92	3409	1.470 ug/l		97
55) 1,1,2-Trichloroethane	9.275	97	566	0.616 ug/l	#	1
60) Dibromochloromethane	9.275	129	69110	72.552 ug/l	#	11
64) Tetrachloroethene	9.275	164	73357	65.630 ug/l		95
68) m/p-Xylenes	10.305	106	666	0.392 ug/l		88
69) o-Xylene	10.640	106	342	0.200 ug/l		98
76) 1,2,3-Trichloropropane	11.079	75	28591	23.955 ug/l	#	40
81) trans-1,4-Dichloro-2-b...	11.079	75	28591	68.053 ug/l	#	4
94) Hexachlorobutadiene	13.719	225	105	0.206 ug/l	#	34
95) Naphthalene	13.780	128	1633	0.392 ug/l		99

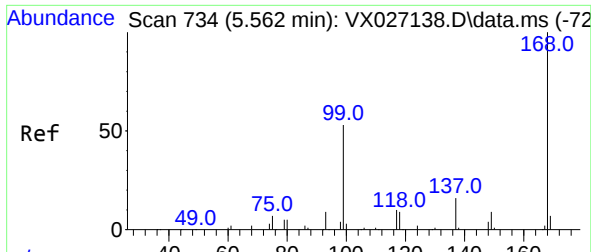
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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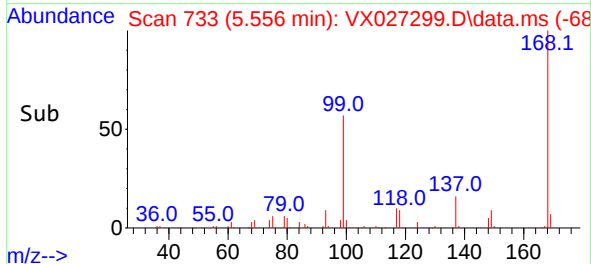
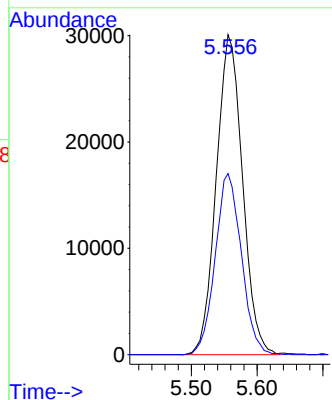
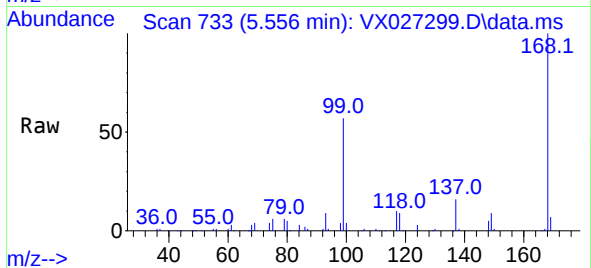




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

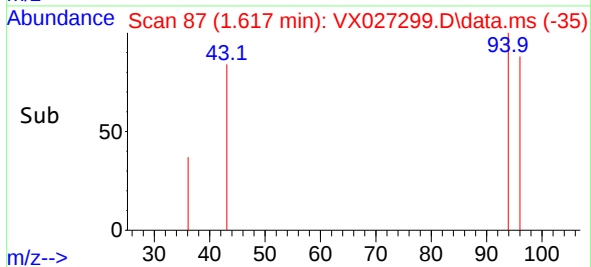
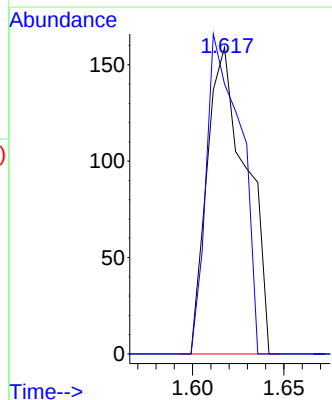
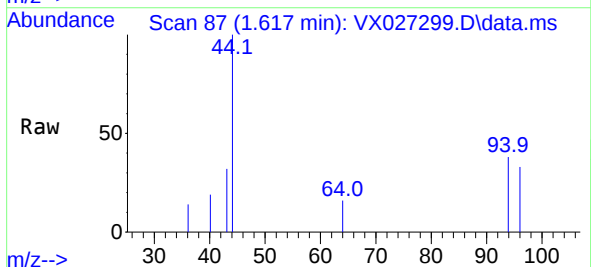
Instrument :
MSVOA_X
ClientSampleId :
34064

Tgt Ion:168 Resp: 83581
Ion Ratio Lower Upper
168 100
99 56.6 50.3 75.5

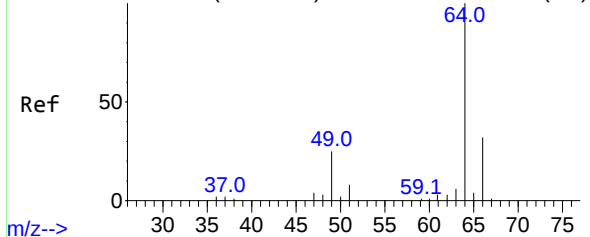


#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

Tgt Ion: 94 Resp: 238
Ion Ratio Lower Upper
94 100
96 88.1 75.9 113.9



Abundance Scan 97 (1.678 min): VX027138.D\data.ms (-91)

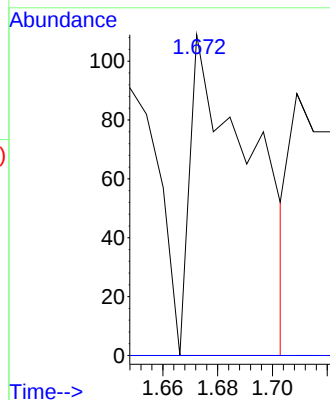
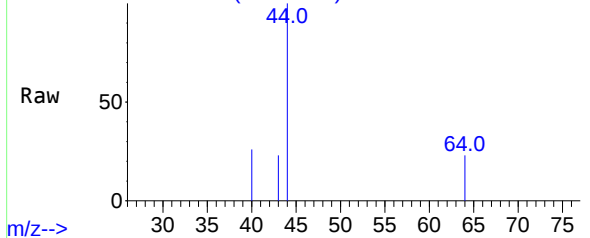


#6
Chloroethane
Concen: 0.354 ug/l
RT: 1.672 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

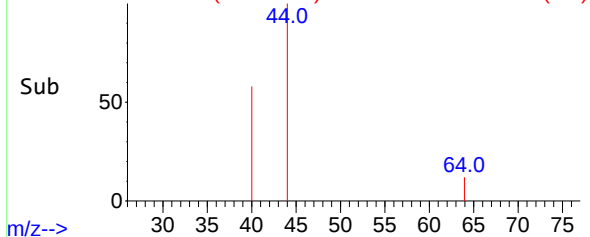
Instrument :
MSVOA_X
ClientSampleId :
34064

Tgt Ion: 64 Resp: 168
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

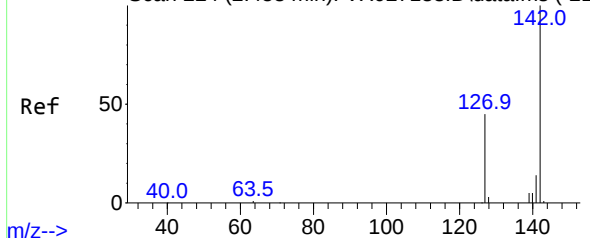
Abundance Scan 96 (1.672 min): VX027299.D\data.ms



Abundance Scan 96 (1.672 min): VX027299.D\data.ms (-48)



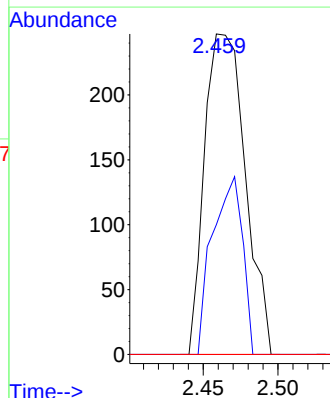
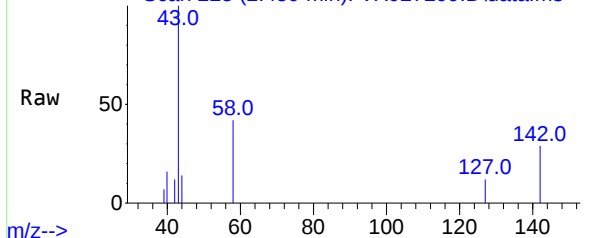
Abundance Scan 224 (2.453 min): VX027138.D\data.ms (-21)



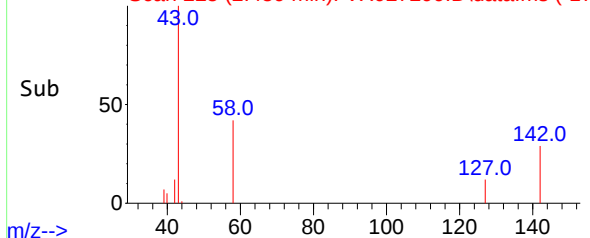
#10
Methyl Iodide
Concen: 0.417 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

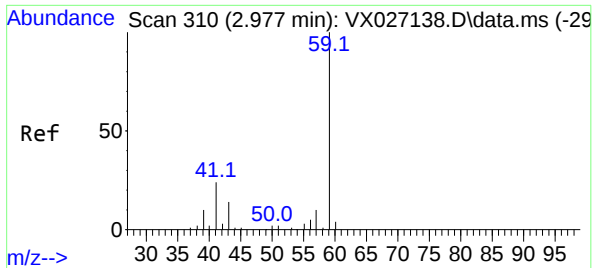
Tgt Ion: 142 Resp: 469
Ion Ratio Lower Upper
142 100
127 40.9 38.1 57.1
141 0.0 11.2 16.8#

Abundance Scan 225 (2.459 min): VX027299.D\data.ms



Abundance Scan 225 (2.459 min): VX027299.D\data.ms (-17)

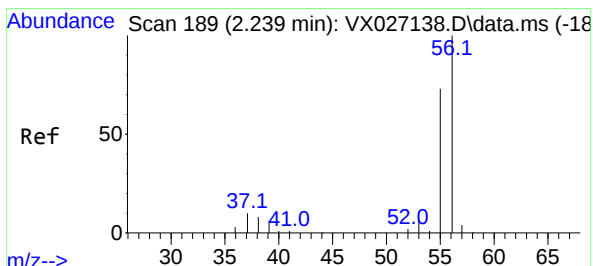
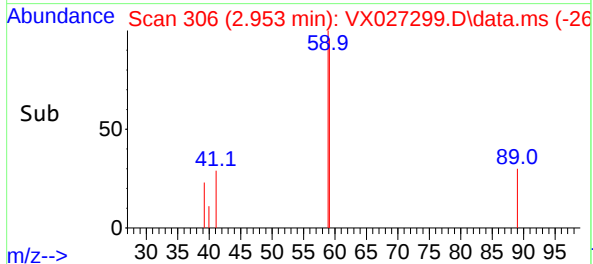
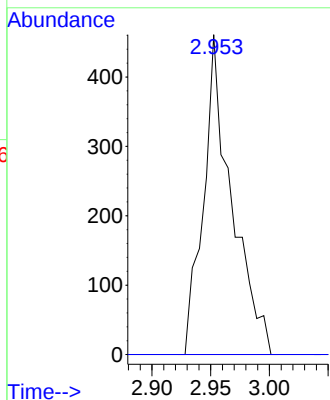
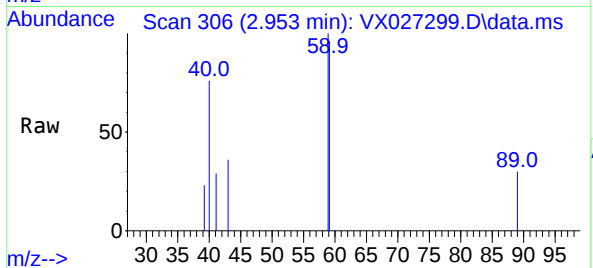




#11
Tert butyl alcohol
Concen: 3.937 ug/l
RT: 2.953 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

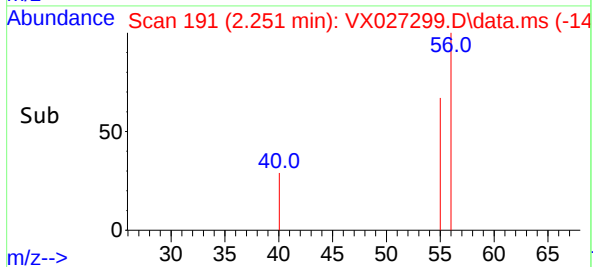
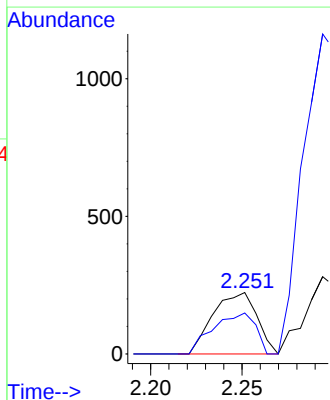
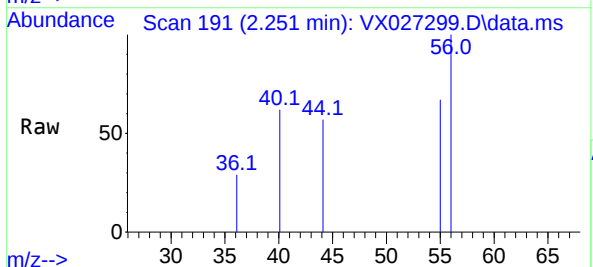
Instrument :
MSVOA_X
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34064

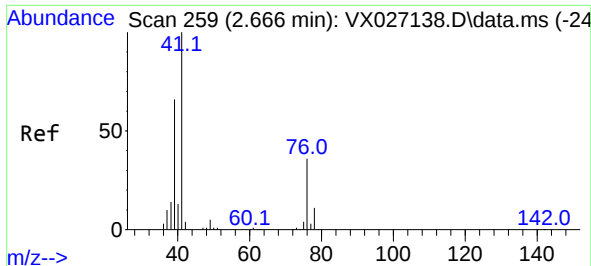
Tgt Ion: 59 Resp: 769
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#13
Acrolein
Concen: 2.066 ug/l
RT: 2.251 min Scan# 191
Delta R.T. 0.012 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

Tgt Ion: 56 Resp: 373
Ion Ratio Lower Upper
56 100
55 64.3 56.9 85.3

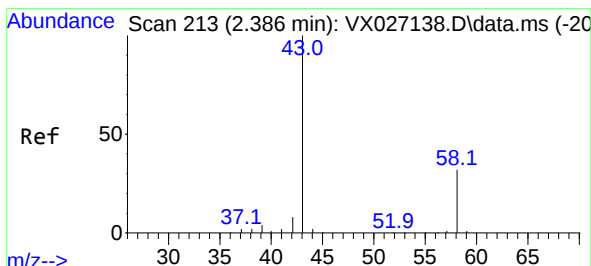
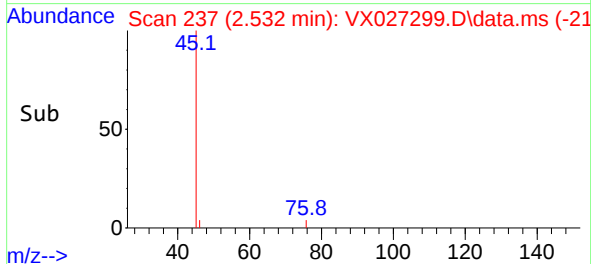
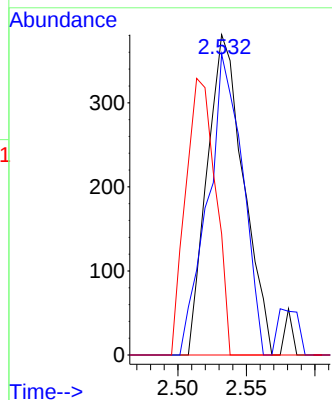
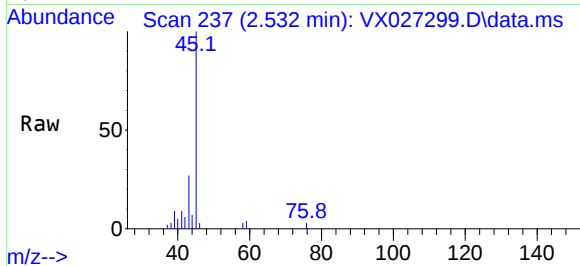




#14
Allyl chloride
Concen: 0.491 ug/l
RT: 2.532 min Scan# 21
Delta R.T. -0.134 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

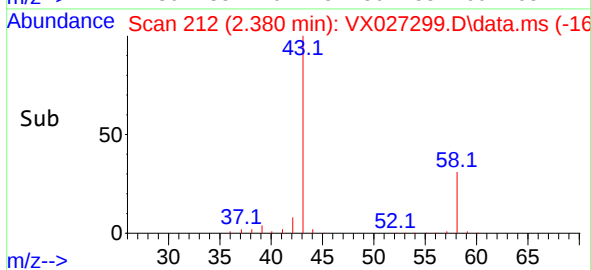
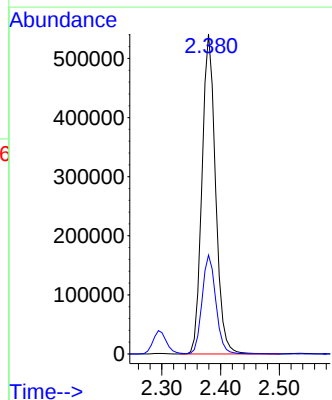
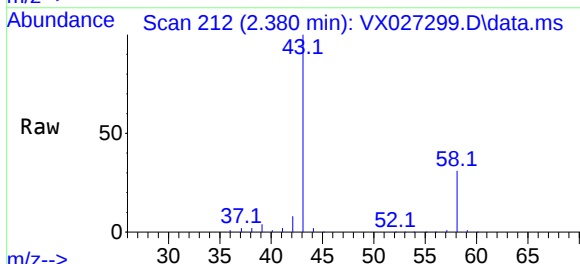
Instrument :
MSVOA_X
ClientSampleId :
34064

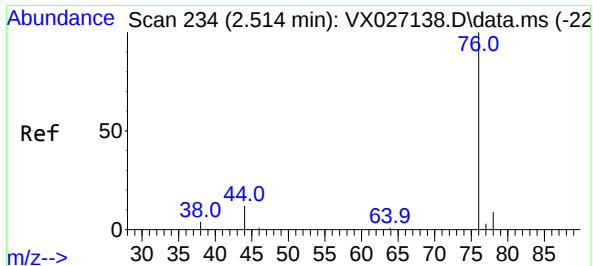
Tgt Ion: 41 Resp: 703
Ion Ratio Lower Upper
41 100
39 0.0 54.2 81.4#
76 70.8 25.2 37.8#



#16
Acetone
Concen: 1972.380 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

Tgt Ion: 43 Resp: 869293
Ion Ratio Lower Upper
43 100
58 30.9 23.0 34.6





#17

Carbon Disulfide

Concen: 0.235 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX027299.D

Acq: 04 Mar 2022 14:20

Instrument :

MSVOA_X

ClientSampleId :

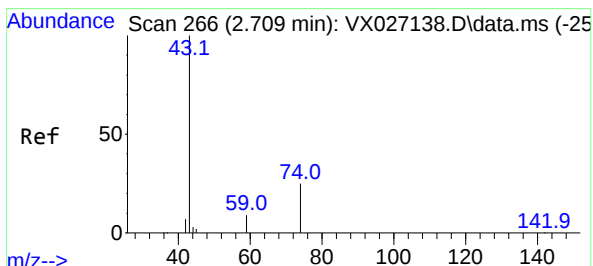
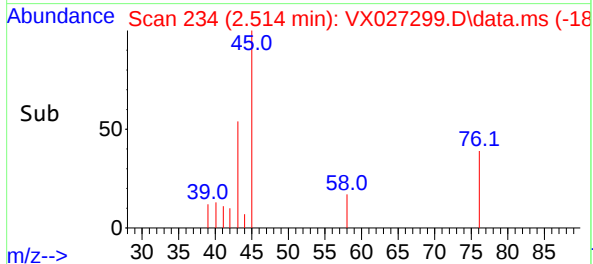
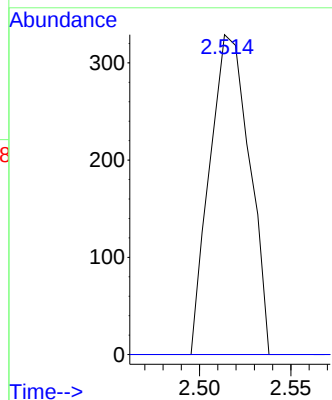
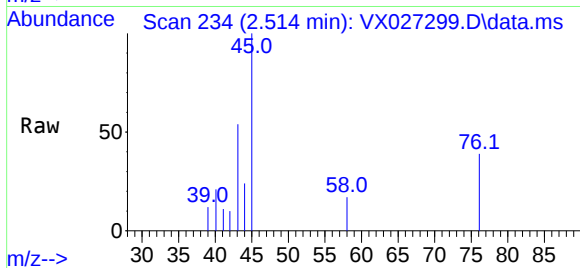
34064

Tgt Ion: 76 Resp: 498

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



#18

Methyl Acetate

Concen: 2.431 ug/l

RT: 2.538 min Scan# 238

Delta R.T. -0.171 min

Lab File: VX027299.D

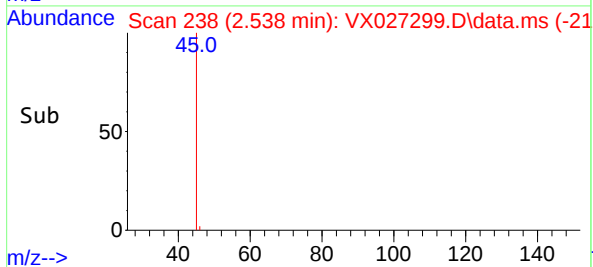
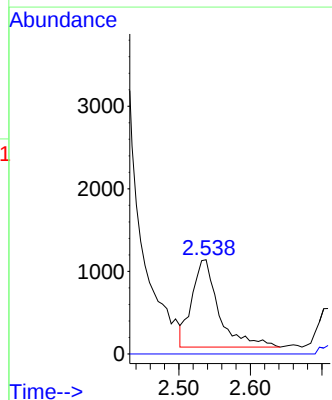
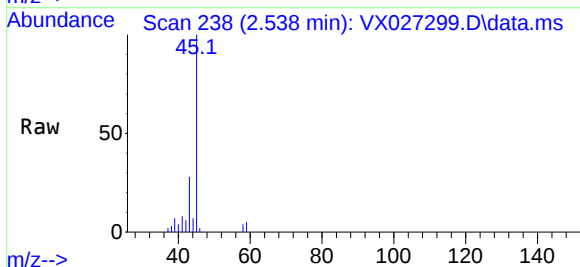
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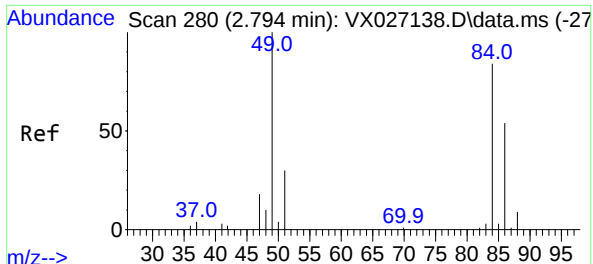
Tgt Ion: 43 Resp: 2766

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#





#20

Methylene Chloride

Concen: 0.244 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX027299.D

Acq: 04 Mar 2022 14:20

Instrument :

MSVOA_X

ClientSampleId :

34064

Tgt Ion: 84 Resp: 223

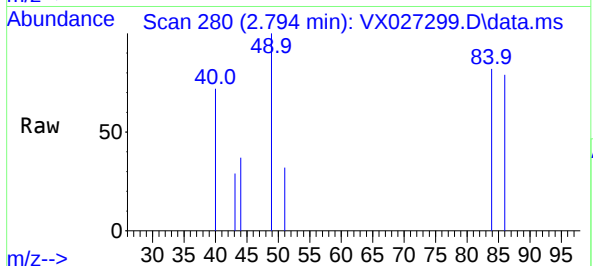
Ion Ratio Lower Upper

84 100

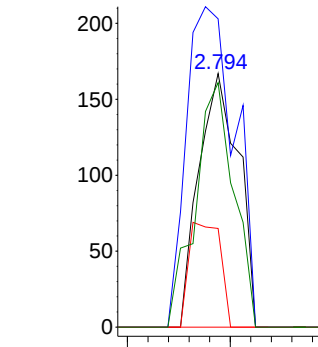
49 121.6 101.5 152.3

51 38.9 31.2 46.8

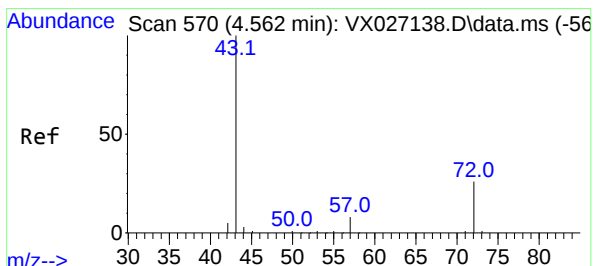
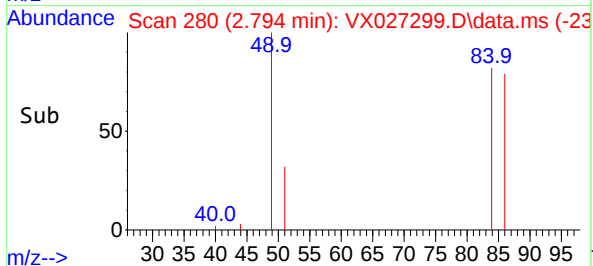
86 96.4 51.3 76.9#



Abundance



Time-->



#25

2-Butanone

Concen: 2.204 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX027299.D

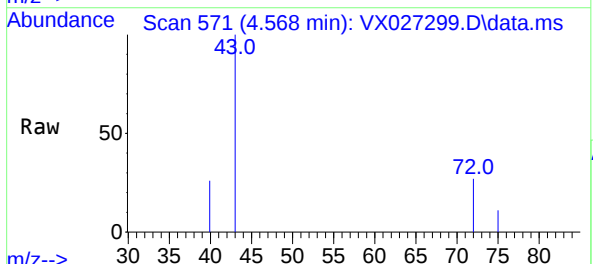
Acq: 04 Mar 2022 14:20

Tgt Ion: 43 Resp: 1547

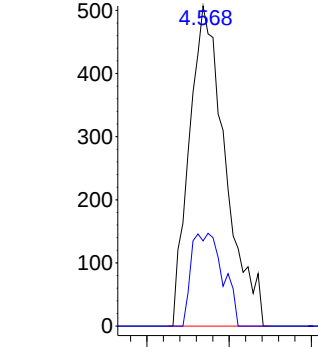
Ion Ratio Lower Upper

43 100

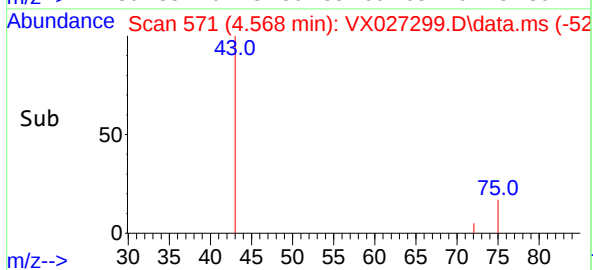
72 26.6 20.4 30.6

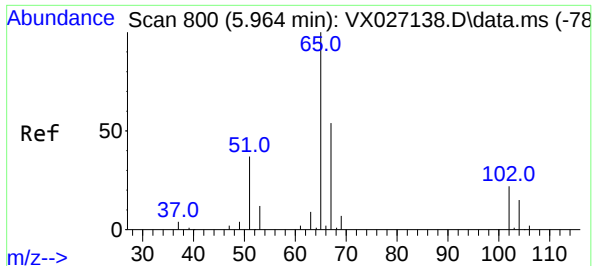


Abundance



Time-->

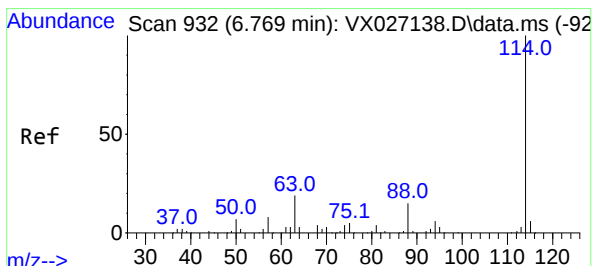
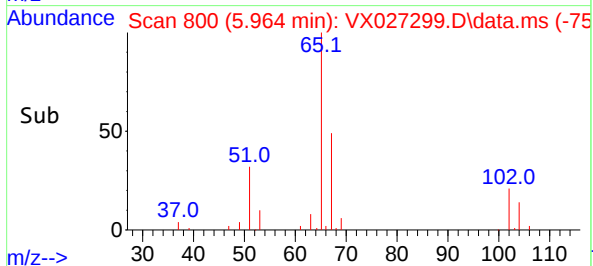
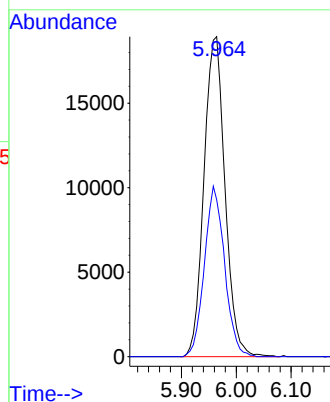
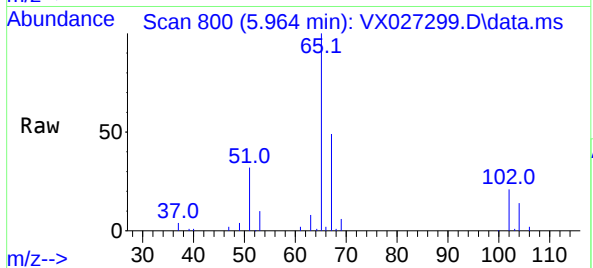




#33
 1,2-Dichloroethane-d4
 Concen: 50.190 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX027299.D
 Acq: 04 Mar 2022 14:20

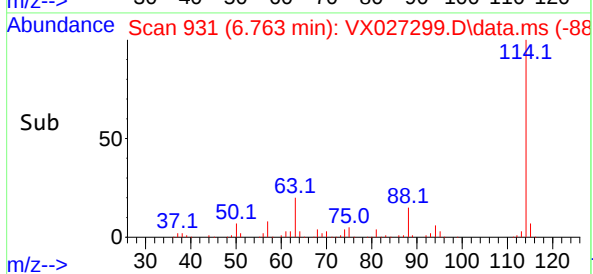
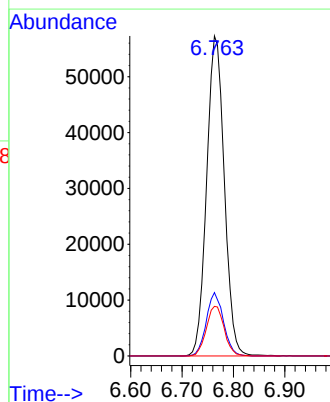
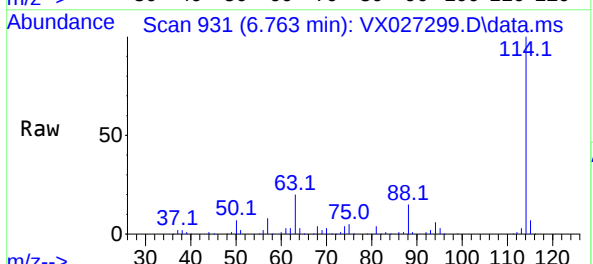
Instrument :
 MSVOA_X
 ClientSampleId :
 34064

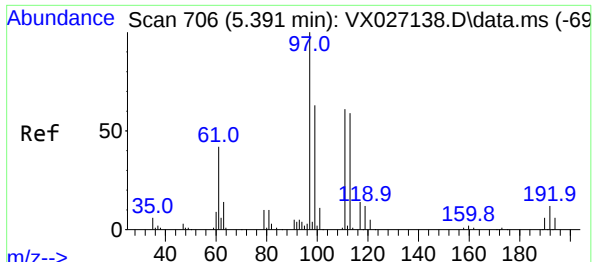
Tgt Ion: 65 Resp: 50381
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.006 min
 Lab File: VX027299.D
 Acq: 04 Mar 2022 14:20

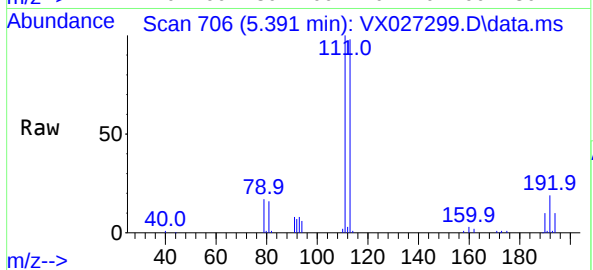
Tgt Ion: 114 Resp: 136668
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.8
 88 15.5 0.0 33.0





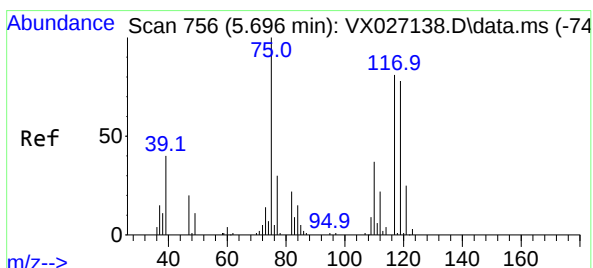
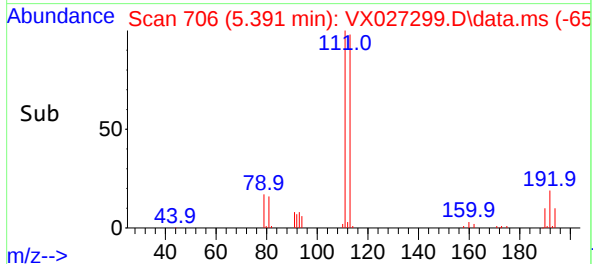
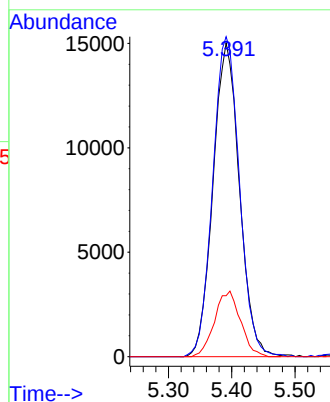
#35
 Dibromofluoromethane
 Concen: 51.199 ug/l
 RT: 5.391 min Scan# 706
 Delta R.T. 0.000 min
 Lab File: VX027299.D
 Acq: 04 Mar 2022 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 34064



Tgt Ion: 113 Resp: 43433

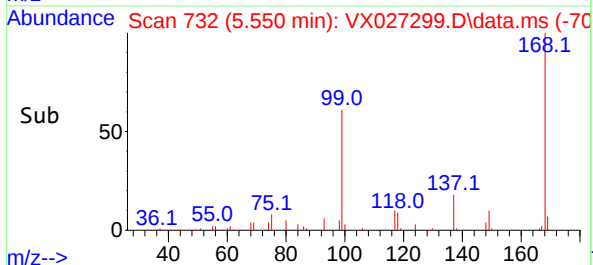
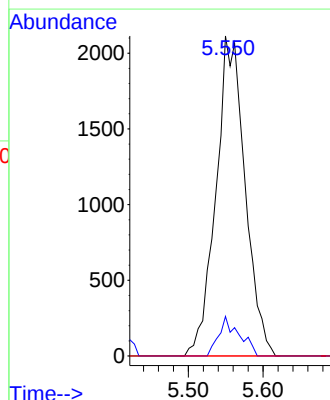
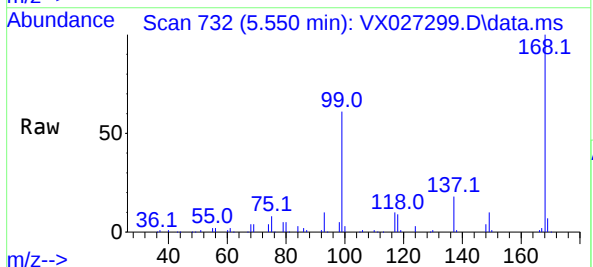
Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.2	121.8
192	20.6	15.0	22.4

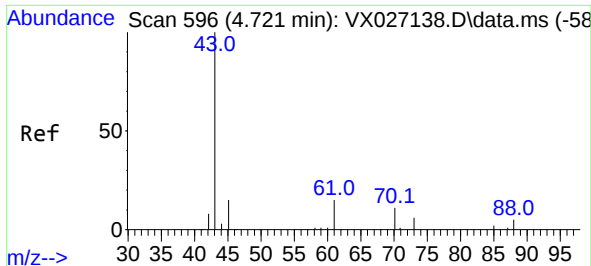


#36
 1,1-Dichloropropene
 Concen: 4.634 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.146 min
 Lab File: VX027299.D
 Acq: 04 Mar 2022 14:20

Tgt Ion: 75 Resp: 5737

Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.2	51.6#
77	0.0	24.6	36.8#





#37

Ethyl Acetate

Concen: 1.138 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.153 min

Lab File: VX027299.D

Acq: 04 Mar 2022 14:20

Instrument :

MSVOA_X

ClientSampleId :

34064

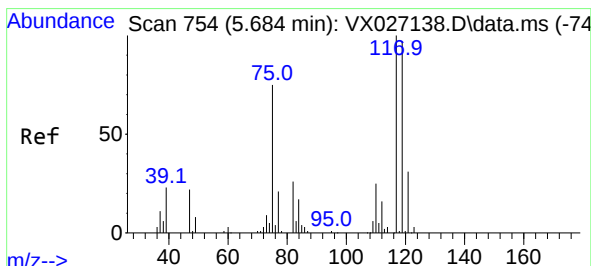
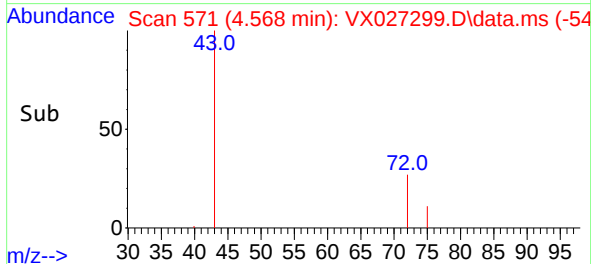
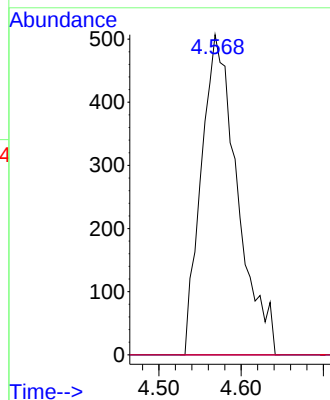
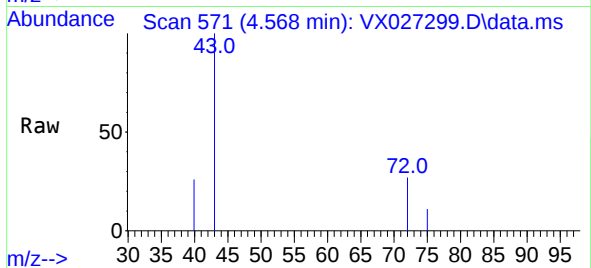
Tgt Ion: 43 Resp: 1547

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 6.377 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX027299.D

Acq: 04 Mar 2022 14:20

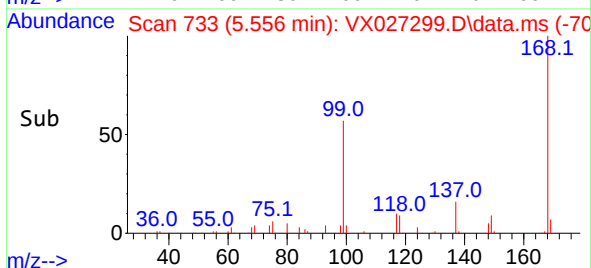
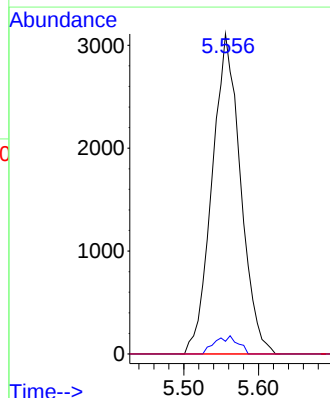
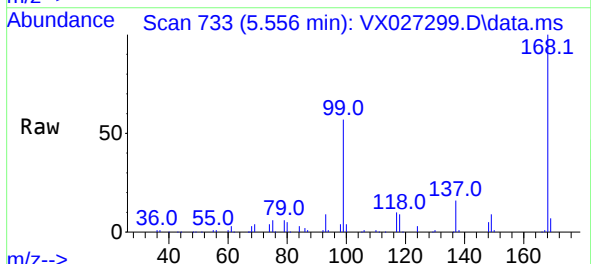
Tgt Ion: 117 Resp: 8235

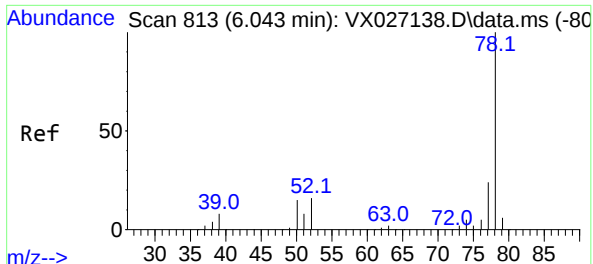
Ion Ratio Lower Upper

117 100

119 4.0 74.7 112.1#

121 0.0 25.4 38.0#

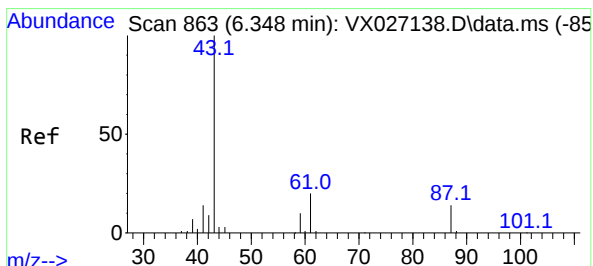
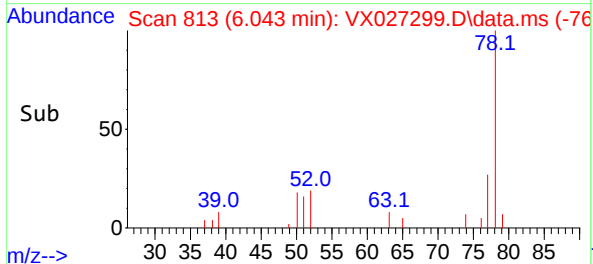
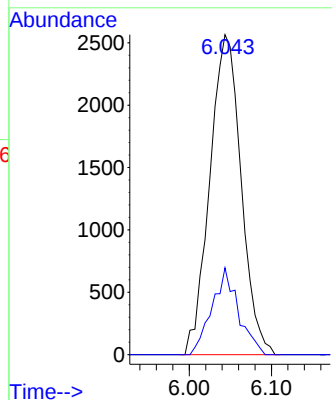
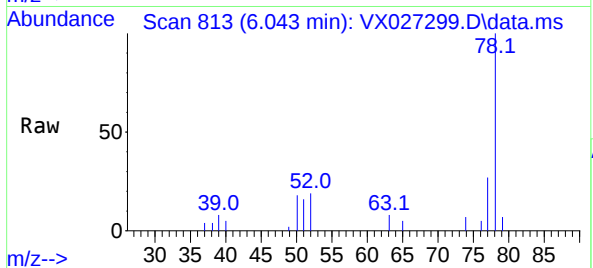




#40
Benzene
Concen: 1.877 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

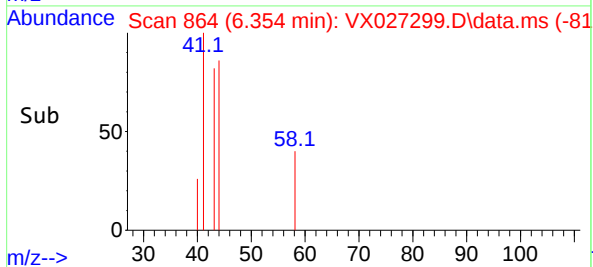
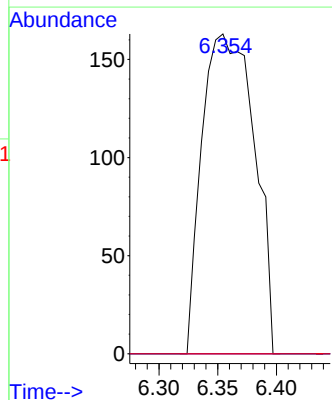
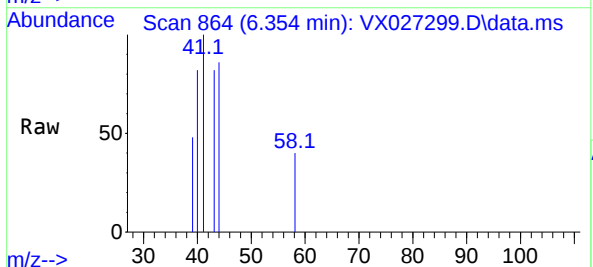
Instrument :
MSVOA_X
ClientSampleId :
34064

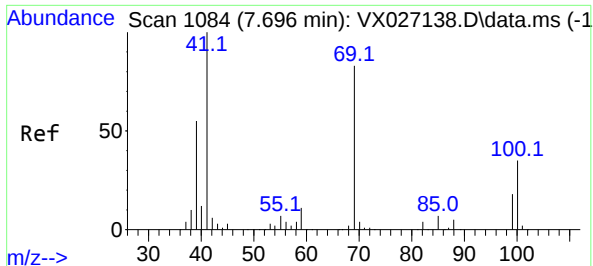
Tgt Ion: 78 Resp: 6794
Ion Ratio Lower Upper
78 100
77 27.1 18.9 28.3



#43
Isopropyl Acetate
Concen: 0.241 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

Tgt Ion: 43 Resp: 504
Ion Ratio Lower Upper
43 100
61 0.0 15.4 23.0#
87 0.0 10.2 15.2#





#48

Methyl methacrylate

Concen: 0.472 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.116 min

Lab File: VX027299.D

Acq: 04 Mar 2022 14:20

Instrument :

MSVOA_X

ClientSampleId :

34064

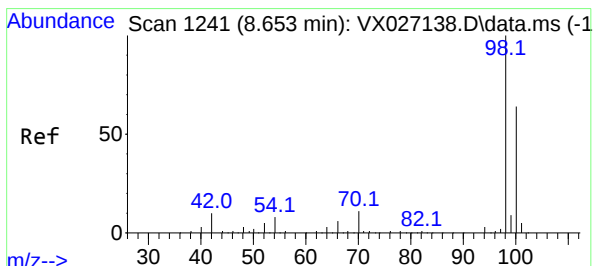
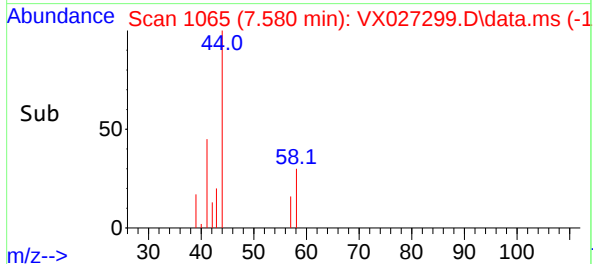
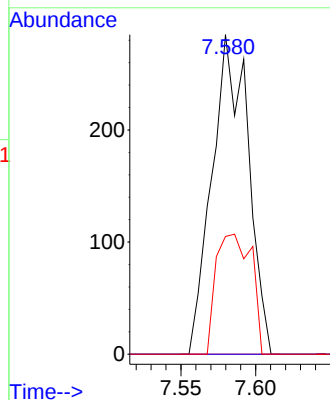
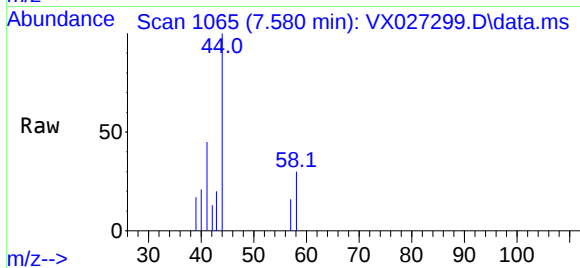
Tgt Ion: 41 Resp: 478

Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.4#

39 36.8 45.4 68.0#



#50

Toluene-d8

Concen: 49.002 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX027299.D

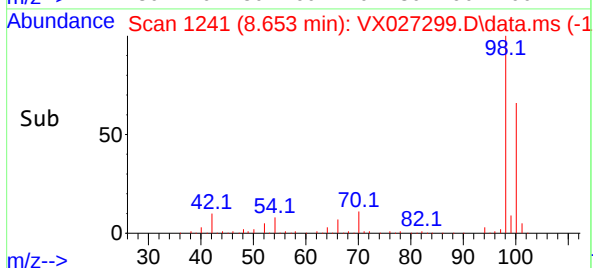
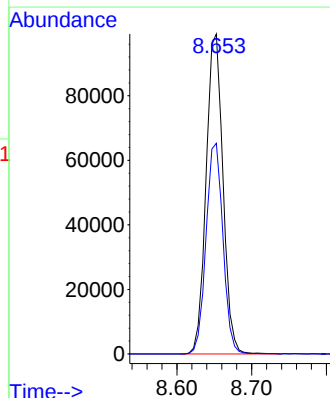
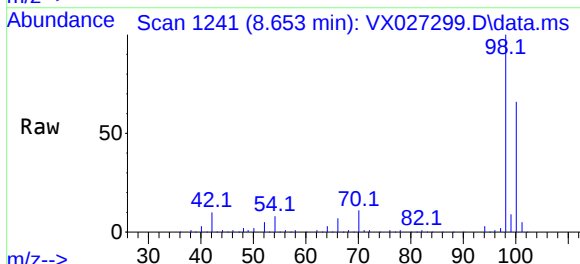
Acq: 04 Mar 2022 14:20

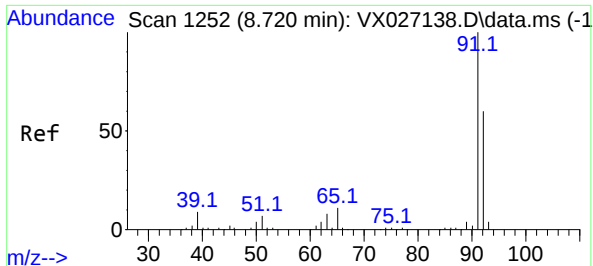
Tgt Ion: 98 Resp: 155433

Ion Ratio Lower Upper

98 100

100 66.1 53.2 79.8

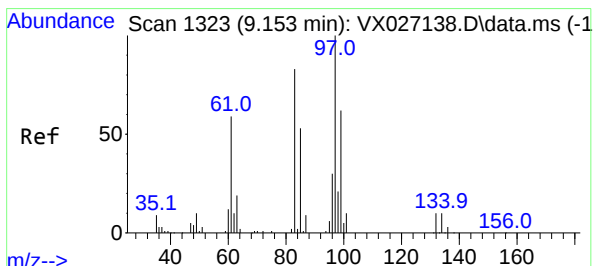
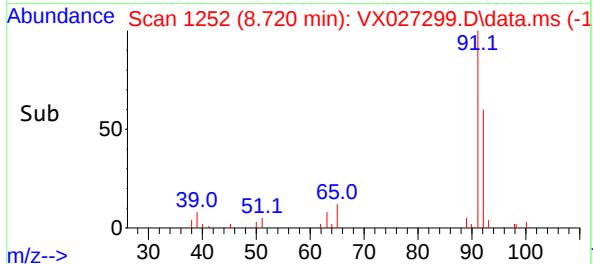
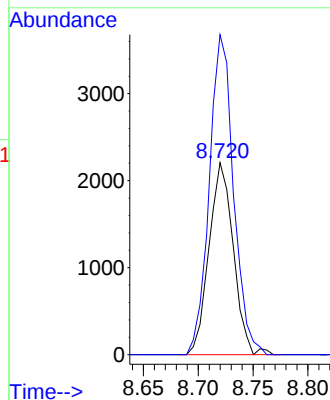
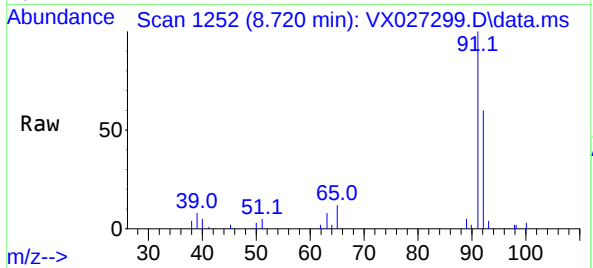




#52
Toluene
Concen: 1.470 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

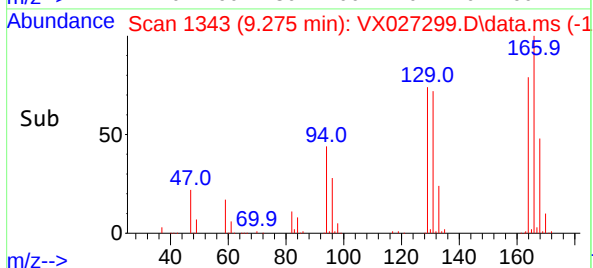
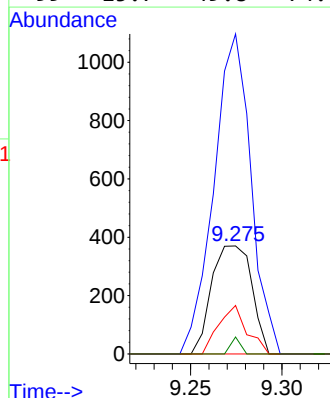
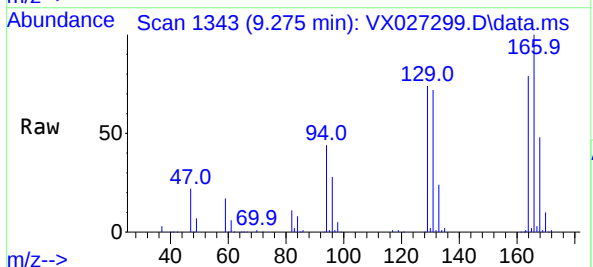
Instrument :
MSVOA_X
ClientSampleId :
34064

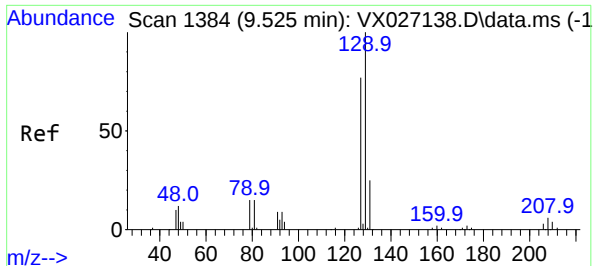
Tgt Ion: 92 Resp: 3409
Ion Ratio Lower Upper
92 100
91 165.9 135.7 203.5



#55
1,1,2-Trichloroethane
Concen: 0.616 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.122 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

Tgt Ion: 97 Resp: 566
Ion Ratio Lower Upper
97 100
83 296.5 68.4 102.6#
85 44.9 44.0 66.0
99 15.7 49.8 74.6#

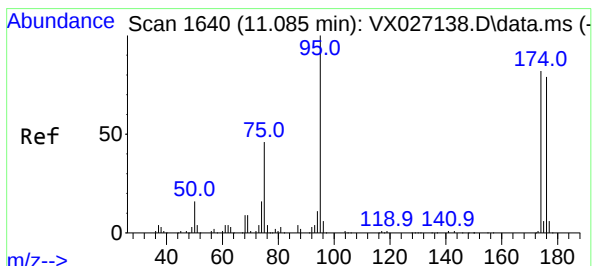
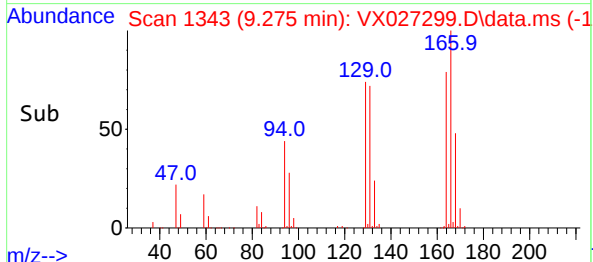
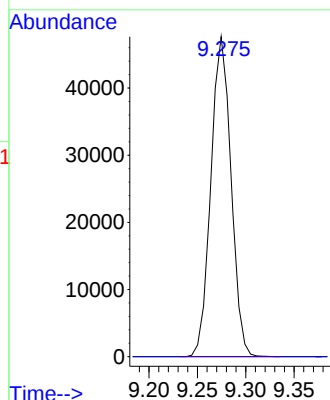
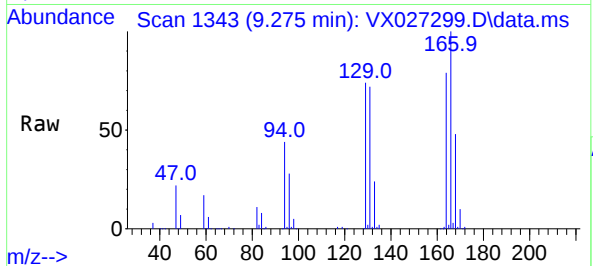




#60
Dibromochloromethane
Concen: 72.552 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

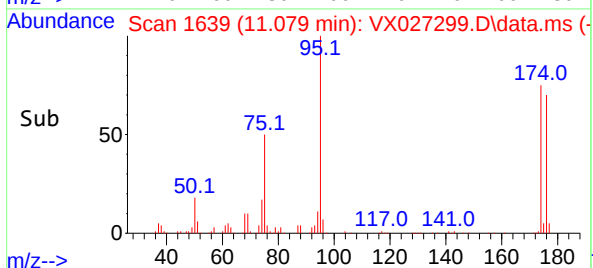
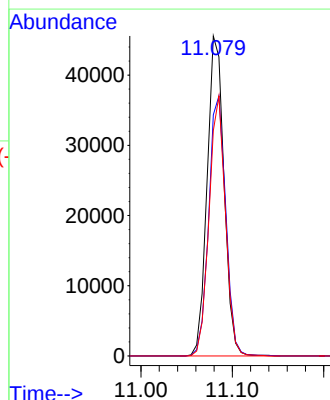
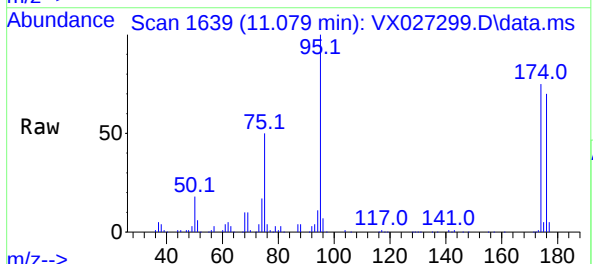
Instrument :
MSVOA_X
ClientSampleId :
34064

Tgt Ion:129 Resp: 69110
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

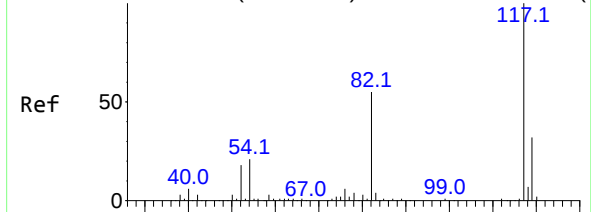


#62
4-Bromofluorobenzene
Concen: 47.893 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

Tgt Ion: 95 Resp: 58313
Ion Ratio Lower Upper
95 100
174 82.1 0.0 148.6
176 78.7 0.0 141.4

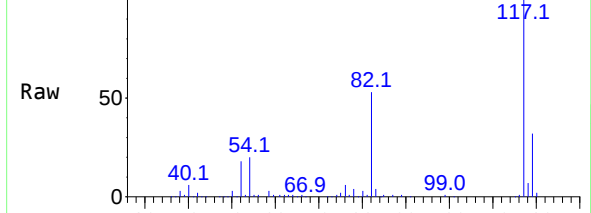


Abundance Scan 1471 (10.055 min): VX027138.D\data.ms (-1



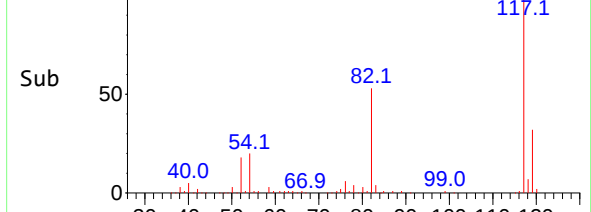
m/z-->

Abundance Scan 1471 (10.055 min): VX027299.D\data.ms (-1



m/z-->

Abundance Scan 1471 (10.055 min): VX027299.D\data.ms (-1



m/z-->

#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX027299.D

Acq: 04 Mar 2022 14:20

Instrument :

MSVOA_X

ClientSampleId :

34064

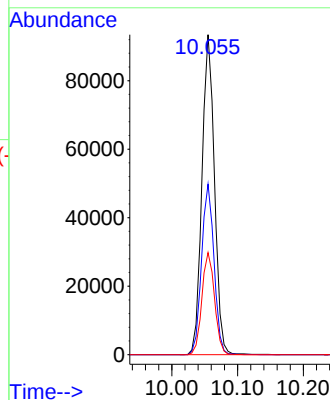
Tgt Ion:117 Resp: 123541

Ion Ratio Lower Upper

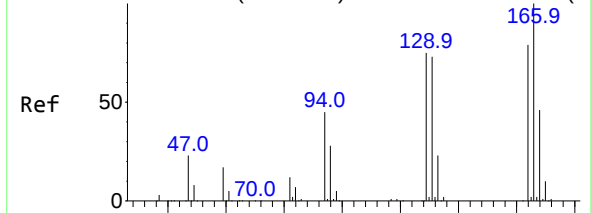
117 100

82 53.3 45.2 67.8

119 31.9 26.2 39.2

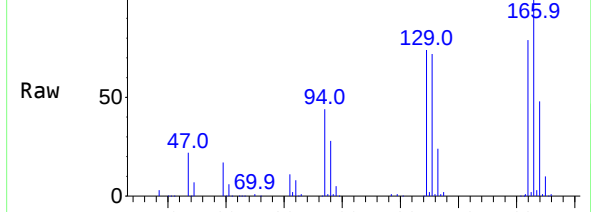


Abundance Scan 1343 (9.275 min): VX027138.D\data.ms (-1



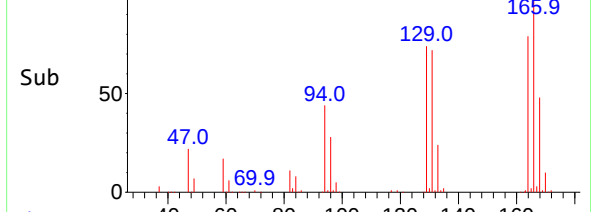
m/z-->

Abundance Scan 1343 (9.275 min): VX027299.D\data.ms (-1



m/z-->

Abundance Scan 1343 (9.275 min): VX027299.D\data.ms (-1



m/z-->

#64

Tetrachloroethene

Concen: 65.630 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX027299.D

Acq: 04 Mar 2022 14:20

Tgt Ion:164 Resp: 73357

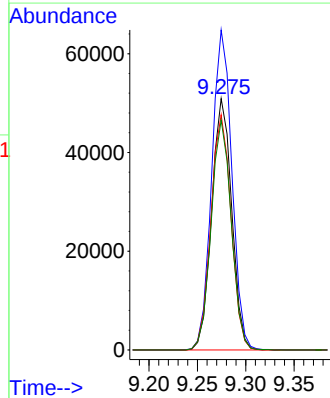
Ion Ratio Lower Upper

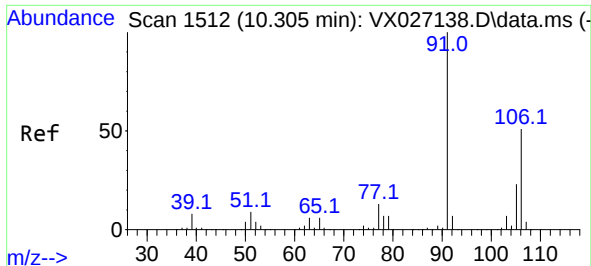
164 100

166 127.3 101.8 152.6

129 93.6 83.3 124.9

131 91.5 78.0 117.0

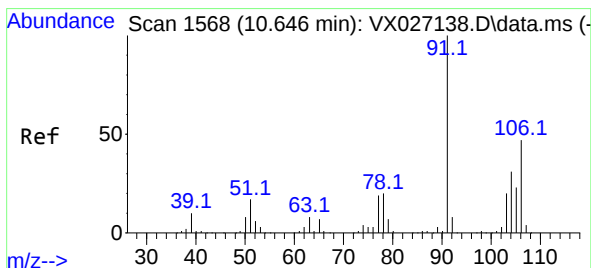
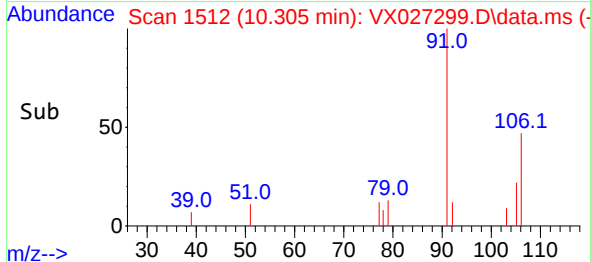
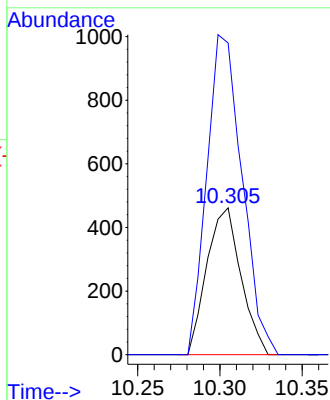
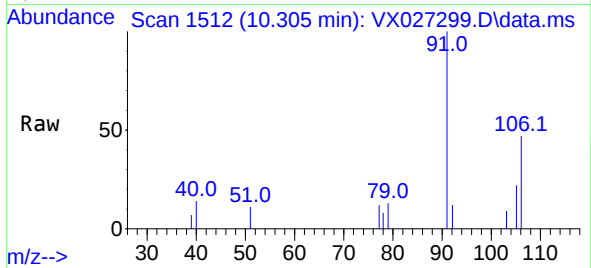




#68
m/p-Xylenes
Concen: 0.392 ug/l
RT: 10.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

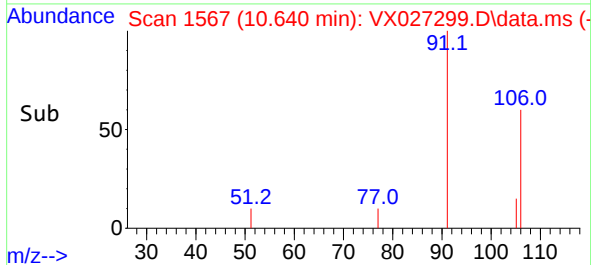
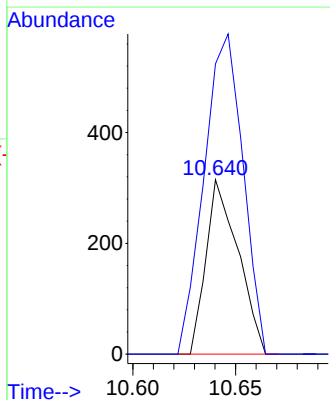
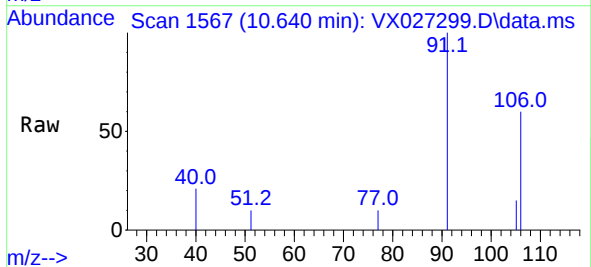
Instrument :
MSVOA_X
ClientSampleId :
34064

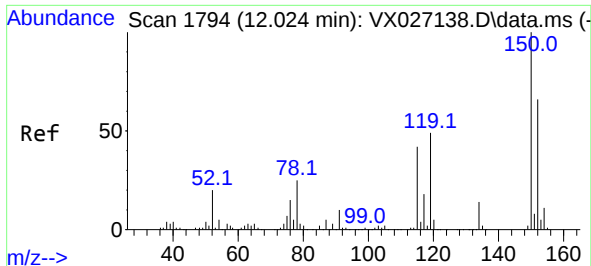
Tgt Ion:106 Resp: 666
Ion Ratio Lower Upper
106 100
91 225.4 165.3 247.9



#69
o-Xylene
Concen: 0.200 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

Tgt Ion:106 Resp: 342
Ion Ratio Lower Upper
106 100
91 222.2 109.7 329.0

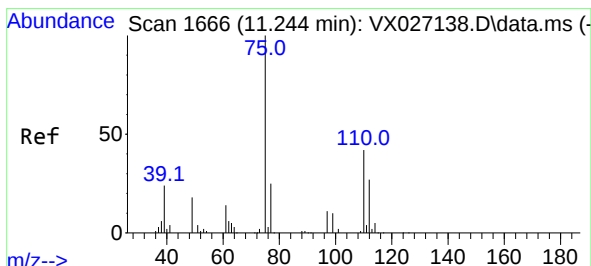
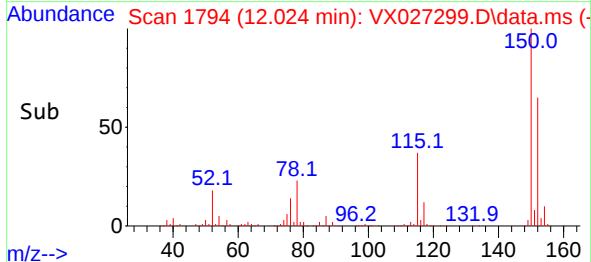
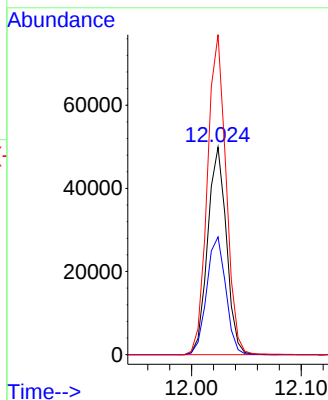
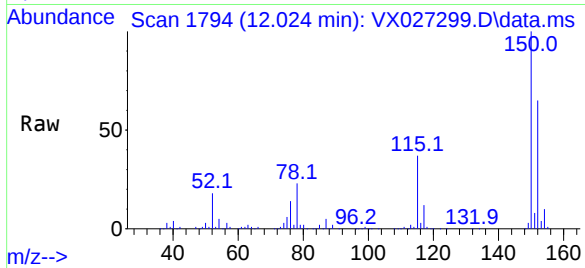




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

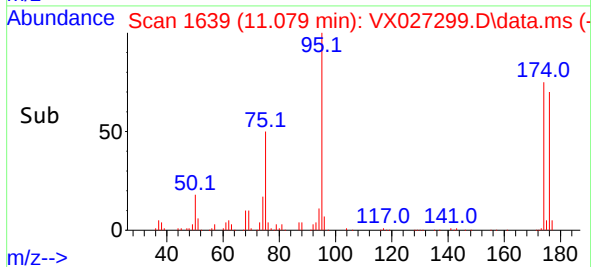
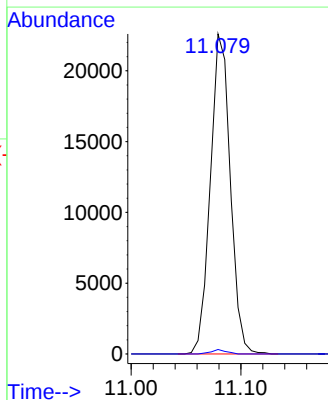
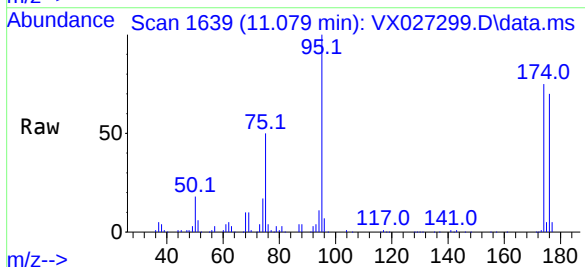
Instrument :
MSVOA_X
ClientSampleId :
34064

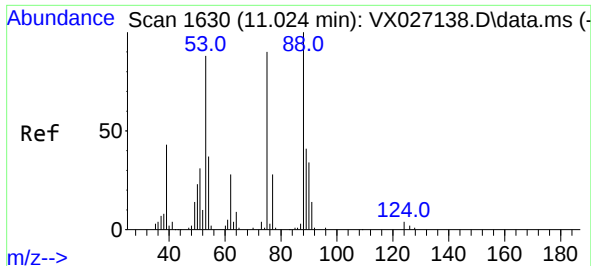
Tgt Ion:152 Resp: 59255
Ion Ratio Lower Upper
152 100
115 57.9 44.2 132.6
150 153.9 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 23.955 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

Tgt Ion: 75 Resp: 28591
Ion Ratio Lower Upper
75 100
77 1.0 18.3 54.8#

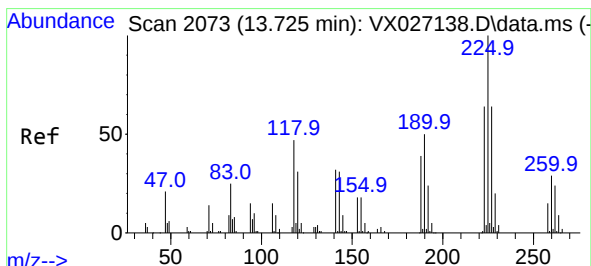
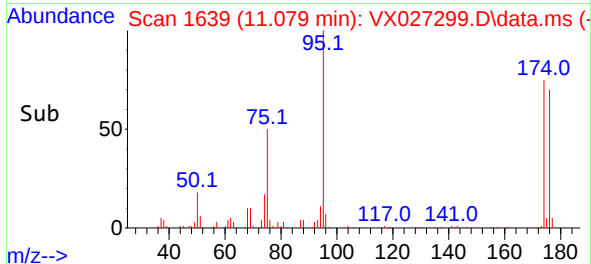
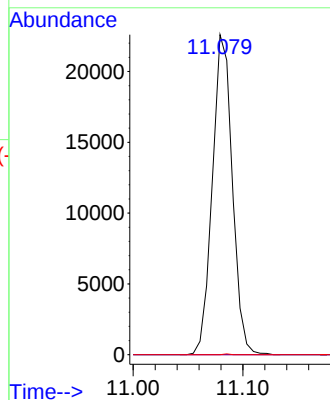
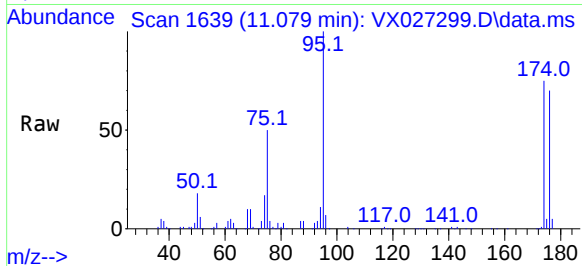




#81
trans-1,4-Dichloro-2-butene
Concen: 68.053 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

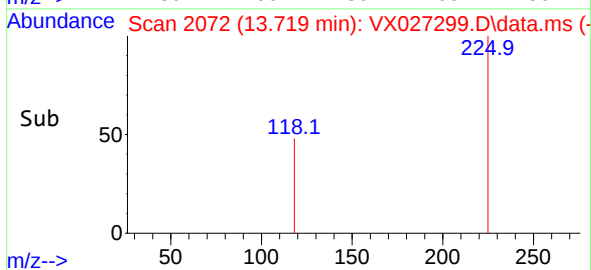
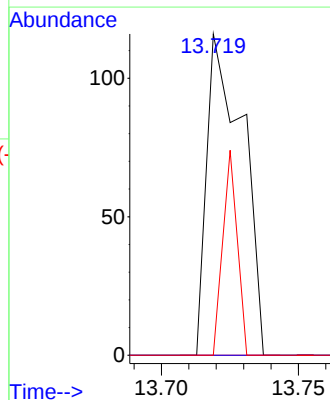
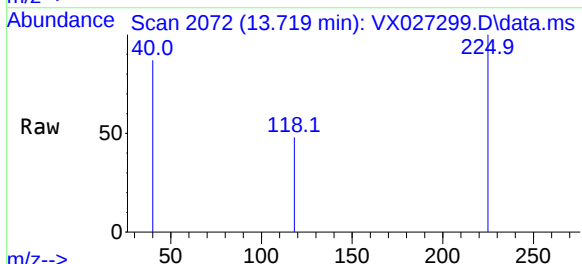
Instrument :
MSVOA_X
ClientSampleId :
34064

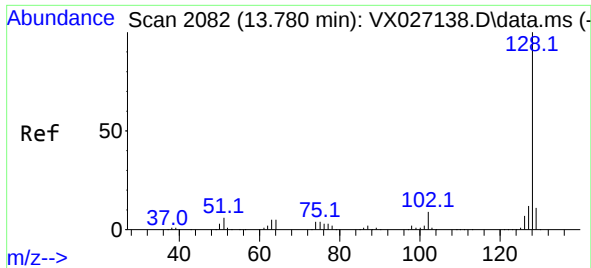
Tgt Ion: 75 Resp: 28591
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.1 37.0 55.4#



#94
Hexachlorobutadiene
Concen: 0.206 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

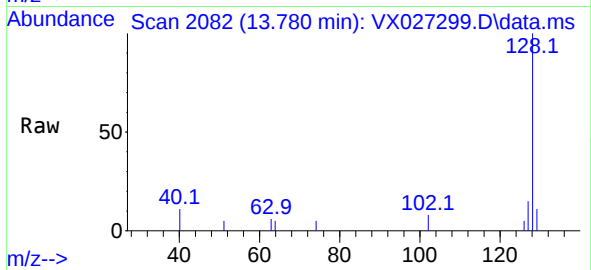
Tgt Ion: 225 Resp: 105
Ion Ratio Lower Upper
225 100
223 0.0 32.0 96.0#
227 25.7 32.3 96.9#





#95
Naphthalene
Concen: 0.392 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX027299.D
Acq: 04 Mar 2022 14:20

Instrument :
MSVOA_X
ClientSampleId :
34064



Tgt Ion:	128	Resp:	1633
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	11.2	8.7	13.1

