

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031622\
 Data File : VX027473.D
 Acq On : 16 Mar 2022 16:03
 Operator : JC/MD
 Sample : N1950-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 3222RE

Quant Time: Mar 17 00:51:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 15:54:34 2022
 Response via : Initial Calibration

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

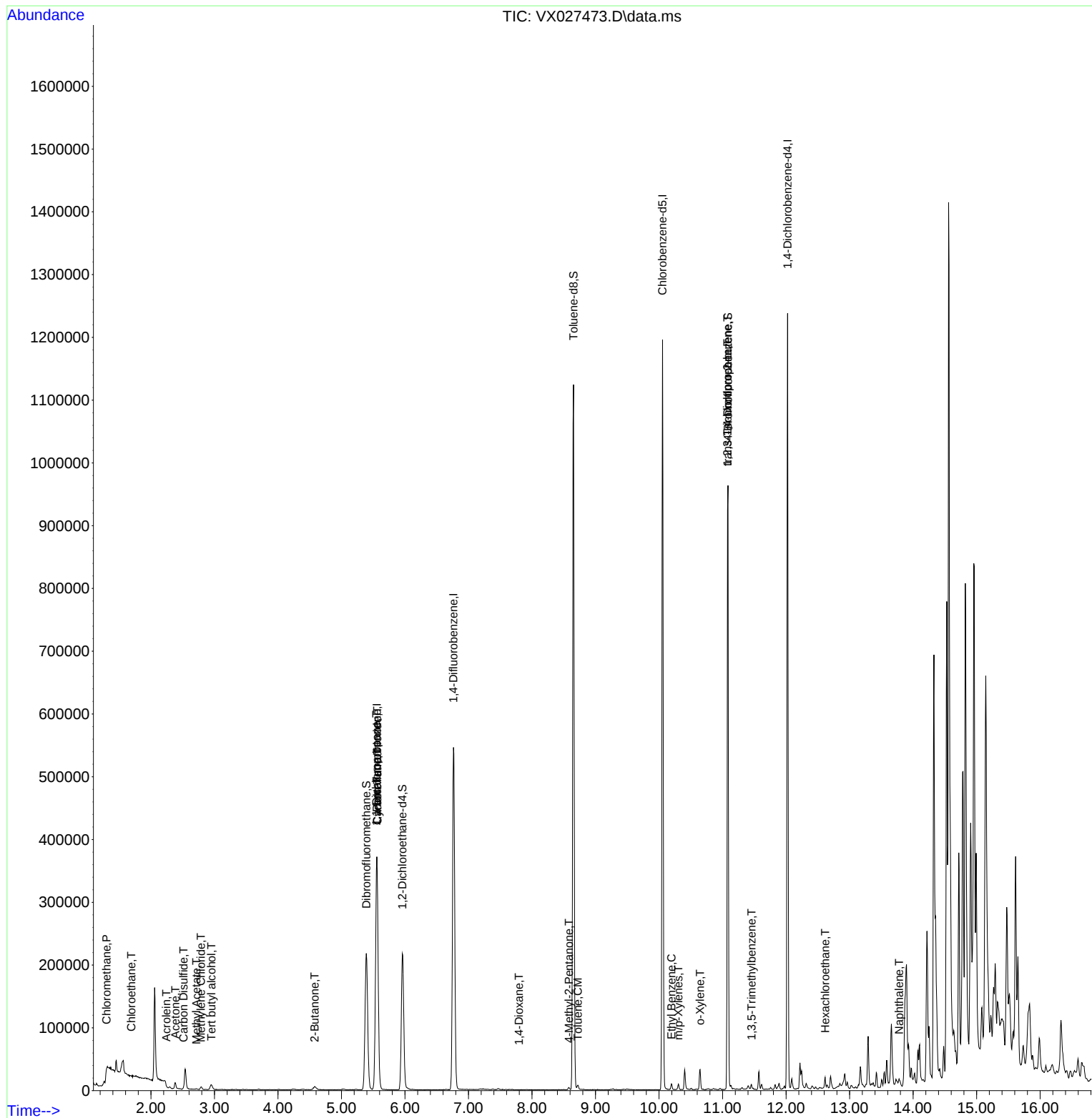
Internal Standards						
1) Pentafluorobenzene	5.556	168	360592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	588159	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	541890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	254259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	217665	51.763	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.520%	
35) Dibromofluoromethane	5.391	113	191925	50.571	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.140%	
50) Toluene-d8	8.653	98	684857	47.799	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 95.600%	
62) 4-Bromofluorobenzene	11.085	95	261108	47.815	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 95.640%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	1257	0.323	ug/l #	41
5) Bromomethane	1.612	94	622	Below Cal	#	64
6) Chloroethane	1.691	64	350	0.591	ug/l #	86
11) Tert butyl alcohol	2.953	59	5769	6.998	ug/l #	87
13) Acrolein	2.239	56	1315	2.276	ug/l #	69
16) Acetone	2.386	43	10571	3.640	ug/l	94
17) Carbon Disulfide	2.514	76	2511	0.264	ug/l	98
18) Methyl Acetate	2.715	43	1052	0.228	ug/l #	86
20) Methylene Chloride	2.788	84	1885	0.459	ug/l	95
25) 2-Butanone	4.574	43	2853	0.985	ug/l #	71
31) Cyclohexane	5.562	56	6689	1.137	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	25476	4.835	ug/l #	50
38) Carbon Tetrachloride	5.562	117	35058	6.434	ug/l #	15
49) 1,4-Dioxane	7.793	88	25	0.229	ug/l #	1
51) 4-Methyl-2-Pentanone	8.580	43	2179	0.389	ug/l	86
52) Toluene	8.720	92	2607	0.255	ug/l	99
67) Ethyl Benzene	10.195	91	5303	0.270	ug/l	93
68) m/p-Xylenes	10.305	106	2071	0.269	ug/l	90
69) o-Xylene	10.647	106	7343	0.964	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	128706	23.072	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	3497	0.219	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	128706	74.616	ug/l #	15
90) Hexachloroethane	12.616	117	851	0.336	ug/l #	10
95) Naphthalene	13.780	128	7412	0.387	ug/l #	91

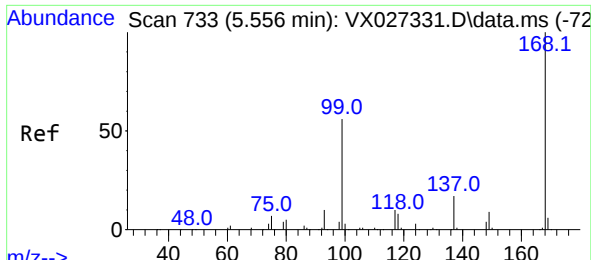
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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3222RE

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QLast Update : Tue Mar 08 15:54:34 2022
Response via : Initial Calibration

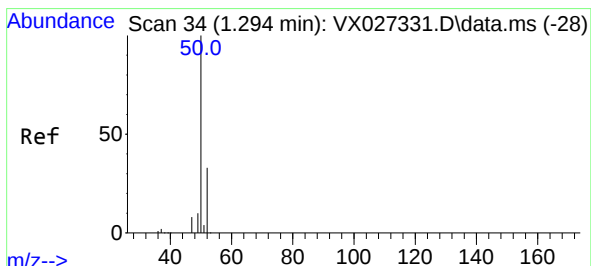
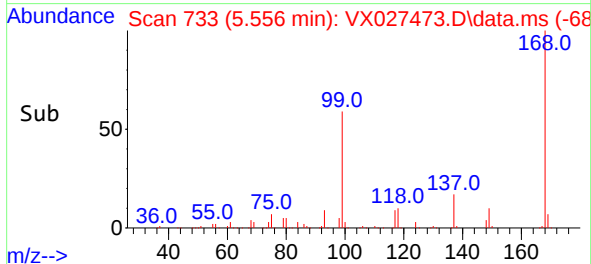
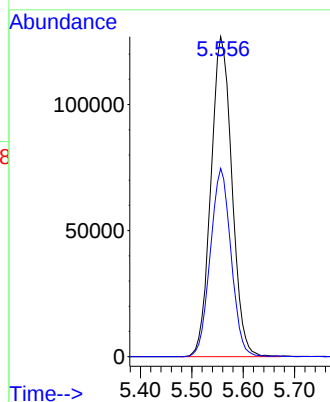
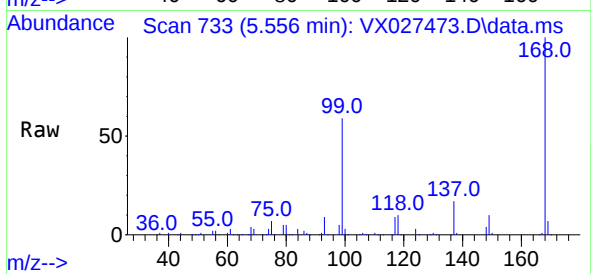




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

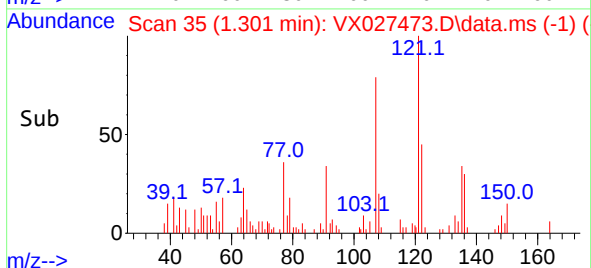
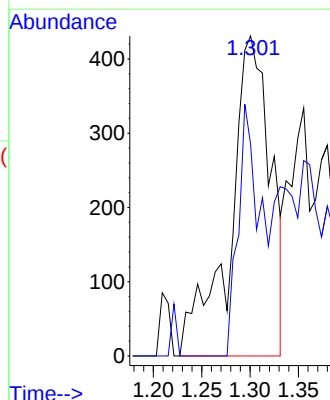
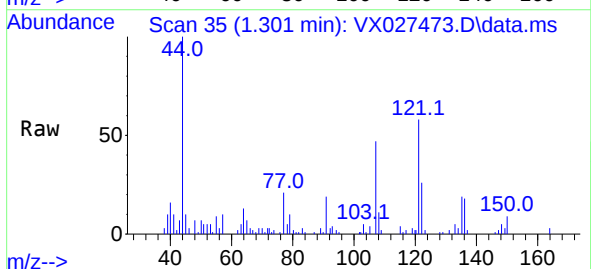
Instrument :
MSVOA_X
ClientSampleId :
3222RE

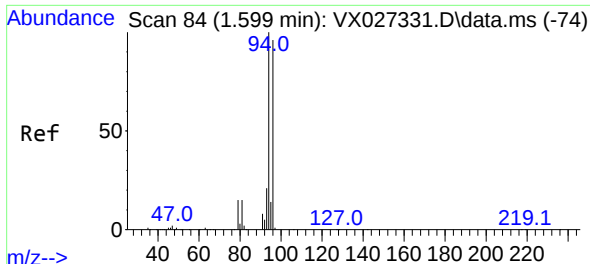
Tgt Ion:168 Resp: 360592
Ion Ratio Lower Upper
168 100
99 58.8 41.7 62.5



#3
Chloromethane
Concen: 0.323 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

Tgt Ion: 50 Resp: 1257
Ion Ratio Lower Upper
50 100
52 66.1 26.4 39.6#

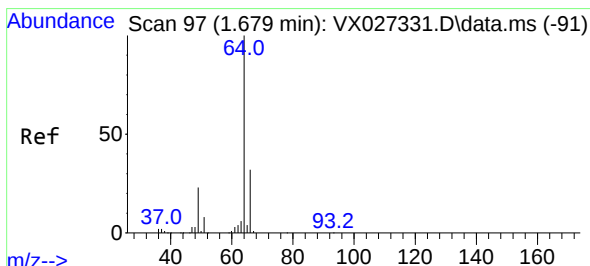
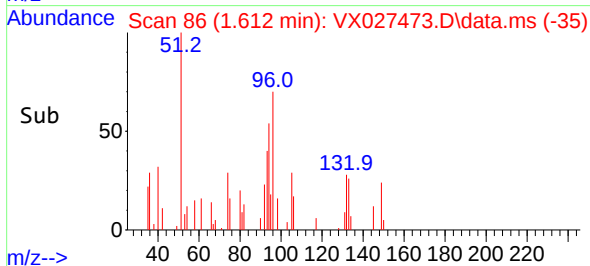
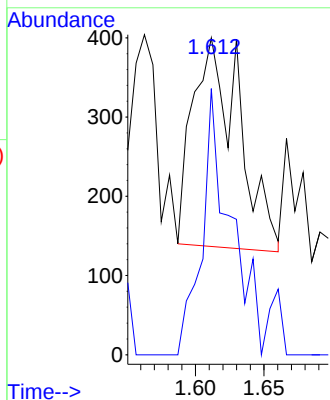
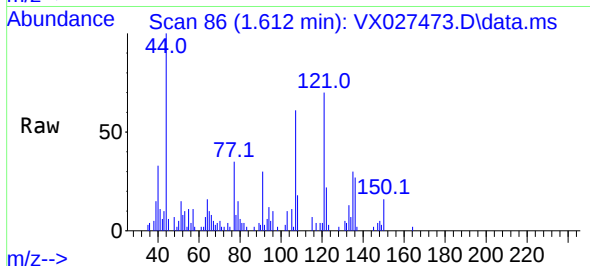




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

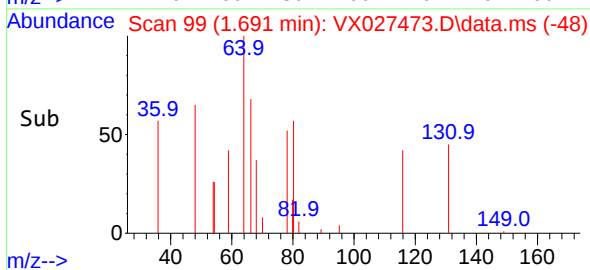
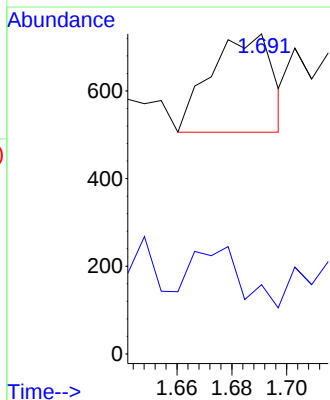
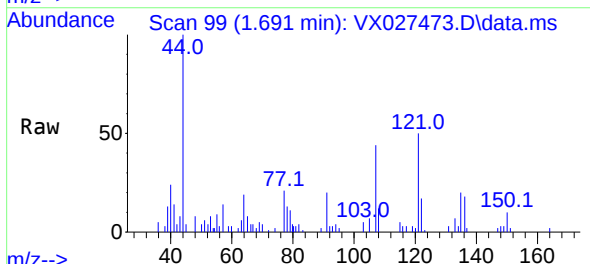
Instrument :
MSVOA_X
ClientSampleId :
3222RE

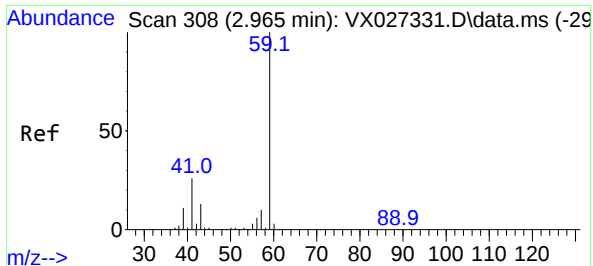
Tgt Ion: 94 Resp: 622
Ion Ratio Lower Upper
94 100
96 129.2 75.3 112.9#



#6
Chloroethane
Concen: 0.591 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

Tgt Ion: 64 Resp: 350
Ion Ratio Lower Upper
64 100
66 23.7 25.3 37.9#

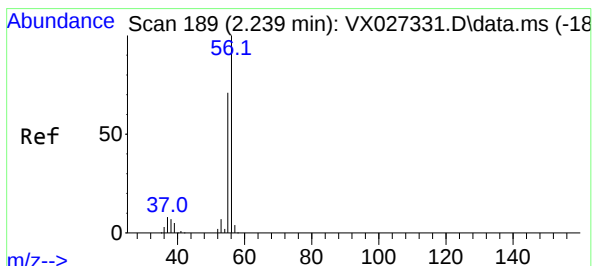
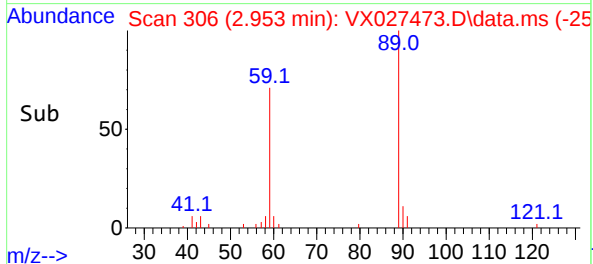
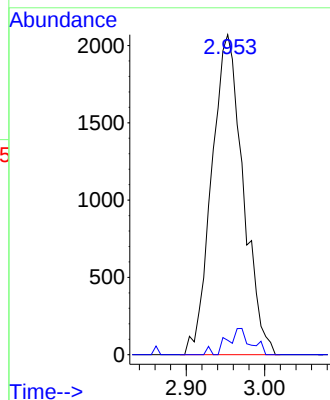
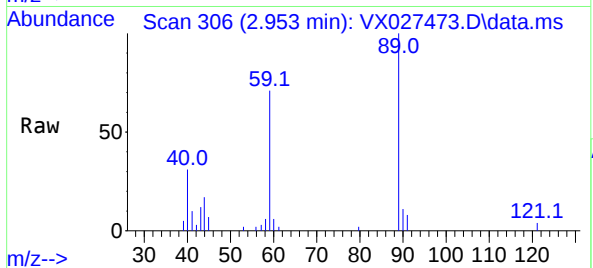




#11
Tert butyl alcohol
Concen: 6.998 ug/l
RT: 2.953 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

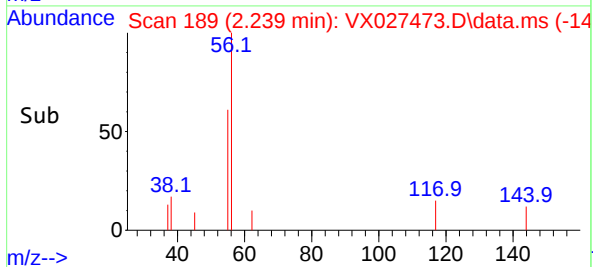
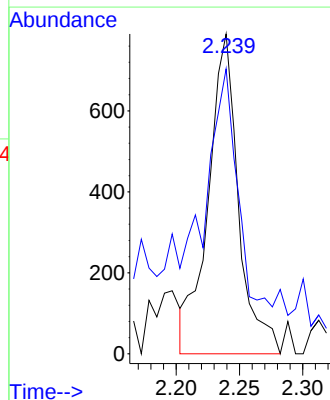
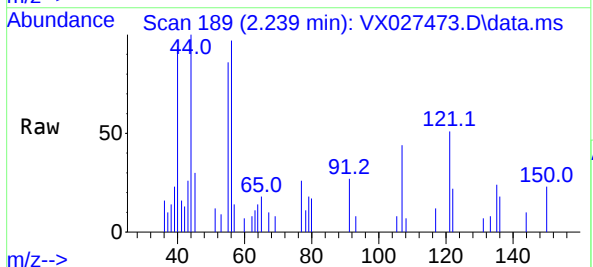
Instrument :
MSVOA_X
ClientSampleId :
3222RE

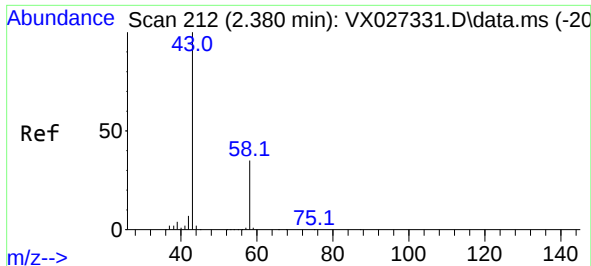
Tgt Ion: 59 Resp: 5769
Ion Ratio Lower Upper
59 100
57 5.7 8.3 12.5#



#13
Acrolein
Concen: 2.276 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

Tgt Ion: 56 Resp: 1315
Ion Ratio Lower Upper
56 100
55 94.0 55.0 82.6#

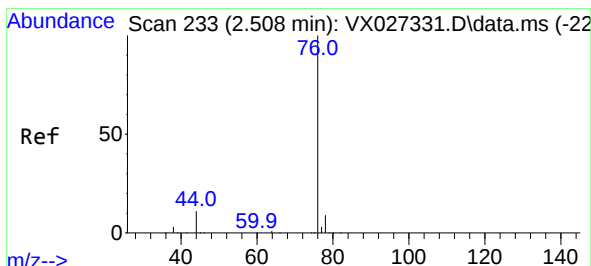
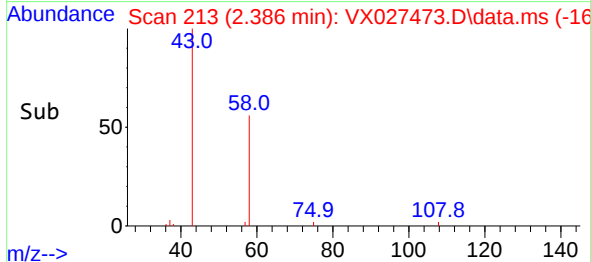
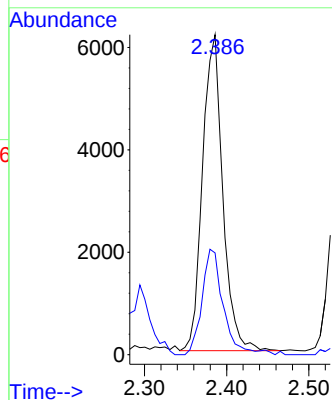
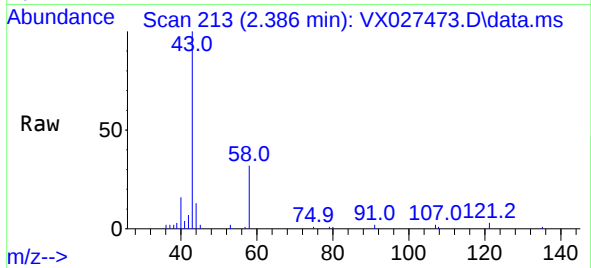




#16
Acetone
Concen: 3.640 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

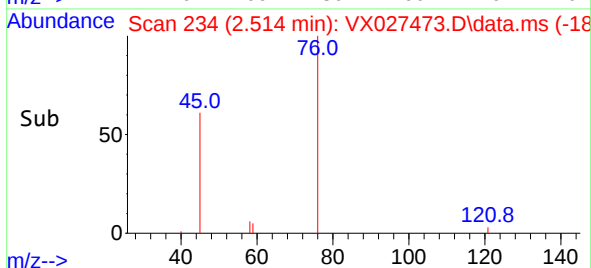
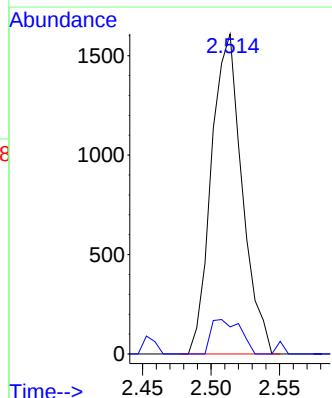
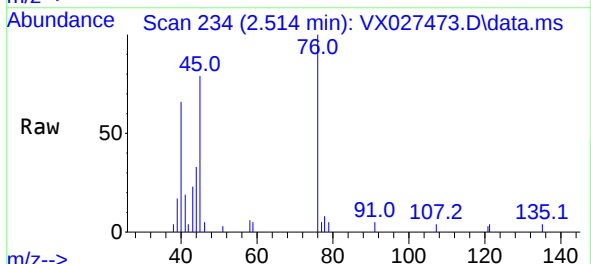
Instrument :
MSVOA_X
ClientSampleId :
3222RE

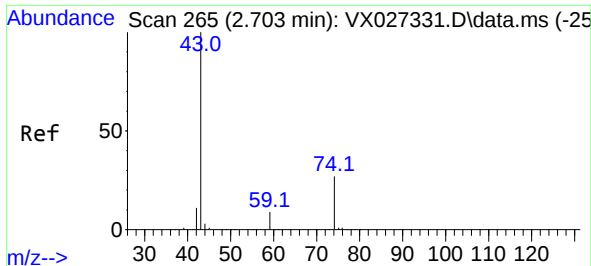
Tgt Ion: 43 Resp: 10571
Ion Ratio Lower Upper
43 100
58 32.2 28.8 43.2



#17
Carbon Disulfide
Concen: 0.264 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

Tgt Ion: 76 Resp: 2511
Ion Ratio Lower Upper
76 100
78 8.5 7.2 10.8

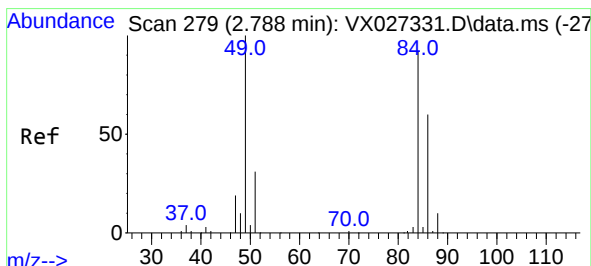
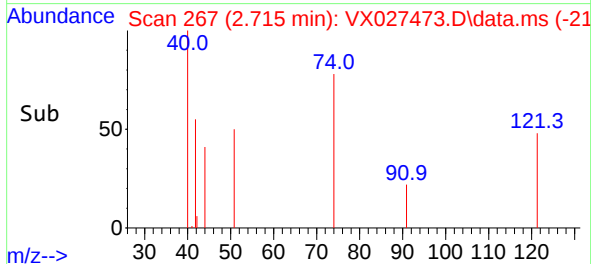
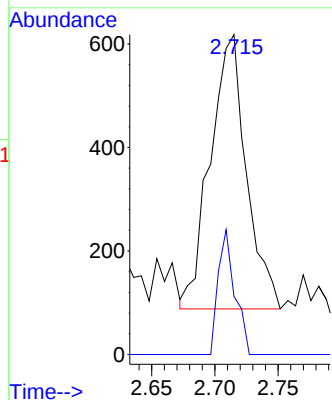
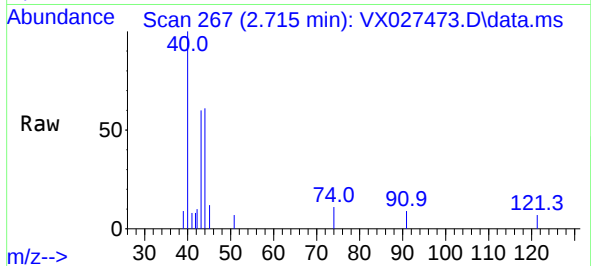




#18
Methyl Acetate
Concen: 0.228 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

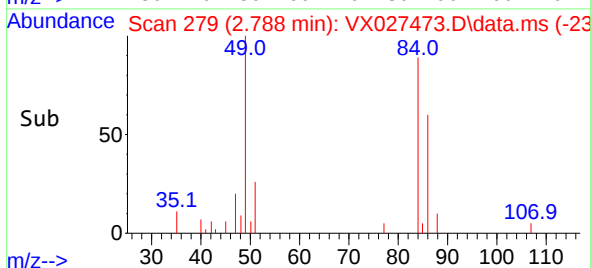
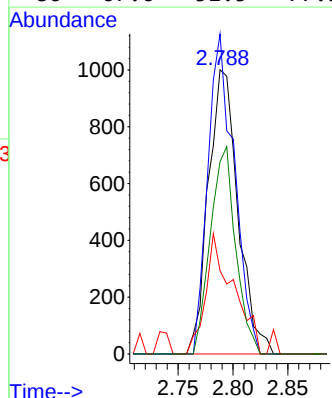
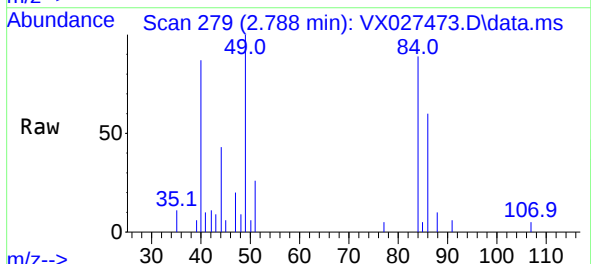
Instrument :
MSVOA_X
ClientSampleId :
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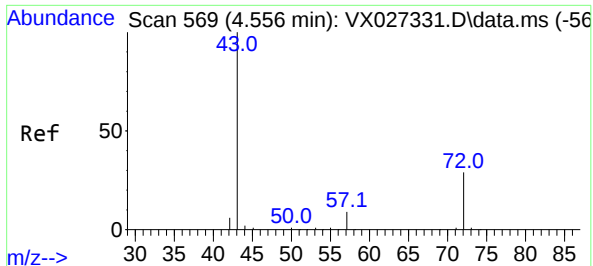
Tgt Ion: 43 Resp: 1052
Ion Ratio Lower Upper
43 100
74 20.9 22.8 34.2#



#20
Methylene Chloride
Concen: 0.459 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

Tgt Ion: 84 Resp: 1885
Ion Ratio Lower Upper
84 100
49 112.6 85.5 128.3
51 29.3 26.6 39.8
86 67.6 51.5 77.3

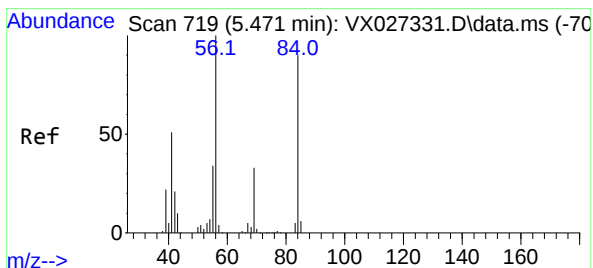
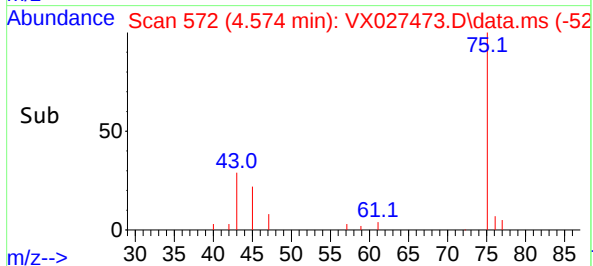
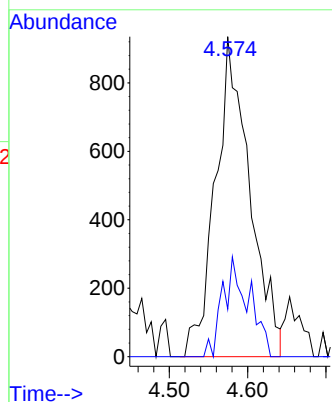
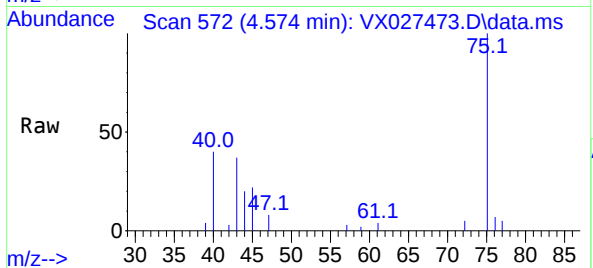




#25
2-Butanone
Concen: 0.985 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

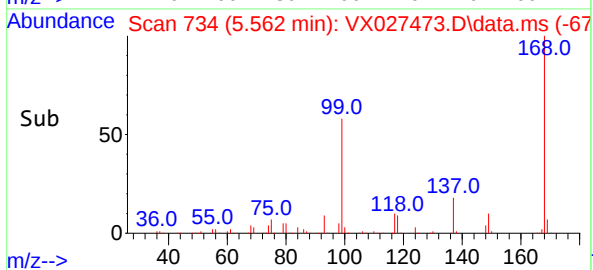
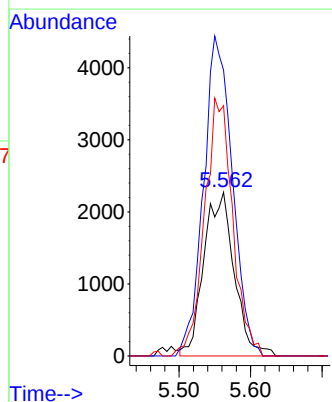
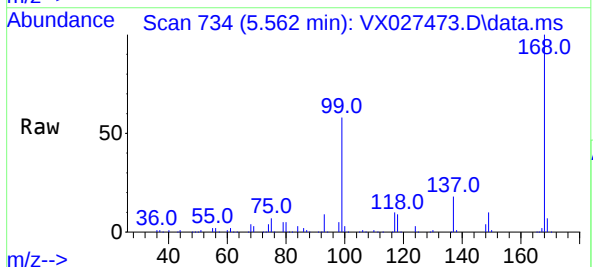
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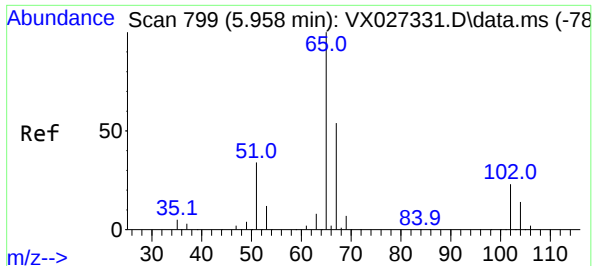
Tgt Ion: 43 Resp: 2853
Ion Ratio Lower Upper
43 100
72 14.9 24.4 36.6#



#31
Cyclohexane
Concen: 1.137 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.091 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

Tgt Ion: 56 Resp: 6689
Ion Ratio Lower Upper
56 100
69 174.7 26.7 40.1#
84 152.8 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 51.763 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027473.D

Acq: 16 Mar 2022 16:03

Instrument :

MSVOA_X

ClientSampleId :

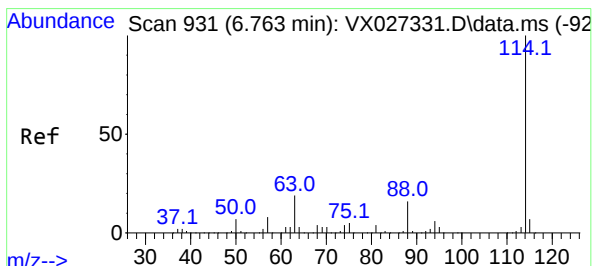
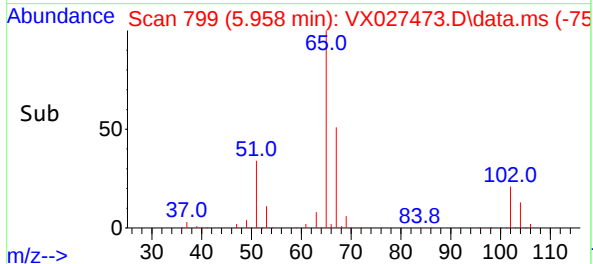
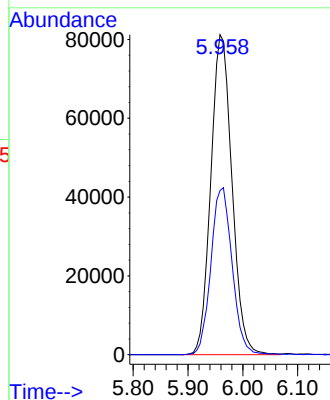
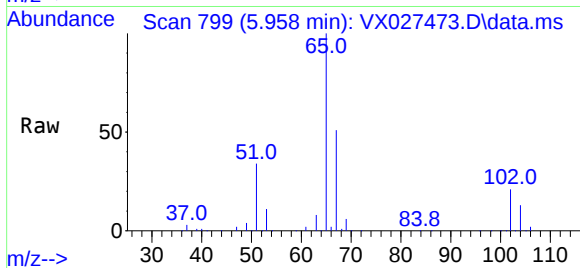
3222RE

Tgt Ion: 65 Resp: 217665

Ion Ratio Lower Upper

65 100

67 52.4 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX027473.D

Acq: 16 Mar 2022 16:03

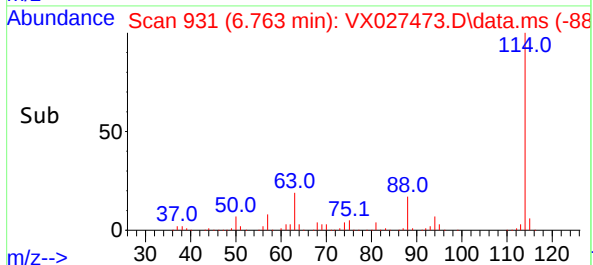
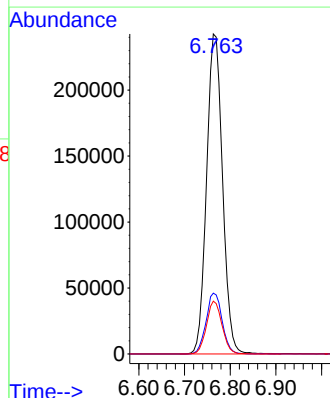
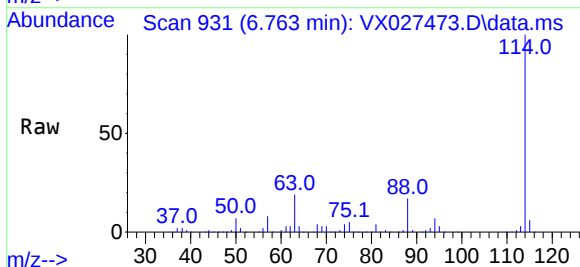
Tgt Ion: 114 Resp: 588159

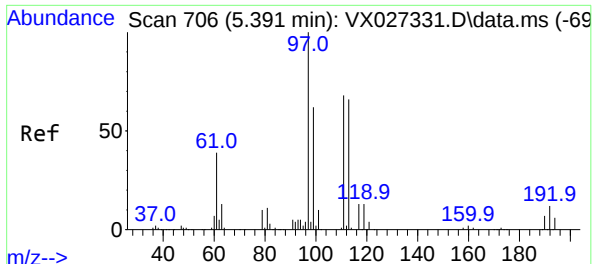
Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.8

88 16.5 0.0 32.4

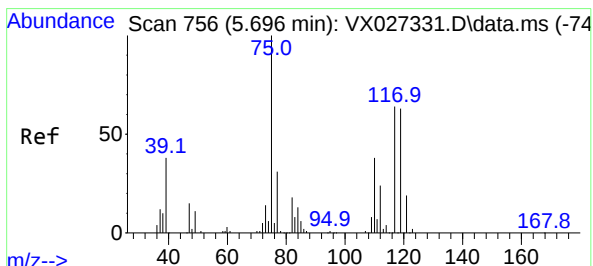
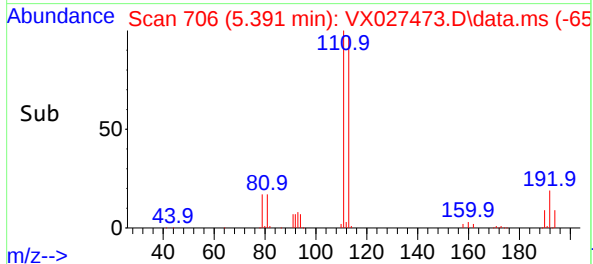
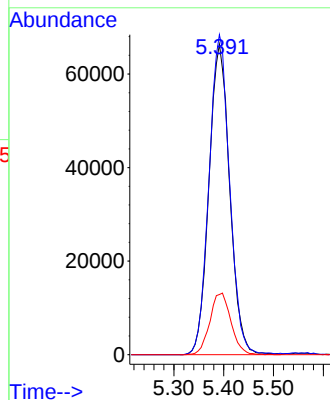
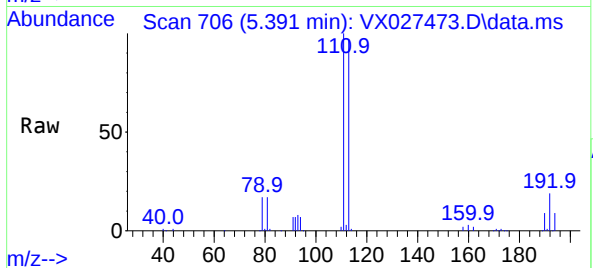




#35
Dibromofluoromethane
Concen: 50.571 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

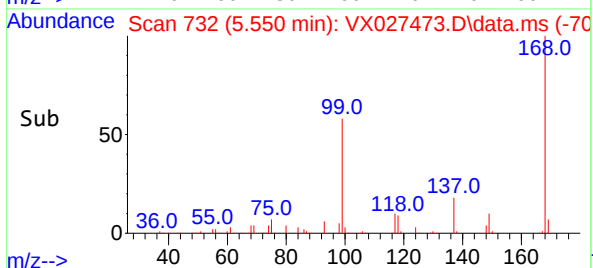
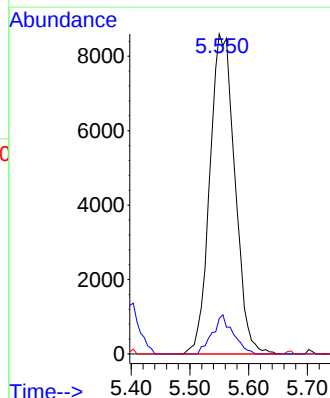
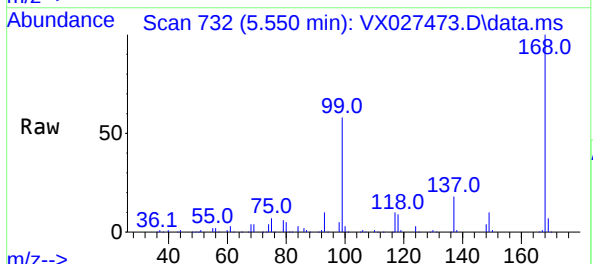
Instrument :
MSVOA_X
ClientSampleId :
3222RE

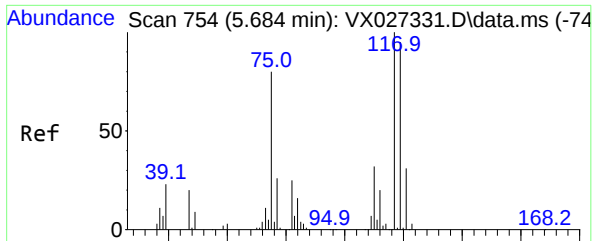
Tgt Ion:113 Resp: 191925
Ion Ratio Lower Upper
113 100
111 102.3 82.8 124.2
192 20.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.835 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

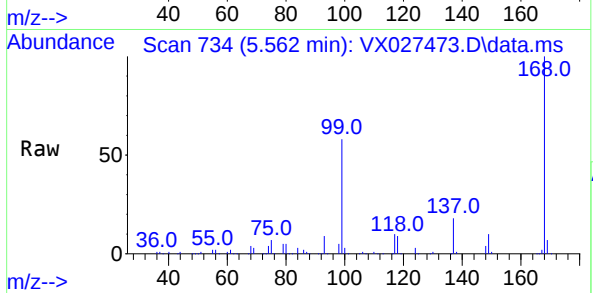
Tgt Ion: 75 Resp: 25476
Ion Ratio Lower Upper
75 100
110 10.1 18.3 54.8#
77 0.0 24.8 37.2#



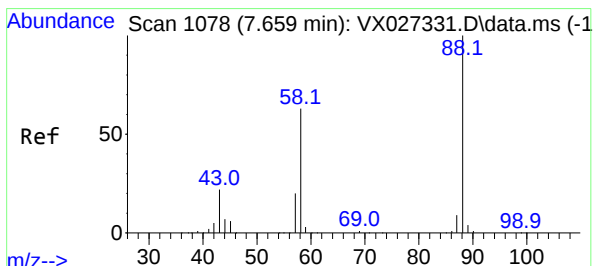
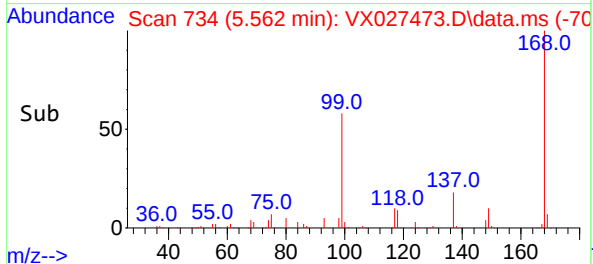
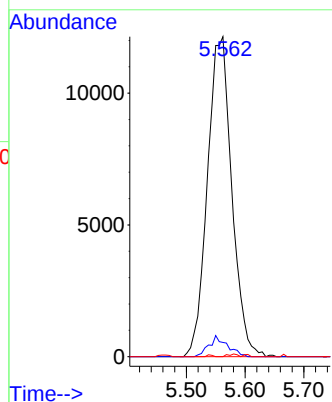


#38
Carbon Tetrachloride
Concen: 6.434 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

Instrument :
MSVOA_X
ClientSampleId :
3222RE

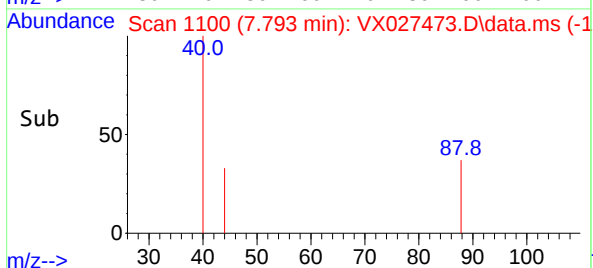
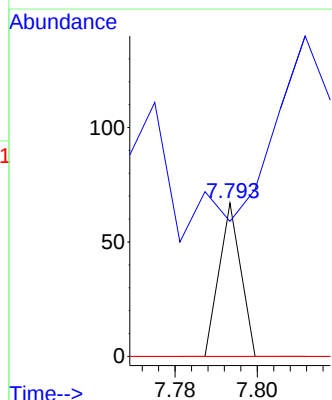
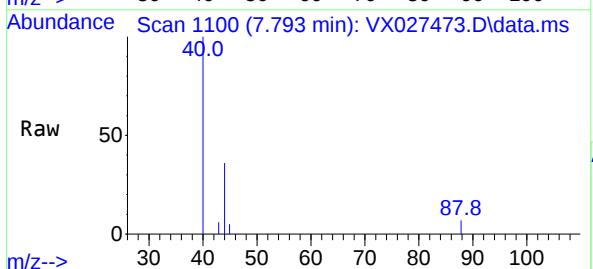


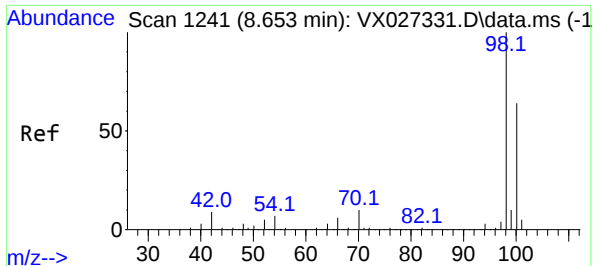
Tgt Ion:117 Resp: 35058
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 0.229 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 972.0 21.9 32.9#
58 0.0 53.7 80.5#

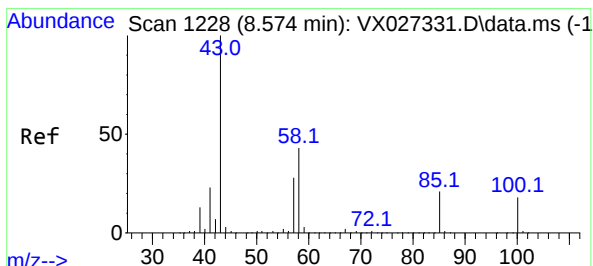
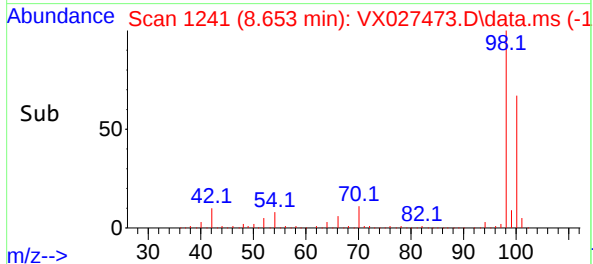
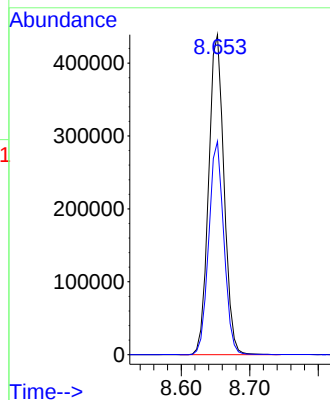
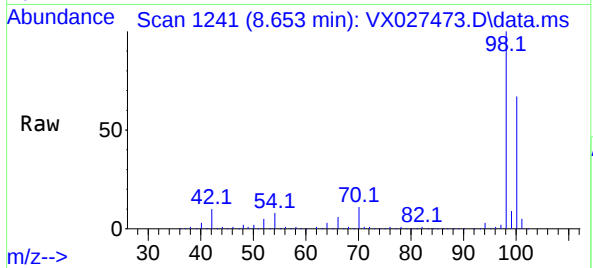




#50
Toluene-d8
Concen: 47.799 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

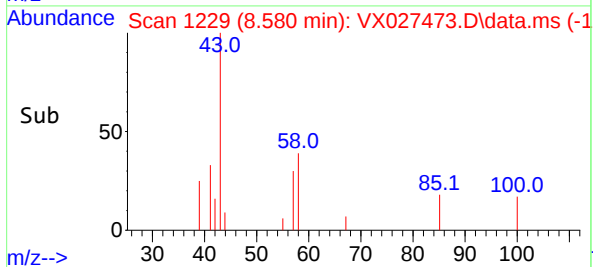
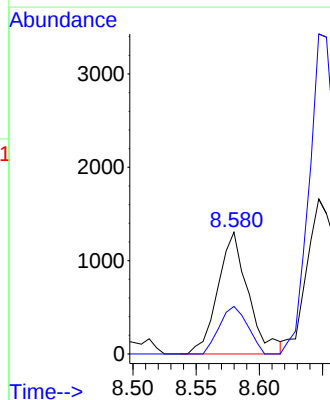
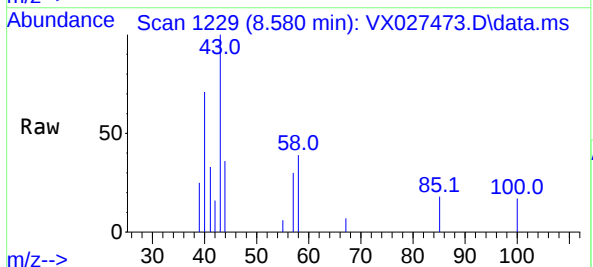
Instrument :
MSVOA_X
ClientSampleId :
3222RE

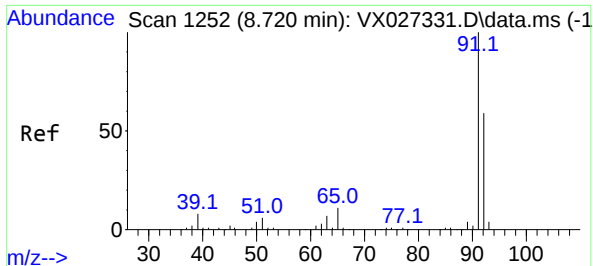
Tgt Ion: 98 Resp: 684857
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.389 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

Tgt Ion: 43 Resp: 2179
Ion Ratio Lower Upper
43 100
58 36.2 36.1 54.1

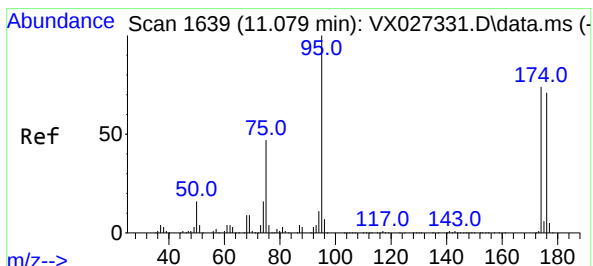
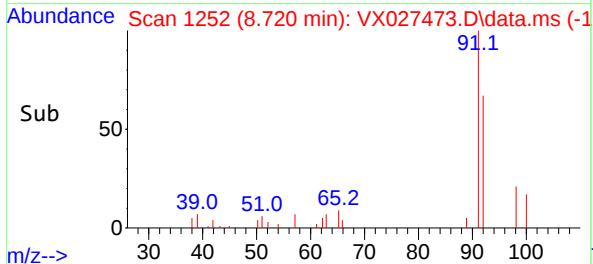
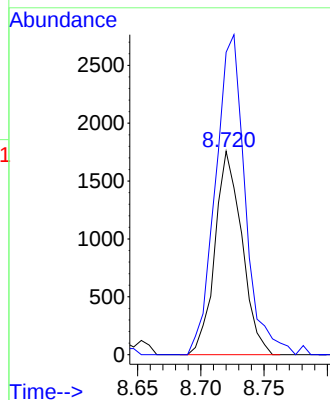
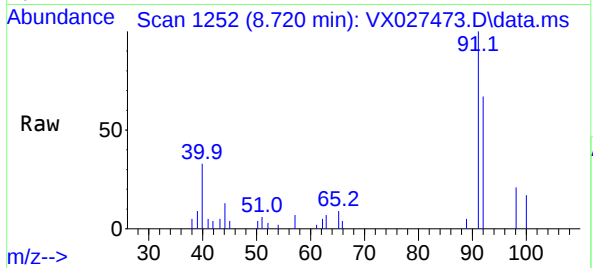




#52
Toluene
Concen: 0.255 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

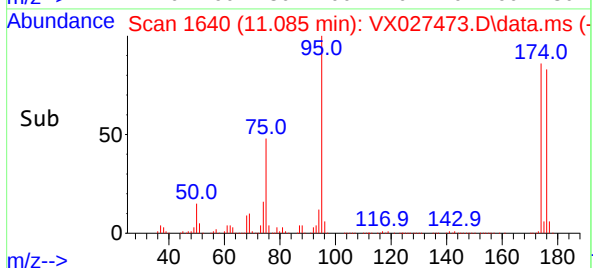
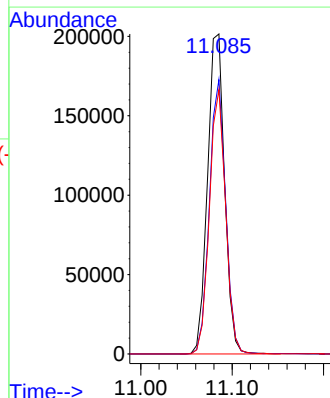
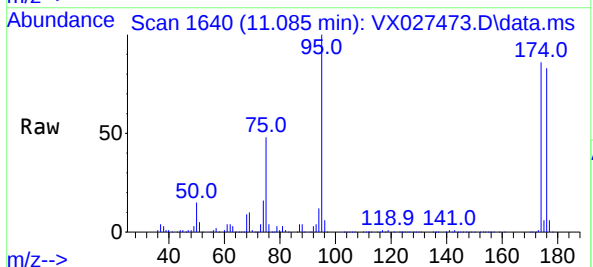
Instrument :
MSVOA_X
ClientSampleId :
3222RE

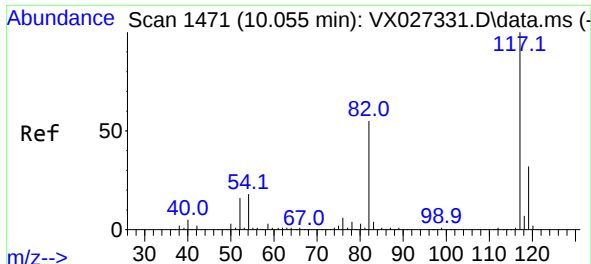
Tgt Ion: 92 Resp: 2607
Ion Ratio Lower Upper
92 100
91 173.7 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 47.815 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

Tgt Ion: 95 Resp: 261108
Ion Ratio Lower Upper
95 100
174 81.6 0.0 163.0
176 78.4 0.0 155.0

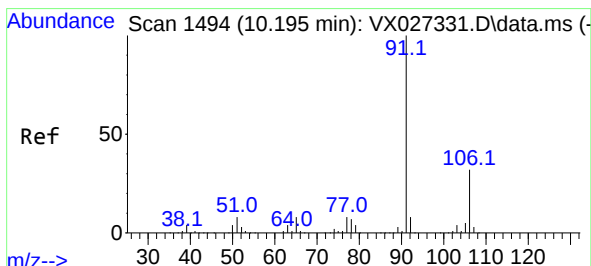
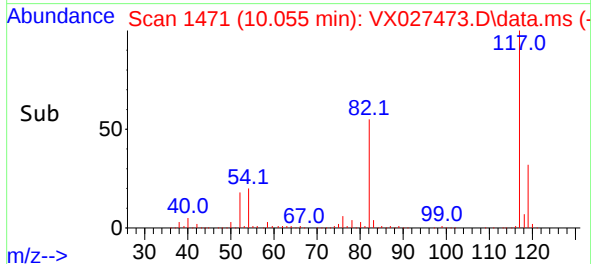
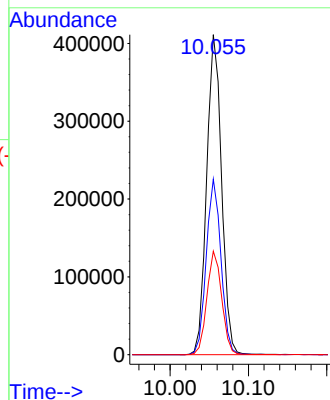
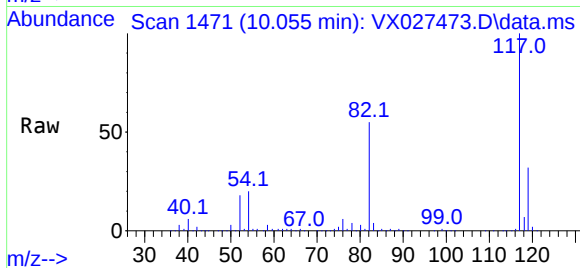




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

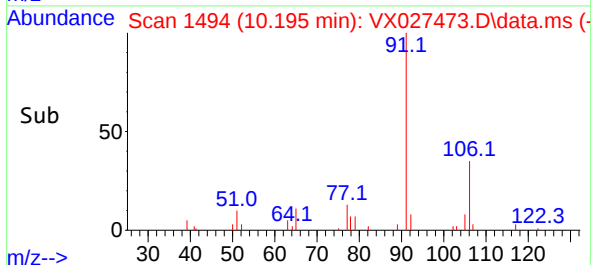
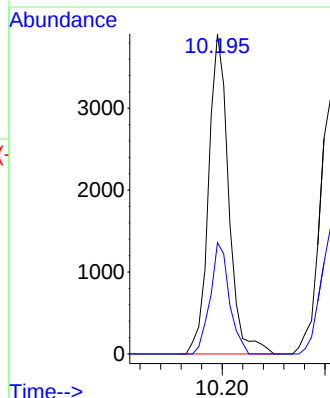
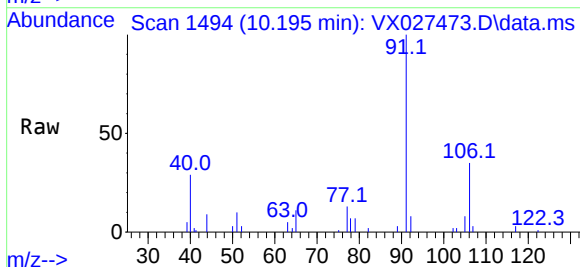
Instrument :
MSVOA_X
ClientSampleId :
3222RE

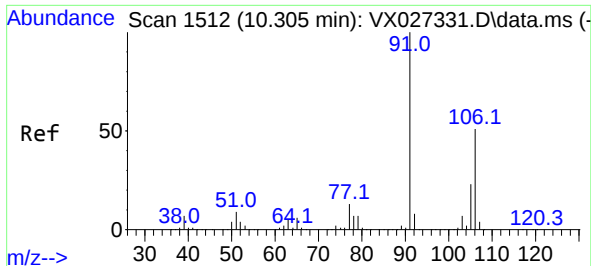
Tgt Ion:117 Resp: 541890
Ion Ratio Lower Upper
117 100
82 54.9 41.8 62.8
119 32.4 24.8 37.2



#67
Ethyl Benzene
Concen: 0.270 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

Tgt Ion: 91 Resp: 5303
Ion Ratio Lower Upper
91 100
106 34.8 24.6 36.8

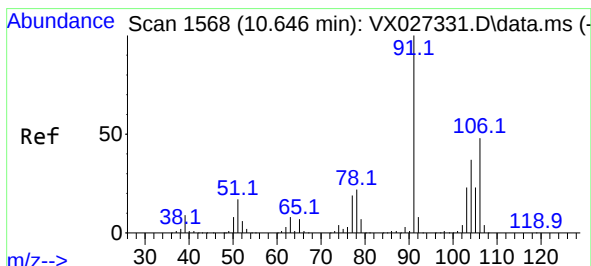
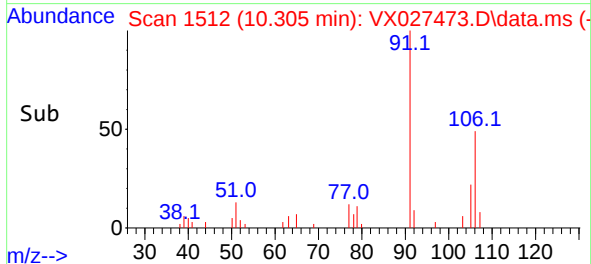
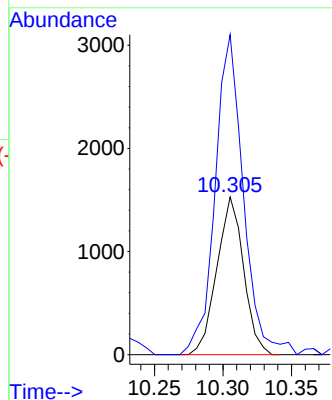
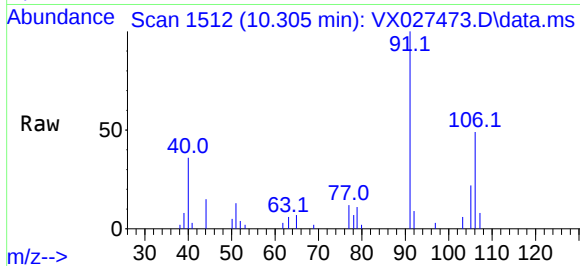




#68
m/p-Xylenes
Concen: 0.269 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

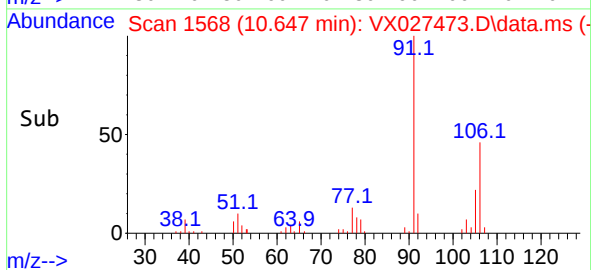
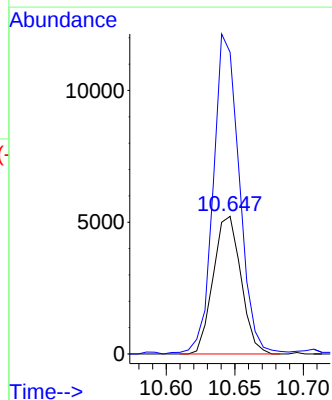
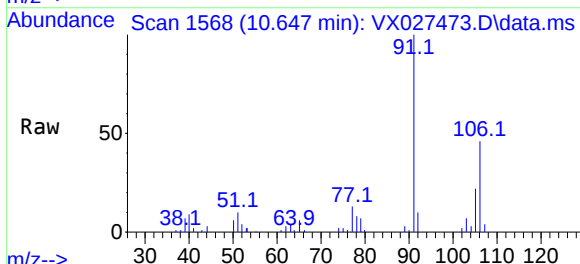
Instrument :
MSVOA_X
ClientSampleId :
3222RE

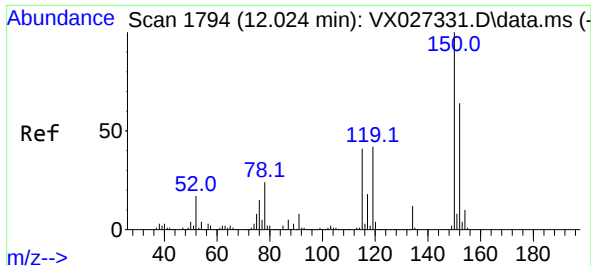
Tgt Ion:106 Resp: 2071
Ion Ratio Lower Upper
106 100
91 215.5 160.4 240.6



#69
o-Xylene
Concen: 0.964 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

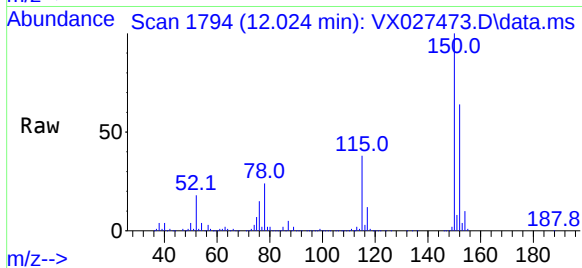
Tgt Ion:106 Resp: 7343
Ion Ratio Lower Upper
106 100
91 218.7 106.1 318.1



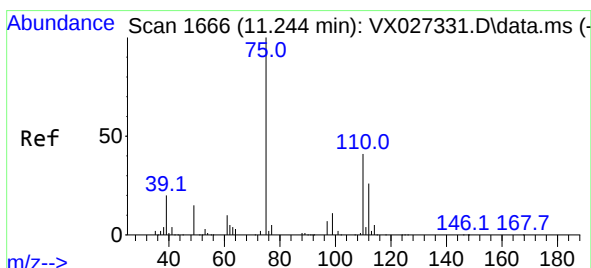
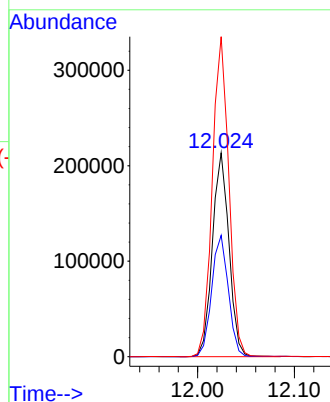
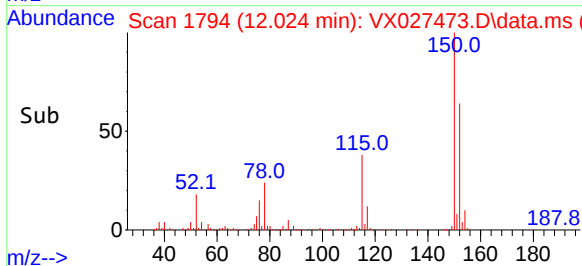


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

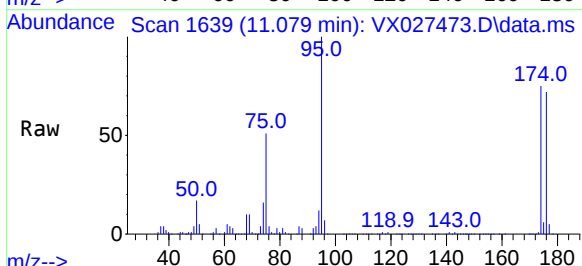
Instrument :
MSVOA_X
ClientSampleId :
3222RE



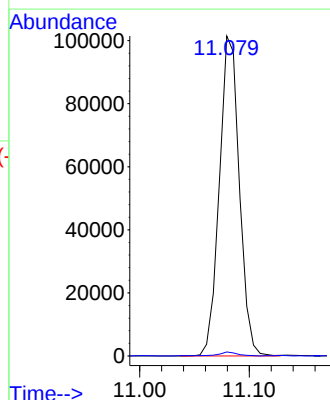
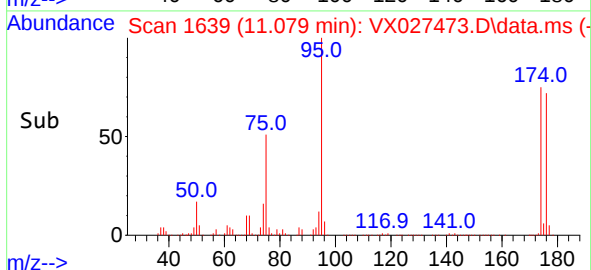
Tgt Ion:152 Resp: 254259
Ion Ratio Lower Upper
152 100
115 59.9 37.5 112.7
150 156.9 0.0 338.2

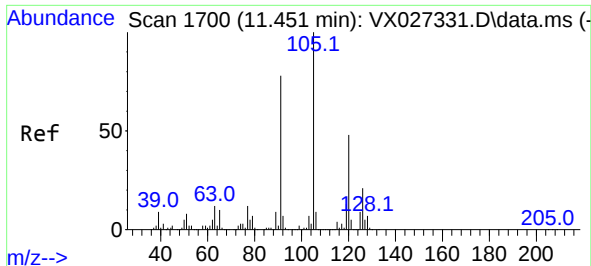


#76
1,2,3-Trichloropropane
Concen: 23.072 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03



Tgt Ion: 75 Resp: 128706
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#

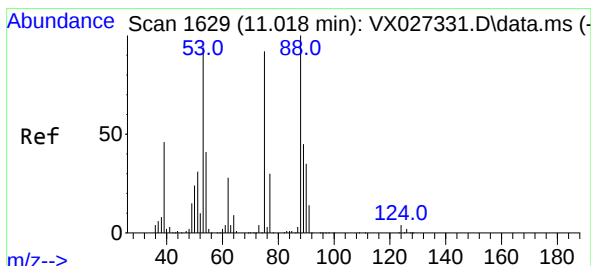
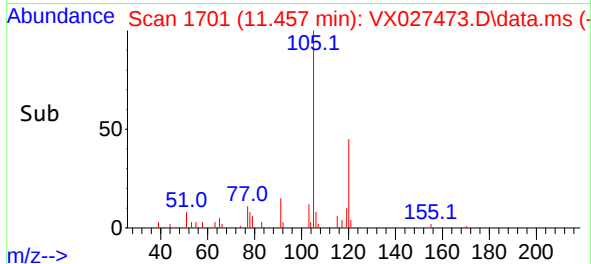
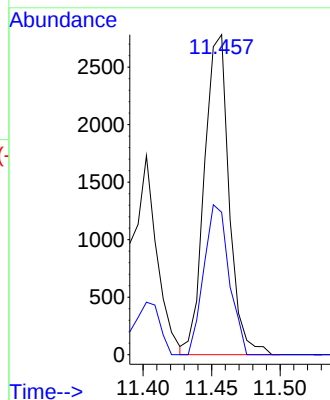
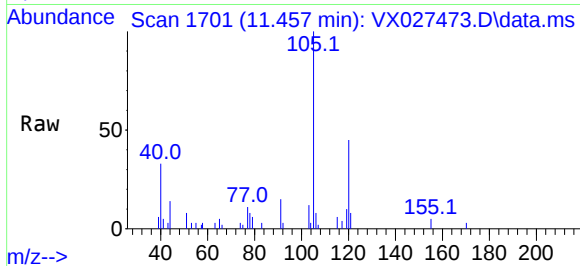




#80
1,3,5-Trimethylbenzene
Concen: 0.219 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

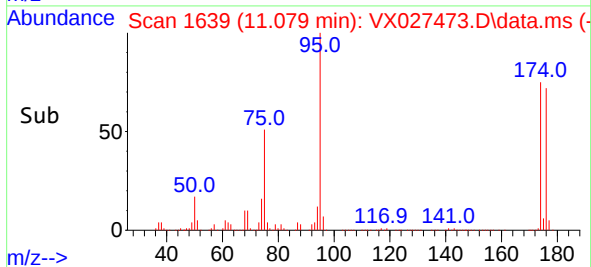
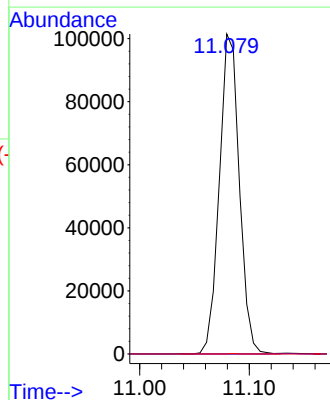
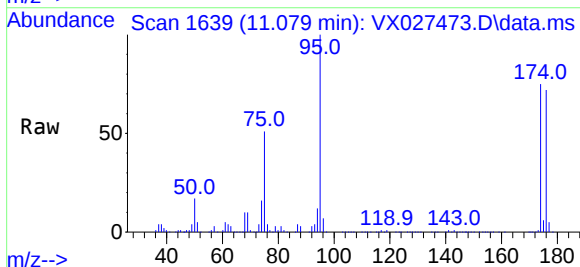
Instrument :
MSVOA_X
ClientSampleId :
3222RE

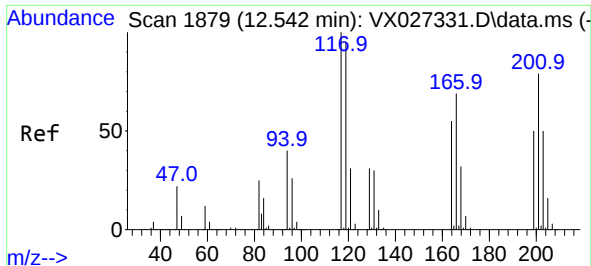
Tgt Ion:105 Resp: 3497
Ion Ratio Lower Upper
105 100
120 47.7 24.3 72.9



#81
trans-1,4-Dichloro-2-butene
Concen: 74.616 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

Tgt Ion: 75 Resp: 128706
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

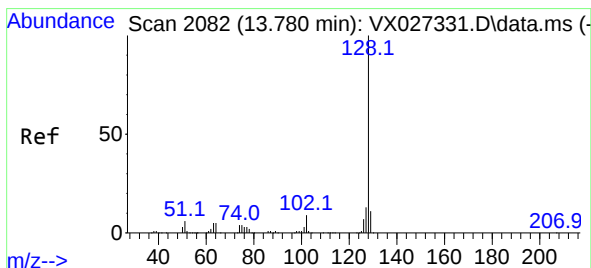
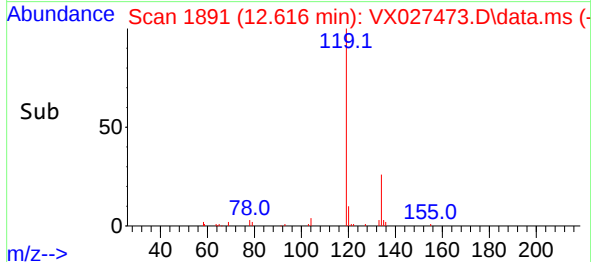
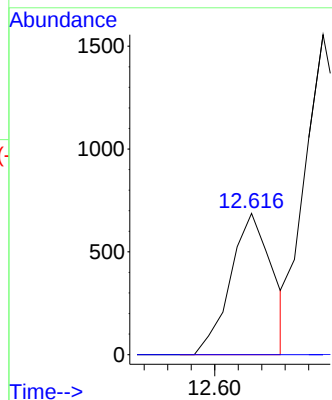
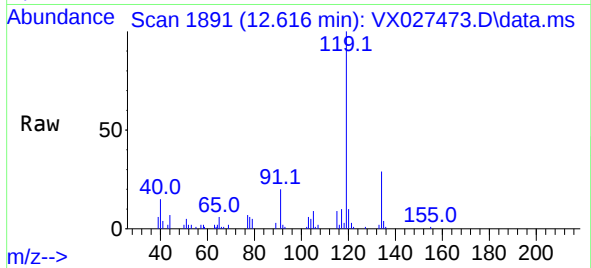




#90
Hexachloroethane
Concen: 0.336 ug/l
RT: 12.616 min Scan# 1879
Delta R.T. 0.074 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

Instrument :
MSVOA_X
ClientSampleId :
3222RE

Tgt Ion:117 Resp: 851
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#



#95
Naphthalene
Concen: 0.387 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX027473.D
Acq: 16 Mar 2022 16:03

Tgt Ion:128 Resp: 7412
Ion Ratio Lower Upper
128 100
127 15.9 10.2 15.4#
129 14.9 8.7 13.1#

