

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101322\
 Data File : VX032120.D
 Acq On : 13 Oct 2022 19:17
 Operator : JC/MD
 Sample : N5046-23RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 R-4RE

Quant Time: Oct 14 07:53:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

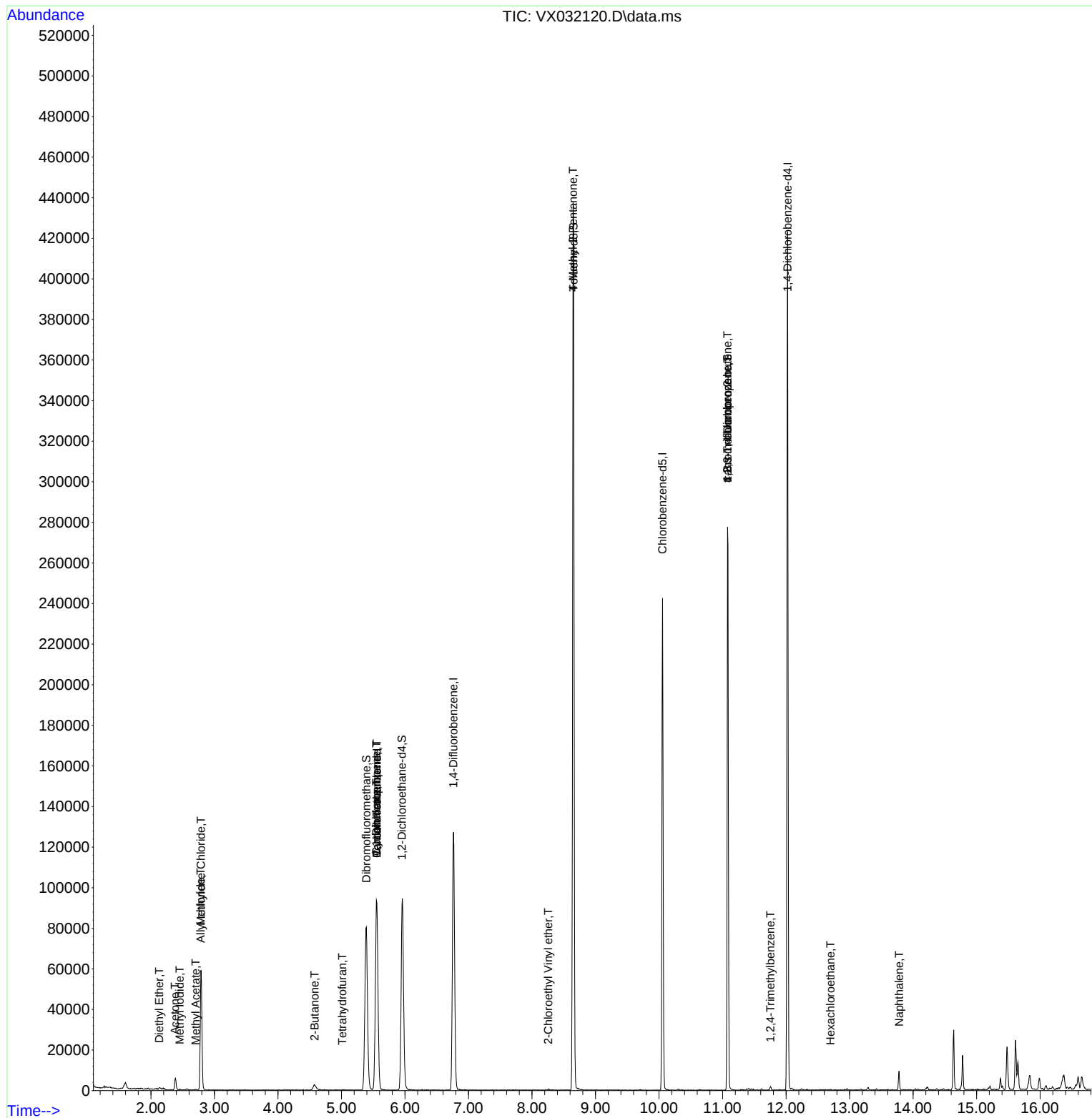
Internal Standards						
1) Pentafluorobenzene	5.556	168	84421	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	126865	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	104671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92987	53.334	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.660%			
35) Dibromofluoromethane	5.391	113	67560	47.046	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.100%			
50) Toluene-d8	8.653	98	254642	49.279	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.560%			
62) 4-Bromofluorobenzene	11.079	95	73832	40.416	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 80.840%#			
Target Compounds						
5) Bromomethane	1.617	94	361	Below Cal		82
8) Diethyl Ether	2.130	74	200	0.212 ug/l #		1
10) Methyl Iodide	2.453	142	282	2.942 ug/l #		79
14) Allyl chloride	2.782	41	765	0.418 ug/l #		22
16) Acetone	2.380	43	6369	10.749 ug/l		94
18) Methyl Acetate	2.703	43	413	0.211 ug/l #		74
20) Methylene Chloride	2.788	84	25832	16.590 ug/l		92
25) 2-Butanone	4.574	43	939	1.014 ug/l #		84
29) Tetrahydrofuran	5.013	42	149	0.249 ug/l #		32
31) Cyclohexane	5.550	56	2212	1.062 ug/l #		1
36) 1,1-Dichloropropene	5.550	75	7316	3.842 ug/l #		47
38) Carbon Tetrachloride	5.556	117	9665	4.964 ug/l #		18
51) 4-Methyl-2-Pentanone	8.647	43	1357	0.753 ug/l #		1
58) 2-Chloroethyl Vinyl ether	8.257	63	221	0.217 ug/l #		46
76) 1,2,3-Trichloropropane	11.079	75	38840	23.621 ug/l #		36
81) trans-1,4-Dichloro-2-b...	11.079	75	38840	81.390 ug/l #		11
84) 1,2,4-Trimethylbenzene	11.756	105	1081	0.212 ug/l		91
90) Hexachloroethane	12.701	117	200	1.545 ug/l #		15
95) Naphthalene	13.780	128	6006	1.023 ug/l		98

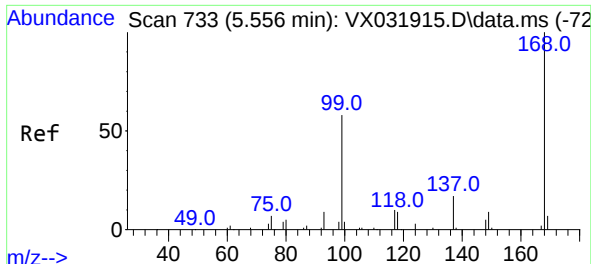
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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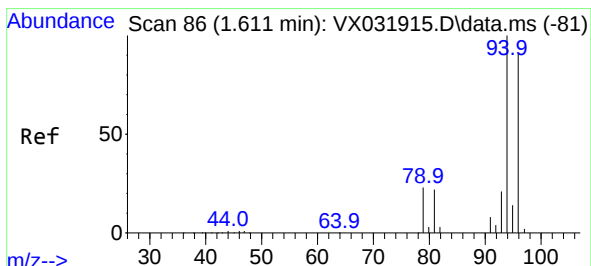
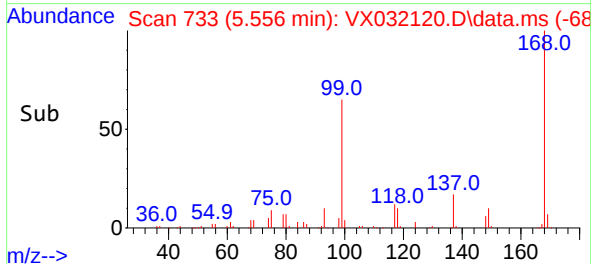
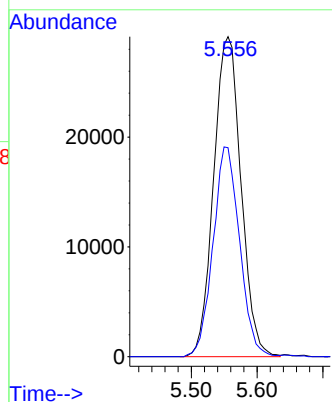
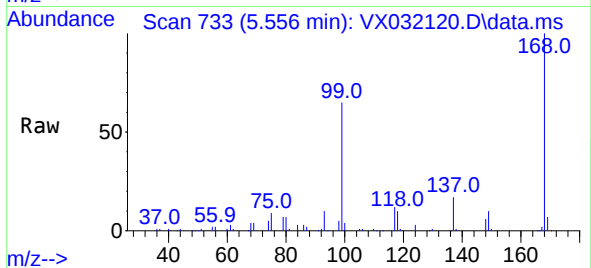




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032120.D
Acq: 13 Oct 2022 19:17

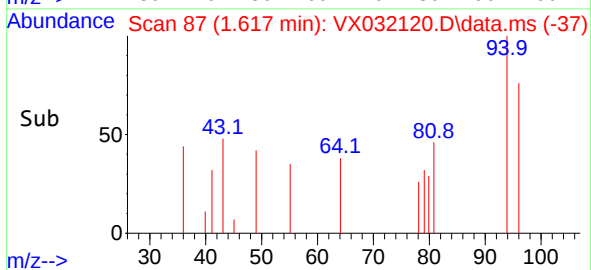
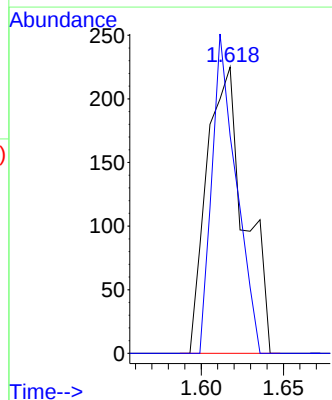
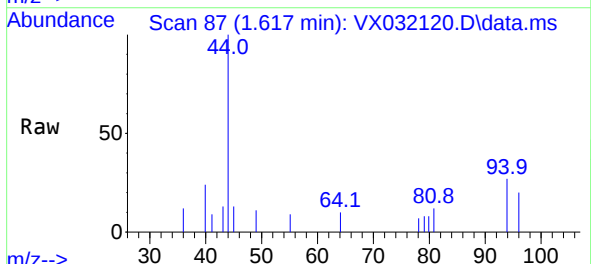
Instrument :
MSVOA_X
ClientSampleId :
R-4RE

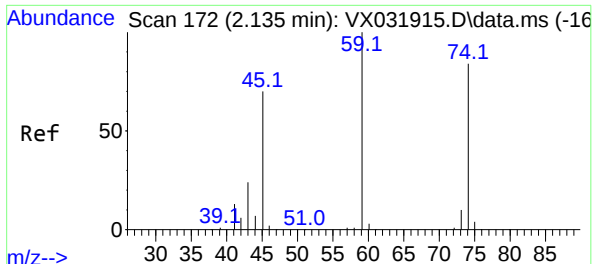
Tgt Ion:168 Resp: 84421
Ion Ratio Lower Upper
168 100
99 65.3 48.8 73.2



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX032120.D
Acq: 13 Oct 2022 19:17

Tgt Ion: 94 Resp: 361
Ion Ratio Lower Upper
94 100
96 76.0 74.4 111.6

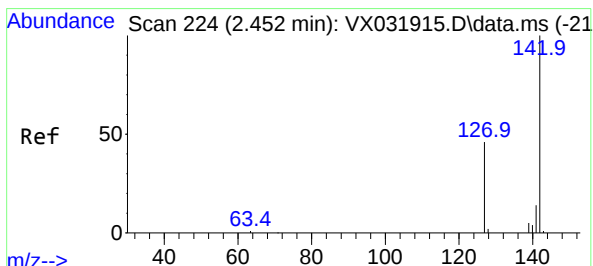
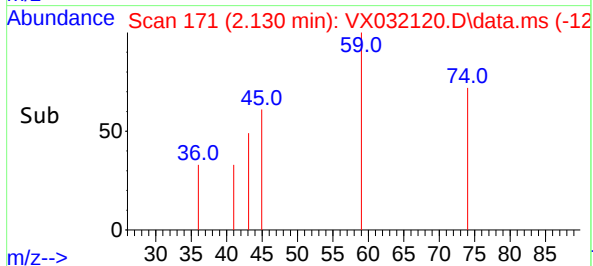
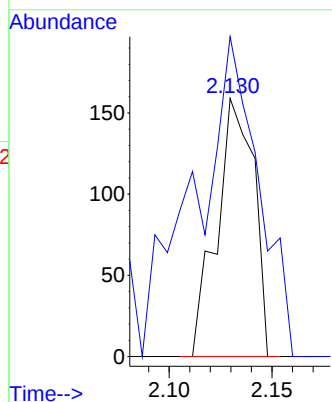
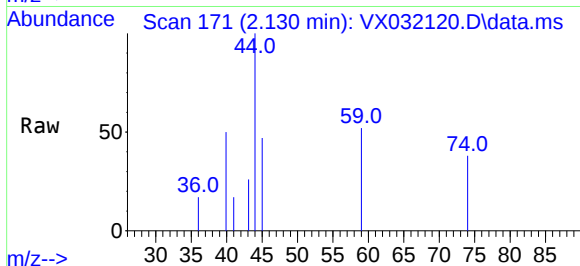




#8
Diethyl Ether
Concen: 0.212 ug/l
RT: 2.130 min Scan# 11
Delta R.T. -0.005 min
Lab File: VX032120.D
Acq: 13 Oct 2022 19:17

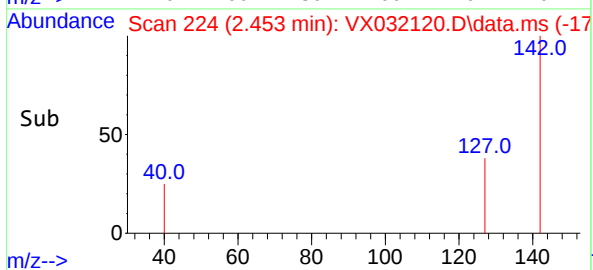
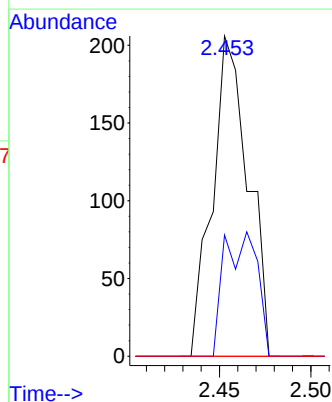
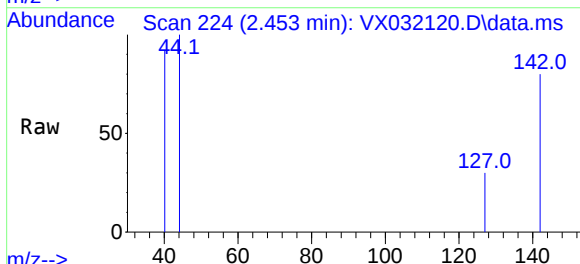
Instrument :
MSVOA_X
ClientSampleId :
R-4RE

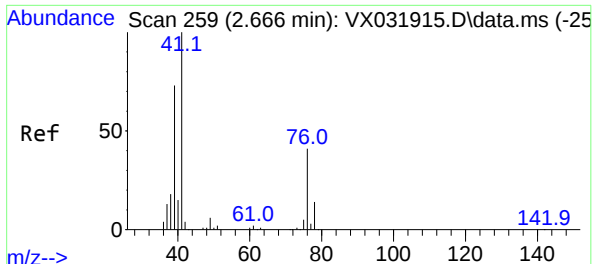
Tgt Ion: 74 Resp: 200
Ion Ratio Lower Upper
74 100
45 223.5 48.5 145.6#



#10
Methyl Iodide
Concen: 2.942 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.001 min
Lab File: VX032120.D
Acq: 13 Oct 2022 19:17

Tgt Ion: 142 Resp: 282
Ion Ratio Lower Upper
142 100
127 35.8 37.4 56.0#
141 0.0 11.6 17.4#

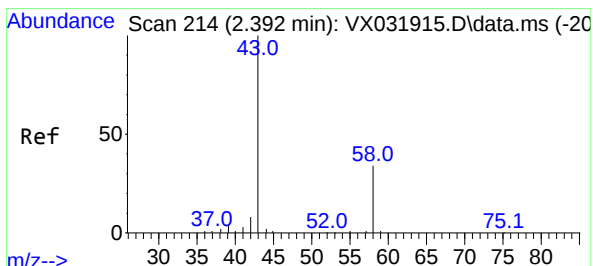
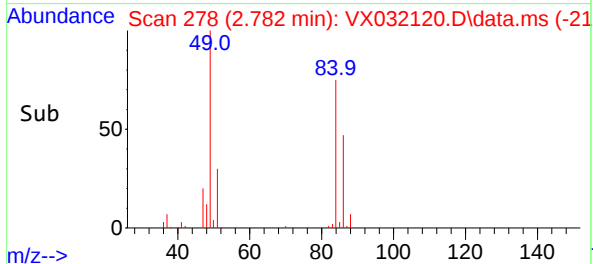
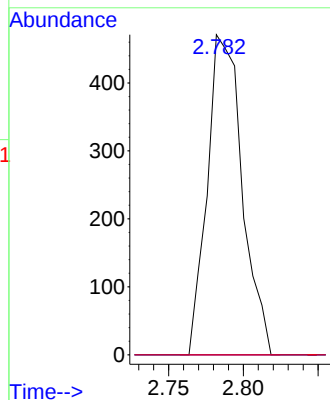
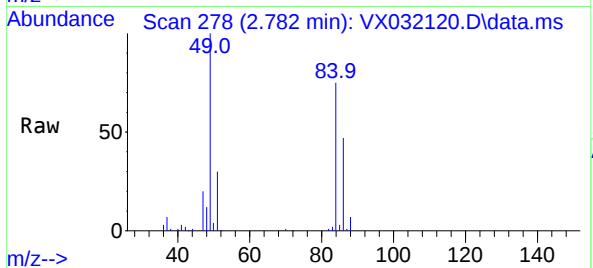




#14
 Allyl chloride
 Concen: 0.418 ug/l
 RT: 2.782 min Scan# 212
 Delta R.T. 0.116 min
 Lab File: VX032120.D
 Acq: 13 Oct 2022 19:17

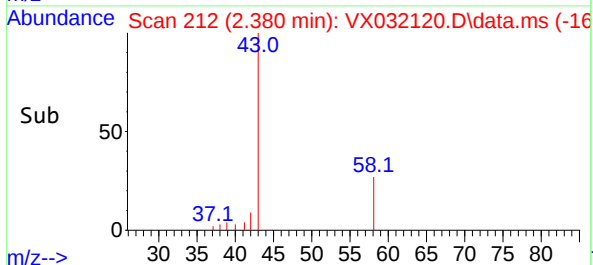
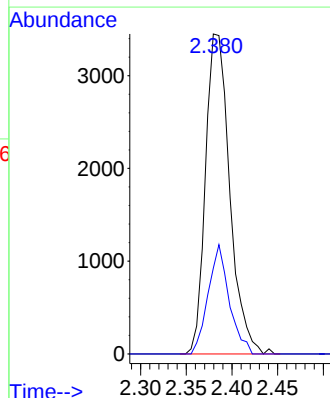
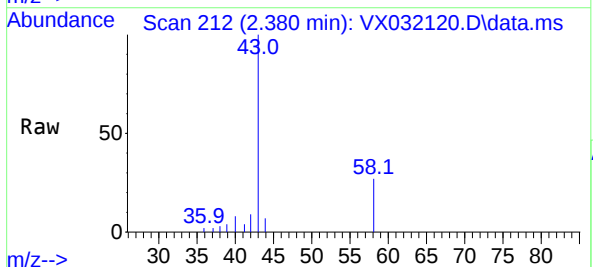
Instrument :
 MSVOA_X
 ClientSampleId :
 R-4RE

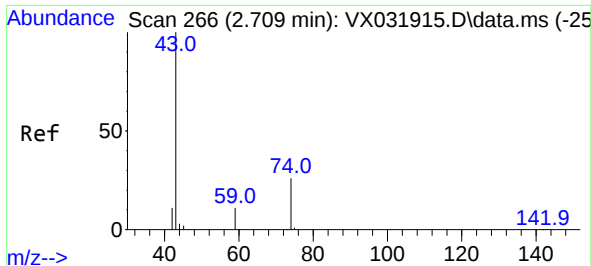
Tgt Ion: 41 Resp: 765
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.2 87.4#
 76 0.0 26.9 40.3#



#16
 Acetone
 Concen: 10.749 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.012 min
 Lab File: VX032120.D
 Acq: 13 Oct 2022 19:17

Tgt Ion: 43 Resp: 6369
 Ion Ratio Lower Upper
 43 100
 58 26.8 23.8 35.8





#18

Methyl Acetate

Concen: 0.211 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.006 min

Lab File: VX032120.D

Acq: 13 Oct 2022 19:17

Instrument :

MSVOA_X

ClientSampleId :

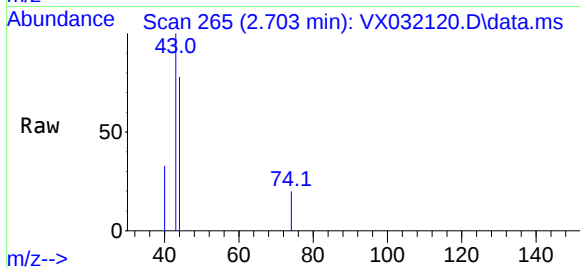
R-4RE

Tgt Ion: 43 Resp: 413

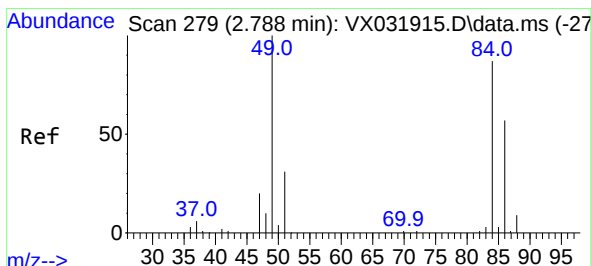
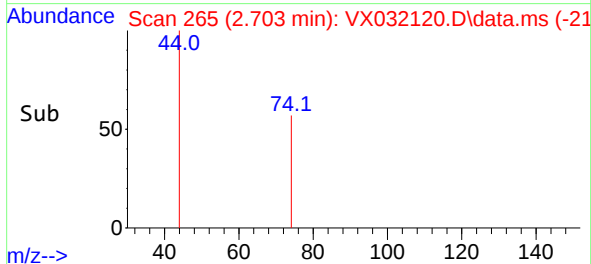
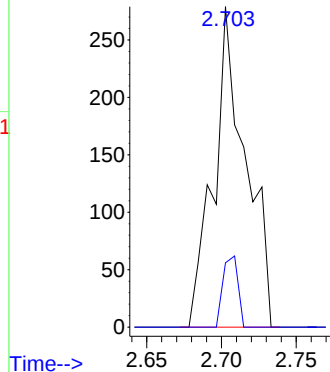
Ion Ratio Lower Upper

43 100

74 10.4 18.6 27.8#



Abundance



#20

Methylene Chloride

Concen: 16.590 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX032120.D

Acq: 13 Oct 2022 19:17

Tgt Ion: 84 Resp: 25832

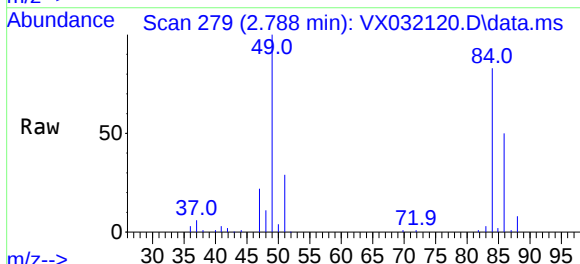
Ion Ratio Lower Upper

84 100

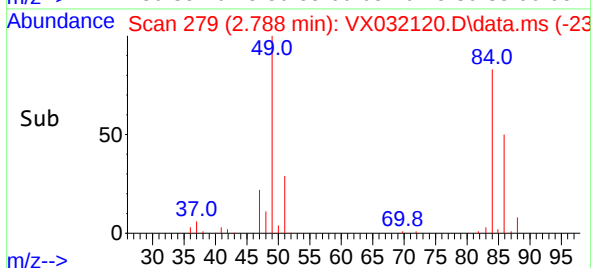
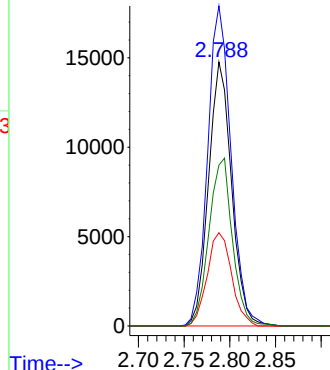
49 121.2 105.9 158.9

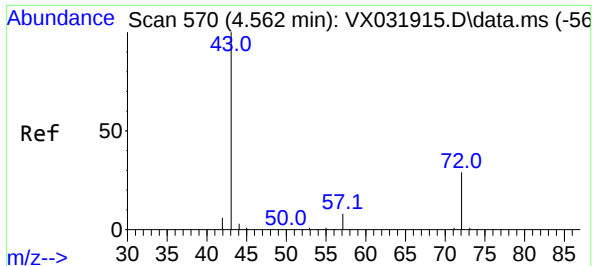
51 35.3 32.2 48.2

86 60.9 50.8 76.2



Abundance





#25

2-Butanone

Concen: 1.014 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX032120.D

Acq: 13 Oct 2022 19:17

Instrument :

MSVOA_X

ClientSampleId :

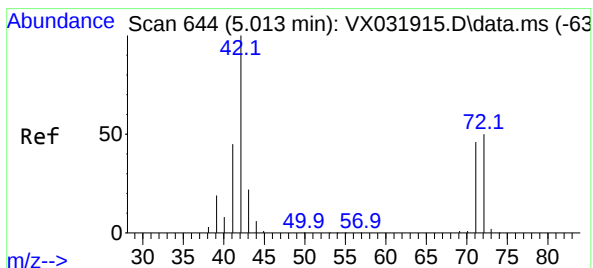
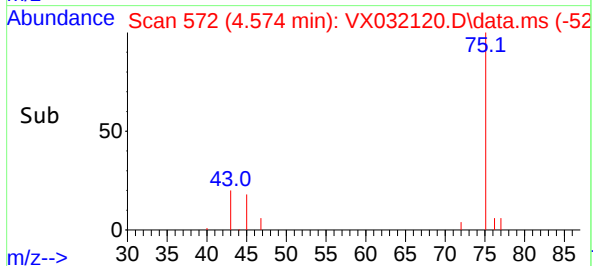
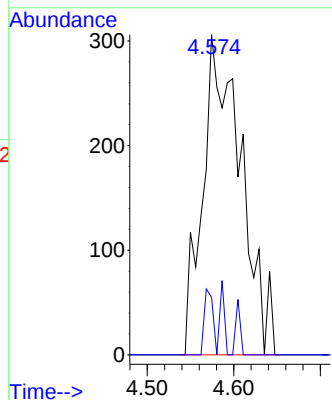
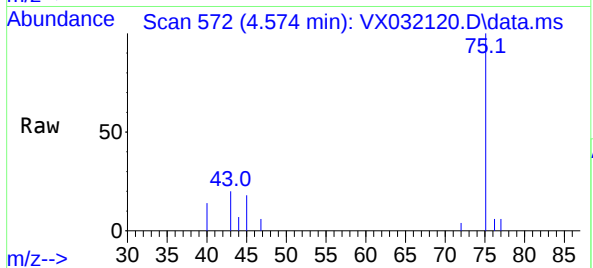
R-4RE

Tgt Ion: 43 Resp: 939

Ion Ratio Lower Upper

43 100

72 18.0 21.1 31.7#



#29

Tetrahydrofuran

Concen: 0.249 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.000 min

Lab File: VX032120.D

Acq: 13 Oct 2022 19:17

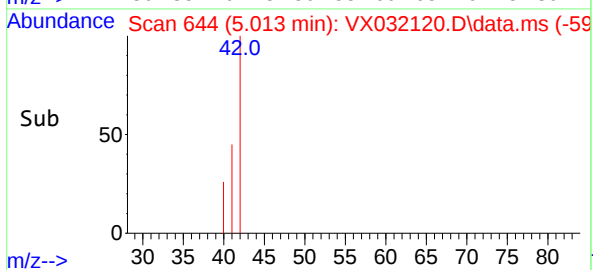
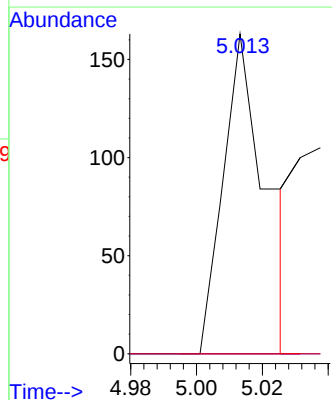
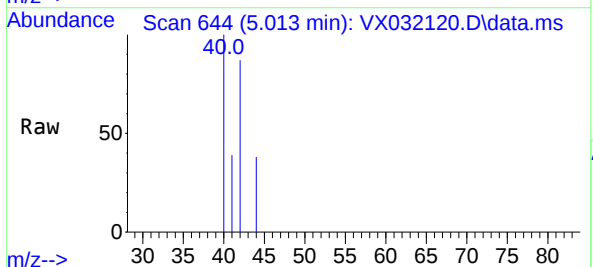
Tgt Ion: 42 Resp: 149

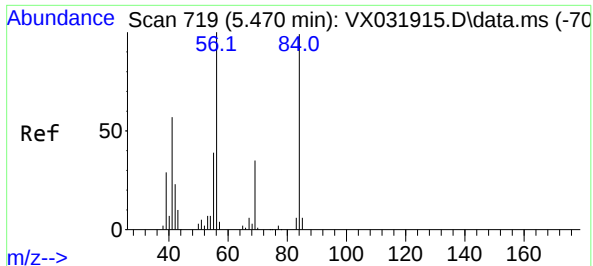
Ion Ratio Lower Upper

42 100

72 0.0 36.4 54.6#

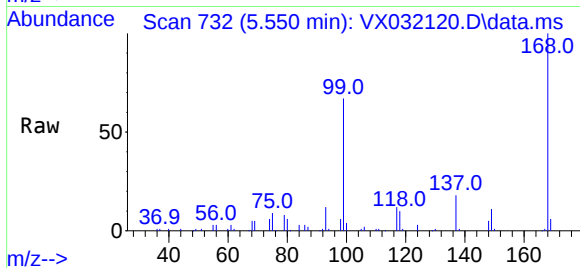
71 0.0 33.5 50.3#



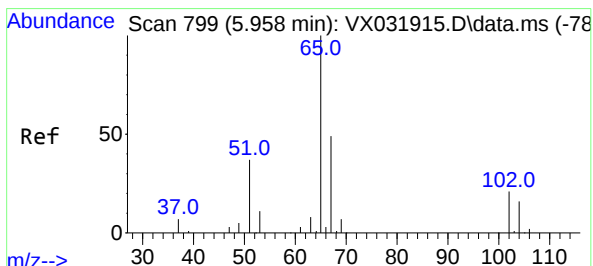
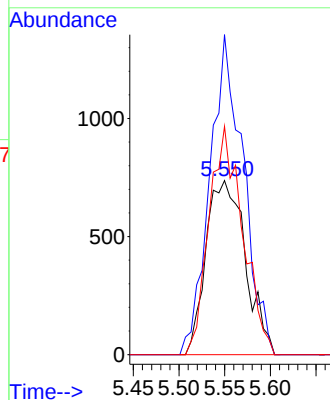
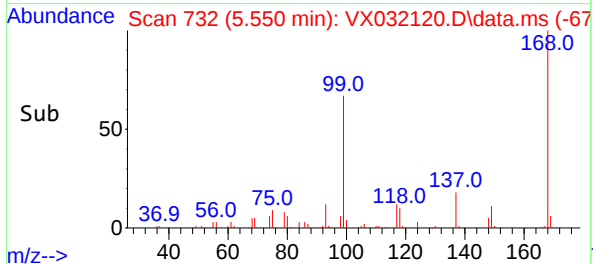


#31
Cyclohexane
Concen: 1.062 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX032120.D
Acq: 13 Oct 2022 19:17

Instrument :
MSVOA_X
ClientSampleId :
R-4RE

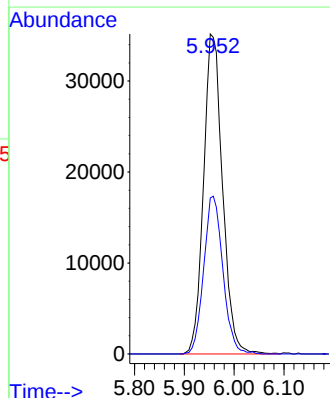
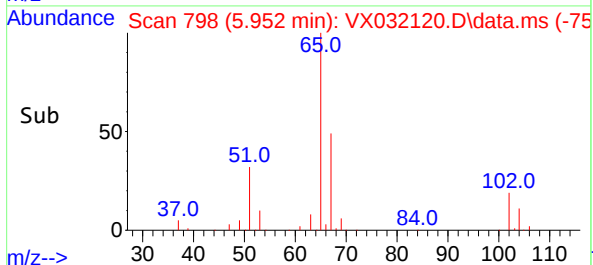
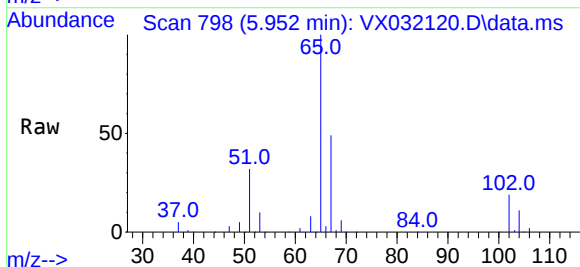


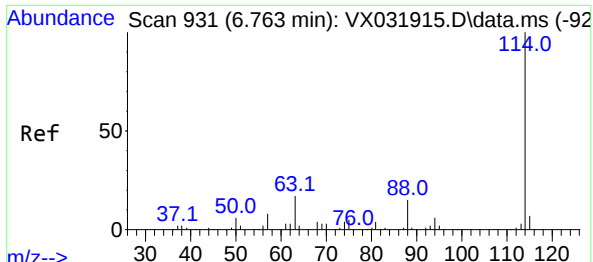
Tgt Ion: 56 Resp: 2212
Ion Ratio Lower Upper
56 100
69 183.9 25.1 37.7#
84 131.2 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 53.334 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX032120.D
Acq: 13 Oct 2022 19:17

Tgt Ion: 65 Resp: 92987
Ion Ratio Lower Upper
65 100
67 49.8 0.0 102.4



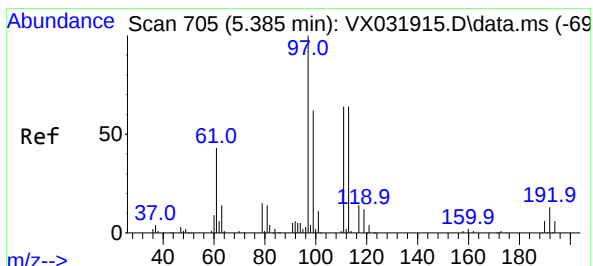
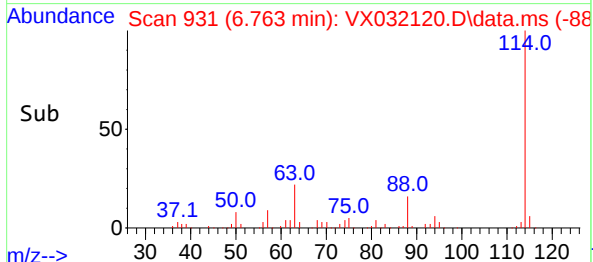
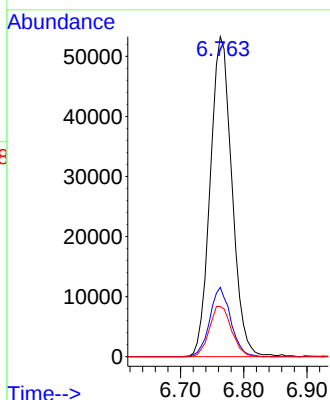
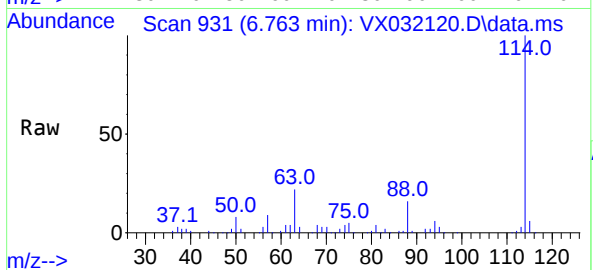


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX032120.D
Acq: 13 Oct 2022 19:17

Instrument :
MSVOA_X
ClientSampleId :
R-4RE

Tgt Ion:114 Resp: 126865

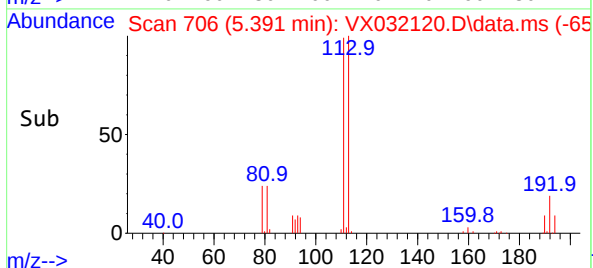
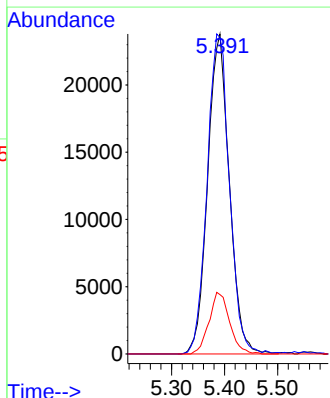
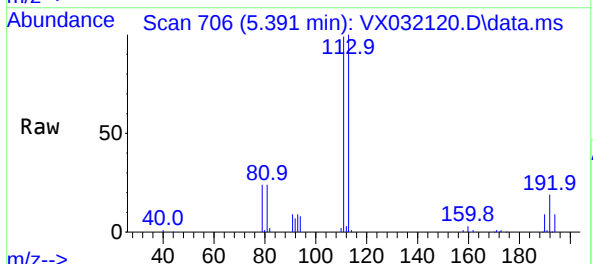
Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	42.6
88	15.6	0.0	33.0

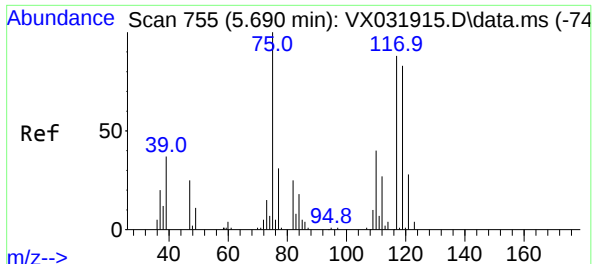


#35
Dibromofluoromethane
Concen: 47.046 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX032120.D
Acq: 13 Oct 2022 19:17

Tgt Ion:113 Resp: 67560

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.4	123.6
192	18.2	14.1	21.1

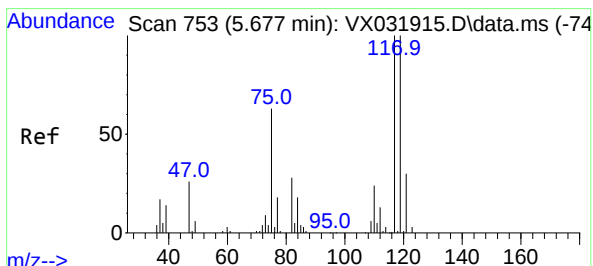
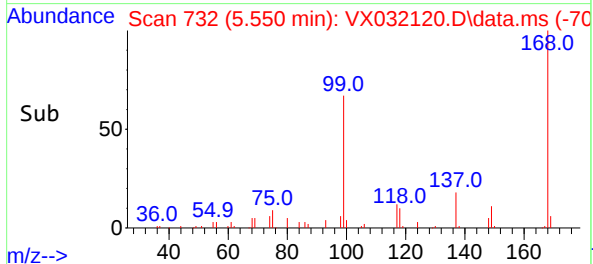
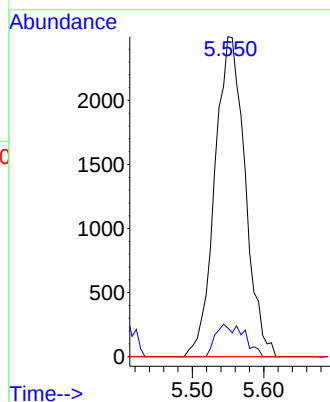
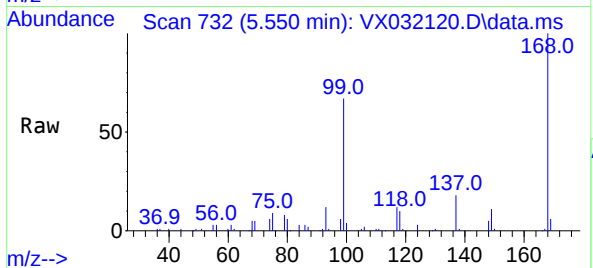




#36
1,1-Dichloropropene
Concen: 3.842 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX032120.D
Acq: 13 Oct 2022 19:17

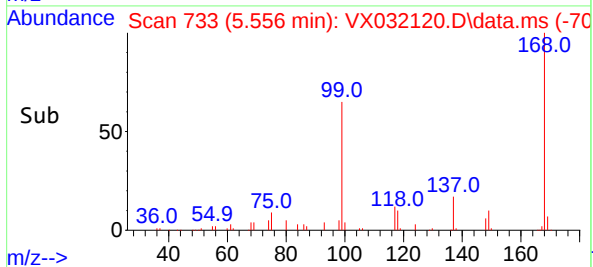
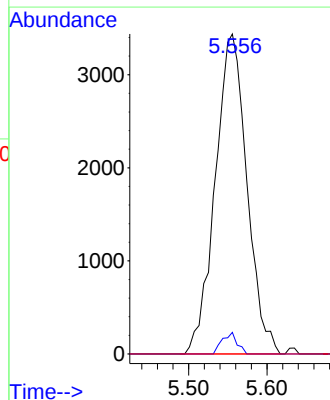
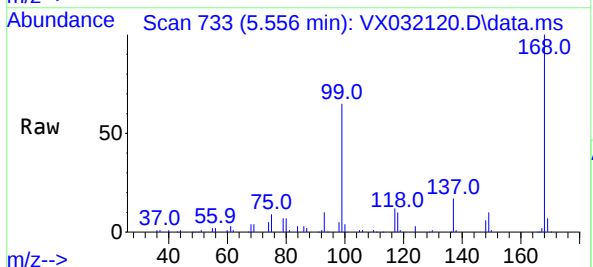
Instrument :
MSVOA_X
ClientSampleId :
R-4RE

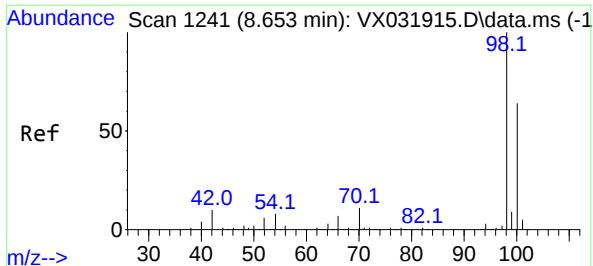
Tgt Ion: 75 Resp: 7316
Ion Ratio Lower Upper
75 100
110 5.5 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 4.964 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.121 min
Lab File: VX032120.D
Acq: 13 Oct 2022 19:17

Tgt Ion: 117 Resp: 9665
Ion Ratio Lower Upper
117 100
119 6.7 74.6 112.0#
121 0.0 25.3 37.9#

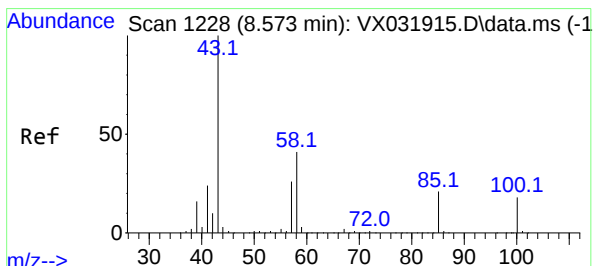
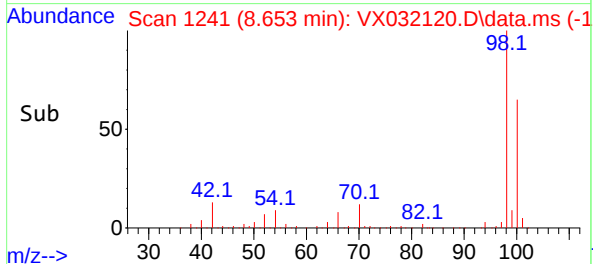
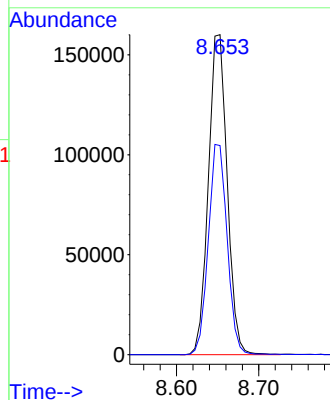
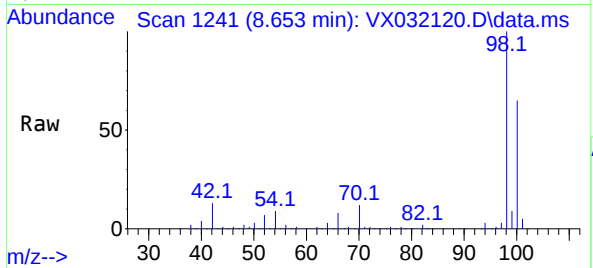




#50
Toluene-d8
Concen: 49.279 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032120.D
Acq: 13 Oct 2022 19:17

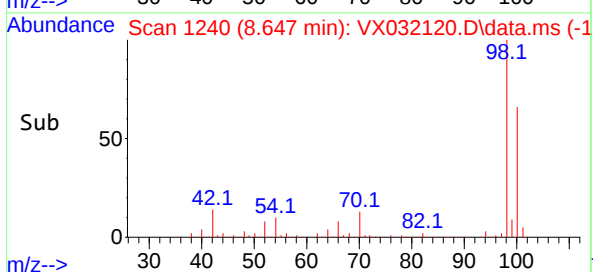
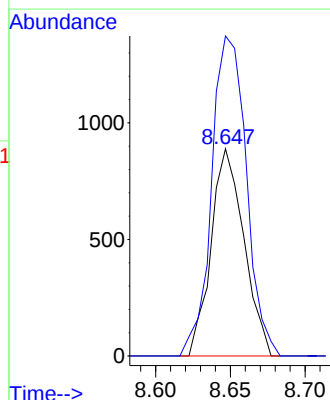
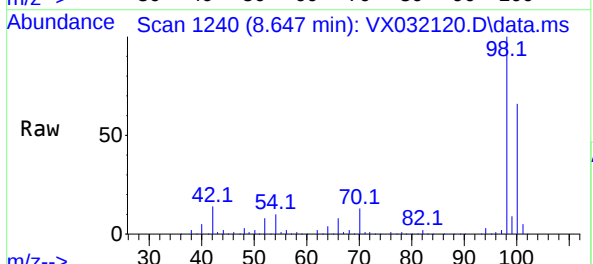
Instrument :
MSVOA_X
ClientSampleId :
R-4RE

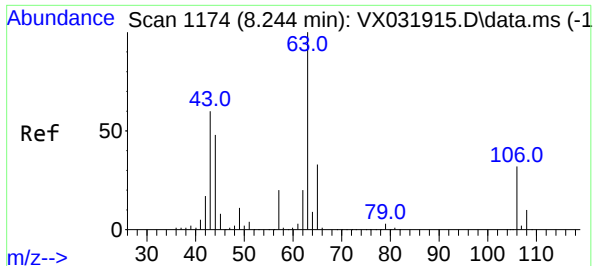
Tgt Ion: 98 Resp: 254642
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.753 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.074 min
Lab File: VX032120.D
Acq: 13 Oct 2022 19:17

Tgt Ion: 43 Resp: 1357
Ion Ratio Lower Upper
43 100
58 163.3 30.6 46.0#

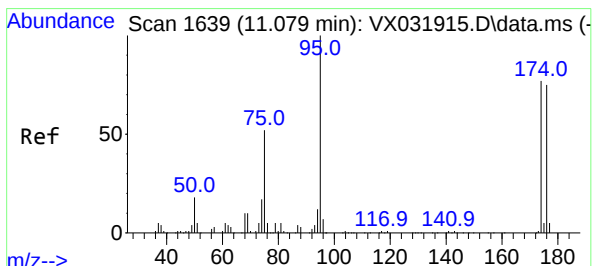
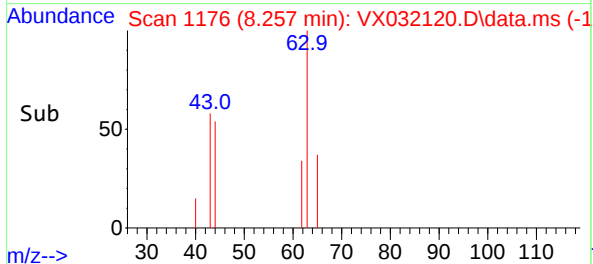
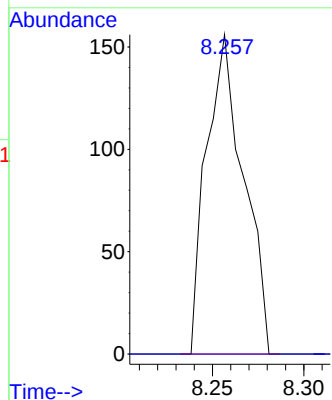
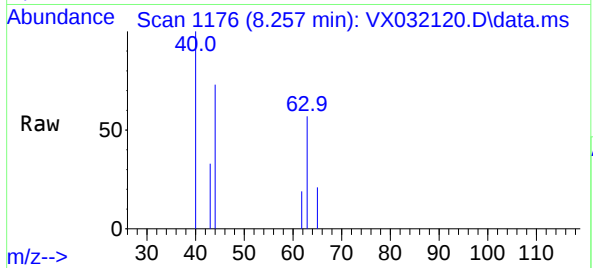




#58
2-Chloroethyl Vinyl ether
Concen: 0.217 ug/l
RT: 8.257 min Scan# 1176
Delta R.T. 0.013 min
Lab File: VX032120.D
Acq: 13 Oct 2022 19:17

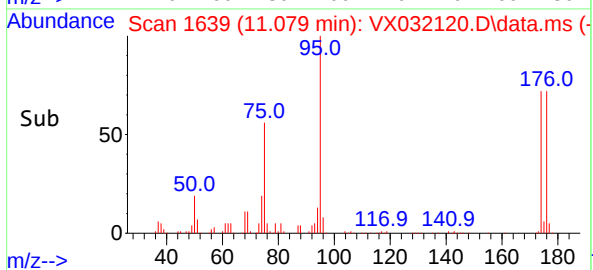
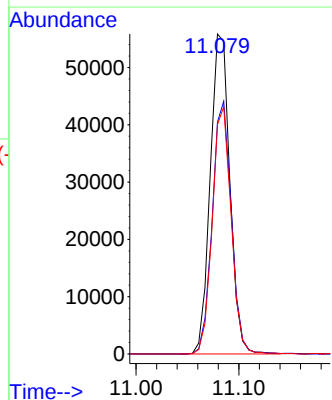
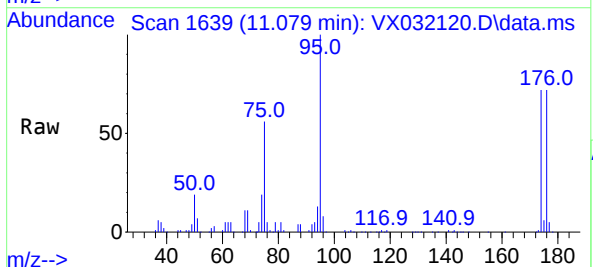
Instrument :
MSVOA_X
ClientSampleId :
R-4RE

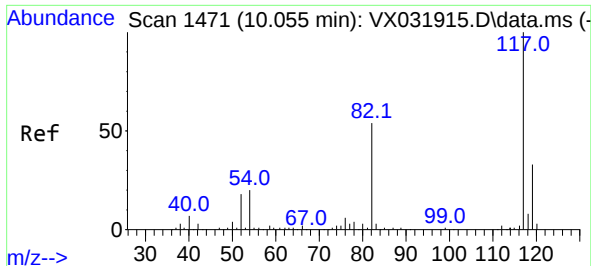
Tgt Ion: 63 Resp: 221
Ion Ratio Lower Upper
63 100
106 0.0 22.6 34.0#



#62
4-Bromofluorobenzene
Concen: 40.416 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032120.D
Acq: 13 Oct 2022 19:17

Tgt Ion: 95 Resp: 73832
Ion Ratio Lower Upper
95 100
174 77.0 0.0 153.2
176 74.4 0.0 144.0

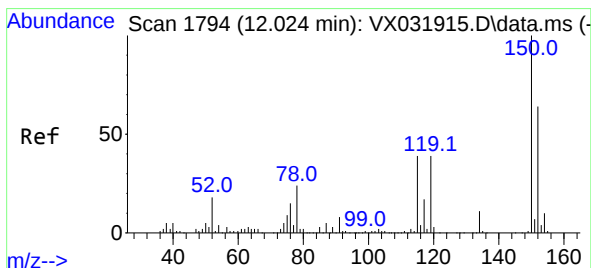
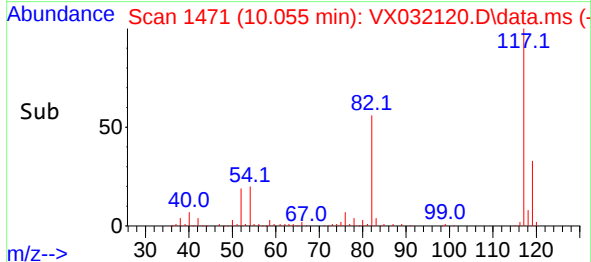
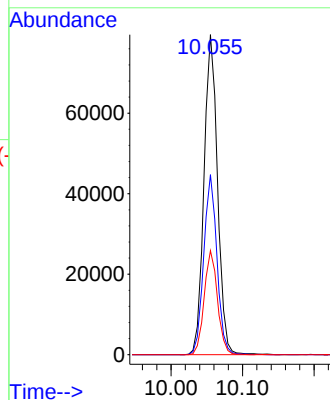
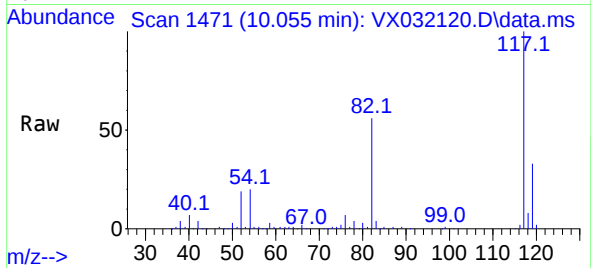




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032120.D
Acq: 13 Oct 2022 19:17

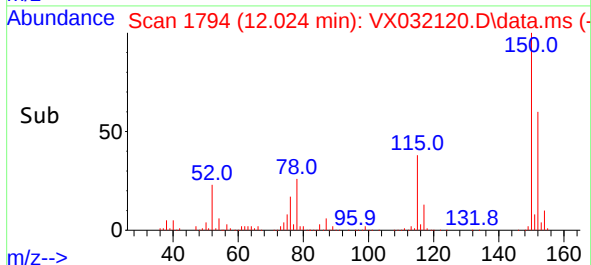
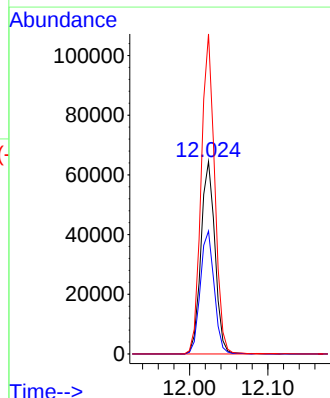
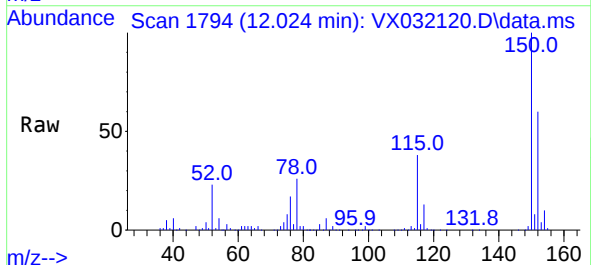
Instrument :
MSVOA_X
ClientSampleId :
R-4RE

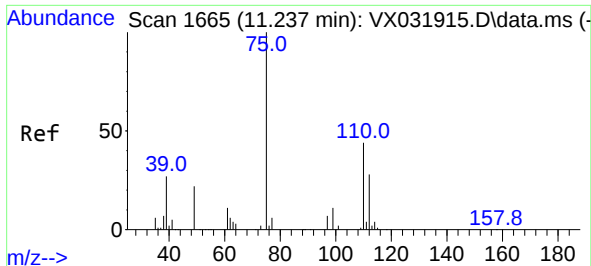
Tgt Ion:117 Resp: 104671
Ion Ratio Lower Upper
117 100
82 56.2 46.8 70.2
119 32.5 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032120.D
Acq: 13 Oct 2022 19:17

Tgt Ion:152 Resp: 80228
Ion Ratio Lower Upper
152 100
115 63.4 43.4 130.1
150 160.1 0.0 346.8

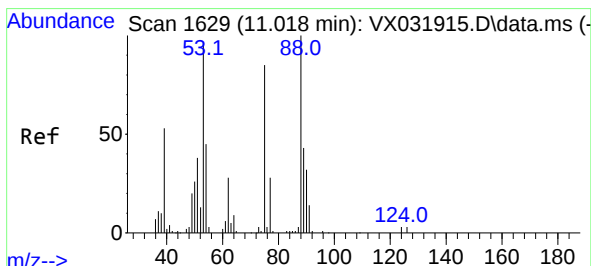
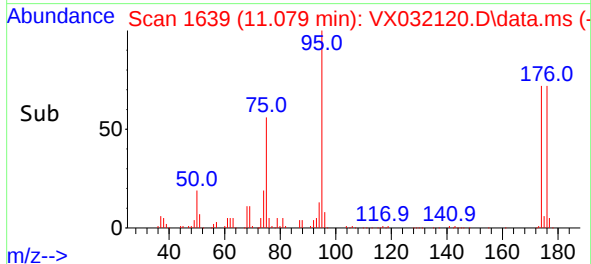
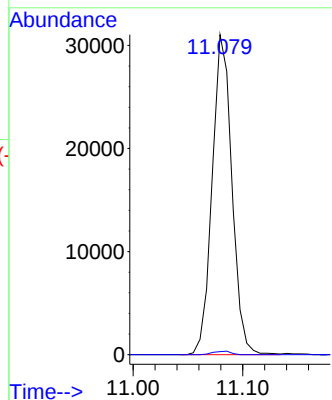
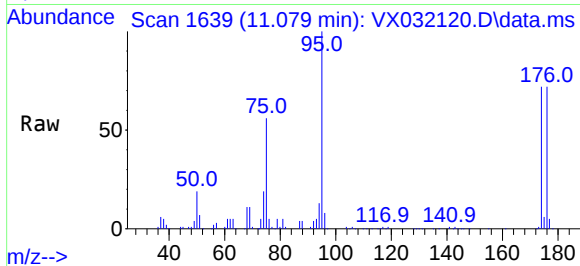




#76
1,2,3-Trichloropropane
Concen: 23.621 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX032120.D
Acq: 13 Oct 2022 19:17

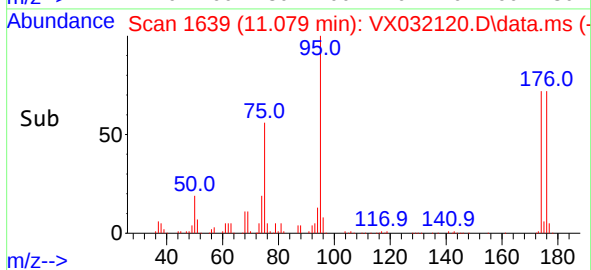
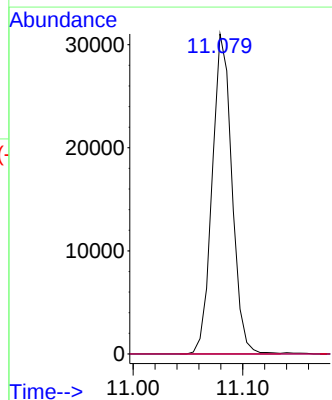
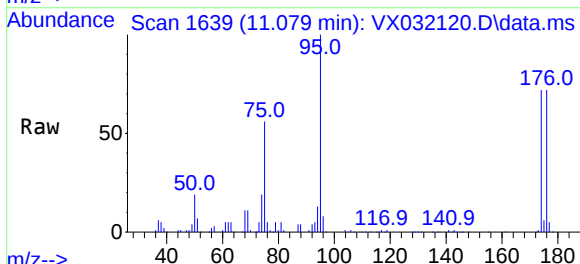
Instrument :
MSVOA_X
ClientSampleId :
R-4RE

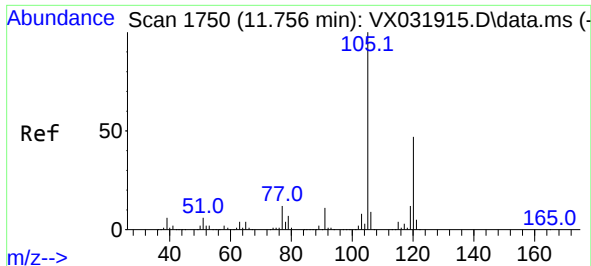
Tgt Ion: 75 Resp: 38840
Ion Ratio Lower Upper
75 100
77 1.0 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.390 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032120.D
Acq: 13 Oct 2022 19:17

Tgt Ion: 75 Resp: 38840
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

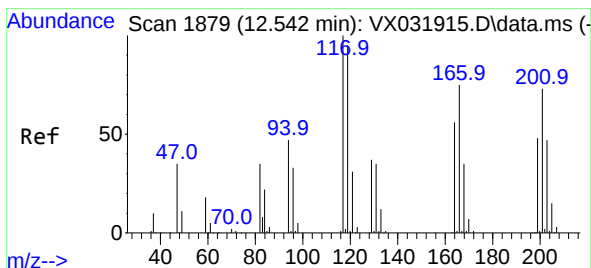
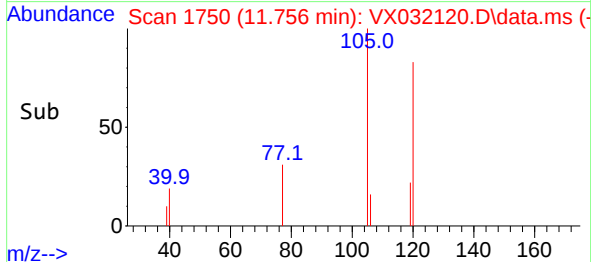
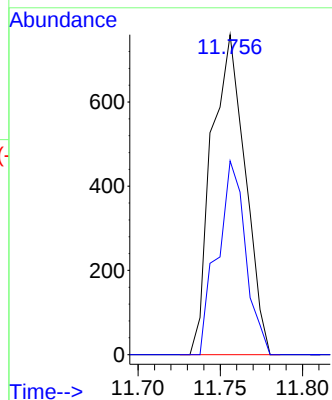
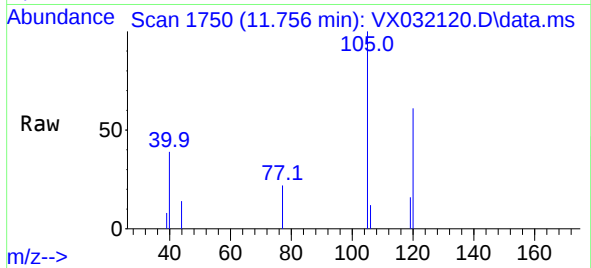




#84
1,2,4-Trimethylbenzene
Concen: 0.212 ug/l
RT: 11.756 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032120.D
Acq: 13 Oct 2022 19:17

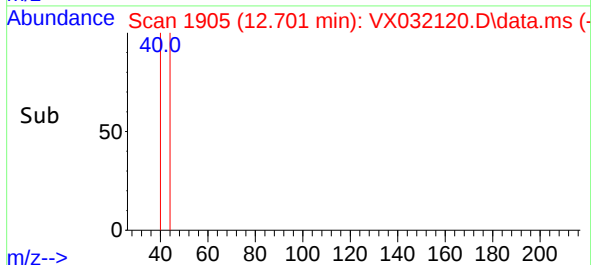
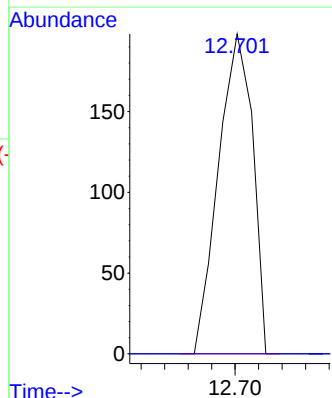
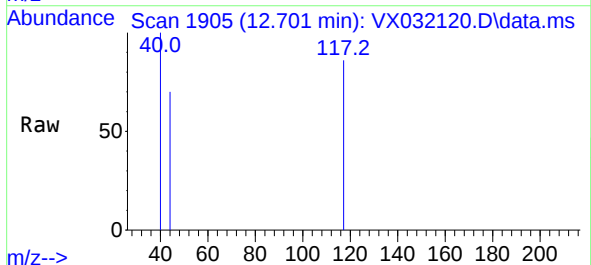
Instrument :
MSVOA_X
ClientSampleId :
R-4RE

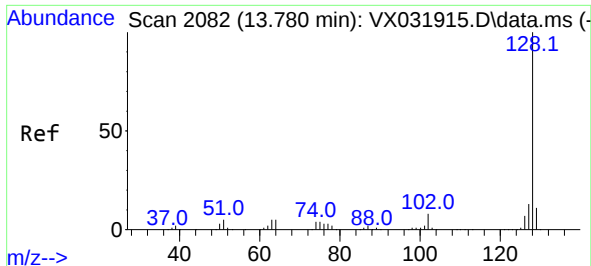
Tgt Ion:105 Resp: 1081
Ion Ratio Lower Upper
105 100
120 50.8 22.6 67.8



#90
Hexachloroethane
Concen: 1.545 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX032120.D
Acq: 13 Oct 2022 19:17

Tgt Ion:117 Resp: 200
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#





#95

Naphthalene

Concen: 1.023 ug/l

RT: 13.780 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX032120.D

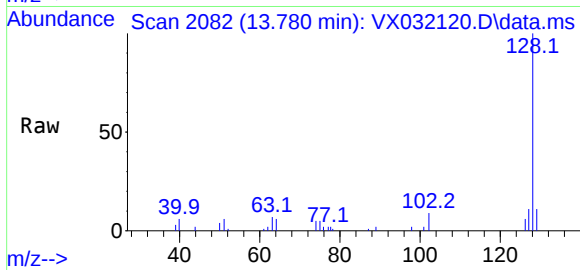
Acq: 13 Oct 2022 19:17

Instrument :

MSVOA_X

ClientSampleId :

R-4RE



Tgt Ion:	128	Resp:	6006
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	9.8	8.8	13.2

