

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031523\
 Data File : VX034507.D
 Acq On : 15 Mar 2023 14:48
 Operator : JC/MD
 Sample : 01880-15DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20230310DL

Quant Time: Mar 16 05:19:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

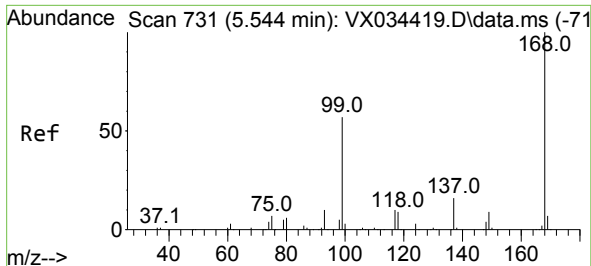
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	243633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	422617	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	377811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	174968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	169039	47.692	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.380%		
35) Dibromofluoromethane	5.379	113	131828	47.245	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.480%		
50) Toluene-d8	8.647	98	512376	49.189	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.380%		
62) 4-Bromofluorobenzene	11.079	95	201259	47.834	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.660%		
Target Compounds						Qvalue
3) Chloromethane	1.288	50	490	Below Cal		99
9) 1,1,2-Trichlorotrifluo...	2.325	101	5119	1.890 ug/l		97
11) Tert butyl alcohol	2.947	59	6014	8.148 ug/l #		73
12) 1,1-Dichloroethene	2.306	96	1741	0.653 ug/l		88
13) Acrolein	2.233	56	174	0.298 ug/l #		81
15) Acrylonitrile	3.075	53	373	0.234 ug/l #		34
16) Acetone	2.386	43	901	0.540 ug/l #		77
17) Carbon Disulfide	2.502	76	1618	0.216 ug/l		99
20) Methylene Chloride	2.782	84	1978	0.610 ug/l		88
27) cis-1,2-Dichloroethene	4.477	96	3204	0.940 ug/l		82
29) Tetrahydrofuran	5.050	42	333	0.226 ug/l #		56
31) Cyclohexane	5.544	56	5993	1.206 ug/l #		25
36) 1,1-Dichloropropene	5.544	75	20291	4.735 ug/l #		50
38) Carbon Tetrachloride	5.544	117	25372	5.951 ug/l #		15
39) Methylcyclohexane	7.123	83	2426	0.473 ug/l #		1
44) Trichloroethene	7.123	130	194823	59.807 ug/l		99
49) 1,4-Dioxane	7.671	88	163	2.034 ug/l #		32
58) 2-Chloroethyl Vinyl ether	8.257	63	525	0.201 ug/l #		60
60) Dibromochloromethane	9.269	129	5769	1.786 ug/l #		10
64) Tetrachloroethene	9.275	164	5498	2.166 ug/l		93
76) 1,2,3-Trichloropropane	11.079	75	105557	26.274 ug/l #		34
81) trans-1,4-Dichloro-2-b...	11.079	75	105557	71.080 ug/l #		8
94) Hexachlorobutadiene	13.719	225	721	0.466 ug/l		95
96) 1,2,3-Trichlorobenzene	13.963	180	778	0.207 ug/l		87

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

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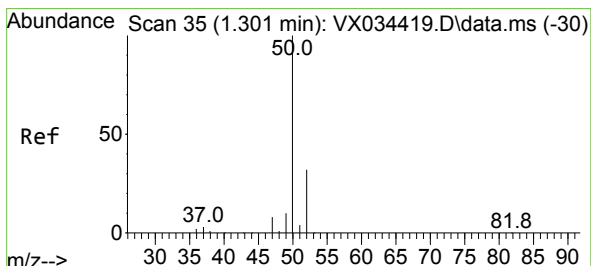
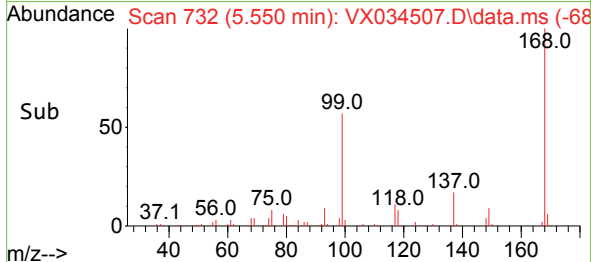
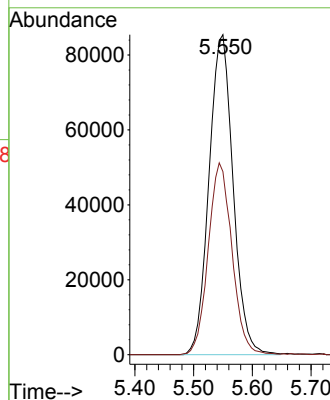
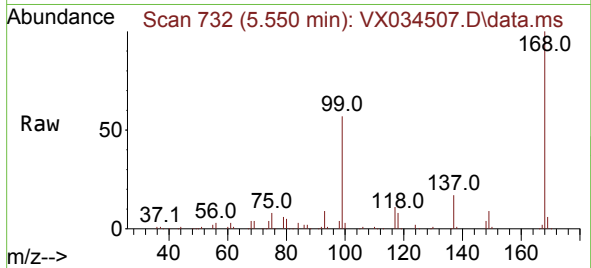




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

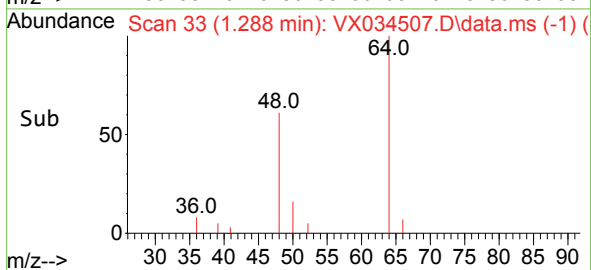
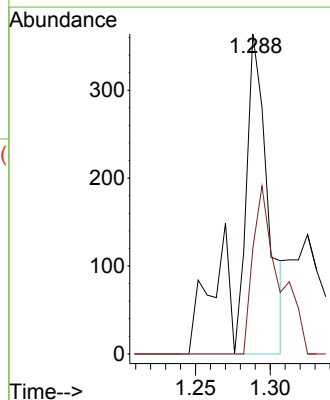
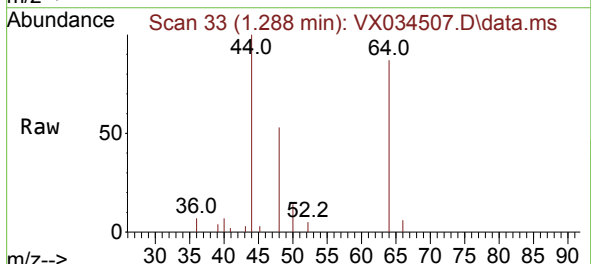
Instrument :
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ClientSampleId :
RE125D2-20230310DL

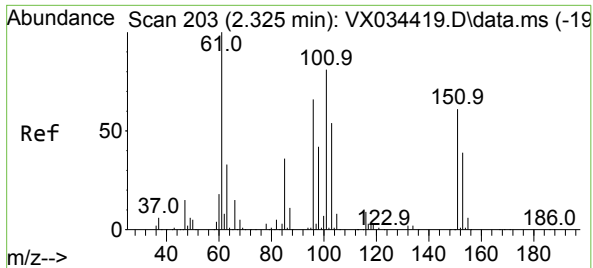
Tgt Ion:168 Resp: 243633
Ion Ratio Lower Upper
168 100
99 57.2 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.013 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

Tgt Ion: 50 Resp: 490
Ion Ratio Lower Upper
50 100
52 33.0 25.9 38.9

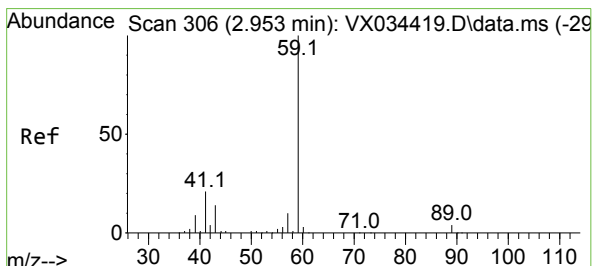
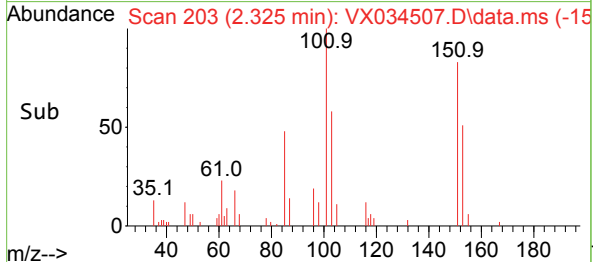
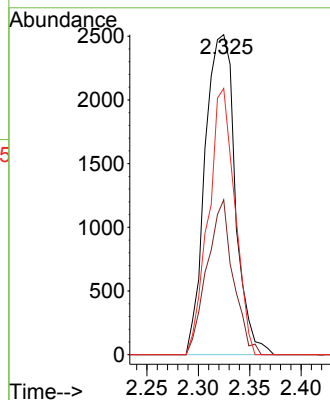
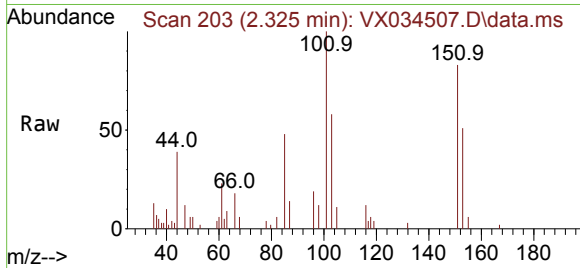




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.890 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

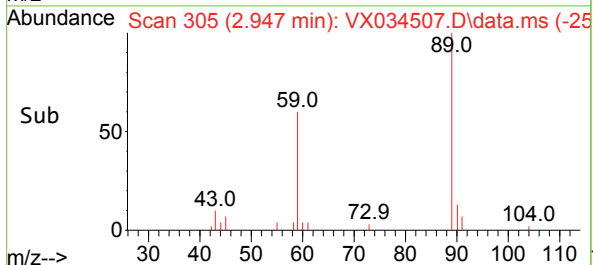
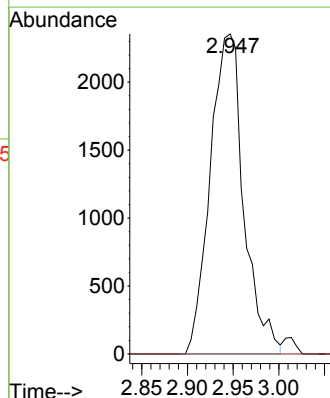
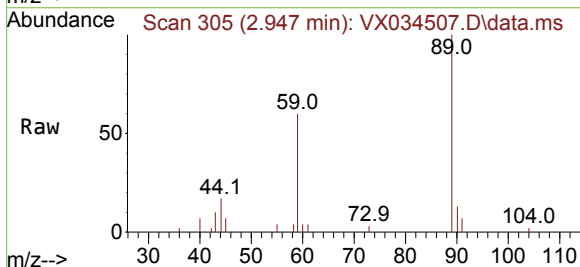
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310DL

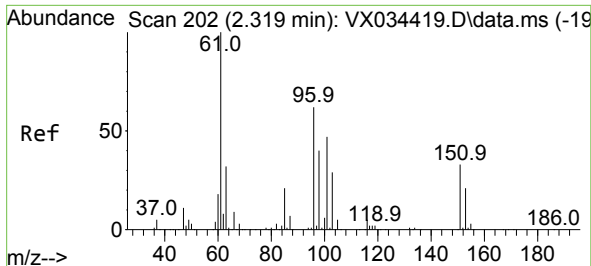
Tgt Ion:101 Resp: 5119
Ion Ratio Lower Upper
101 100
85 42.2 35.4 53.2
151 72.9 60.2 90.4



#11
Tert butyl alcohol
Concen: 8.148 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

Tgt Ion: 59 Resp: 6014
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#12

1,1-Dichloroethene

Concen: 0.653 ug/l

RT: 2.306 min Scan# 202

Delta R.T. -0.012 min

Lab File: VX034507.D

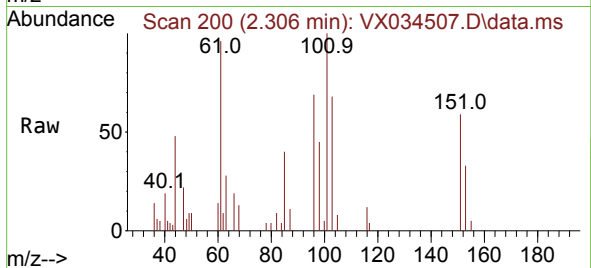
Acq: 15 Mar 2023 14:48

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20230310DL



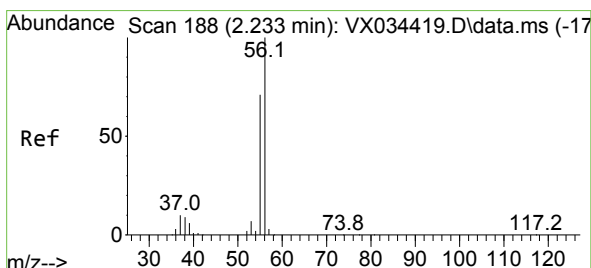
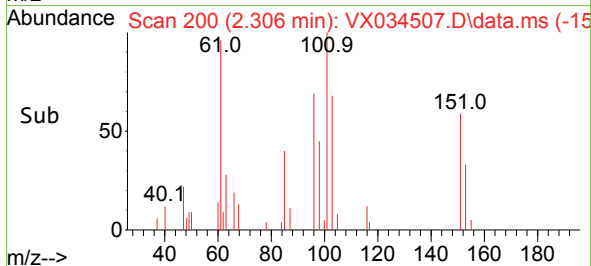
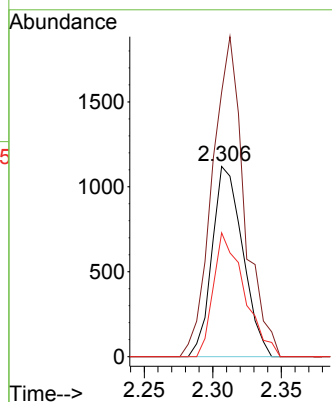
Tgt Ion: 96 Resp: 1741

Ion Ratio Lower Upper

96 100

61 139.0 128.8 193.2

98 65.1 51.4 77.0



#13

Acrolein

Concen: 0.298 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX034507.D

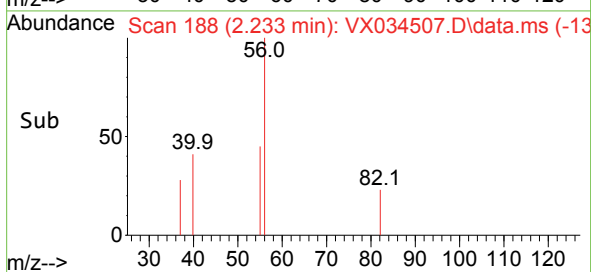
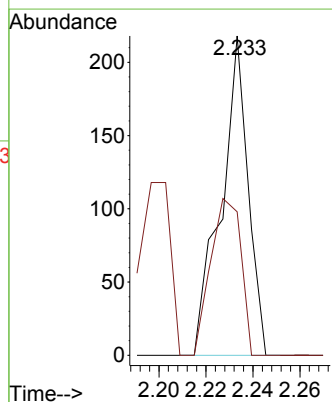
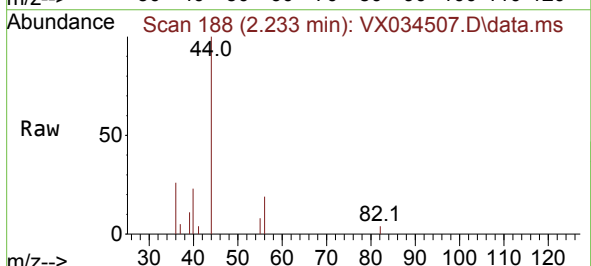
Acq: 15 Mar 2023 14:48

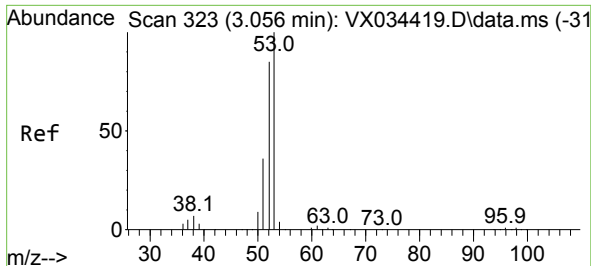
Tgt Ion: 56 Resp: 174

Ion Ratio Lower Upper

56 100

55 55.2 56.6 85.0#

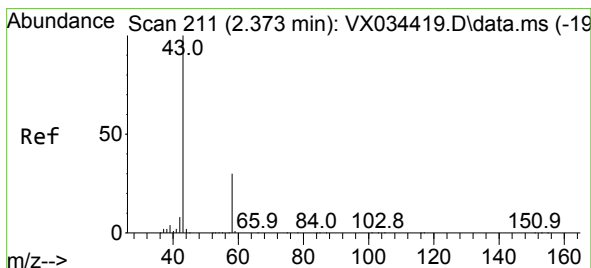
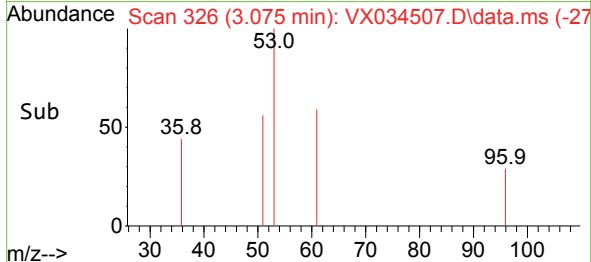
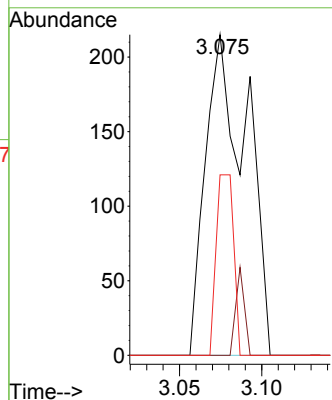
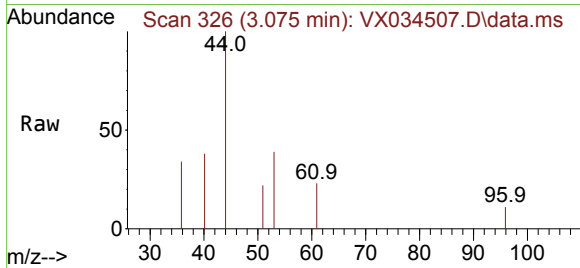




#15
Acrylonitrile
Concen: 0.234 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.019 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

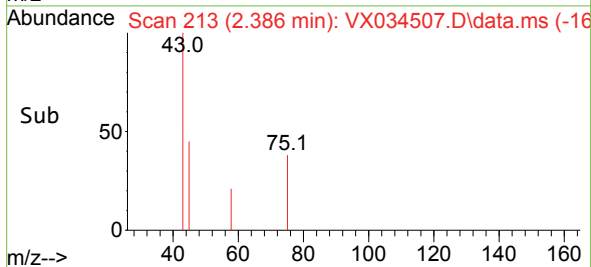
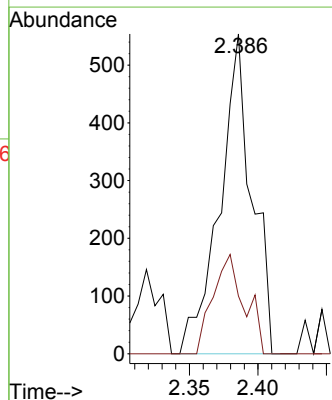
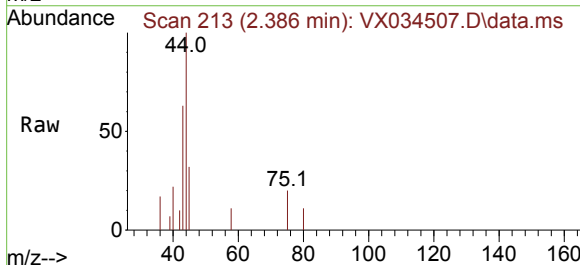
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310DL

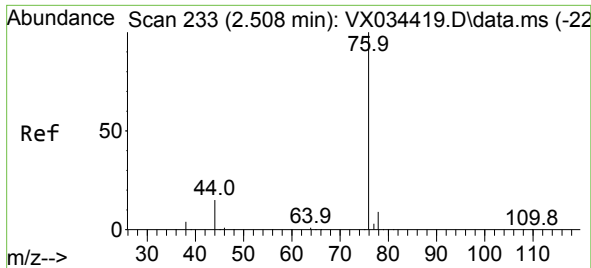
Tgt Ion: 53 Resp: 373
Ion Ratio Lower Upper
53 100
52 5.9 66.2 99.2#
51 23.9 28.3 42.5#



#16
Acetone
Concen: 0.540 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

Tgt Ion: 43 Resp: 901
Ion Ratio Lower Upper
43 100
58 18.1 24.7 37.1#





#17

Carbon Disulfide

Concen: 0.216 ug/l

RT: 2.502 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX034507.D

Acq: 15 Mar 2023 14:48

Instrument :

MSVOA_X

ClientSampleId :

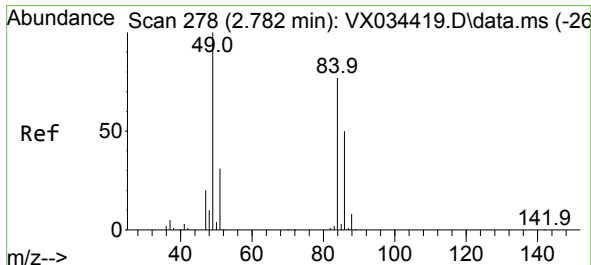
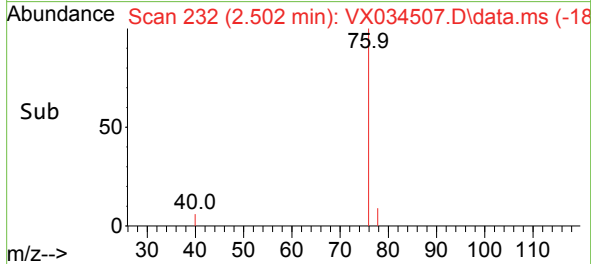
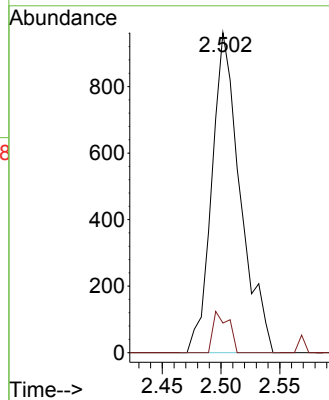
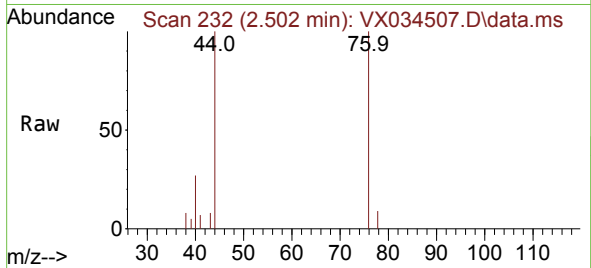
RE125D2-20230310DL

Tgt Ion: 76 Resp: 1618

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



#20

Methylene Chloride

Concen: 0.610 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX034507.D

Acq: 15 Mar 2023 14:48

Tgt Ion: 84 Resp: 1978

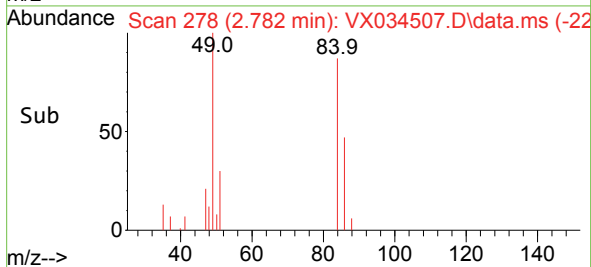
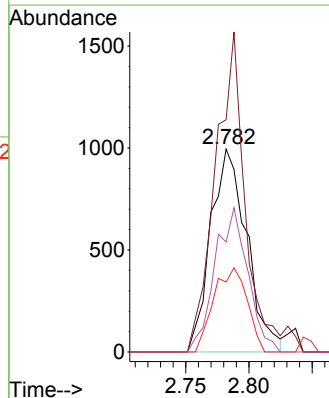
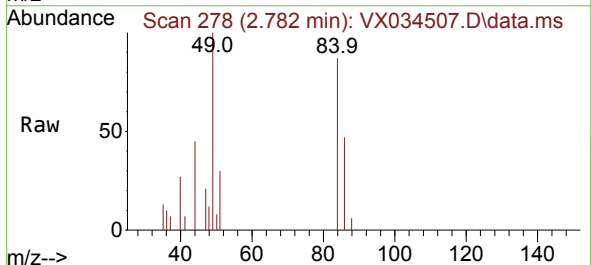
Ion Ratio Lower Upper

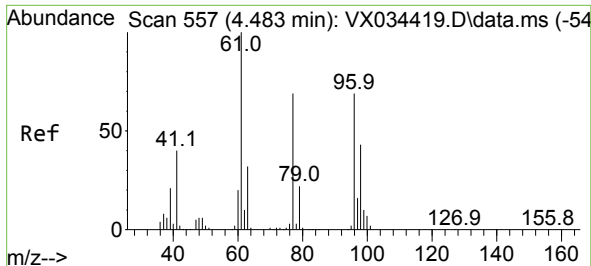
84 100

49 114.4 103.8 155.8

51 34.5 31.8 47.8

86 54.2 51.4 77.2





#27

cis-1,2-Dichloroethene

Concen: 0.940 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX034507.D

Acq: 15 Mar 2023 14:48

Instrument :

MSVOA_X

ClientSampleId :

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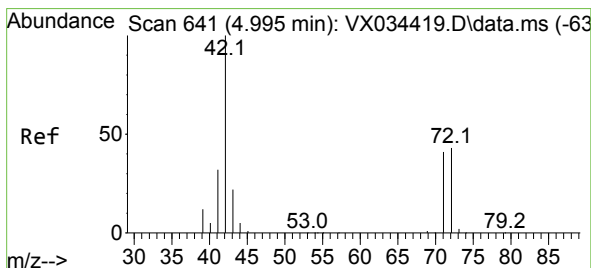
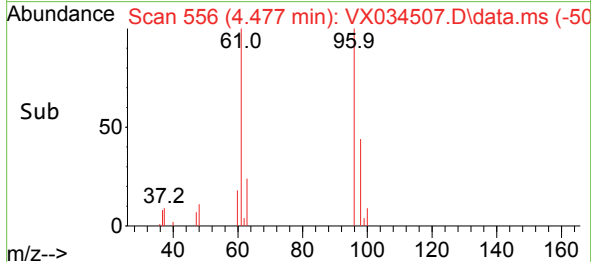
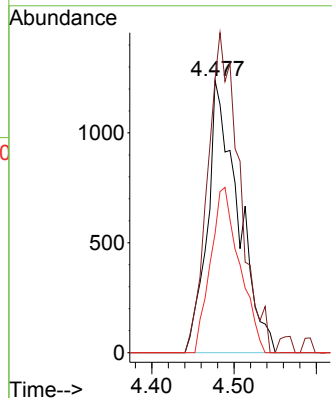
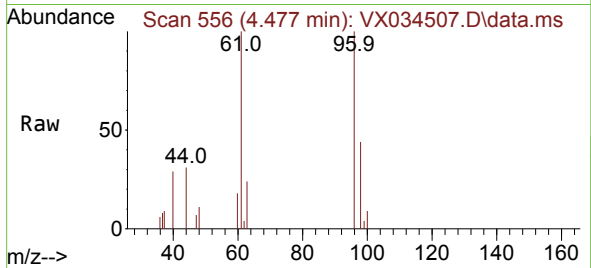
Tgt Ion: 96 Resp: 3204

Ion Ratio Lower Upper

96 100

61 121.6 0.0 300.4

98 57.6 0.0 129.0



#29

Tetrahydrofuran

Concen: 0.226 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.055 min

Lab File: VX034507.D

Acq: 15 Mar 2023 14:48

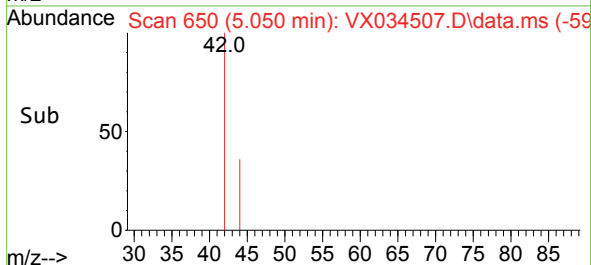
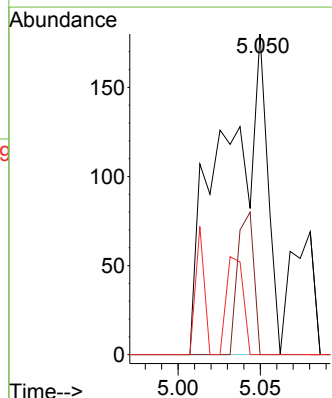
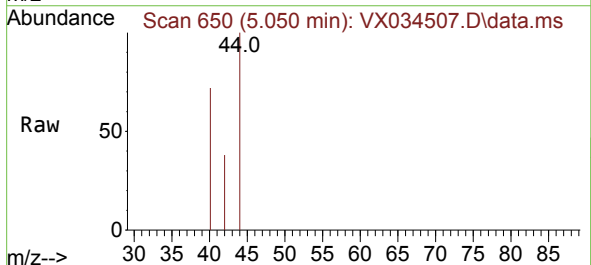
Tgt Ion: 42 Resp: 333

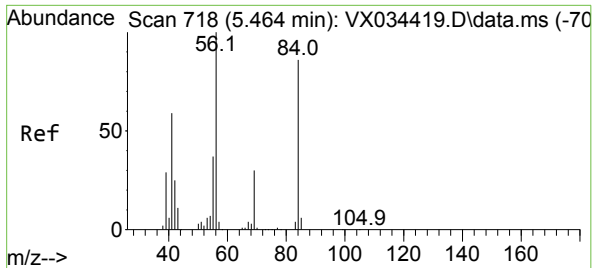
Ion Ratio Lower Upper

42 100

72 16.5 34.5 51.7#

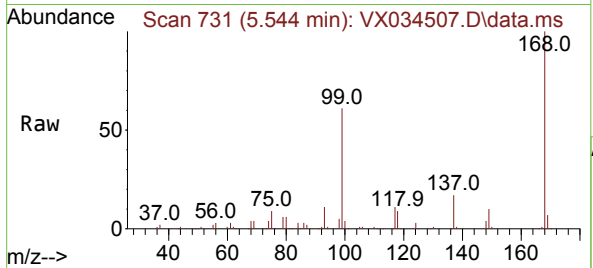
71 11.7 32.1 48.1#



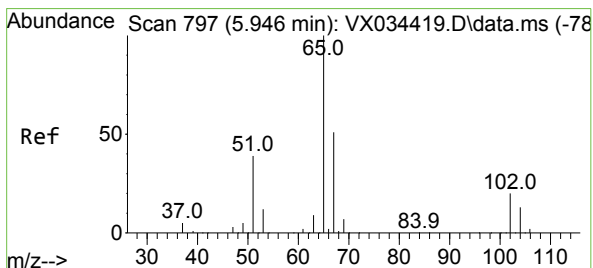
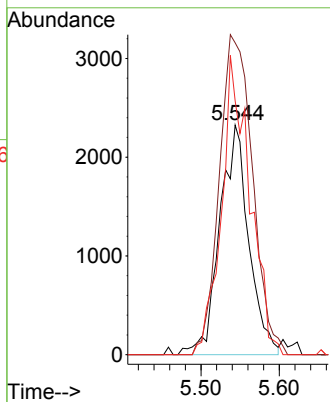
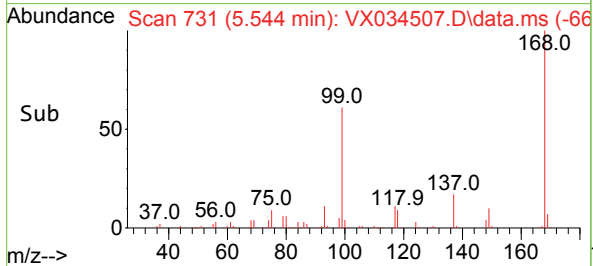


#31
Cyclohexane
Concen: 1.206 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

Instrument :
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RE125D2-20230310DL

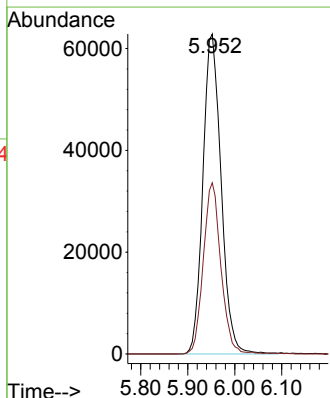
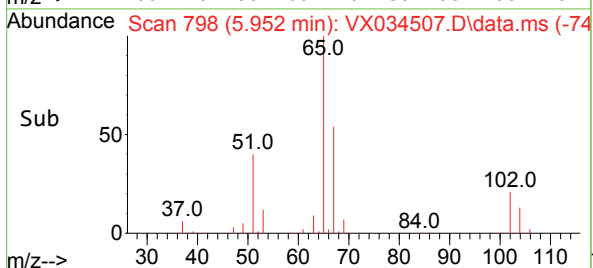
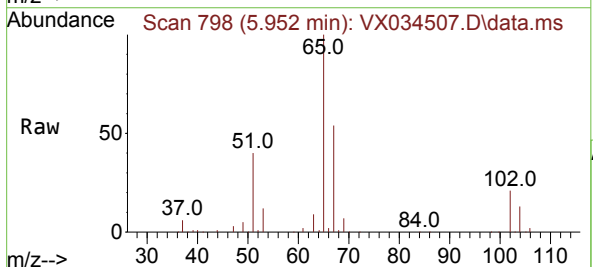


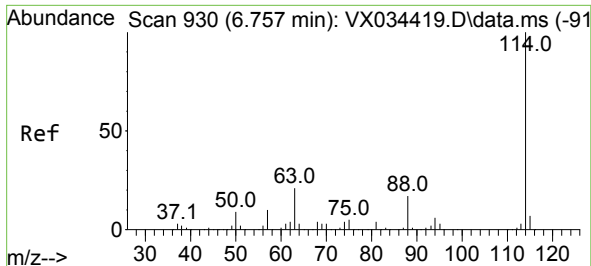
Tgt Ion: 56 Resp: 5993
Ion Ratio Lower Upper
56 100
69 135.8 23.7 35.5#
84 115.6 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 47.692 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

Tgt Ion: 65 Resp: 169039
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX034507.D

Acq: 15 Mar 2023 14:48

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20230310DL

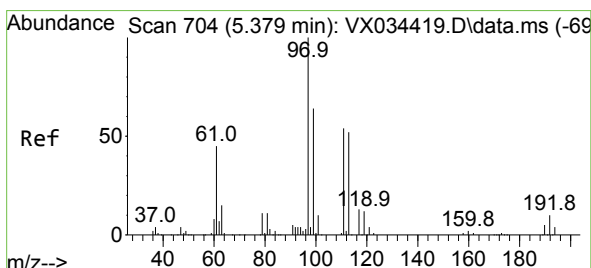
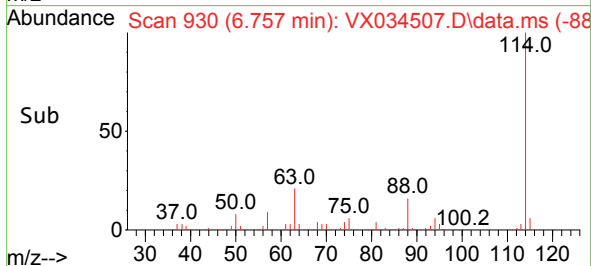
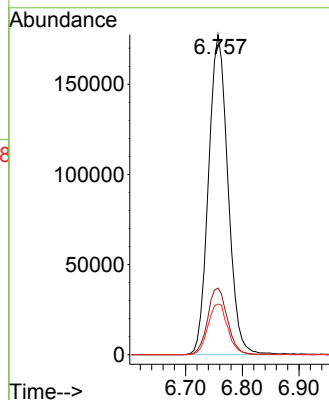
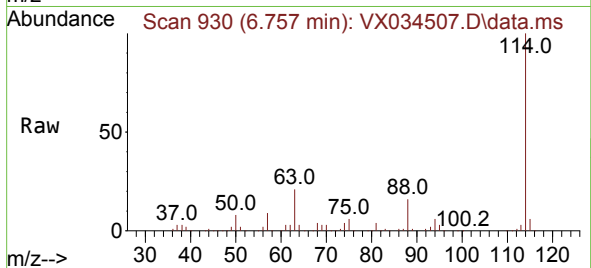
Tgt Ion:114 Resp: 422617

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.2

88 15.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.245 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX034507.D

Acq: 15 Mar 2023 14:48

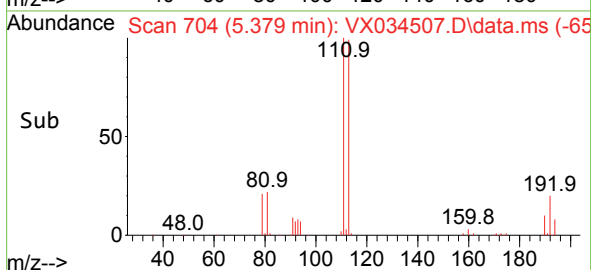
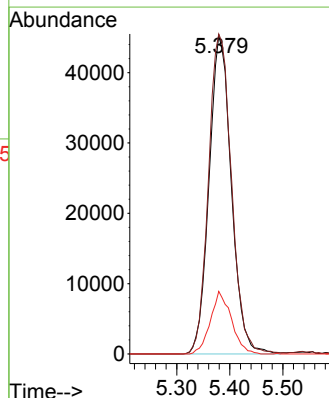
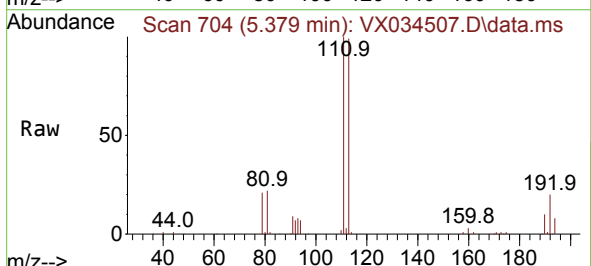
Tgt Ion:113 Resp: 131828

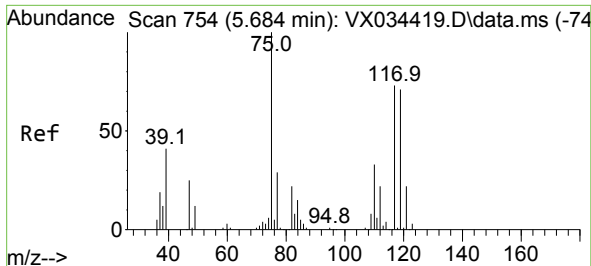
Ion Ratio Lower Upper

113 100

111 104.0 83.7 125.5

192 18.6 15.4 23.2

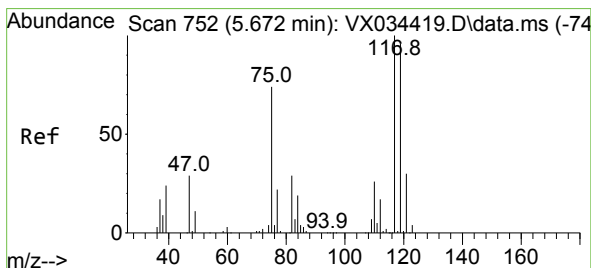
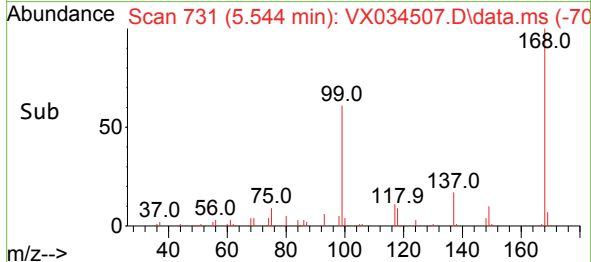
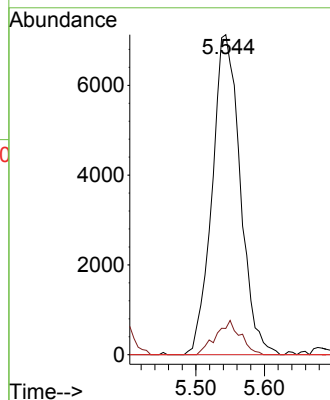
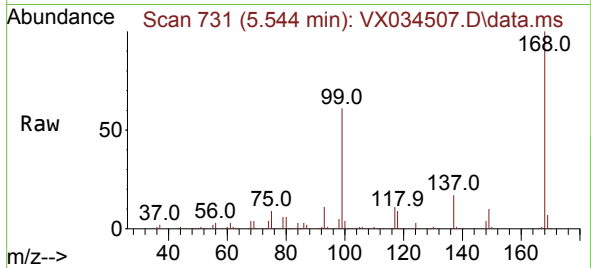




#36
1,1-Dichloropropene
Concen: 4.735 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

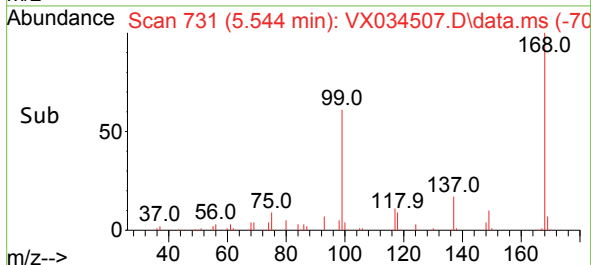
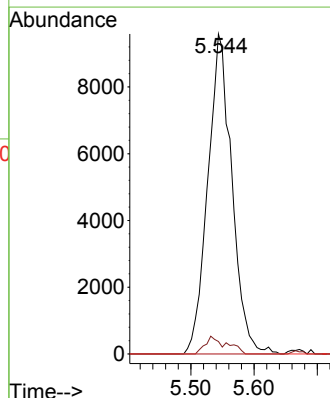
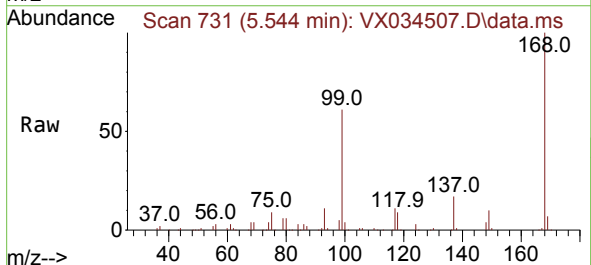
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310DL

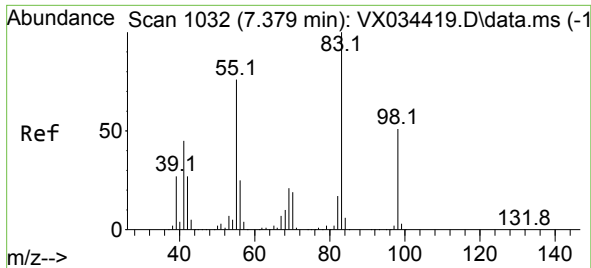
Tgt Ion: 75 Resp: 20291
Ion Ratio Lower Upper
75 100
110 9.4 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.951 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

Tgt Ion: 117 Resp: 25372
Ion Ratio Lower Upper
117 100
119 3.9 76.6 114.8#
121 0.0 23.8 35.6#

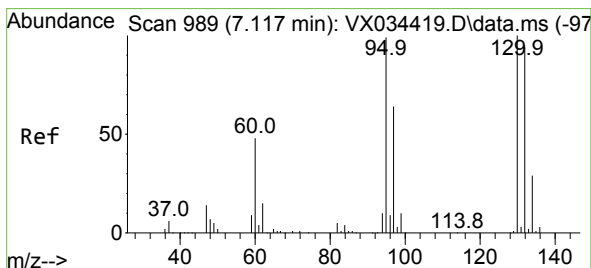
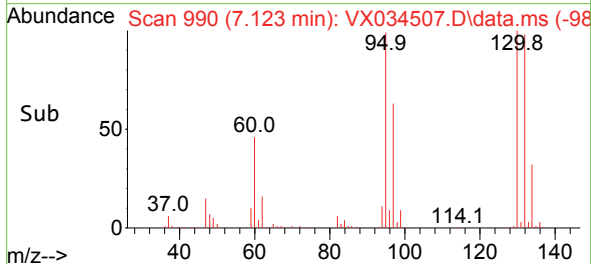
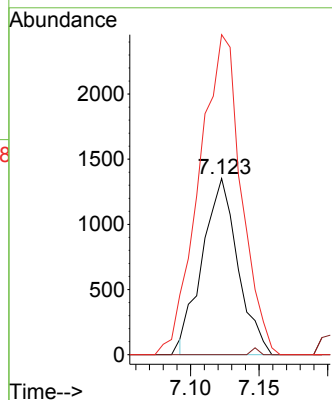
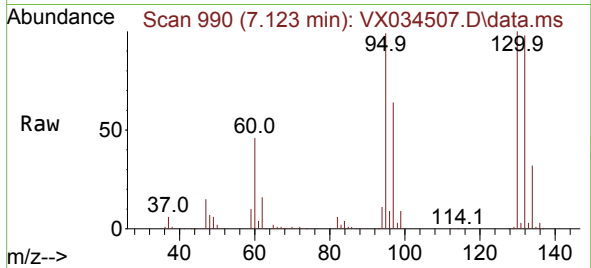




#39
Methylcyclohexane
Concen: 0.473 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

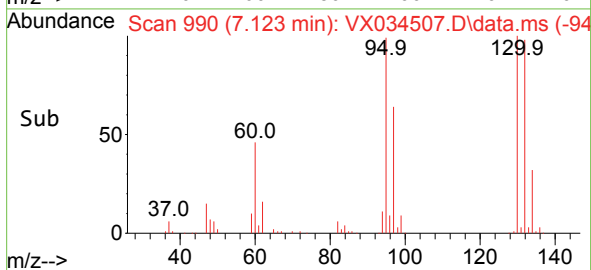
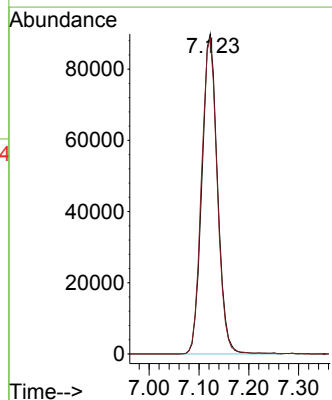
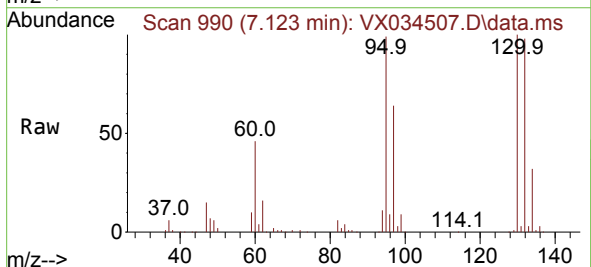
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310DL

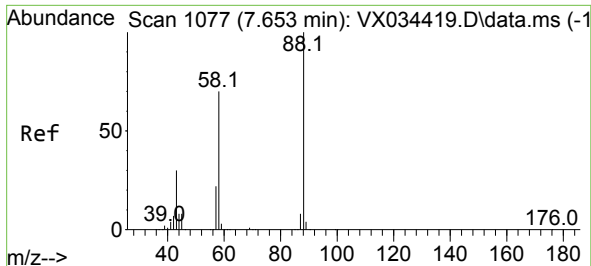
Tgt Ion: 83 Resp: 2426
Ion Ratio Lower Upper
83 100
55 0.0 60.5 90.7#
98 181.7 40.4 60.6#



#44
Trichloroethene
Concen: 59.807 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

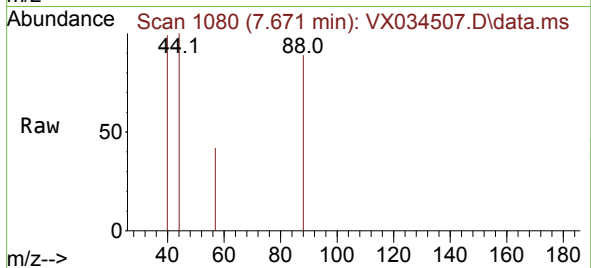
Tgt Ion:130 Resp: 194823
Ion Ratio Lower Upper
130 100
95 98.7 0.0 198.4





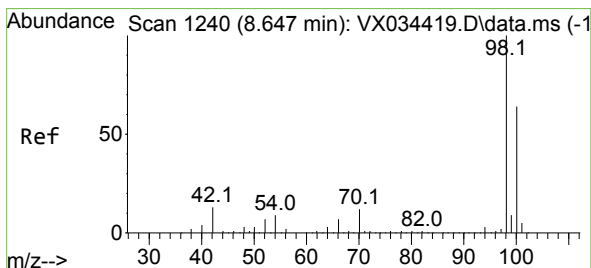
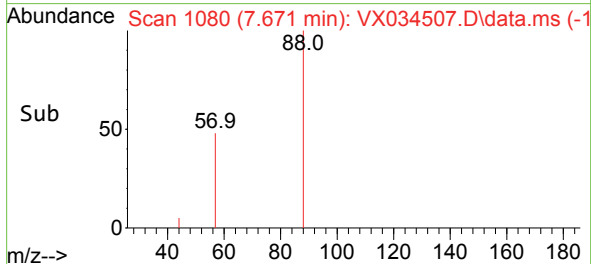
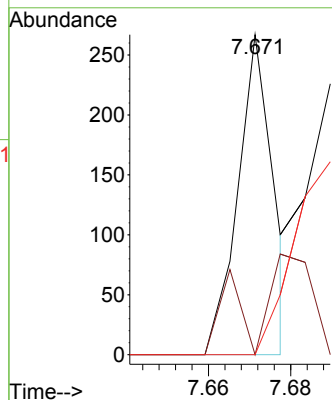
#49
1,4-Dioxane
Concen: 2.034 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.018 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310DL



Tgt Ion: 88 Resp: 163

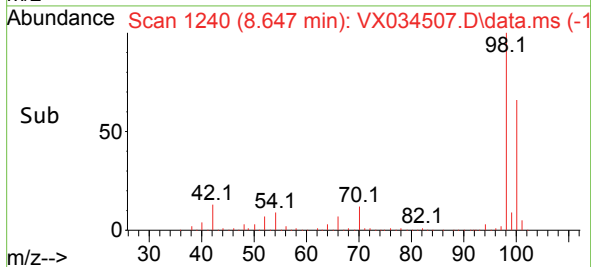
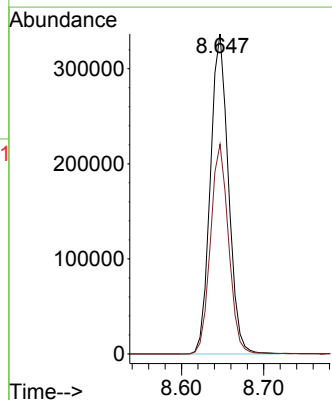
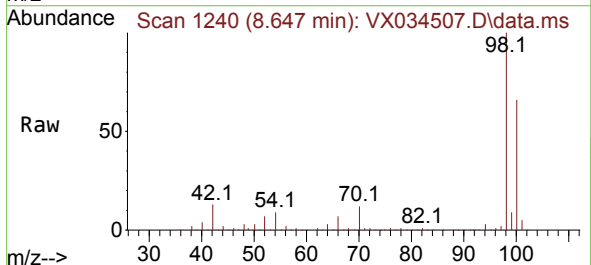
Ion	Ratio	Lower	Upper
88	100		
43	52.1	27.7	41.5#
58	0.0	56.8	85.2#

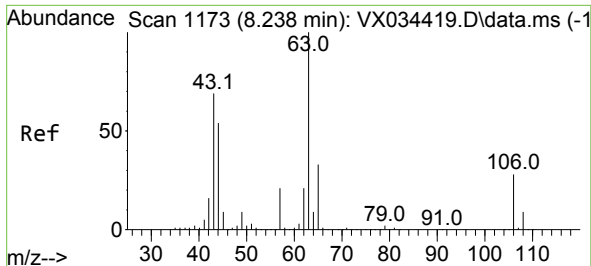


#50
Toluene-d8
Concen: 49.189 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

Tgt Ion: 98 Resp: 512376

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.5	78.7

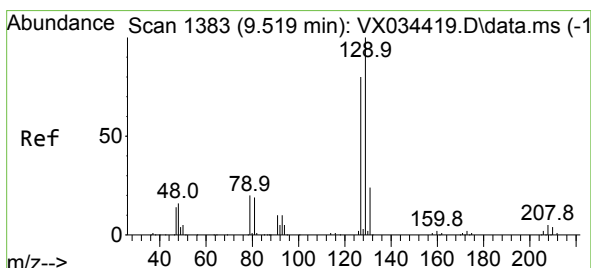
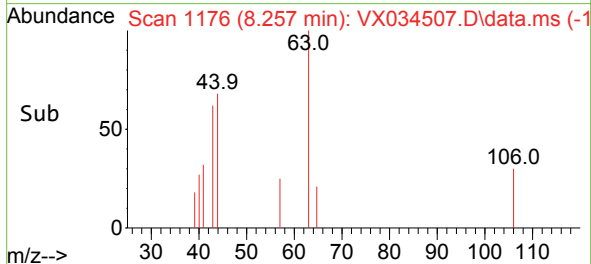
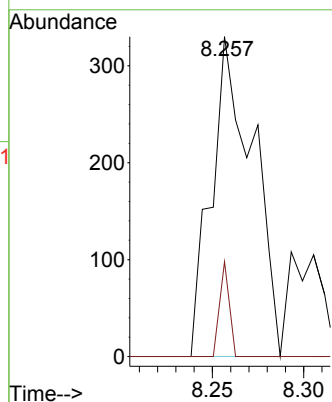
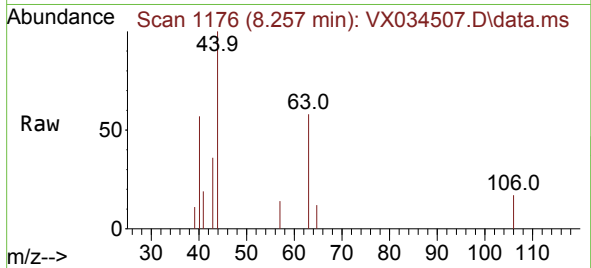




#58
2-Chloroethyl Vinyl ether
Concen: 0.201 ug/l
RT: 8.257 min Scan# 1176
Delta R.T. 0.018 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

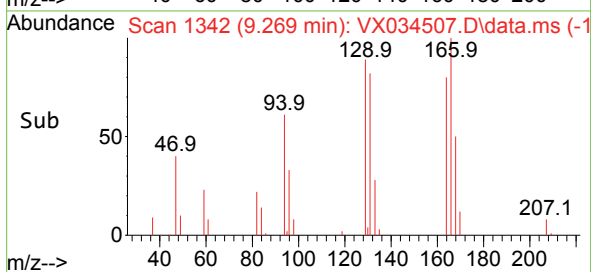
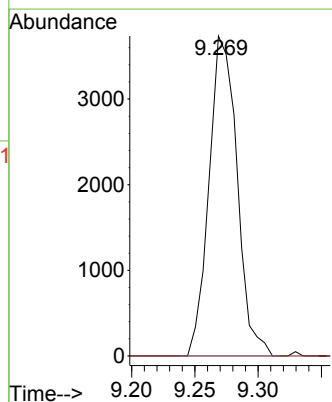
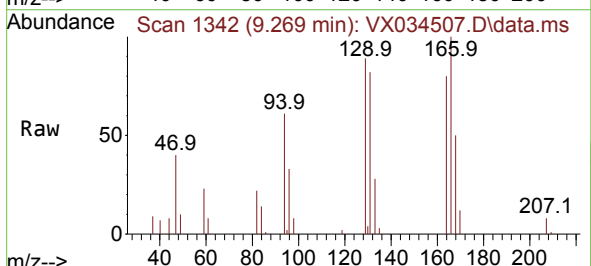
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310DL

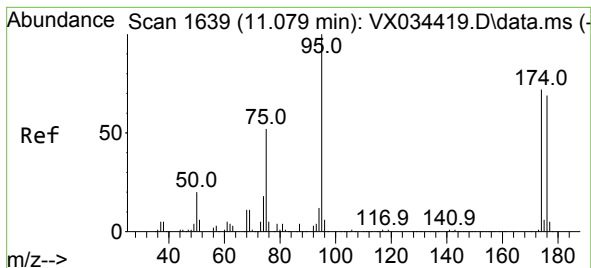
Tgt Ion: 63 Resp: 525
Ion Ratio Lower Upper
63 100
106 6.9 22.2 33.2#



#60
Dibromochloromethane
Concen: 1.786 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

Tgt Ion: 129 Resp: 5769
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

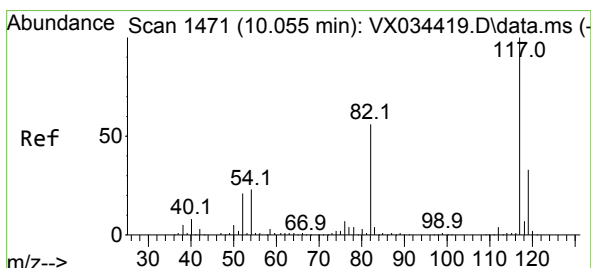
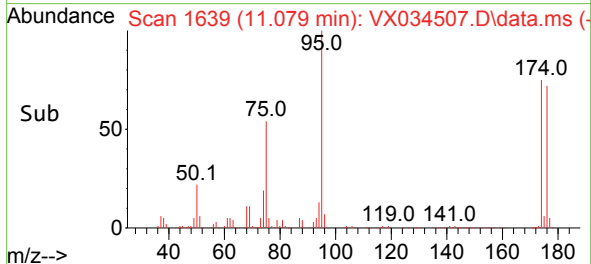
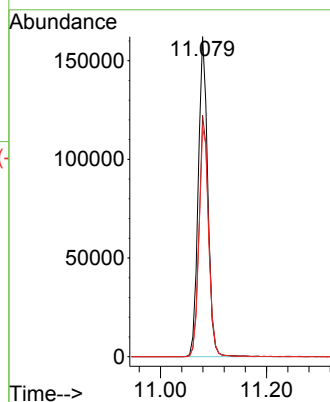
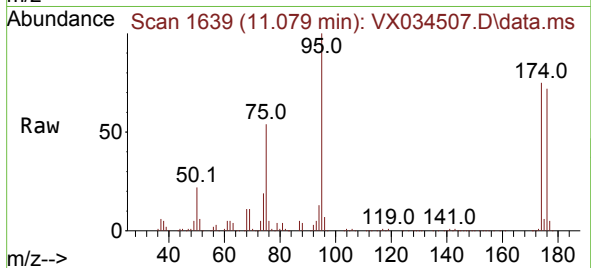




#62
4-Bromofluorobenzene
Concen: 47.834 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

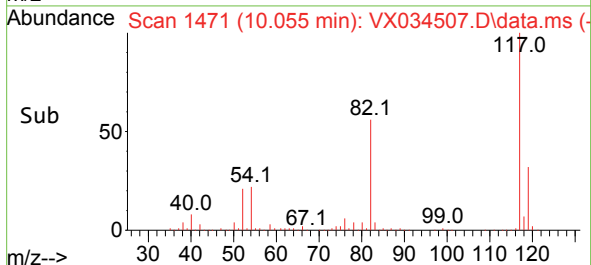
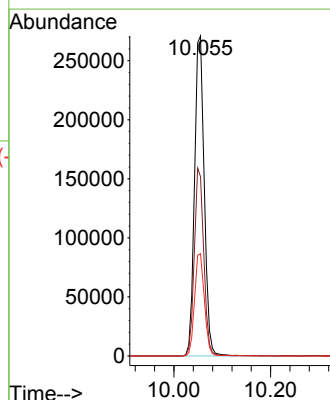
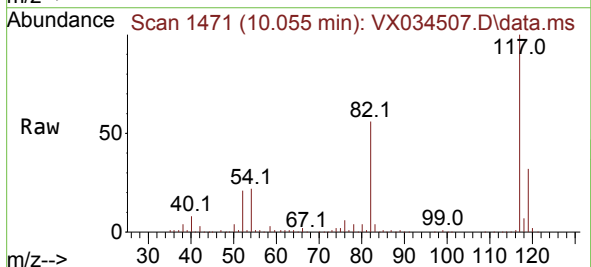
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310DL

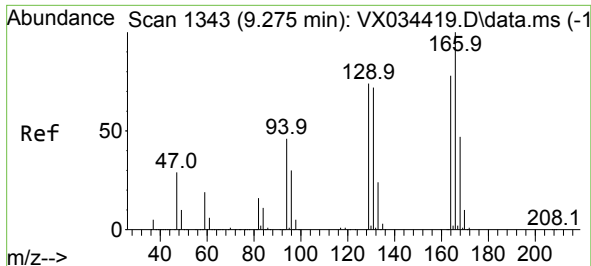
Tgt Ion: 95 Resp: 201259
Ion Ratio Lower Upper
95 100
174 76.1 0.0 147.4
176 73.2 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

Tgt Ion: 117 Resp: 377811
Ion Ratio Lower Upper
117 100
82 56.0 45.0 67.4
119 32.0 26.0 39.0



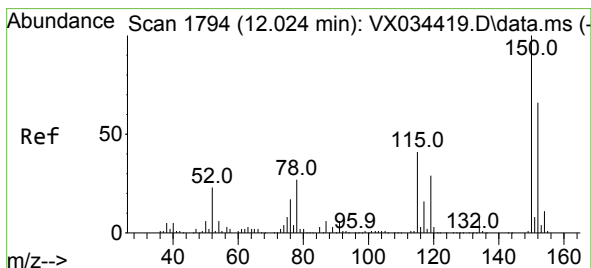
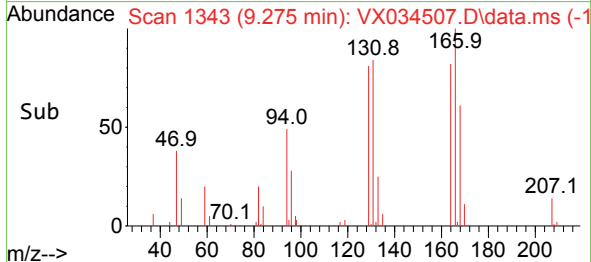
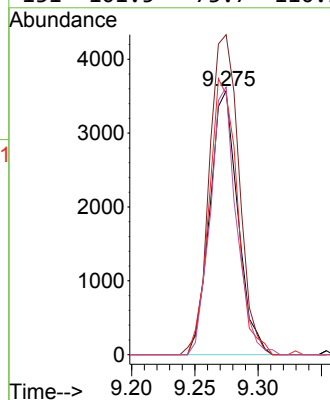
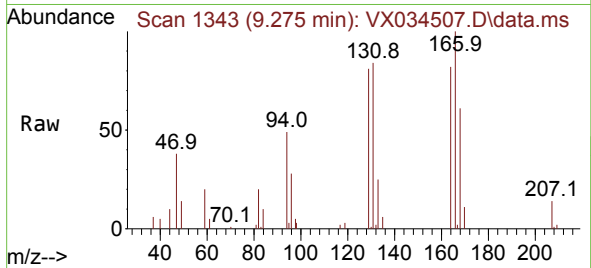


#64
Tetrachloroethene
Concen: 2.166 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310DL

Tgt Ion:164 Resp: 5498

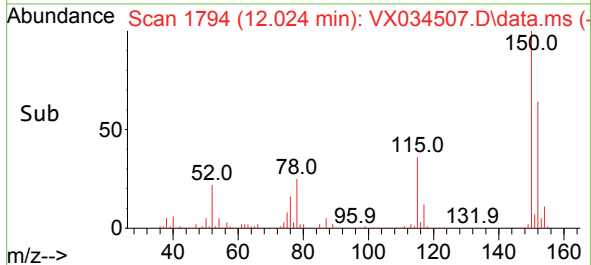
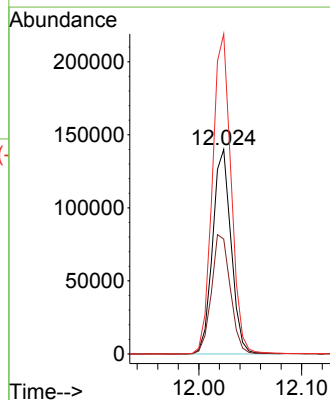
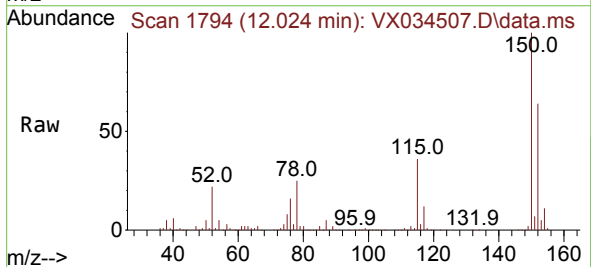
Ion	Ratio	Lower	Upper
164	100		
166	121.3	102.7	154.1
129	98.7	75.6	113.4
131	101.5	73.7	110.5

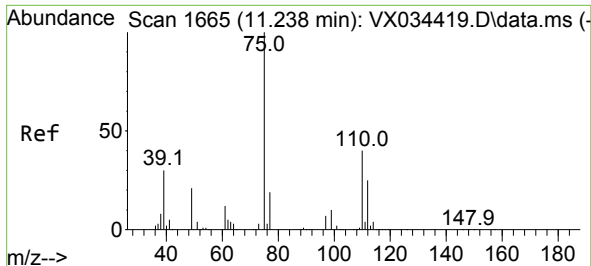


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

Tgt Ion:152 Resp: 174968

Ion	Ratio	Lower	Upper
152	100		
115	60.0	45.0	135.0
150	158.6	0.0	352.4

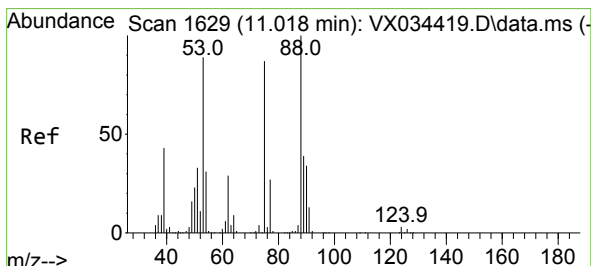
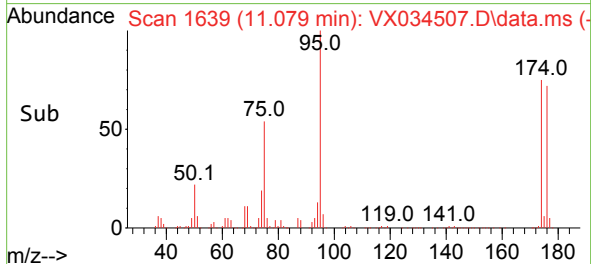
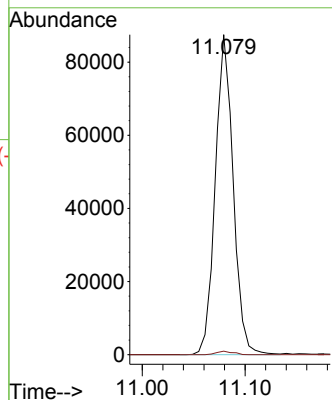
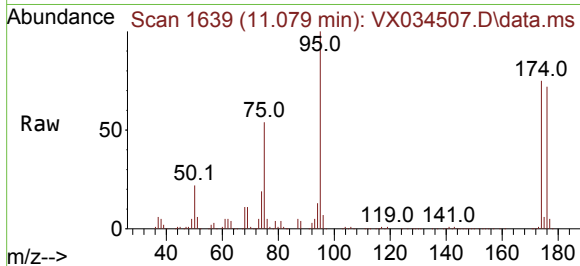




#76
1,2,3-Trichloropropane
Concen: 26.274 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

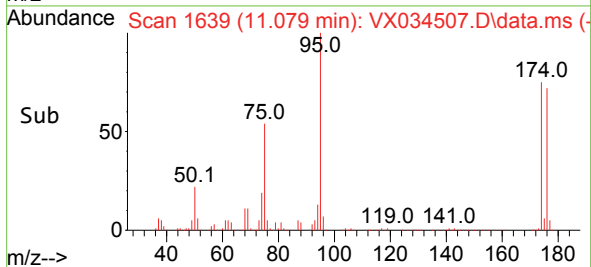
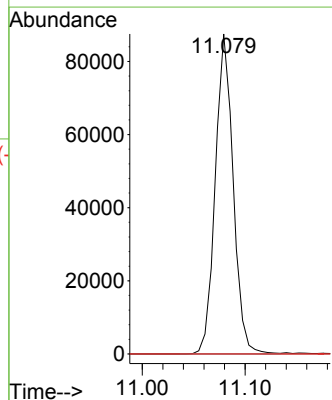
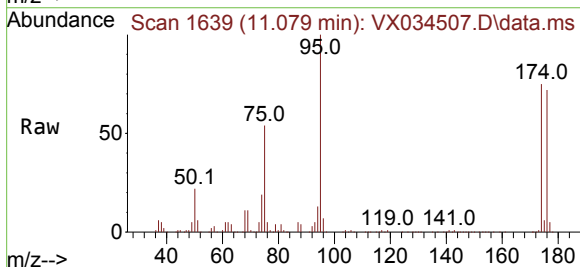
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310DL

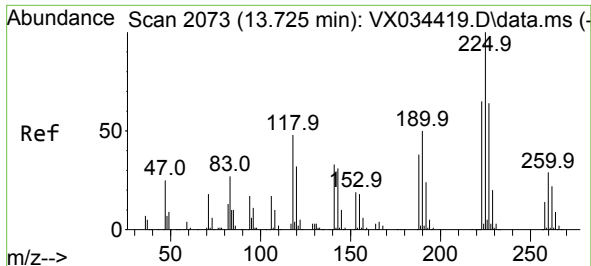
Tgt Ion: 75 Resp: 105557
Ion Ratio Lower Upper
75 100
77 1.0 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.080 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

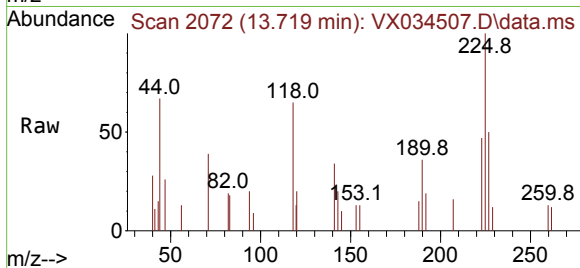
Tgt Ion: 75 Resp: 105557
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



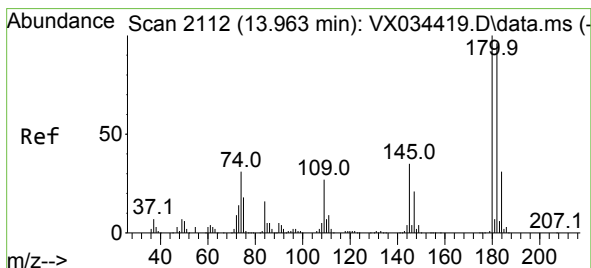
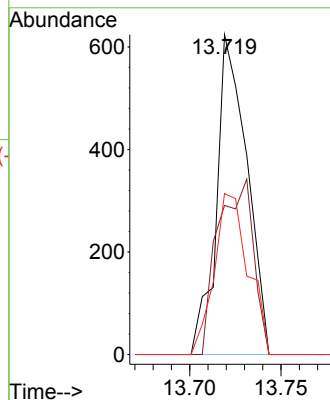
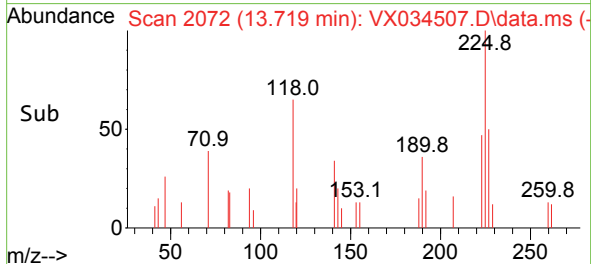


#94
Hexachlorobutadiene
Concen: 0.466 ug/l
RT: 13.719 min Scan# 2073
Delta R.T. -0.006 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48

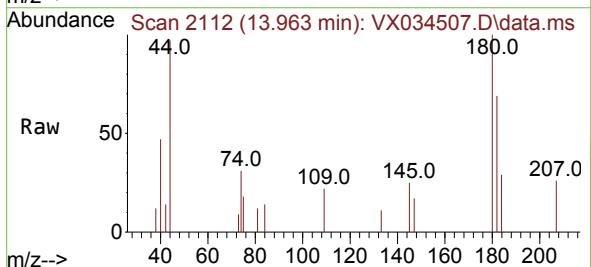
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310DL



Tgt Ion:225 Resp: 721
Ion Ratio Lower Upper
225 100
223 63.9 32.1 96.5
227 56.6 31.8 95.4



#96
1,2,3-Trichlorobenzene
Concen: 0.207 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX034507.D
Acq: 15 Mar 2023 14:48



Tgt Ion:180 Resp: 778
Ion Ratio Lower Upper
180 100
182 79.4 48.0 144.2
145 33.3 17.7 53.1

