

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031423\
 Data File : VX034465.D
 Acq On : 14 Mar 2023 15:20
 Operator : JC/MD
 Sample : 01880-02 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D2-20230309DL

Quant Time: Mar 15 06:41:54 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

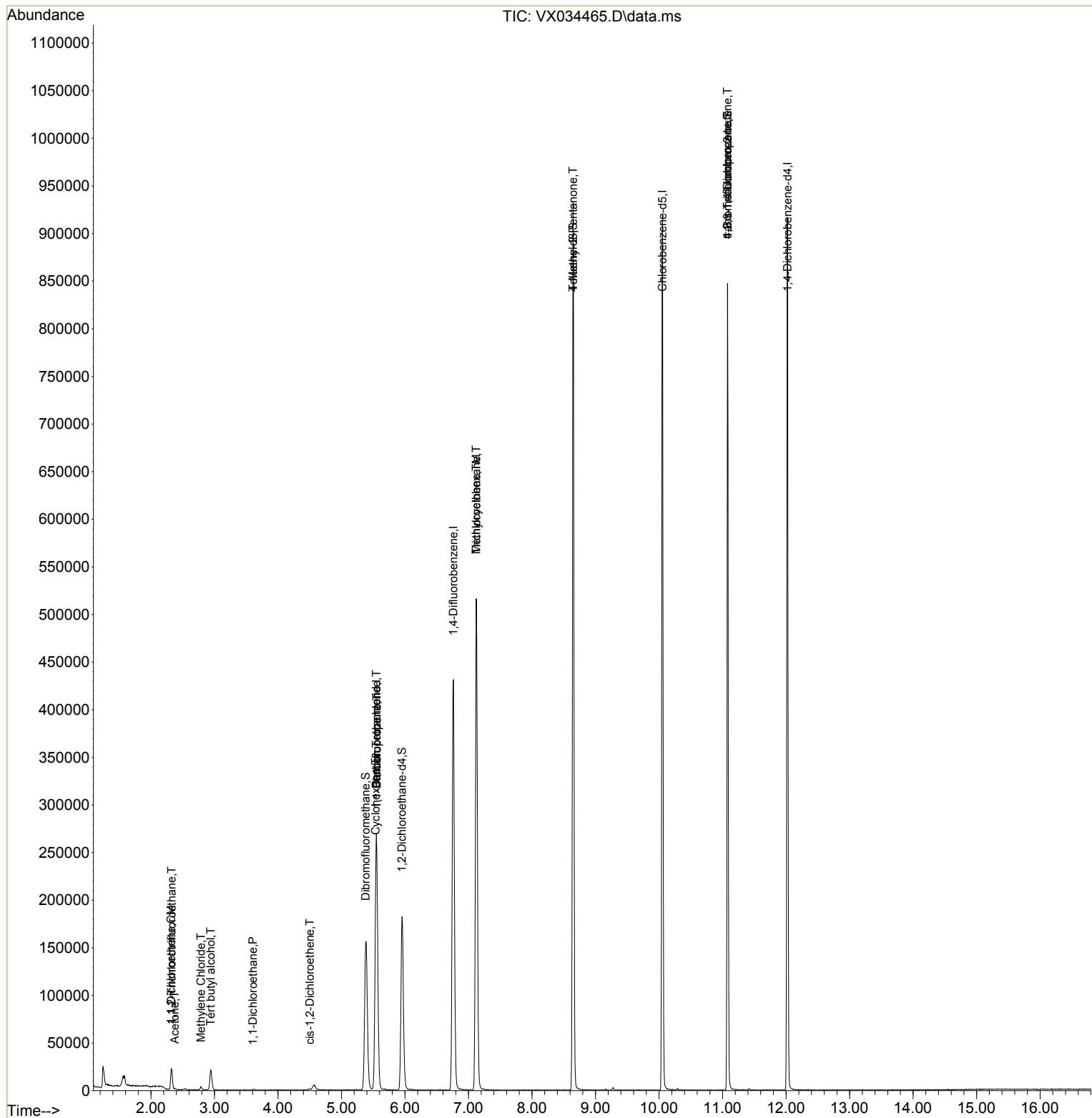
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	256542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	440641	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	404963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	193339	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	171430	45.933	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.860%
35) Dibromofluoromethane	5.379	113	138871	47.733	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.460%
50) Toluene-d8	8.647	98	539015	49.630	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.260%
62) 4-Bromofluorobenzene	11.079	95	212337	48.403	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	531	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	2.325	101	4751	1.666	ug/l	96
11) Tert butyl alcohol	2.940	59	12224	15.728	ug/l #	76
12) 1,1-Dichloroethene	2.318	96	4260	1.517	ug/l	86
16) Acetone	2.373	43	1224	0.696	ug/l #	68
20) Methylene Chloride	2.788	84	1478	0.433	ug/l #	87
24) 1,1-Dichloroethane	3.605	63	1233	0.211	ug/l #	81
27) cis-1,2-Dichloroethene	4.501	96	841	0.234	ug/l	90
31) Cyclohexane	5.537	56	5781	1.104	ug/l #	11
36) 1,1-Dichloropropene	5.556	75	20288	4.540	ug/l #	51
38) Carbon Tetrachloride	5.550	117	26131	5.878	ug/l #	16
39) Methylcyclohexane	7.122	83	2295	0.429	ug/l #	1
44) Trichloroethene	7.122	130	195482	57.554	ug/l	97
51) 4-Methyl-2-Pentanone	8.647	43	2768	0.577	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	109989	24.776	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	109989	67.027	ug/l #	8

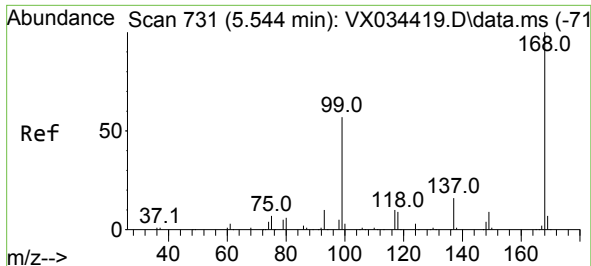
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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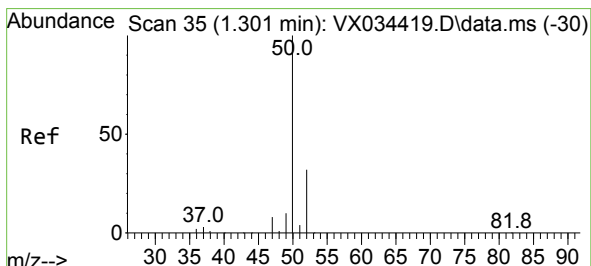
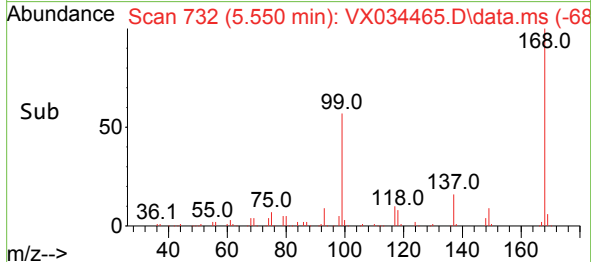
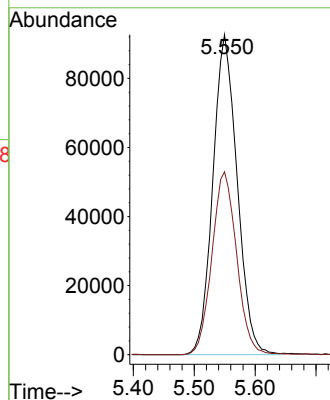
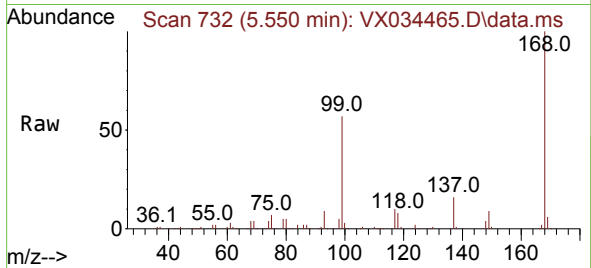




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034465.D
Acq: 14 Mar 2023 15:20

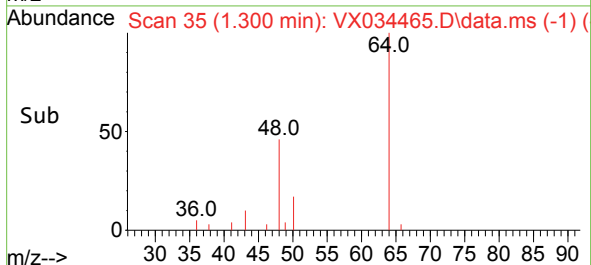
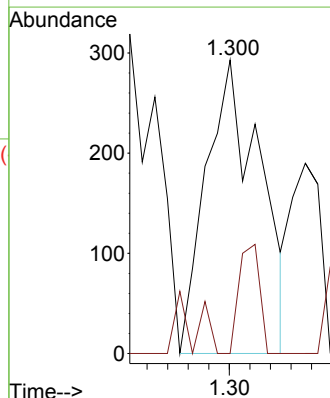
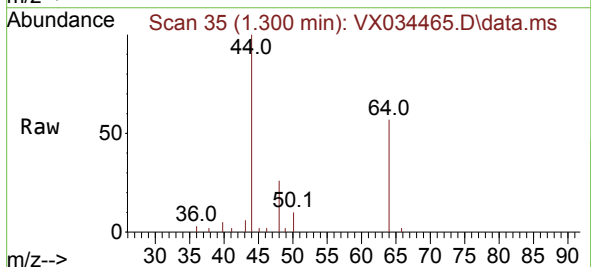
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20230309DL

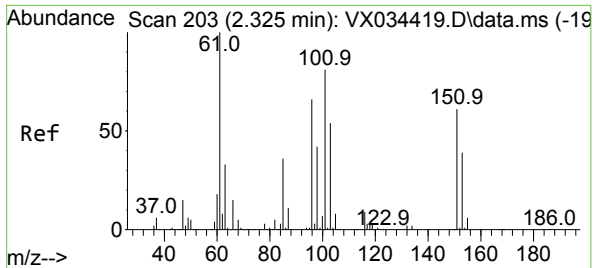
Tgt Ion:168 Resp: 256542
Ion Ratio Lower Upper
168 100
99 57.2 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.300 min Scan# 35
Delta R.T. -0.001 min
Lab File: VX034465.D
Acq: 14 Mar 2023 15:20

Tgt Ion: 50 Resp: 531
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

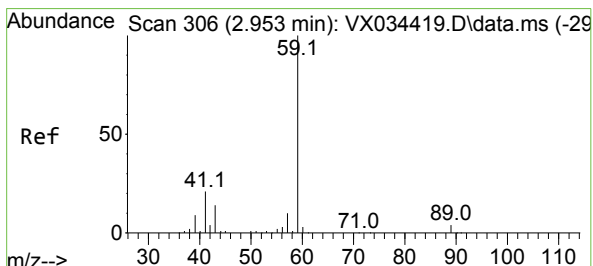
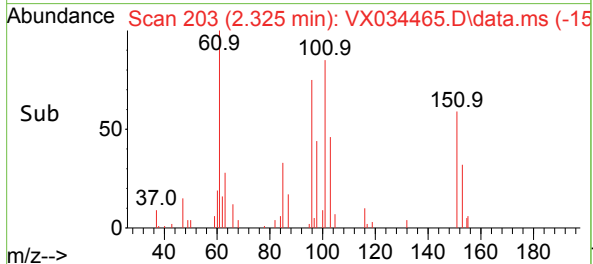
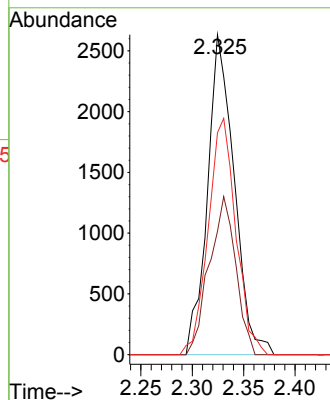
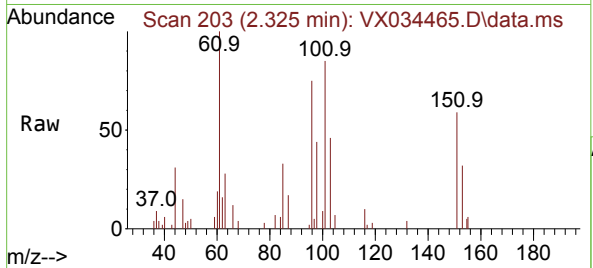




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.666 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX034465.D
Acq: 14 Mar 2023 15:20

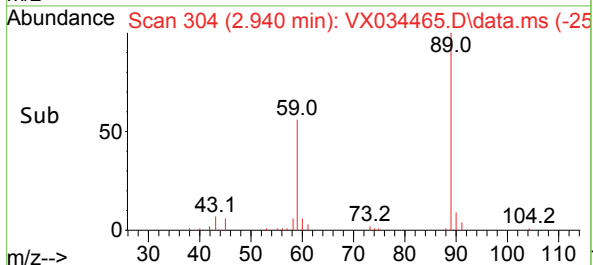
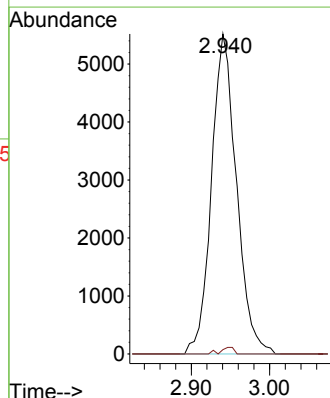
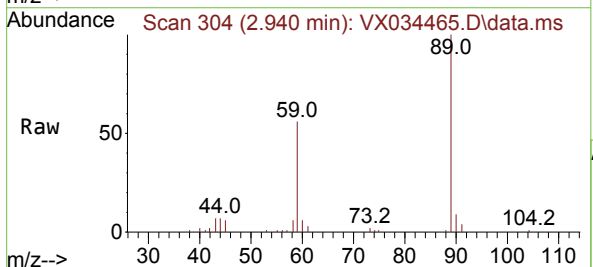
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20230309DL

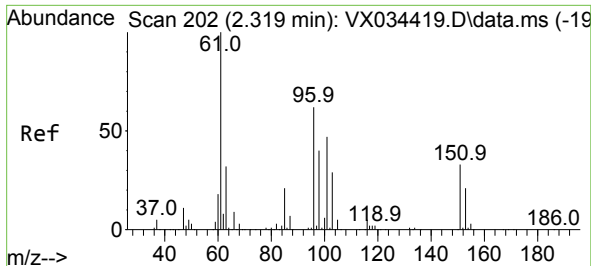
Tgt Ion:101 Resp: 4751
Ion Ratio Lower Upper
101 100
85 48.9 35.4 53.2
151 76.6 60.2 90.4



#11
Tert butyl alcohol
Concen: 15.728 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.012 min
Lab File: VX034465.D
Acq: 14 Mar 2023 15:20

Tgt Ion: 59 Resp: 12224
Ion Ratio Lower Upper
59 100
57 1.1 8.1 12.1#





#12

1,1-Dichloroethene

Concen: 1.517 ug/l

RT: 2.318 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX034465.D

Acq: 14 Mar 2023 15:20

Instrument :

MSVOA_X

ClientSampleId :

RE115D2-20230309DL

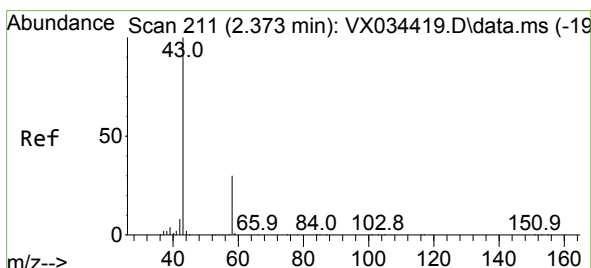
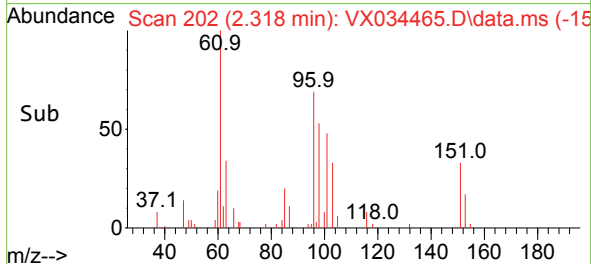
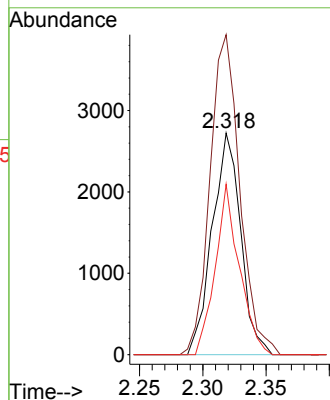
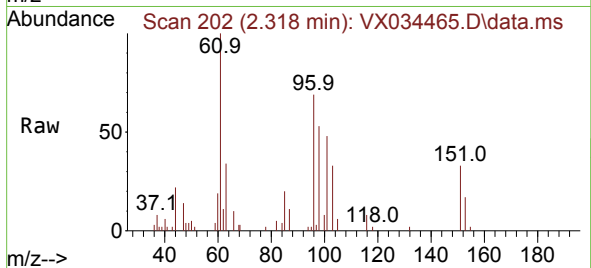
Tgt Ion: 96 Resp: 4260

Ion Ratio Lower Upper

96 100

61 144.5 128.8 193.2

98 76.9 51.4 77.0



#16

Acetone

Concen: 0.696 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX034465.D

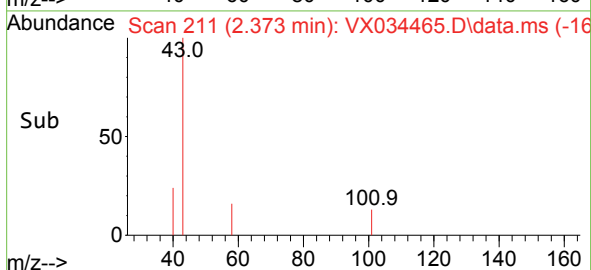
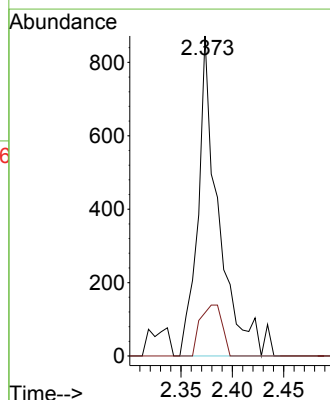
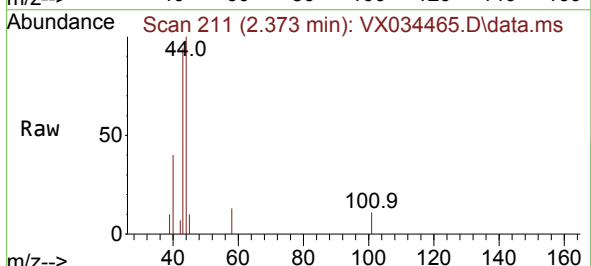
Acq: 14 Mar 2023 15:20

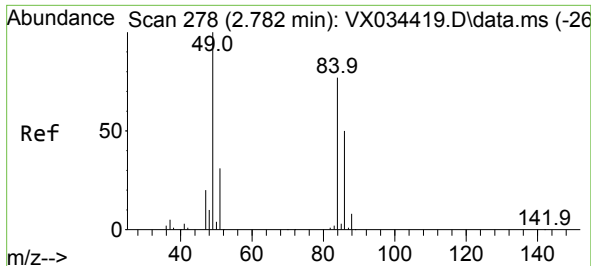
Tgt Ion: 43 Resp: 1224

Ion Ratio Lower Upper

43 100

58 13.5 24.7 37.1#

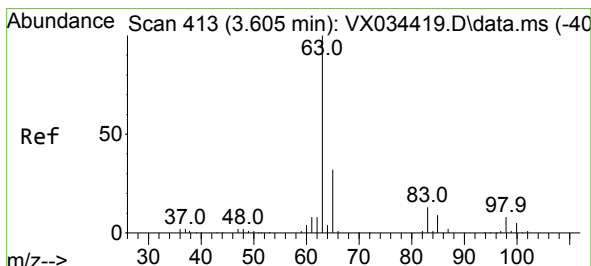
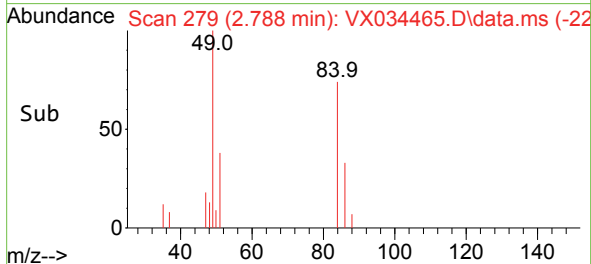
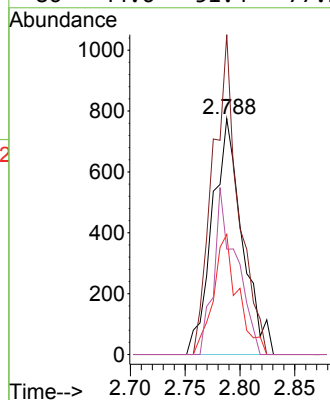
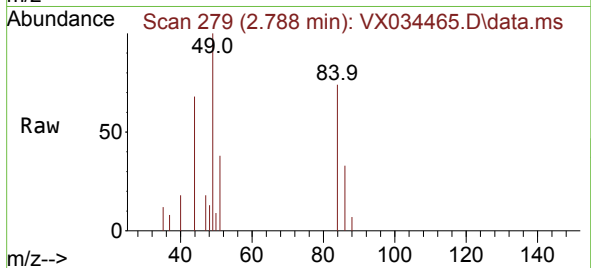




#20
Methylene Chloride
Concen: 0.433 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034465.D
Acq: 14 Mar 2023 15:20

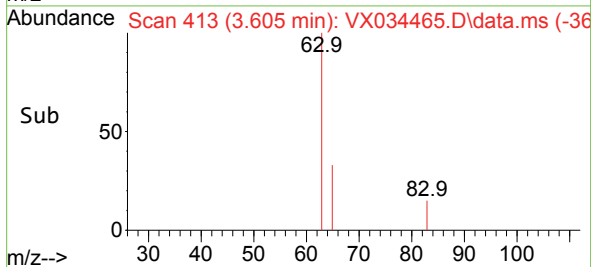
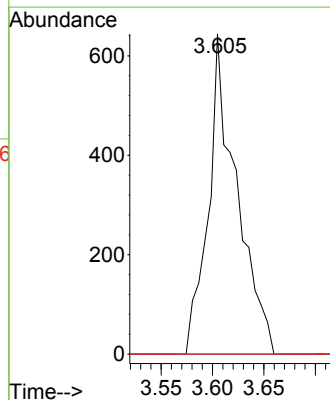
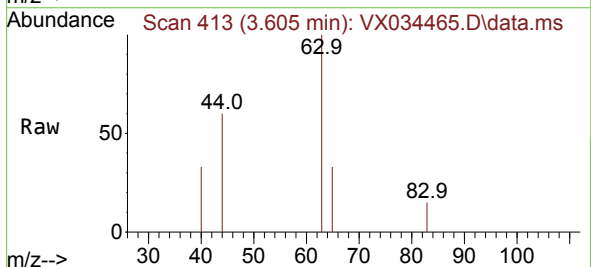
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20230309DL

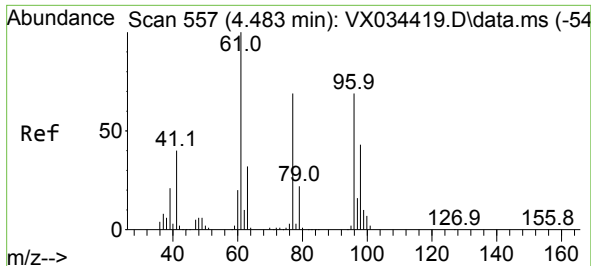
Tgt Ion:	84	Resp:	1478
Ion	Ratio	Lower	Upper
84	100		
49	135.6	103.8	155.8
51	51.0	31.8	47.8#
86	44.6	51.4	77.2#



#24
1,1-Dichloroethane
Concen: 0.211 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX034465.D
Acq: 14 Mar 2023 15:20

Tgt Ion:	63	Resp:	1233
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2#
100	0.0	2.4	7.1#





#27

cis-1,2-Dichloroethene

Concen: 0.234 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.018 min

Lab File: VX034465.D

Acq: 14 Mar 2023 15:20

Instrument :

MSVOA_X

ClientSampleId :

RE115D2-20230309DL

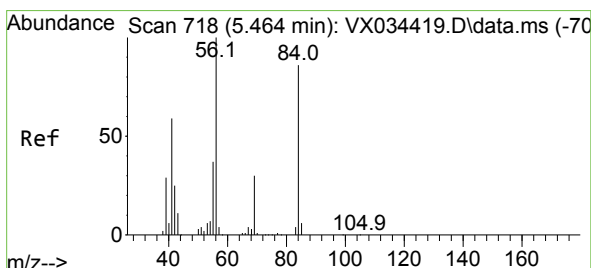
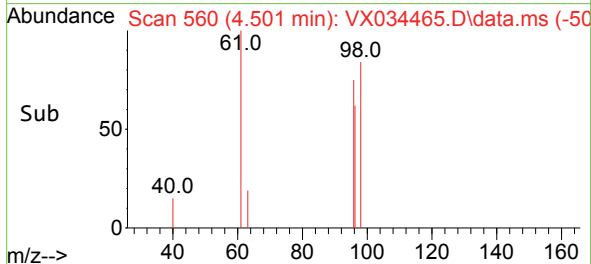
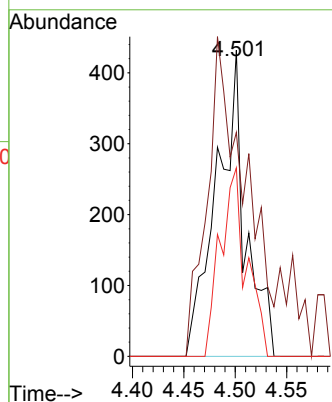
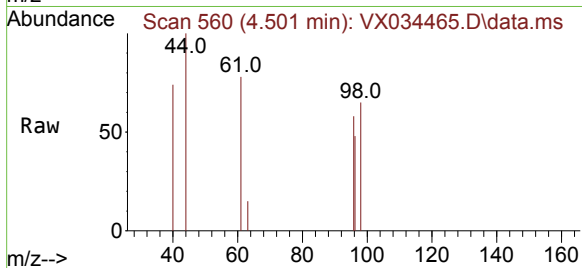
Tgt Ion: 96 Resp: 841

Ion Ratio Lower Upper

96 100

61 137.7 0.0 300.4

98 55.9 0.0 129.0



#31

Cyclohexane

Concen: 1.104 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX034465.D

Acq: 14 Mar 2023 15:20

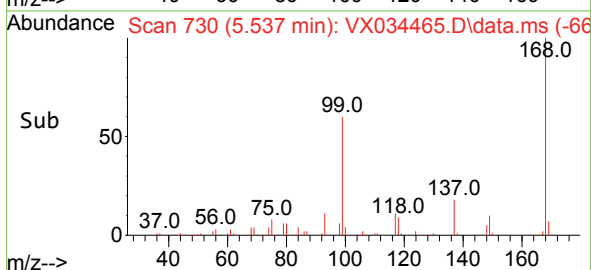
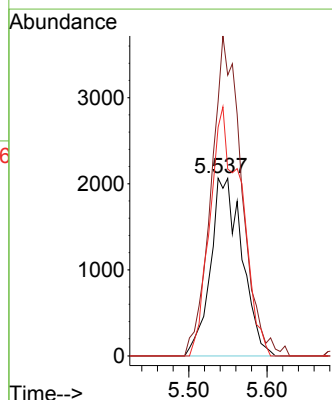
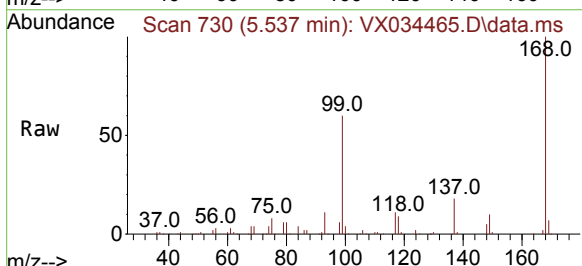
Tgt Ion: 56 Resp: 5781

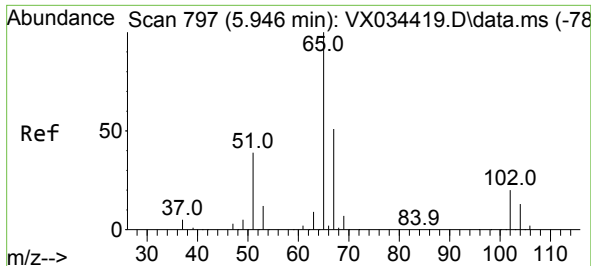
Ion Ratio Lower Upper

56 100

69 143.2 23.7 35.5#

84 128.7 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 45.933 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX034465.D

Acq: 14 Mar 2023 15:20

Instrument :

MSVOA_X

ClientSampleId :

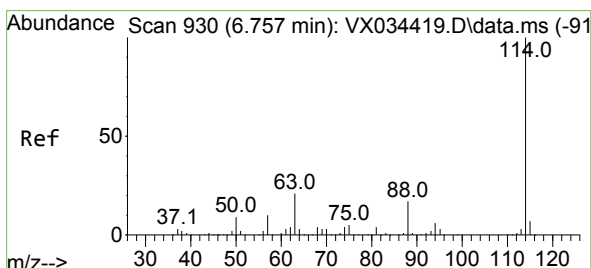
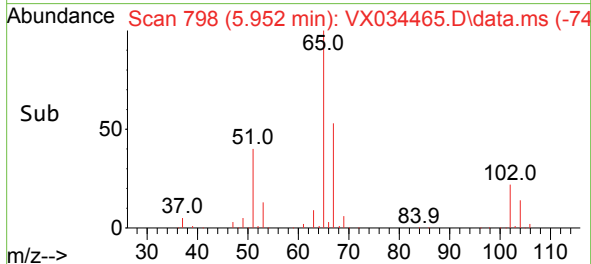
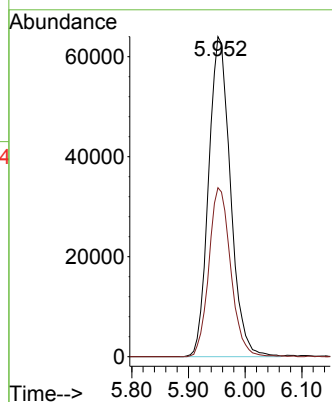
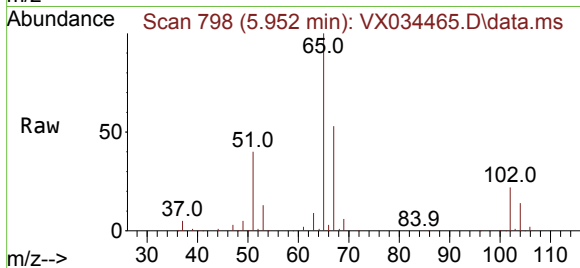
RE115D2-20230309DL

Tgt Ion: 65 Resp: 171430

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034465.D

Acq: 14 Mar 2023 15:20

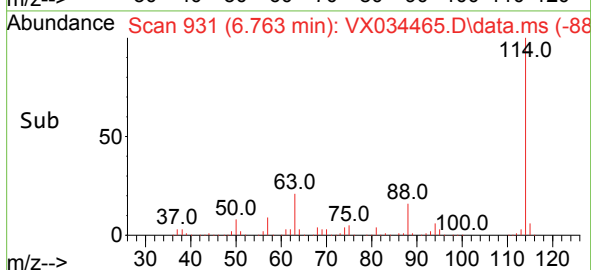
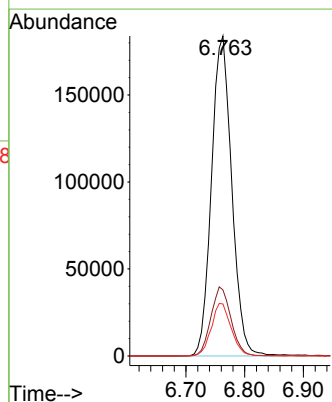
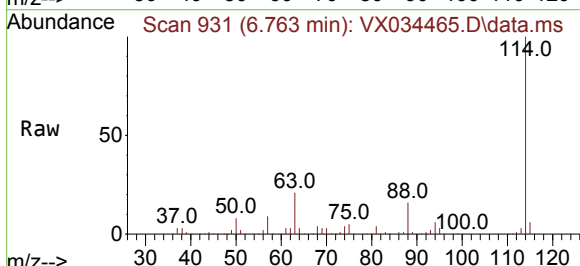
Tgt Ion: 114 Resp: 440641

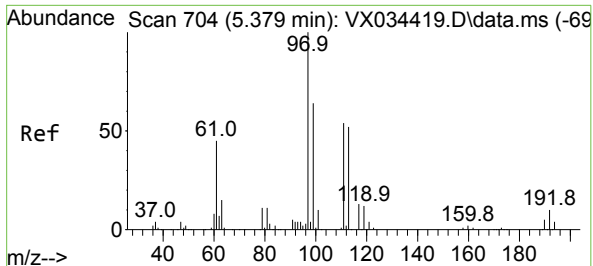
Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.2

88 16.2 0.0 33.2

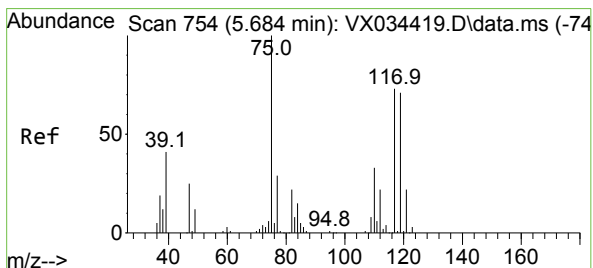
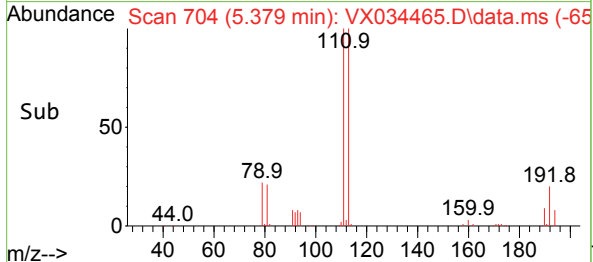
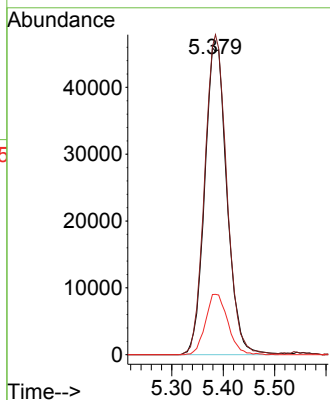
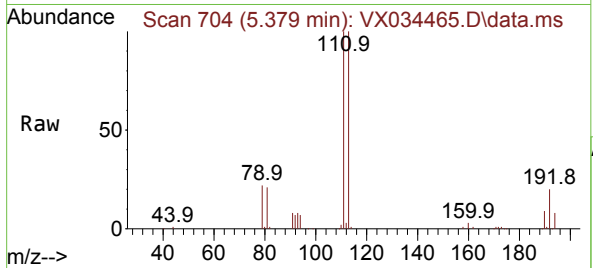




#35
Dibromofluoromethane
Concen: 47.733 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX034465.D
Acq: 14 Mar 2023 15:20

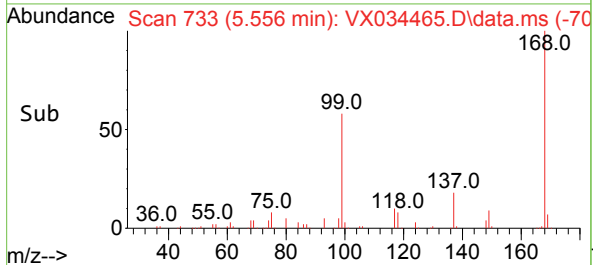
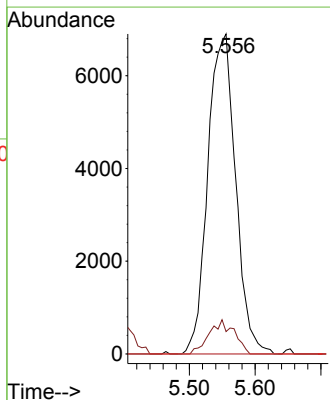
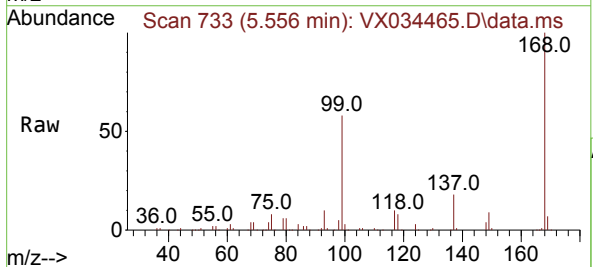
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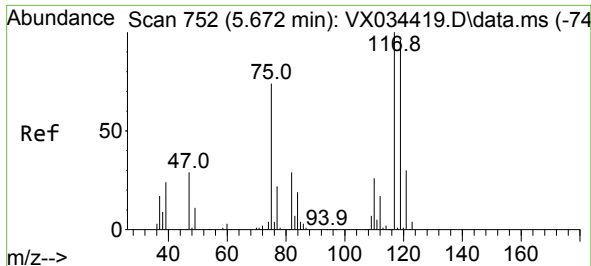
Tgt Ion:113 Resp: 138871
Ion Ratio Lower Upper
113 100
111 102.9 83.7 125.5
192 19.6 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.540 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX034465.D
Acq: 14 Mar 2023 15:20

Tgt Ion: 75 Resp: 20288
Ion Ratio Lower Upper
75 100
110 9.6 17.5 52.5#
77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.878 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.122 min

Lab File: VX034465.D

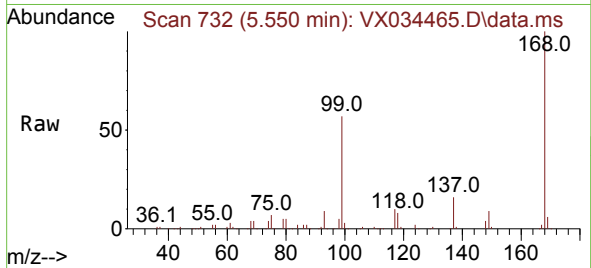
Acq: 14 Mar 2023 15:20

Instrument :

MSVOA_X

ClientSampleId :

RE115D2-20230309DL



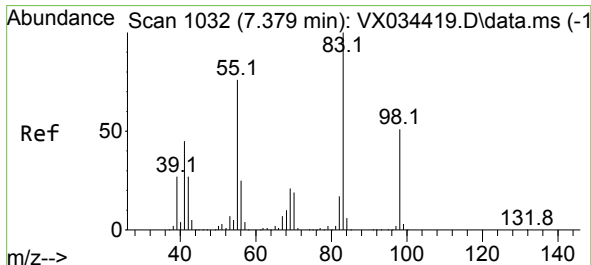
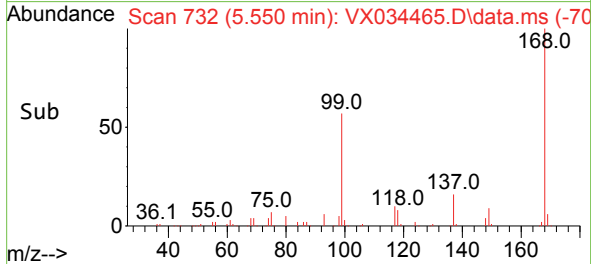
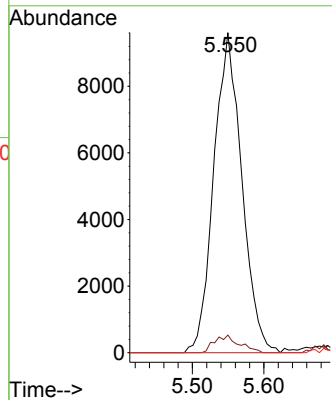
Tgt Ion:117 Resp: 26131

Ion Ratio Lower Upper

117 100

119 5.5 76.6 114.8#

121 0.0 23.8 35.6#



#39

Methylcyclohexane

Concen: 0.429 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.256 min

Lab File: VX034465.D

Acq: 14 Mar 2023 15:20

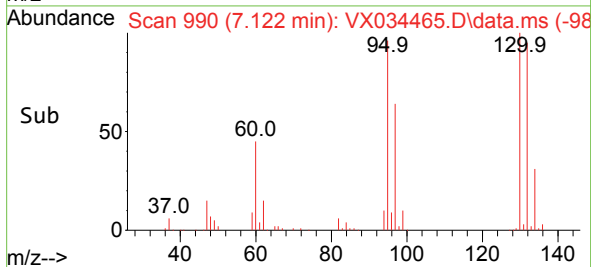
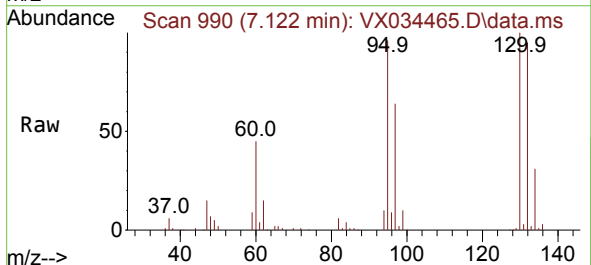
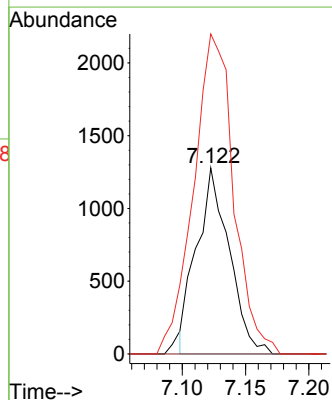
Tgt Ion: 83 Resp: 2295

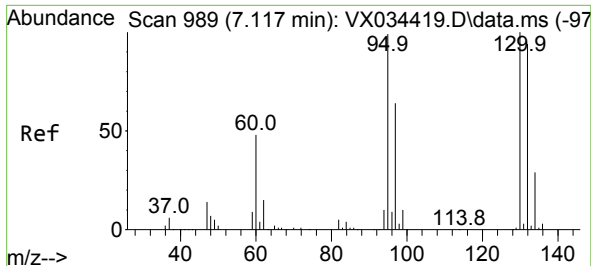
Ion Ratio Lower Upper

83 100

55 0.0 60.5 90.7#

98 171.9 40.4 60.6#

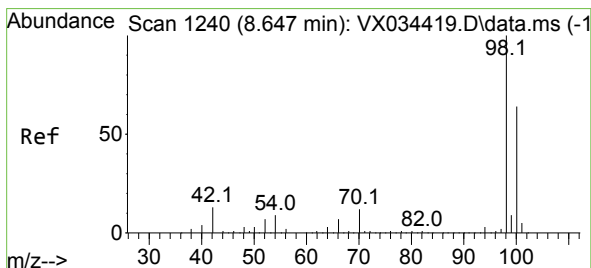
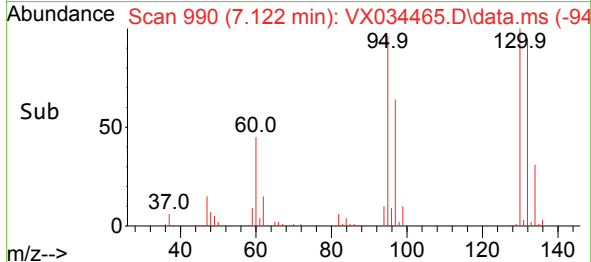
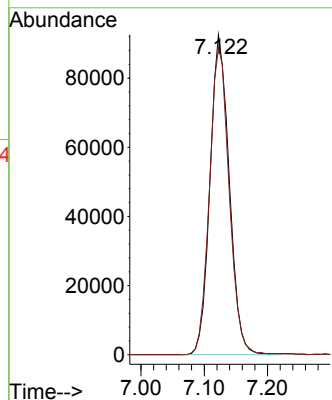
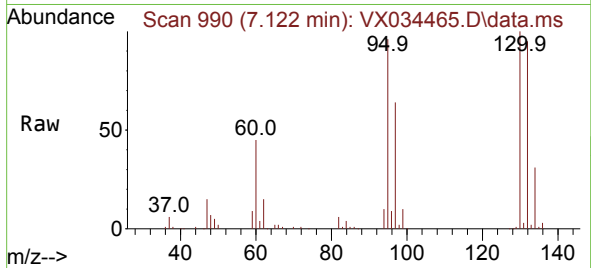




#44
Trichloroethene
Concen: 57.554 ug/l
RT: 7.122 min Scan# 94
Delta R.T. 0.006 min
Lab File: VX034465.D
Acq: 14 Mar 2023 15:20

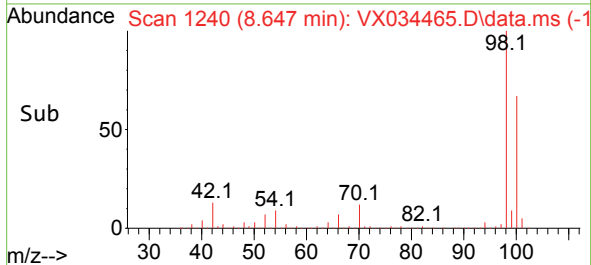
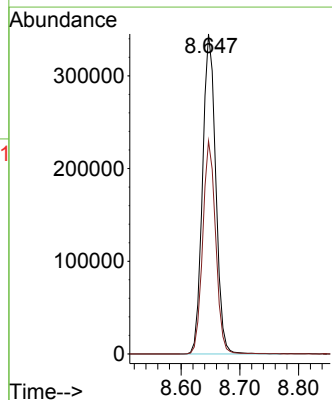
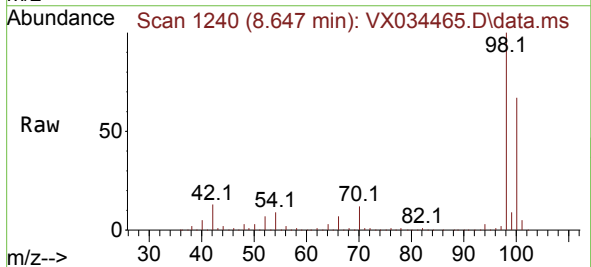
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20230309DL

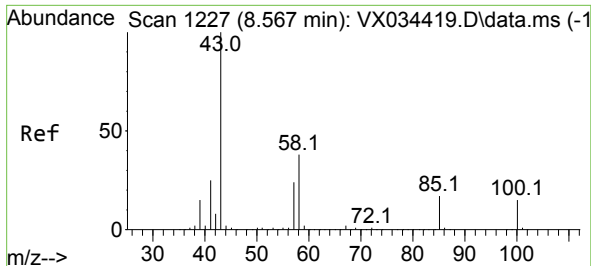
Tgt Ion:130 Resp: 195482
Ion Ratio Lower Upper
130 100
95 95.9 0.0 198.4



#50
Toluene-d8
Concen: 49.630 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX034465.D
Acq: 14 Mar 2023 15:20

Tgt Ion: 98 Resp: 539015
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7

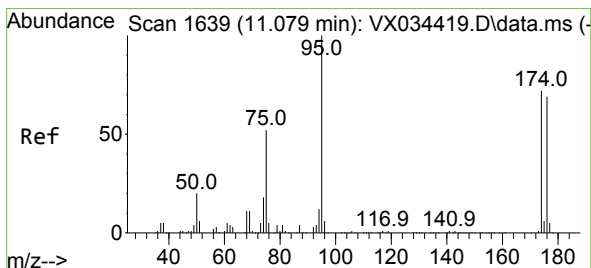
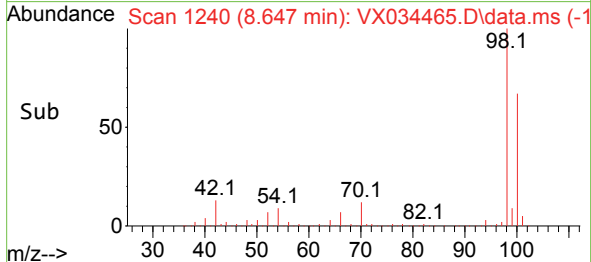
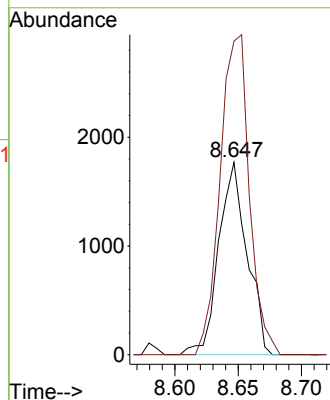
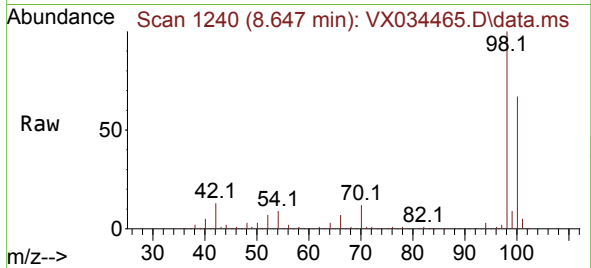




#51
4-Methyl-2-Pentanone
Concen: 0.577 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX034465.D
Acq: 14 Mar 2023 15:20

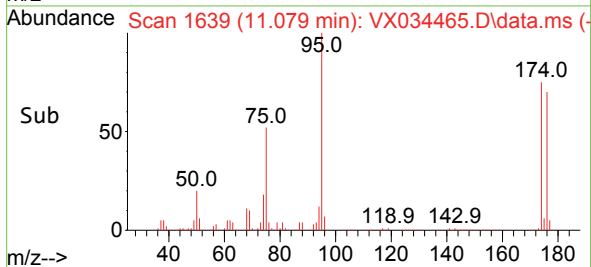
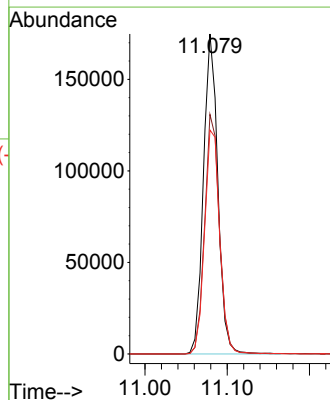
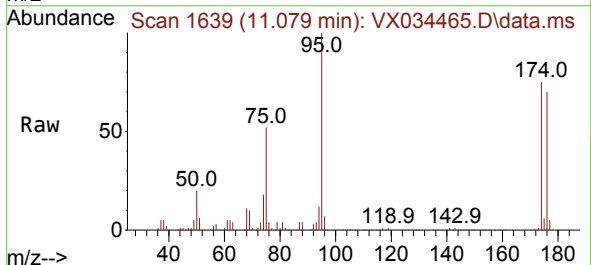
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20230309DL

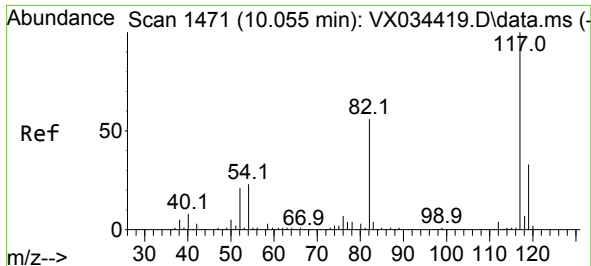
Tgt Ion: 43 Resp: 2768
Ion Ratio Lower Upper
43 100
58 170.8 30.6 46.0#



#62
4-Bromofluorobenzene
Concen: 48.403 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034465.D
Acq: 14 Mar 2023 15:20

Tgt Ion: 95 Resp: 212337
Ion Ratio Lower Upper
95 100
174 77.0 0.0 147.4
176 74.3 0.0 140.6

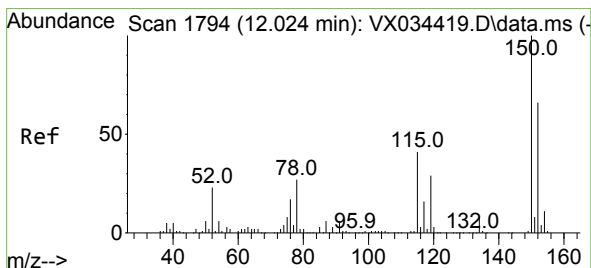
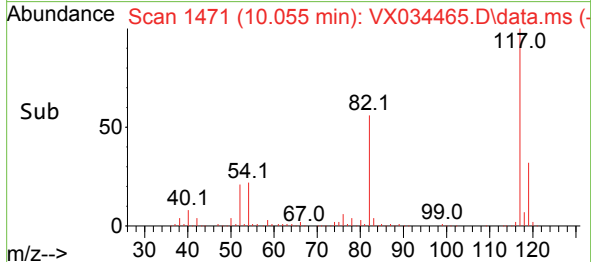
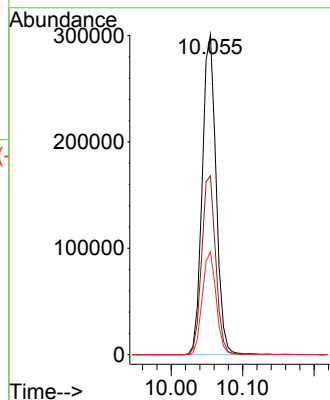
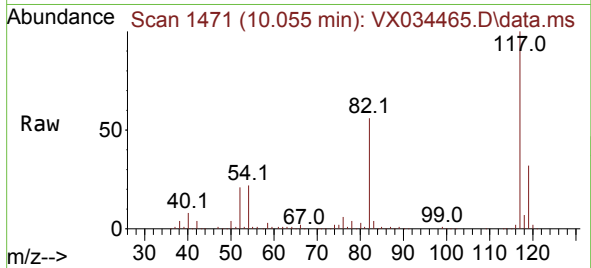




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034465.D
Acq: 14 Mar 2023 15:20

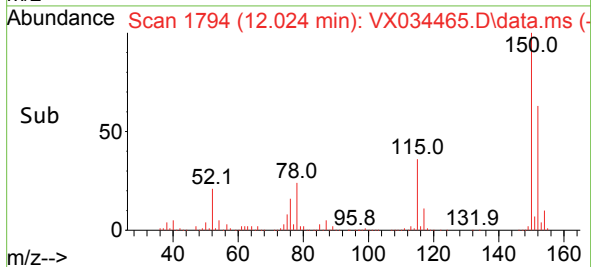
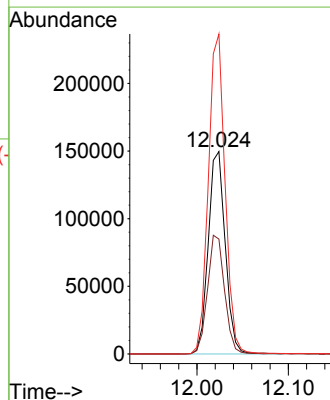
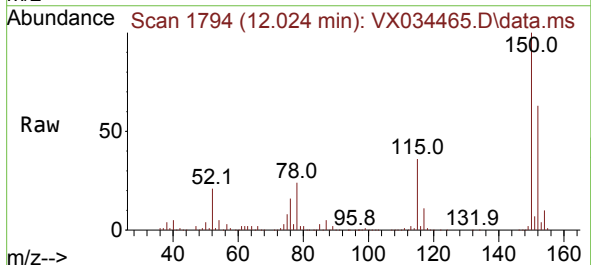
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20230309DL

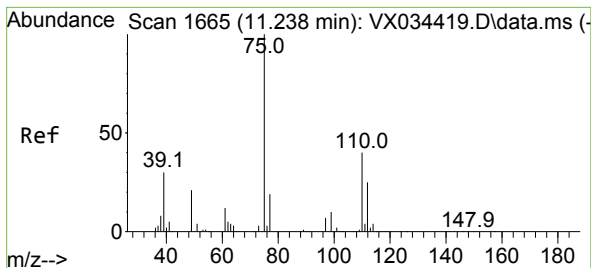
Tgt Ion:117 Resp: 404963
Ion Ratio Lower Upper
117 100
82 55.9 45.0 67.4
119 32.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034465.D
Acq: 14 Mar 2023 15:20

Tgt Ion:152 Resp: 193339
Ion Ratio Lower Upper
152 100
115 58.9 45.0 135.0
150 155.8 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 24.776 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034465.D

Acq: 14 Mar 2023 15:20

Instrument :

MSVOA_X

ClientSampleId :

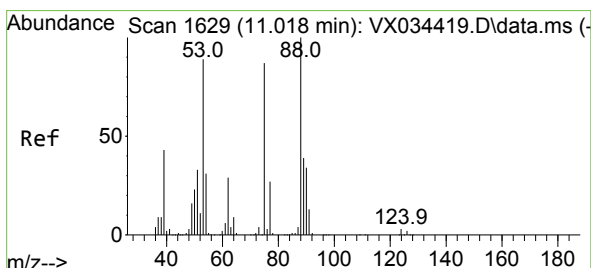
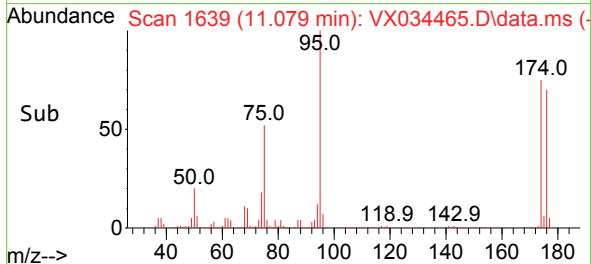
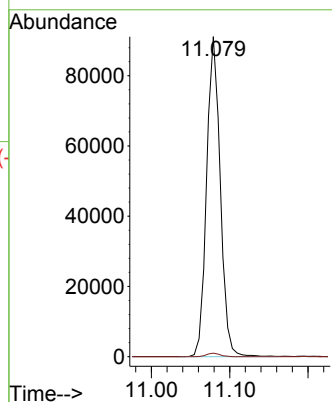
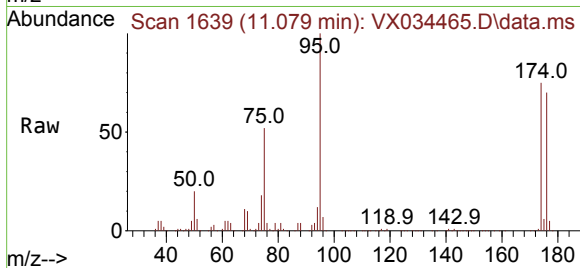
RE115D2-20230309DL

Tgt Ion: 75 Resp: 109989

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.027 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034465.D

Acq: 14 Mar 2023 15:20

Tgt Ion: 75 Resp: 109989

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

