

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022924\
 Data File : VX040537.D
 Acq On : 29 Feb 2024 15:13
 Operator : JC/MD
 Sample : P1641-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OF-2

Quant Time: Mar 01 03:48:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

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

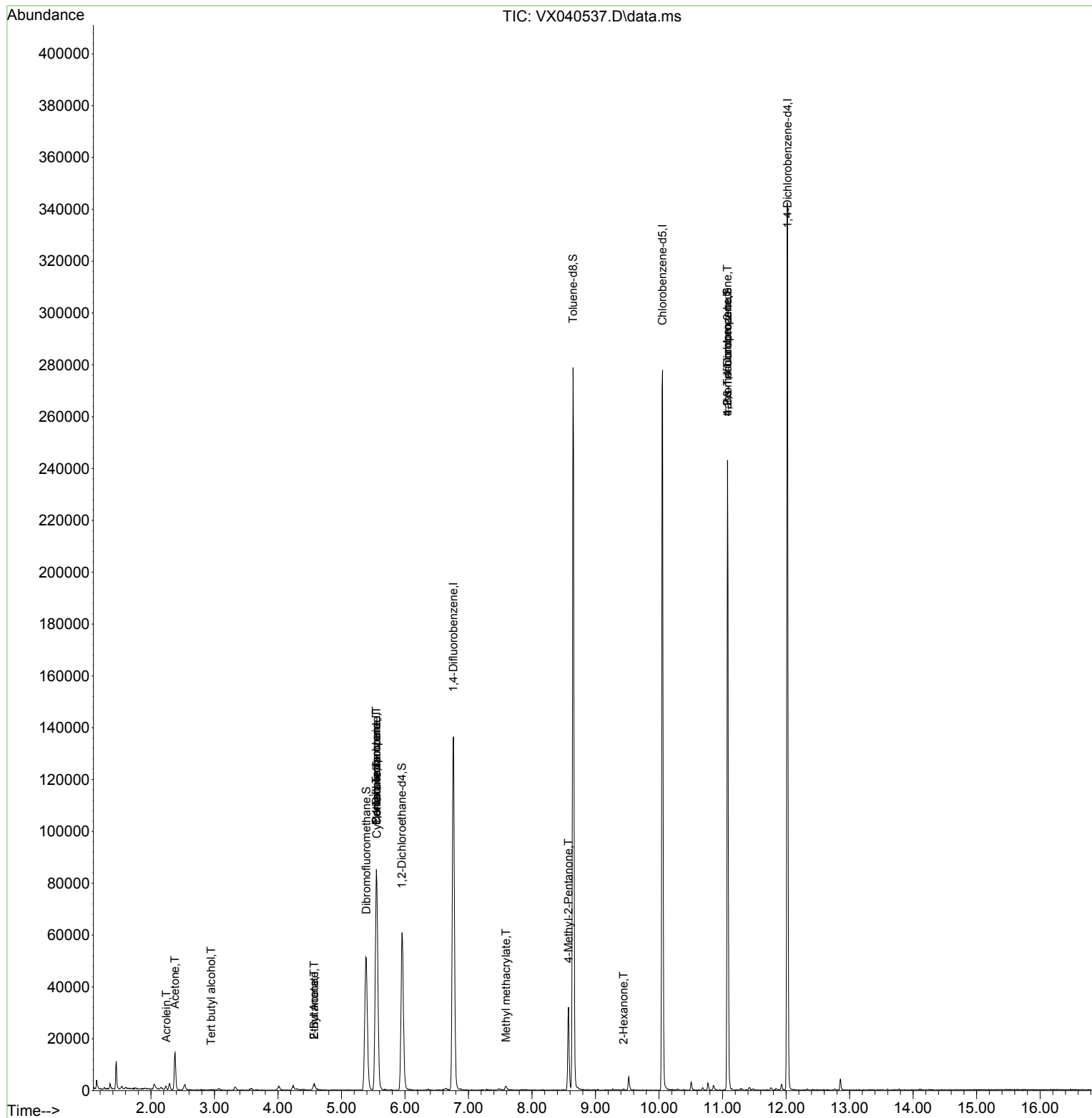
Internal Standards						
1) Pentafluorobenzene	5.549	168	74820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	130496	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65803	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60690	48.497	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.000%
35) Dibromofluoromethane	5.391	113	44109	48.607	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.220%
50) Toluene-d8	8.646	98	160885	48.842	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.680%
62) 4-Bromofluorobenzene	11.079	95	60489	48.174	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.340%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	130	0.618	ug/l #	78
13) Acrolein	2.239	56	946	7.014	ug/l #	81
16) Acetone	2.379	43	15656	38.363	ug/l	96
25) 2-Butanone	4.568	43	4251	5.979	ug/l	93
31) Cyclohexane	5.555	56	2154	1.519	ug/l #	31
36) 1,1-Dichloropropene	5.549	75	6788	4.855	ug/l #	51
37) Ethyl Acetate	4.568	43	4251	2.778	ug/l #	69
38) Carbon Tetrachloride	5.549	117	8442	6.250	ug/l #	13
48) Methyl methacrylate	7.592	41	580	0.483	ug/l #	50
51) 4-Methyl-2-Pentanone	8.573	43	18645	11.746	ug/l	96
59) 2-Hexanone	9.439	43	296	0.243	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	34575	23.874	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	34575	69.979	ug/l #	5

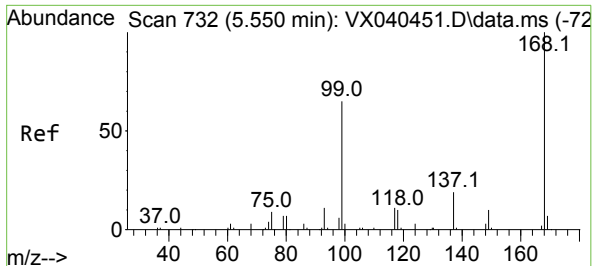
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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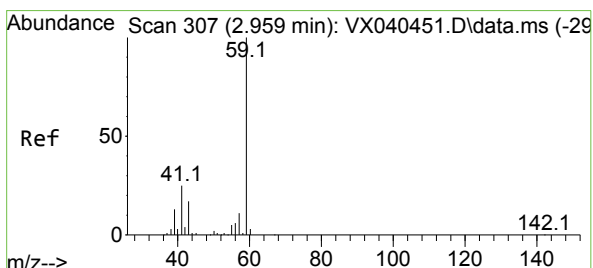
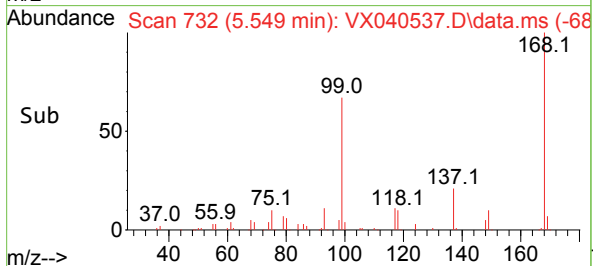
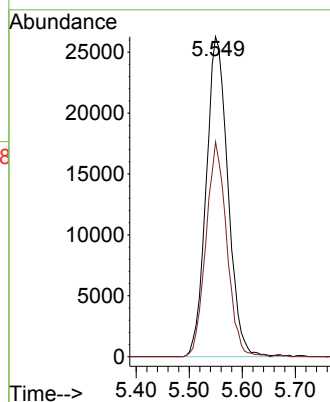
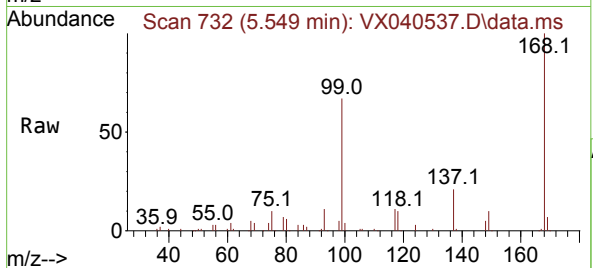




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX040537.D
Acq: 29 Feb 2024 15:13

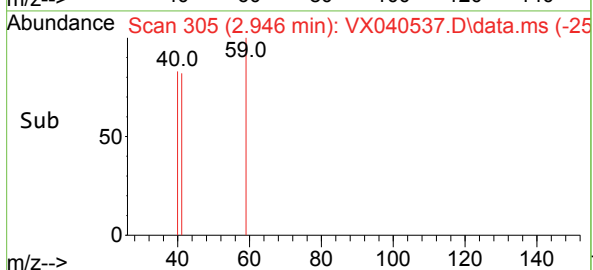
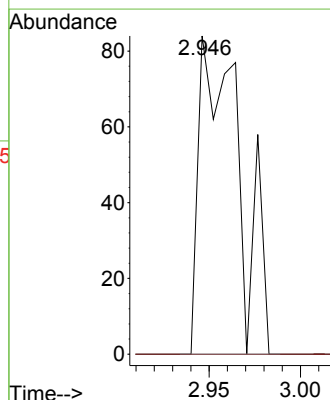
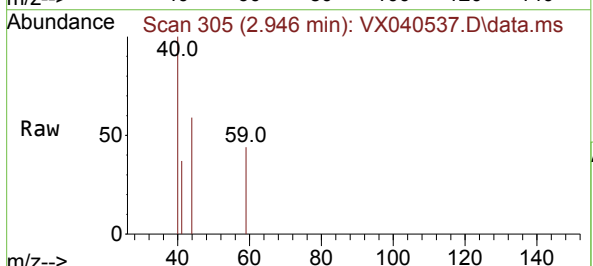
Instrument :
MSVOA_X
ClientSampleId :
OF-2

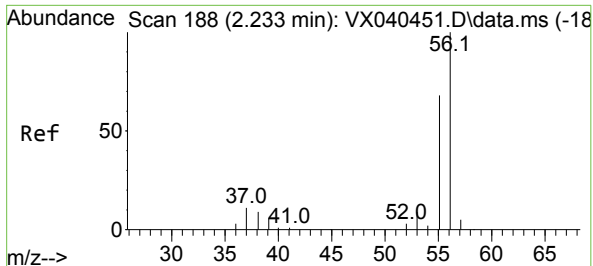
Tgt Ion:168 Resp: 74820
Ion Ratio Lower Upper
168 100
99 67.1 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.618 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.013 min
Lab File: VX040537.D
Acq: 29 Feb 2024 15:13

Tgt Ion: 59 Resp: 130
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 7.014 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX040537.D

Acq: 29 Feb 2024 15:13

Instrument :

MSVOA_X

ClientSampleId :

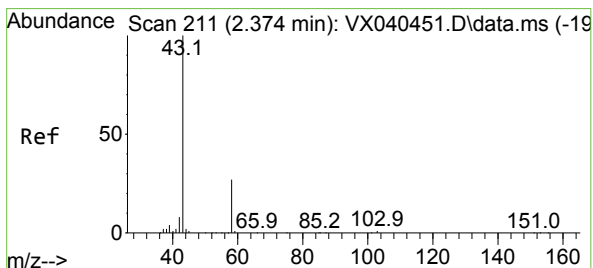
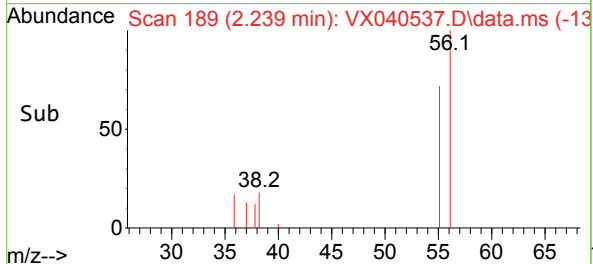
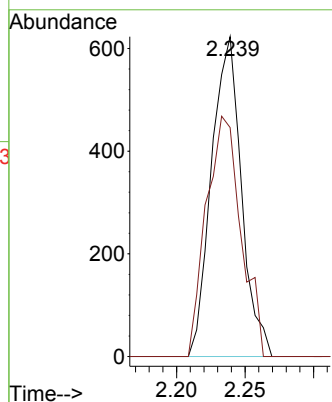
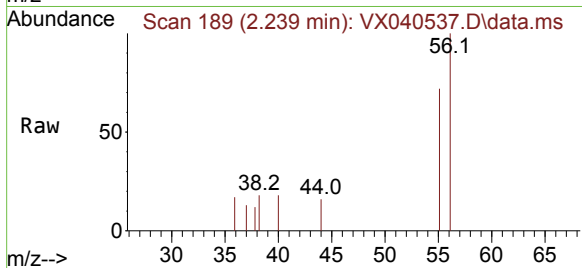
OF-2

Tgt Ion: 56 Resp: 946

Ion Ratio Lower Upper

56 100

55 87.1 57.1 85.7#



#16

Acetone

Concen: 38.363 ug/l

RT: 2.379 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX040537.D

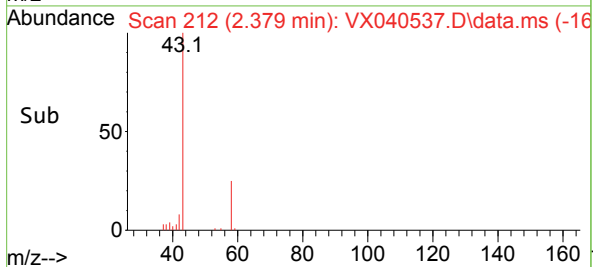
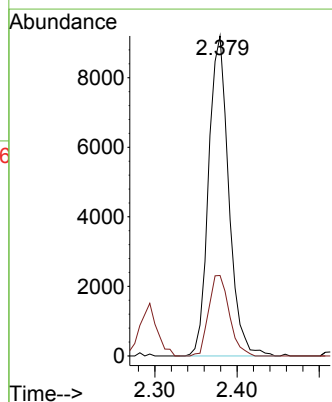
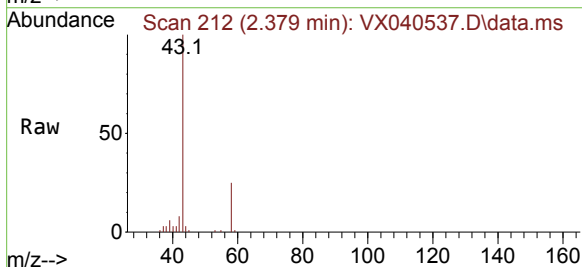
Acq: 29 Feb 2024 15:13

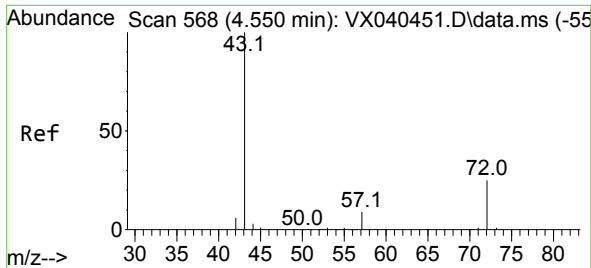
Tgt Ion: 43 Resp: 15656

Ion Ratio Lower Upper

43 100

58 25.2 21.9 32.9

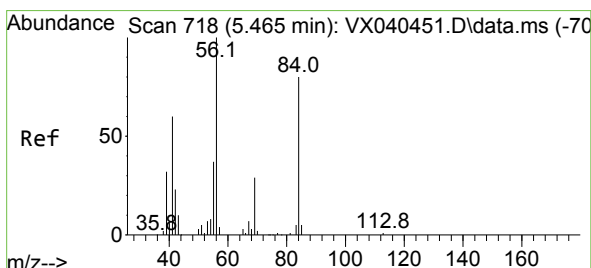
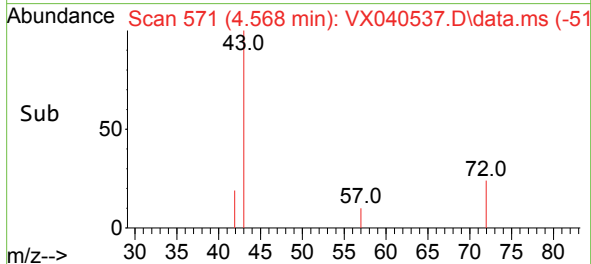
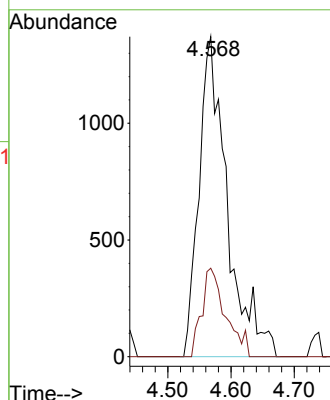
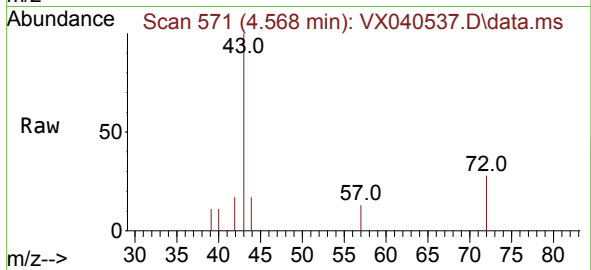




#25
2-Butanone
Concen: 5.979 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX040537.D
Acq: 29 Feb 2024 15:13

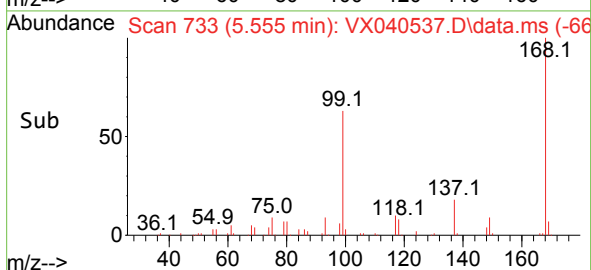
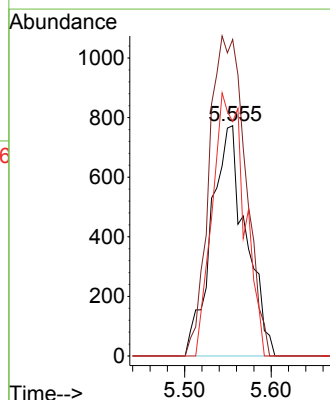
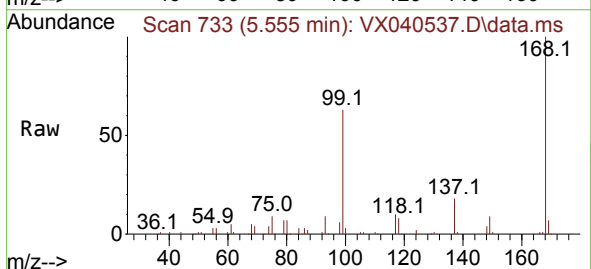
Instrument :
MSVOA_X
ClientSampleId :
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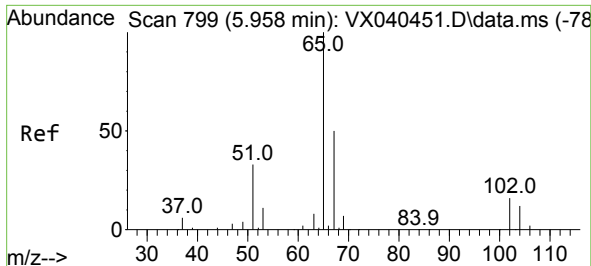
Tgt Ion: 43 Resp: 4251
Ion Ratio Lower Upper
43 100
72 27.6 19.4 29.2



#31
Cyclohexane
Concen: 1.519 ug/l
RT: 5.555 min Scan# 733
Delta R.T. 0.091 min
Lab File: VX040537.D
Acq: 29 Feb 2024 15:13

Tgt Ion: 56 Resp: 2154
Ion Ratio Lower Upper
56 100
69 137.4 23.4 35.2#
84 101.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 48.497 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.007 min

Lab File: VX040537.D

Acq: 29 Feb 2024 15:13

Instrument :

MSVOA_X

ClientSampleId :

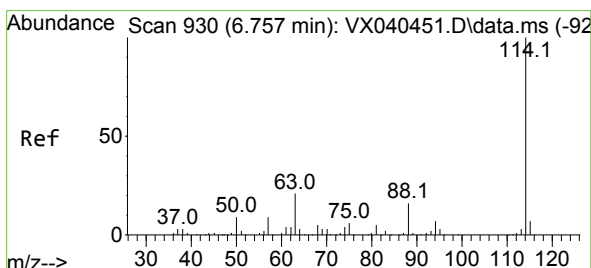
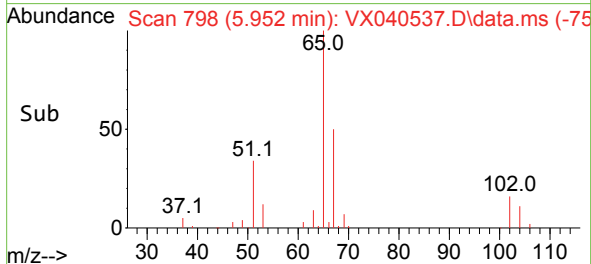
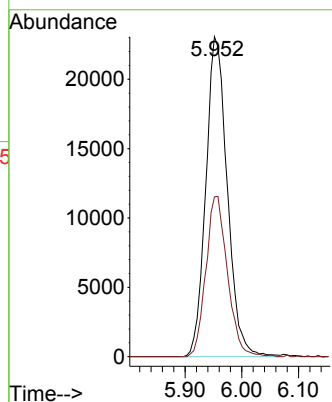
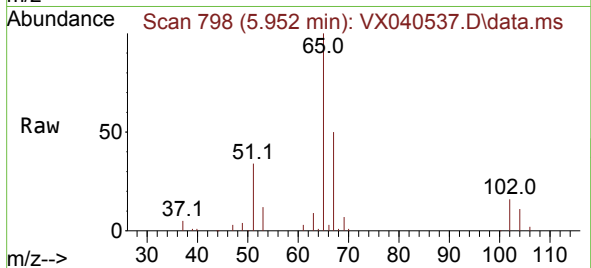
OF-2

Tgt Ion: 65 Resp: 60690

Ion Ratio Lower Upper

65 100

67 50.3 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX040537.D

Acq: 29 Feb 2024 15:13

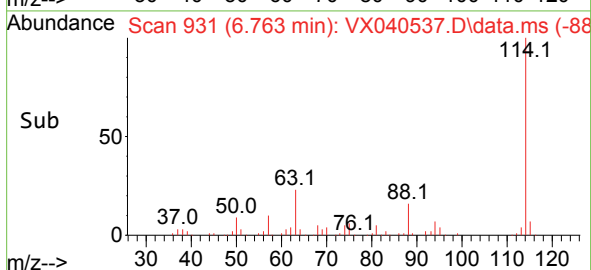
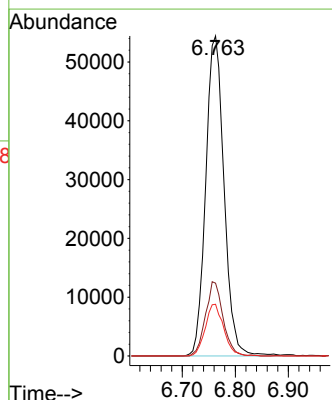
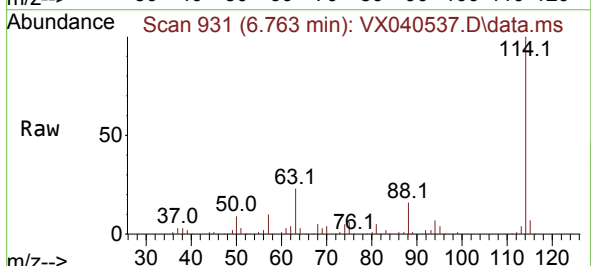
Tgt Ion:114 Resp: 130496

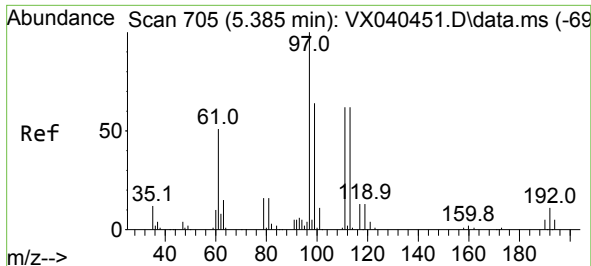
Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.0

88 16.2 0.0 36.6

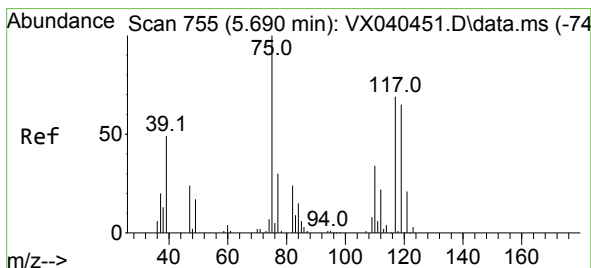
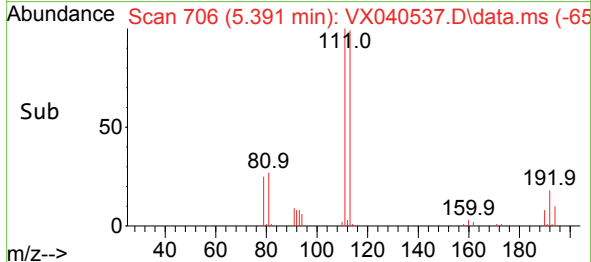
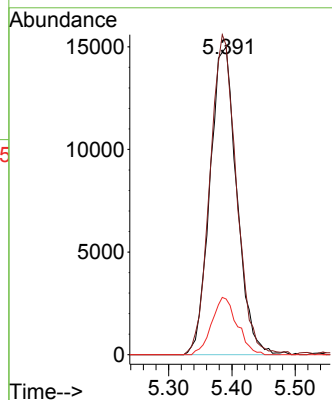
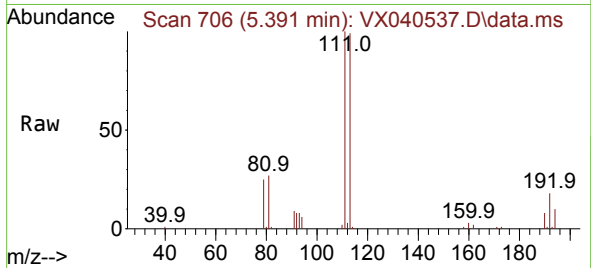




#35
Dibromofluoromethane
Concen: 48.607 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040537.D
Acq: 29 Feb 2024 15:13

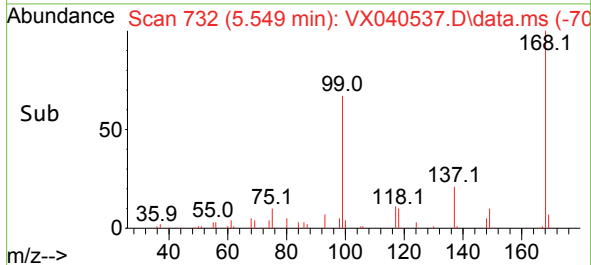
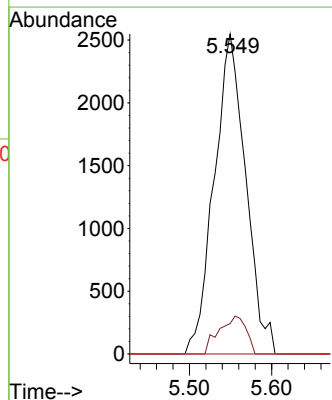
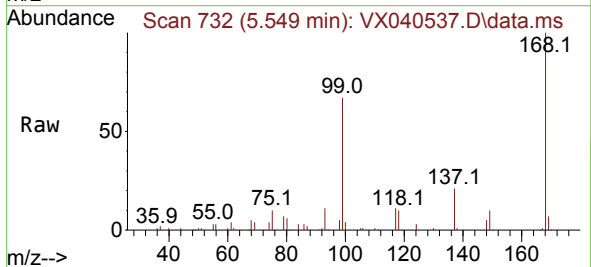
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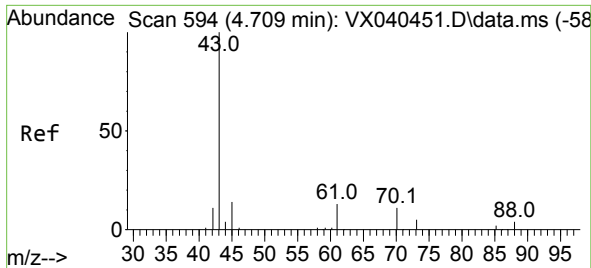
Tgt Ion:113 Resp: 44109
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 17.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.855 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX040537.D
Acq: 29 Feb 2024 15:13

Tgt Ion: 75 Resp: 6788
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.7 37.1#

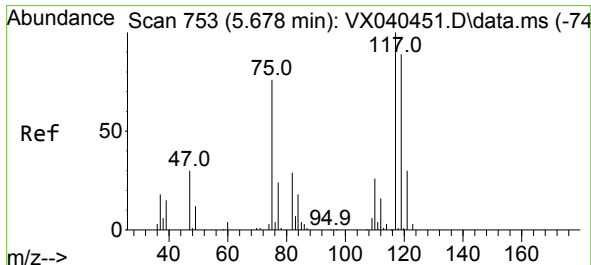
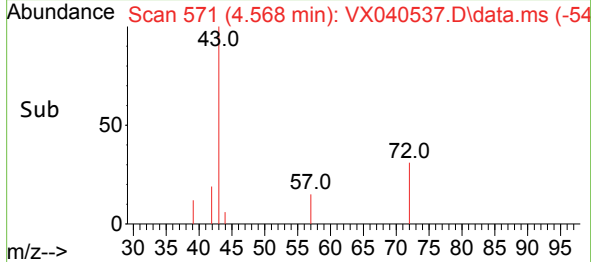
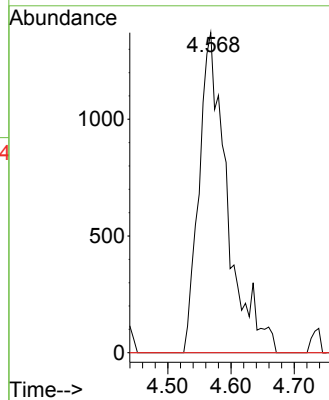
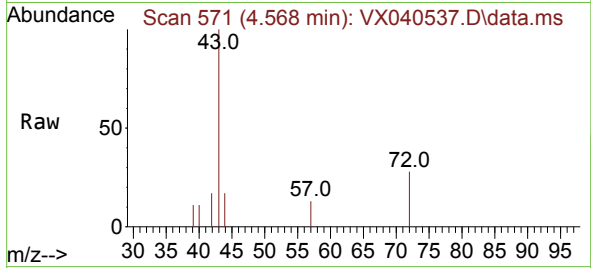




#37
Ethyl Acetate
Concen: 2.778 ug/l
RT: 4.568 min Scan# 51
Delta R.T. -0.141 min
Lab File: VX040537.D
Acq: 29 Feb 2024 15:13

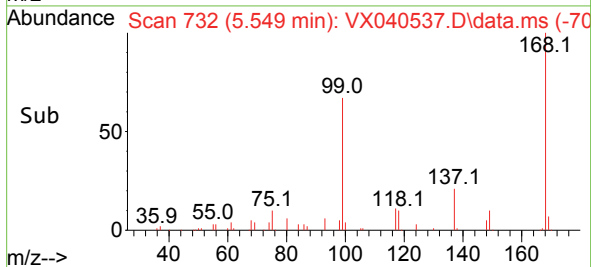
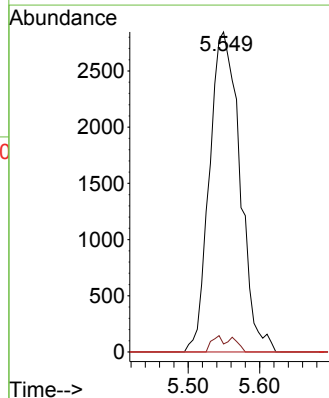
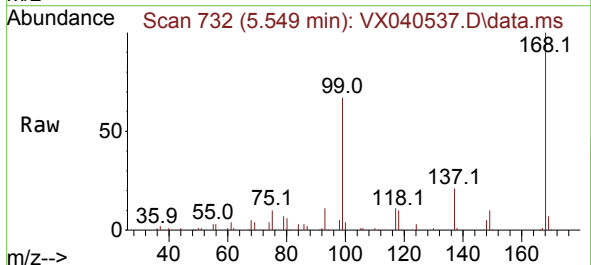
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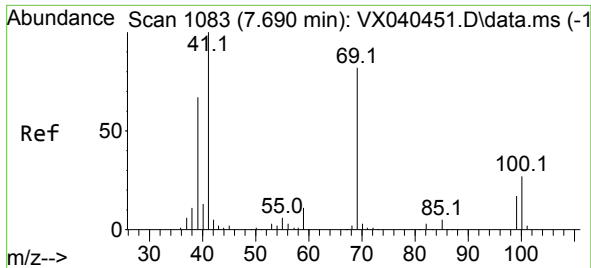
Tgt Ion: 43 Resp: 4251
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 6.250 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX040537.D
Acq: 29 Feb 2024 15:13

Tgt Ion: 117 Resp: 8442
Ion Ratio Lower Upper
117 100
119 2.5 78.2 117.2#
121 0.0 24.4 36.6#

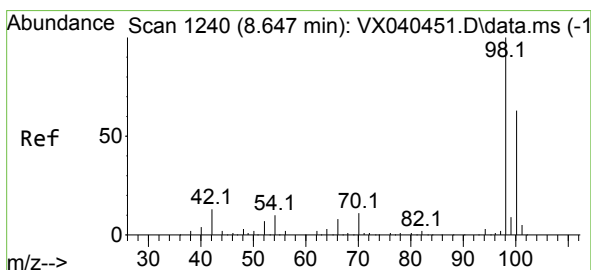
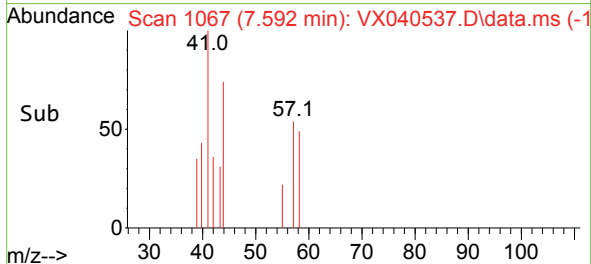
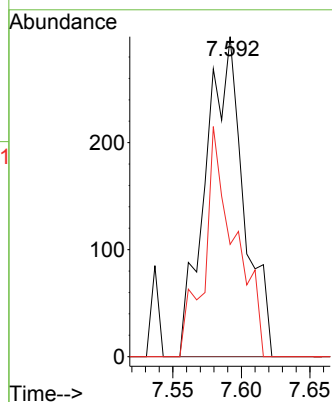
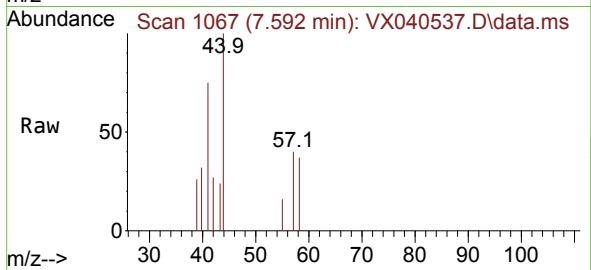




#48
Methyl methacrylate
Concen: 0.483 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. -0.098 min
Lab File: VX040537.D
Acq: 29 Feb 2024 15:13

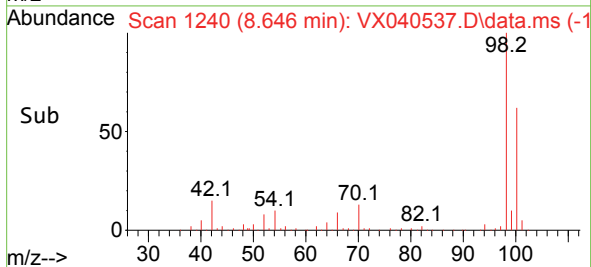
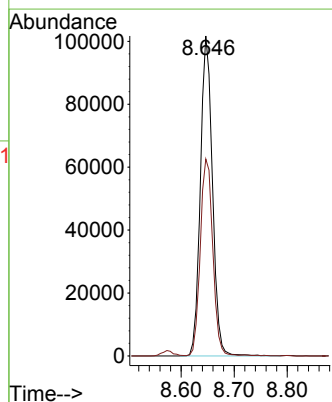
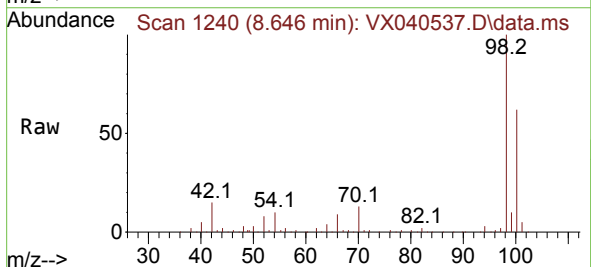
Instrument :
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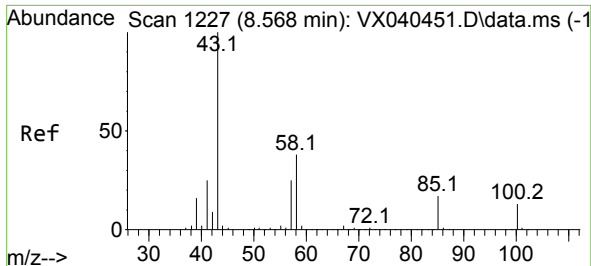
Tgt Ion: 41 Resp: 580
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 57.4 47.7 71.5



#50
Toluene-d8
Concen: 48.842 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040537.D
Acq: 29 Feb 2024 15:13

Tgt Ion: 98 Resp: 160885
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 11.746 ug/l

RT: 8.573 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040537.D

Acq: 29 Feb 2024 15:13

Instrument :

MSVOA_X

ClientSampleId :

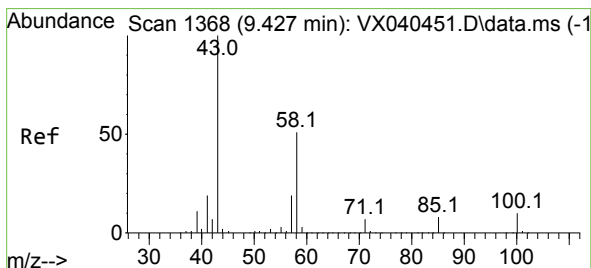
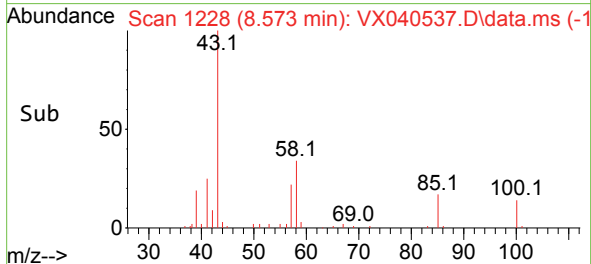
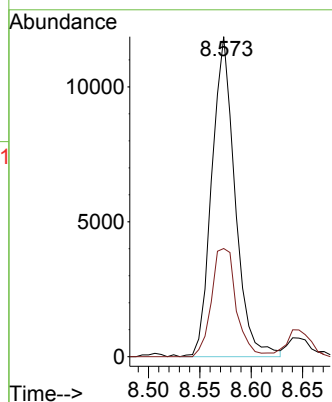
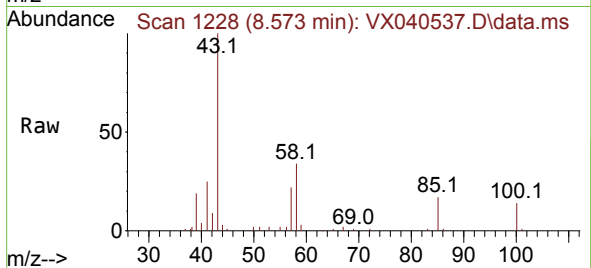
OF-2

Tgt Ion: 43 Resp: 18645

Ion Ratio Lower Upper

43 100

58 35.8 30.4 45.6



#59

2-Hexanone

Concen: 0.243 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.012 min

Lab File: VX040537.D

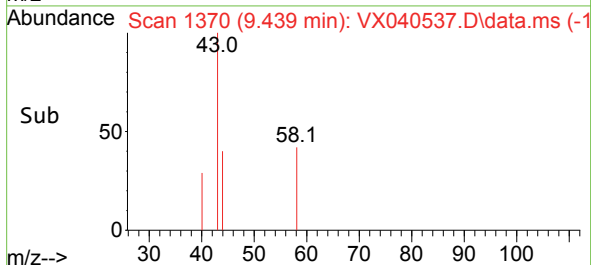
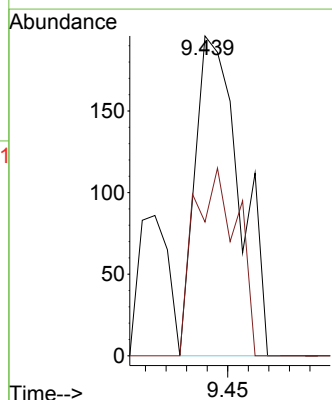
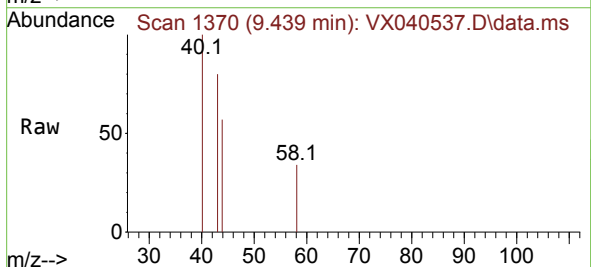
Acq: 29 Feb 2024 15:13

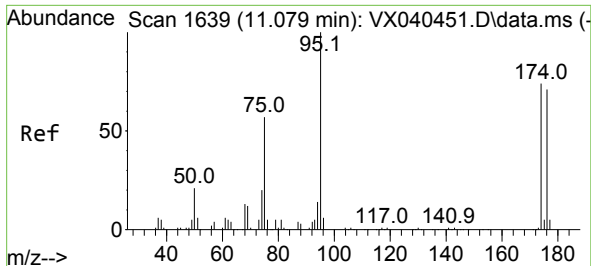
Tgt Ion: 43 Resp: 296

Ion Ratio Lower Upper

43 100

58 57.1 26.2 78.5

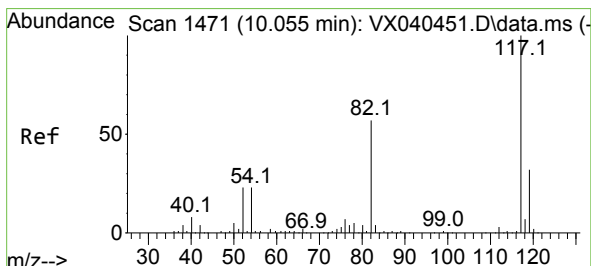
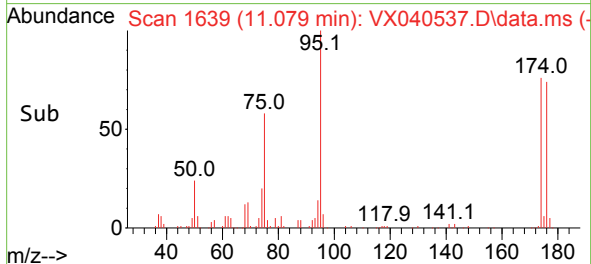
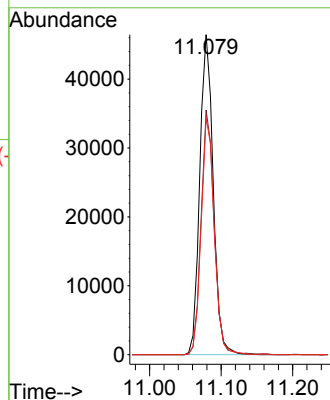
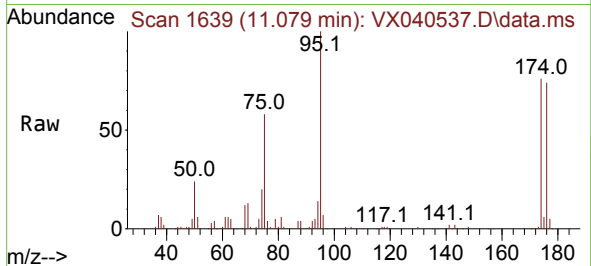




#62
4-Bromofluorobenzene
Concen: 48.174 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX040537.D
Acq: 29 Feb 2024 15:13

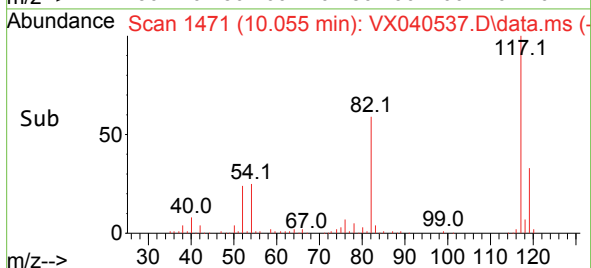
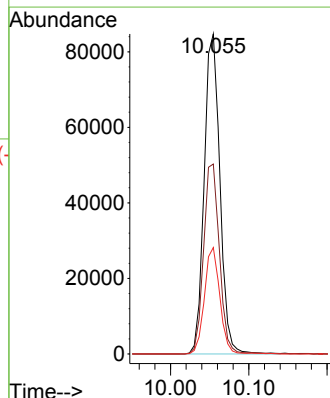
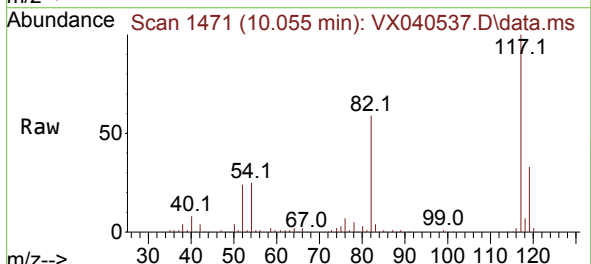
Instrument :
MSVOA_X
ClientSampleId :
OF-2

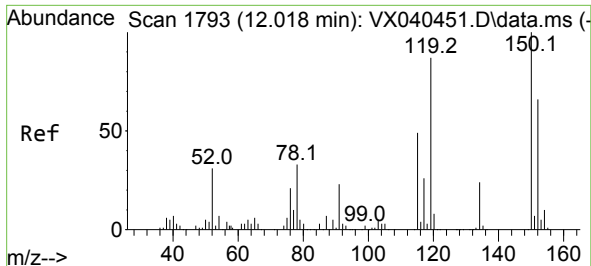
Tgt Ion: 95 Resp: 60489
Ion Ratio Lower Upper
95 100
174 74.4 0.0 135.6
176 72.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040537.D
Acq: 29 Feb 2024 15:13

Tgt Ion: 117 Resp: 117990
Ion Ratio Lower Upper
117 100
82 59.4 46.2 69.4
119 33.3 25.5 38.3

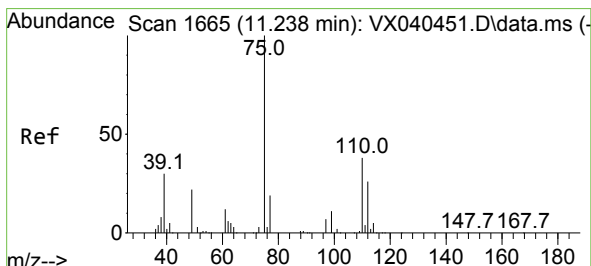
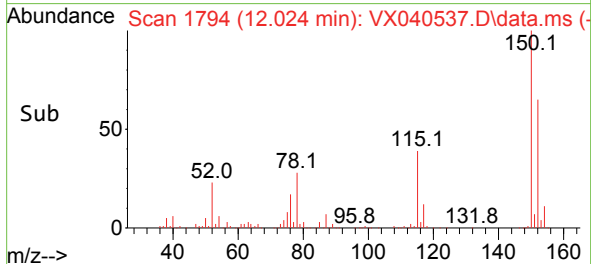
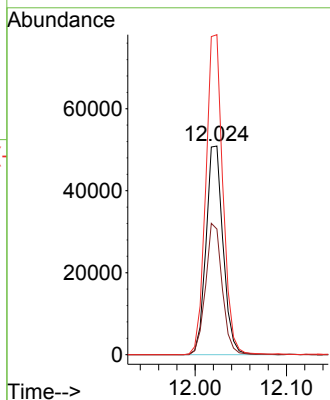
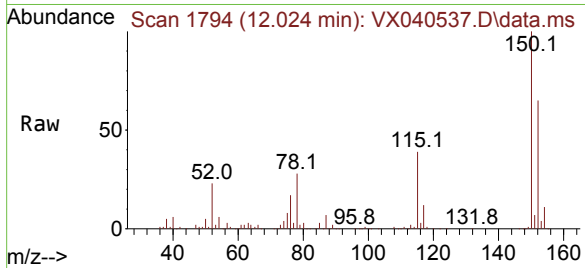




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040537.D
Acq: 29 Feb 2024 15:13

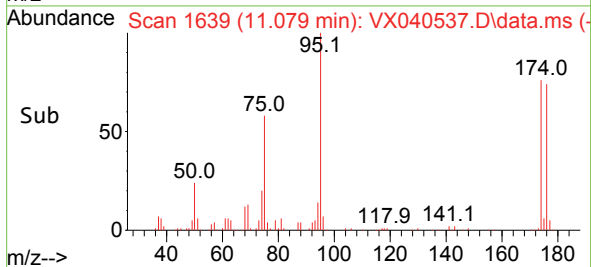
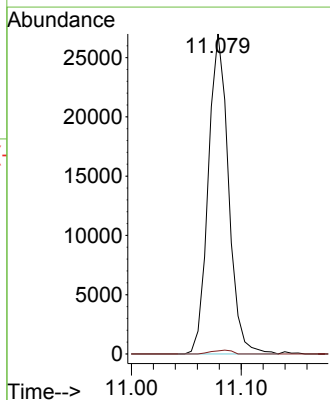
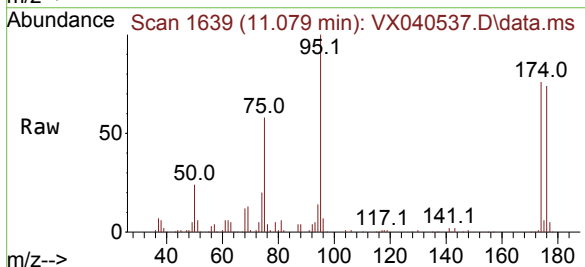
Instrument :
MSVOA_X
ClientSampleId :
OF-2

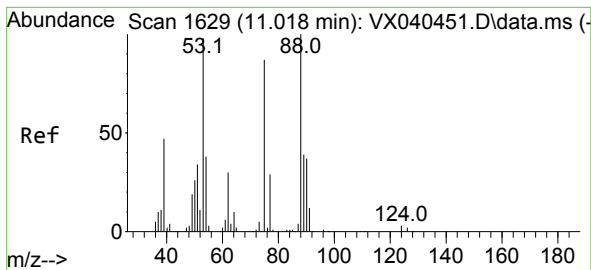
Tgt Ion:152 Resp: 65803
Ion Ratio Lower Upper
152 100
115 61.2 43.3 129.9
150 153.4 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 23.874 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040537.D
Acq: 29 Feb 2024 15:13

Tgt Ion: 75 Resp: 34575
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.979 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040537.D
 Acq: 29 Feb 2024 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 OF-2

Tgt Ion: 75 Resp: 34575
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

