

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013123\
 Data File : VX033967.D
 Acq On : 31 Jan 2023 13:32
 Operator : JC/MD
 Sample : 01358-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DR-2-012723

Quant Time: Feb 01 02:11:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

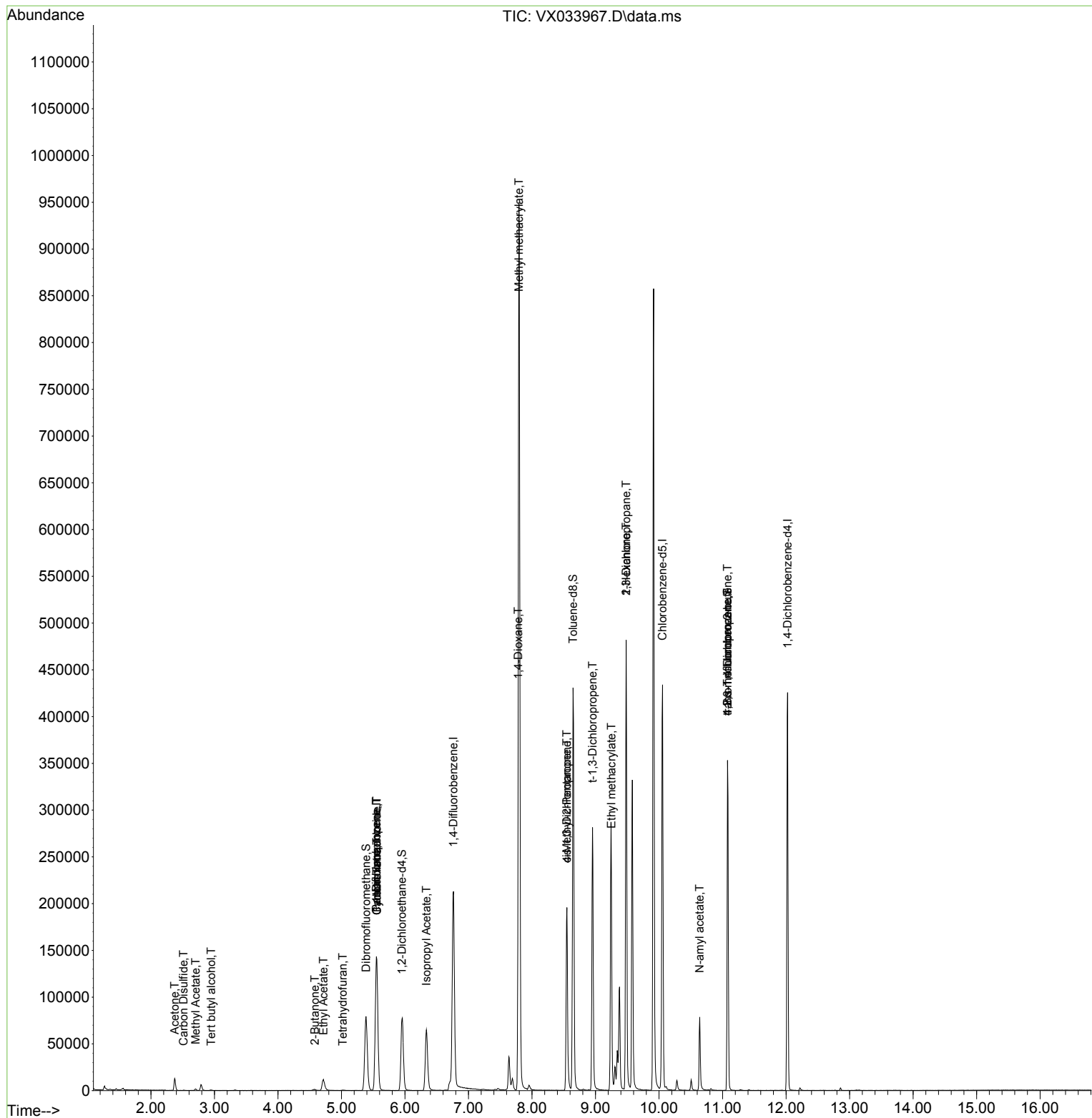
Internal Standards						
1) Pentafluorobenzene	5.550	168	159238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	230105	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206913	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76215	45.457	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.920%
35) Dibromofluoromethane	5.385	113	69642	48.741	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.480%
50) Toluene-d8	8.647	98	260688	50.075	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.140%
62) 4-Bromofluorobenzene	11.079	95	91859	47.524	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.040%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	447	1.535	ug/l #	86
16) Acetone	2.373	43	13832	10.850	ug/l	96
17) Carbon Disulfide	2.514	76	171	1.873	ug/l #	76
18) Methyl Acetate	2.703	43	2051	0.877	ug/l	98
20) Methylene Chloride	2.788	84	3082	Below Cal		96
25) 2-Butanone	4.580	43	2400	2.191	ug/l	93
29) Tetrahydrofuran	5.019	42	584	0.846	ug/l #	44
31) Cyclohexane	5.556	56	2215	0.898	ug/l #	4
36) 1,1-Dichloropropene	5.550	75	9243	4.432	ug/l #	50
37) Ethyl Acetate	4.714	43	21922	8.654	ug/l	99
38) Carbon Tetrachloride	5.556	117	13359	6.185	ug/l #	16
43) Isopropyl Acetate	6.336	43	90375	27.452	ug/l	98
48) Methyl methacrylate	7.793	41	79064	47.677	ug/l #	44
49) 1,4-Dioxane	7.781	88	23	0.627	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	69513	34.382	ug/l #	50
53) t-1,3-Dichloropropene	8.951	75	678	0.331	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	33109	14.416	ug/l #	61
56) Ethyl methacrylate	9.250	69	504	0.230	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4455	1.768	ug/l #	43
59) 2-Hexanone	9.482	43	56913	40.444	ug/l #	52
73) Isopropylbenzene	11.079	105	111	Below Cal	#	48
74) N-amyl acetate	10.640	43	20893	7.981	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	41857	22.853	ug/l #	34
79) 2-Chlorotoluene	11.305	91	86	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	41857	71.024	ug/l #	8
82) 4-Chlorotoluene	11.475	91	30	Below Cal	#	43

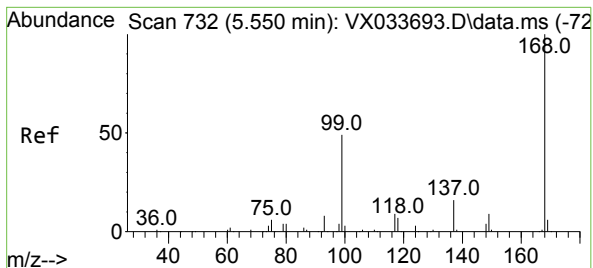
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX033967.D

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Instrument :

MSVOA_X

ClientSampleId :

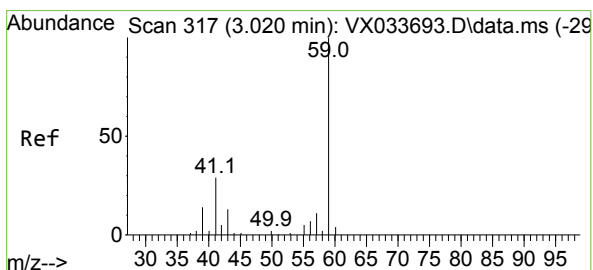
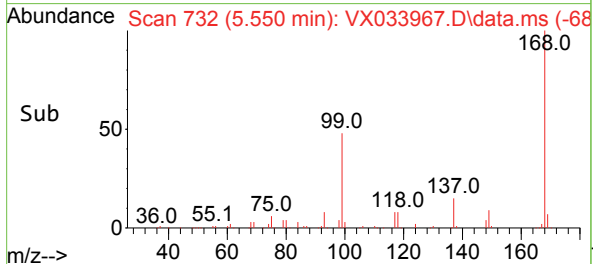
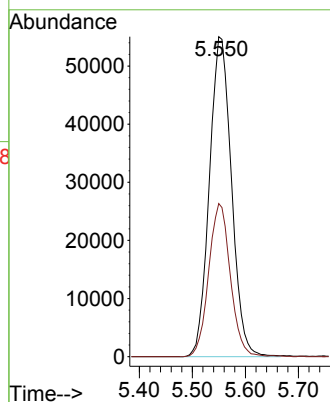
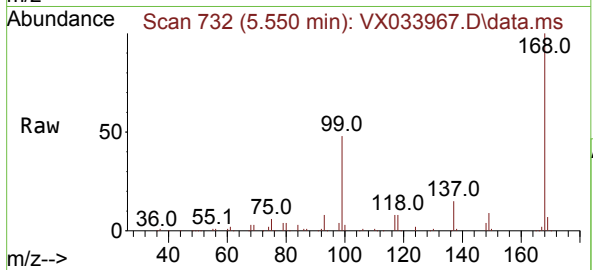
DR-2-012723

Tgt Ion:168 Resp: 159238

Ion Ratio Lower Upper

168 100

99 47.9 39.6 59.4



#11

Tert butyl alcohol

Concen: 1.535 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.073 min

Lab File: VX033967.D

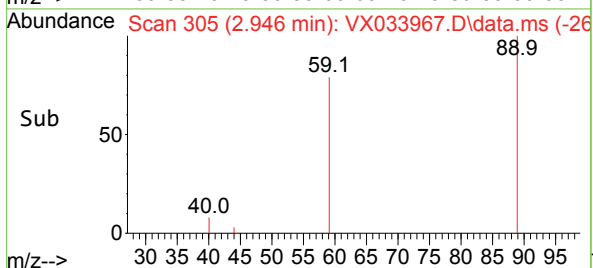
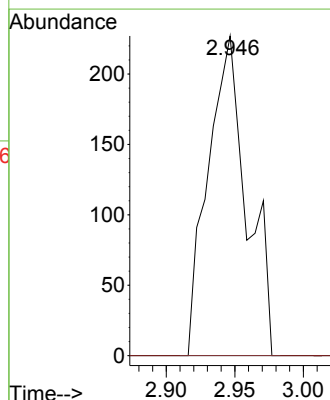
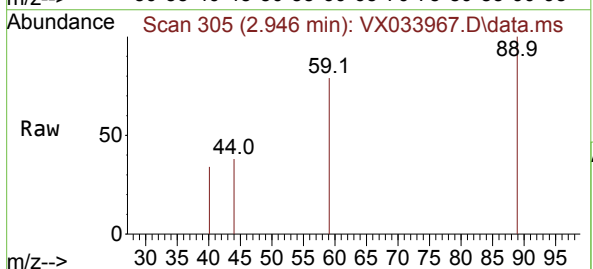
Acq: 31 Jan 2023 13:32

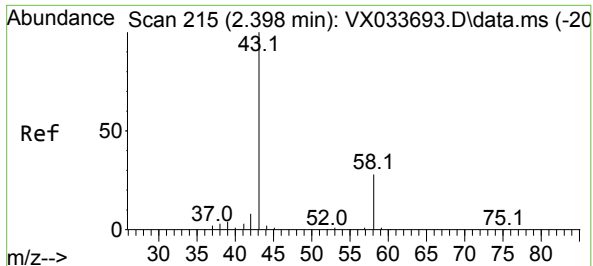
Tgt Ion: 59 Resp: 447

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#

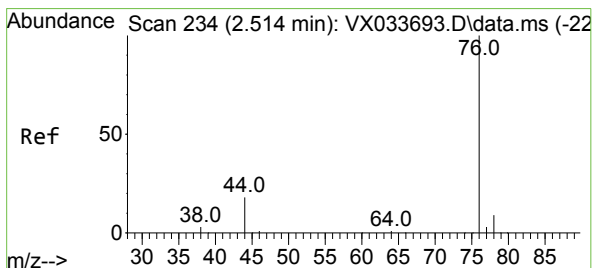
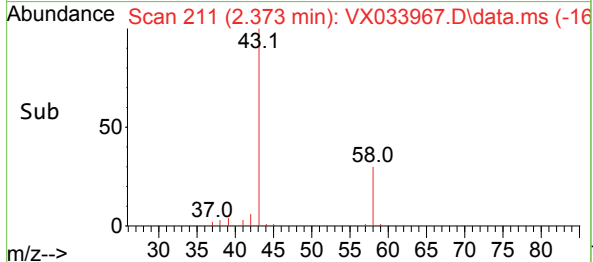
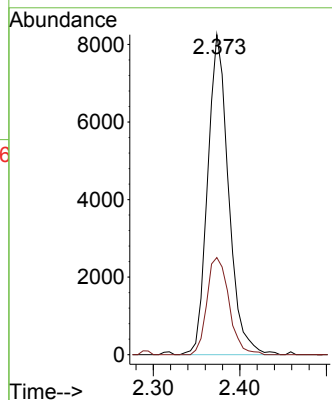
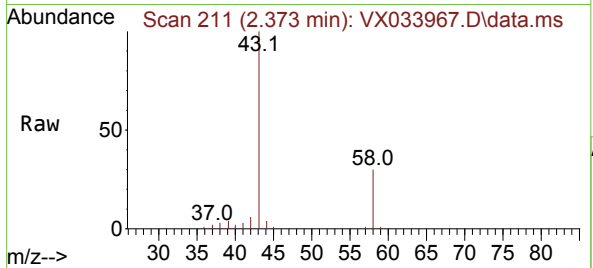




#16
Acetone
Concen: 10.850 ug/l
RT: 2.373 min Scan# 215
Delta R.T. -0.025 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

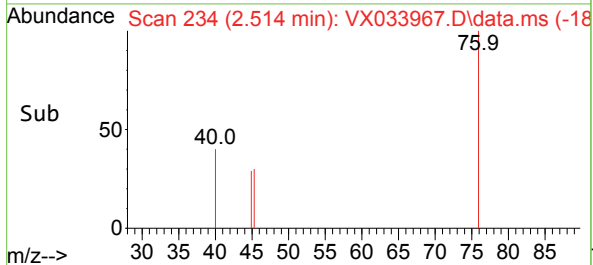
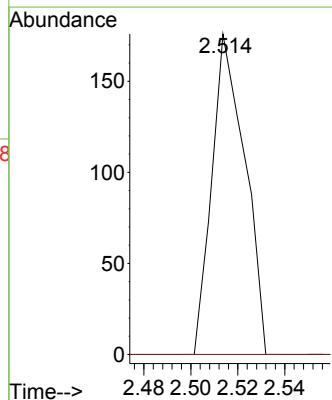
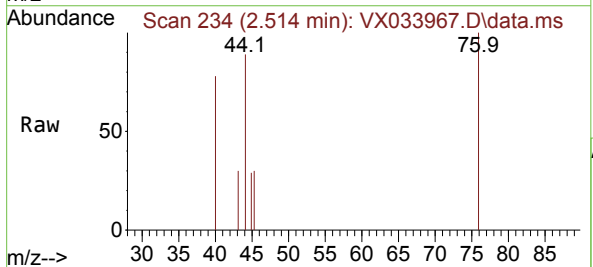
Instrument :
MSVOA_X
ClientSampleId :
DR-2-012723

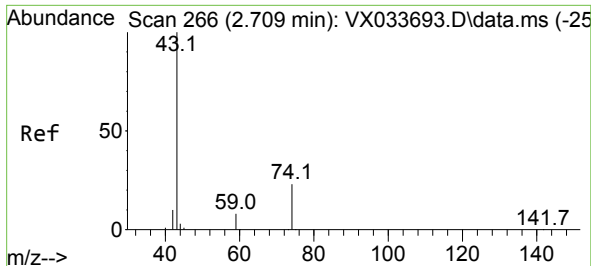
Tgt Ion: 43 Resp: 13832
Ion Ratio Lower Upper
43 100
58 30.3 22.6 33.8



#17
Carbon Disulfide
Concen: 1.873 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

Tgt Ion: 76 Resp: 171
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

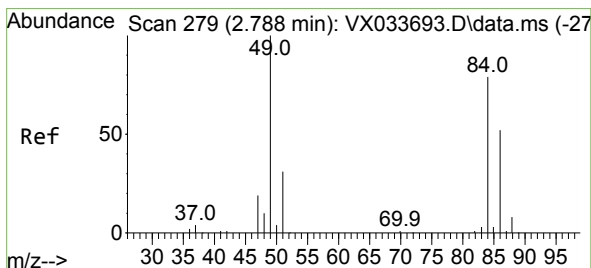
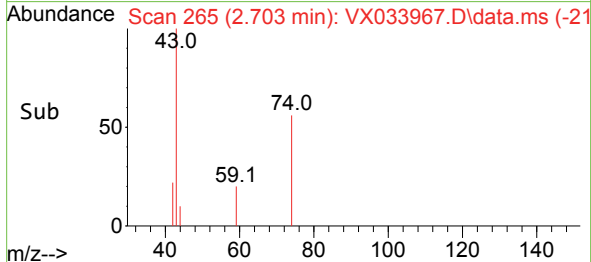
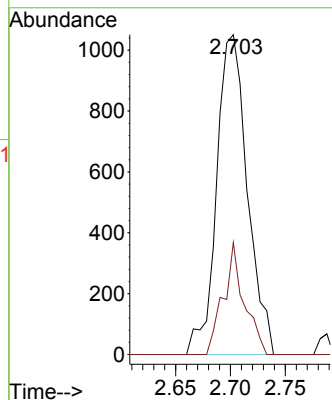
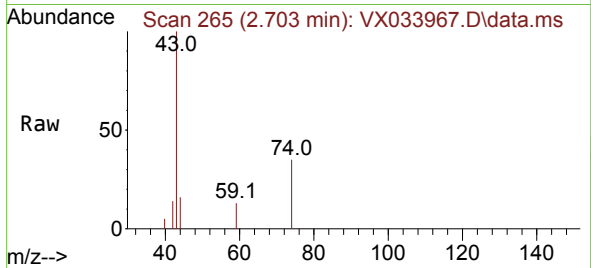




#18
Methyl Acetate
Concen: 0.877 ug/l
RT: 2.703 min Scan# 2051
Delta R.T. -0.006 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

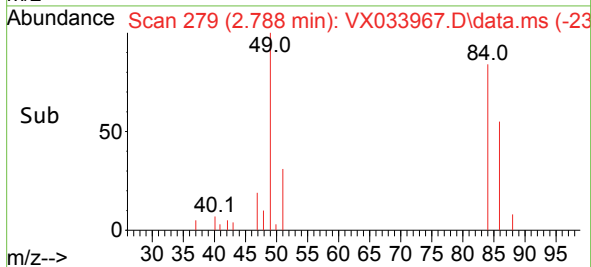
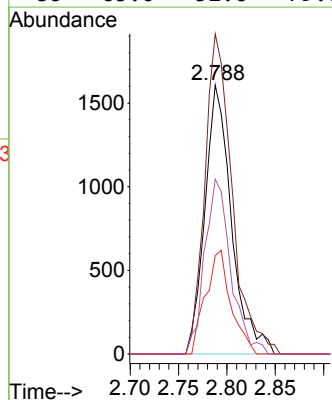
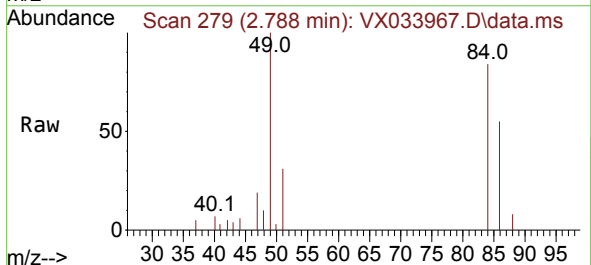
Instrument :
MSVOA_X
ClientSampleId :
DR-2-012723

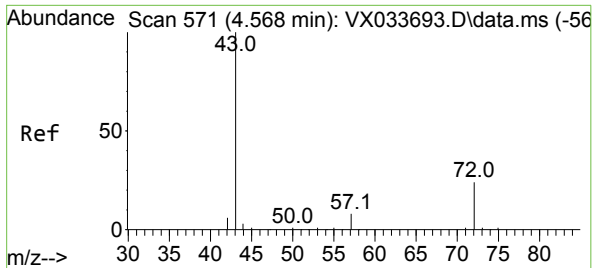
Tgt Ion: 43 Resp: 2051
Ion Ratio Lower Upper
43 100
74 23.7 18.2 27.4



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

Tgt Ion: 84 Resp: 3082
Ion Ratio Lower Upper
84 100
49 119.0 101.1 151.7
51 36.6 31.0 46.6
86 65.0 52.6 79.0

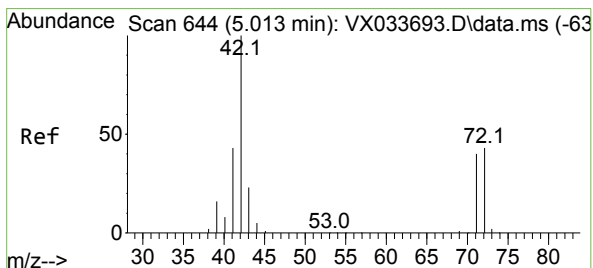
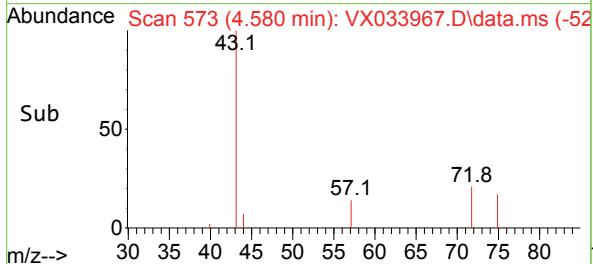
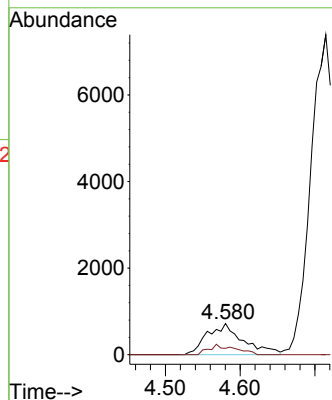
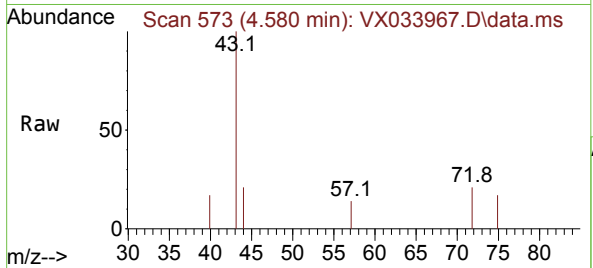




#25
2-Butanone
Concen: 2.191 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

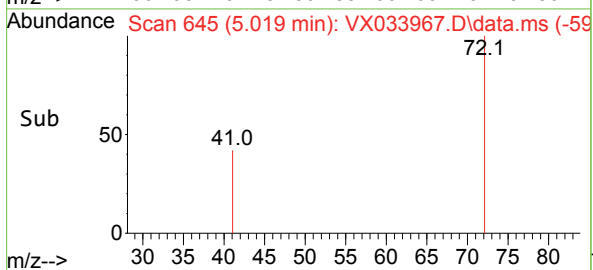
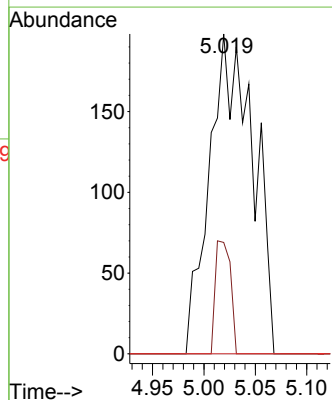
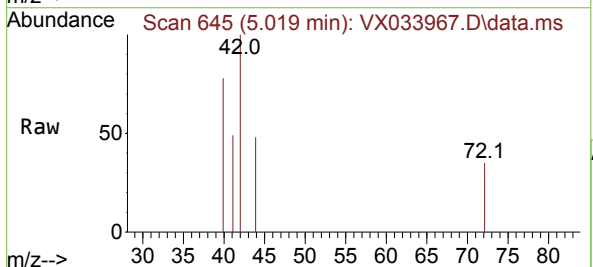
Instrument :
MSVOA_X
ClientSampleId :
DR-2-012723

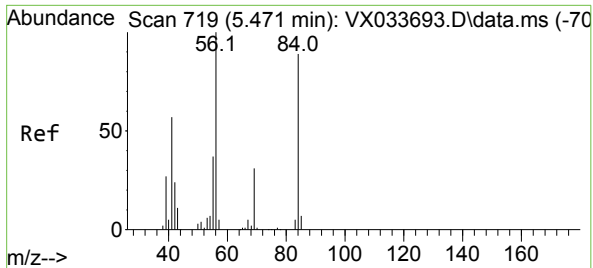
Tgt Ion: 43 Resp: 2400
Ion Ratio Lower Upper
43 100
72 20.6 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.846 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.006 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

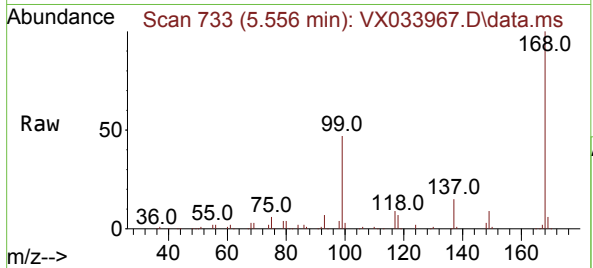
Tgt Ion: 42 Resp: 584
Ion Ratio Lower Upper
42 100
72 12.3 34.8 52.2#
71 0.0 32.2 48.2#



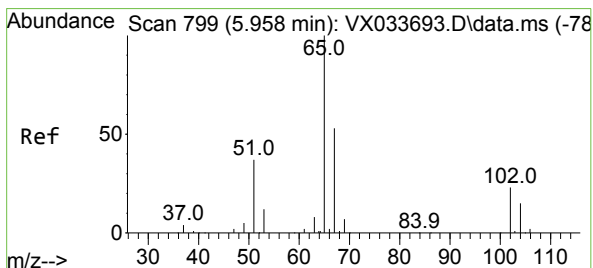
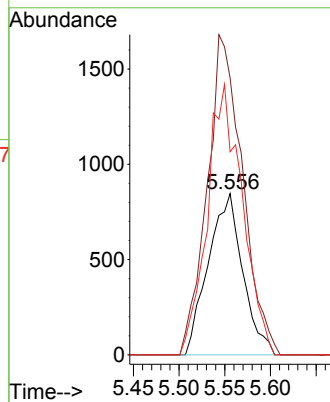
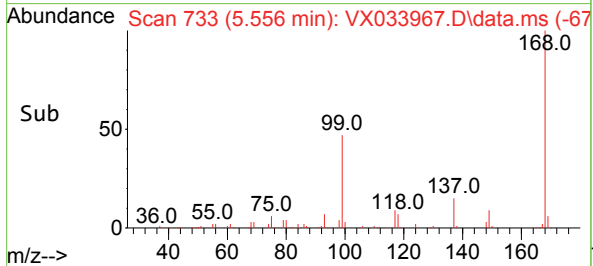


#31
Cyclohexane
Concen: 0.898 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

Instrument :
MSVOA_X
ClientSampleId :
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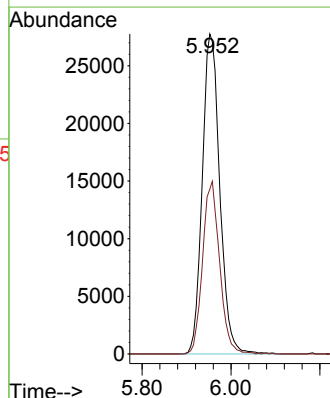
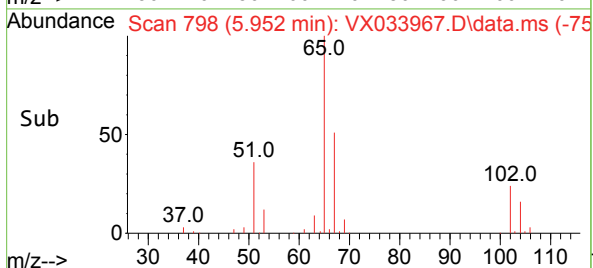
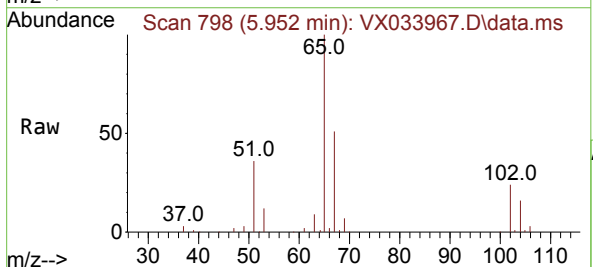


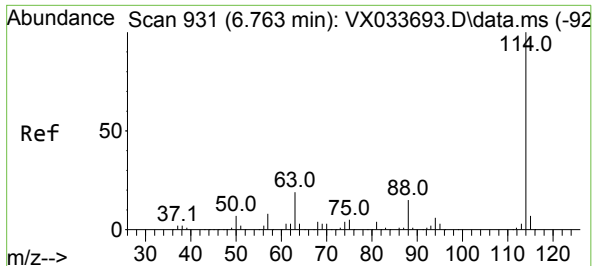
Tgt Ion: 56 Resp: 2215
Ion Ratio Lower Upper
56 100
69 171.5 24.6 37.0#
84 126.0 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 45.457 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

Tgt Ion: 65 Resp: 76215
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.8

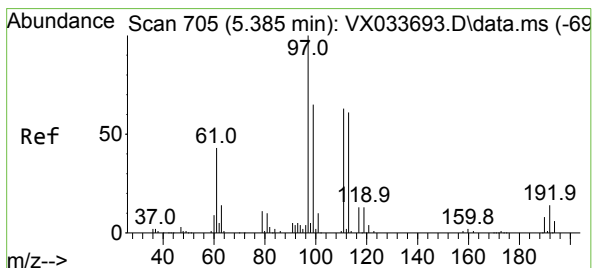
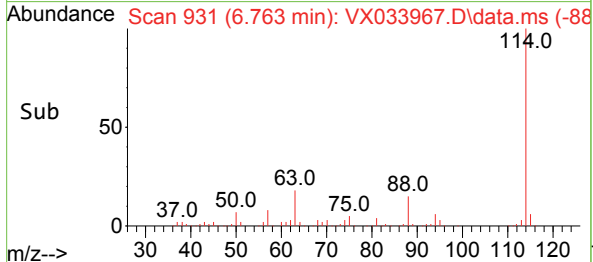
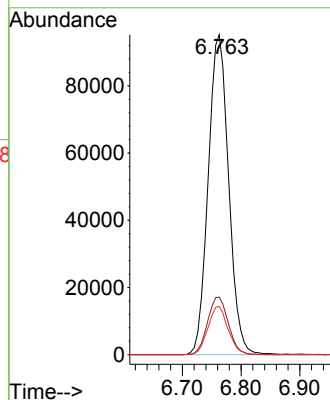
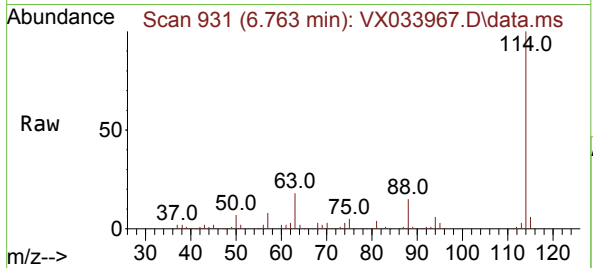




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

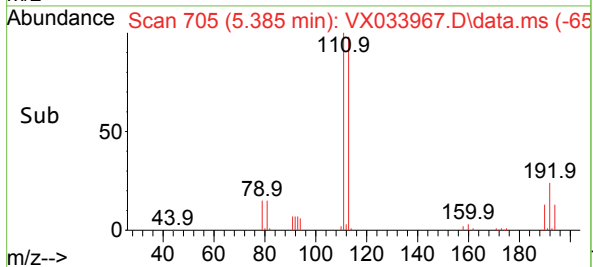
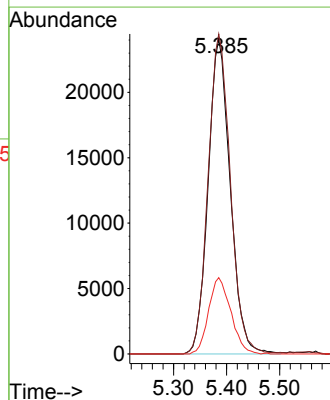
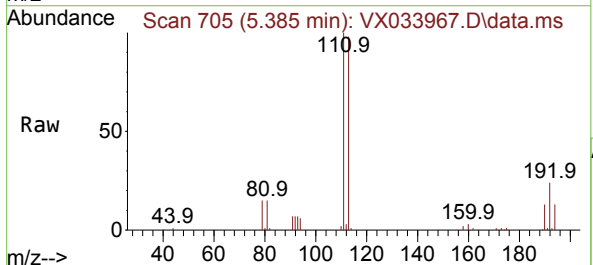
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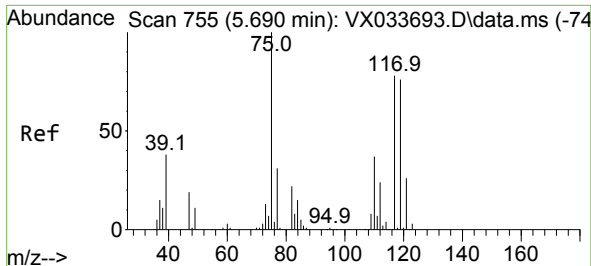
Tgt Ion:114 Resp: 230105
Ion Ratio Lower Upper
114 100
63 18.0 0.0 37.4
88 15.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.741 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

Tgt Ion:113 Resp: 69642
Ion Ratio Lower Upper
113 100
111 102.5 83.0 124.6
192 24.4 19.0 28.4

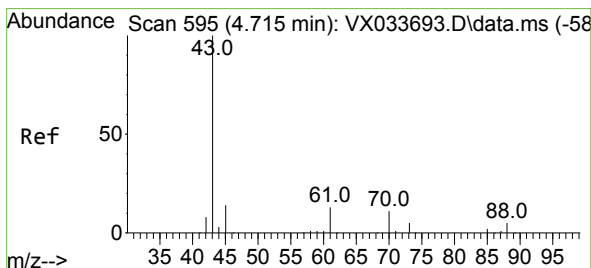
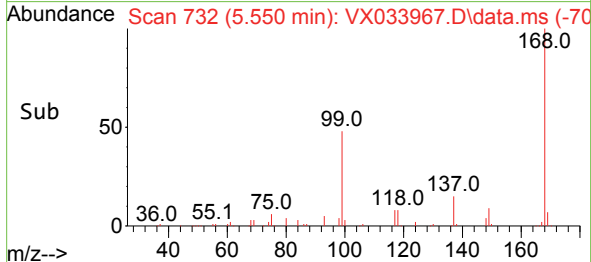
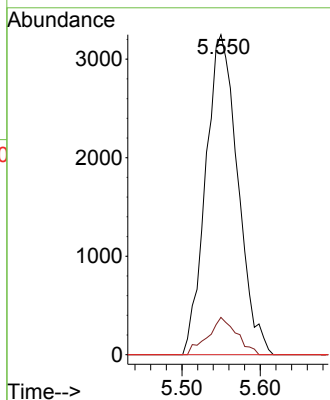
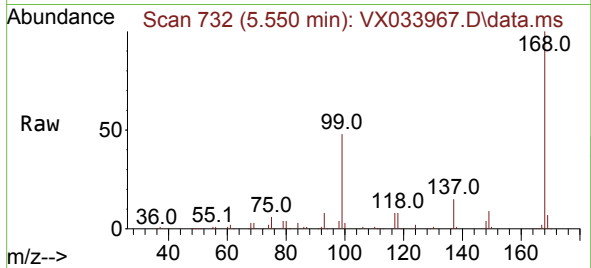




#36
1,1-Dichloropropene
Concen: 4.432 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

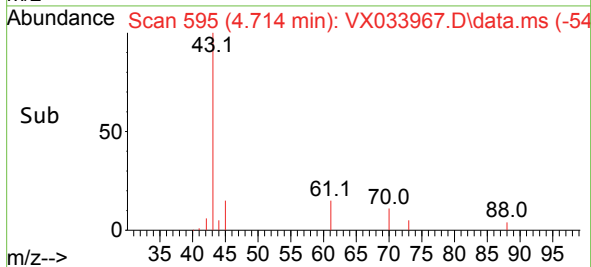
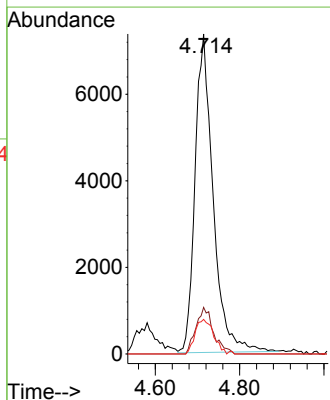
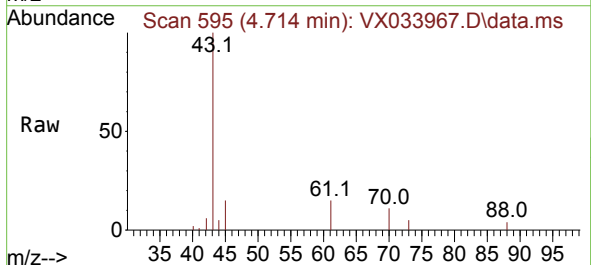
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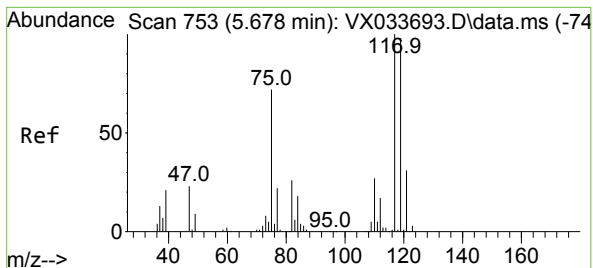
Tgt Ion: 75 Resp: 9243
Ion Ratio Lower Upper
75 100
110 10.5 18.8 56.4#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 8.654 ug/l
RT: 4.714 min Scan# 595
Delta R.T. -0.001 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

Tgt Ion: 43 Resp: 21922
Ion Ratio Lower Upper
43 100
61 14.2 11.1 16.7
70 11.2 8.5 12.7





#38

Carbon Tetrachloride

Concen: 6.185 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.122 min

Lab File: VX033967.D

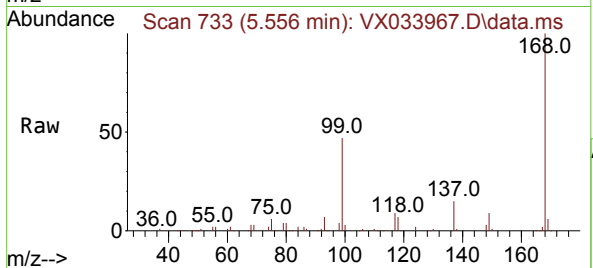
Acq: 31 Jan 2023 13:32

Instrument :

MSVOA_X

ClientSampleId :

DR-2-012723



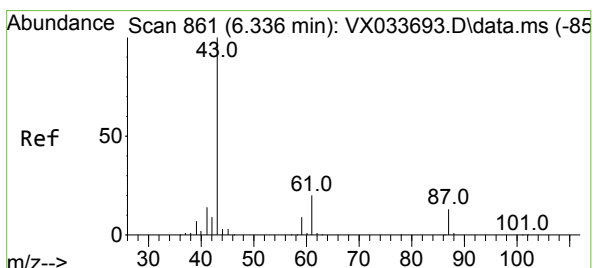
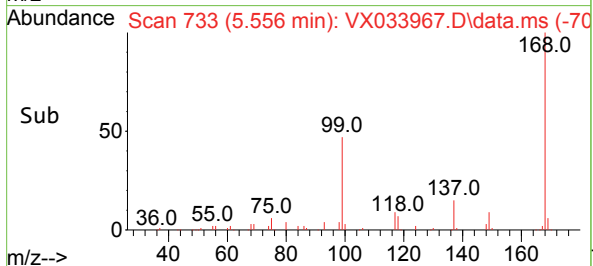
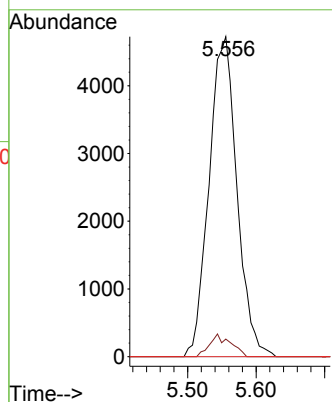
Tgt Ion:117 Resp: 13359

Ion Ratio Lower Upper

117 100

119 5.5 78.0 117.0#

121 0.0 24.4 36.6#



#43

Isopropyl Acetate

Concen: 27.452 ug/l

RT: 6.336 min Scan# 861

Delta R.T. -0.000 min

Lab File: VX033967.D

Acq: 31 Jan 2023 13:32

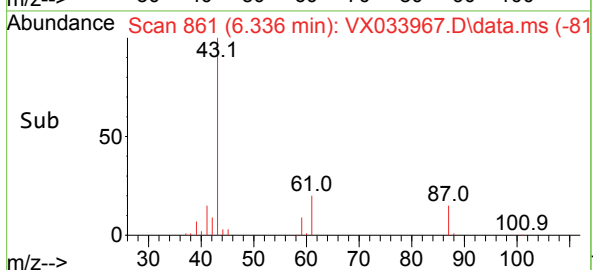
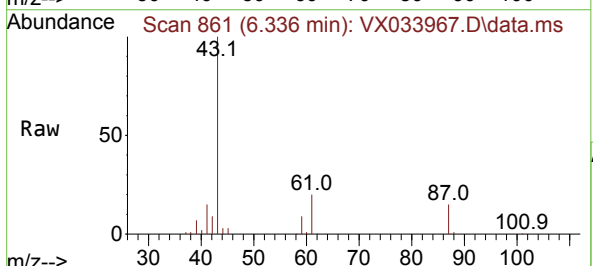
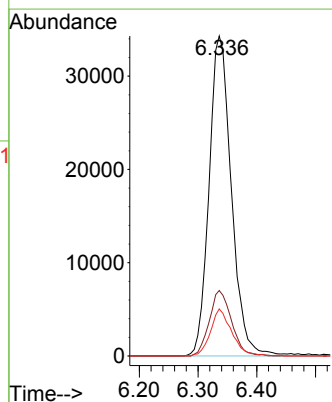
Tgt Ion: 43 Resp: 90375

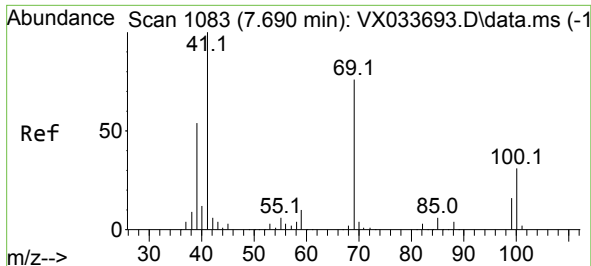
Ion Ratio Lower Upper

43 100

61 20.4 15.7 23.5

87 13.9 10.6 15.8

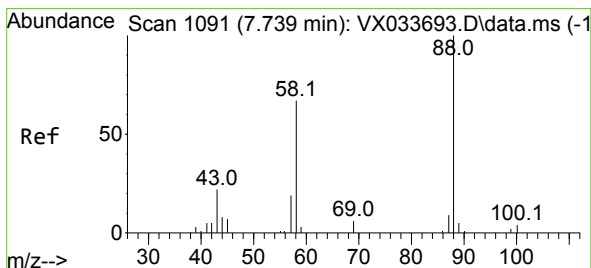
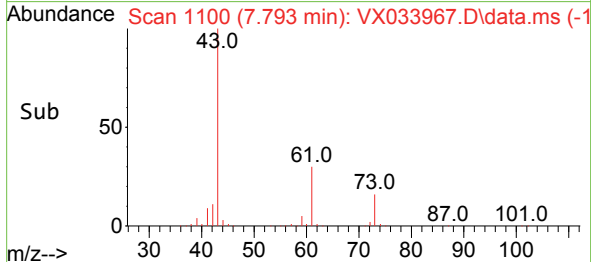
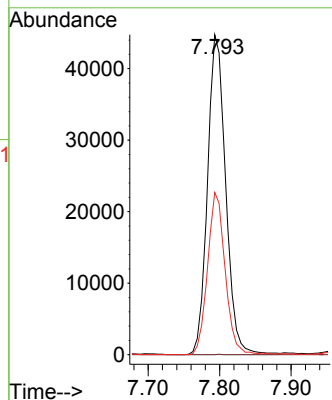
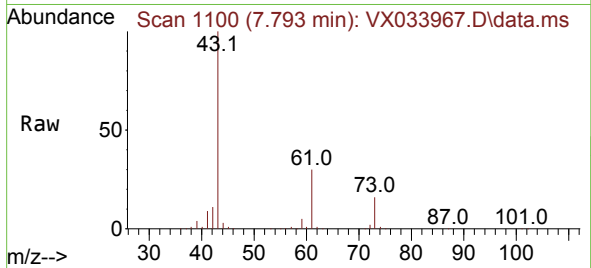




#48
Methyl methacrylate
Concen: 47.677 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

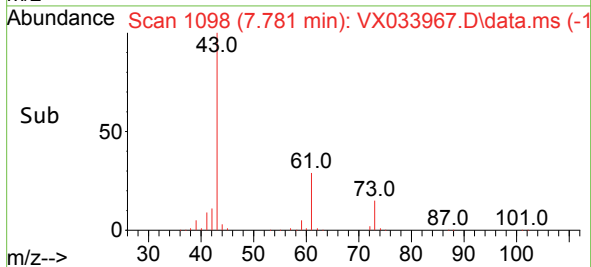
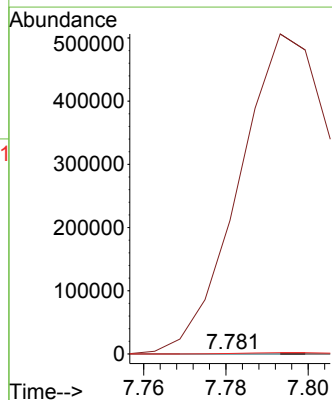
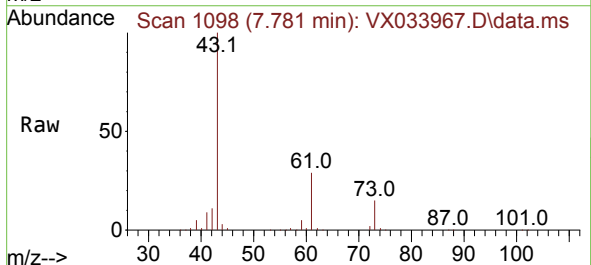
Instrument :
MSVOA_X
ClientSampleId :
DR-2-012723

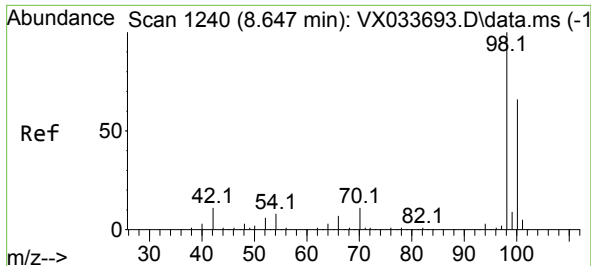
Tgt Ion: 41 Resp: 79064
Ion Ratio Lower Upper
41 100
69 0.0 63.1 94.7#
39 49.2 43.2 64.8



#49
1,4-Dioxane
Concen: 0.627 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.042 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 3816791.3 0.0 0.0#
58 15587.0 56.5 84.7#

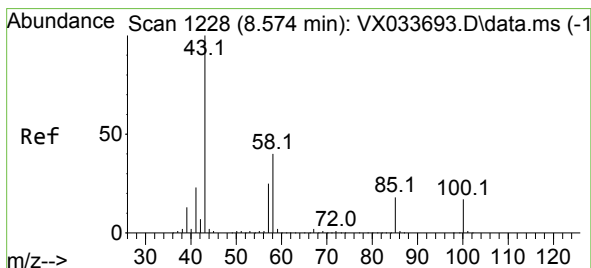
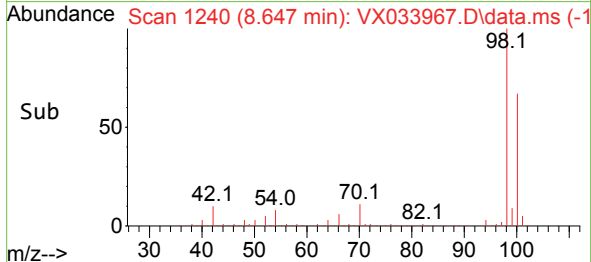
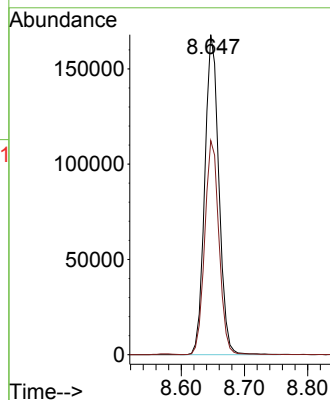
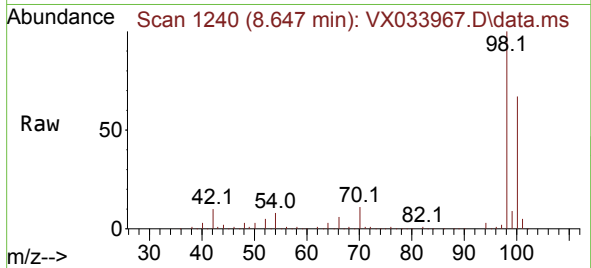




#50
Toluene-d8
Concen: 50.075 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

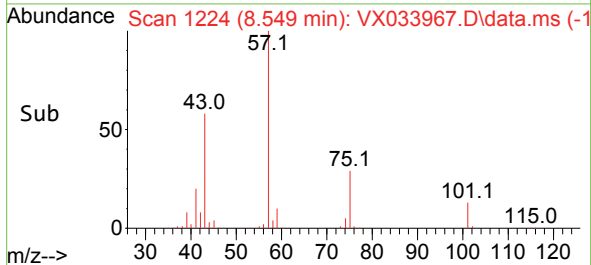
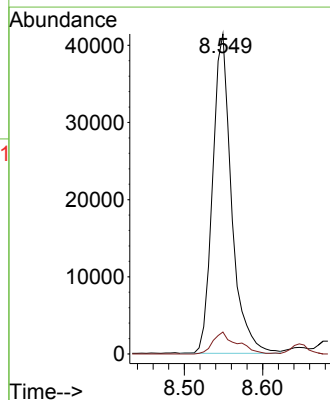
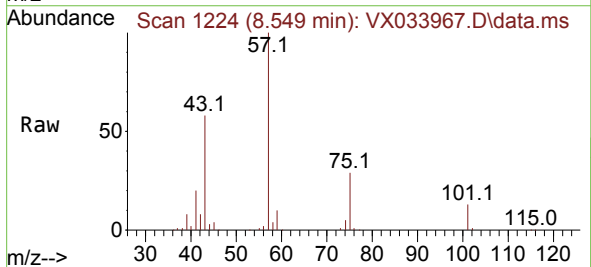
Instrument :
MSVOA_X
ClientSampleId :
DR-2-012723

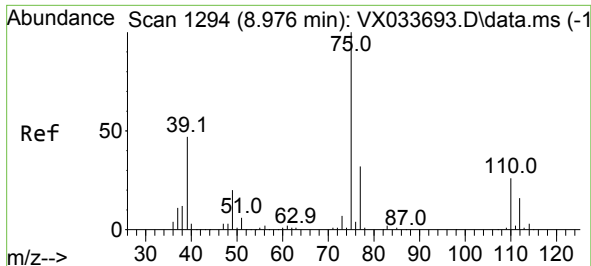
Tgt Ion: 98 Resp: 260688
Ion Ratio Lower Upper
98 100
100 67.5 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 34.382 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

Tgt Ion: 43 Resp: 69513
Ion Ratio Lower Upper
43 100
58 8.7 31.2 46.8#

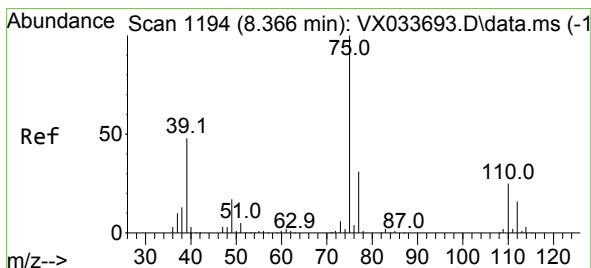
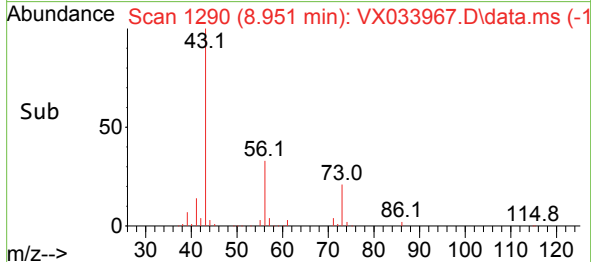
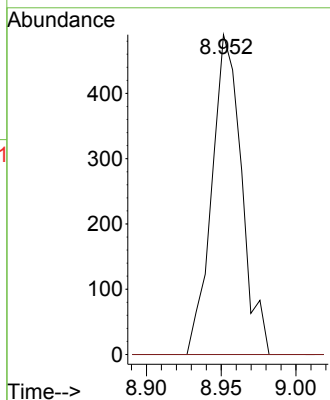
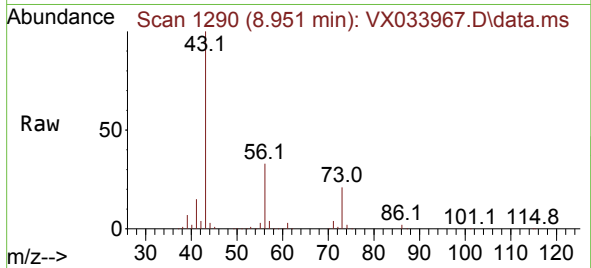




#53
 t-1,3-Dichloropropene
 Concen: 0.331 ug/l
 RT: 8.951 min Scan# 1124
 Delta R.T. -0.025 min
 Lab File: VX033967.D
 Acq: 31 Jan 2023 13:32

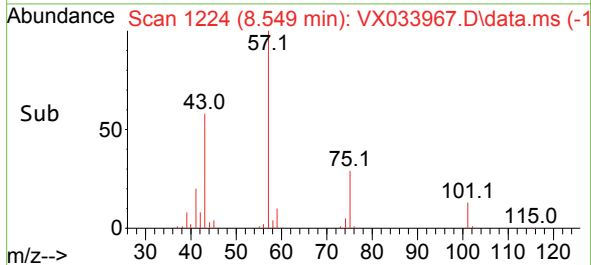
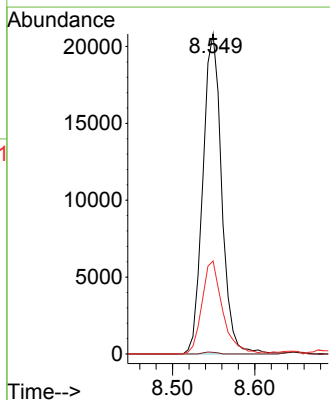
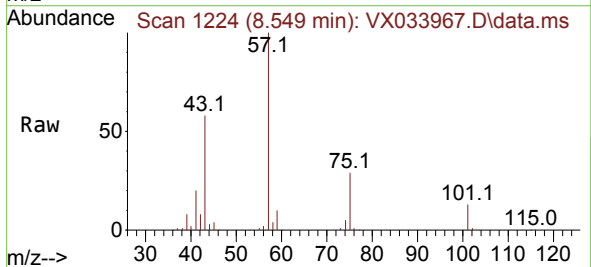
Instrument :
 MSVOA_X
 ClientSampleId :
 DR-2-012723

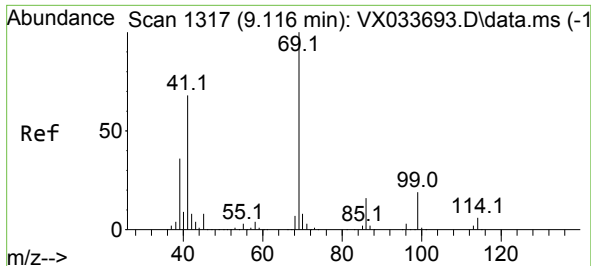
Tgt Ion: 75 Resp: 678
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#



#54
 cis-1,3-Dichloropropene
 Concen: 14.416 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX033967.D
 Acq: 31 Jan 2023 13:32

Tgt Ion: 75 Resp: 33109
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 29.1 38.6 58.0#

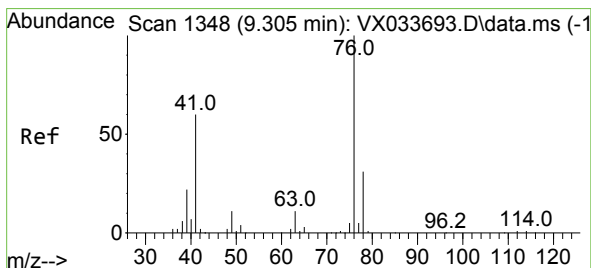
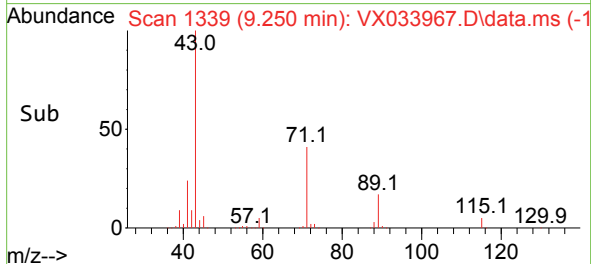
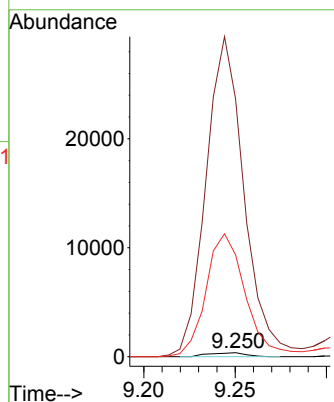
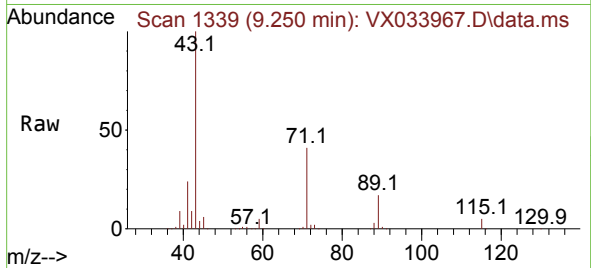




#56
Ethyl methacrylate
Concen: 0.230 ug/l
RT: 9.250 min Scan# 1339
Delta R.T. 0.134 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

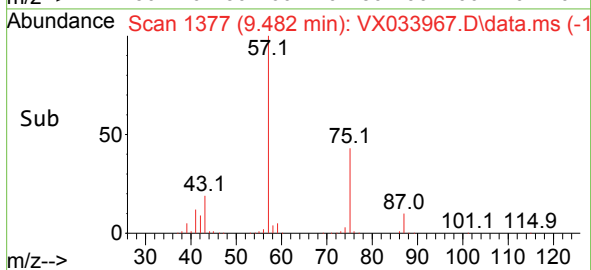
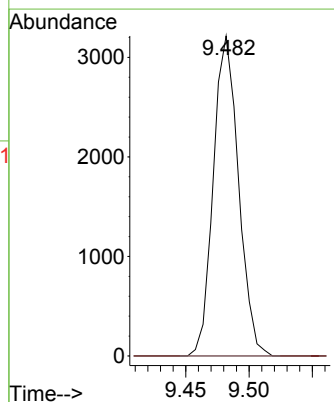
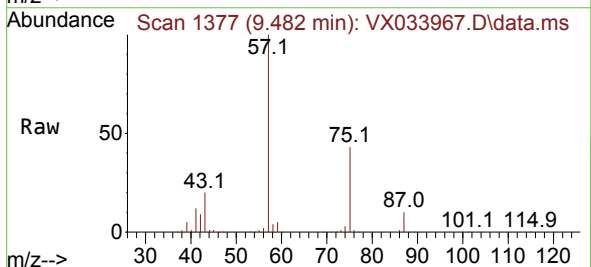
Instrument :
MSVOA_X
ClientSampleId :
DR-2-012723

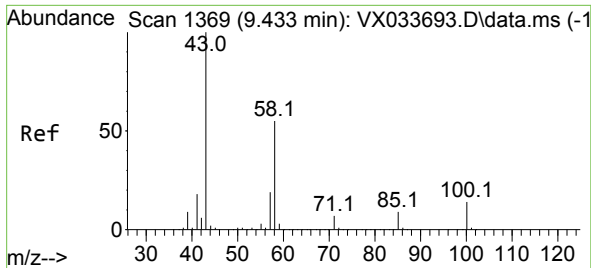
Tgt Ion: 69 Resp: 504
Ion Ratio Lower Upper
69 100
41 8490.7 55.1 82.7#
39 3377.6 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.768 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

Tgt Ion: 76 Resp: 4455
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

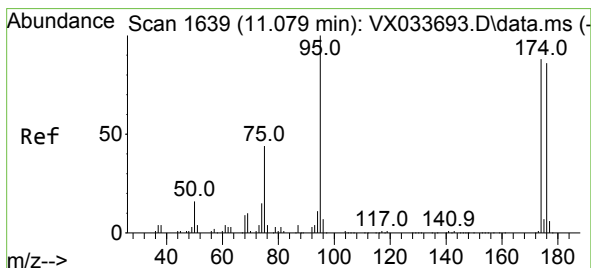
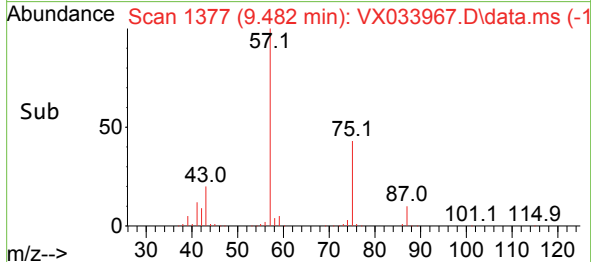
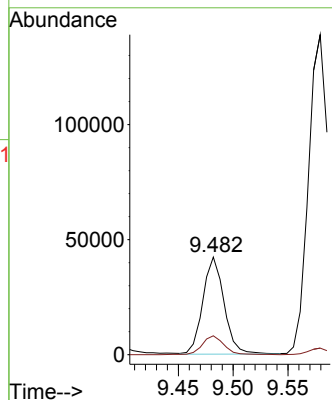
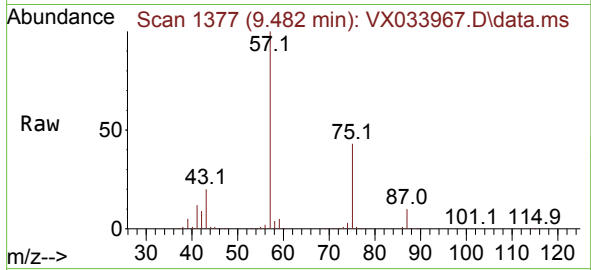




#59
2-Hexanone
Concen: 40.444 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

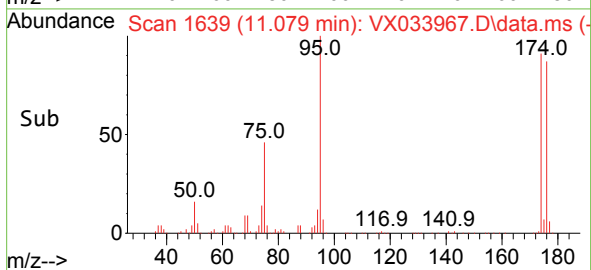
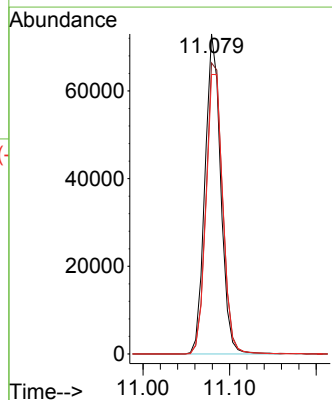
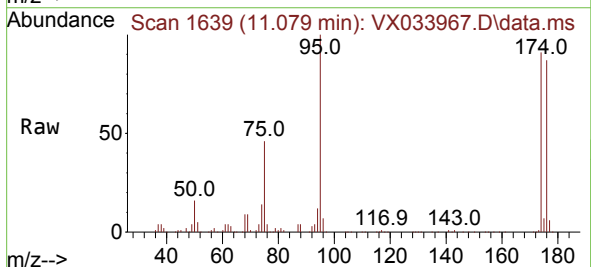
Instrument :
MSVOA_X
ClientSampleId :
DR-2-012723

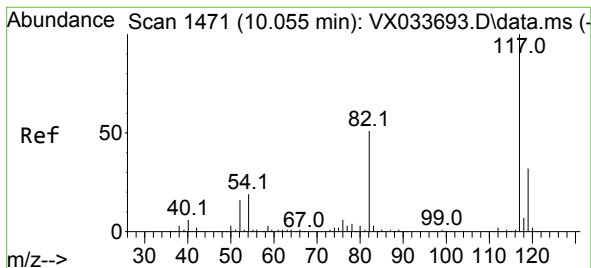
Tgt Ion: 43 Resp: 56913
Ion Ratio Lower Upper
43 100
58 20.1 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 47.524 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

Tgt Ion: 95 Resp: 91859
Ion Ratio Lower Upper
95 100
174 95.7 0.0 184.4
176 93.6 0.0 178.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX033967.D

Acq: 31 Jan 2023 13:32

Instrument :

MSVOA_X

ClientSampleId :

DR-2-012723

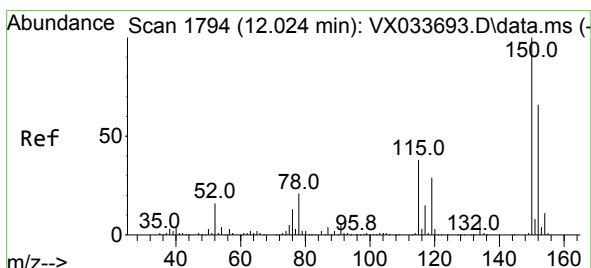
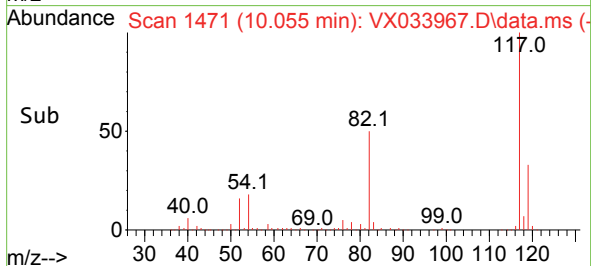
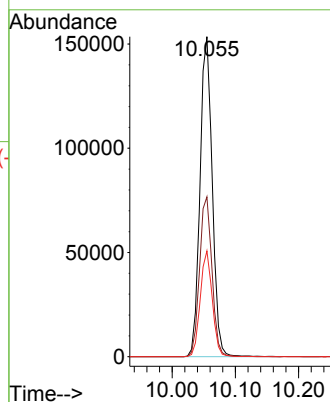
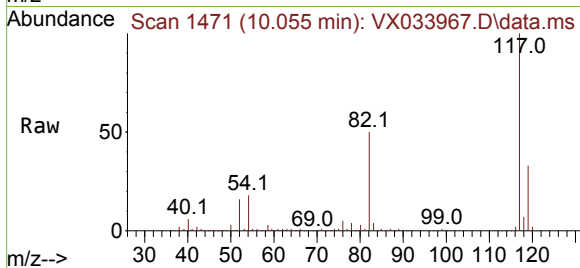
Tgt Ion:117 Resp: 206913

Ion Ratio Lower Upper

117 100

82 49.9 40.6 60.8

119 33.1 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX033967.D

Acq: 31 Jan 2023 13:32

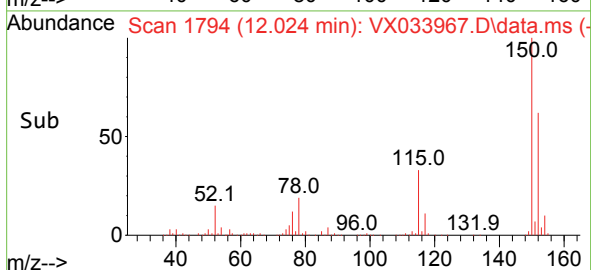
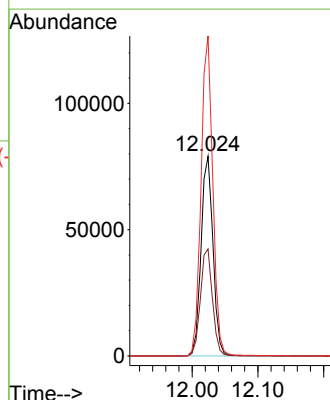
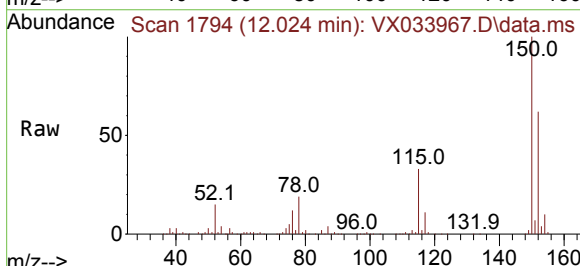
Tgt Ion:152 Resp: 99686

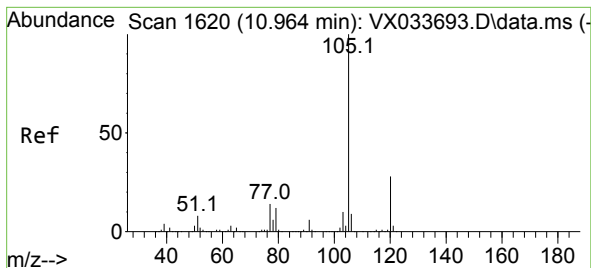
Ion Ratio Lower Upper

152 100

115 54.1 38.7 116.1

150 157.9 0.0 348.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 11.079 min Scan# 1

Delta R.T. 0.115 min

Lab File: VX033967.D

Acq: 31 Jan 2023 13:32

Instrument :

MSVOA_X

ClientSampleId :

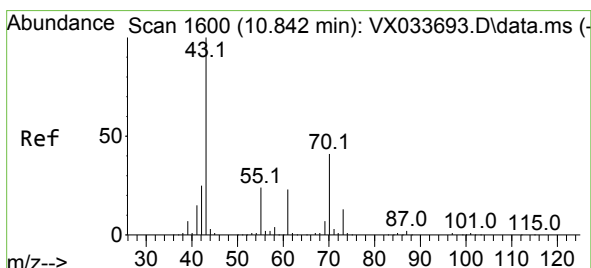
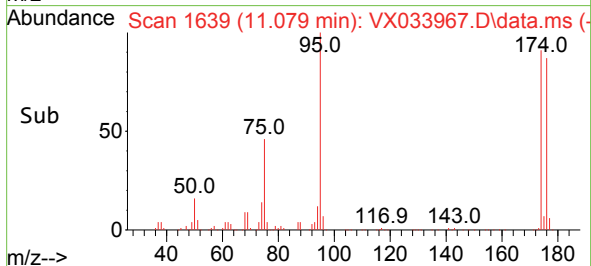
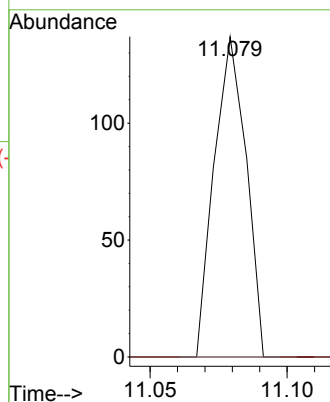
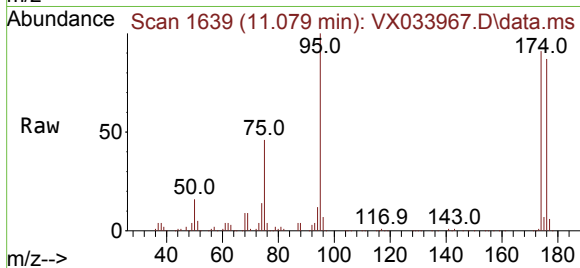
DR-2-012723

Tgt Ion:105 Resp: 111

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



#74

N-ethyl acetate

Concen: 7.981 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX033967.D

Acq: 31 Jan 2023 13:32

Tgt Ion: 43 Resp: 20893

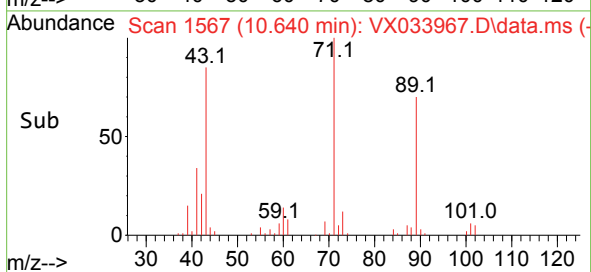
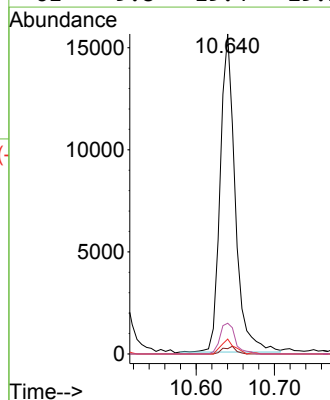
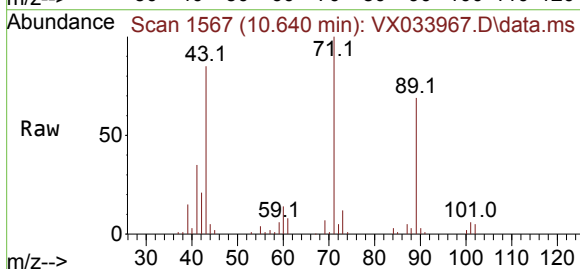
Ion Ratio Lower Upper

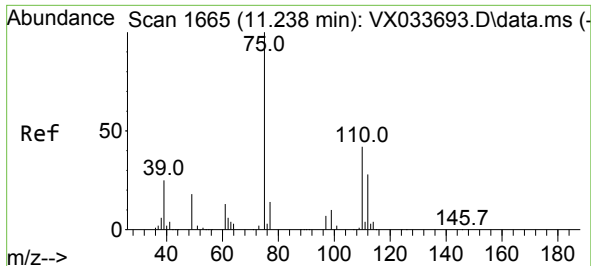
43 100

70 2.0 34.8 52.2#

55 4.2 19.4 29.0#

61 9.8 19.4 29.2#

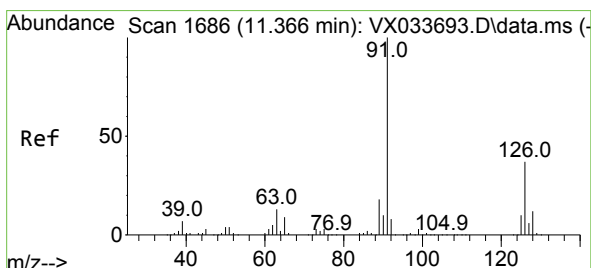
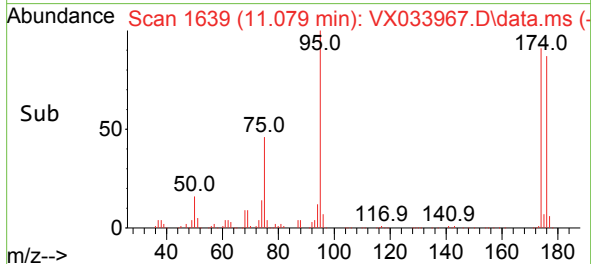
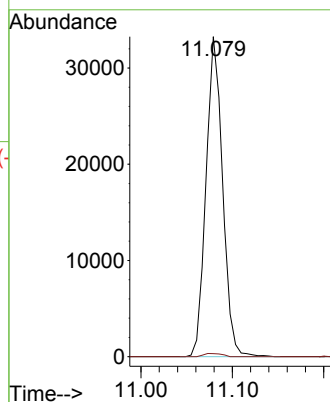
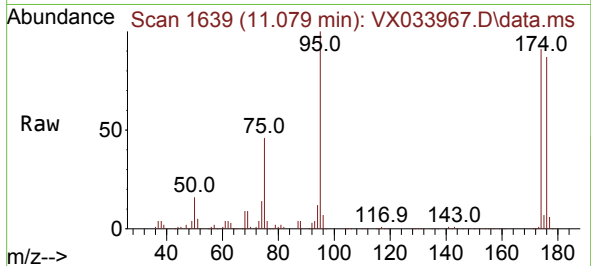




#76
1,2,3-Trichloropropane
Concen: 22.853 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

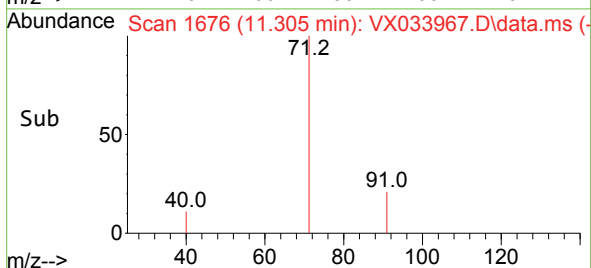
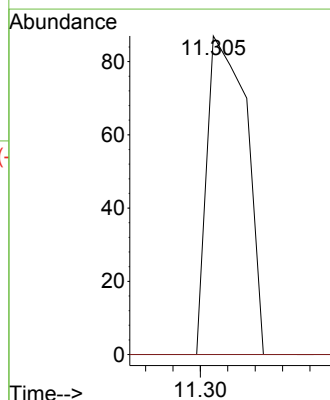
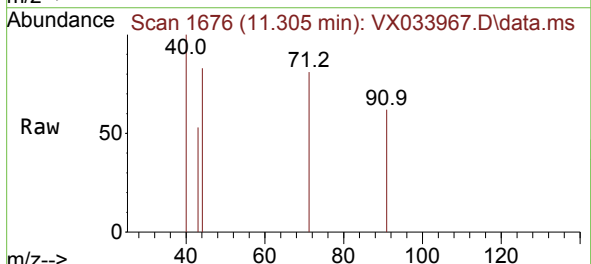
Instrument :
MSVOA_X
ClientSampleId :
DR-2-012723

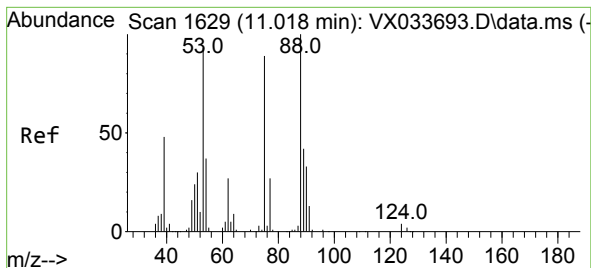
Tgt Ion: 75 Resp: 41857
Ion Ratio Lower Upper
75 100
77 1.1 21.8 65.4#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.305 min Scan# 1676
Delta R.T. -0.061 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

Tgt Ion: 91 Resp: 86
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#

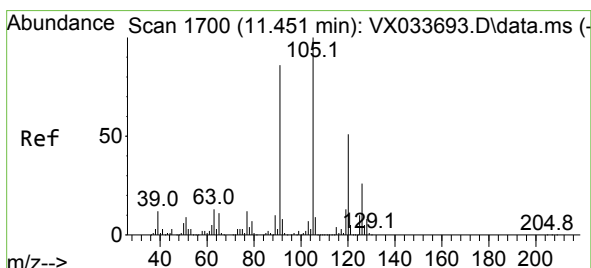
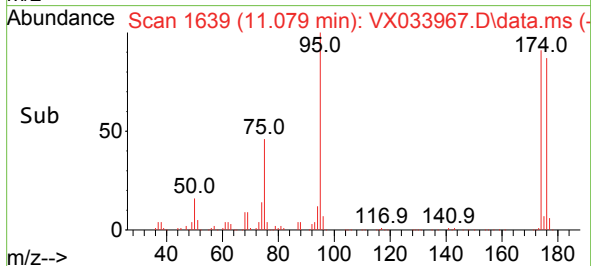
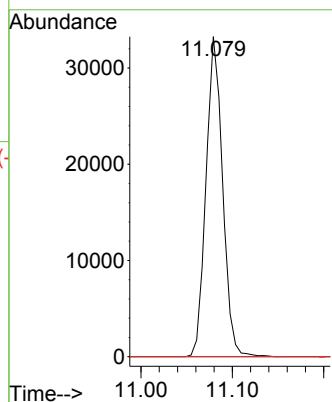
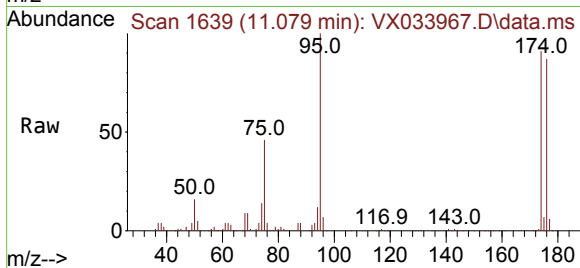




#81
trans-1,4-Dichloro-2-butene
Concen: 71.024 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

Instrument :
MSVOA_X
ClientSampleId :
DR-2-012723

Tgt Ion: 75 Resp: 41857
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.475 min Scan# 1704
Delta R.T. 0.024 min
Lab File: VX033967.D
Acq: 31 Jan 2023 13:32

Tgt Ion: 91 Resp: 30
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#

