

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011423\
 Data File : VX033737.D
 Acq On : 13 Jan 2023 20:57
 Operator : JC/MD
 Sample : PB150223ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 16 05:39:48 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)

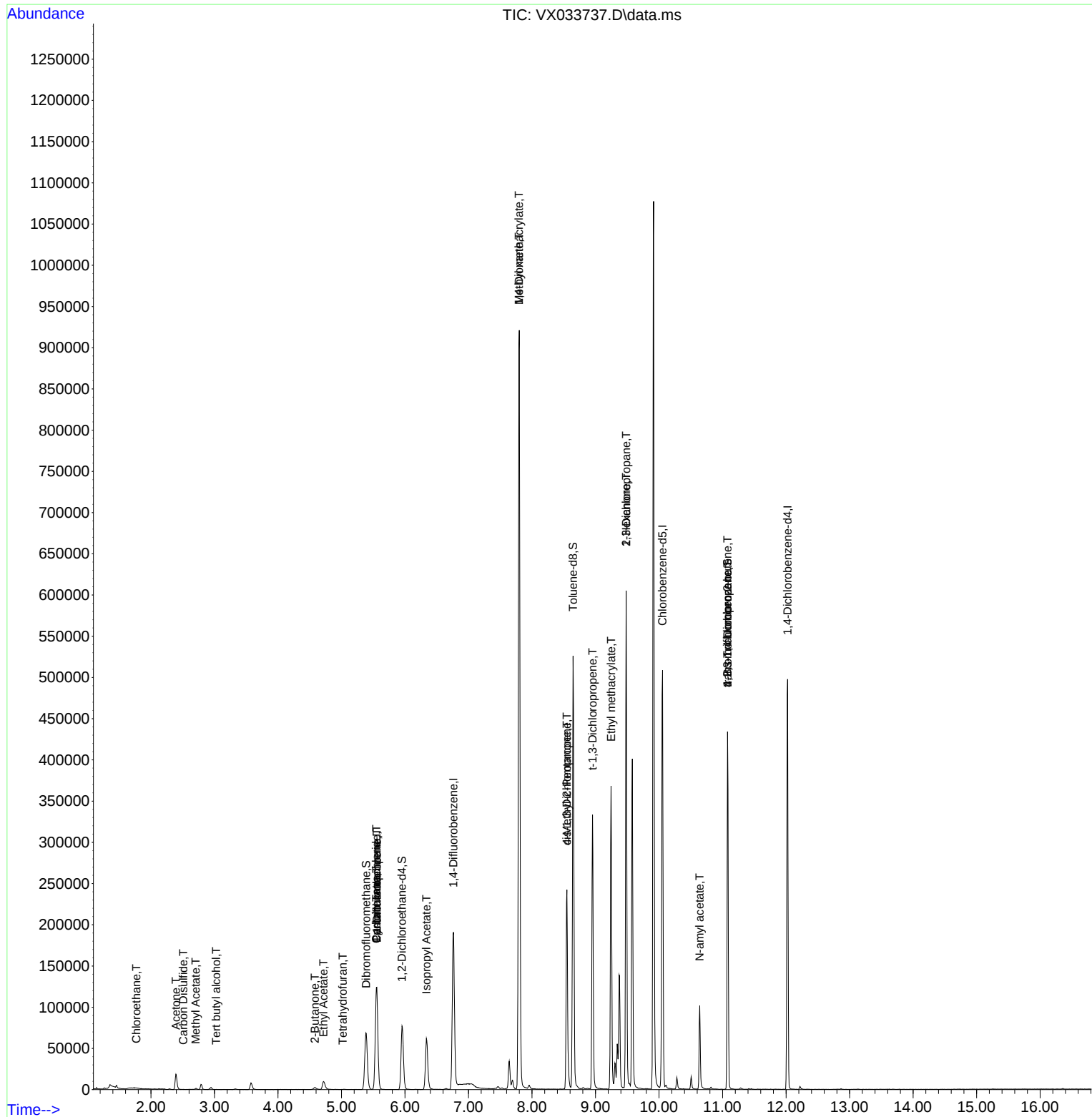
Internal Standards						
1) Pentafluorobenzene	5.556	168	124474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	190857	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	240509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76006	57.993	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.980%			
35) Dibromofluoromethane	5.385	113	58718	49.546	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.100%			
50) Toluene-d8	8.647	98	305124	70.663	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 141.320%#			
62) 4-Bromofluorobenzene	11.079	95	108281	67.541	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 135.080%#			
Target Compounds						
					Qvalue	
6) Chloroethane	1.770	64	150	0.230	ug/l #	42
11) Tert butyl alcohol	3.026	59	55	0.242	ug/l #	86
16) Acetone	2.392	43	25368	43.004	ug/l	94
17) Carbon Disulfide	2.507	76	21	1.830	ug/l #	76
18) Methyl Acetate	2.703	43	1777	0.972	ug/l #	88
25) 2-Butanone	4.580	43	4158	4.856	ug/l	91
29) Tetrahydrofuran	5.019	42	119	0.220	ug/l #	34
31) Cyclohexane	5.550	56	2553	1.324	ug/l #	43
36) 1,1-Dichloropropene	5.556	75	9066	5.242	ug/l #	50
37) Ethyl Acetate	4.714	43	18653	8.956	ug/l	97
38) Carbon Tetrachloride	5.550	117	11588	6.469	ug/l #	16
43) Isopropyl Acetate	6.336	43	85574	31.340	ug/l	97
48) Methyl methacrylate	7.793	41	85165	61.917	ug/l #	46
49) 1,4-Dioxane	7.793	88	64	2.104	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	87237	52.021	ug/l #	51
53) t-1,3-Dichloropropene	8.951	75	719	0.423	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	38493	20.206	ug/l #	61
56) Ethyl methacrylate	9.244	69	735	0.405	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	5241	2.508	ug/l #	43
59) 2-Hexanone	9.482	43	71110	60.924	ug/l #	49
73) Isopropylbenzene	11.079	105	94	Below Cal	#	48
74) N-amyl acetate	10.640	43	27530	9.123	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	11.085	83	21	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	51741	24.505	ug/l #	34
79) 2-Chlorotoluene	11.457	91	25	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	51741	76.157	ug/l #	8
82) 4-Chlorotoluene	11.457	91	25	Below Cal	#	43

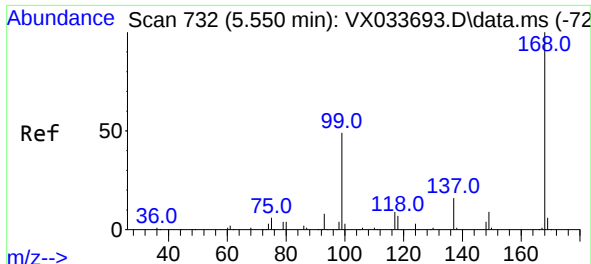
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011423\
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Quant Time: Jan 16 05:39:48 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

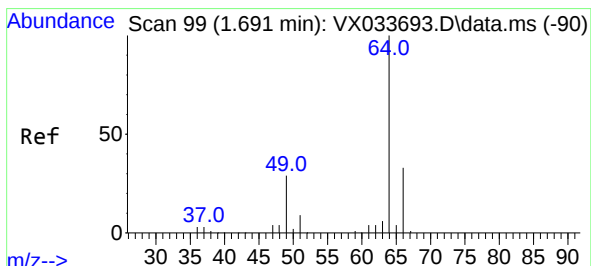
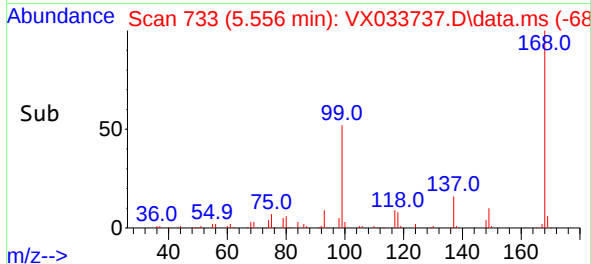
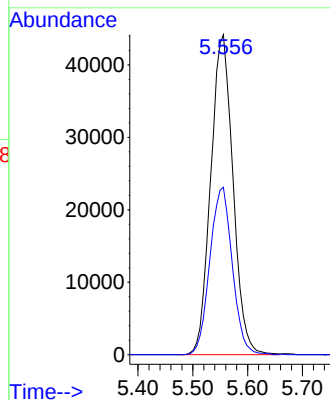
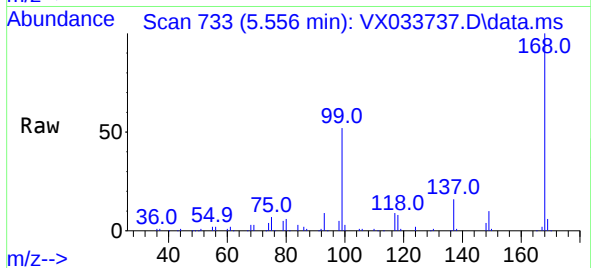




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

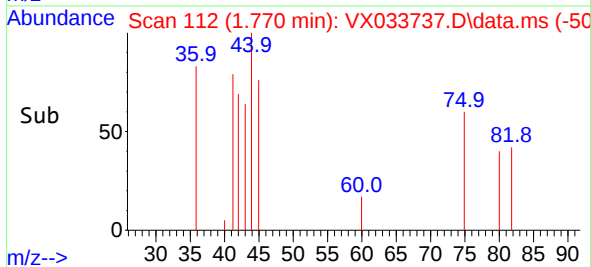
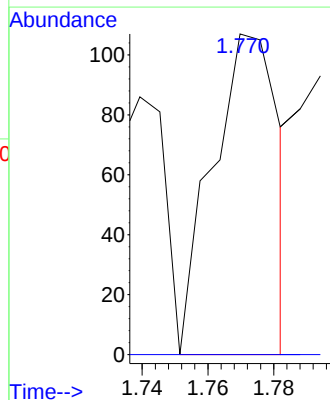
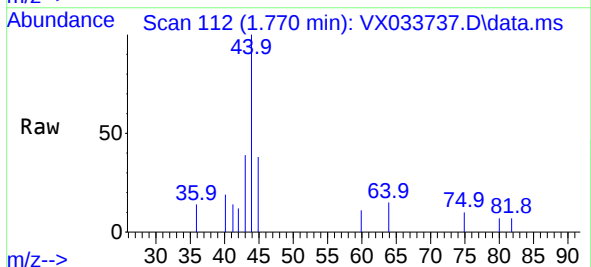
Instrument :
MSVOA_X
ClientSampleId :

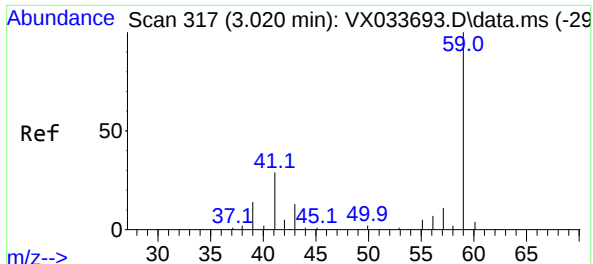
Tgt Ion:168 Resp: 124474
Ion Ratio Lower Upper
168 100
99 52.3 39.6 59.4



#6
Chloroethane
Concen: 0.230 ug/l
RT: 1.770 min Scan# 112
Delta R.T. 0.079 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

Tgt Ion: 64 Resp: 150
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#





#11

Tert butyl alcohol

Concen: 0.242 ug/l

RT: 3.026 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX033737.D

Acq: 13 Jan 2023 20:57

Instrument :

MSVOA_X

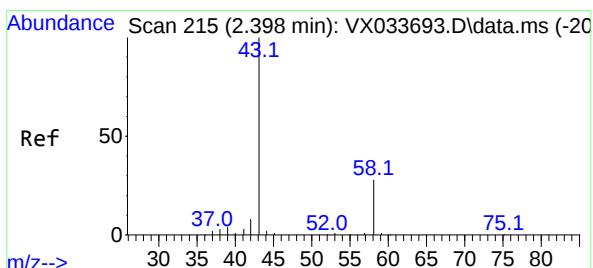
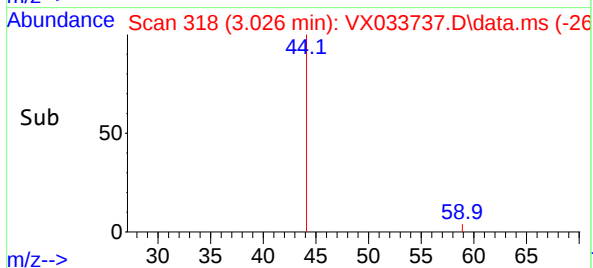
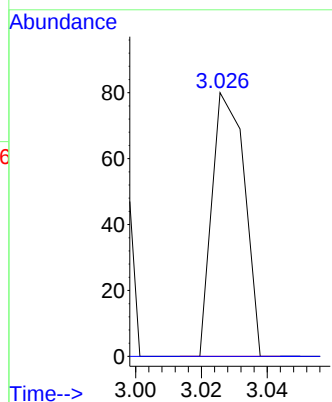
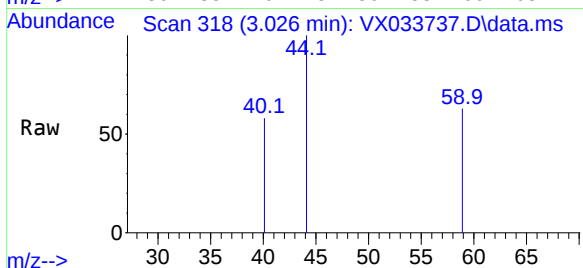
ClientSampleId :

Tgt Ion: 59 Resp: 55

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#



#16

Acetone

Concen: 43.004 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX033737.D

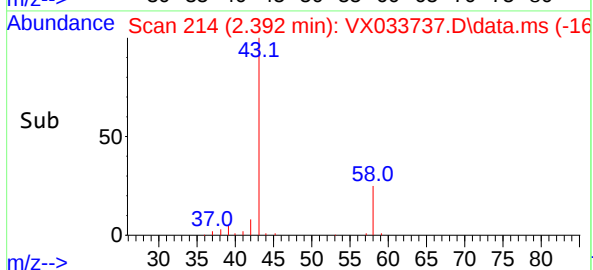
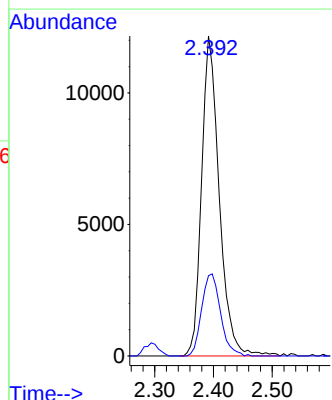
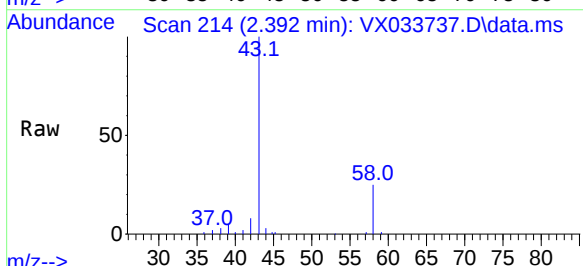
Acq: 13 Jan 2023 20:57

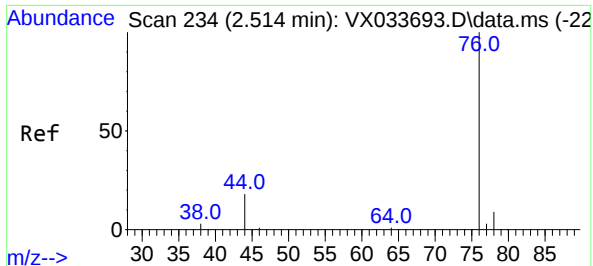
Tgt Ion: 43 Resp: 25368

Ion Ratio Lower Upper

43 100

58 25.1 22.6 33.8

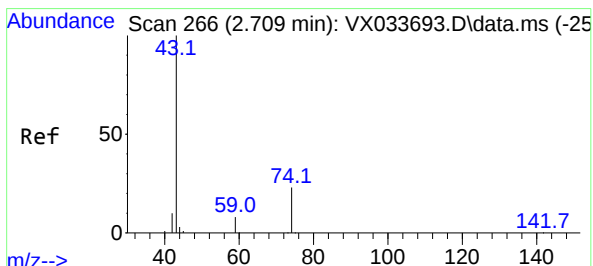
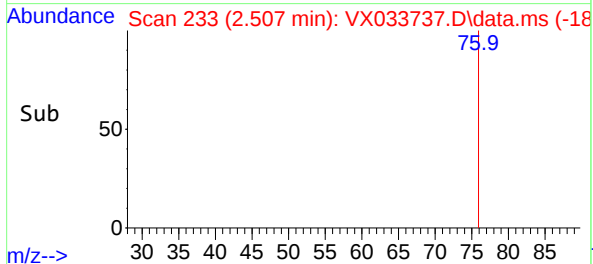
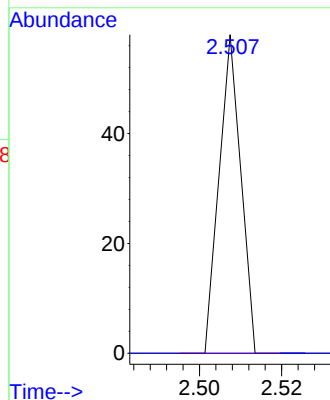
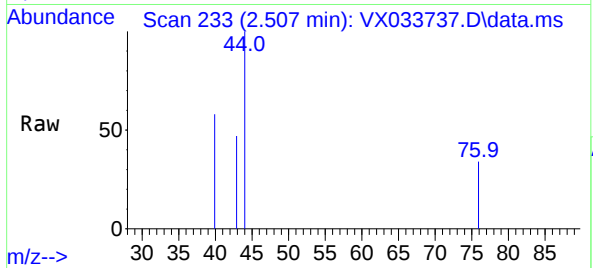




#17
Carbon Disulfide
Concen: 1.830 ug/l
RT: 2.507 min Scan# 21
Delta R.T. -0.007 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

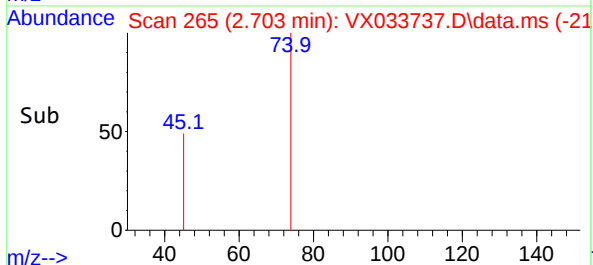
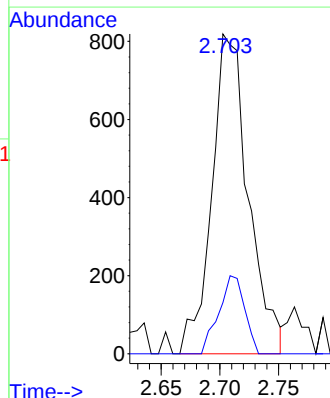
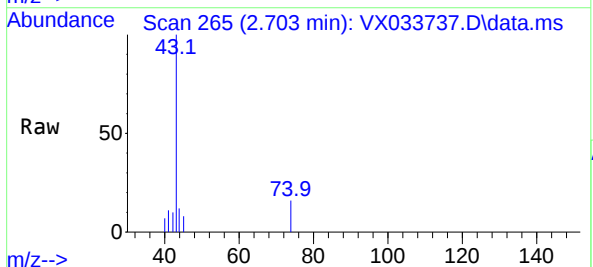
Instrument :
MSVOA_X
ClientSampleId :

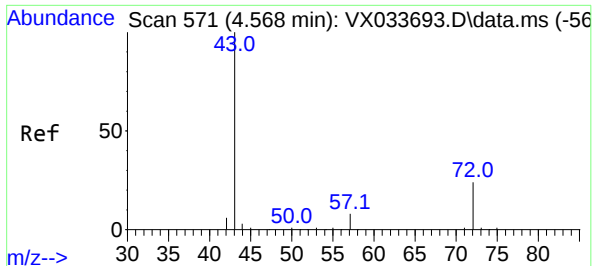
Tgt Ion: 76 Resp: 21
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 0.972 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

Tgt Ion: 43 Resp: 1777
Ion Ratio Lower Upper
43 100
74 17.2 18.2 27.4#





#25

2-Butanone

Concen: 4.856 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX033737.D

Acq: 13 Jan 2023 20:57

Instrument :

MSVOA_X

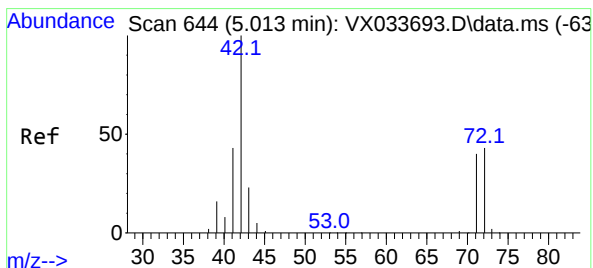
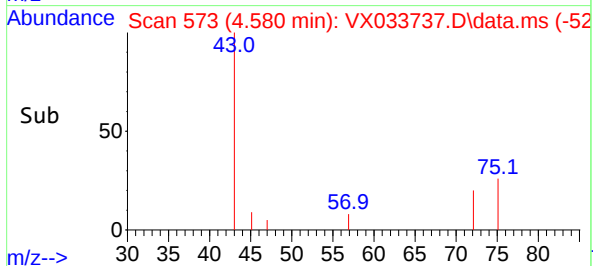
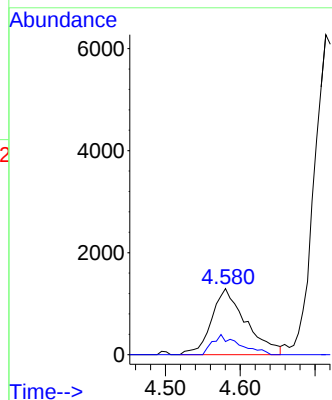
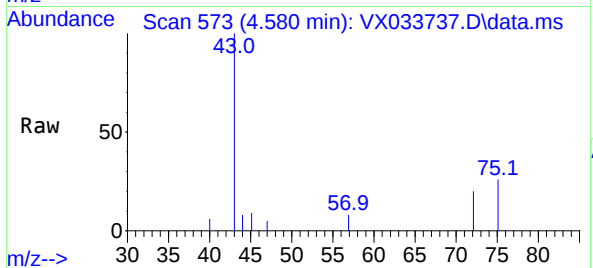
ClientSampleId :

Tgt Ion: 43 Resp: 4158

Ion Ratio Lower Upper

43 100

72 20.0 19.4 29.2



#29

Tetrahydrofuran

Concen: 0.220 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.006 min

Lab File: VX033737.D

Acq: 13 Jan 2023 20:57

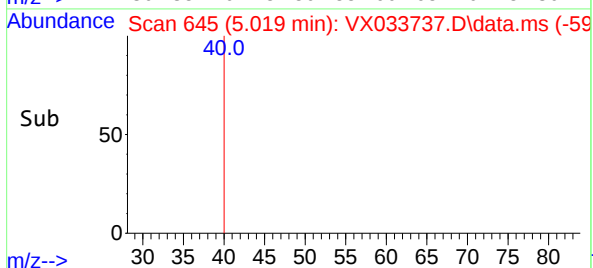
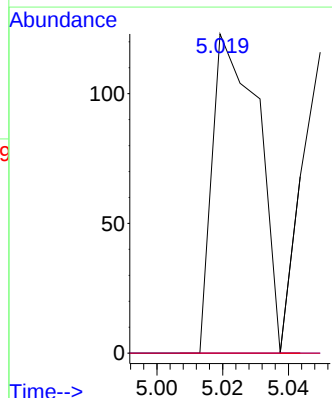
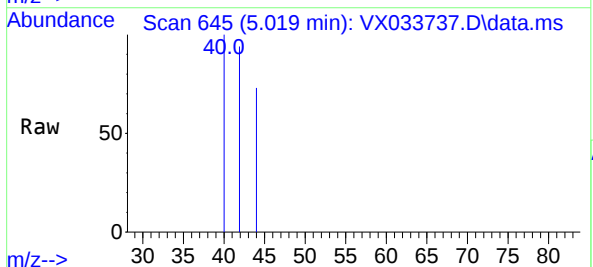
Tgt Ion: 42 Resp: 119

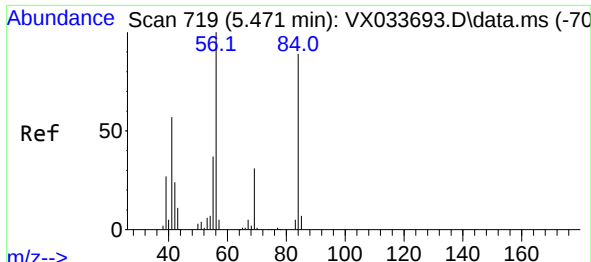
Ion Ratio Lower Upper

42 100

72 0.0 34.8 52.2#

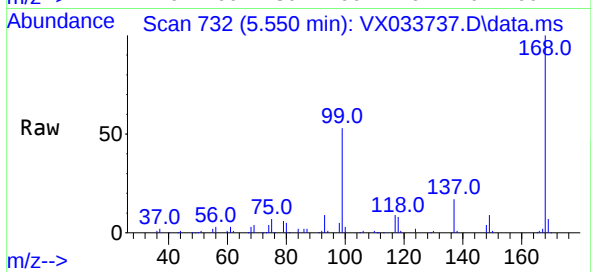
71 0.0 32.2 48.2#



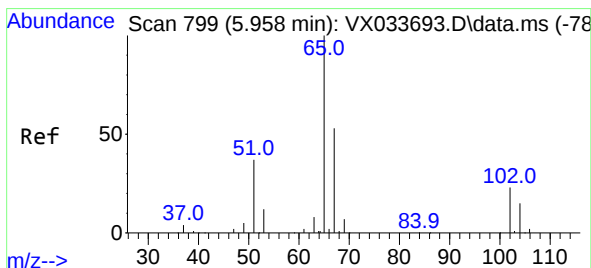
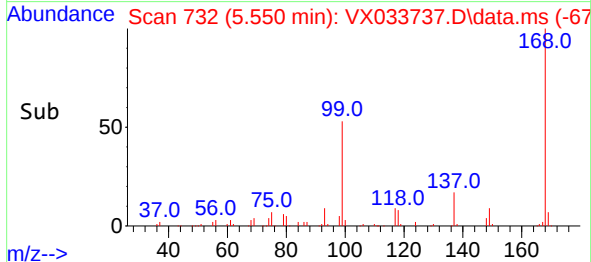
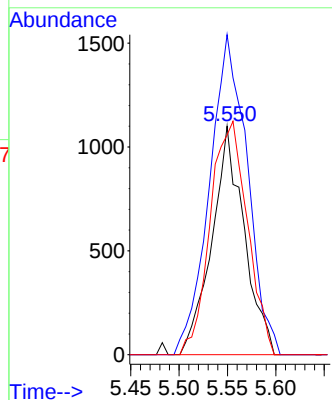


#31
Cyclohexane
Concen: 1.324 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

Instrument :
MSVOA_X
ClientSampleId :

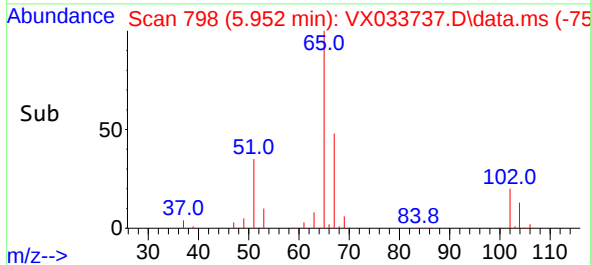
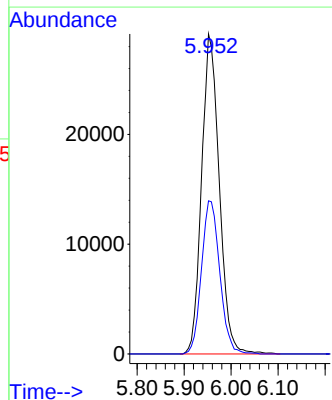
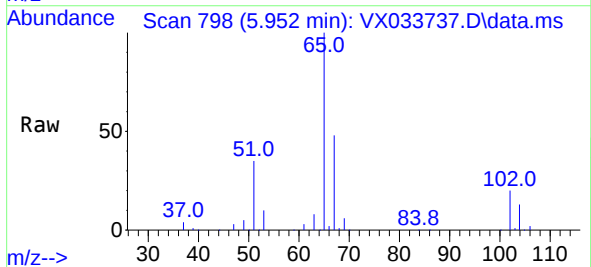


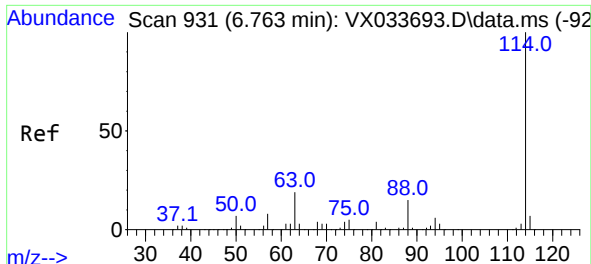
Tgt Ion: 56 Resp: 2553
Ion Ratio Lower Upper
56 100
69 140.1 24.6 37.0#
84 96.2 71.0 106.6



#33
1,2-Dichloroethane-d4
Concen: 57.993 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

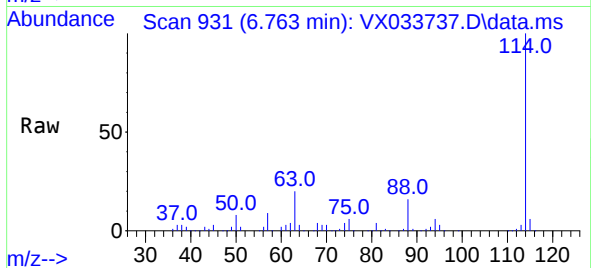
Tgt Ion: 65 Resp: 76006
Ion Ratio Lower Upper
65 100
67 49.6 0.0 104.8



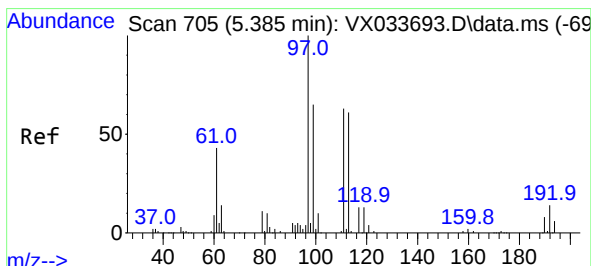
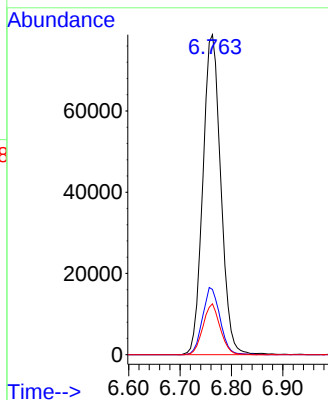
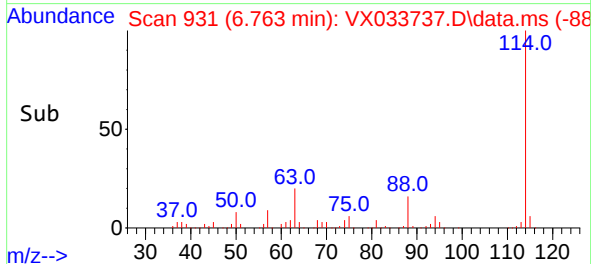


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

Instrument :
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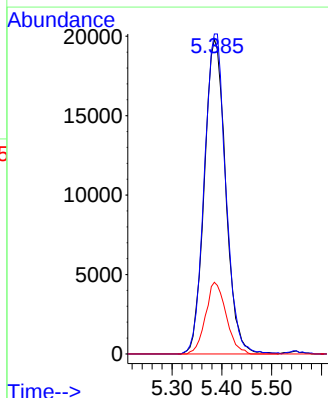
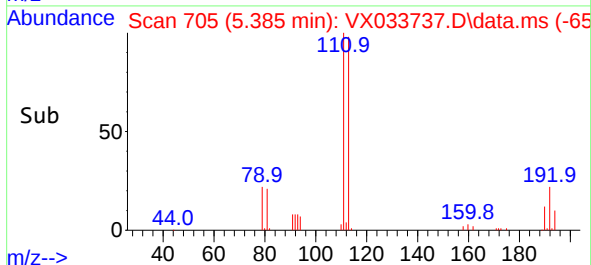
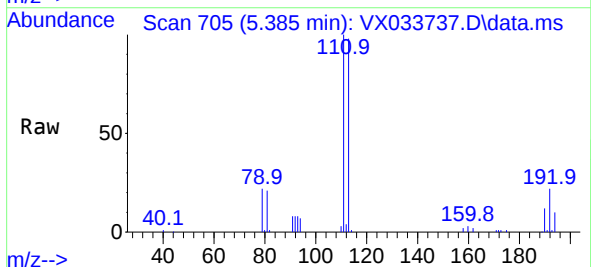


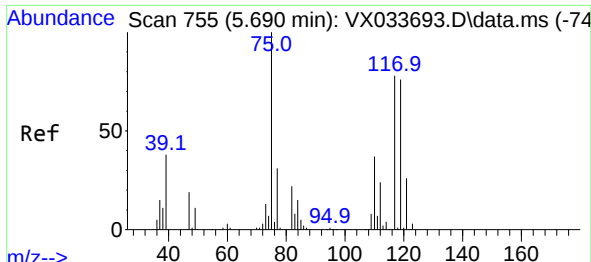
Tgt Ion:114 Resp: 190857
Ion Ratio Lower Upper
114 100
63 20.4 0.0 37.4
88 15.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.546 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

Tgt Ion:113 Resp: 58718
Ion Ratio Lower Upper
113 100
111 102.1 83.0 124.6
192 22.0 19.0 28.4





#36

1,1-Dichloropropene

Concen: 5.242 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

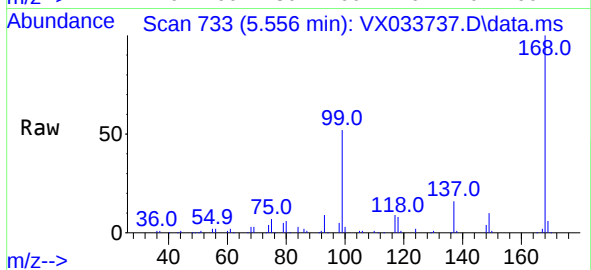
Lab File: VX033737.D

Acq: 13 Jan 2023 20:57

Instrument :

MSVOA_X

ClientSampleId :



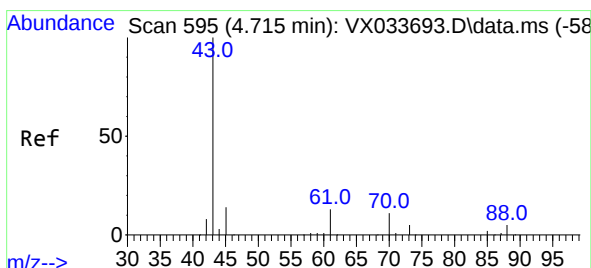
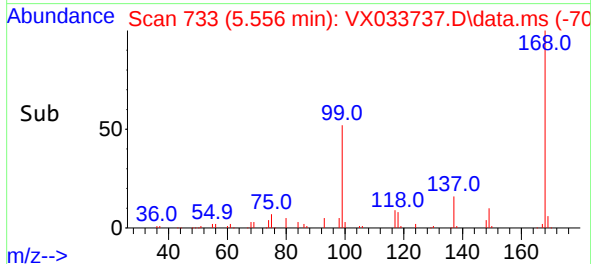
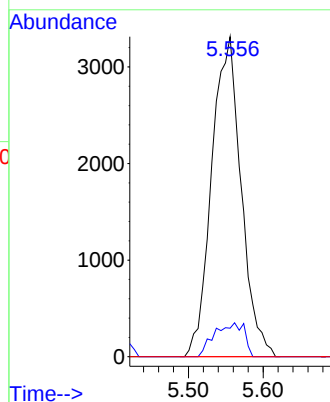
Tgt Ion: 75 Resp: 9066

Ion Ratio Lower Upper

75 100

110 10.7 18.8 56.4#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 8.956 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.001 min

Lab File: VX033737.D

Acq: 13 Jan 2023 20:57

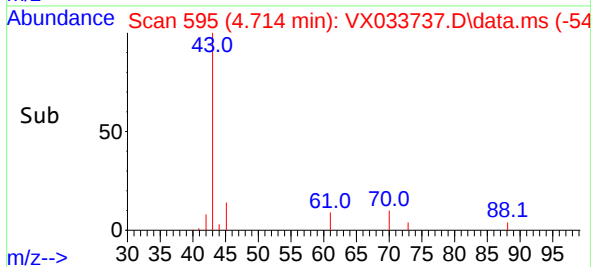
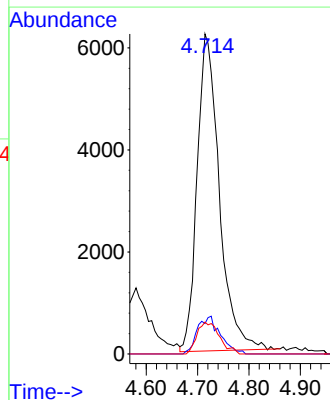
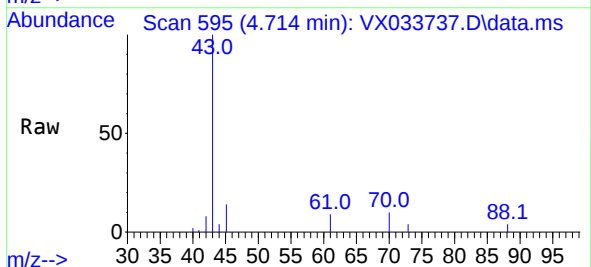
Tgt Ion: 43 Resp: 18653

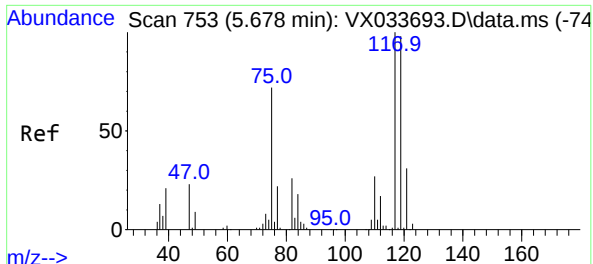
Ion Ratio Lower Upper

43 100

61 12.3 11.1 16.7

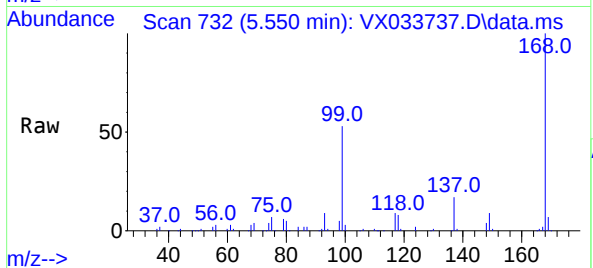
70 10.2 8.5 12.7



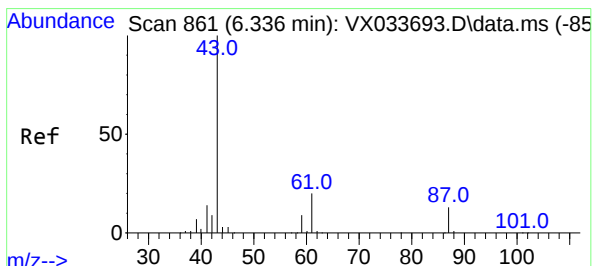
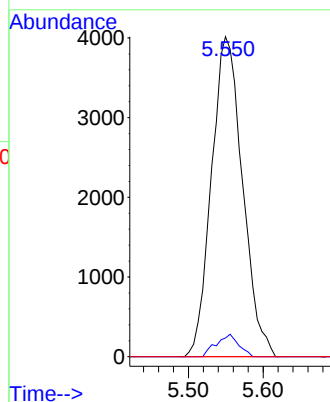
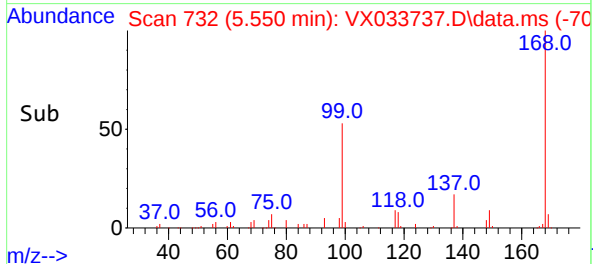


#38
Carbon Tetrachloride
Concen: 6.469 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

Instrument :
MSVOA_X
ClientSampleId :

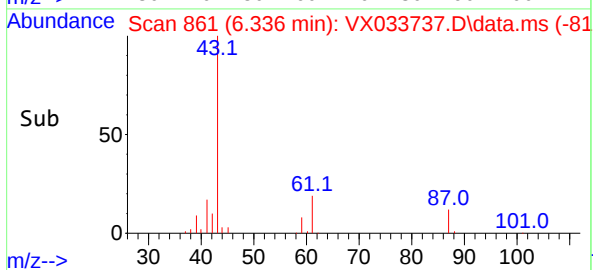
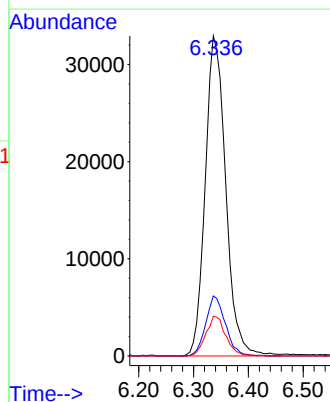
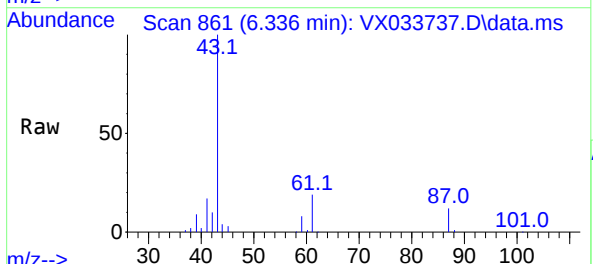


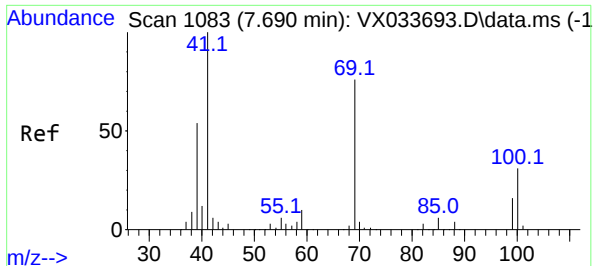
Tgt Ion:117 Resp: 11588
Ion Ratio Lower Upper
117 100
119 5.9 78.0 117.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 31.340 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

Tgt Ion: 43 Resp: 85574
Ion Ratio Lower Upper
43 100
61 18.0 15.7 23.5
87 12.0 10.6 15.8

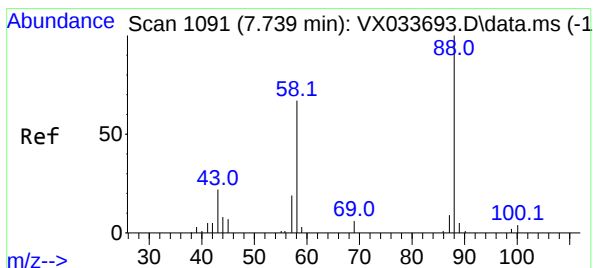
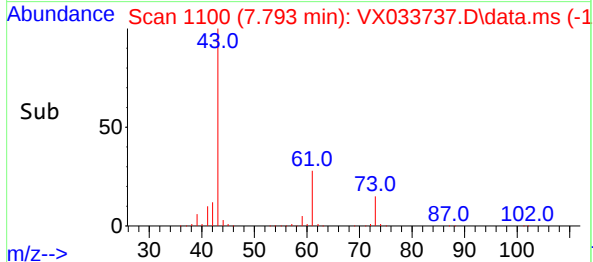
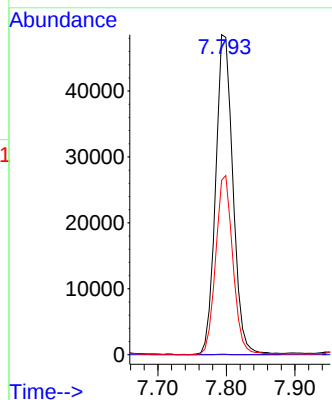
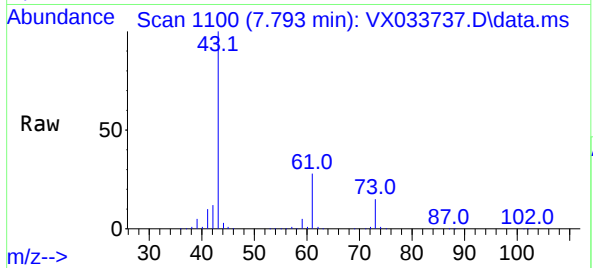




#48
Methyl methacrylate
Concen: 61.917 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

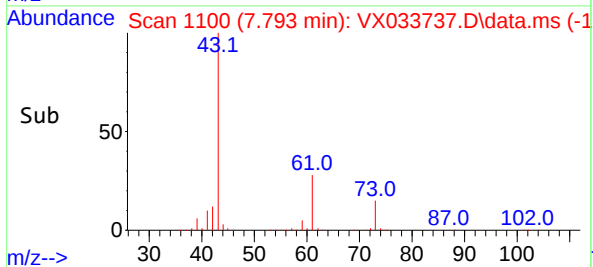
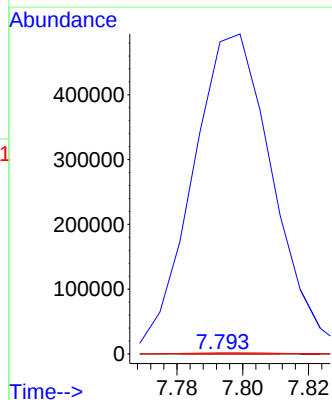
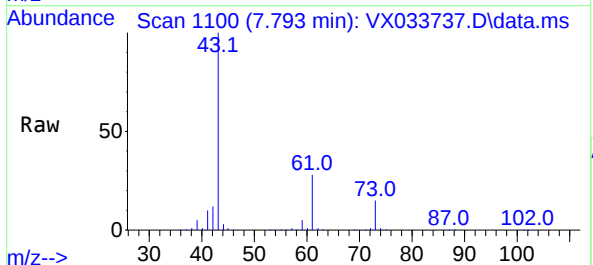
Instrument :
MSVOA_X
ClientSampleId :

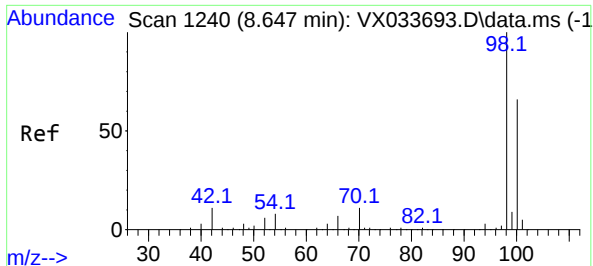
Tgt Ion: 41 Resp: 85165
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 55.6 43.2 64.8



#49
1,4-Dioxane
Concen: 2.104 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.055 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 1340684.4 0.0 0.0#
58 5315.6 56.5 84.7#

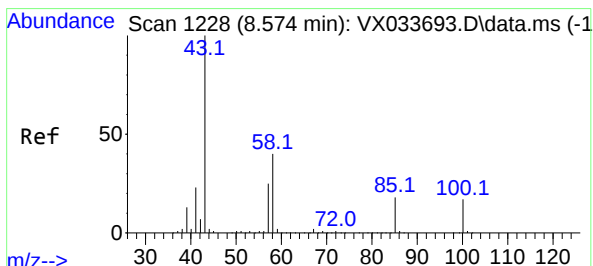
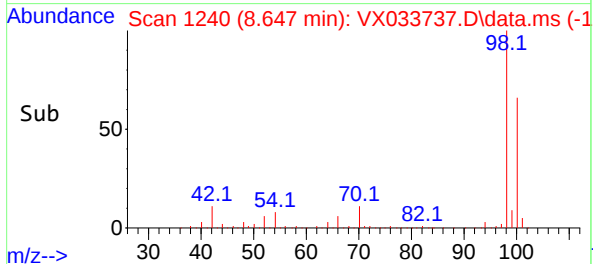
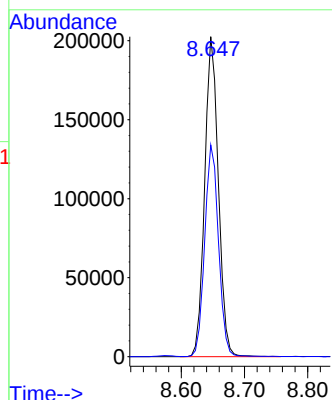
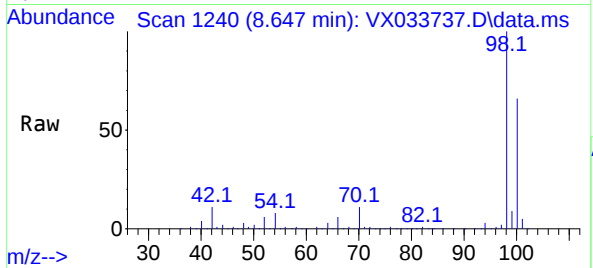




#50
Toluene-d8
Concen: 70.663 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

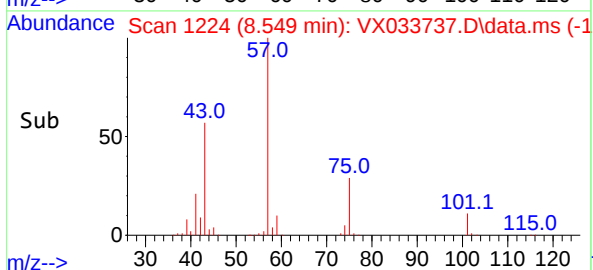
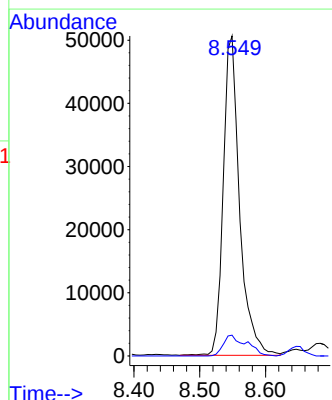
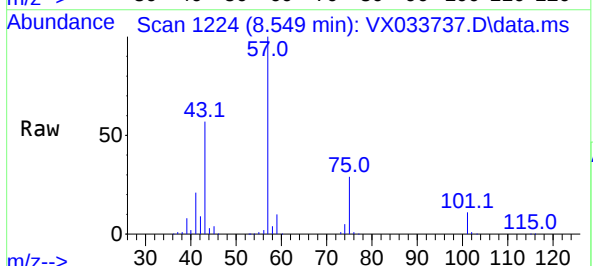
Instrument :
MSVOA_X
ClientSampleId :

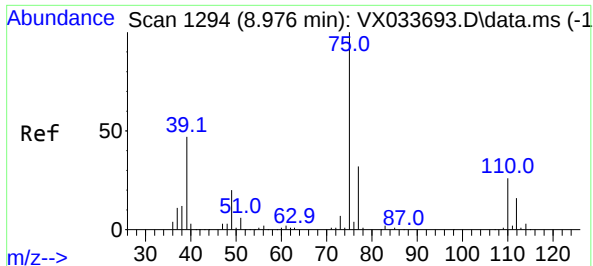
Tgt Ion: 98 Resp: 305124
Ion Ratio Lower Upper
98 100
100 66.9 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 52.021 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

Tgt Ion: 43 Resp: 87237
Ion Ratio Lower Upper
43 100
58 9.4 31.2 46.8#

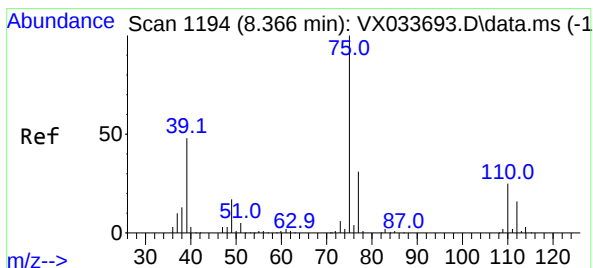
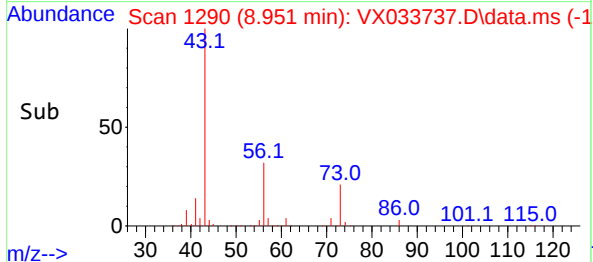
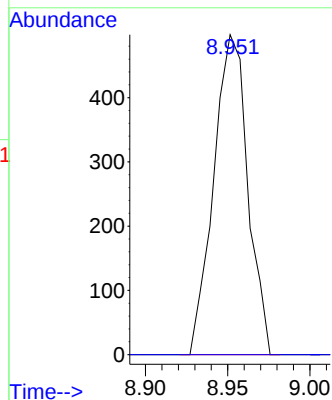
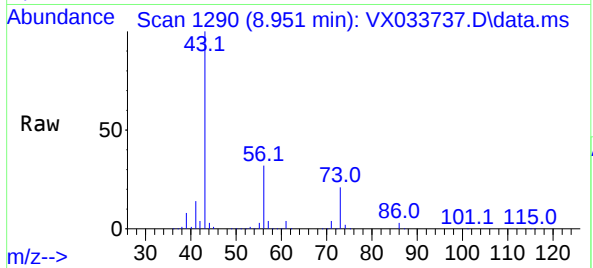




#53
t-1,3-Dichloropropene
Concen: 0.423 ug/l
RT: 8.951 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

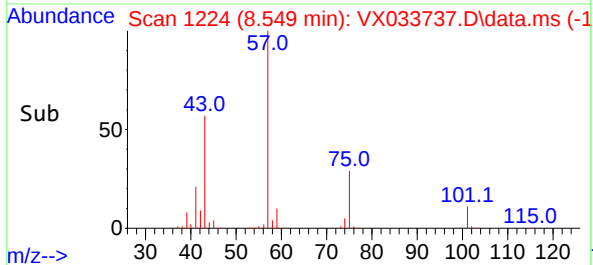
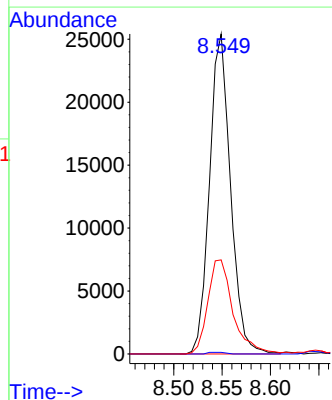
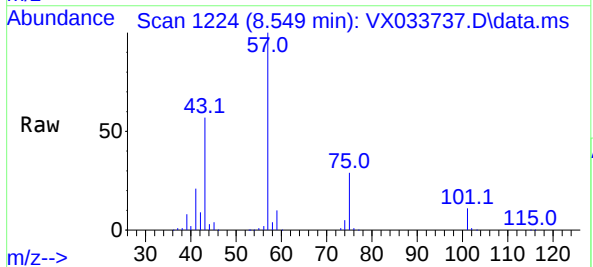
Instrument :
MSVOA_X
ClientSampleId :

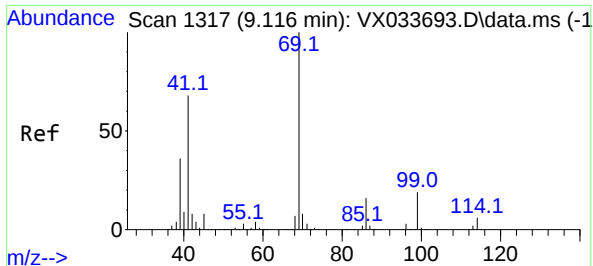
Tgt Ion: 75 Resp: 719
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#



#54
cis-1,3-Dichloropropene
Concen: 20.206 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

Tgt Ion: 75 Resp: 38493
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.6#
39 29.4 38.6 58.0#





#56

Ethyl methacrylate

Concen: 0.405 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX033737.D

Acq: 13 Jan 2023 20:57

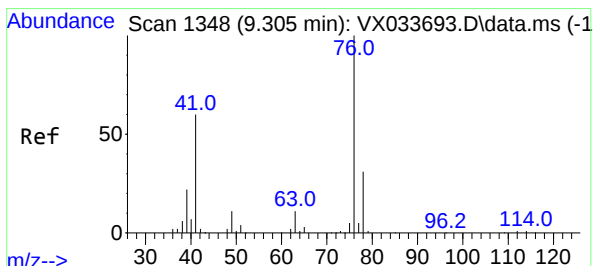
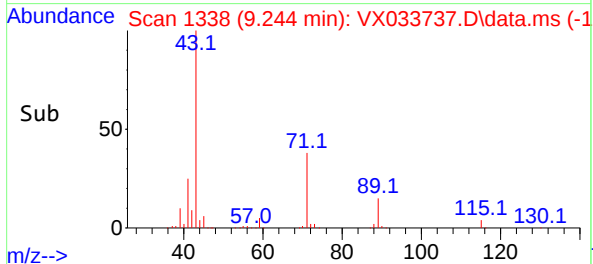
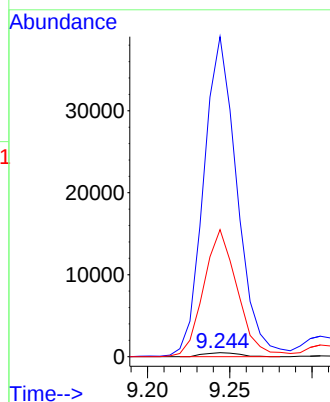
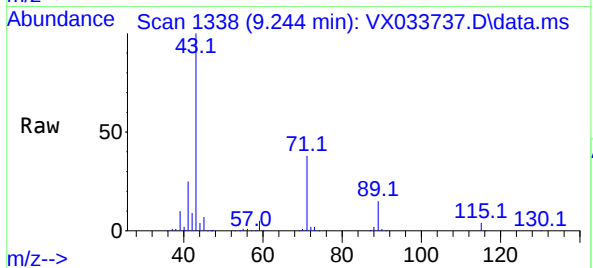
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 69 Resp: 735

Ion	Ratio	Lower	Upper
69	100		
41	7543.1	55.1	82.7#
39	3024.5	28.5	42.7#



#57

1,3-Dichloropropane

Concen: 2.508 ug/l

RT: 9.482 min Scan# 1377

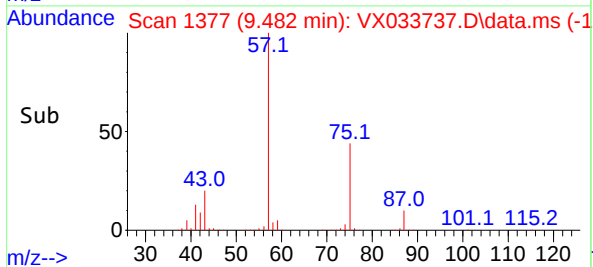
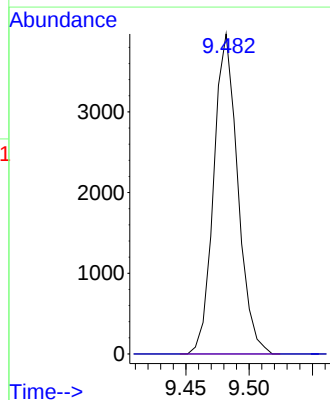
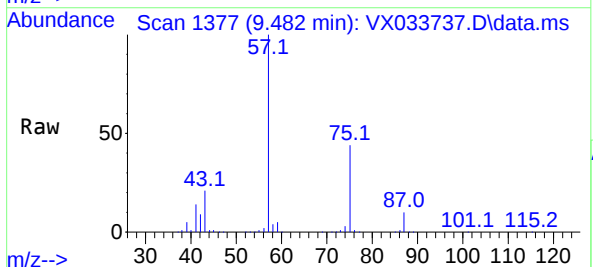
Delta R.T. 0.176 min

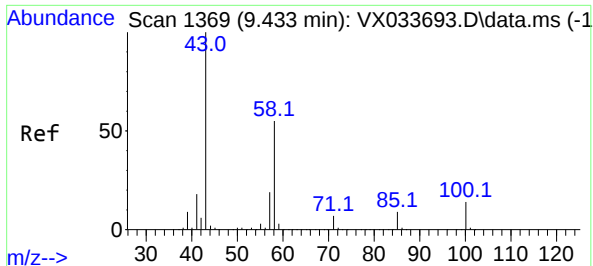
Lab File: VX033737.D

Acq: 13 Jan 2023 20:57

Tgt Ion: 76 Resp: 5241

Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.6	38.4#





#59

2-Hexanone

Concen: 60.924 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.048 min

Lab File: VX033737.D

Acq: 13 Jan 2023 20:57

Instrument :

MSVOA_X

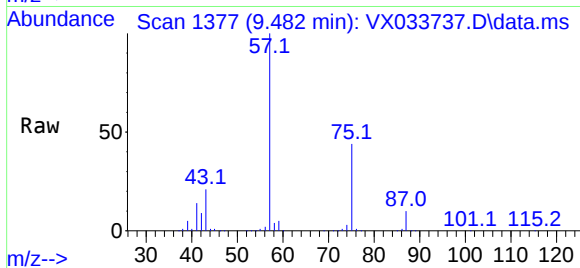
ClientSampleId :

Tgt Ion: 43 Resp: 71110

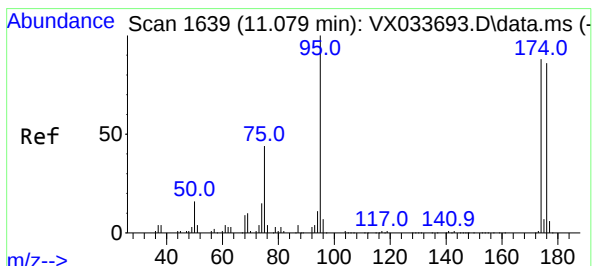
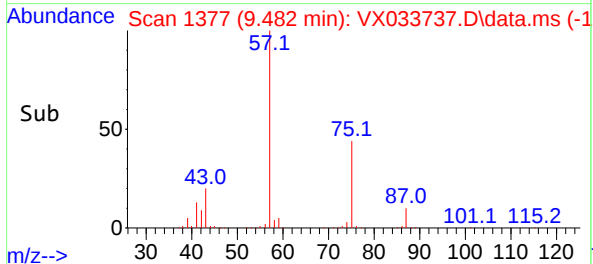
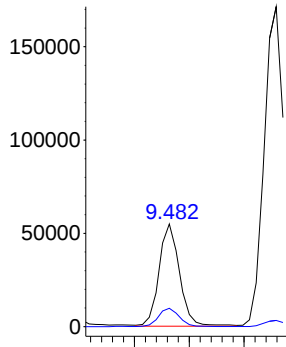
Ion Ratio Lower Upper

43 100

58 18.2 27.4 82.0#



Abundance



#62

4-Bromofluorobenzene

Concen: 67.541 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX033737.D

Acq: 13 Jan 2023 20:57

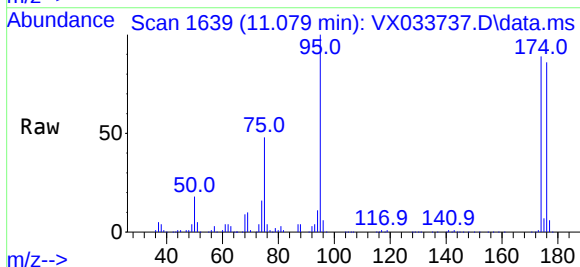
Tgt Ion: 95 Resp: 108281

Ion Ratio Lower Upper

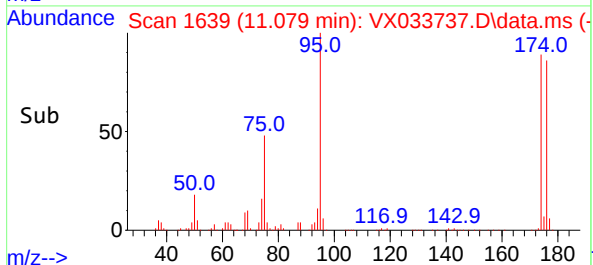
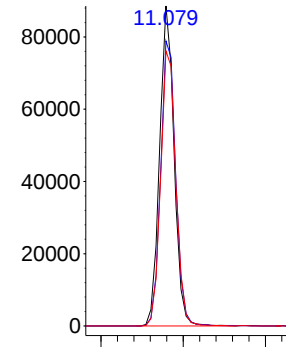
95 100

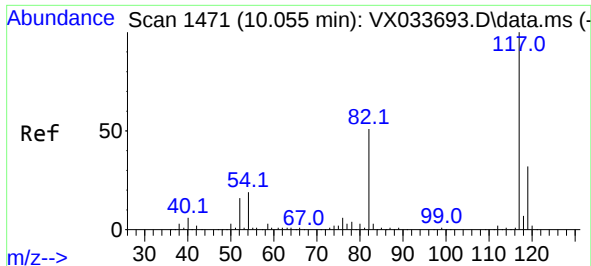
174 92.5 0.0 184.4

176 89.6 0.0 178.8



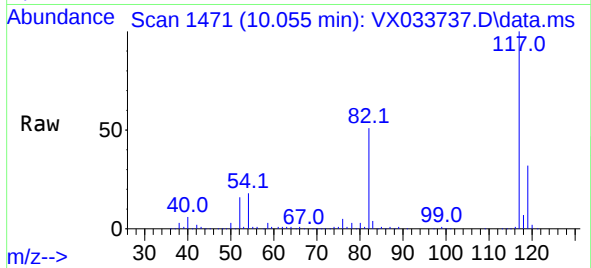
Abundance



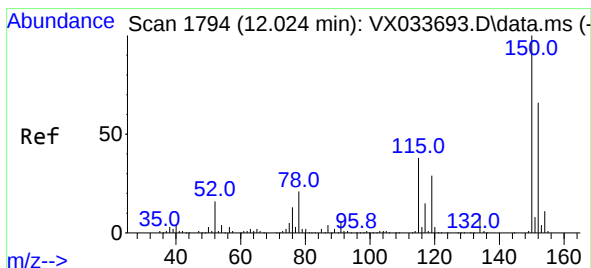
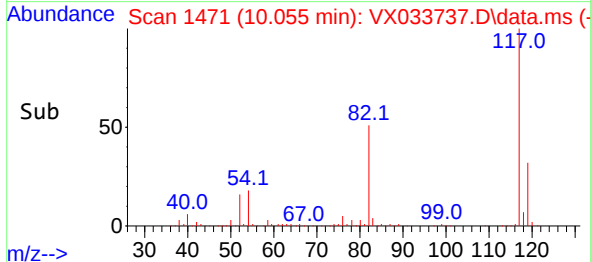
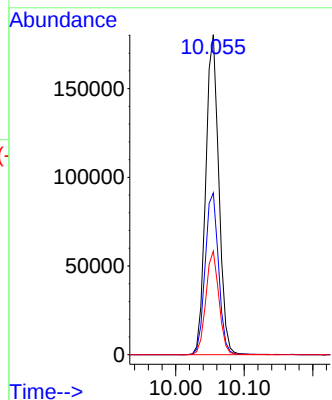


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

Instrument :
MSVOA_X
ClientSampleId :

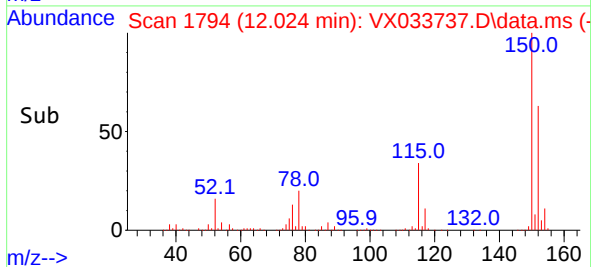
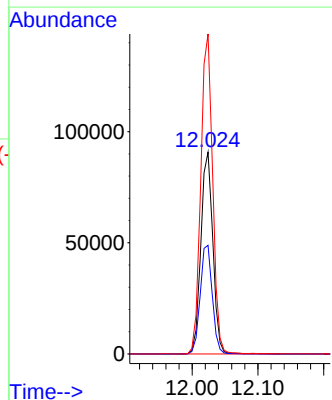
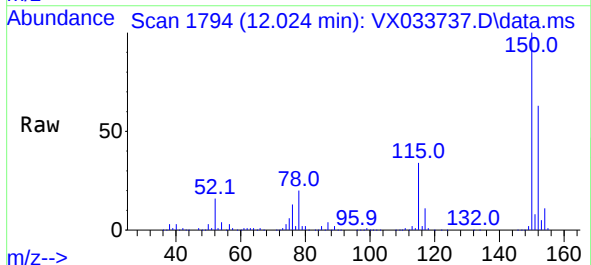


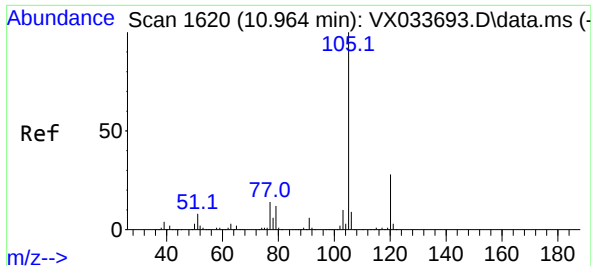
Tgt Ion:117 Resp: 240509
Ion Ratio Lower Upper
117 100
82 50.6 40.6 60.8
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

Tgt Ion:152 Resp: 114920
Ion Ratio Lower Upper
152 100
115 54.3 38.7 116.1
150 157.1 0.0 348.2

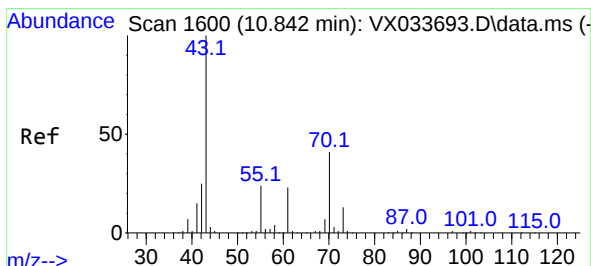
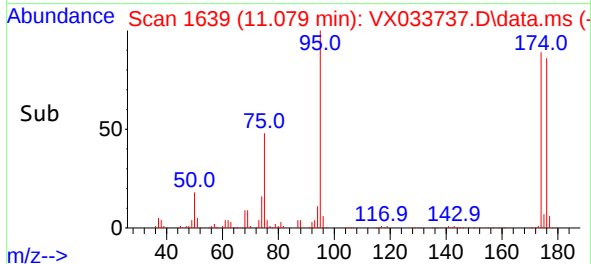
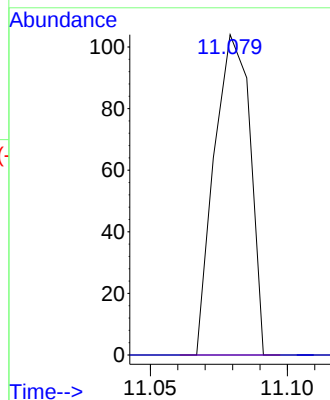
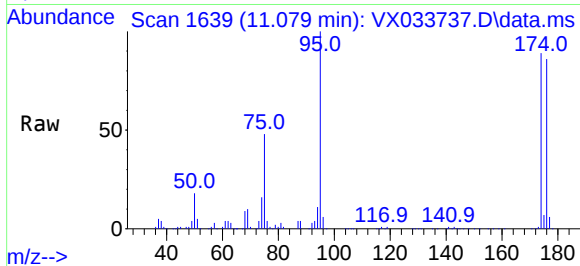




#73
Isopropylbenzene
Concen: Below Cal
RT: 11.079 min Scan# 1
Delta R.T. 0.115 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

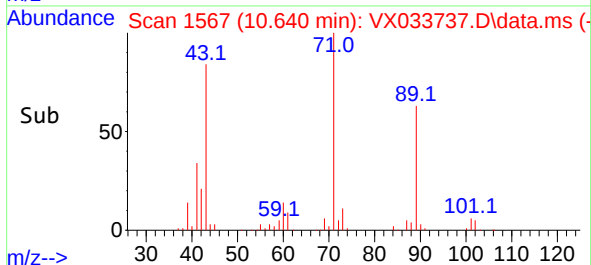
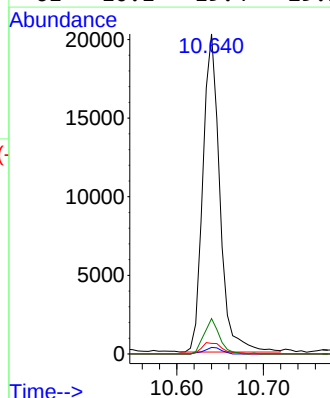
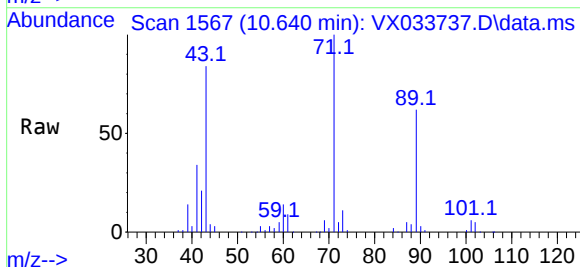
Instrument :
MSVOA_X
ClientSampleId :

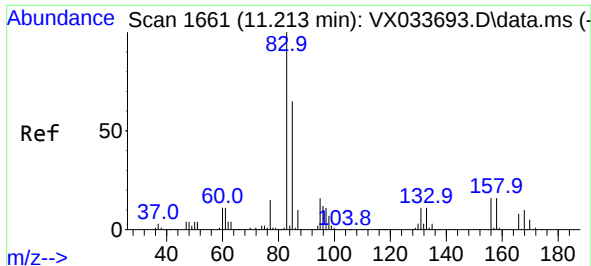
Tgt Ion:105 Resp: 94
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



#74
N-ethyl acetate
Concen: 9.123 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

Tgt Ion: 43 Resp: 27530
Ion Ratio Lower Upper
43 100
70 2.1 34.8 52.2#
55 4.3 19.4 29.0#
61 10.1 19.4 29.2#

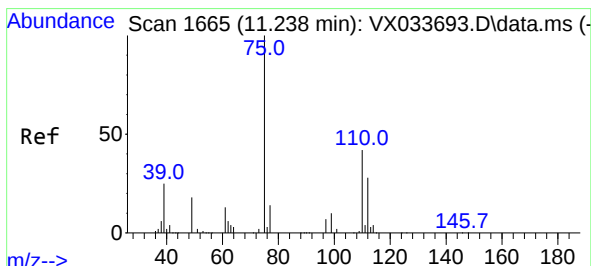
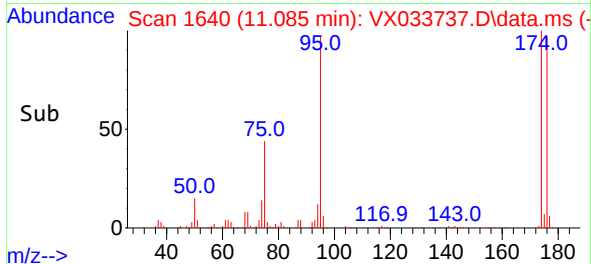
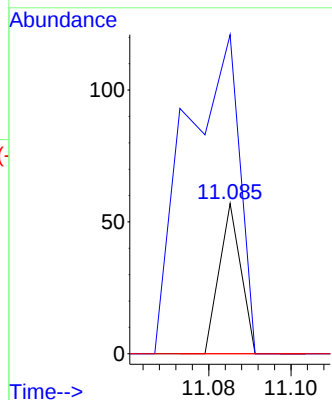
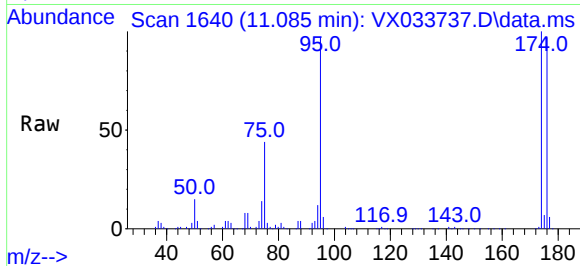




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.085 min Scan# 1639
Delta R.T. -0.128 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

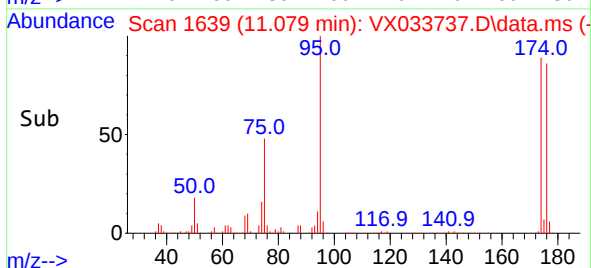
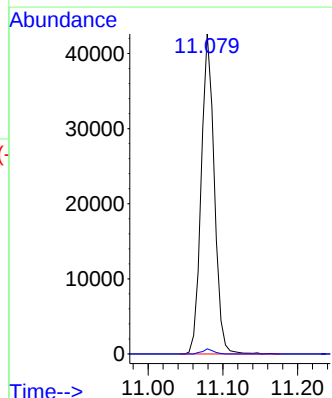
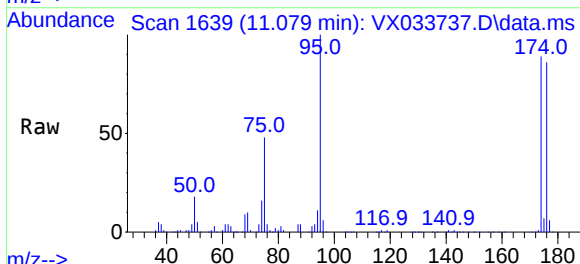
Instrument :
MSVOA_X
ClientSampleId :

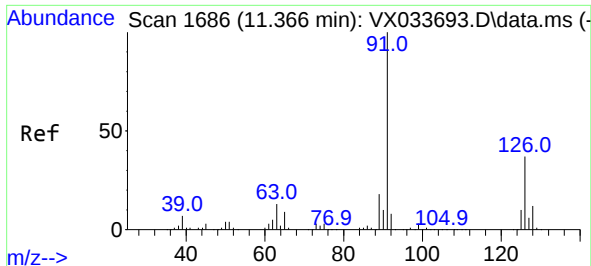
Tgt Ion: 83 Resp: 21
Ion Ratio Lower Upper
83 100
131 519.0 5.5 16.7#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 24.505 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033737.D
Acq: 13 Jan 2023 20:57

Tgt Ion: 75 Resp: 51741
Ion Ratio Lower Upper
75 100
77 1.4 21.8 65.4#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.457 min Scan# 11

Delta R.T. 0.091 min

Lab File: VX033737.D

Acq: 13 Jan 2023 20:57

Instrument :

MSVOA_X

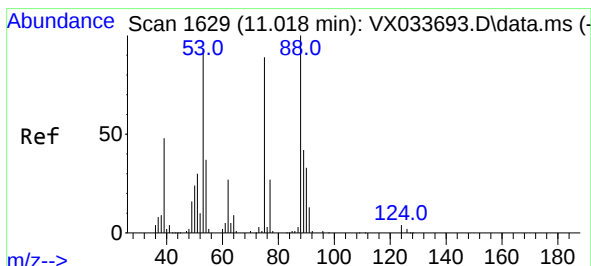
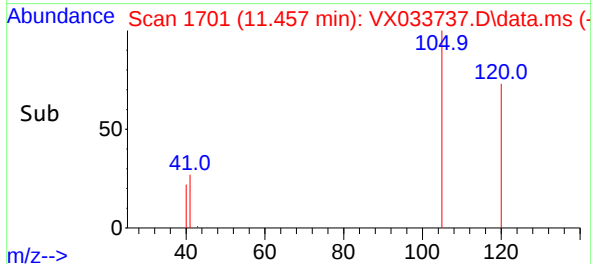
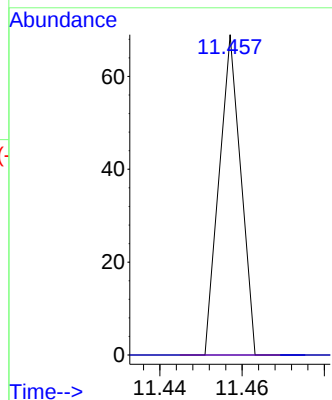
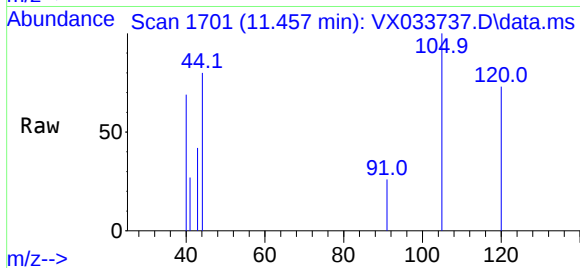
ClientSampleId :

Tgt Ion: 91 Resp: 25

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.157 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033737.D

Acq: 13 Jan 2023 20:57

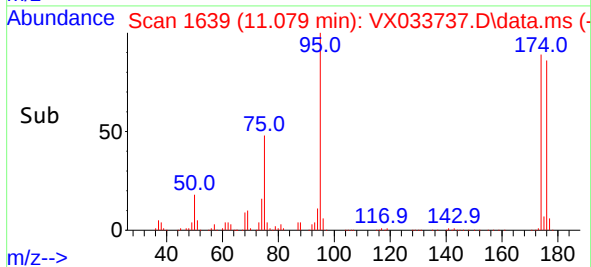
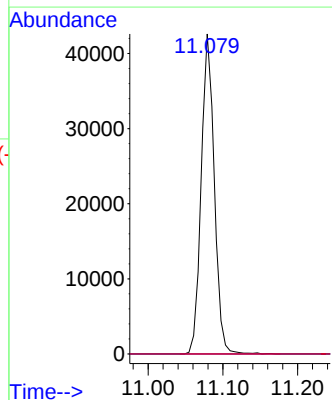
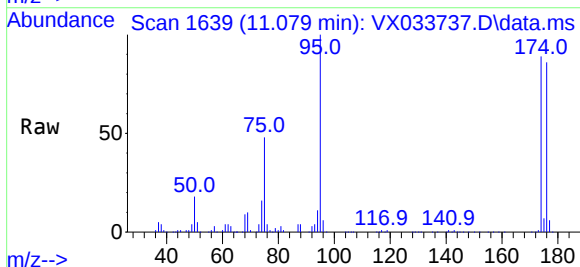
Tgt Ion: 75 Resp: 51741

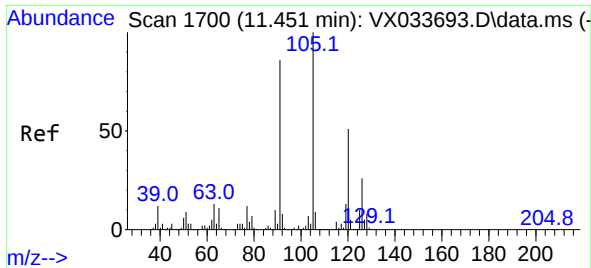
Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

89 0.0 37.7 56.5#





#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.457 min Scan# 11

Delta R.T. 0.006 min

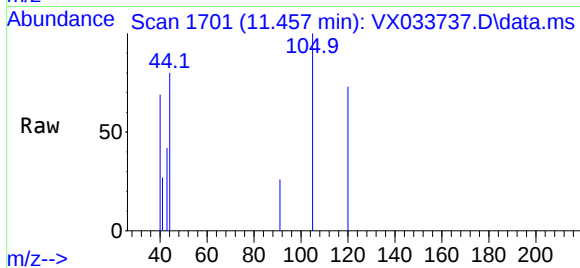
Lab File: VX033737.D

Acq: 13 Jan 2023 20:57

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 91 Resp: 25

Ion Ratio Lower Upper

91 100

126 0.0 15.8 47.4#

