

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043570.D
 Acq On : 28 Oct 2024 18:01
 Operator : JC/MD
 Sample : PB164394ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 29 03:27:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

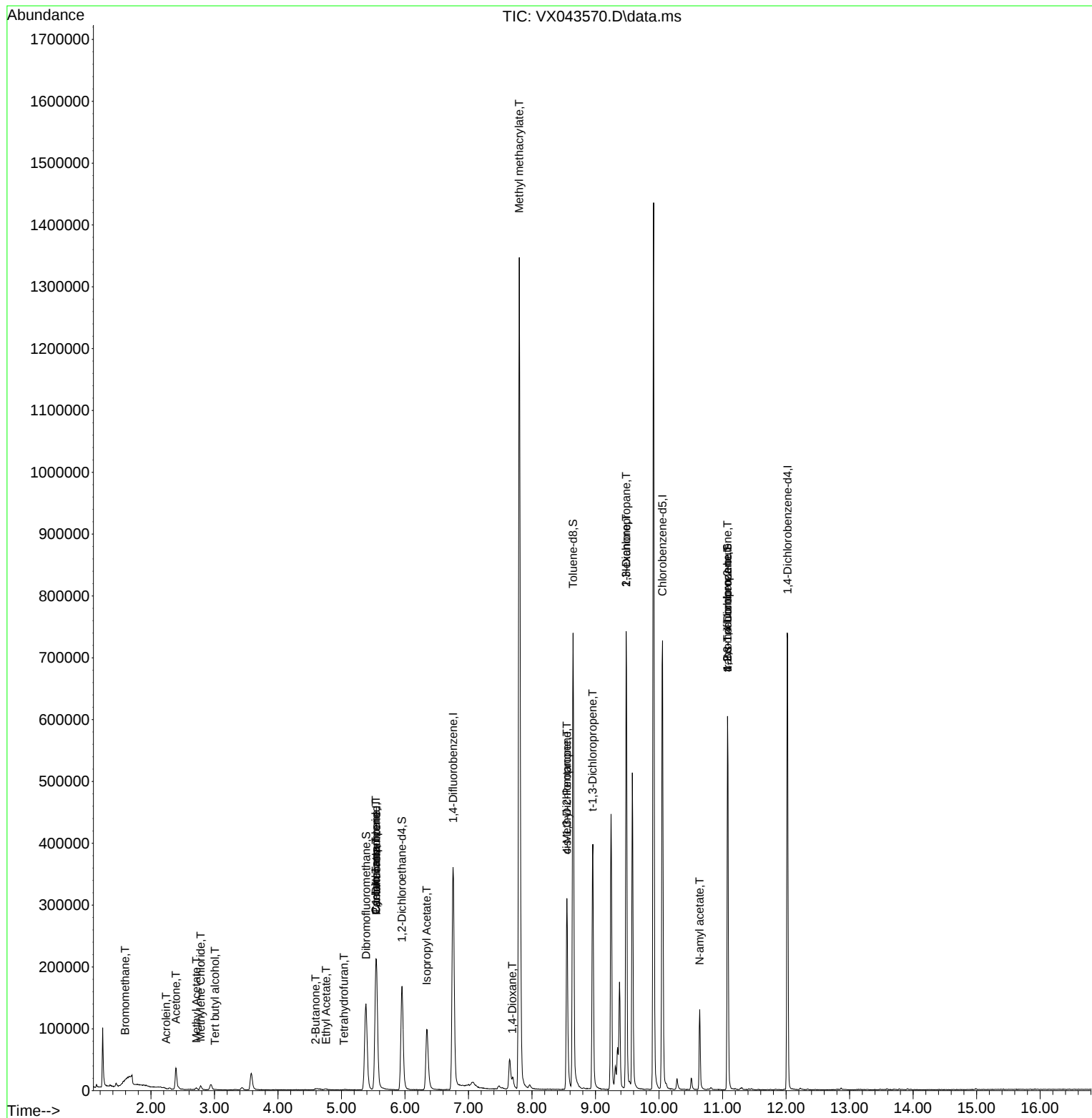
Internal Standards						
1) Pentafluorobenzene	5.550	168	211615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	393848	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	345503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	159021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	161991	48.008	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.020%		
35) Dibromofluoromethane	5.385	113	125163	46.866	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.740%		
50) Toluene-d8	8.647	98	458033	49.545	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.080%		
62) 4-Bromofluorobenzene	11.079	95	168261	49.117	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.240%		
Target Compounds					Qvalue	
5) Bromomethane	1.593	94	249	0.227	ug/l	95
11) Tert butyl alcohol	3.008	59	349	0.554	ug/l #	100
13) Acrolein	2.239	56	132	0.268	ug/l #	1
16) Acetone	2.392	43	44921	33.525	ug/l	97
18) Methyl Acetate	2.715	43	3876	0.990	ug/l	98
20) Methylene Chloride	2.782	84	3429	1.187	ug/l #	78
25) 2-Butanone	4.593	43	1804	0.923	ug/l	97
29) Tetrahydrofuran	5.038	42	493	0.388	ug/l #	65
31) Cyclohexane	5.544	56	4195	1.178	ug/l #	37
36) 1,1-Dichloropropene	5.544	75	16227	5.124	ug/l #	49
37) Ethyl Acetate	4.757	43	2040	0.531	ug/l #	86
38) Carbon Tetrachloride	5.544	117	22757	6.504	ug/l #	16
43) Isopropyl Acetate	6.342	43	148542	23.363	ug/l	100
48) Methyl methacrylate	7.799	41	120570	39.997	ug/l #	41
49) 1,4-Dioxane	7.690	88	53	0.856	ug/l #	25
51) 4-Methyl-2-Pentanone	8.549	43	114939	29.660	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	1050	0.278	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	55734	13.861	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	7128	1.607	ug/l #	42
59) 2-Hexanone	9.482	43	92549	31.445	ug/l #	52
74) N-amyl acetate	10.640	43	30972	5.644	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	84438	24.834	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	84438	68.319	ug/l #	7

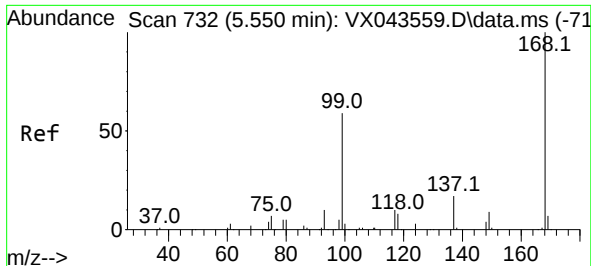
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

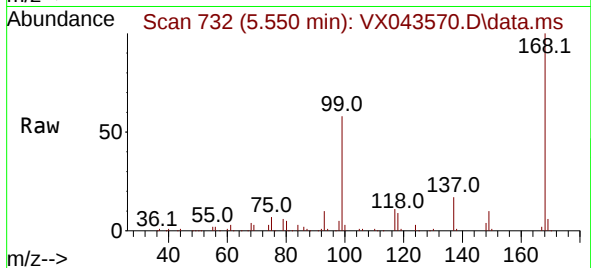
Quant Time: Oct 29 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
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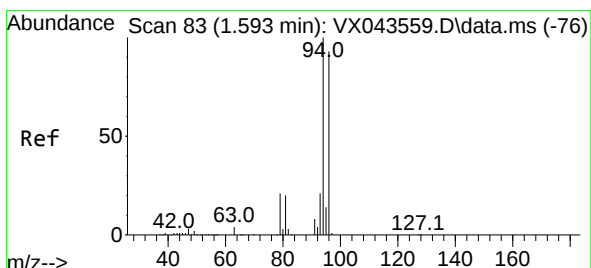
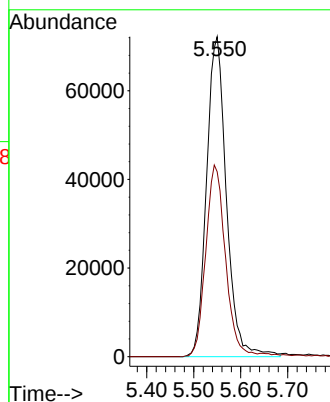
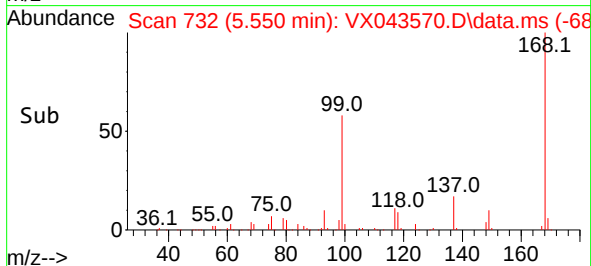


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043570.D
Acq: 28 Oct 2024 18:01

Instrument :
MSVOA_X
ClientSampleId :

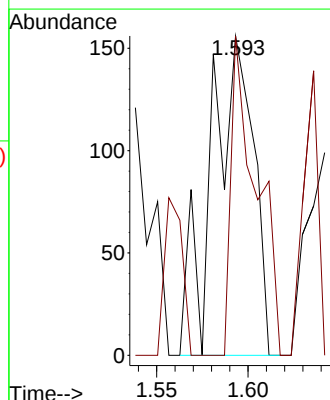
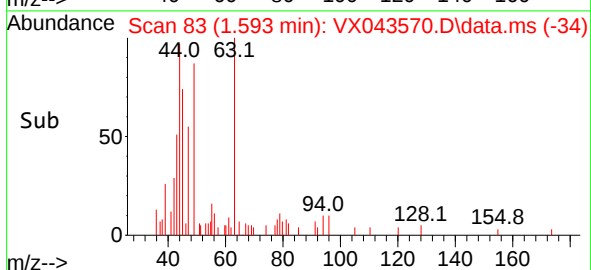
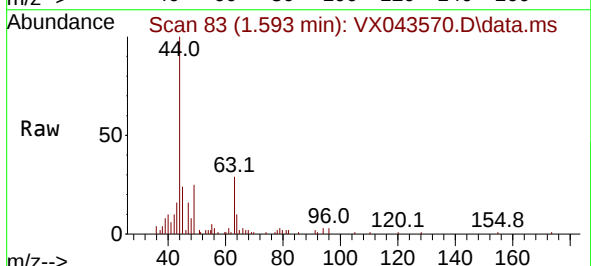


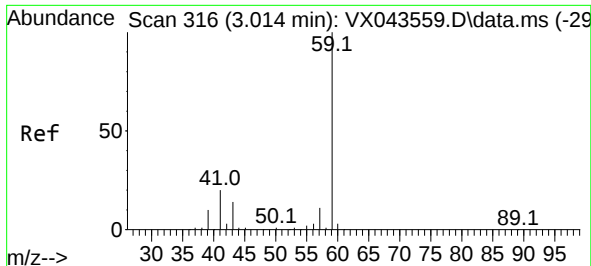
Tgt Ion:168 Resp: 211615
Ion Ratio Lower Upper
168 100
99 57.8 52.6 78.8



#5
Bromomethane
Concen: 0.227 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043570.D
Acq: 28 Oct 2024 18:01

Tgt Ion: 94 Resp: 249
Ion Ratio Lower Upper
94 100
96 100.0 75.9 113.9





#11

Tert butyl alcohol

Concen: 0.554 ug/l

RT: 3.008 min Scan# 316

Delta R.T. -0.042 min

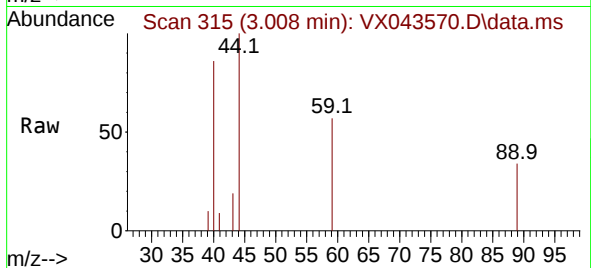
Lab File: VX043570.D

Acq: 28 Oct 2024 18:01

Instrument :

MSVOA_X

ClientSampleId :

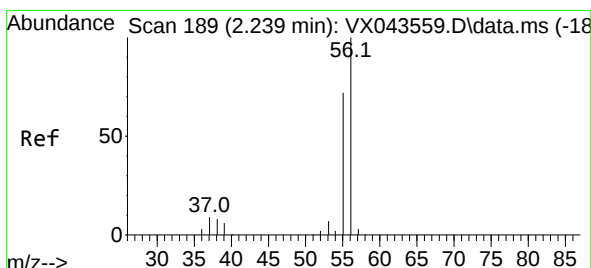
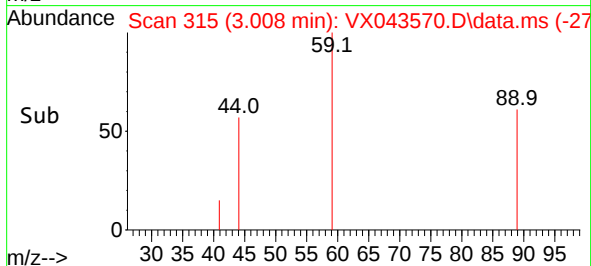
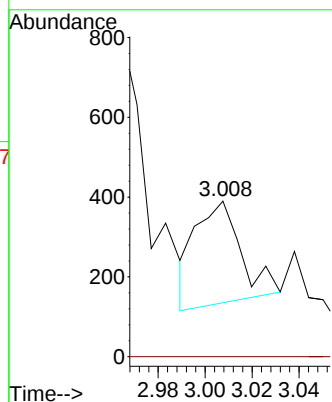


Tgt Ion: 59 Resp: 349

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



#13

Acrolein

Concen: 0.268 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX043570.D

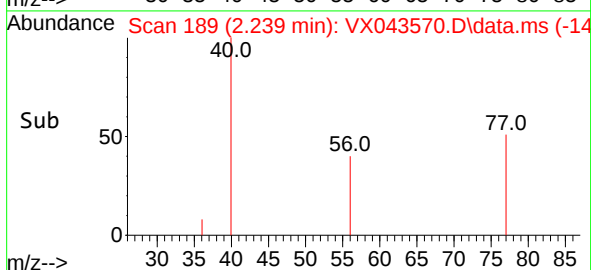
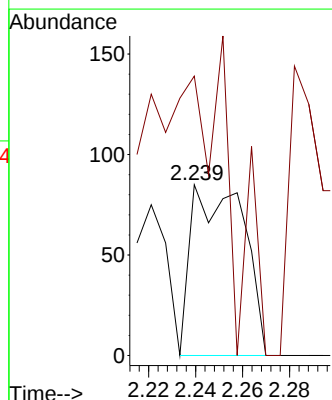
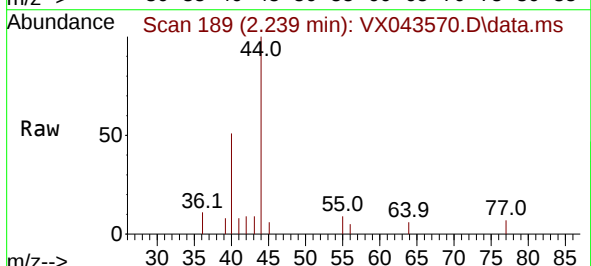
Acq: 28 Oct 2024 18:01

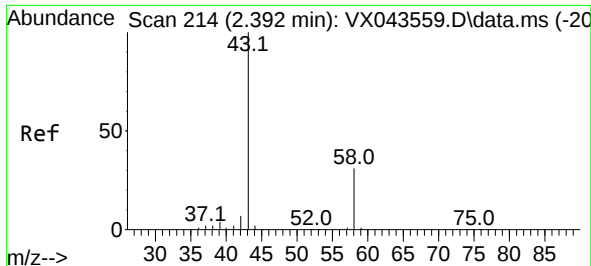
Tgt Ion: 56 Resp: 132

Ion Ratio Lower Upper

56 100

55 238.6 55.3 82.9#

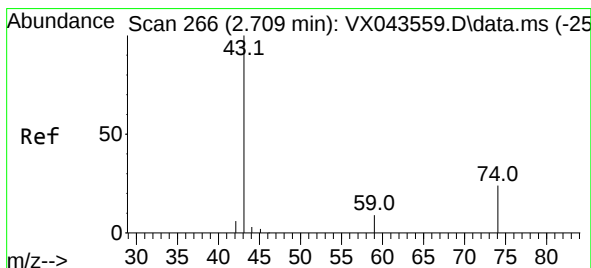
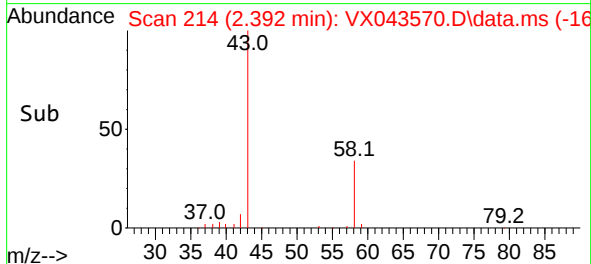
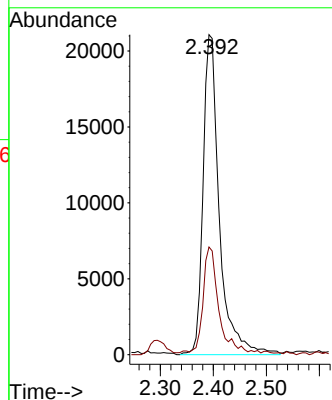
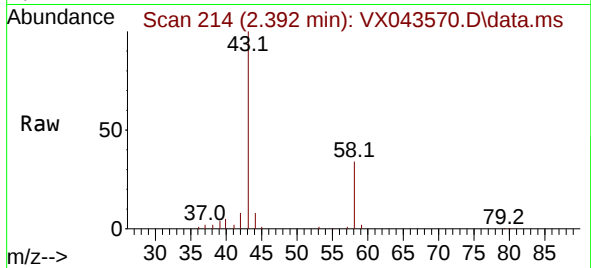




#16
Acetone
Concen: 33.525 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043570.D
Acq: 28 Oct 2024 18:01

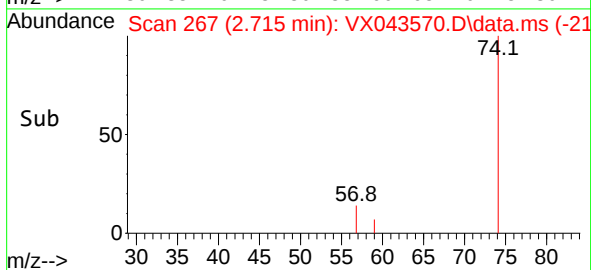
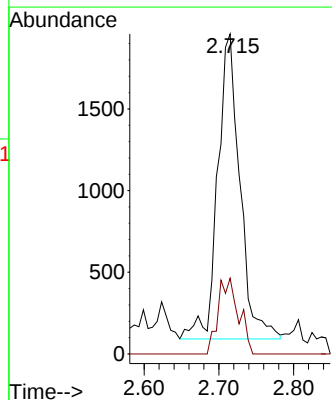
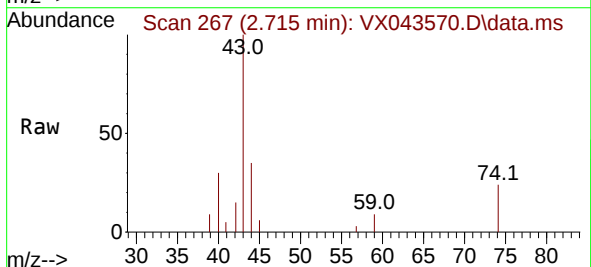
Instrument :
MSVOA_X
ClientSampleId :

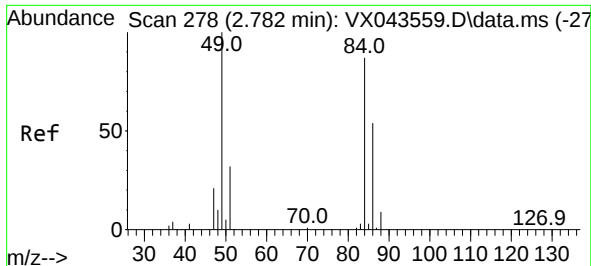
Tgt Ion: 43 Resp: 44921
Ion Ratio Lower Upper
43 100
58 33.0 25.1 37.7



#18
Methyl Acetate
Concen: 0.990 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX043570.D
Acq: 28 Oct 2024 18:01

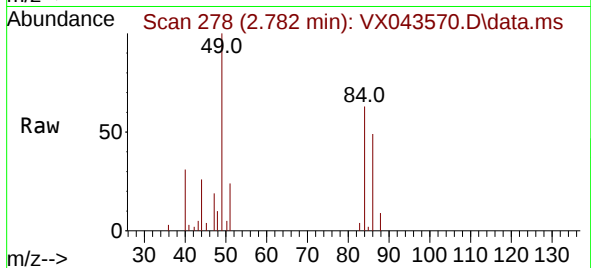
Tgt Ion: 43 Resp: 3876
Ion Ratio Lower Upper
43 100
74 22.8 19.1 28.7



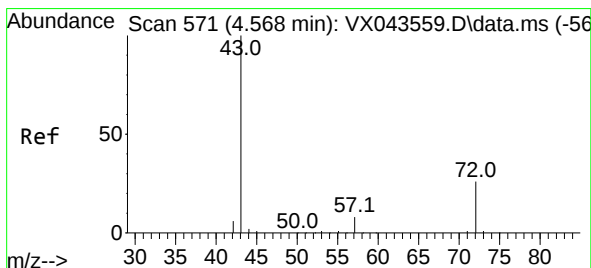
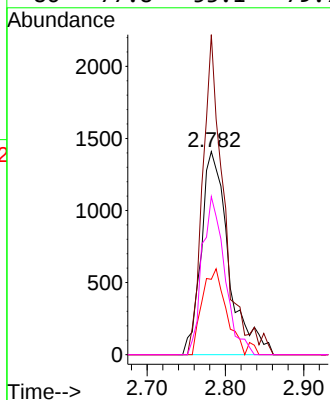
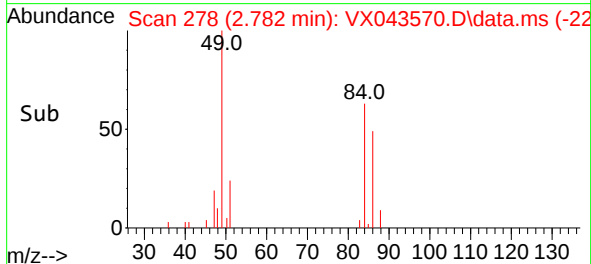


#20
Methylene Chloride
Concen: 1.187 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043570.D
Acq: 28 Oct 2024 18:01

Instrument :
MSVOA_X
ClientSampleId :

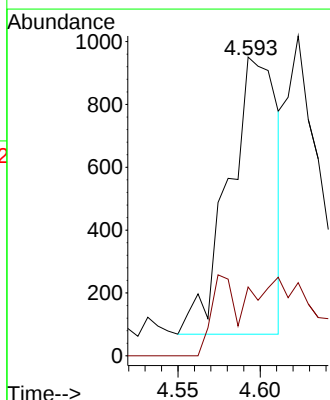
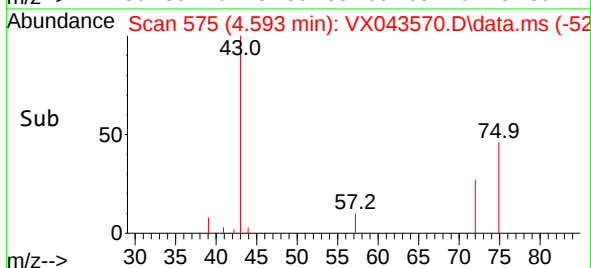
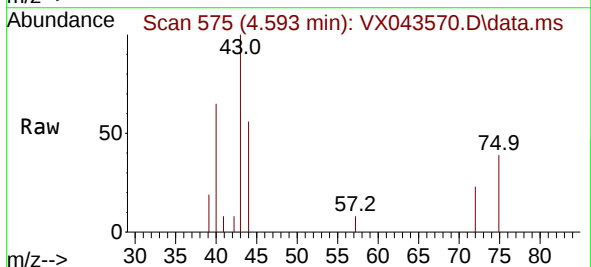


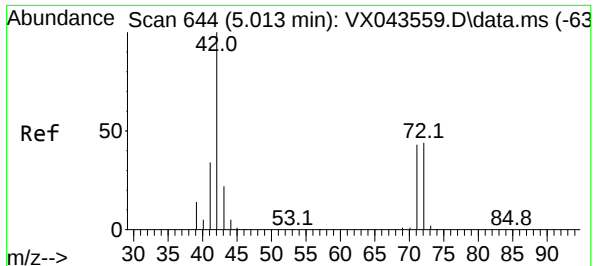
Tgt Ion:	84	Resp:	3429
Ion	Ratio	Lower	Upper
84	100		
49	157.7	97.0	145.6#
51	37.1	29.8	44.8
86	77.8	53.1	79.7



#25
2-Butanone
Concen: 0.923 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.025 min
Lab File: VX043570.D
Acq: 28 Oct 2024 18:01

Tgt Ion:	43	Resp:	1804
Ion	Ratio	Lower	Upper
43	100		
72	24.8	21.1	31.7





#29

Tetrahydrofuran

Concen: 0.388 ug/l

RT: 5.038 min Scan# 644

Delta R.T. 0.024 min

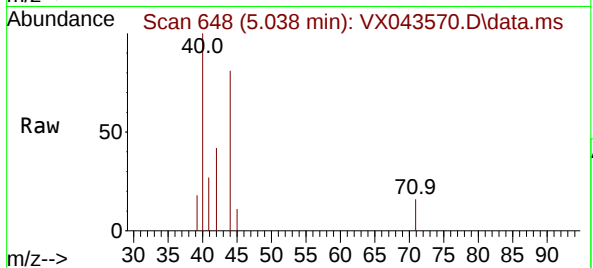
Lab File: VX043570.D

Acq: 28 Oct 2024 18:01

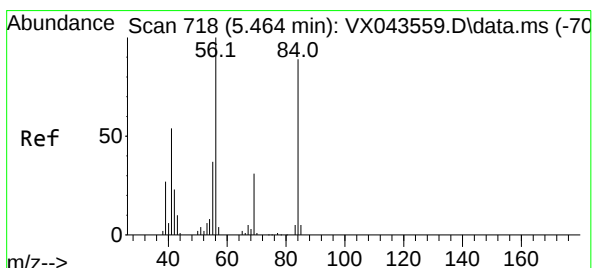
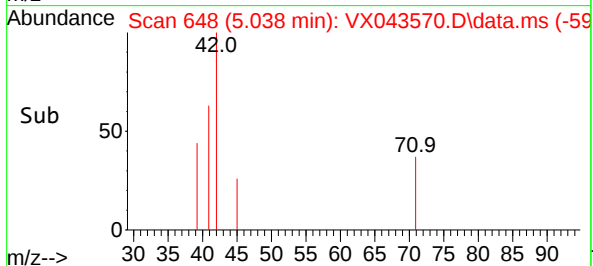
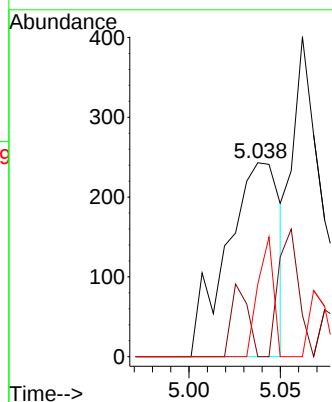
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	493
Ion	Ratio	Lower	Upper
42	100		
72	24.9	36.6	55.0#
71	17.8	34.2	51.4#



#31

Cyclohexane

Concen: 1.178 ug/l

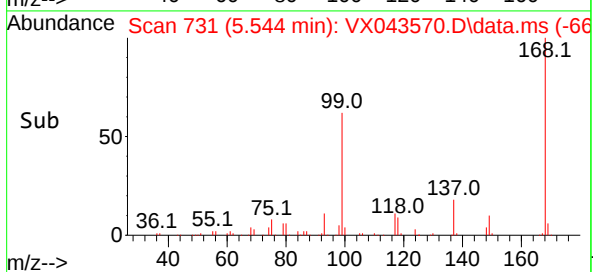
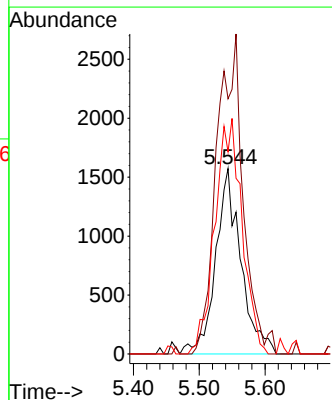
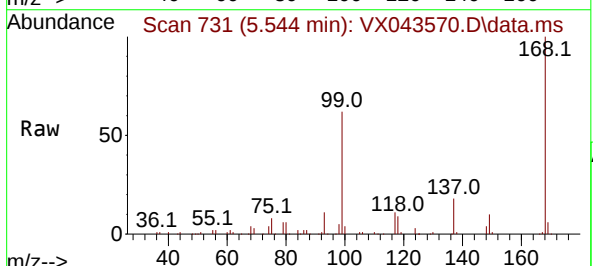
RT: 5.544 min Scan# 731

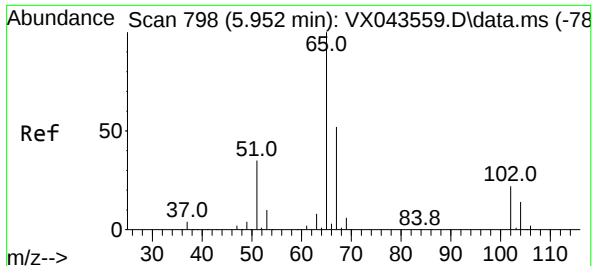
Delta R.T. 0.085 min

Lab File: VX043570.D

Acq: 28 Oct 2024 18:01

Tgt Ion:	56	Resp:	4195
Ion	Ratio	Lower	Upper
56	100		
69	137.6	24.9	37.3#
84	109.0	73.3	109.9





#33

1,2-Dichloroethane-d4

Concen: 48.008 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043570.D

Acq: 28 Oct 2024 18:01

Instrument :

MSVOA_X

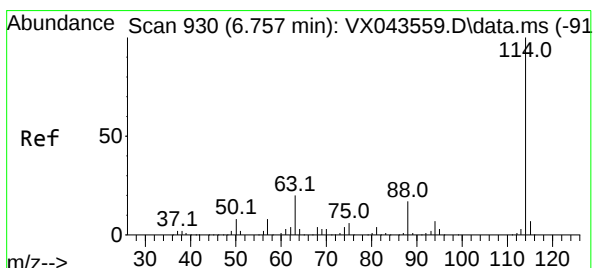
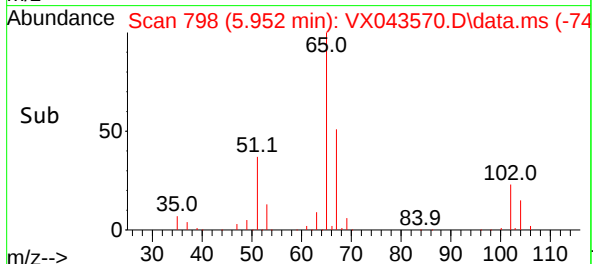
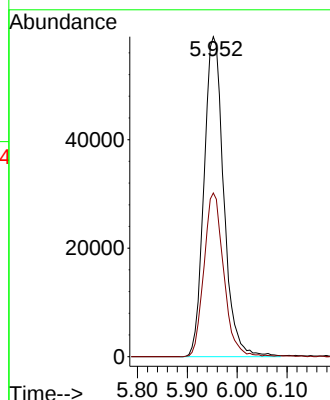
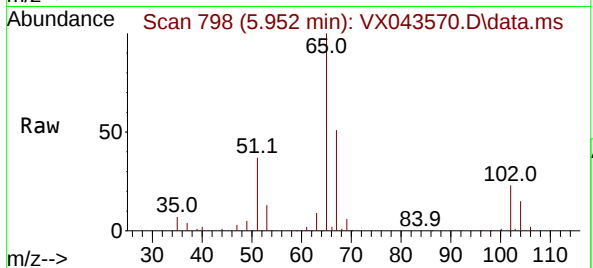
ClientSampleId :

Tgt Ion: 65 Resp: 161991

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043570.D

Acq: 28 Oct 2024 18:01

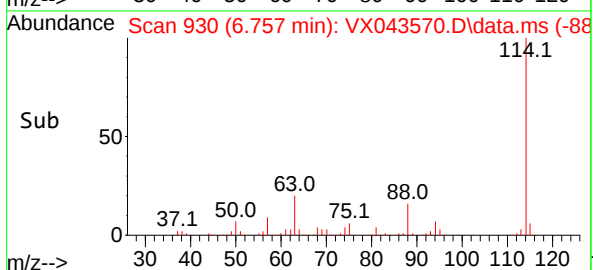
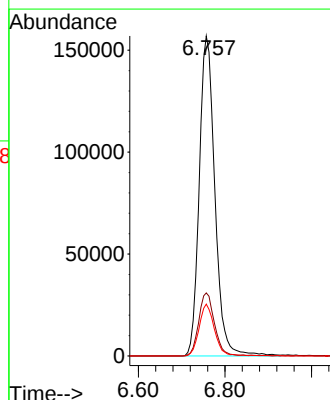
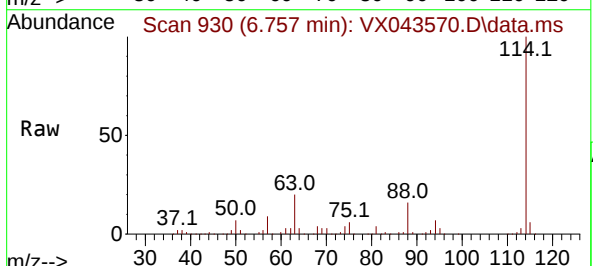
Tgt Ion: 114 Resp: 393848

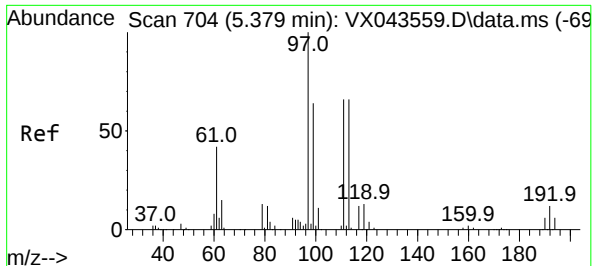
Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.2

88 16.2 0.0 34.0

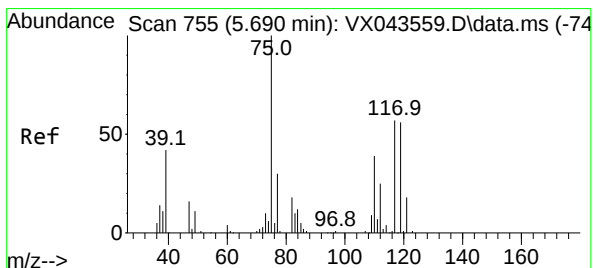
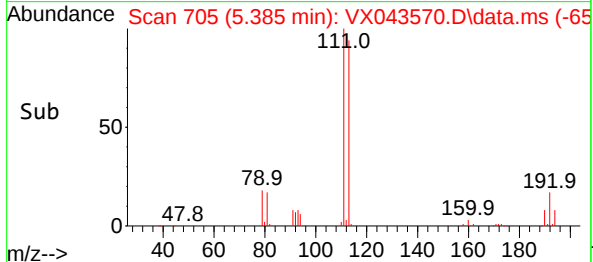
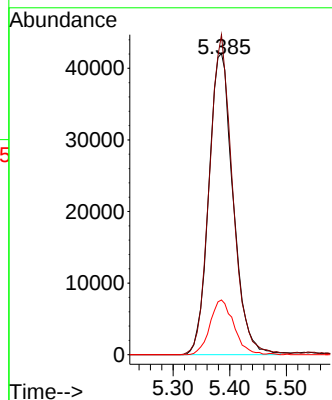
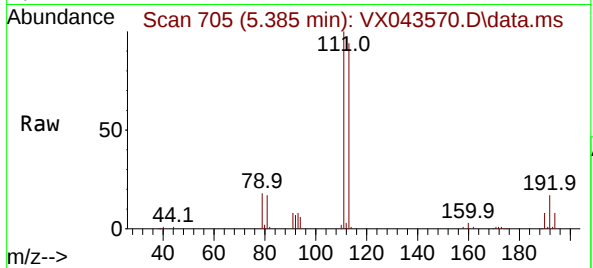




#35
Dibromofluoromethane
Concen: 46.866 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043570.D
Acq: 28 Oct 2024 18:01

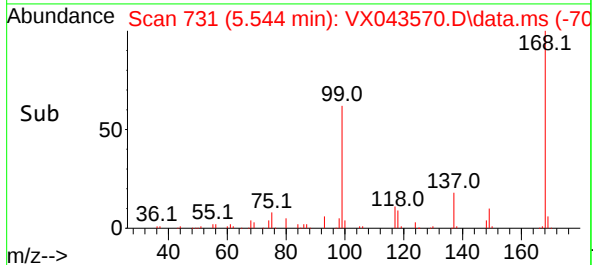
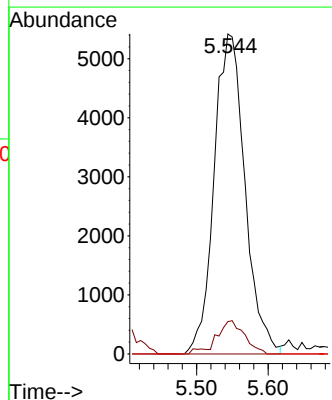
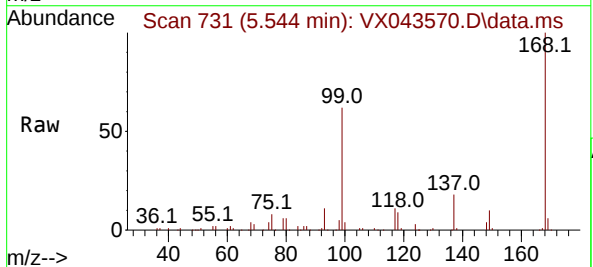
Instrument :
MSVOA_X
ClientSampleId :

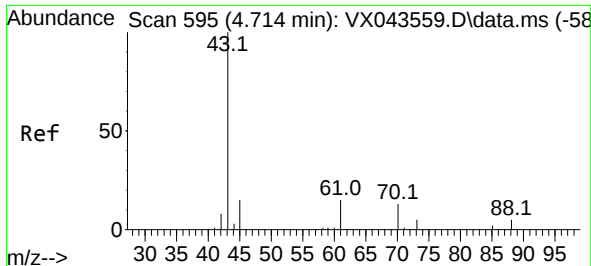
Tgt Ion:113 Resp: 125163
Ion Ratio Lower Upper
113 100
111 101.5 81.4 122.0
192 17.8 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.124 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX043570.D
Acq: 28 Oct 2024 18:01

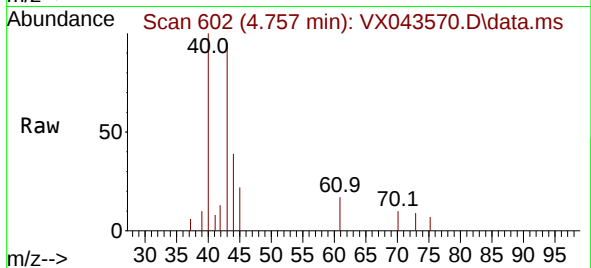
Tgt Ion: 75 Resp: 16227
Ion Ratio Lower Upper
75 100
110 8.7 17.9 53.7#
77 0.0 25.0 37.4#



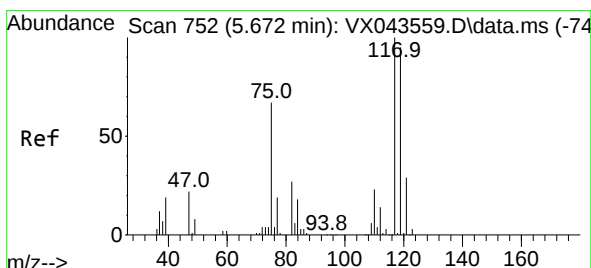
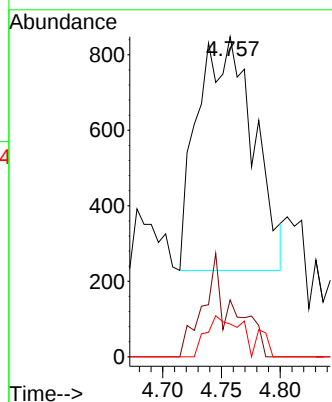
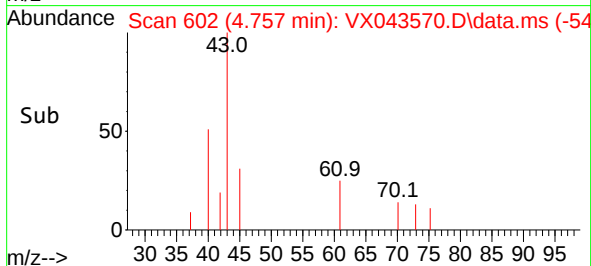


#37
Ethyl Acetate
Concen: 0.531 ug/l
RT: 4.757 min Scan# 601
Delta R.T. 0.037 min
Lab File: VX043570.D
Acq: 28 Oct 2024 18:01

Instrument :
MSVOA_X
ClientSampleId :

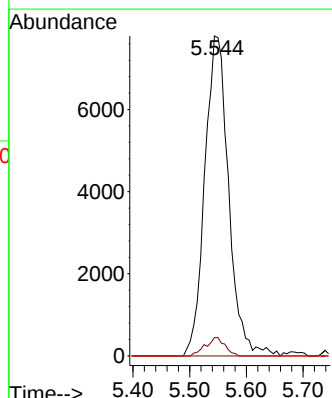
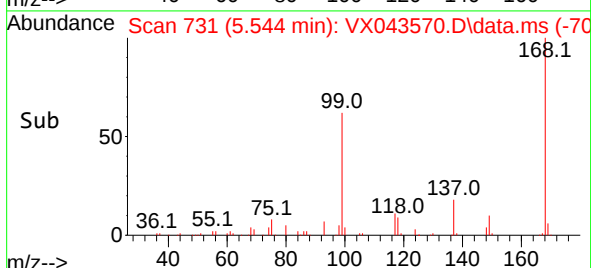
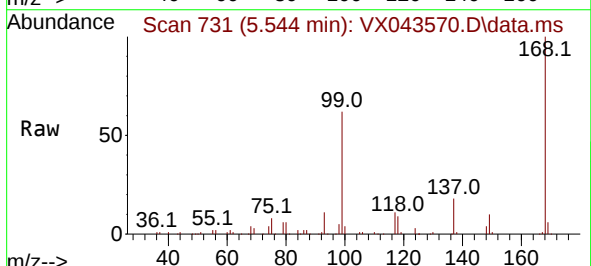


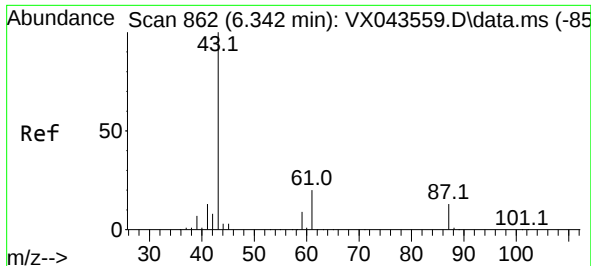
Tgt Ion: 43 Resp: 2040
Ion Ratio Lower Upper
43 100
61 23.7 11.0 16.6#
70 10.5 8.9 13.3



#38
Carbon Tetrachloride
Concen: 6.504 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX043570.D
Acq: 28 Oct 2024 18:01

Tgt Ion: 117 Resp: 22757
Ion Ratio Lower Upper
117 100
119 5.7 77.0 115.6#
121 0.0 24.7 37.1#

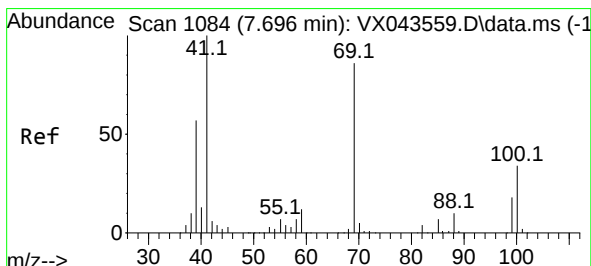
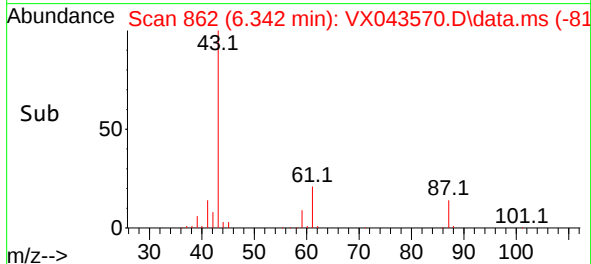
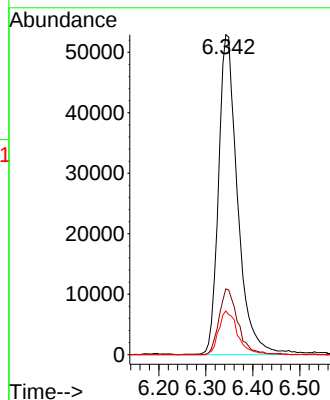
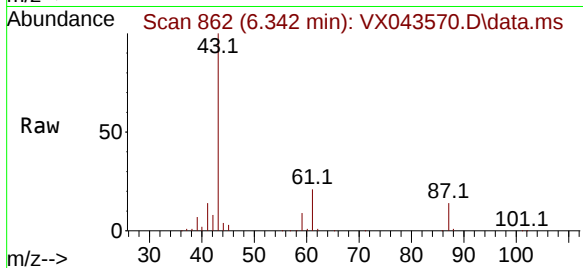




#43
Isopropyl Acetate
Concen: 23.363 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX043570.D
Acq: 28 Oct 2024 18:01

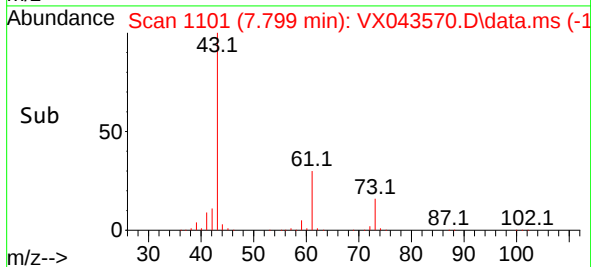
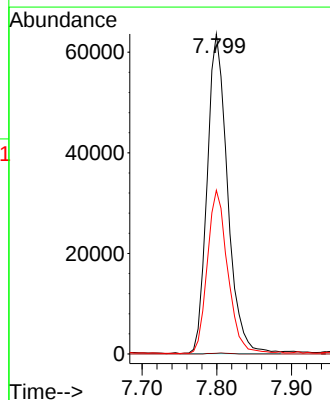
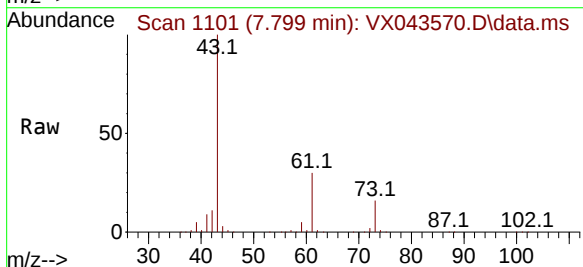
Instrument :
MSVOA_X
ClientSampleId :

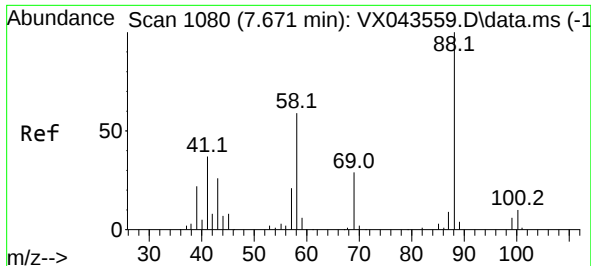
Tgt Ion: 43 Resp: 148542
Ion Ratio Lower Upper
43 100
61 20.4 16.2 24.4
87 13.7 11.0 16.6



#48
Methyl methacrylate
Concen: 39.997 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043570.D
Acq: 28 Oct 2024 18:01

Tgt Ion: 41 Resp: 120570
Ion Ratio Lower Upper
41 100
69 0.2 67.7 101.5#
39 51.1 46.3 69.5





#49

1,4-Dioxane

Concen: 0.856 ug/l

RT: 7.690 min Scan# 1

Delta R.T. 0.018 min

Lab File: VX043570.D

Acq: 28 Oct 2024 18:01

Instrument :

MSVOA_X

ClientSampleId :

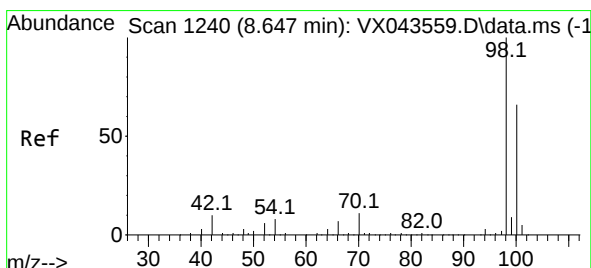
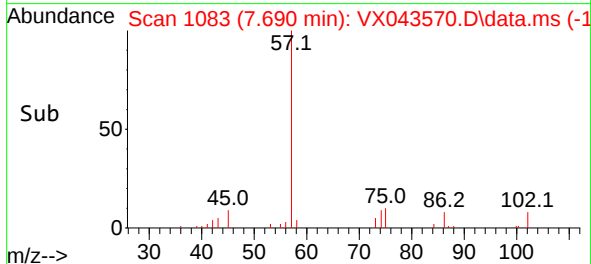
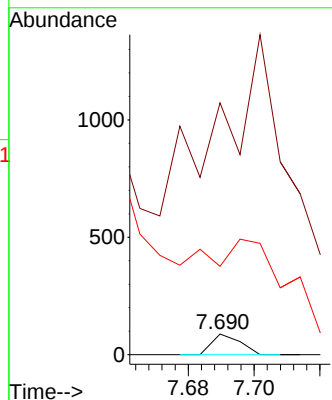
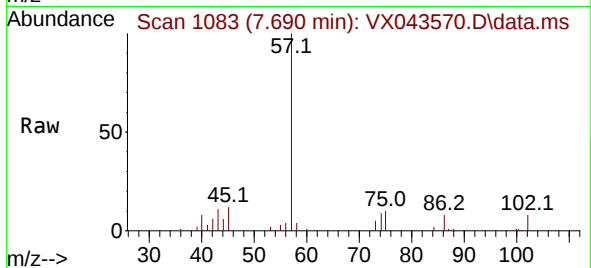
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 0.0 25.3 37.9#

58 0.0 53.9 80.9#



#50

Toluene-d8

Concen: 49.545 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043570.D

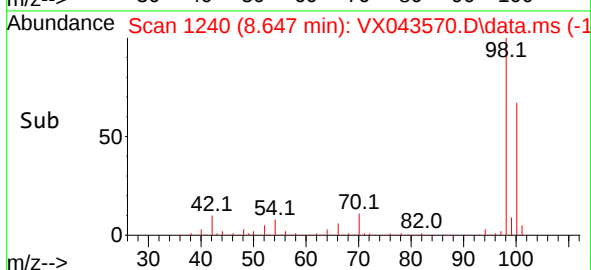
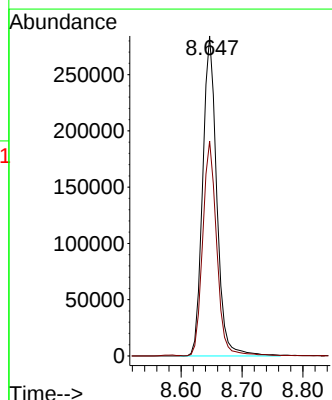
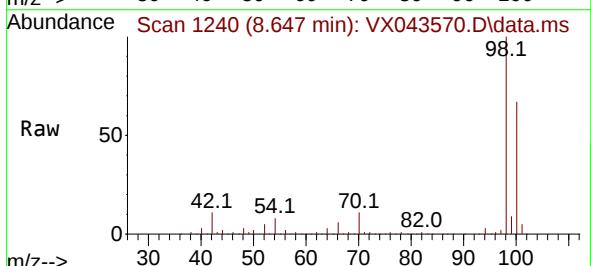
Acq: 28 Oct 2024 18:01

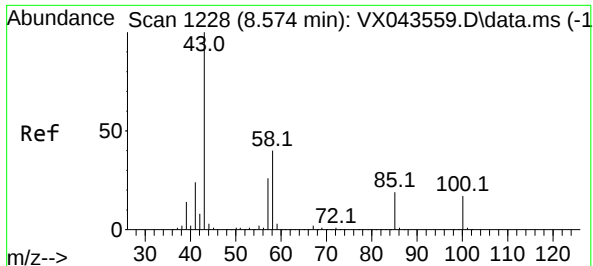
Tgt Ion: 98 Resp: 458033

Ion Ratio Lower Upper

98 100

100 66.8 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 29.660 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX043570.D

Acq: 28 Oct 2024 18:01

Instrument :

MSVOA_X

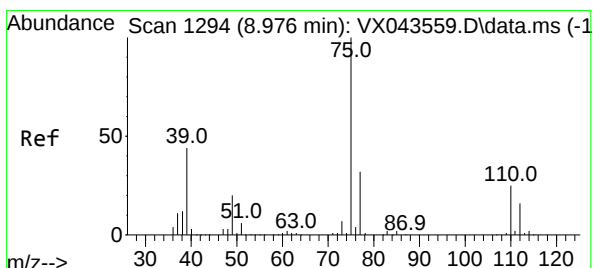
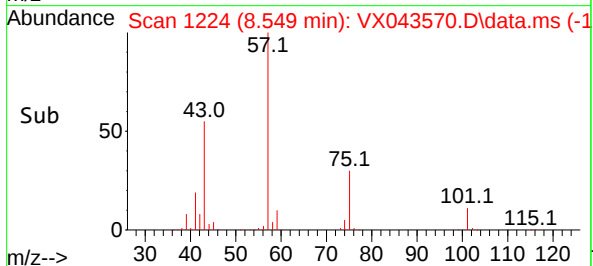
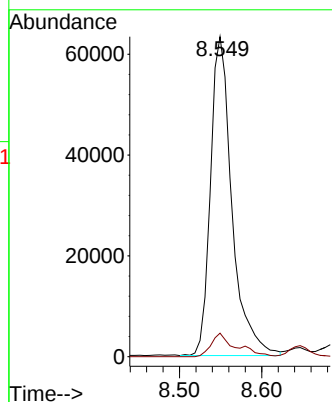
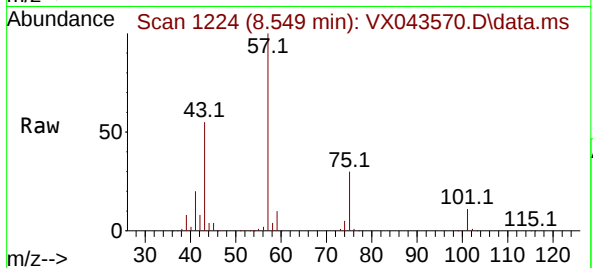
ClientSampleId :

Tgt Ion: 43 Resp: 114939

Ion Ratio Lower Upper

43 100

58 8.5 31.7 47.5#



#53

t-1,3-Dichloropropene

Concen: 0.278 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX043570.D

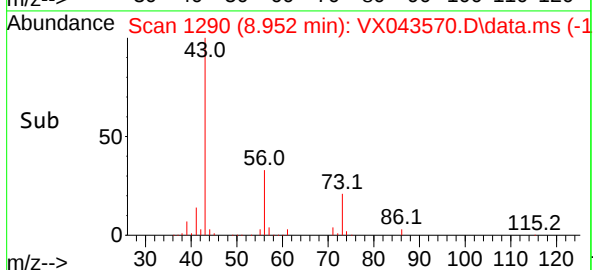
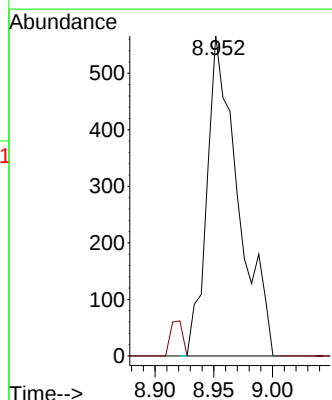
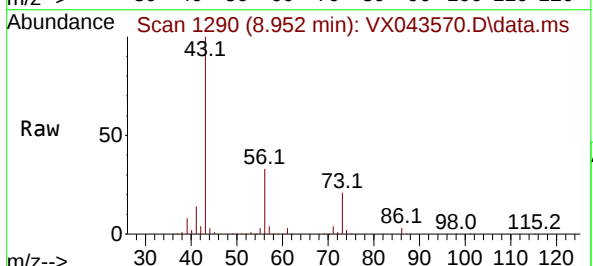
Acq: 28 Oct 2024 18:01

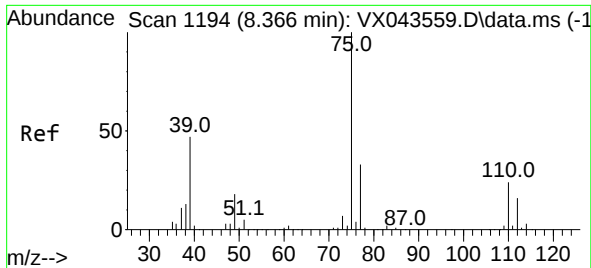
Tgt Ion: 75 Resp: 1050

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#

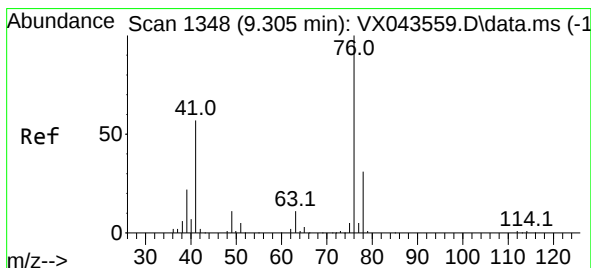
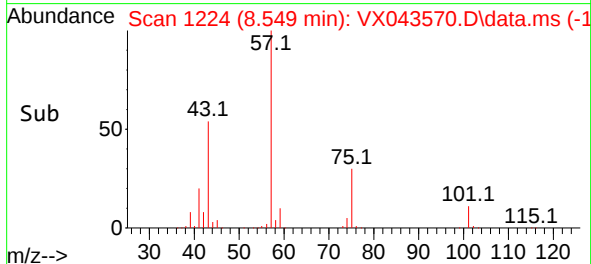
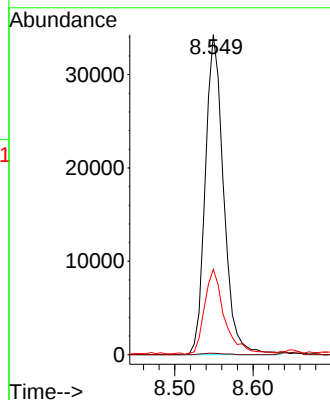
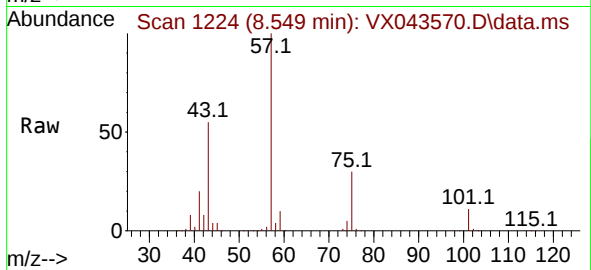




#54
 cis-1,3-Dichloropropene
 Concen: 13.861 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043570.D
 Acq: 28 Oct 2024 18:01

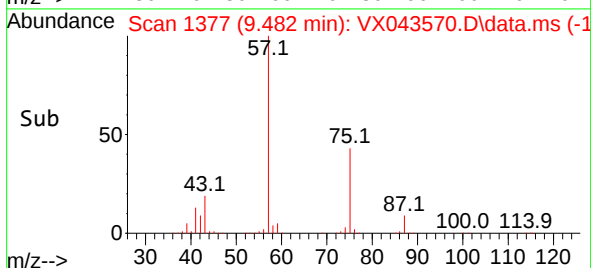
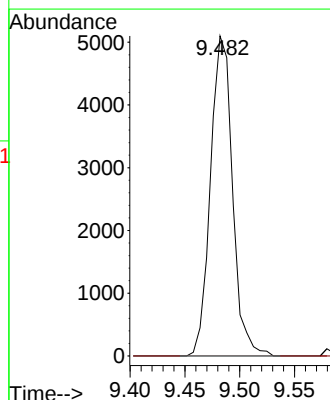
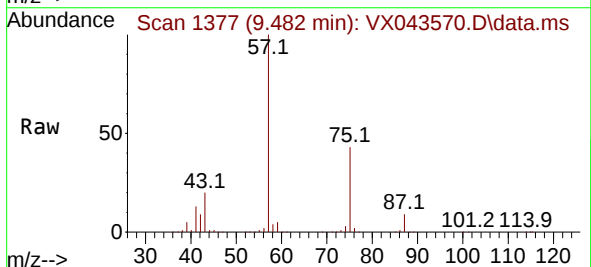
Instrument :
 MSVOA_X
 ClientSampleId :

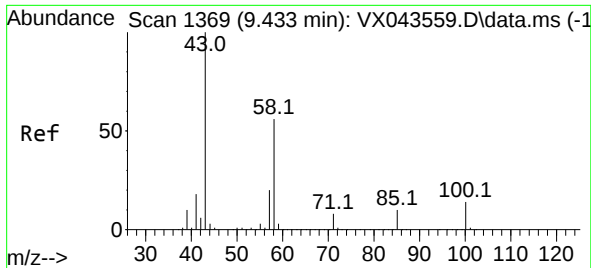
Tgt Ion: 75 Resp: 55734
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 26.1 37.7 56.5#



#57
 1,3-Dichloropropane
 Concen: 1.607 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX043570.D
 Acq: 28 Oct 2024 18:01

Tgt Ion: 76 Resp: 7128
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

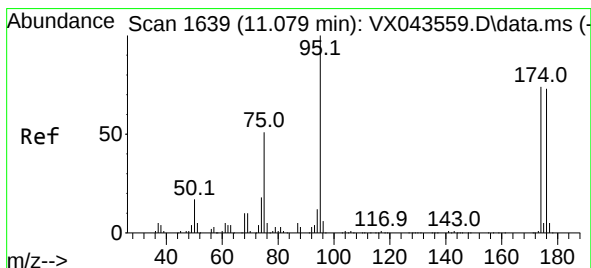
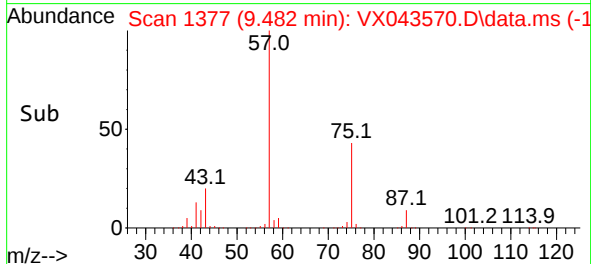
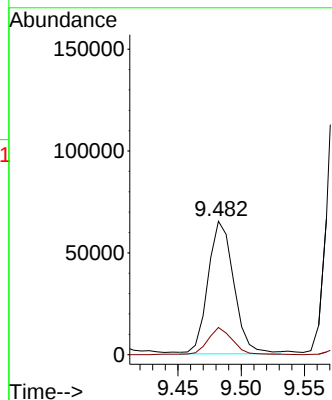
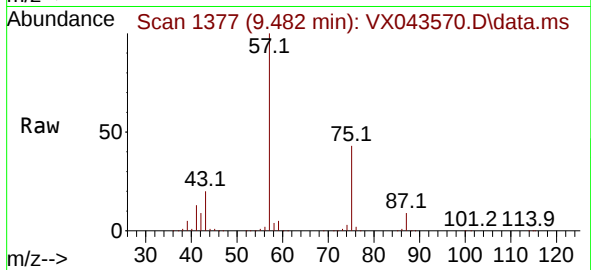




#59
2-Hexanone
Concen: 31.445 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX043570.D
Acq: 28 Oct 2024 18:01

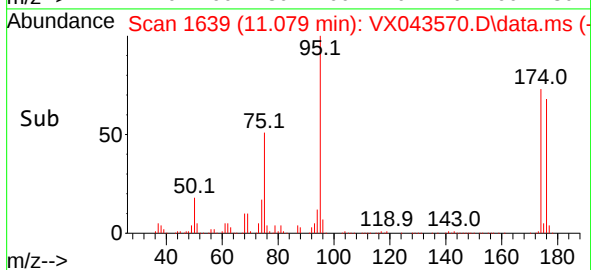
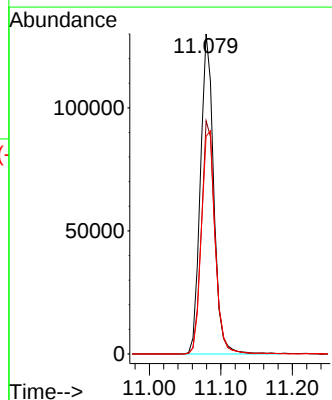
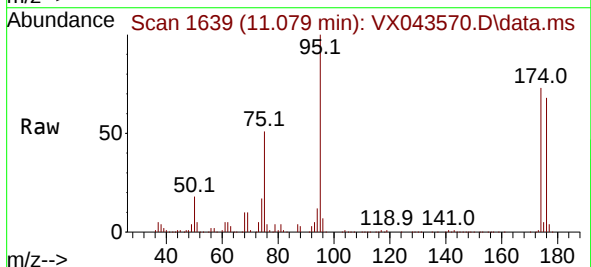
Instrument :
MSVOA_X
ClientSampleId :

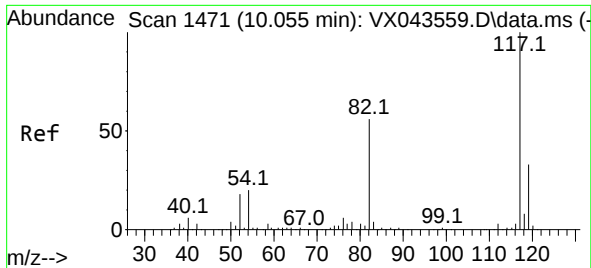
Tgt Ion: 43 Resp: 92549
Ion Ratio Lower Upper
43 100
58 19.9 27.5 82.5#



#62
4-Bromofluorobenzene
Concen: 49.117 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043570.D
Acq: 28 Oct 2024 18:01

Tgt Ion: 95 Resp: 168261
Ion Ratio Lower Upper
95 100
174 74.1 0.0 146.6
176 72.5 0.0 139.6

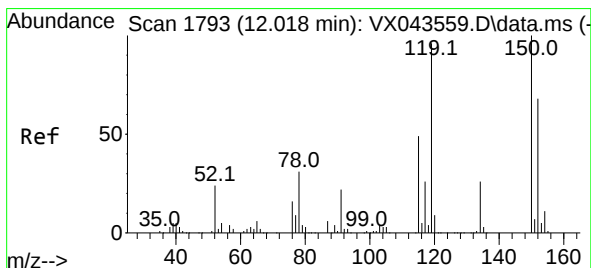
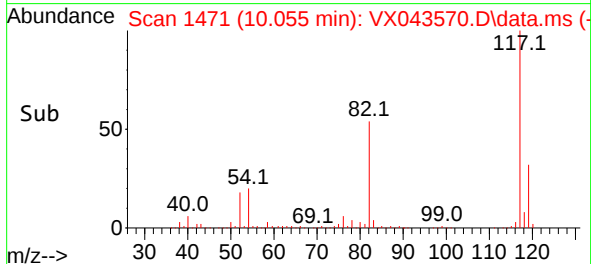
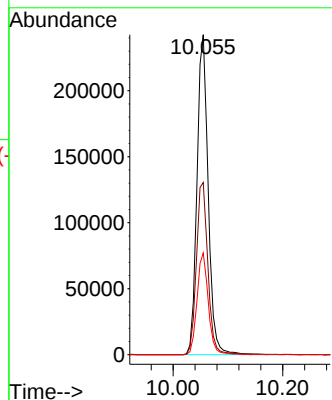
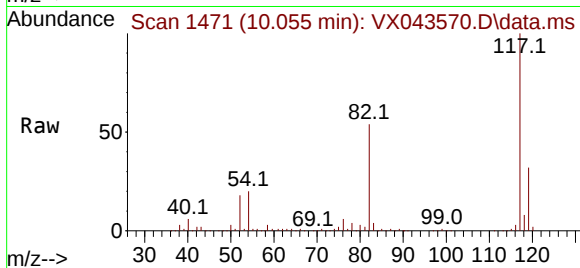




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043570.D
Acq: 28 Oct 2024 18:01

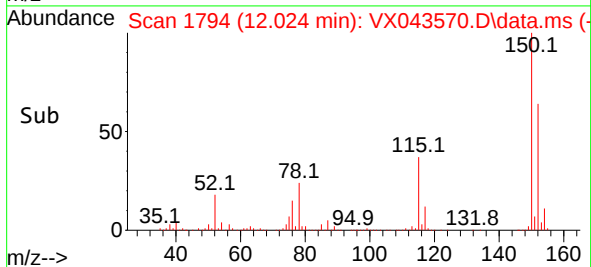
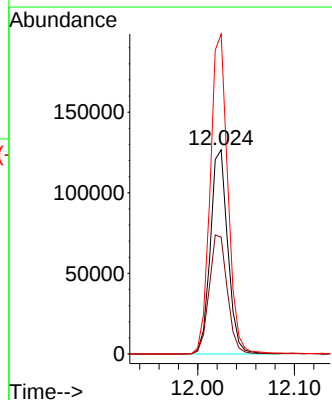
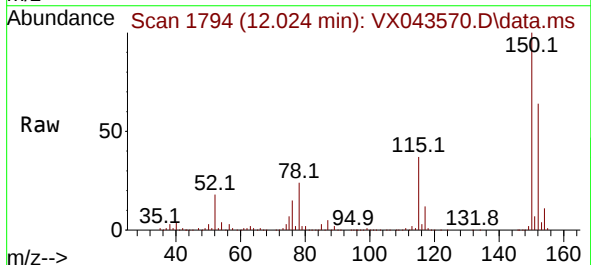
Instrument :
MSVOA_X
ClientSampleId :

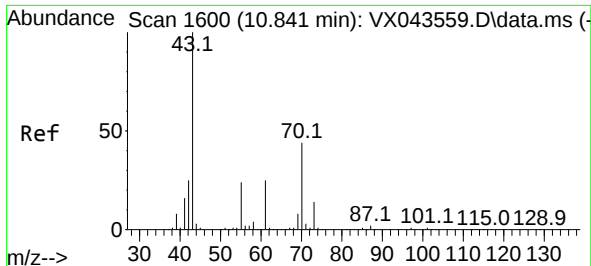
Tgt Ion:117 Resp: 345503
Ion Ratio Lower Upper
117 100
82 53.8 42.1 63.1
119 31.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043570.D
Acq: 28 Oct 2024 18:01

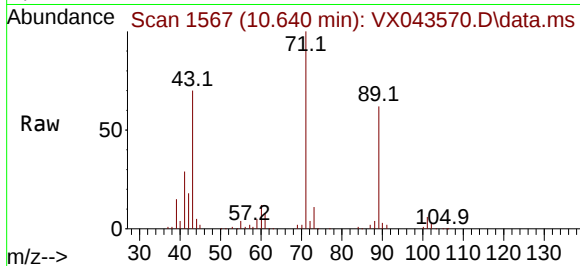
Tgt Ion:152 Resp: 159021
Ion Ratio Lower Upper
152 100
115 60.6 42.9 128.7
150 158.2 0.0 343.6



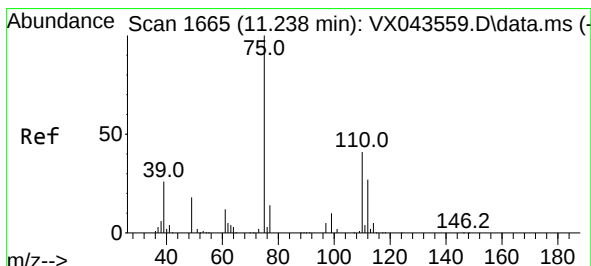
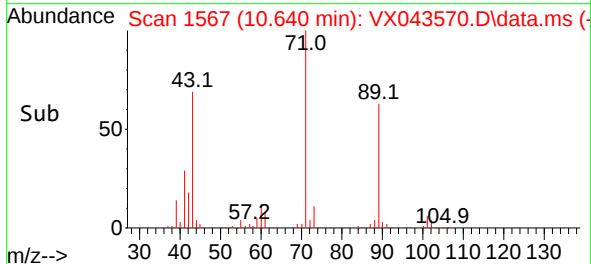
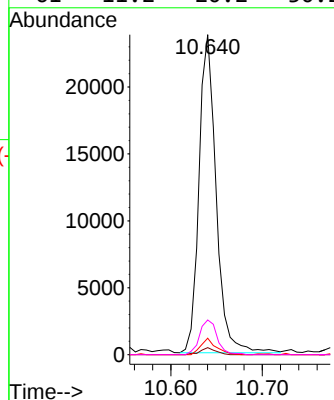


#74
N-amy1 acetate
Concen: 5.644 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX043570.D
Acq: 28 Oct 2024 18:01

Instrument :
MSVOA_X
ClientSampleId :

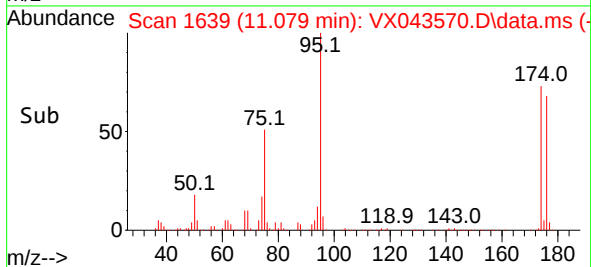
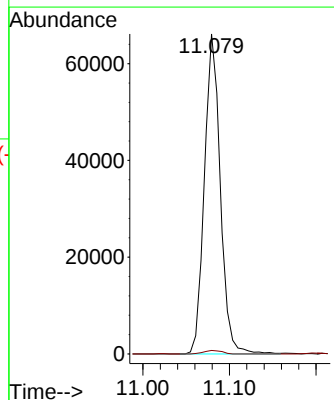
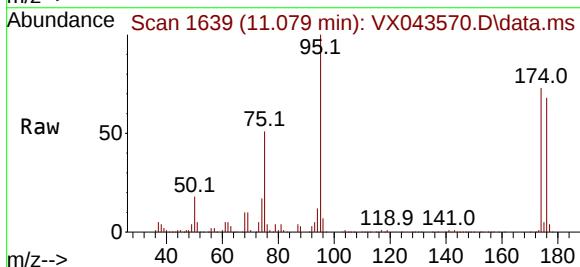


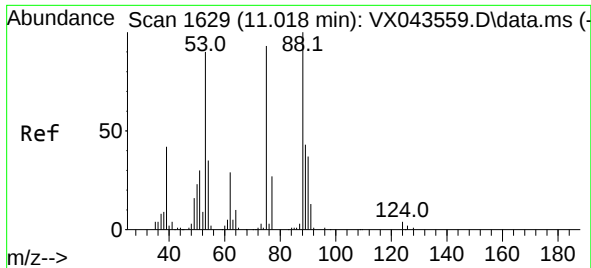
Tgt Ion:	43	Resp:	30972
Ion Ratio	100	Lower	Upper
70	1.9	34.6	52.0#
55	4.6	19.6	29.4#
61	11.2	20.2	30.2#



#76
1,2,3-Trichloropropane
Concen: 24.834 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043570.D
Acq: 28 Oct 2024 18:01

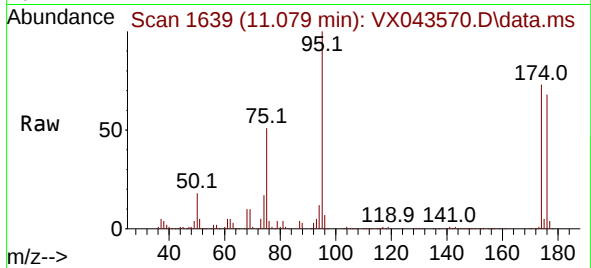
Tgt Ion:	75	Resp:	84438
Ion Ratio	100	Lower	Upper
77	1.2	22.4	67.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.319 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043570.D
 Acq: 28 Oct 2024 18:01

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 84438
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.6 126.8#
 89 0.0 38.6 58.0#

