

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
 Data File : VX044988.D
 Acq On : 18 Feb 2025 15:23
 Operator : JC/MD
 Sample : PB166736ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 19 06:13:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

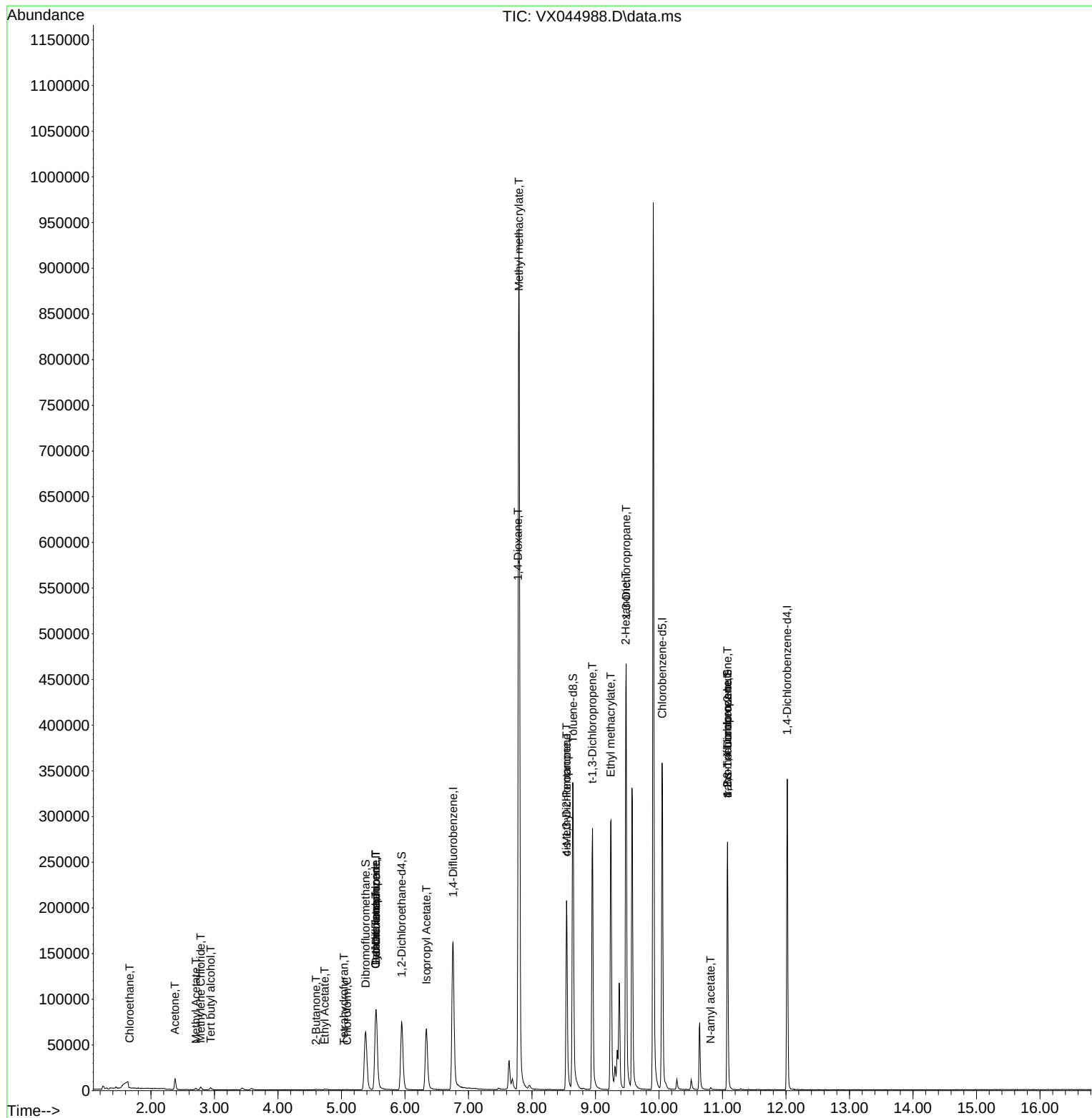
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	85566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	171987	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	155329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	68557	54.735	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.460%	
35) Dibromofluoromethane	5.379	113	57214	51.166	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.340%	
50) Toluene-d8	8.647	98	213066	50.390	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.780%	
62) 4-Bromofluorobenzene	11.079	95	71961	50.482	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.960%	
Target Compounds						Qvalue
6) Chloroethane	1.666	64	180	1.604	ug/l #	42
11) Tert butyl alcohol	2.941	59	1376	5.922	ug/l #	73
16) Acetone	2.380	43	12536	24.896	ug/l	99
18) Methyl Acetate	2.709	43	2060	1.296	ug/l #	89
20) Methylene Chloride	2.782	84	1428	1.158	ug/l #	85
25) 2-Butanone	4.599	43	721	0.882	ug/l #	87
29) Tetrahydrofuran	5.038	42	262	0.483	ug/l #	33
30) Chloroform	5.087	83	426	0.208	ug/l #	62
31) Cyclohexane	5.538	56	2190	1.126	ug/l #	19
36) 1,1-Dichloropropene	5.544	75	7269	4.506	ug/l #	50
37) Ethyl Acetate	4.733	43	1548	0.863	ug/l #	72
38) Carbon Tetrachloride	5.538	117	9241	5.845	ug/l #	16
43) Isopropyl Acetate	6.336	43	97599	33.682	ug/l	98
48) Methyl methacrylate	7.793	41	82387	60.299	ug/l #	44
49) 1,4-Dioxane	7.781	88	83	2.831	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	76033	43.161	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	577	0.339	ug/l #	42
54) cis-1,3-Dichloropropene	8.543	75	34281	18.054	ug/l #	62
56) Ethyl methacrylate	9.238	69	642	0.345	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4352	2.157	ug/l #	42
59) 2-Hexanone	9.476	43	61441	48.406	ug/l #	50
74) N-amyl acetate	10.811	43	1244	0.516	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	38961	26.548	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	38961	68.290	ug/l #	11

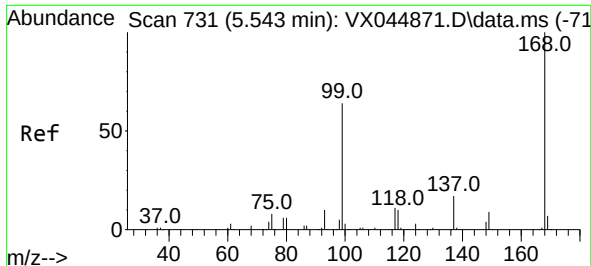
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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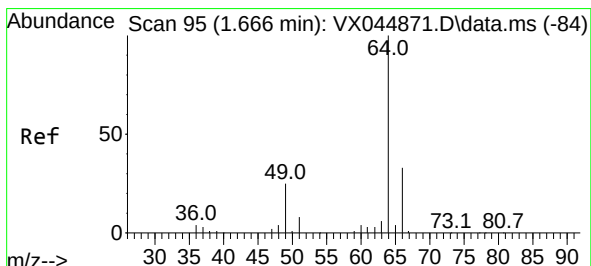
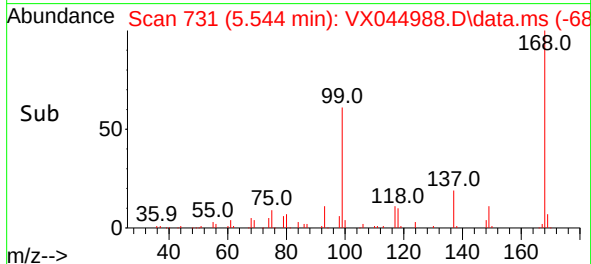
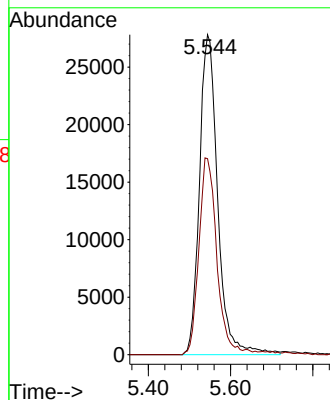
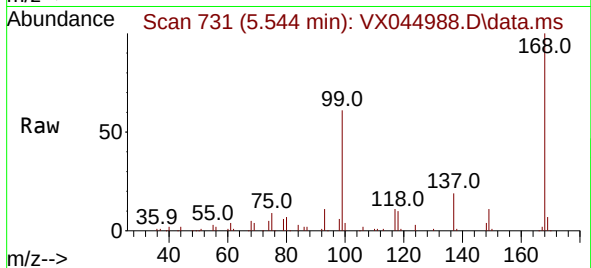




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044988.D
Acq: 18 Feb 2025 15:23

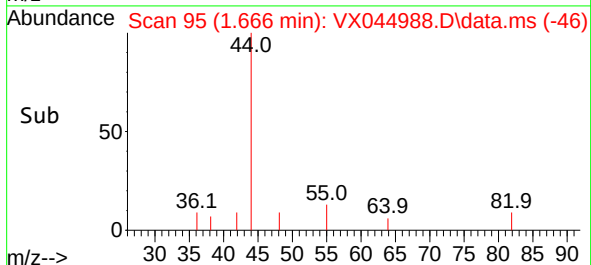
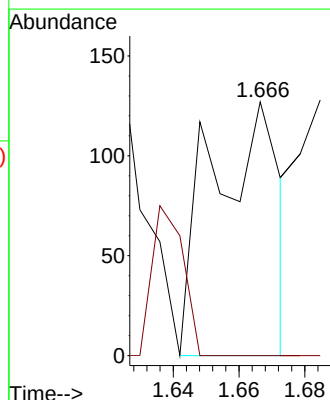
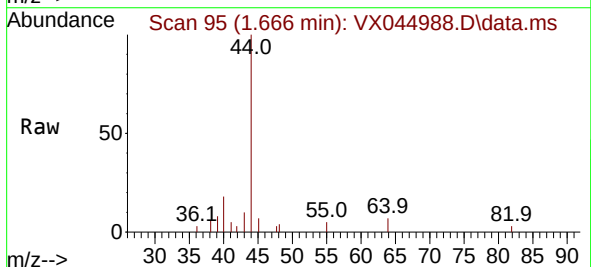
Instrument :
MSVOA_X
ClientSampleId :

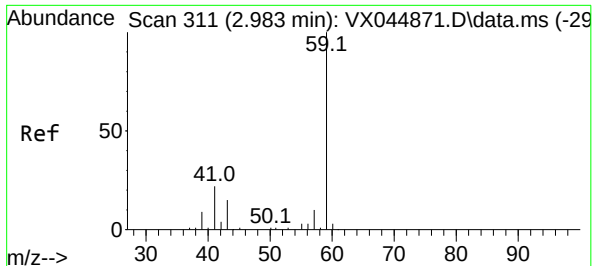
Tgt Ion:168 Resp: 85566
Ion Ratio Lower Upper
168 100
99 61.2 51.2 76.8



#6
Chloroethane
Concen: 1.604 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044988.D
Acq: 18 Feb 2025 15:23

Tgt Ion: 64 Resp: 180
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#

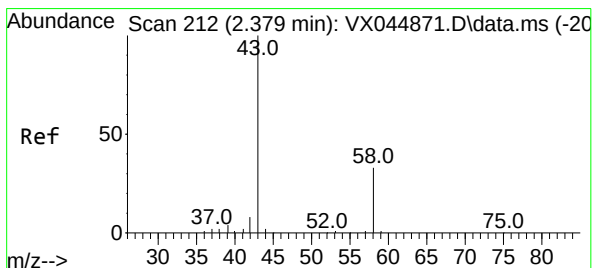
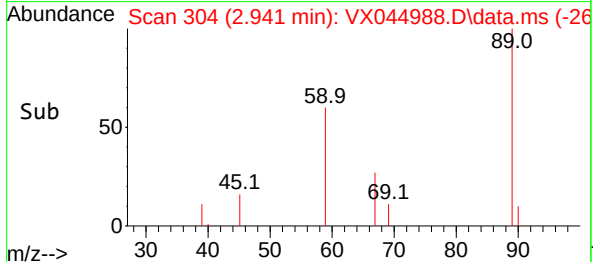
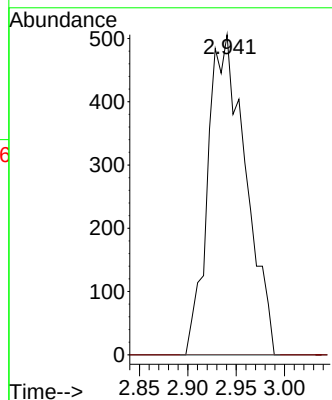
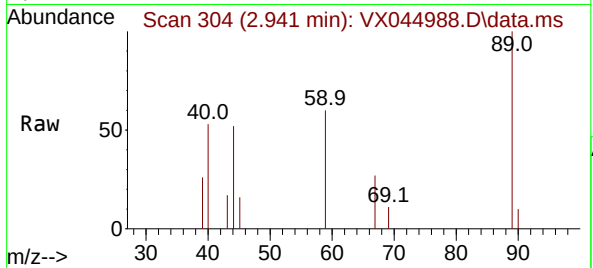




#11
Tert butyl alcohol
Concen: 5.922 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.042 min
Lab File: VX044988.D
Acq: 18 Feb 2025 15:23

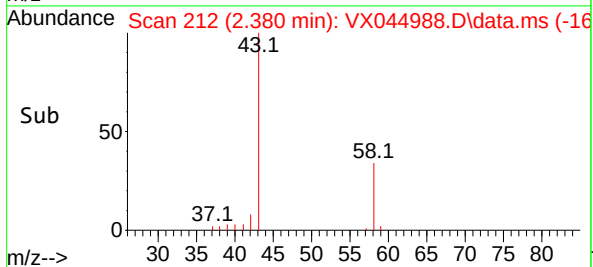
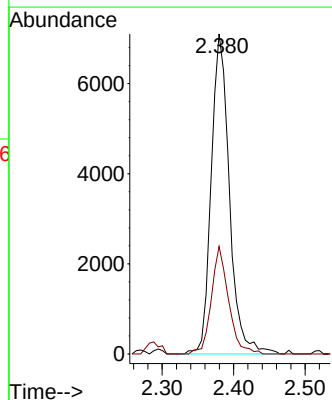
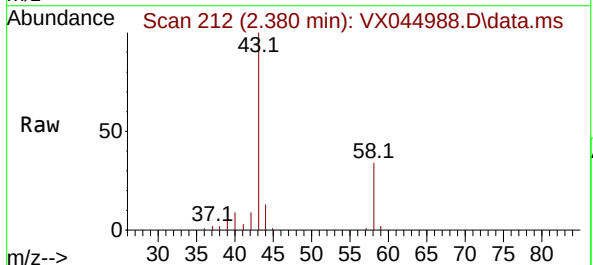
Instrument :
MSVOA_X
ClientSampleId :

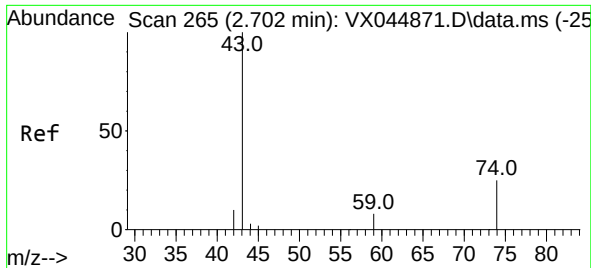
Tgt Ion: 59 Resp: 1376
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 24.896 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044988.D
Acq: 18 Feb 2025 15:23

Tgt Ion: 43 Resp: 12536
Ion Ratio Lower Upper
43 100
58 33.6 26.5 39.7

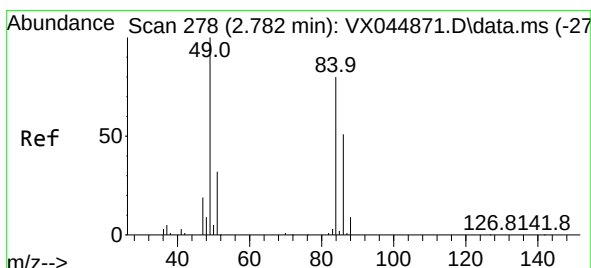
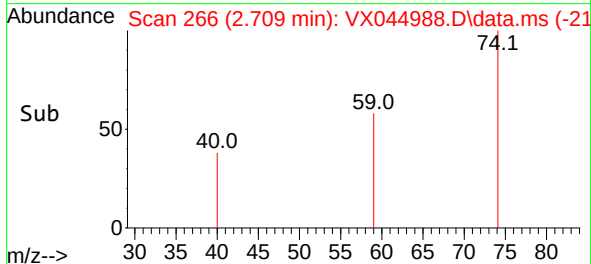
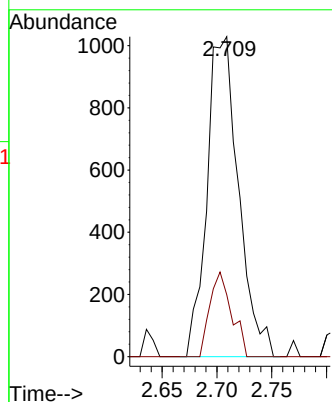
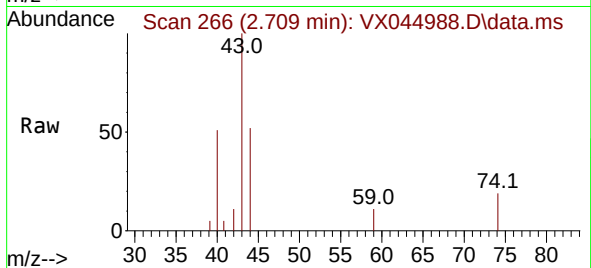




#18
Methyl Acetate
Concen: 1.296 ug/l
RT: 2.709 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VX044988.D
Acq: 18 Feb 2025 15:23

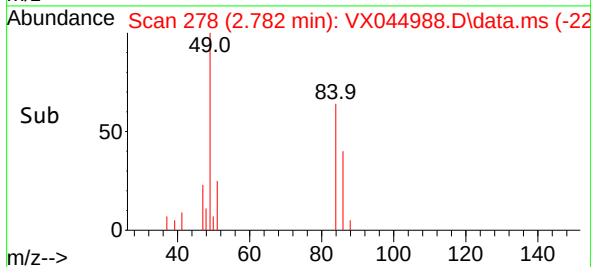
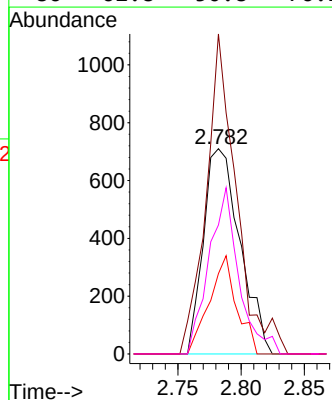
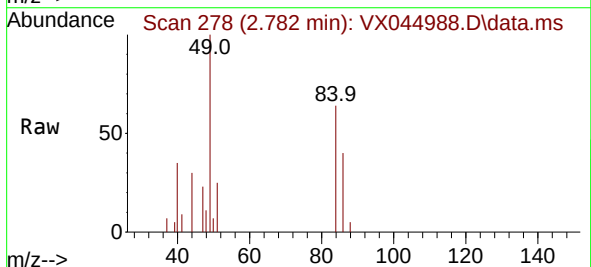
Instrument :
MSVOA_X
ClientSampleId :

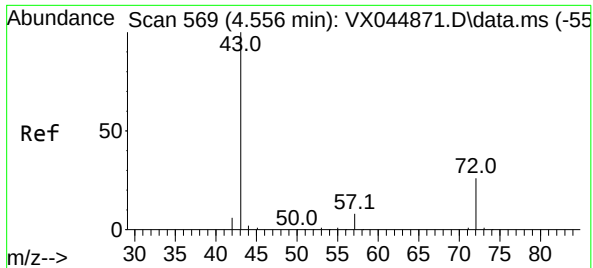
Tgt Ion: 43 Resp: 2060
Ion Ratio Lower Upper
43 100
74 18.2 18.9 28.3#



#20
Methylene Chloride
Concen: 1.158 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044988.D
Acq: 18 Feb 2025 15:23

Tgt Ion: 84 Resp: 1428
Ion Ratio Lower Upper
84 100
49 155.9 100.1 150.1#
51 39.2 31.7 47.5
86 62.8 50.8 76.2





#25

2-Butanone

Concen: 0.882 ug/l

RT: 4.599 min Scan# 51

Delta R.T. 0.043 min

Lab File: VX044988.D

Acq: 18 Feb 2025 15:23

Instrument :

MSVOA_X

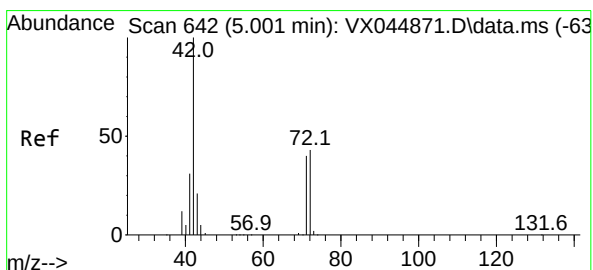
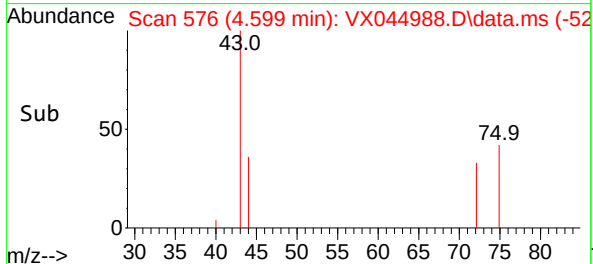
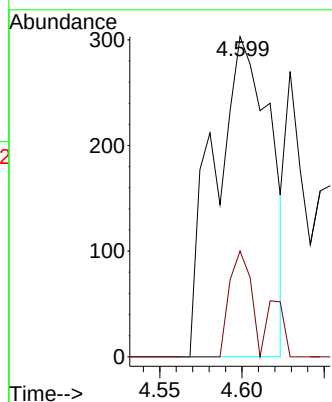
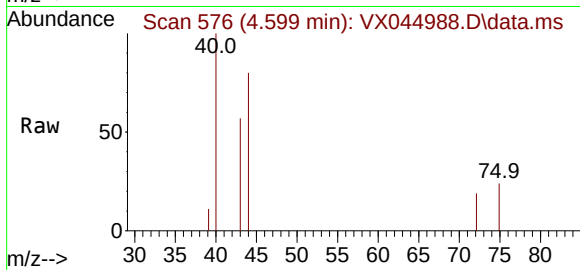
ClientSampleId :

Tgt Ion: 43 Resp: 721

Ion Ratio Lower Upper

43 100

72 33.0 21.2 31.8#



#29

Tetrahydrofuran

Concen: 0.483 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.037 min

Lab File: VX044988.D

Acq: 18 Feb 2025 15:23

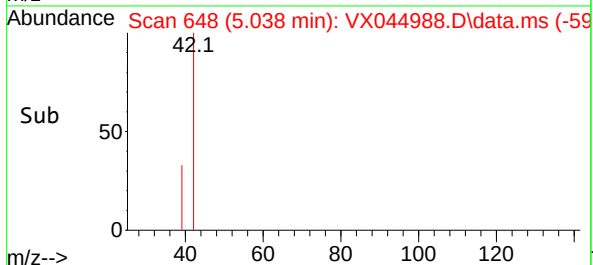
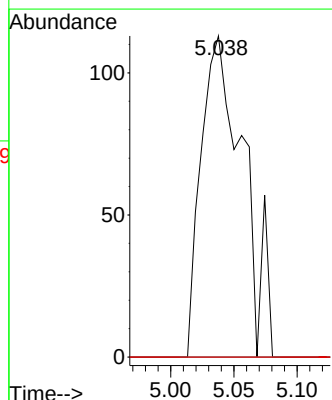
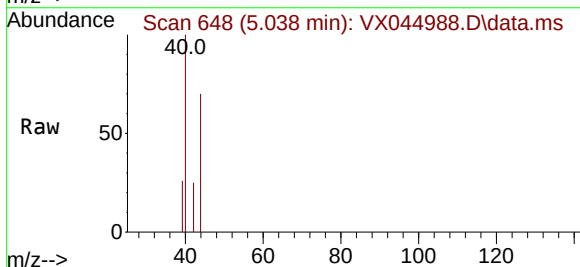
Tgt Ion: 42 Resp: 262

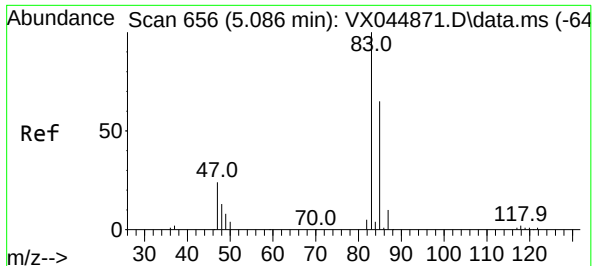
Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.4#

71 0.0 32.6 48.8#





#30

Chloroform

Concen: 0.208 ug/l

RT: 5.087 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX044988.D

Acq: 18 Feb 2025 15:23

Instrument :

MSVOA_X

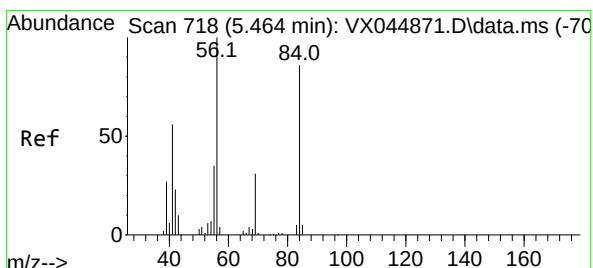
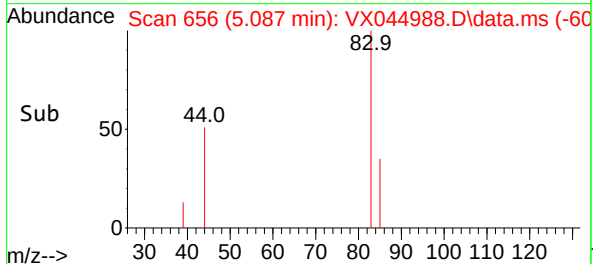
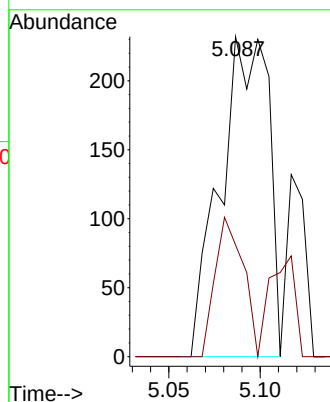
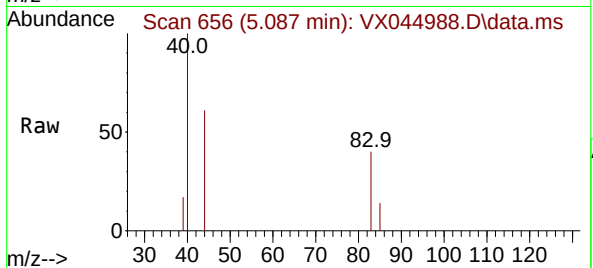
ClientSampleId :

Tgt Ion: 83 Resp: 426

Ion Ratio Lower Upper

83 100

85 34.9 52.1 78.1#



#31

Cyclohexane

Concen: 1.126 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.074 min

Lab File: VX044988.D

Acq: 18 Feb 2025 15:23

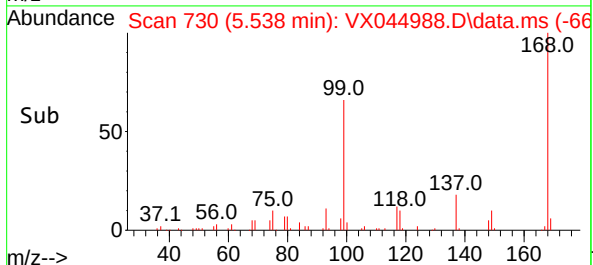
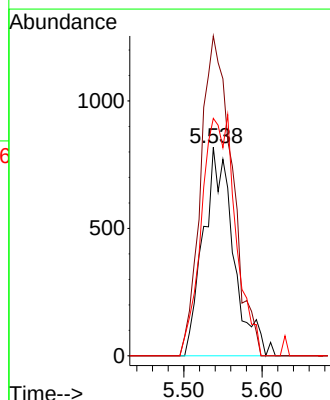
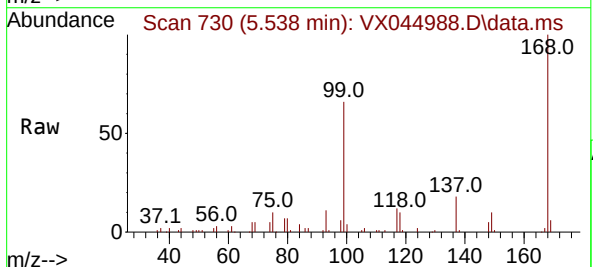
Tgt Ion: 56 Resp: 2190

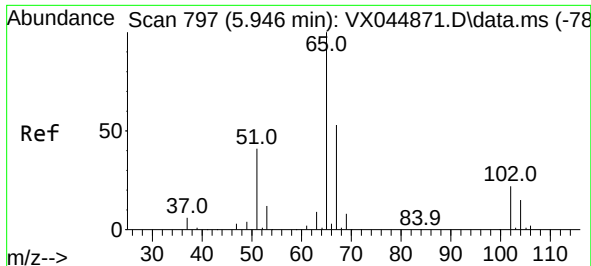
Ion Ratio Lower Upper

56 100

69 153.4 24.4 36.6#

84 113.9 69.0 103.6#

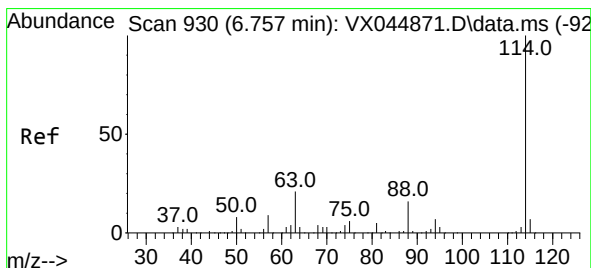
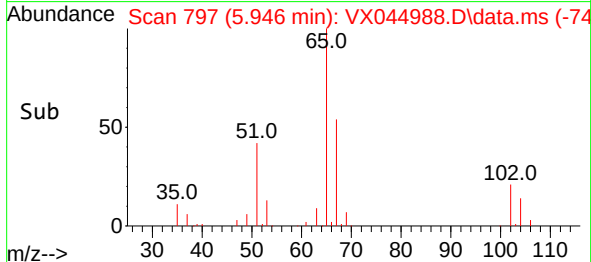
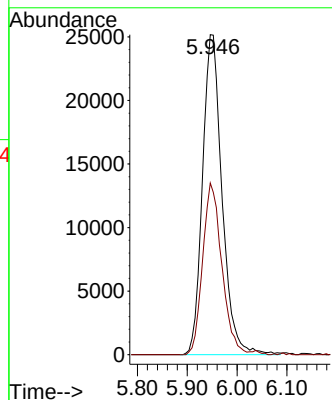
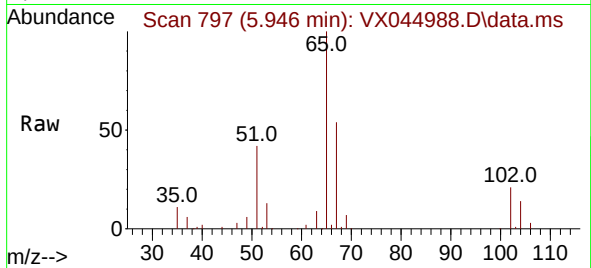




#33
 1,2-Dichloroethane-d4
 Concen: 54.735 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. 0.000 min
 Lab File: VX044988.D
 Acq: 18 Feb 2025 15:23

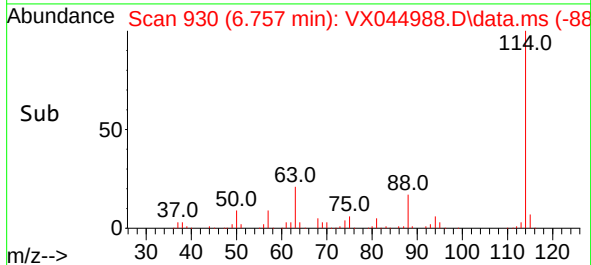
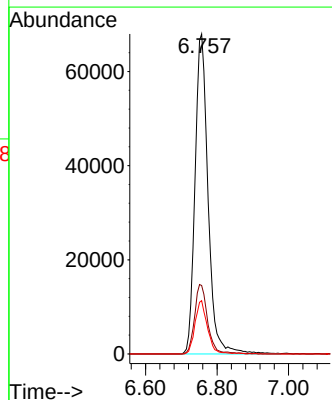
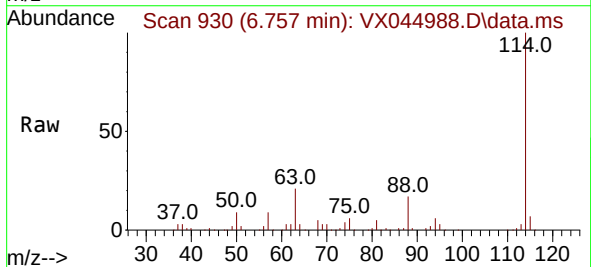
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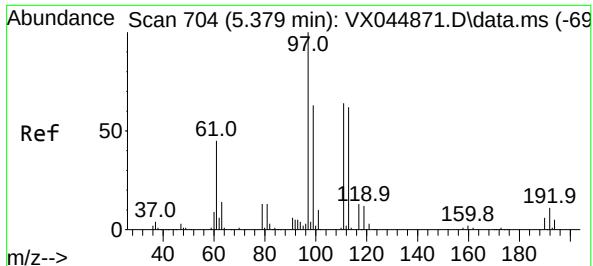
Tgt Ion: 65 Resp: 68557
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX044988.D
 Acq: 18 Feb 2025 15:23

Tgt Ion: 114 Resp: 171987
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 42.4
 88 16.6 0.0 31.4

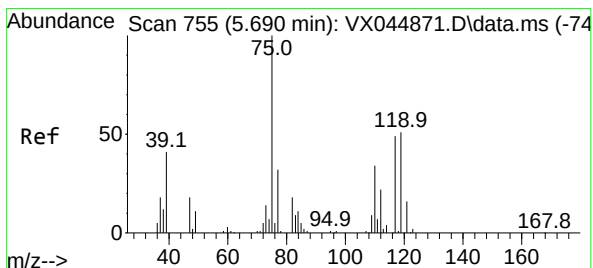
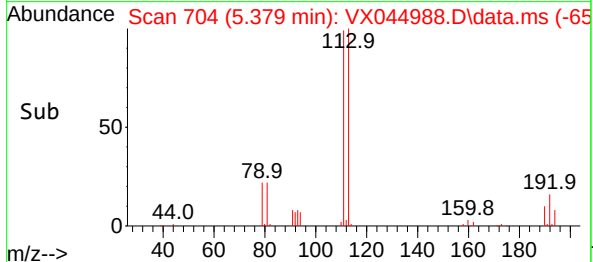
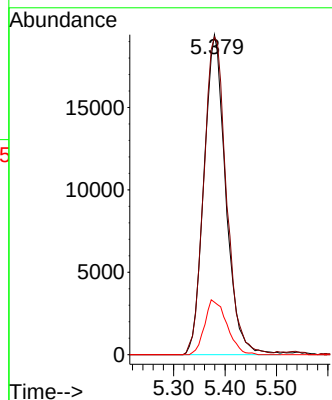
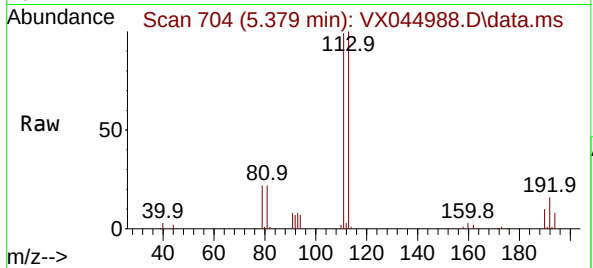




#35
Dibromofluoromethane
Concen: 51.166 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044988.D
Acq: 18 Feb 2025 15:23

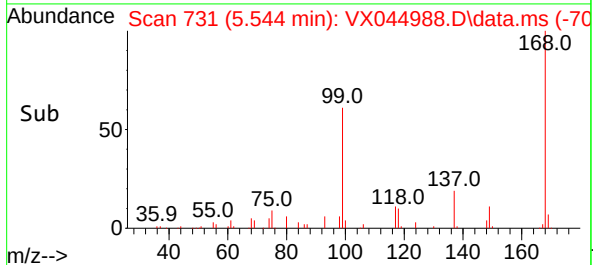
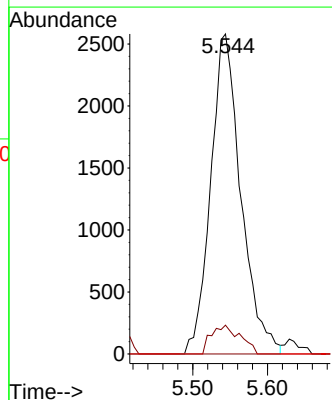
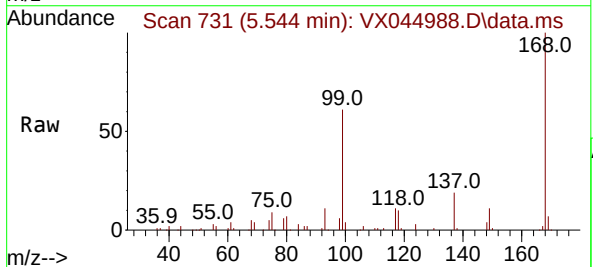
Instrument :
MSVOA_X
ClientSampleId :

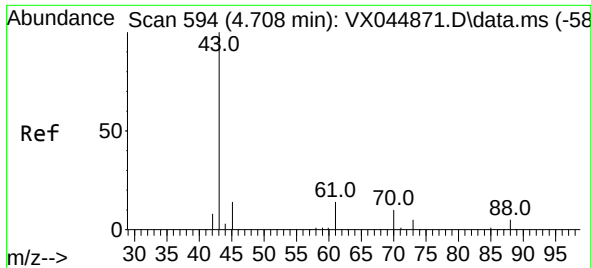
Tgt Ion:113 Resp: 57214
Ion Ratio Lower Upper
113 100
111 102.9 83.5 125.3
192 17.5 14.4 21.6



#36
1,1-Dichloropropene
Concen: 4.506 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX044988.D
Acq: 18 Feb 2025 15:23

Tgt Ion: 75 Resp: 7269
Ion Ratio Lower Upper
75 100
110 8.6 17.2 51.6#
77 0.0 24.6 37.0#

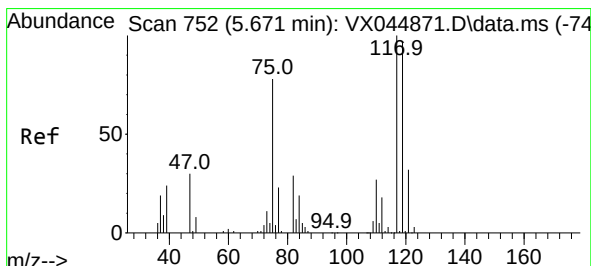
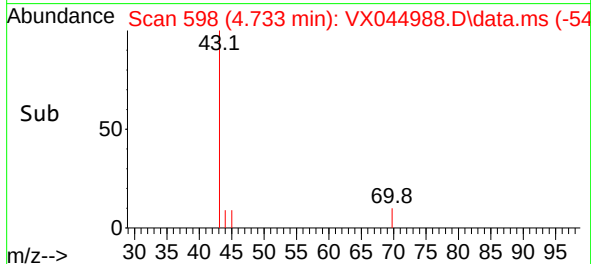
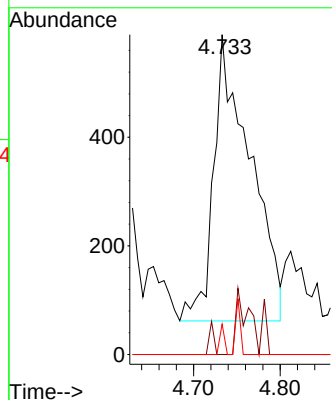
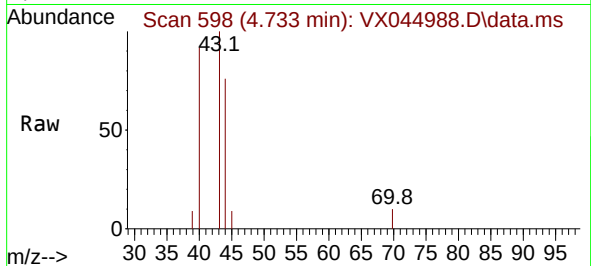




#37
Ethyl Acetate
Concen: 0.863 ug/l
RT: 4.733 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX044988.D
Acq: 18 Feb 2025 15:23

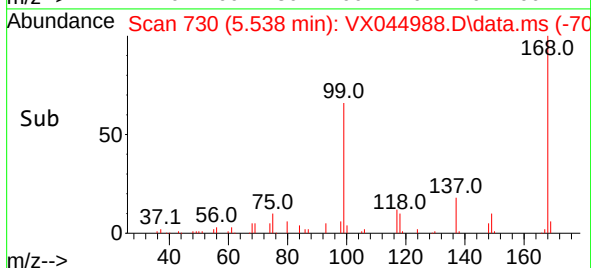
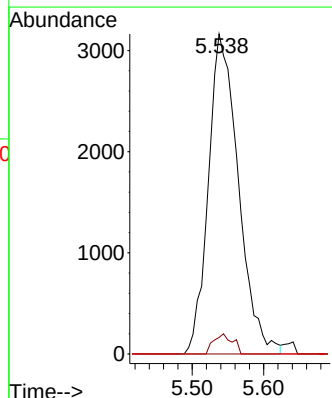
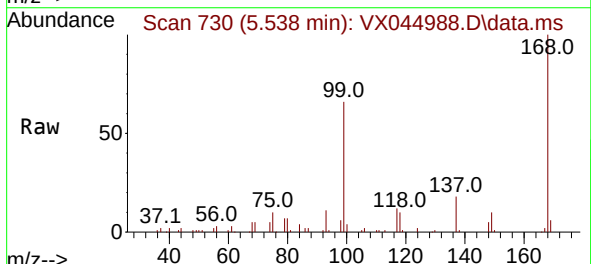
Instrument :
MSVOA_X
ClientSampleId :

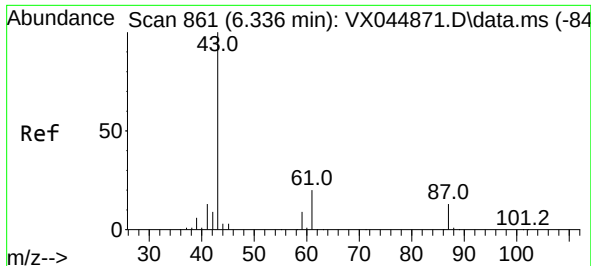
Tgt Ion: 43 Resp: 1548
Ion Ratio Lower Upper
43 100
61 1.4 11.0 16.4#
70 1.3 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 5.845 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX044988.D
Acq: 18 Feb 2025 15:23

Tgt Ion: 117 Resp: 9241
Ion Ratio Lower Upper
117 100
119 5.2 77.5 116.3#
121 0.0 25.6 38.4#

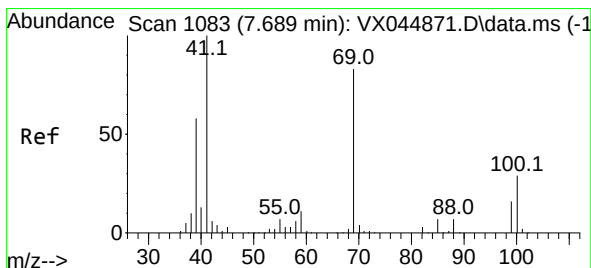
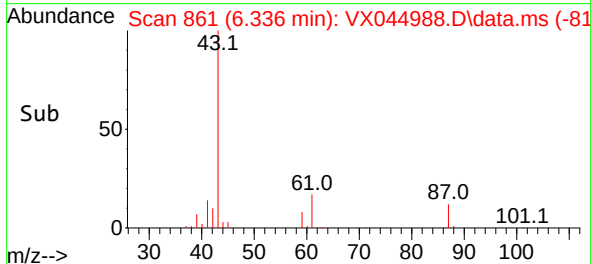
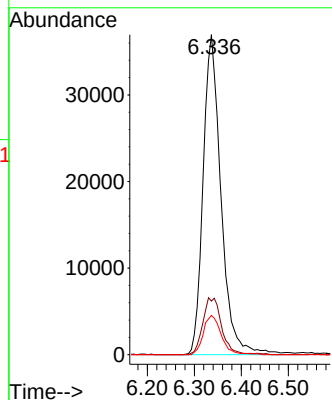
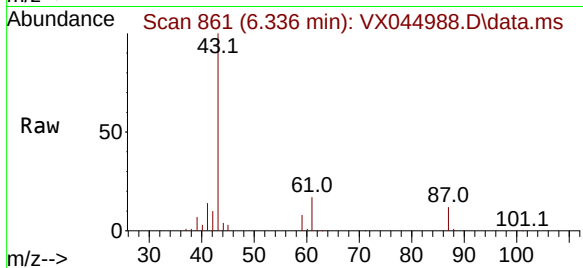




#43
Isopropyl Acetate
Concen: 33.682 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX044988.D
Acq: 18 Feb 2025 15:23

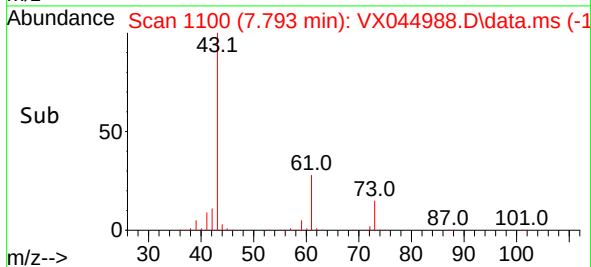
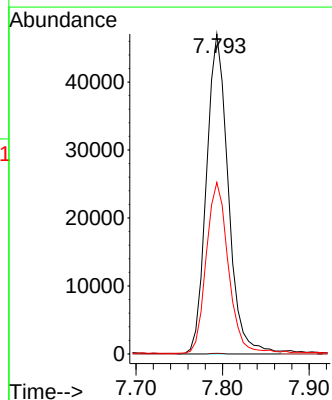
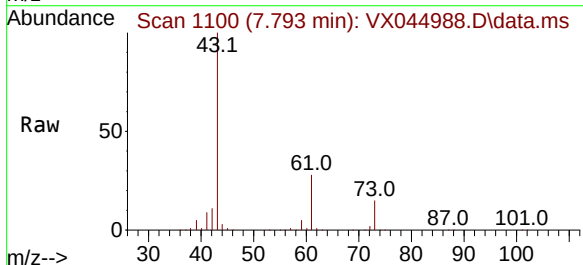
Instrument :
MSVOA_X
ClientSampleId :

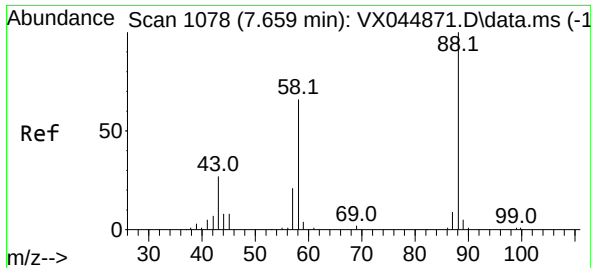
Tgt Ion: 43 Resp: 97599
Ion Ratio Lower Upper
43 100
61 18.6 15.8 23.8
87 12.3 10.0 15.0



#48
Methyl methacrylate
Concen: 60.299 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX044988.D
Acq: 18 Feb 2025 15:23

Tgt Ion: 41 Resp: 82387
Ion Ratio Lower Upper
41 100
69 0.1 65.8 98.8#
39 54.8 46.4 69.6

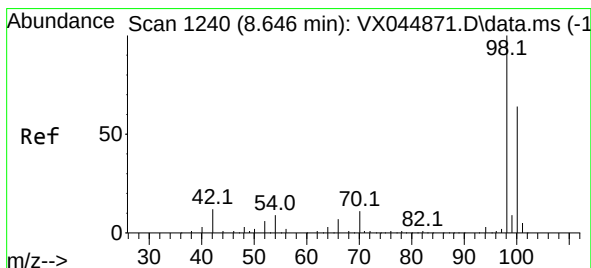
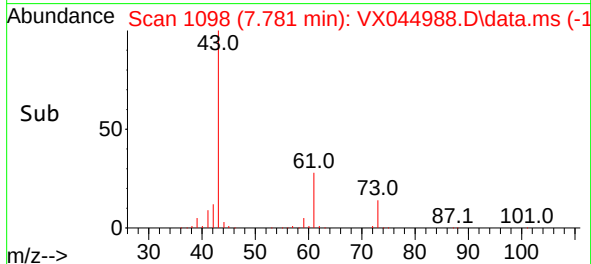
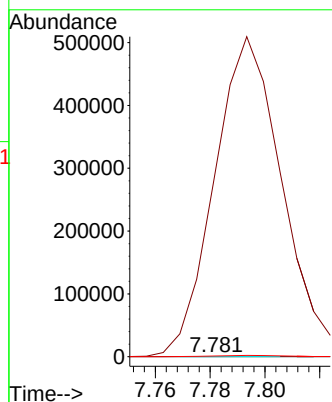
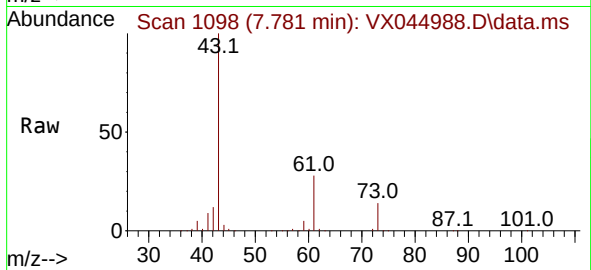




#49
1,4-Dioxane
Concen: 2.831 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.122 min
Lab File: VX044988.D
Acq: 18 Feb 2025 15:23

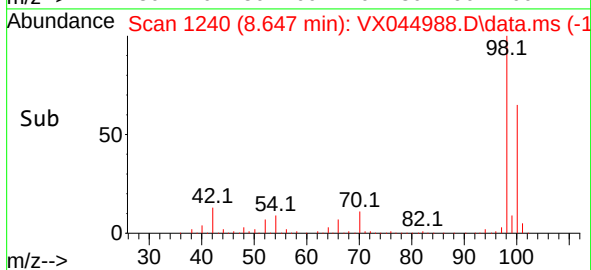
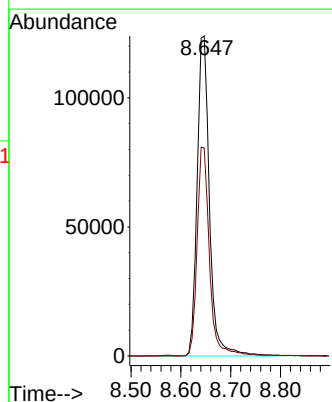
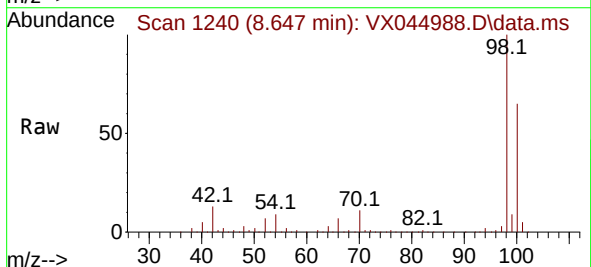
Instrument :
MSVOA_X
ClientSampleId :

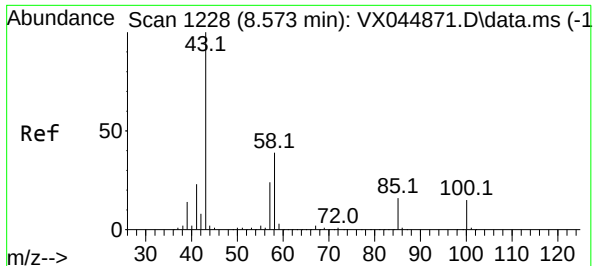
Tgt Ion: 88 Resp: 83
Ion Ratio Lower Upper
88 100
43 1082561.4 26.6 39.8#
58 4586.7 55.9 83.9#



#50
Toluene-d8
Concen: 50.390 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044988.D
Acq: 18 Feb 2025 15:23

Tgt Ion: 98 Resp: 213066
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1

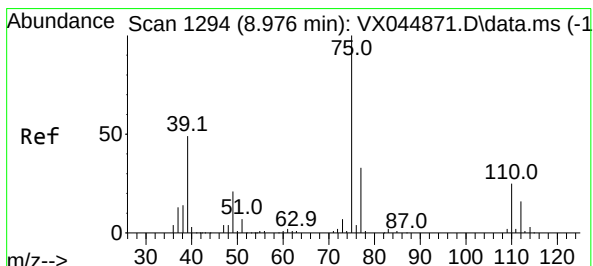
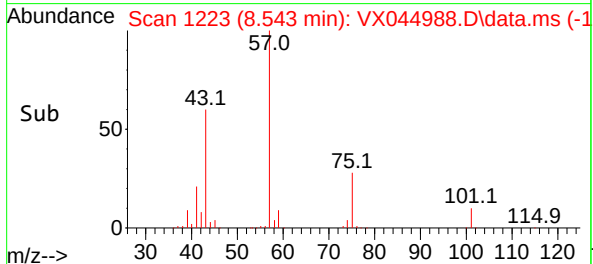
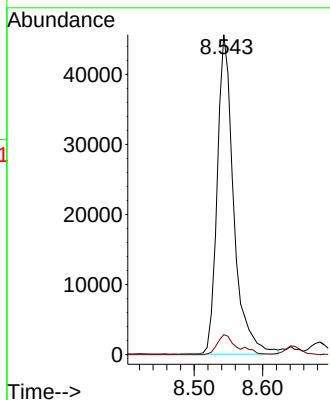
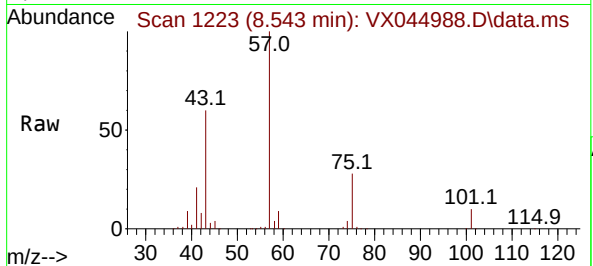




#51
4-Methyl-2-Pentanone
Concen: 43.161 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX044988.D
Acq: 18 Feb 2025 15:23

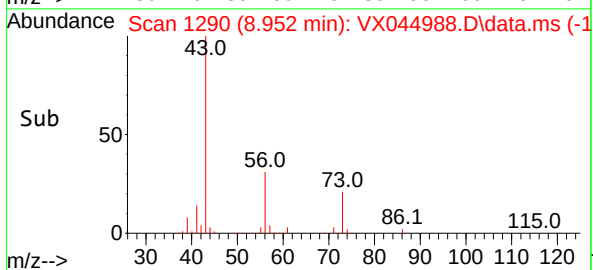
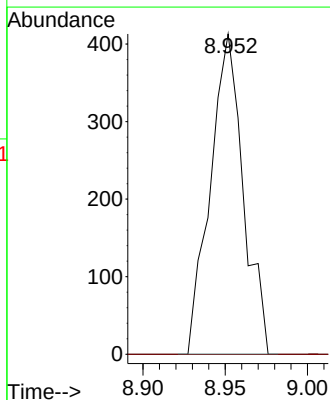
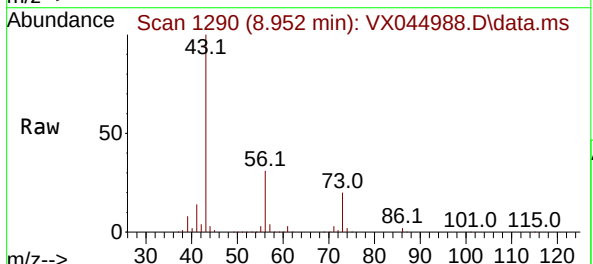
Instrument :
MSVOA_X
ClientSampleId :

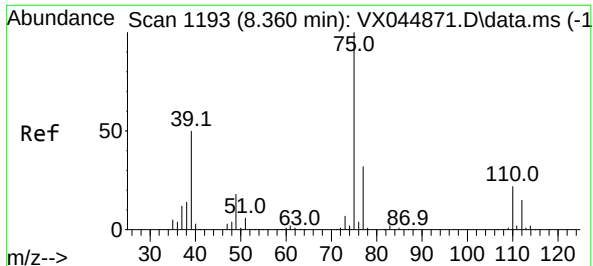
Tgt Ion: 43 Resp: 76033
Ion Ratio Lower Upper
43 100
58 7.6 30.8 46.2#



#53
t-1,3-Dichloropropene
Concen: 0.339 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX044988.D
Acq: 18 Feb 2025 15:23

Tgt Ion: 75 Resp: 577
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#

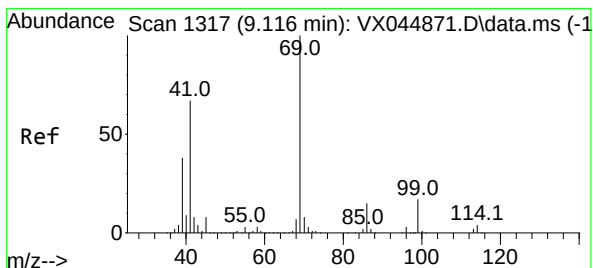
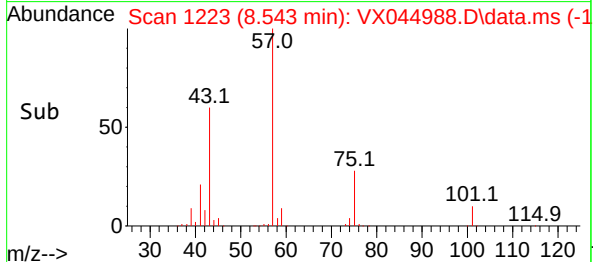
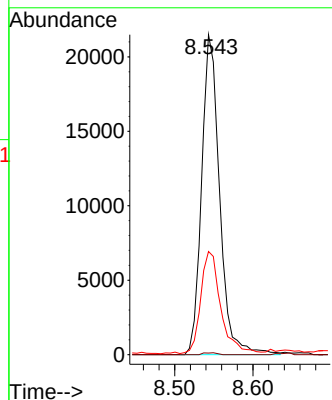
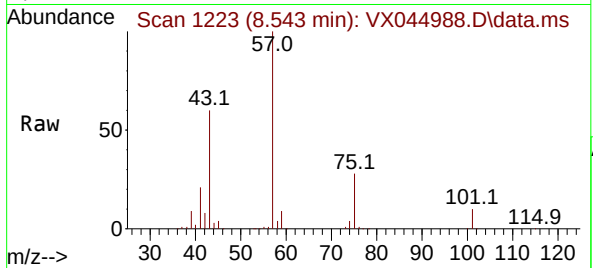




#54
 cis-1,3-Dichloropropene
 Concen: 18.054 ug/l
 RT: 8.543 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX044988.D
 Acq: 18 Feb 2025 15:23

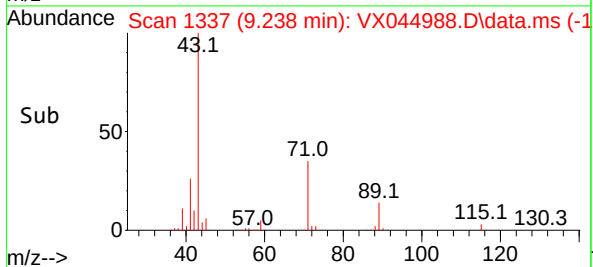
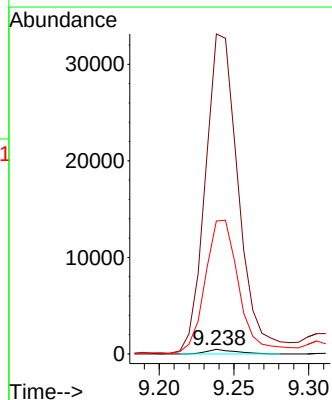
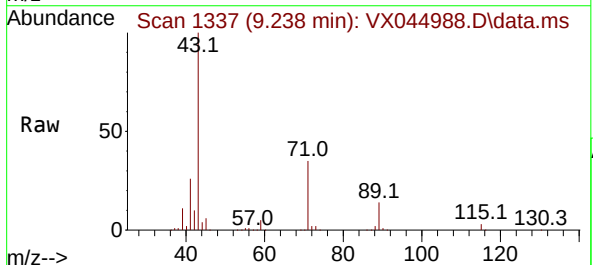
Instrument :
 MSVOA_X
 ClientSampleId :

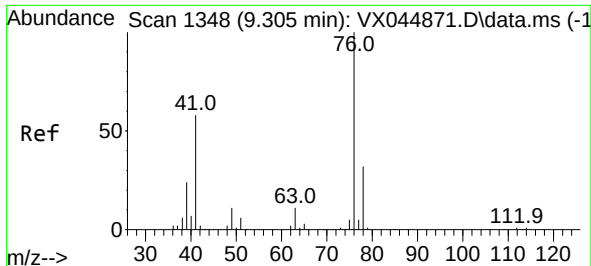
Tgt Ion: 75 Resp: 34281
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 31.9 40.0 60.0#



#56
 Ethyl methacrylate
 Concen: 0.345 ug/l
 RT: 9.238 min Scan# 1337
 Delta R.T. 0.122 min
 Lab File: VX044988.D
 Acq: 18 Feb 2025 15:23

Tgt Ion: 69 Resp: 642
 Ion Ratio Lower Upper
 69 100
 41 8037.5 55.2 82.8#
 39 3427.3 30.8 46.2#





#57

1,3-Dichloropropane

Concen: 2.157 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX044988.D

Acq: 18 Feb 2025 15:23

Instrument :

MSVOA_X

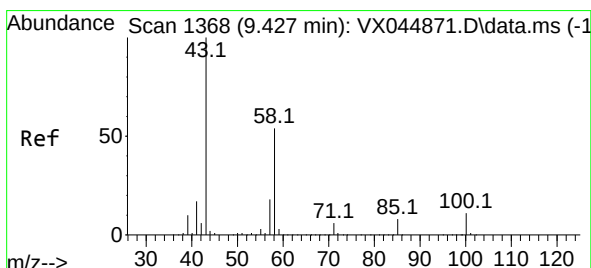
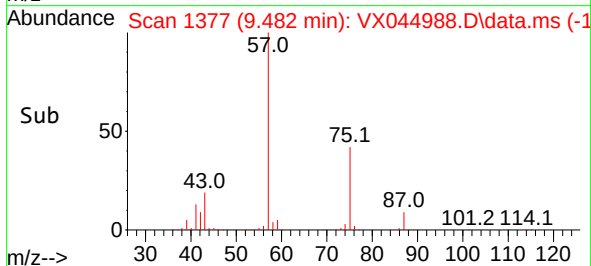
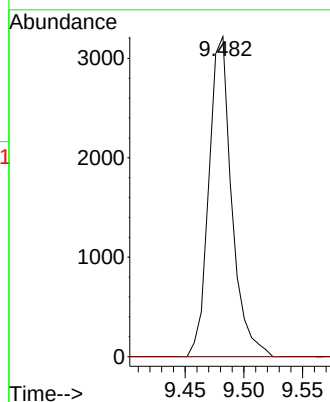
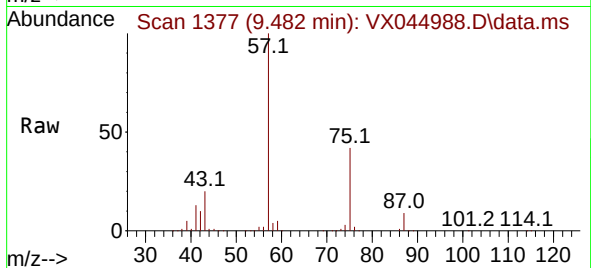
ClientSampleId :

Tgt Ion: 76 Resp: 4352

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 48.406 ug/l

RT: 9.476 min Scan# 1376

Delta R.T. 0.049 min

Lab File: VX044988.D

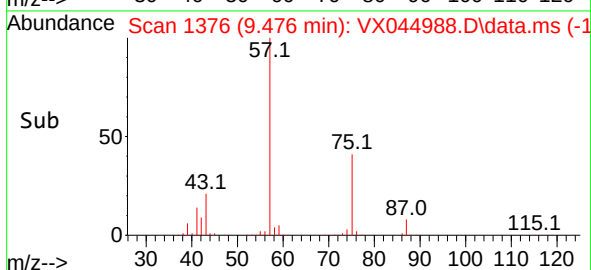
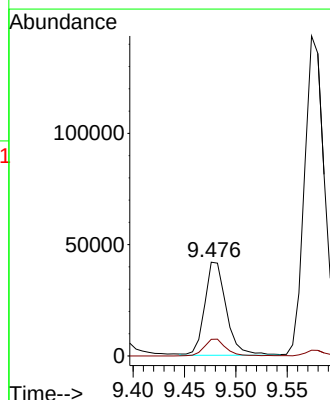
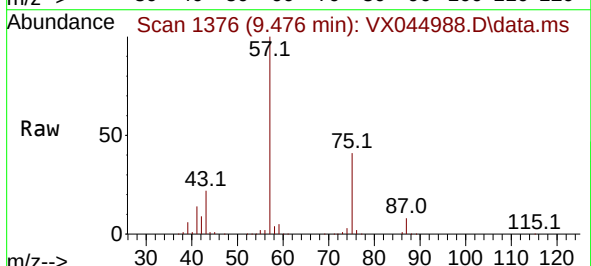
Acq: 18 Feb 2025 15:23

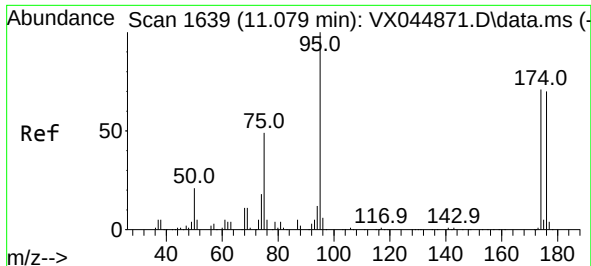
Tgt Ion: 43 Resp: 61441

Ion Ratio Lower Upper

43 100

58 18.5 27.5 82.4#

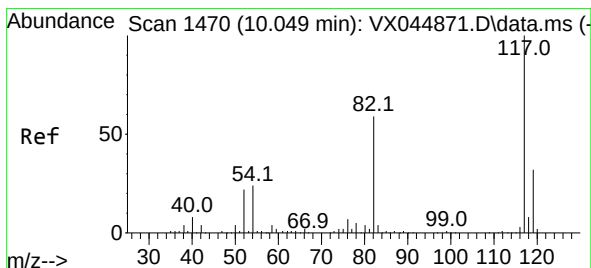
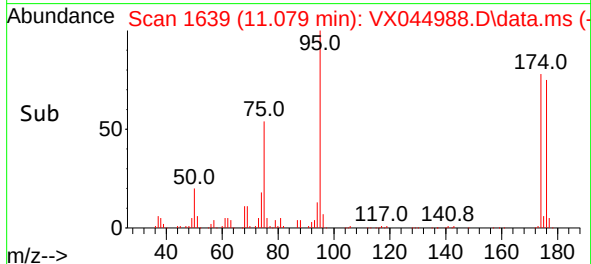
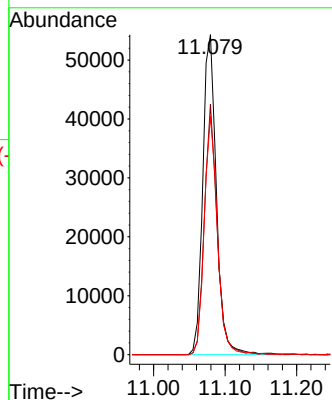
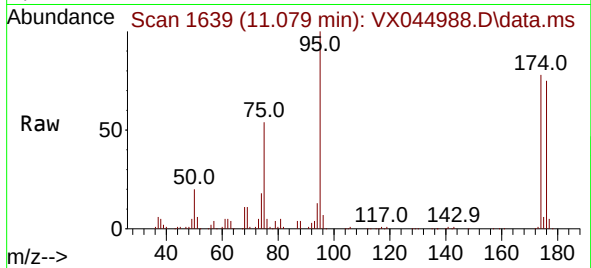




#62
4-Bromofluorobenzene
Concen: 50.482 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044988.D
Acq: 18 Feb 2025 15:23

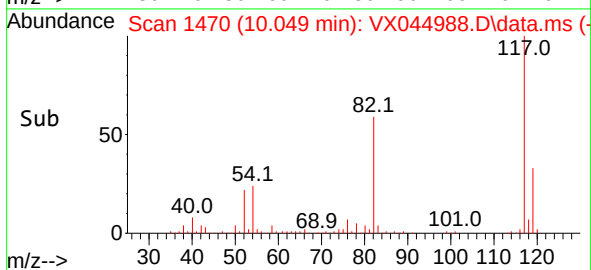
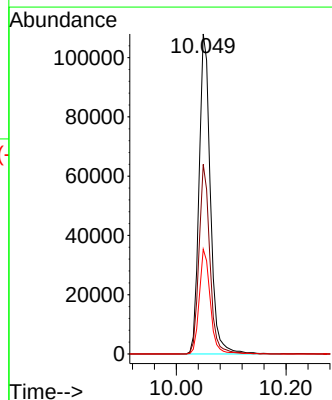
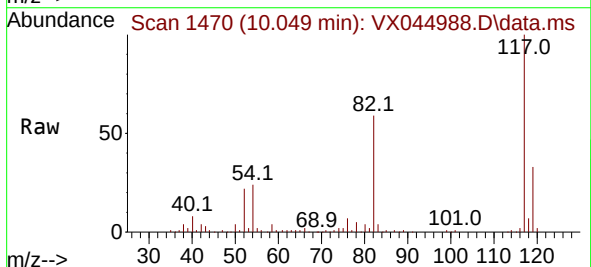
Instrument :
MSVOA_X
ClientSampleId :

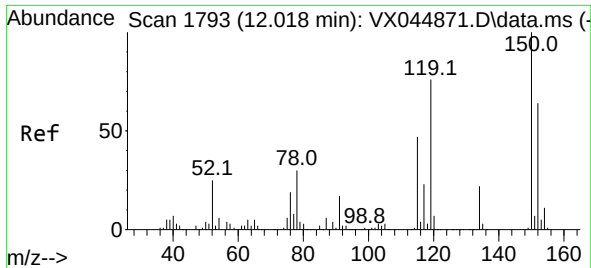
Tgt Ion: 95 Resp: 71961
Ion Ratio Lower Upper
95 100
174 73.6 0.0 142.6
176 72.2 0.0 141.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044988.D
Acq: 18 Feb 2025 15:23

Tgt Ion: 117 Resp: 155329
Ion Ratio Lower Upper
117 100
82 59.2 47.5 71.3
119 32.7 25.4 38.0

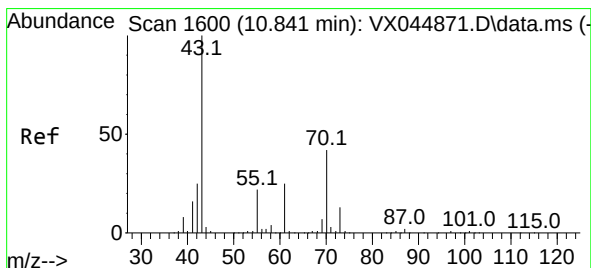
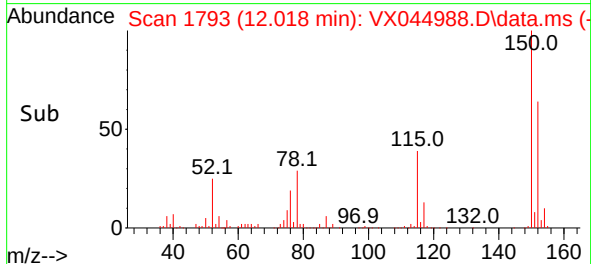
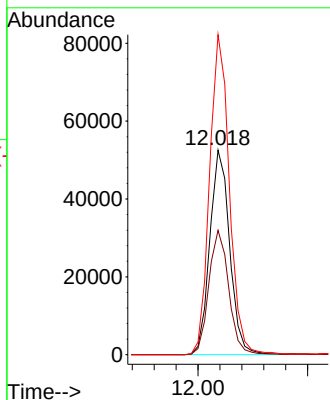
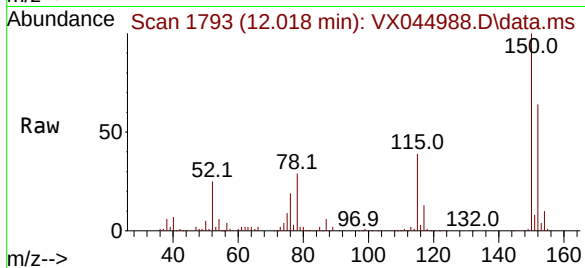




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX044988.D
 Acq: 18 Feb 2025 15:23

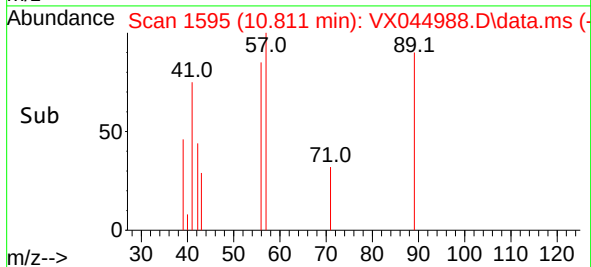
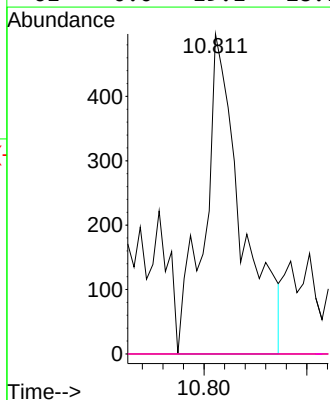
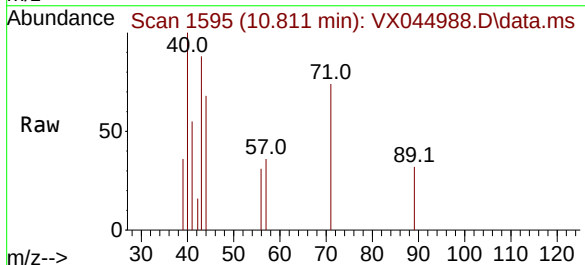
Instrument :
 MSVOA_X
 ClientSampleId :

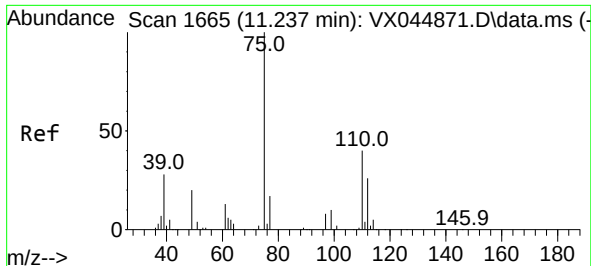
Tgt Ion:152 Resp: 66193
 Ion Ratio Lower Upper
 152 100
 115 61.1 43.4 130.1
 150 155.9 0.0 350.4



#74
 N-ethyl acetate
 Concen: 0.516 ug/l
 RT: 10.811 min Scan# 1595
 Delta R.T. -0.030 min
 Lab File: VX044988.D
 Acq: 18 Feb 2025 15:23

Tgt Ion: 43 Resp: 1244
 Ion Ratio Lower Upper
 43 100
 70 0.0 33.7 50.5#
 55 0.0 18.6 27.8#
 61 0.0 19.1 28.7#

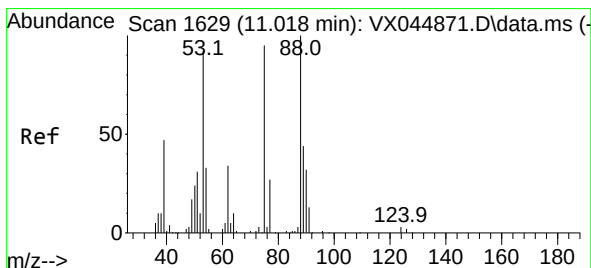
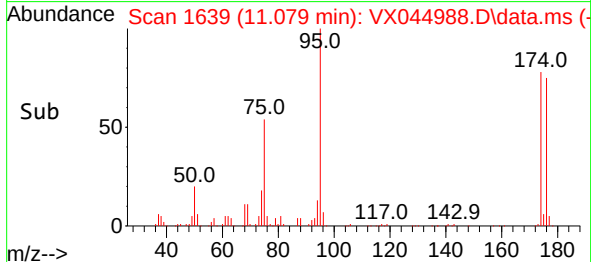
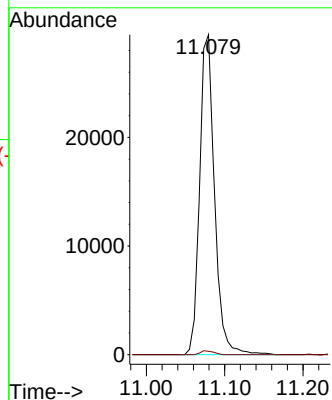
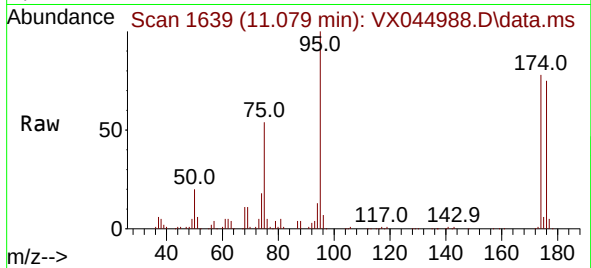




#76
1,2,3-Trichloropropane
Concen: 26.548 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044988.D
Acq: 18 Feb 2025 15:23

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 38961
Ion Ratio Lower Upper
75 100
77 1.1 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.290 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044988.D
Acq: 18 Feb 2025 15:23

Tgt Ion: 75 Resp: 38961
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 36.6 54.8#

