

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
 Data File : VX043571.D
 Acq On : 28 Oct 2024 18:24
 Operator : JC/MD
 Sample : PB164394ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB164394ZHE#03

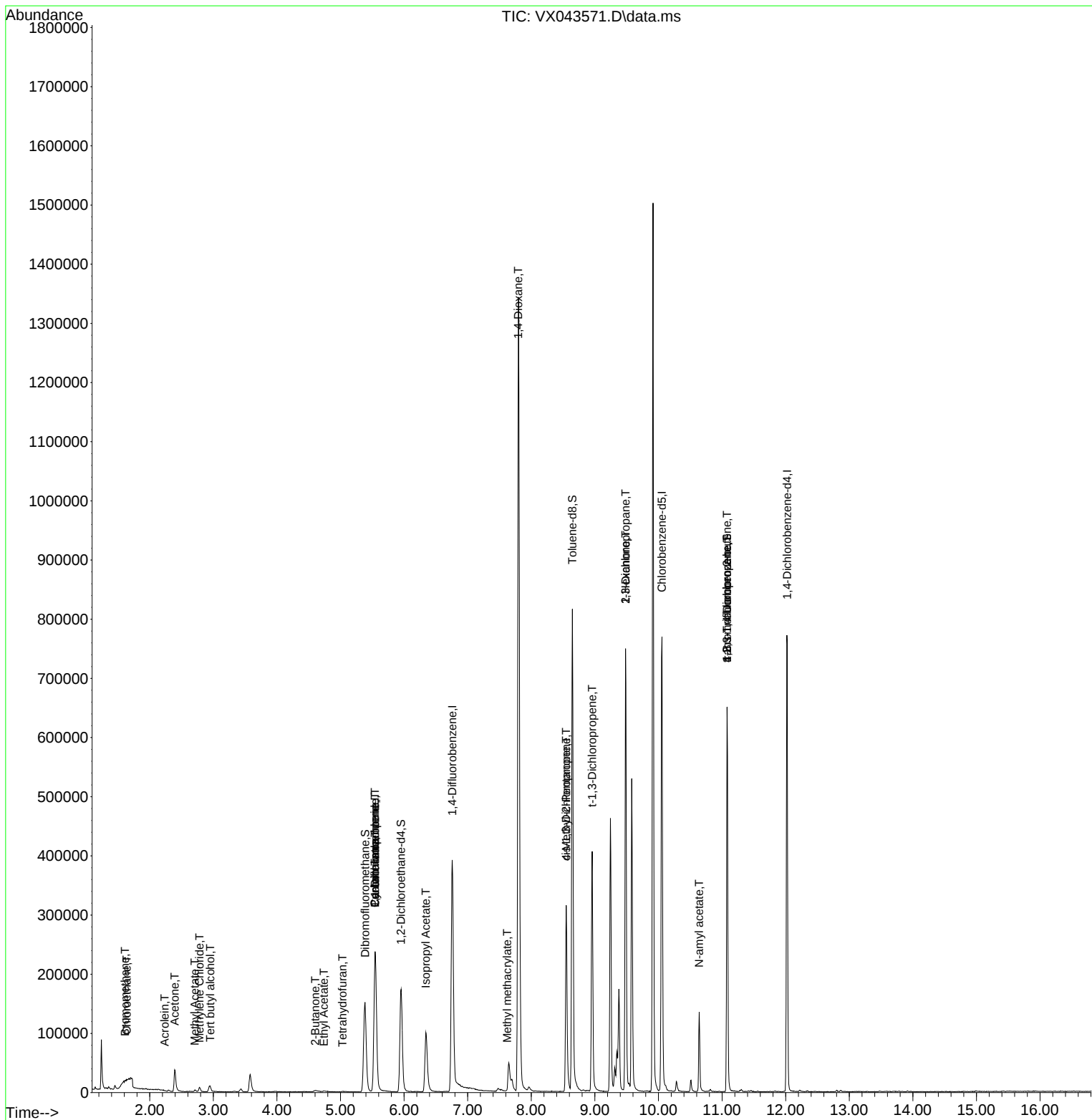
Quant Time: Oct 29 03:28:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

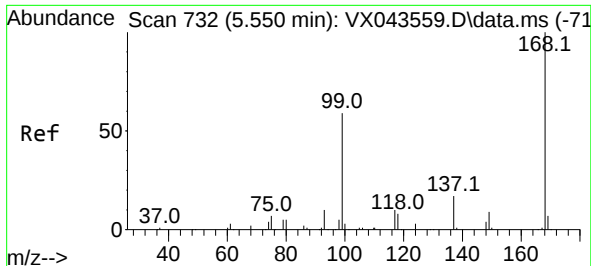
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	225140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	427240	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	369828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	169154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	171560	47.790	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.580%		
35) Dibromofluoromethane	5.385	113	134884	46.558	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.120%		
50) Toluene-d8	8.647	98	502872	50.143	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.280%		
62) 4-Bromofluorobenzene	11.079	95	178633	48.069	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.140%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	359	0.308	ug/l #	39
6) Chloroethane	1.636	64	449	0.446	ug/l #	54
11) Tert butyl alcohol	2.953	59	6598	9.847	ug/l #	100
13) Acrolein	2.233	56	211	0.403	ug/l #	8
16) Acetone	2.392	43	47258	33.150	ug/l	98
18) Methyl Acetate	2.709	43	4048	0.972	ug/l	92
20) Methylene Chloride	2.782	84	3804	1.238	ug/l	98
25) 2-Butanone	4.605	43	4315	2.075	ug/l	93
29) Tetrahydrofuran	5.032	42	417	0.309	ug/l #	72
31) Cyclohexane	5.544	56	5069	1.337	ug/l #	12
36) 1,1-Dichloropropene	5.544	75	17949	5.225	ug/l #	49
37) Ethyl Acetate	4.739	43	2688	0.645	ug/l #	93
38) Carbon Tetrachloride	5.544	117	23654	6.232	ug/l #	15
43) Isopropyl Acetate	6.342	43	151271	21.932	ug/l	99
48) Methyl methacrylate	7.623	41	3822	1.169	ug/l #	13
49) 1,4-Dioxane	7.793	88	141	2.099	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	117630	27.982	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	1098	0.268	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	55142	12.642	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	7226	1.502	ug/l #	42
59) 2-Hexanone	9.482	43	95453	29.896	ug/l #	51
74) N-amyl acetate	10.640	43	32472	5.563	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	91084	25.184	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	91084	69.282	ug/l #	7

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

Quant Time: Oct 29 03:28:14 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

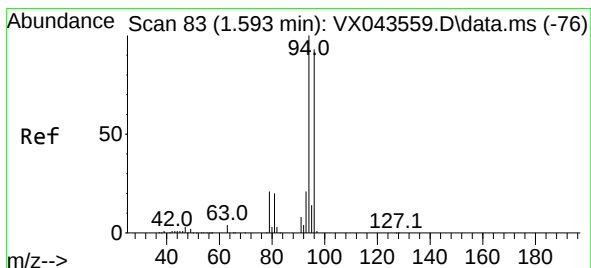
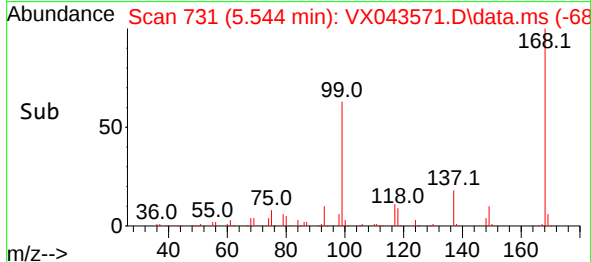
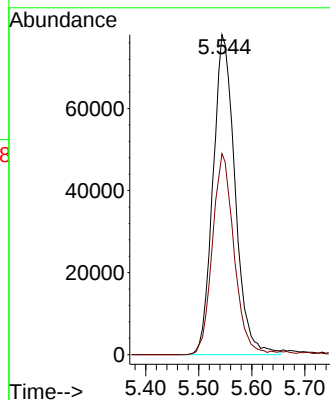
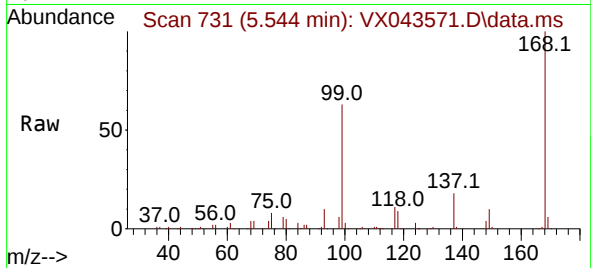




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

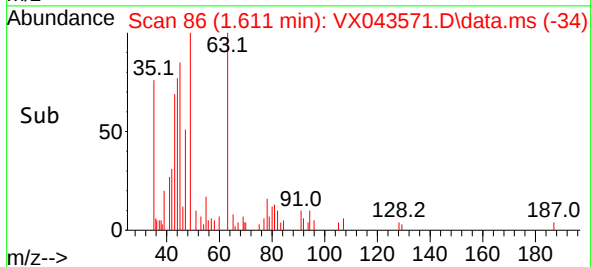
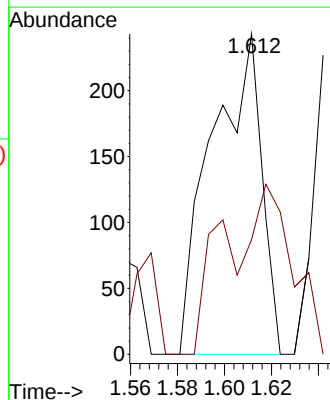
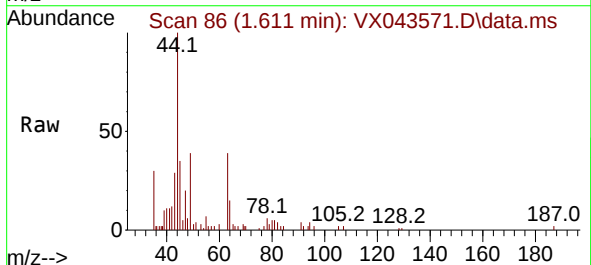
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#03

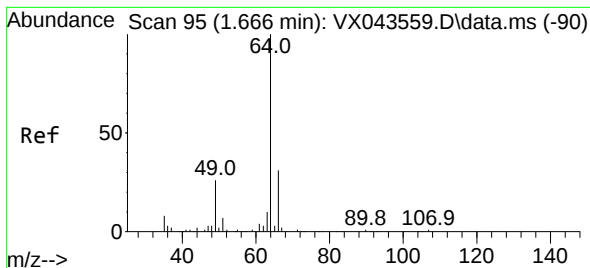
Tgt Ion:168 Resp: 225140
Ion Ratio Lower Upper
168 100
99 62.8 52.6 78.8



#5
Bromomethane
Concen: 0.308 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.018 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

Tgt Ion: 94 Resp: 359
Ion Ratio Lower Upper
94 100
96 35.8 75.9 113.9#

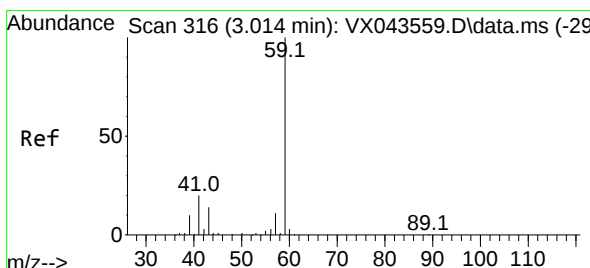
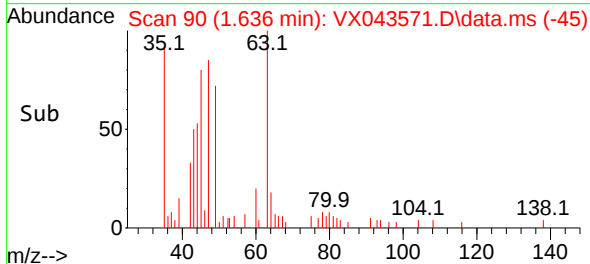
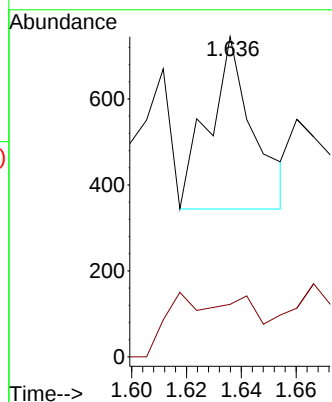
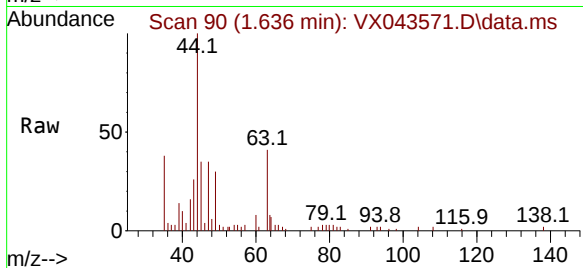




#6
Chloroethane
Concen: 0.446 ug/l
RT: 1.636 min Scan# 90
Delta R.T. -0.024 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

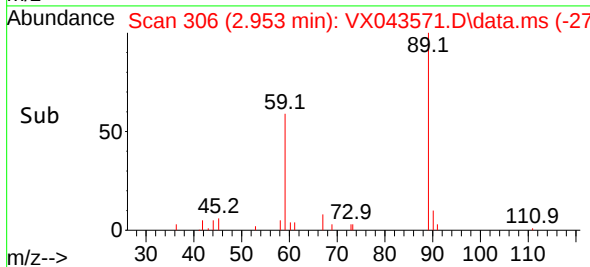
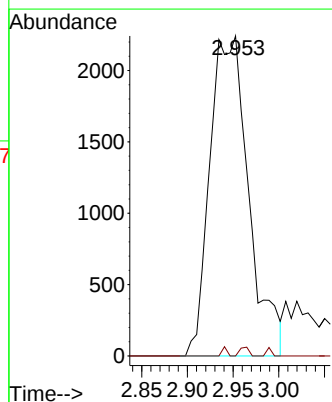
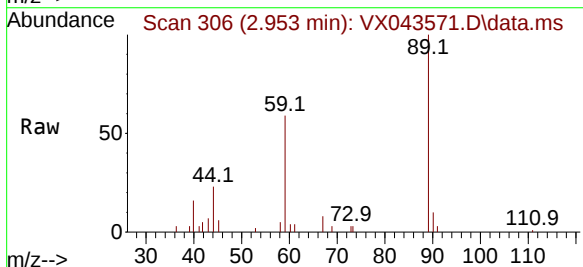
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ClientSampleId :
PB164394ZHE#03

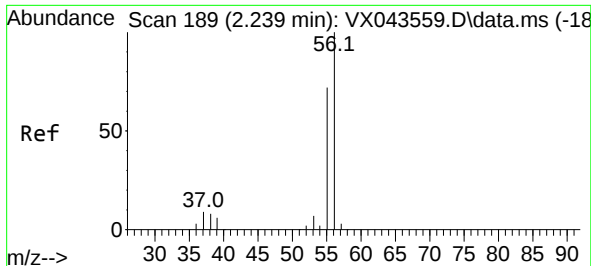
Tgt Ion: 64 Resp: 449
Ion Ratio Lower Upper
64 100
66 6.2 25.1 37.7#



#11
Tert butyl alcohol
Concen: 9.847 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.097 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

Tgt Ion: 59 Resp: 6598
Ion Ratio Lower Upper
59 100
57 0.7 0.0 0.0#

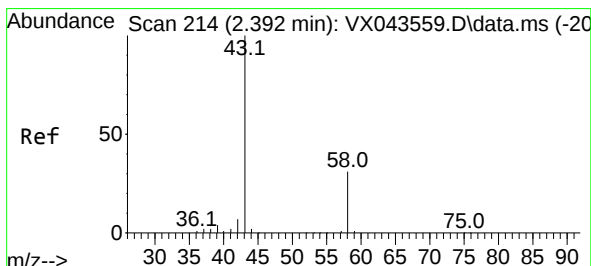
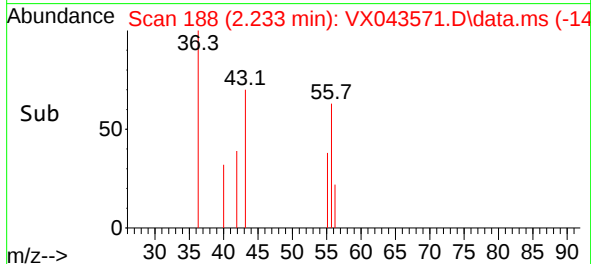
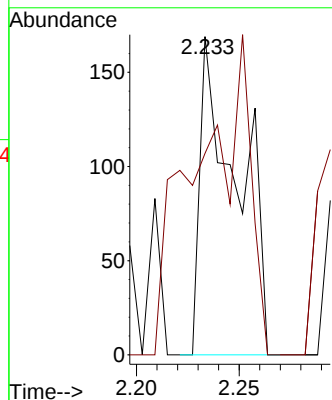
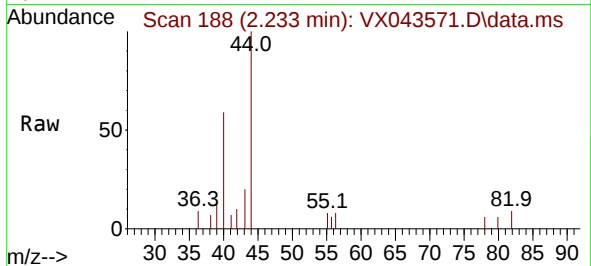




#13
Acrolein
Concen: 0.403 ug/l
RT: 2.233 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

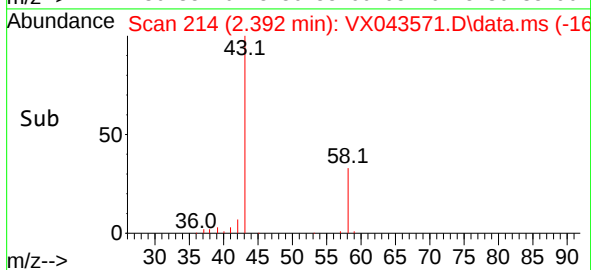
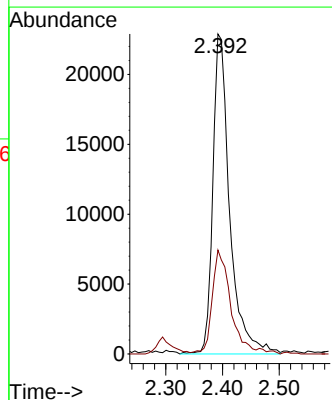
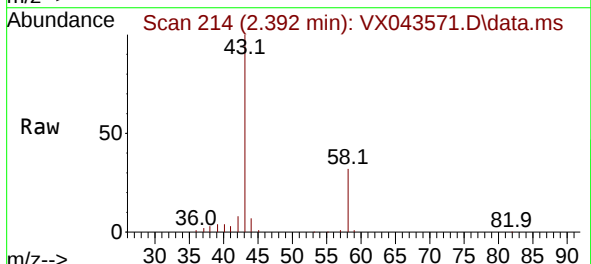
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#03

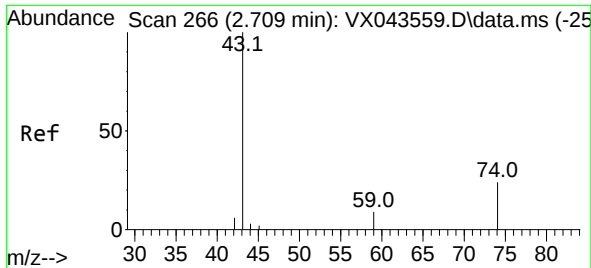
Tgt Ion: 56 Resp: 211
Ion Ratio Lower Upper
56 100
55 144.1 55.3 82.9#



#16
Acetone
Concen: 33.150 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

Tgt Ion: 43 Resp: 47258
Ion Ratio Lower Upper
43 100
58 32.4 25.1 37.7

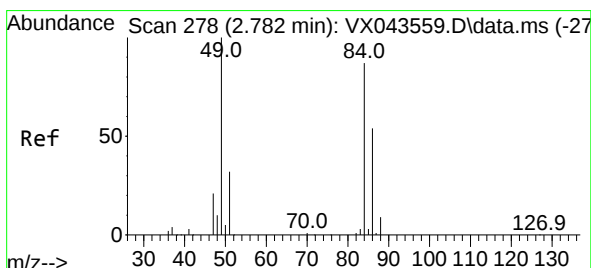
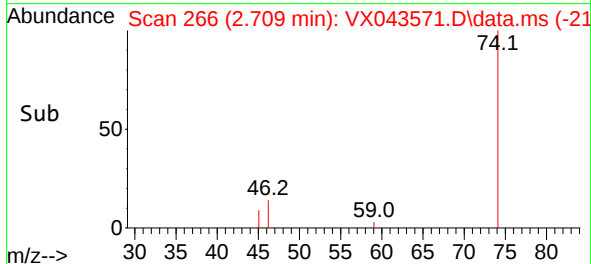
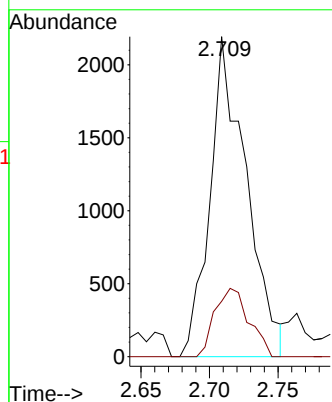
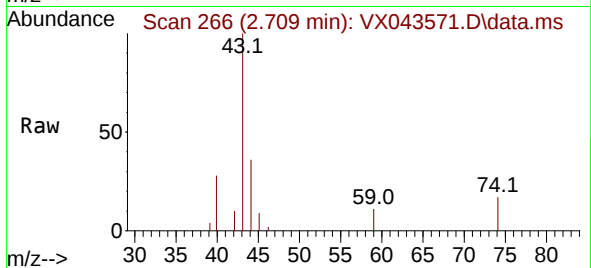




#18
Methyl Acetate
Concen: 0.972 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

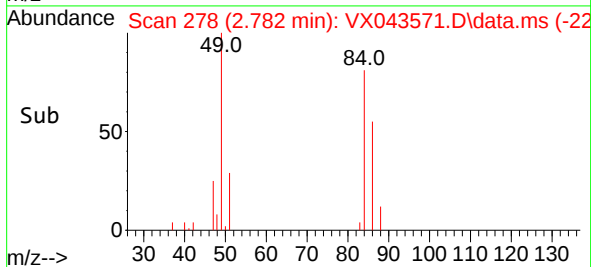
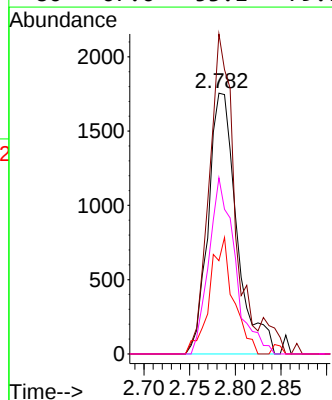
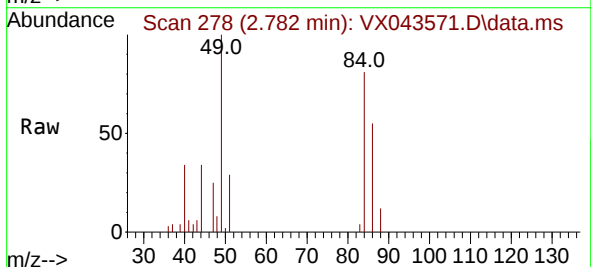
Instrument :
MSVOA_X
ClientSampleId :
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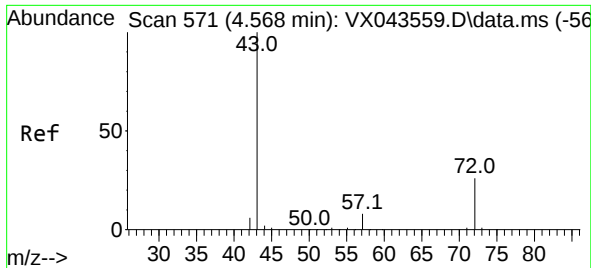
Tgt Ion: 43 Resp: 4048
Ion Ratio Lower Upper
43 100
74 20.1 19.1 28.7



#20
Methylene Chloride
Concen: 1.238 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

Tgt Ion: 84 Resp: 3804
Ion Ratio Lower Upper
84 100
49 122.7 97.0 145.6
51 35.8 29.8 44.8
86 67.6 53.1 79.7

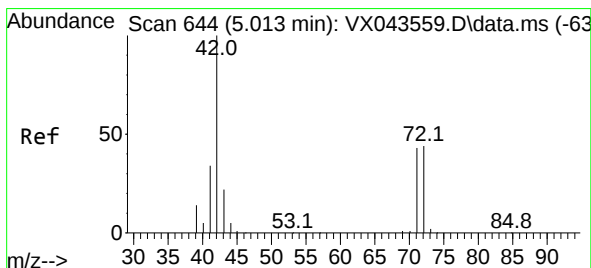
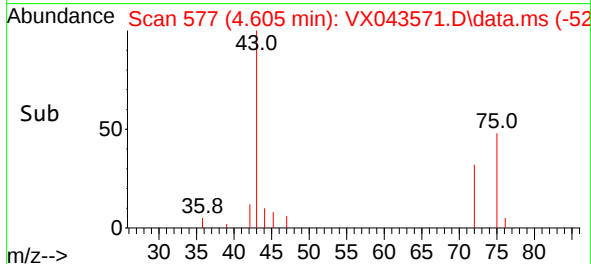
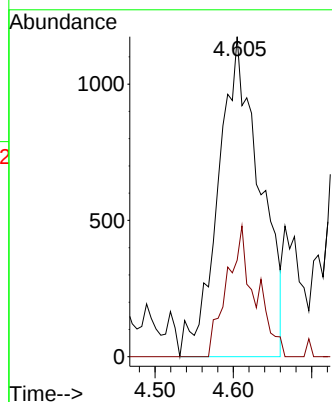
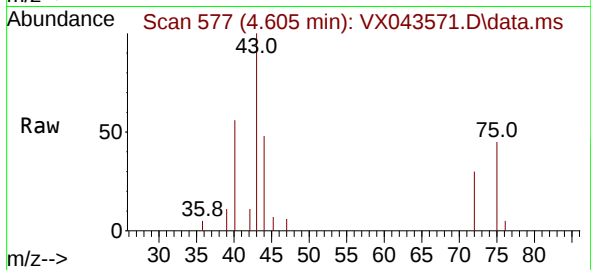




#25
2-Butanone
Concen: 2.075 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

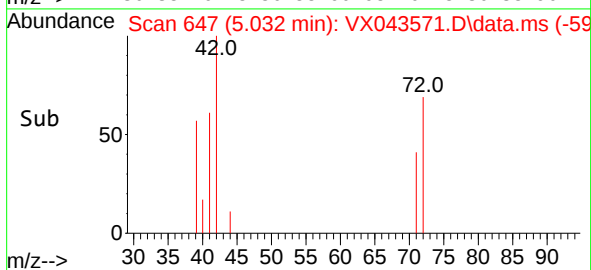
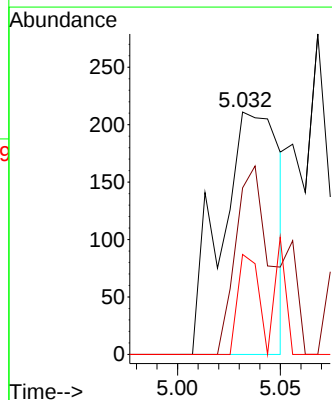
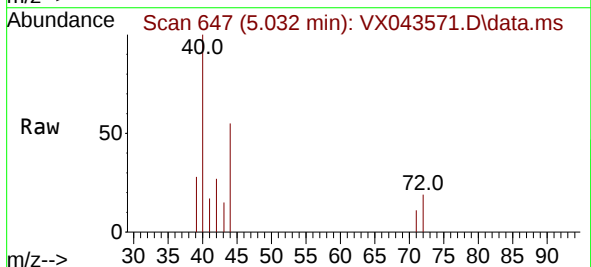
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ClientSampleId :
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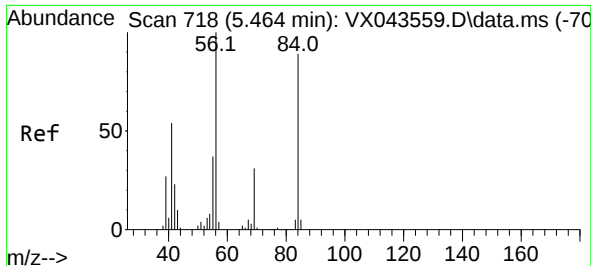
Tgt Ion: 43 Resp: 4315
Ion Ratio Lower Upper
43 100
72 30.2 21.1 31.7



#29
Tetrahydrofuran
Concen: 0.309 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.018 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

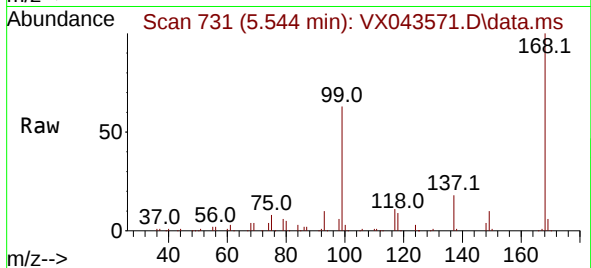
Tgt Ion: 42 Resp: 417
Ion Ratio Lower Upper
42 100
72 54.2 36.6 55.0
71 14.6 34.2 51.4#



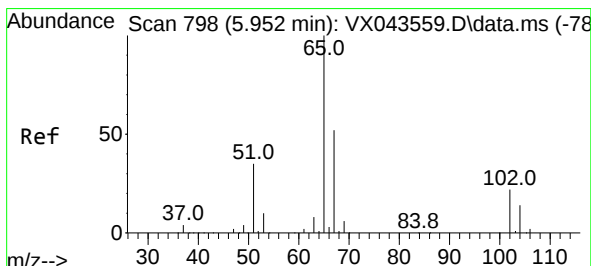
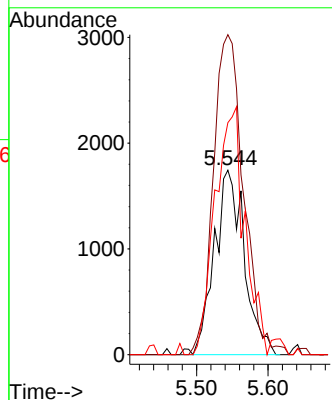
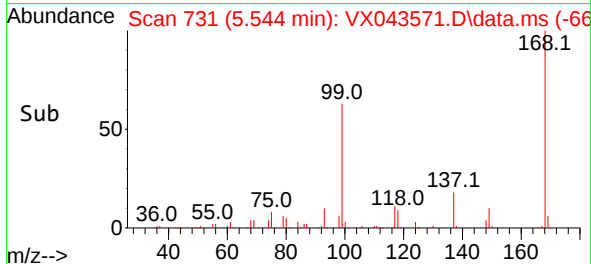


#31
Cyclohexane
Concen: 1.337 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

Instrument :
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ClientSampleId :
PB164394ZHE#03

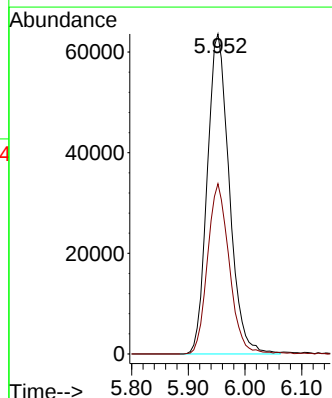
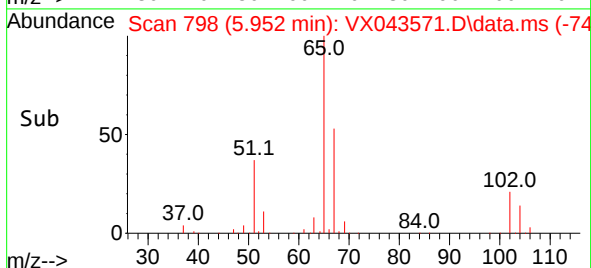
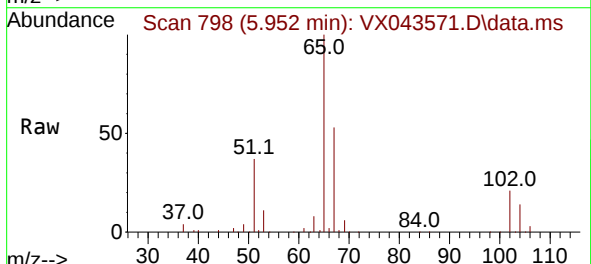


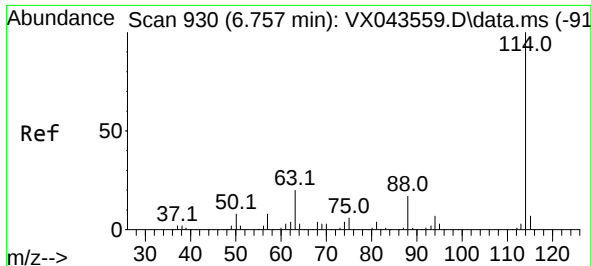
Tgt Ion: 56 Resp: 5069
Ion Ratio Lower Upper
56 100
69 173.5 24.9 37.3#
84 119.8 73.3 109.9#



#33
1,2-Dichloroethane-d4
Concen: 47.790 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

Tgt Ion: 65 Resp: 171560
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4

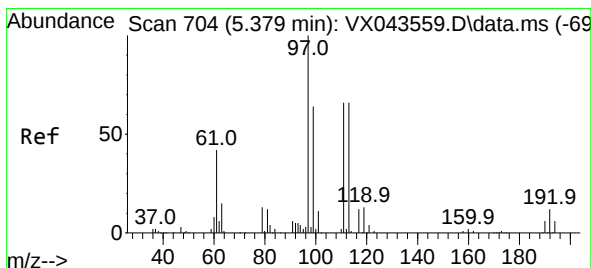
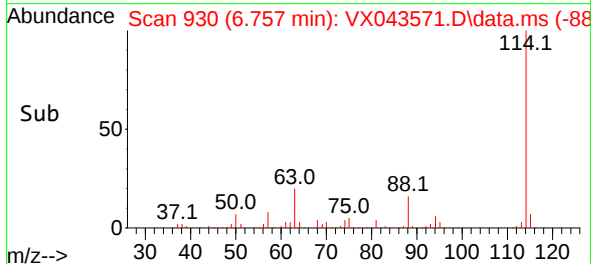
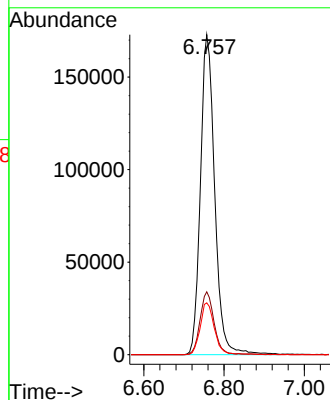
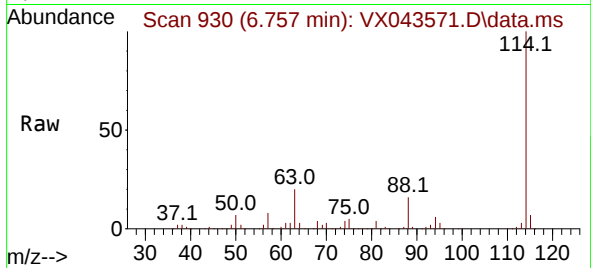




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

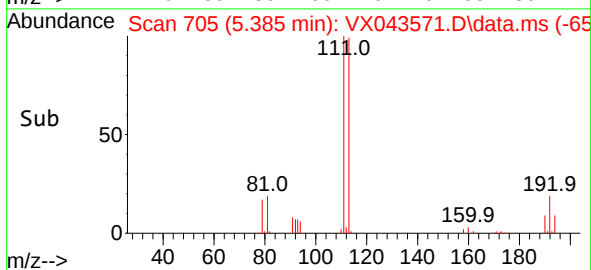
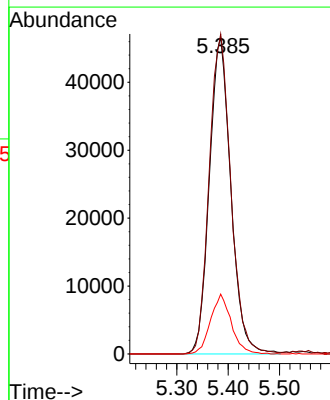
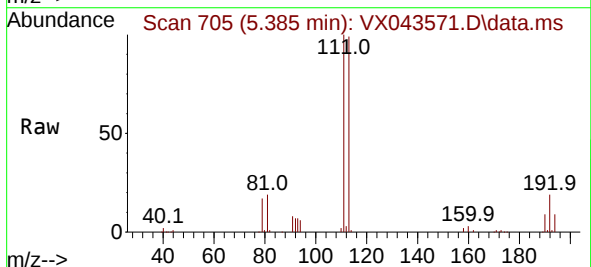
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#03

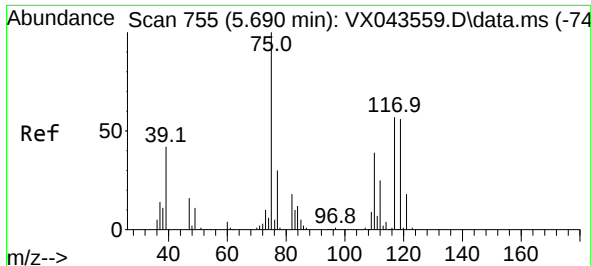
Tgt Ion:114 Resp: 427240
Ion Ratio Lower Upper
114 100
63 19.6 0.0 41.2
88 16.2 0.0 34.0



#35
Dibromofluoromethane
Concen: 46.558 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

Tgt Ion:113 Resp: 134884
Ion Ratio Lower Upper
113 100
111 102.3 81.4 122.0
192 18.3 14.1 21.1

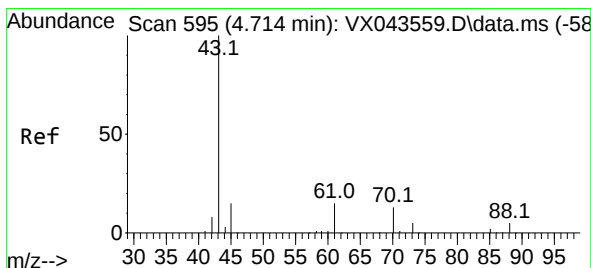
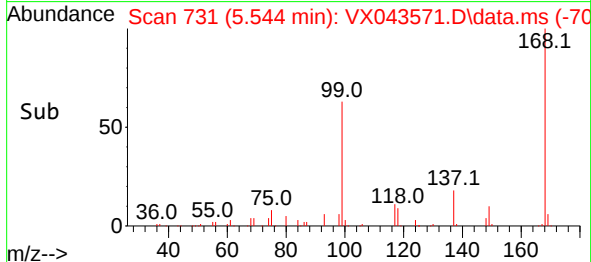
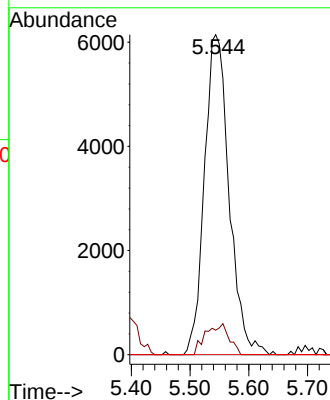
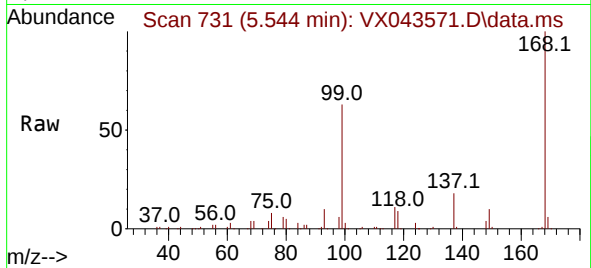




#36
1,1-Dichloropropene
Concen: 5.225 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

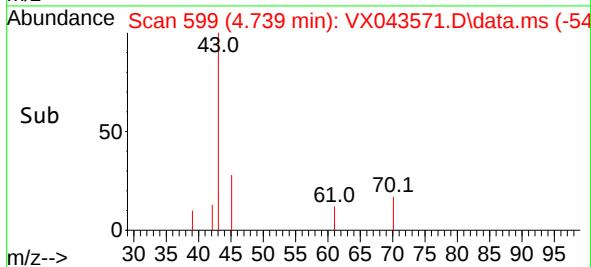
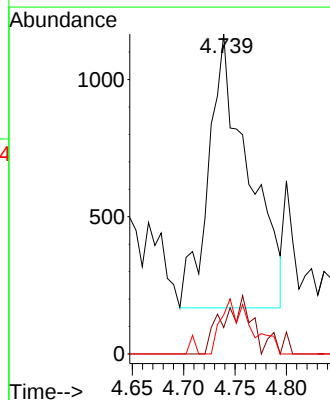
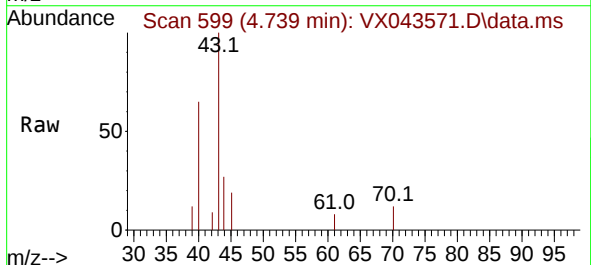
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#03

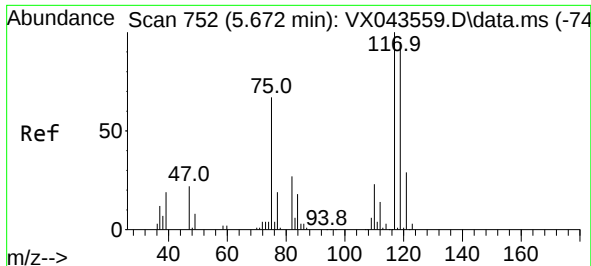
Tgt Ion: 75 Resp: 17949
Ion Ratio Lower Upper
75 100
110 9.2 17.9 53.7#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.645 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.018 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

Tgt Ion: 43 Resp: 2688
Ion Ratio Lower Upper
43 100
61 15.4 11.0 16.6
70 15.1 8.9 13.3#

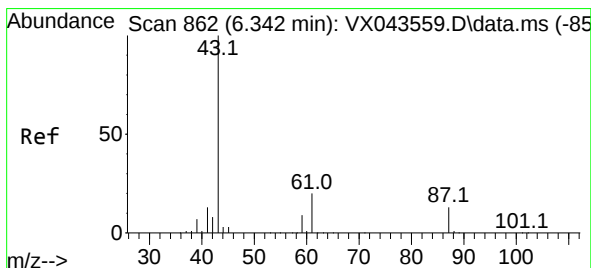
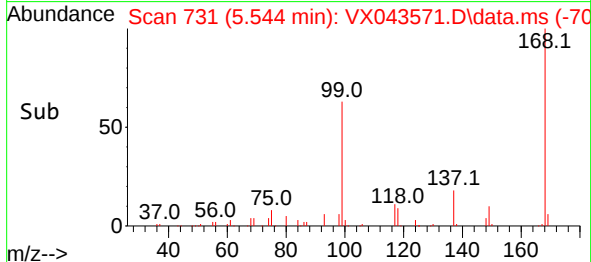
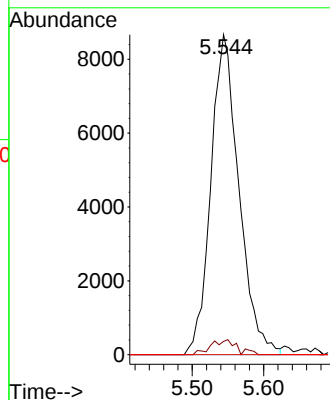
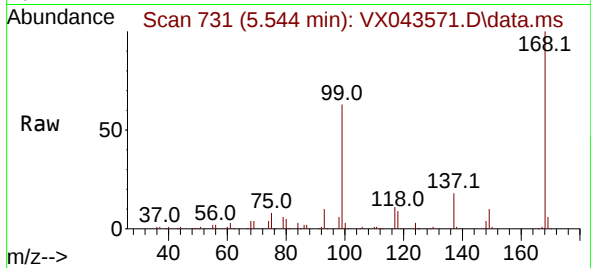




#38
Carbon Tetrachloride
Concen: 6.232 ug/l
RT: 5.544 min Scan# 752
Delta R.T. -0.128 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

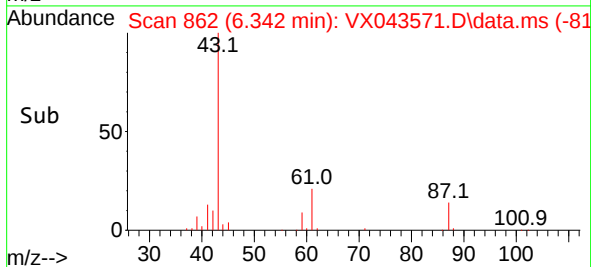
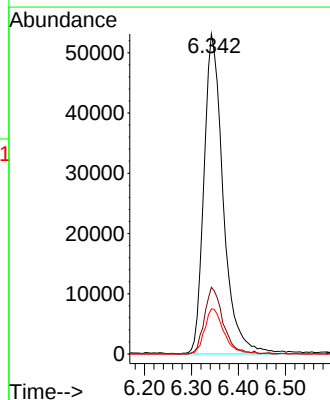
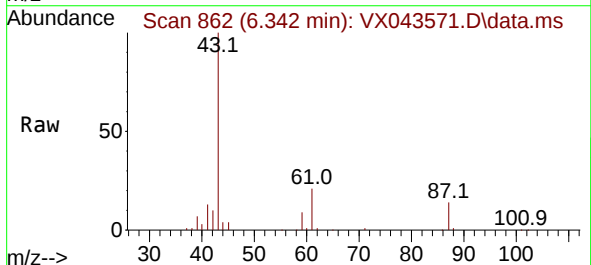
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#03

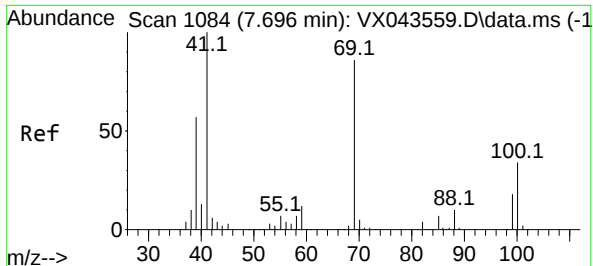
Tgt Ion:117 Resp: 23654
Ion Ratio Lower Upper
117 100
119 4.2 77.0 115.6#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 21.932 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

Tgt Ion: 43 Resp: 151271
Ion Ratio Lower Upper
43 100
61 20.1 16.2 24.4
87 14.1 11.0 16.6





#48

Methyl methacrylate

Concen: 1.169 ug/l

RT: 7.623 min Scan# 1100

Delta R.T. -0.073 min

Lab File: VX043571.D

Acq: 28 Oct 2024 18:24

Instrument :

MSVOA_X

ClientSampleId :

PB164394ZHE#03

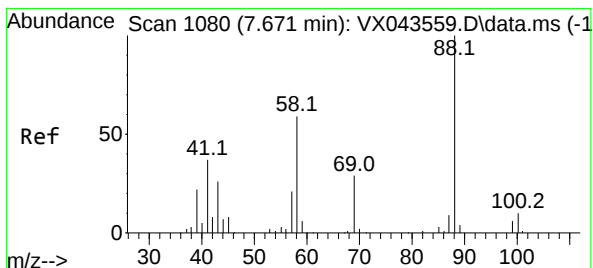
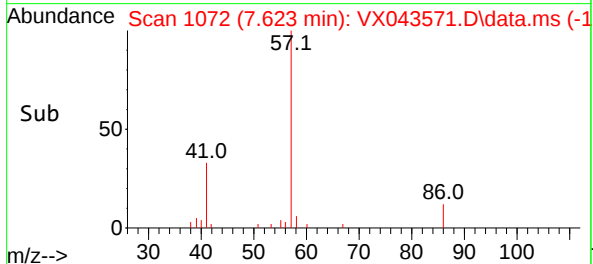
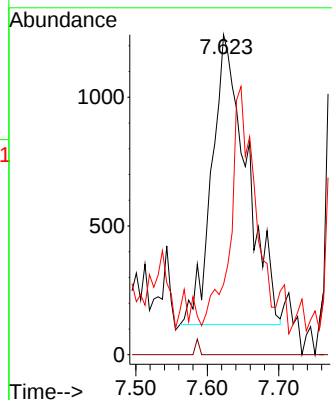
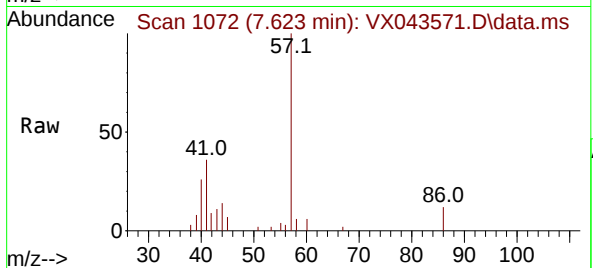
Tgt Ion: 41 Resp: 3822

Ion Ratio Lower Upper

41 100

69 0.0 67.7 101.5#

39 0.0 46.3 69.5#



#49

1,4-Dioxane

Concen: 2.099 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.122 min

Lab File: VX043571.D

Acq: 28 Oct 2024 18:24

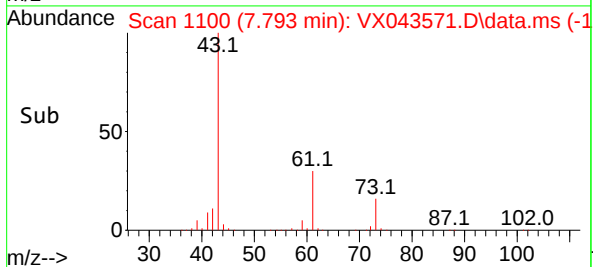
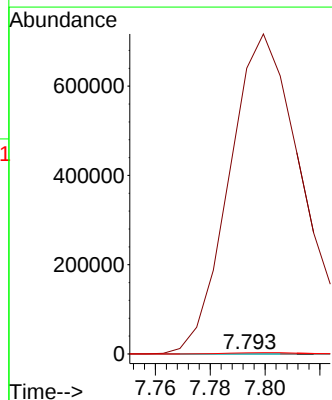
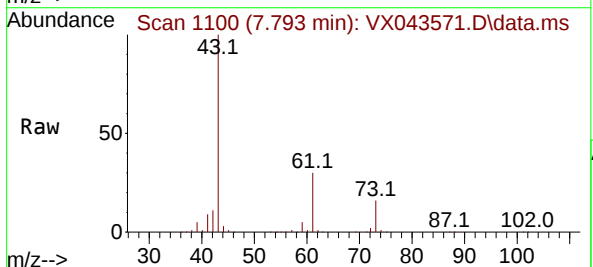
Tgt Ion: 88 Resp: 141

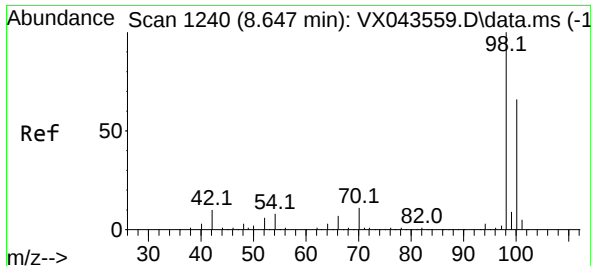
Ion Ratio Lower Upper

88 100

43 973777.3 25.3 37.9#

58 4269.5 53.9 80.9#

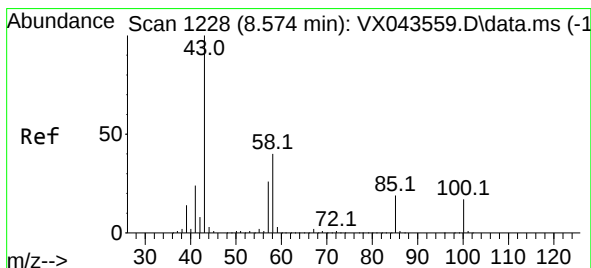
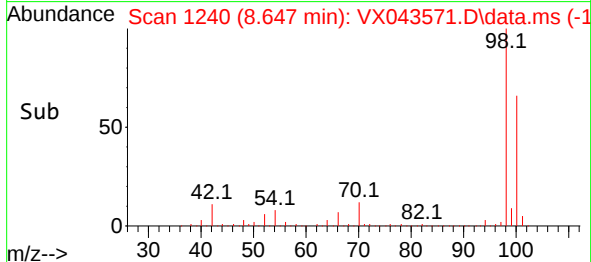
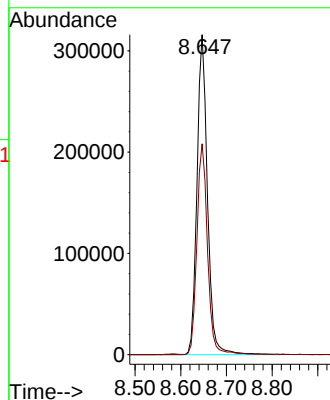
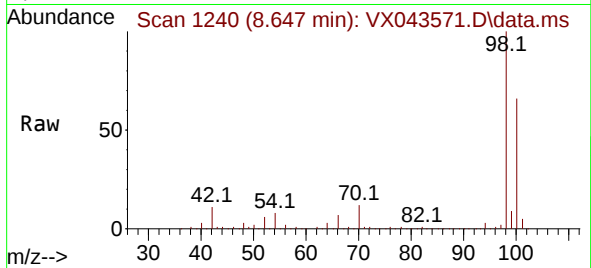




#50
Toluene-d8
Concen: 50.143 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

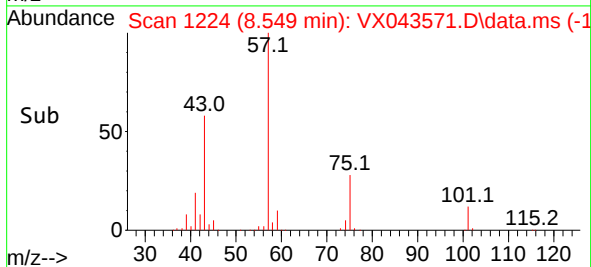
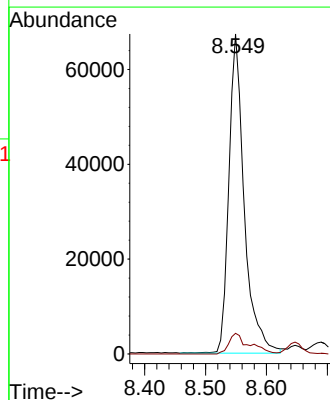
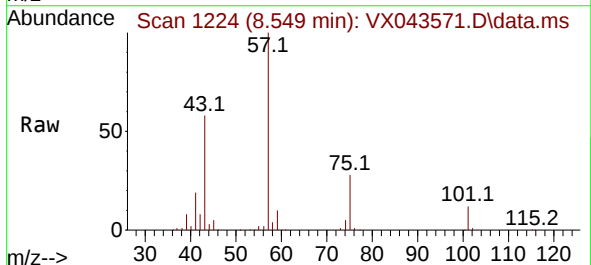
Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#03

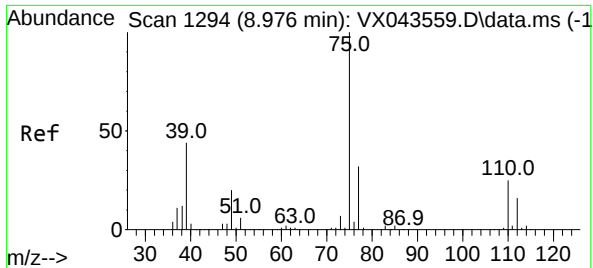
Tgt Ion: 98 Resp: 502872
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 27.982 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

Tgt Ion: 43 Resp: 117630
Ion Ratio Lower Upper
43 100
58 8.6 31.7 47.5#

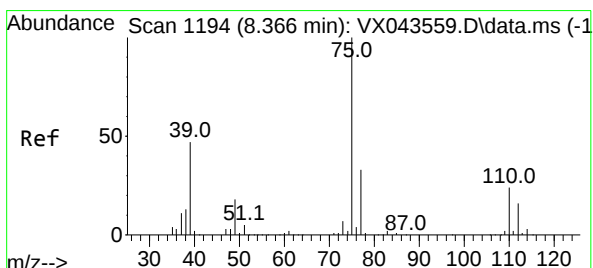
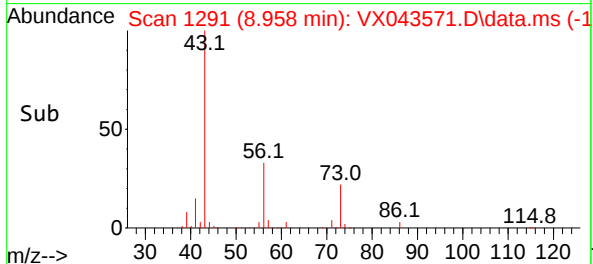
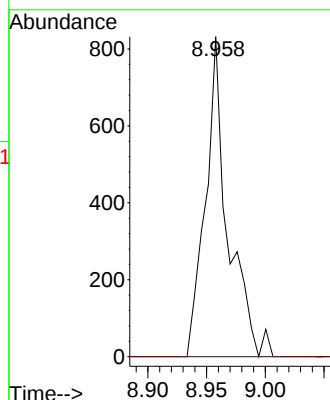
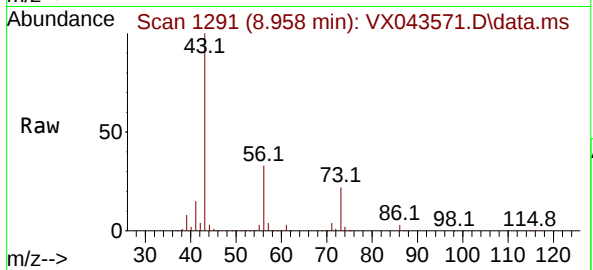




#53
 t-1,3-Dichloropropene
 Concen: 0.268 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX043571.D
 Acq: 28 Oct 2024 18:24

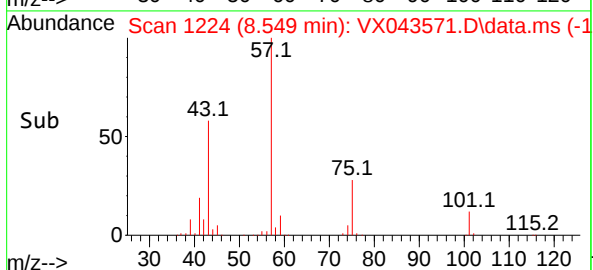
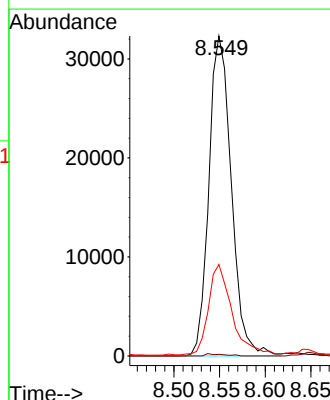
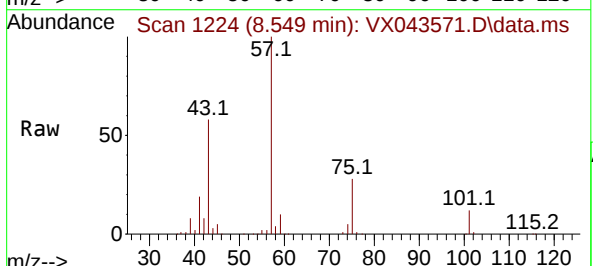
Instrument :
 MSVOA_X
 ClientSampleId :
 PB164394ZHE#03

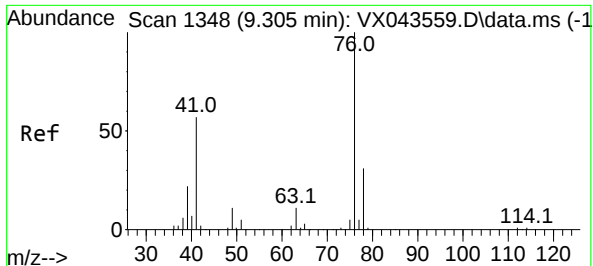
Tgt Ion: 75 Resp: 1098
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.0 39.0#



#54
 cis-1,3-Dichloropropene
 Concen: 12.642 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX043571.D
 Acq: 28 Oct 2024 18:24

Tgt Ion: 75 Resp: 55142
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 28.2 37.7 56.5#





#57

1,3-Dichloropropane

Concen: 1.502 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043571.D

Acq: 28 Oct 2024 18:24

Instrument :

MSVOA_X

ClientSampleId :

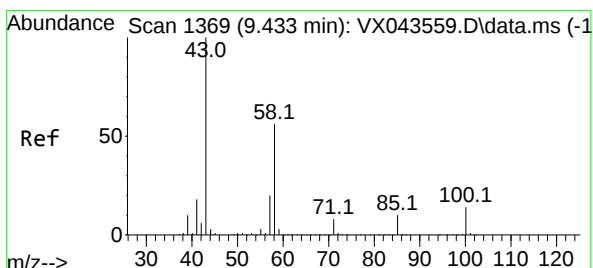
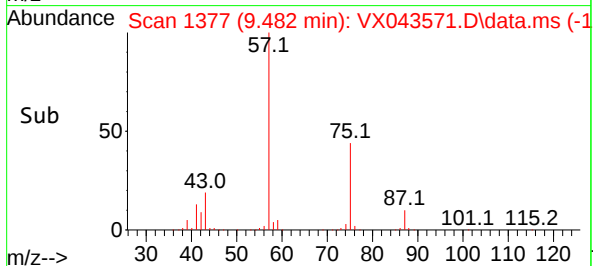
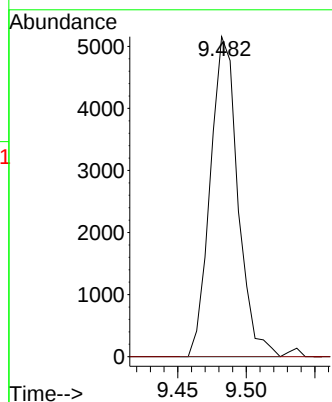
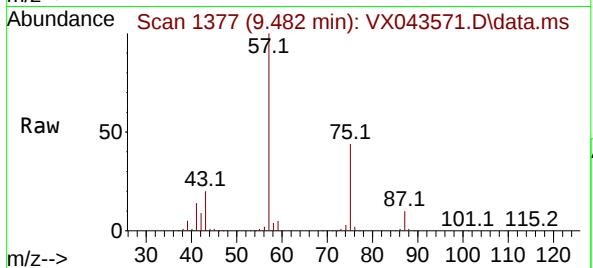
PB164394ZHE#03

Tgt Ion: 76 Resp: 7226

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 29.896 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043571.D

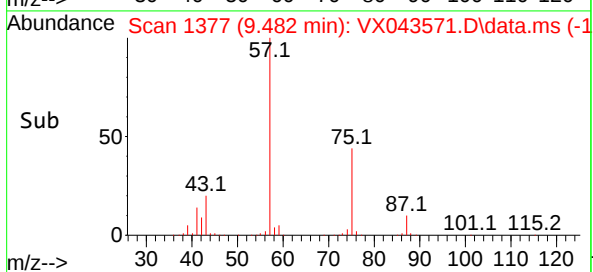
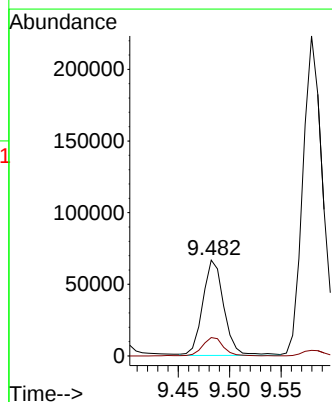
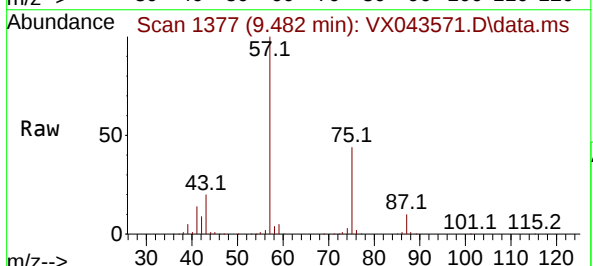
Acq: 28 Oct 2024 18:24

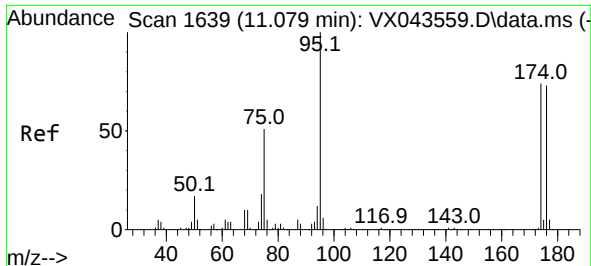
Tgt Ion: 43 Resp: 95453

Ion Ratio Lower Upper

43 100

58 19.7 27.5 82.5#





#62

4-Bromofluorobenzene

Concen: 48.069 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043571.D

Acq: 28 Oct 2024 18:24

Instrument :

MSVOA_X

ClientSampleId :

PB164394ZHE#03

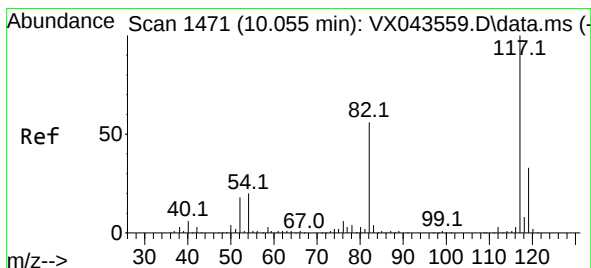
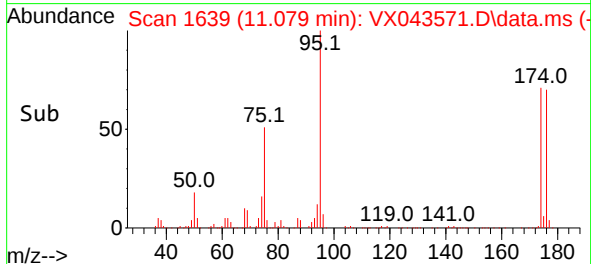
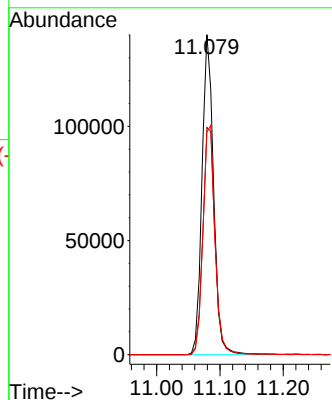
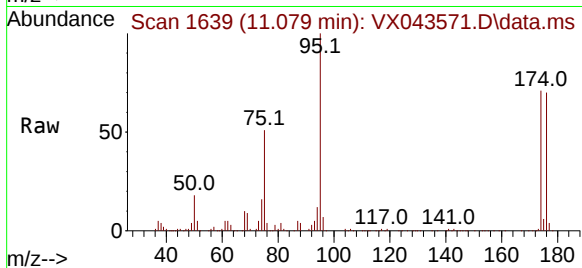
Tgt Ion: 95 Resp: 178633

Ion Ratio Lower Upper

95 100

174 75.1 0.0 146.6

176 73.9 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: VX043571.D

Acq: 28 Oct 2024 18:24

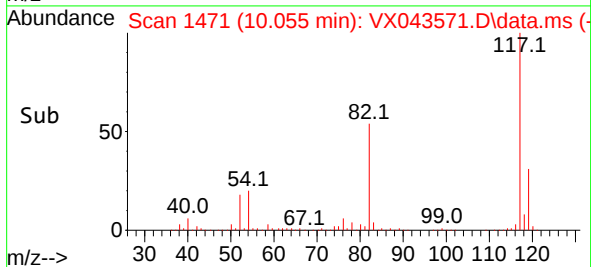
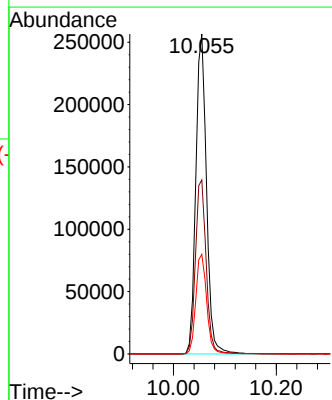
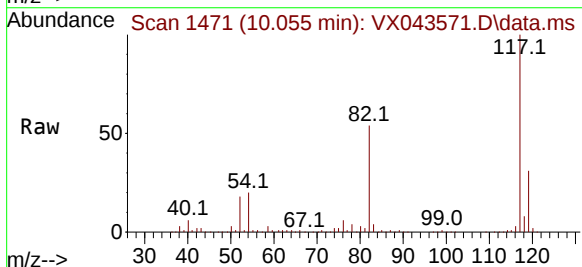
Tgt Ion: 117 Resp: 369828

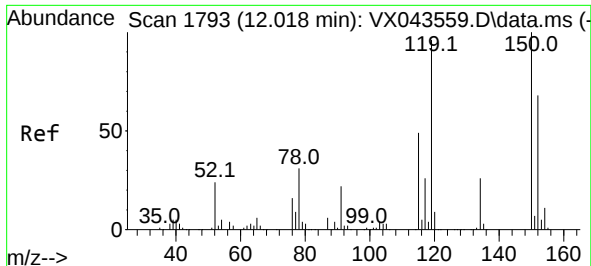
Ion Ratio Lower Upper

117 100

82 54.4 42.1 63.1

119 31.1 25.4 38.2

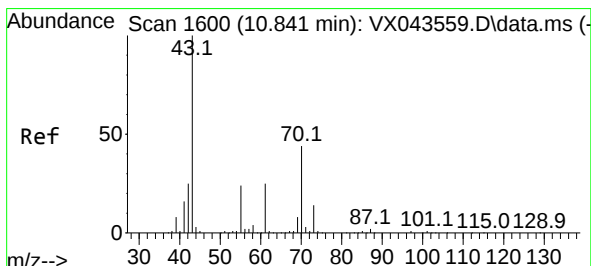
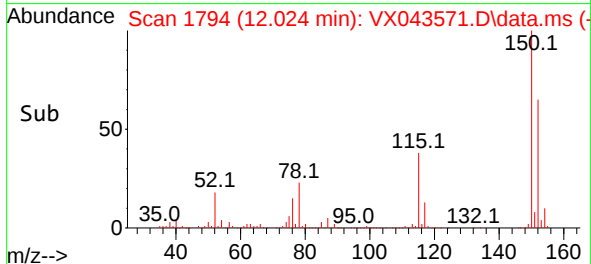
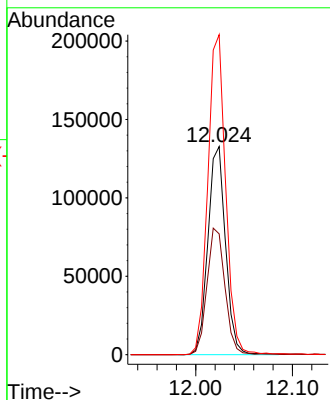
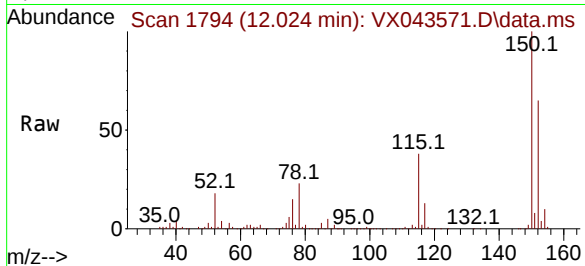




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX043571.D
 Acq: 28 Oct 2024 18:24

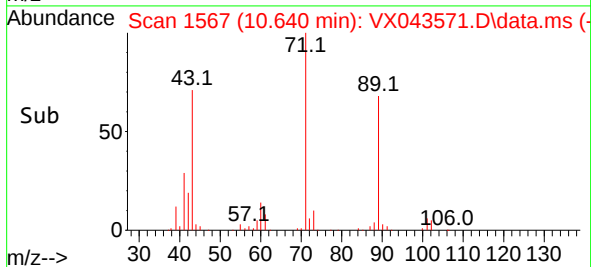
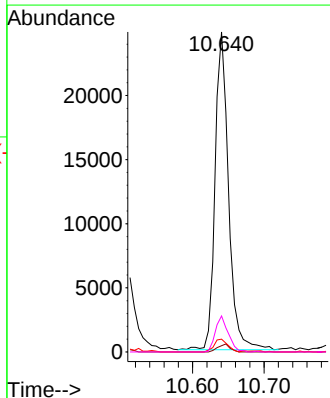
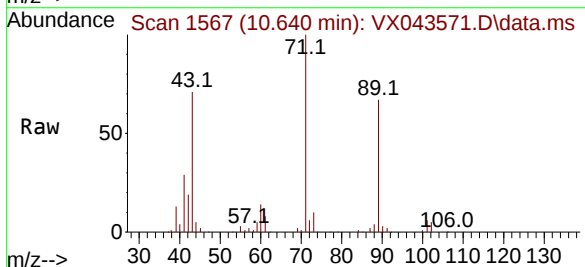
Instrument :
 MSVOA_X
 ClientSampleId :
 PB164394ZHE#03

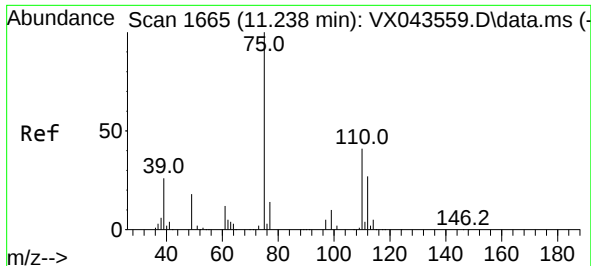
Tgt Ion:152 Resp: 169154
 Ion Ratio Lower Upper
 152 100
 115 62.0 42.9 128.7
 150 155.7 0.0 343.6



#74
 N-ethyl acetate
 Concen: 5.563 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.201 min
 Lab File: VX043571.D
 Acq: 28 Oct 2024 18:24

Tgt Ion: 43 Resp: 32472
 Ion Ratio Lower Upper
 43 100
 70 2.2 34.6 52.0#
 55 4.0 19.6 29.4#
 61 10.8 20.2 30.2#

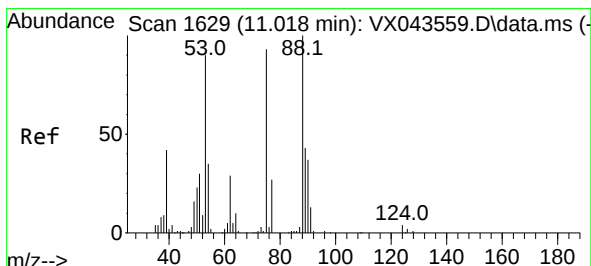
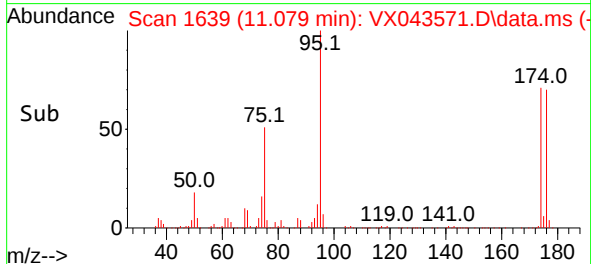
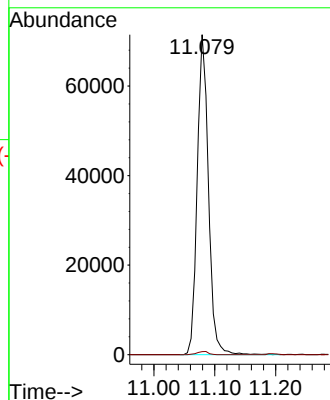
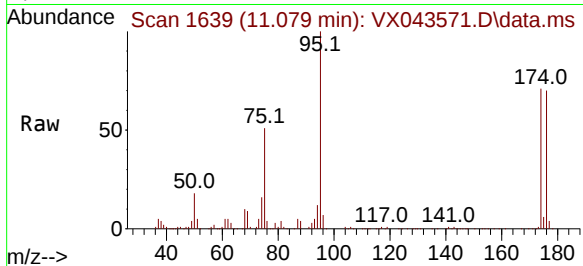




#76
1,2,3-Trichloropropane
Concen: 25.184 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

Instrument :
MSVOA_X
ClientSampleId :
PB164394ZHE#03

Tgt Ion: 75 Resp: 91084
Ion Ratio Lower Upper
75 100
77 1.0 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.282 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043571.D
Acq: 28 Oct 2024 18:24

Tgt Ion: 75 Resp: 91084
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.0 38.6 58.0#

