

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041625\
 Data File : VX045803.D
 Acq On : 16 Apr 2025 13:25
 Operator : JC/MD
 Sample : PB167604ZHE#61
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167604ZHE#61

Quant Time: Apr 17 01:36:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

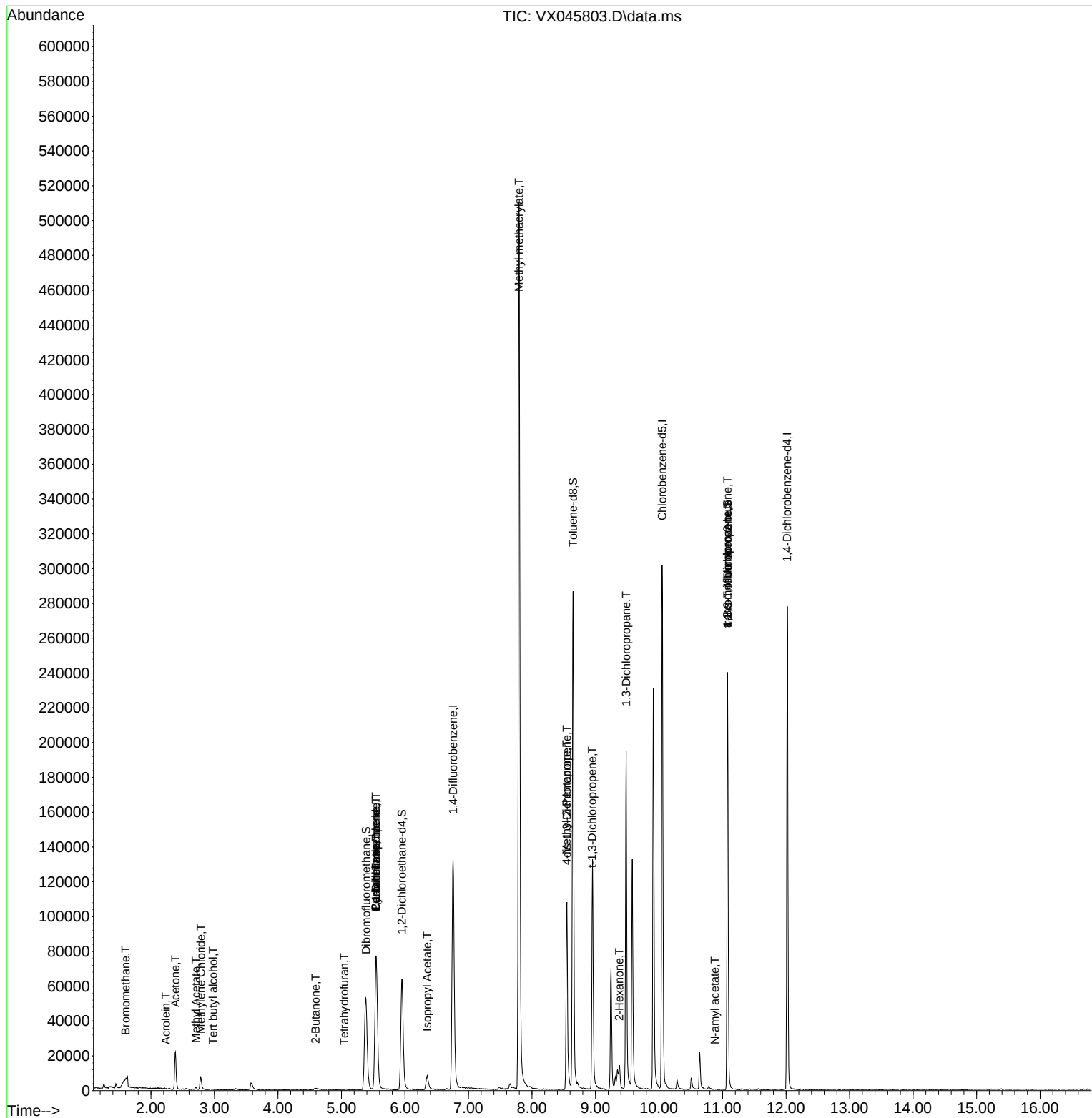
Internal Standards						
1) Pentafluorobenzene	5.544	168	65137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128996	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122046	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51585	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65294	54.814	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.620%			
35) Dibromofluoromethane	5.385	113	47079	51.440	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.880%			
50) Toluene-d8	8.647	98	163300	51.119	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.240%			
62) 4-Bromofluorobenzene	11.079	95	62702	53.886	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.780%			
Target Compounds					Qvalue	
5) Bromomethane	1.599	94	122	0.281	ug/l #	48
11) Tert butyl alcohol	2.977	59	191	1.193	ug/l #	72
13) Acrolein	2.233	56	60	0.272	ug/l #	15
16) Acetone	2.386	43	23912	48.886	ug/l	95
18) Methyl Acetate	2.709	43	2017	1.791	ug/l #	90
20) Methylene Chloride	2.788	84	3288	3.591	ug/l #	93
25) 2-Butanone	4.593	43	2603	3.636	ug/l	91
29) Tetrahydrofuran	5.044	42	267	0.575	ug/l #	35
31) Cyclohexane	5.544	56	1934	1.324	ug/l #	36
36) 1,1-Dichloropropene	5.544	75	6565	5.313	ug/l #	49
38) Carbon Tetrachloride	5.544	117	8097	6.063	ug/l #	16
43) Isopropyl Acetate	6.348	43	11874	5.031	ug/l	98
48) Methyl methacrylate	7.793	41	51812	42.516	ug/l #	49
51) 4-Methyl-2-Pentanone	8.543	43	44021	28.134	ug/l #	52
53) t-1,3-Dichloropropene	8.946	75	247	2.459	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	16665	12.285	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	1546	0.976	ug/l #	42
59) 2-Hexanone	9.372	43	13292	11.472	ug/l #	28
74) N-amyl acetate	10.878	43	587	0.297	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	37220	29.580	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37220	100.391	ug/l #	1

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

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Response via : Initial Calibration

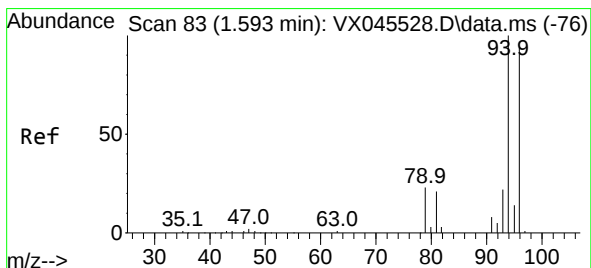
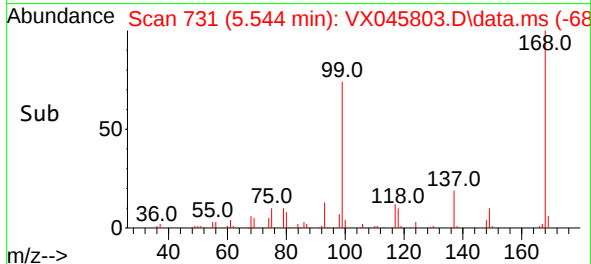
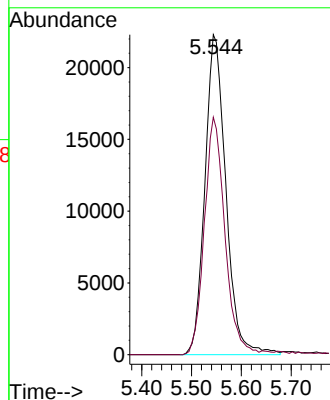
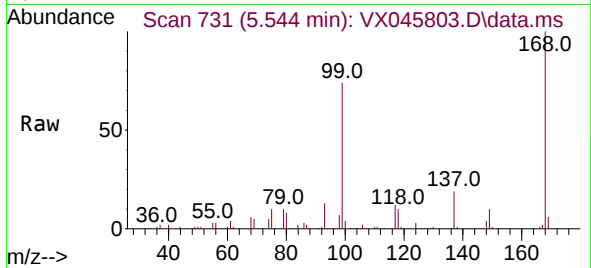




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

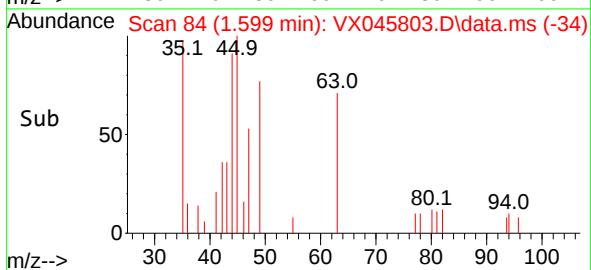
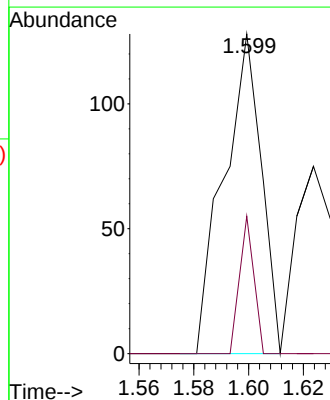
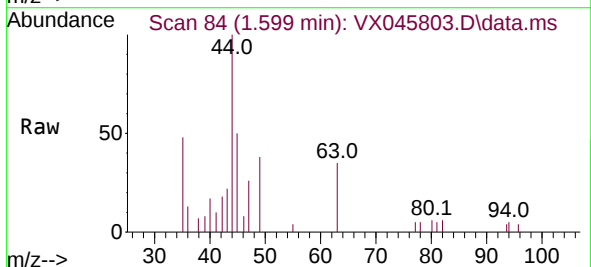
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#61

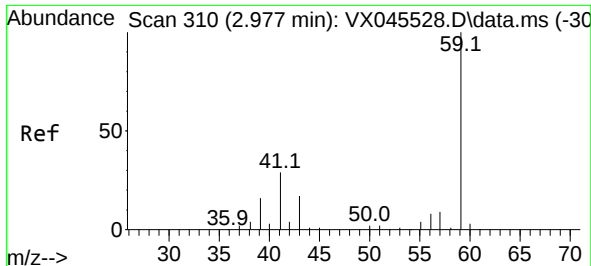
Tgt Ion:168 Resp: 65137
Ion Ratio Lower Upper
168 100
99 74.2 52.3 78.5



#5
Bromomethane
Concen: 0.281 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

Tgt Ion: 94 Resp: 122
Ion Ratio Lower Upper
94 100
96 43.0 74.8 112.2#

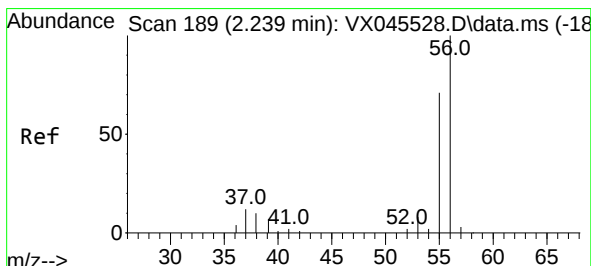
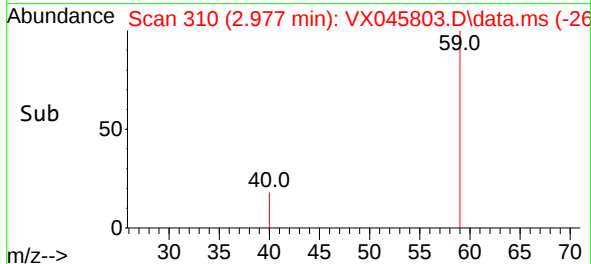
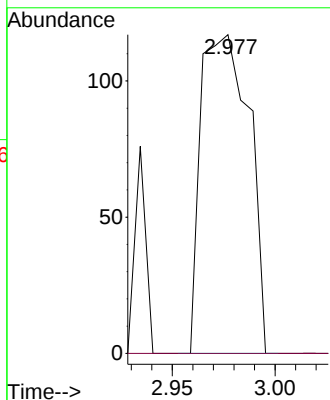
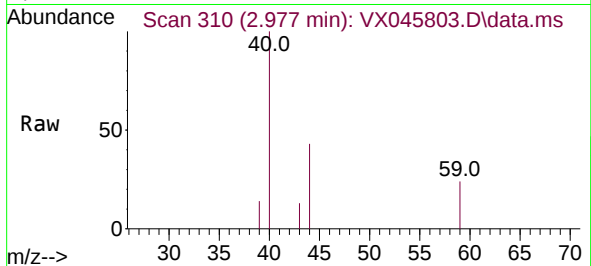




#11
Tert butyl alcohol
Concen: 1.193 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

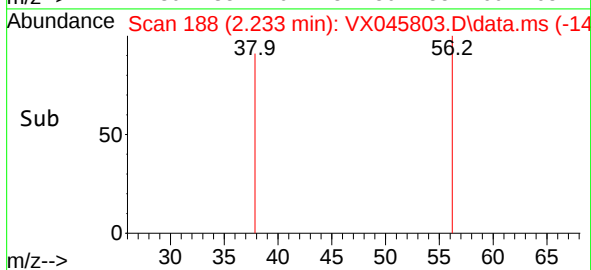
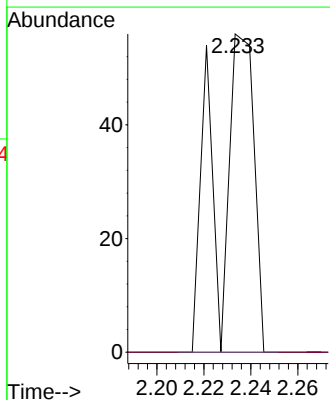
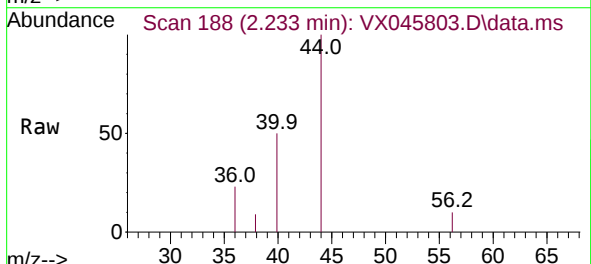
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#61

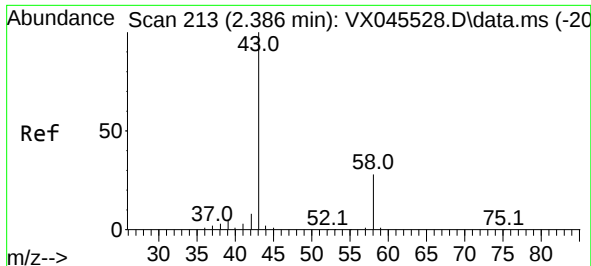
Tgt Ion: 59 Resp: 191
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.272 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#

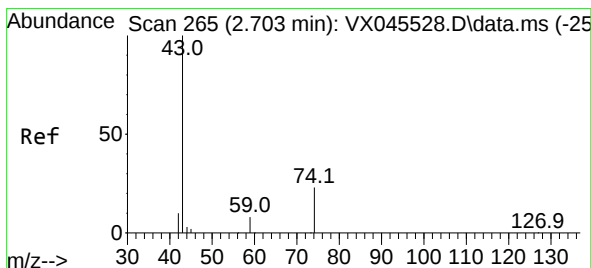
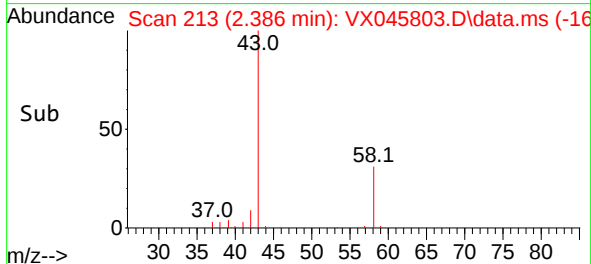
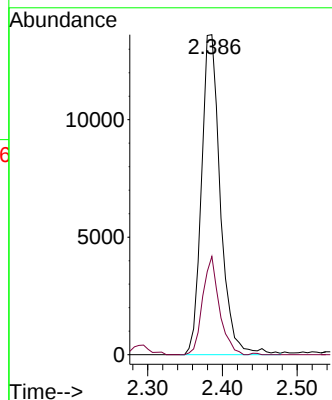
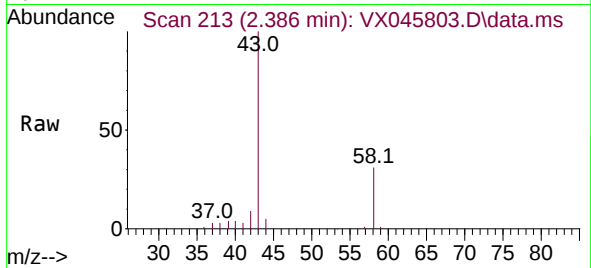




#16
Acetone
Concen: 48.886 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

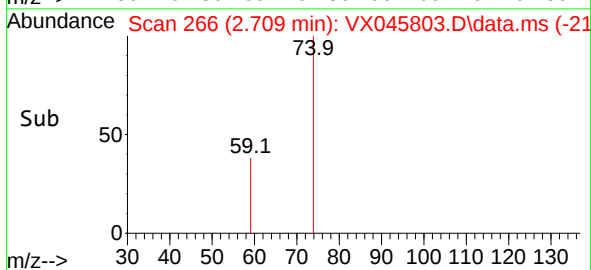
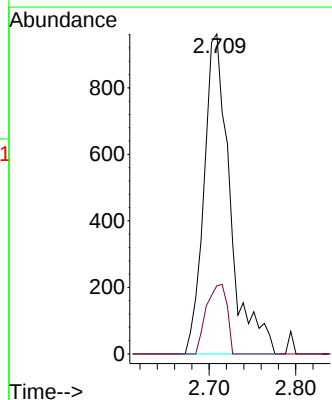
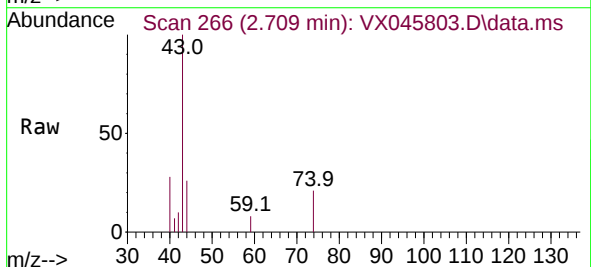
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#61

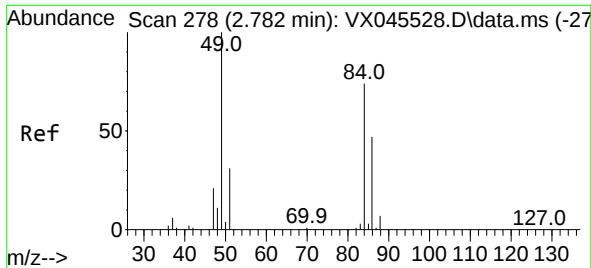
Tgt Ion: 43 Resp: 23912
Ion Ratio Lower Upper
43 100
58 30.7 22.3 33.5



#18
Methyl Acetate
Concen: 1.791 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

Tgt Ion: 43 Resp: 2017
Ion Ratio Lower Upper
43 100
74 17.1 17.5 26.3#

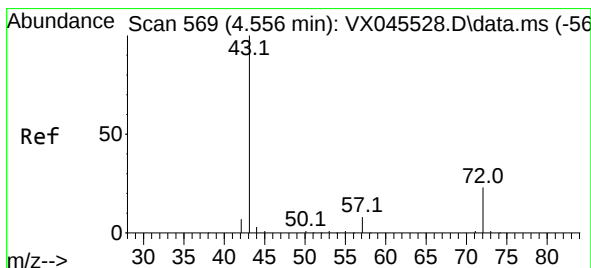
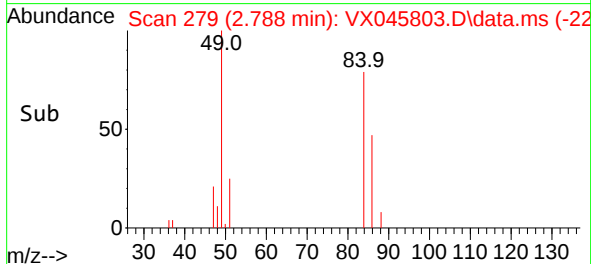
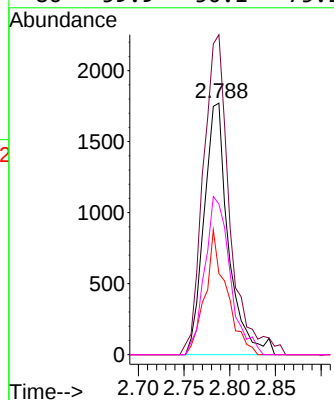
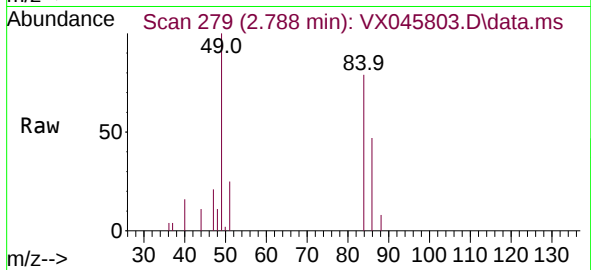




#20
Methylene Chloride
Concen: 3.591 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

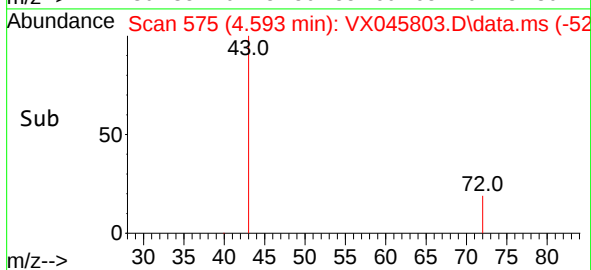
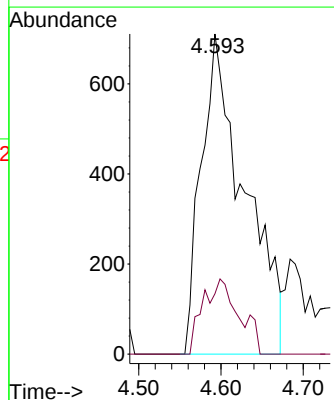
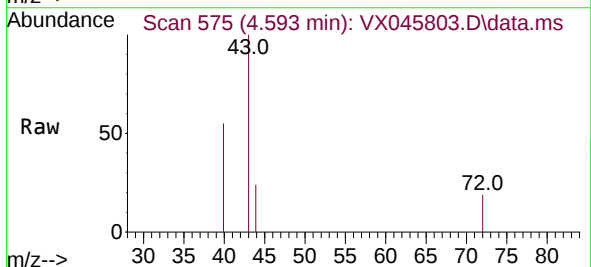
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#61

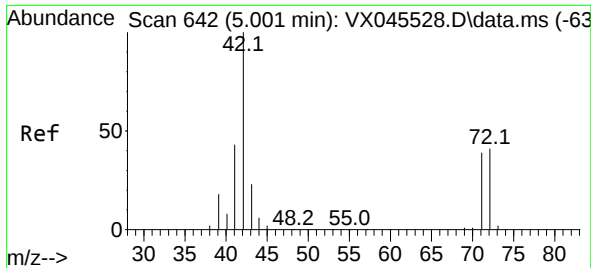
Tgt Ion: 84	Resp:	3288	
Ion	Ratio	Lower	Upper
84	100		
49	127.2	107.5	161.3
51	32.2	33.0	49.6#
86	59.9	50.1	75.1



#25
2-Butanone
Concen: 3.636 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

Tgt Ion: 43	Resp: 2603		
Ion Ratio	Lower	Upper	
43 100			
72 18.8	18.6	28.0	





#29

Tetrahydrofuran

Concen: 0.575 ug/l

RT: 5.044 min Scan# 642

Delta R.T. 0.043 min

Lab File: VX045803.D

Acq: 16 Apr 2025 13:25

Instrument :

MSVOA_X

ClientSampleId :

PB167604ZHE#61

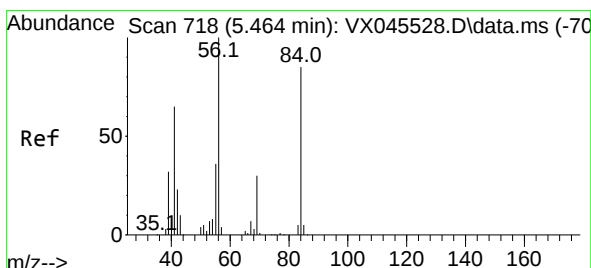
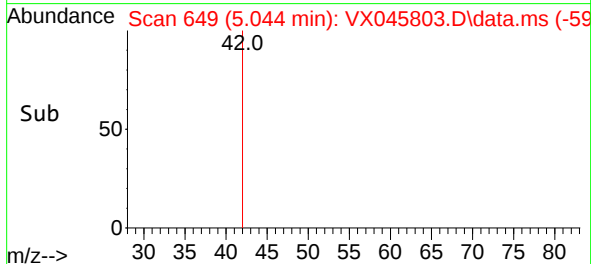
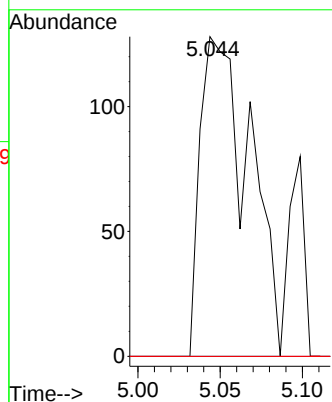
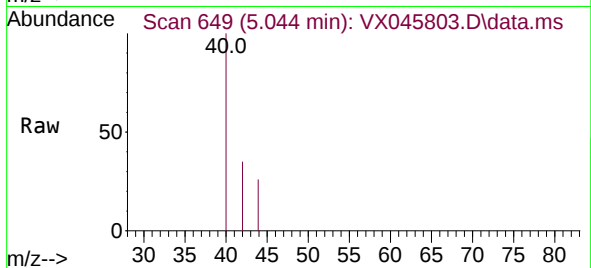
Tgt Ion: 42 Resp: 267

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.324 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045803.D

Acq: 16 Apr 2025 13:25

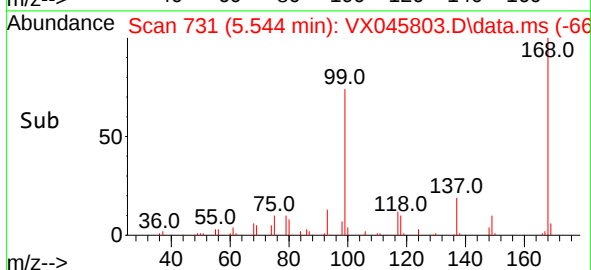
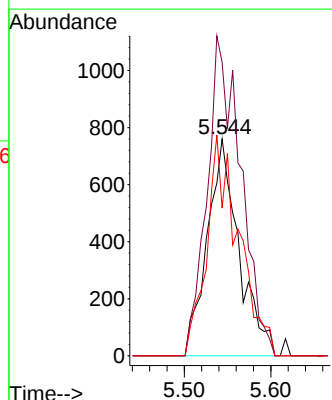
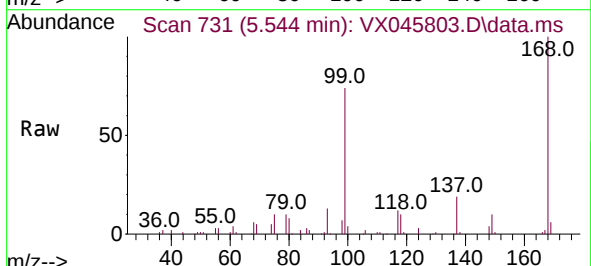
Tgt Ion: 56 Resp: 1934

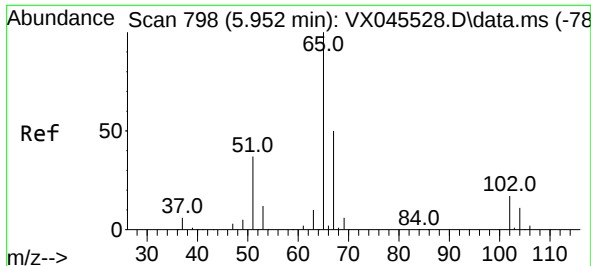
Ion Ratio Lower Upper

56 100

69 135.4 23.6 35.4#

84 68.2 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 54.814 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045803.D

Acq: 16 Apr 2025 13:25

Instrument :

MSVOA_X

ClientSampleId :

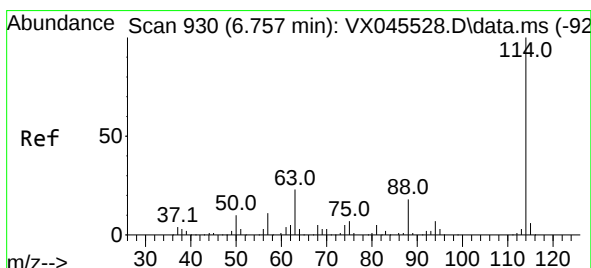
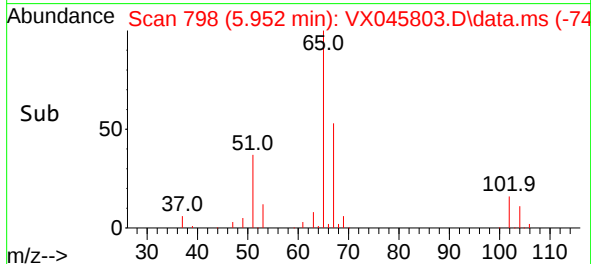
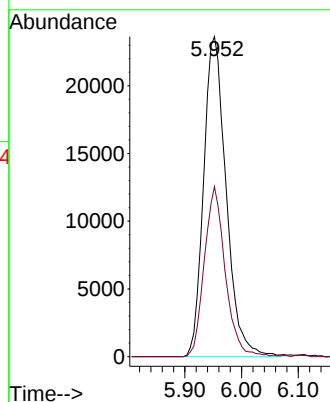
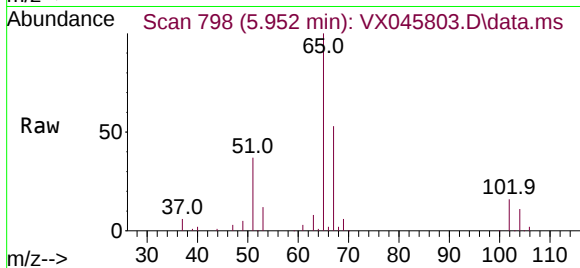
PB167604ZHE#61

Tgt Ion: 65 Resp: 65294

Ion Ratio Lower Upper

65 100

67 49.4 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045803.D

Acq: 16 Apr 2025 13:25

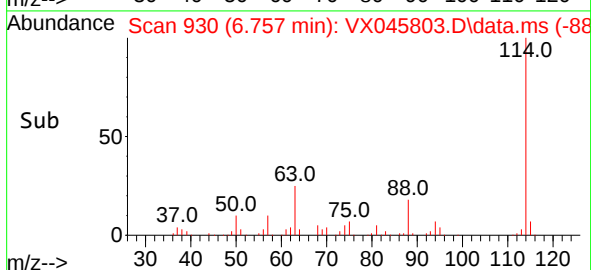
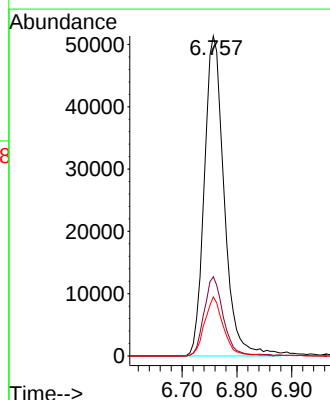
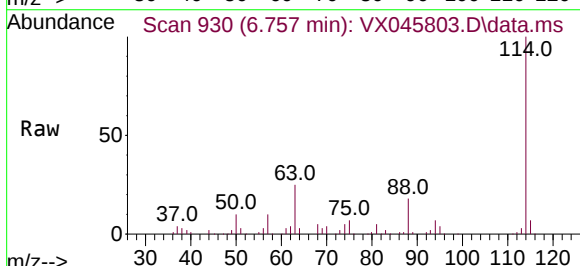
Tgt Ion: 114 Resp: 128996

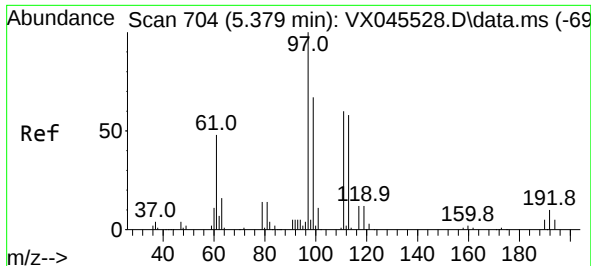
Ion Ratio Lower Upper

114 100

63 24.8 0.0 46.8

88 18.4 0.0 35.4

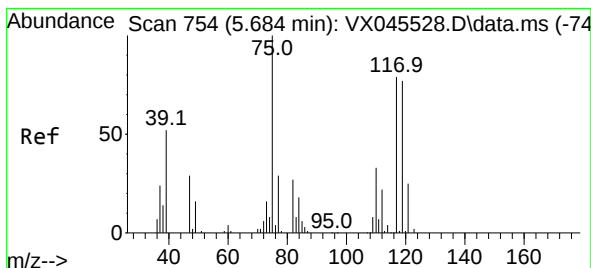
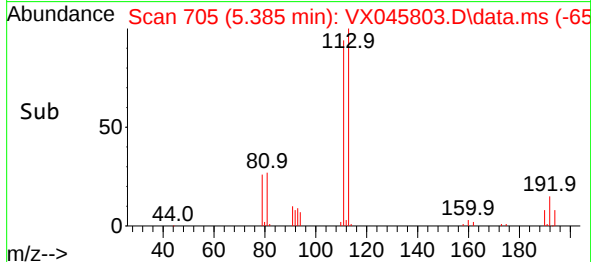
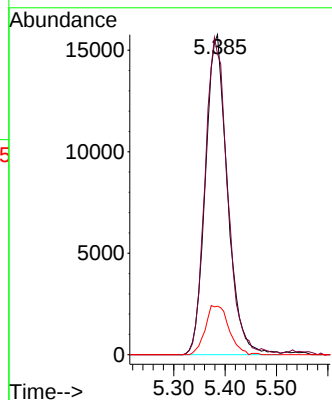
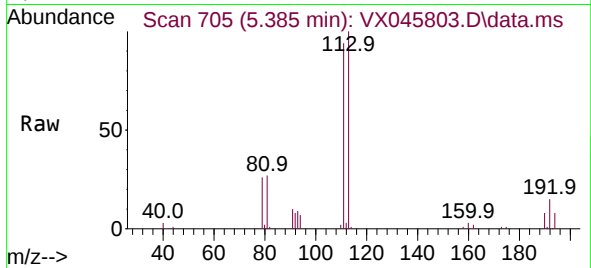




#35
Dibromofluoromethane
Concen: 51.440 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

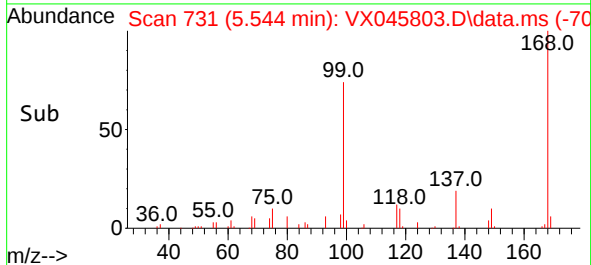
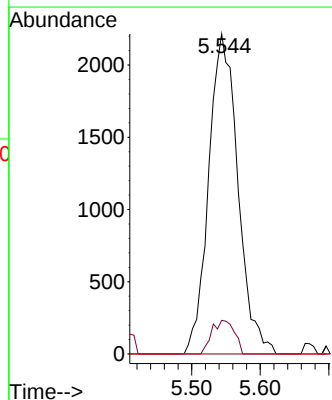
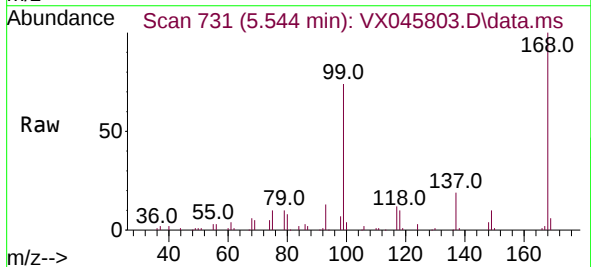
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#61

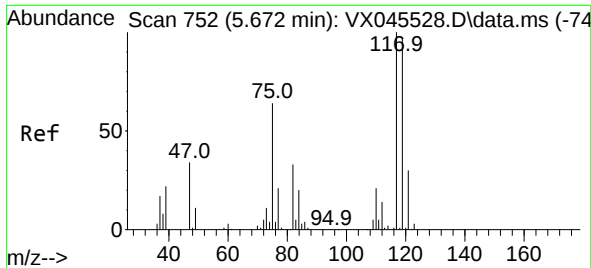
Tgt Ion:113 Resp: 47079
Ion Ratio Lower Upper
113 100
111 101.3 81.8 122.6
192 16.3 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.313 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

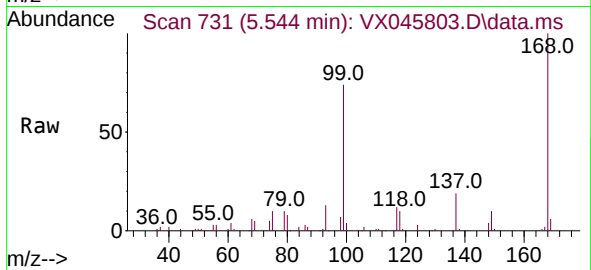
Tgt Ion: 75 Resp: 6565
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.6#
77 0.0 25.0 37.4#



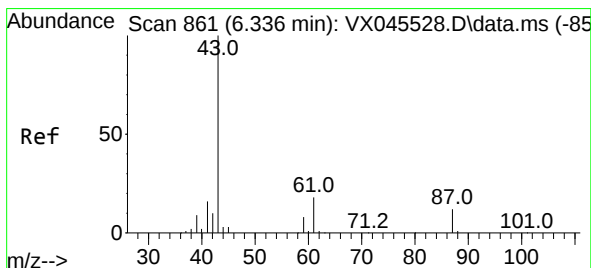
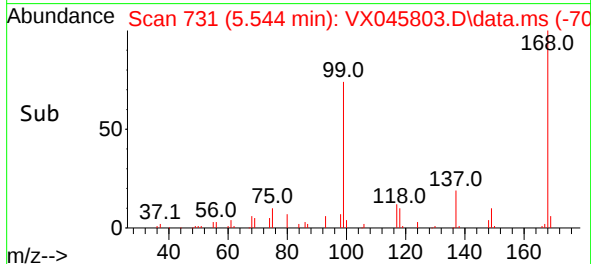
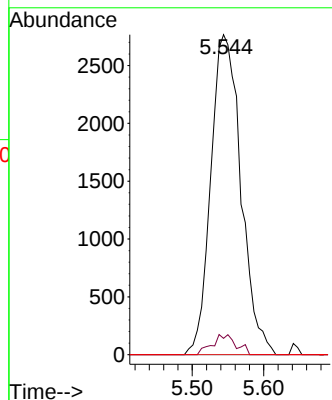


#38
Carbon Tetrachloride
Concen: 6.063 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#61

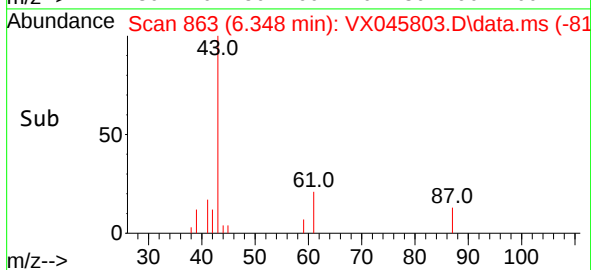
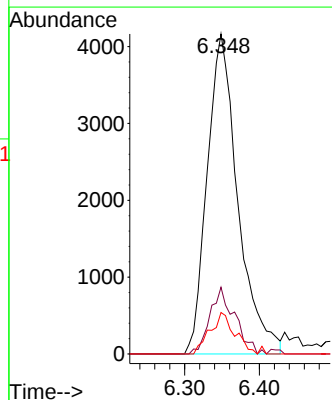
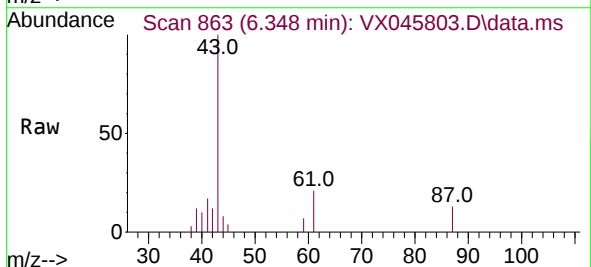


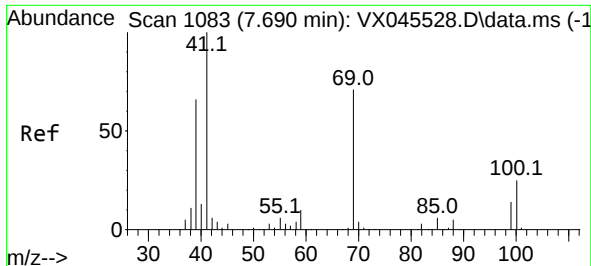
Tgt Ion:117 Resp: 8097
Ion Ratio Lower Upper
117 100
119 5.1 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 5.031 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

Tgt Ion: 43 Resp: 11874
Ion Ratio Lower Upper
43 100
61 17.0 14.1 21.1
87 10.4 9.2 13.8

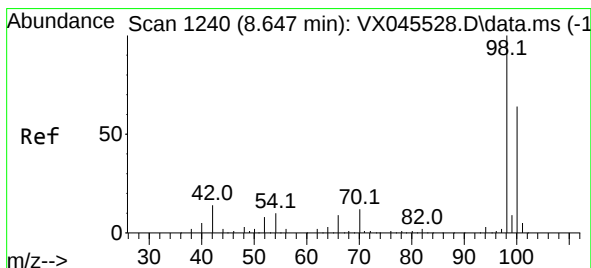
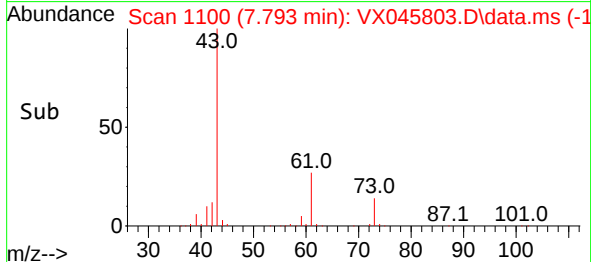
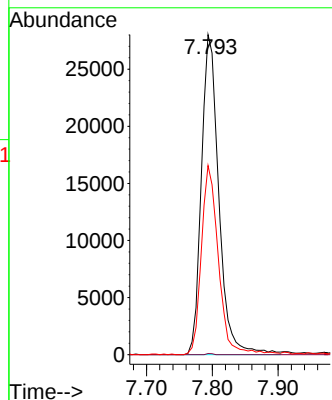
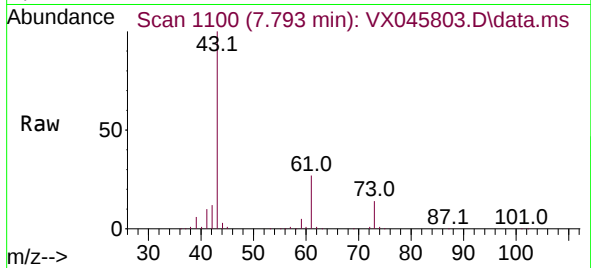




#48
Methyl methacrylate
Concen: 42.516 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

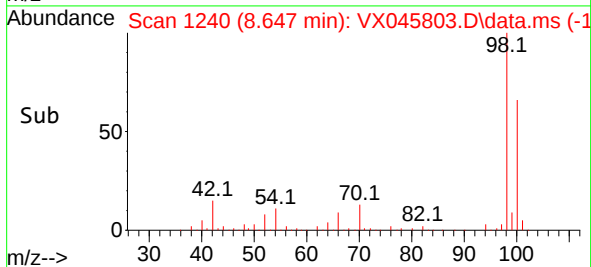
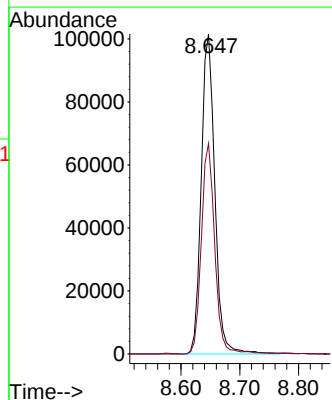
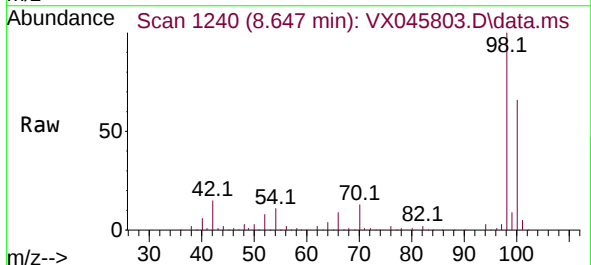
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#61

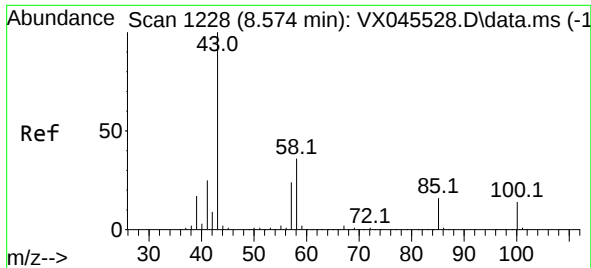
Tgt Ion: 41 Resp: 51812
Ion Ratio Lower Upper
41 100
69 0.1 58.2 87.2#
39 57.9 53.6 80.4



#50
Toluene-d8
Concen: 51.119 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

Tgt Ion: 98 Resp: 163300
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4

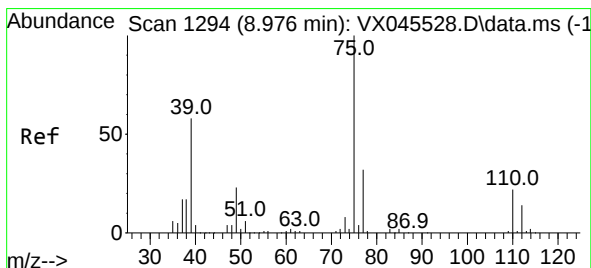
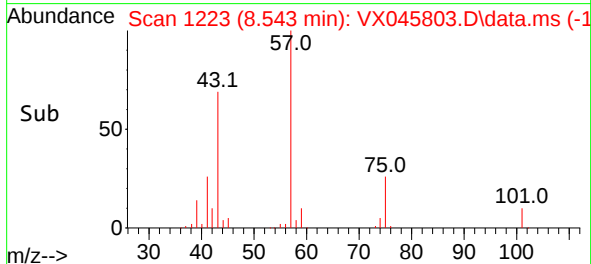
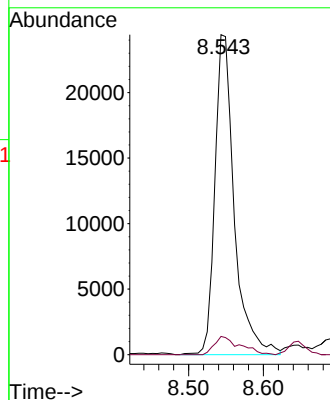
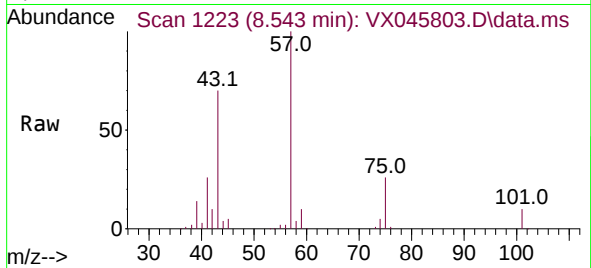




#51
4-Methyl-2-Pentanone
Concen: 28.134 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

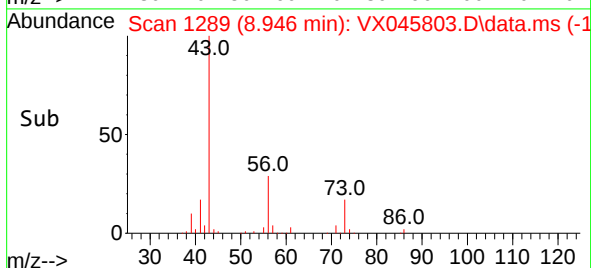
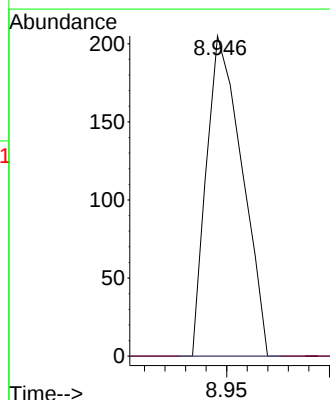
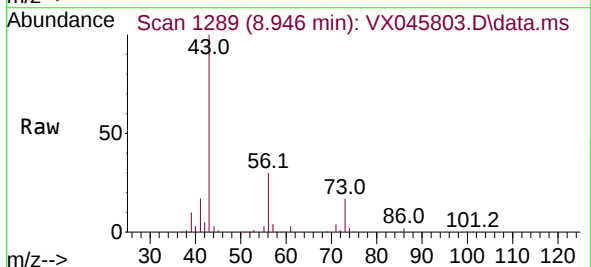
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#61

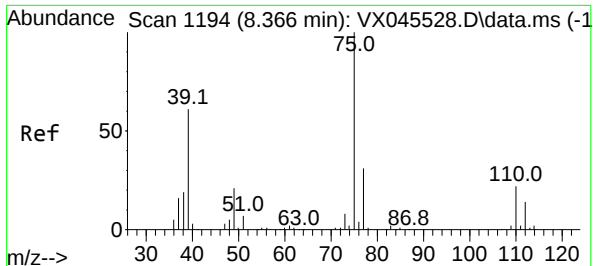
Tgt Ion: 43 Resp: 44021
Ion Ratio Lower Upper
43 100
58 7.5 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.459 ug/l
RT: 8.946 min Scan# 1289
Delta R.T. -0.030 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

Tgt Ion: 75 Resp: 247
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

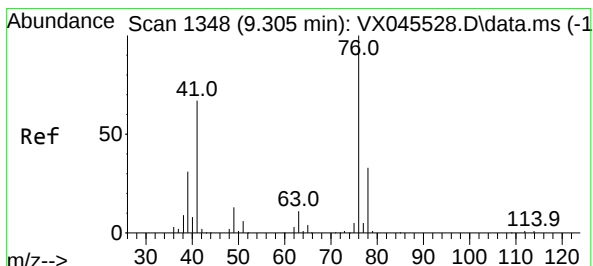
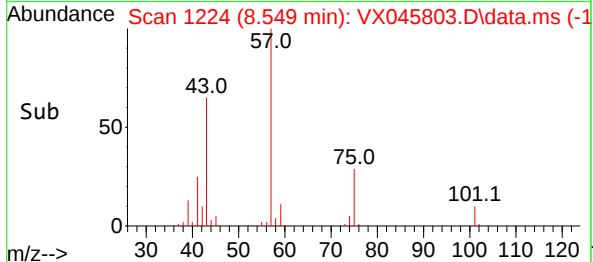
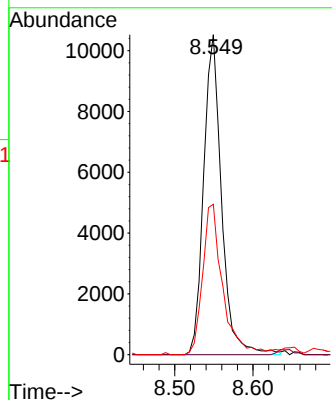
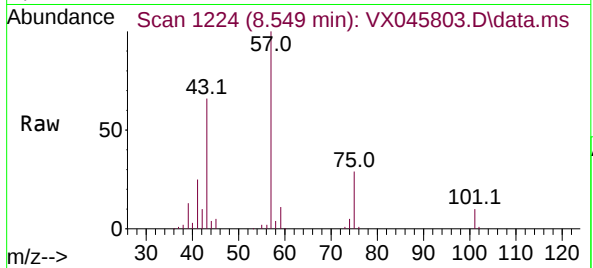




#54
 cis-1,3-Dichloropropene
 Concen: 12.285 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045803.D
 Acq: 16 Apr 2025 13:25

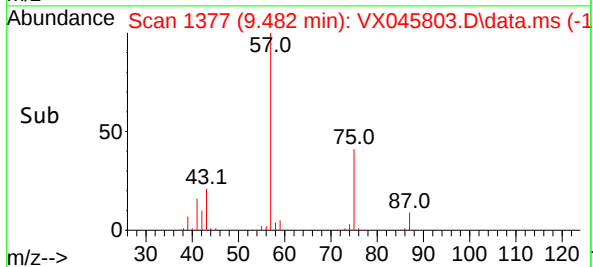
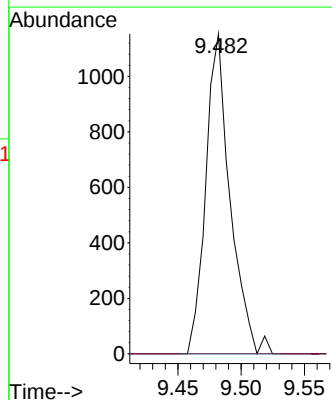
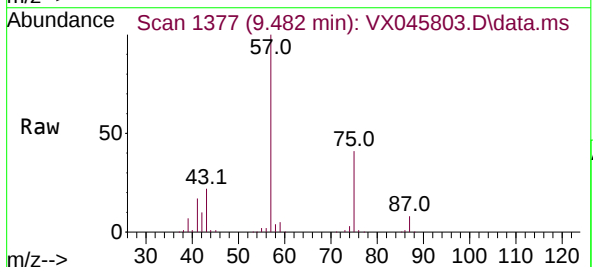
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167604ZHE#61

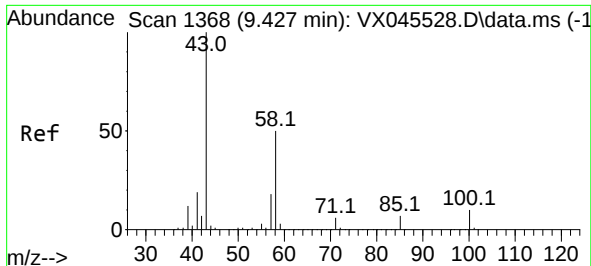
Tgt Ion: 75 Resp: 16665
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 47.0 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.976 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045803.D
 Acq: 16 Apr 2025 13:25

Tgt Ion: 76 Resp: 1546
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

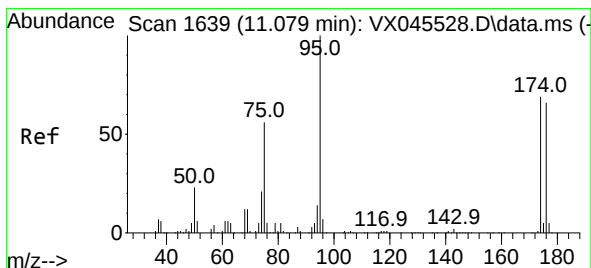
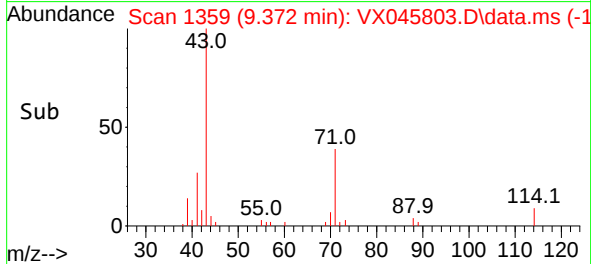
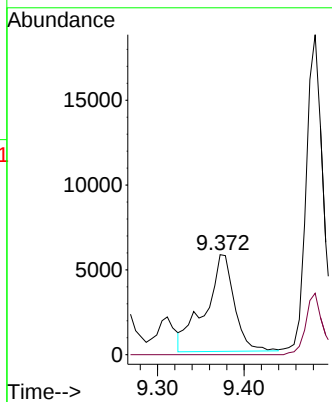
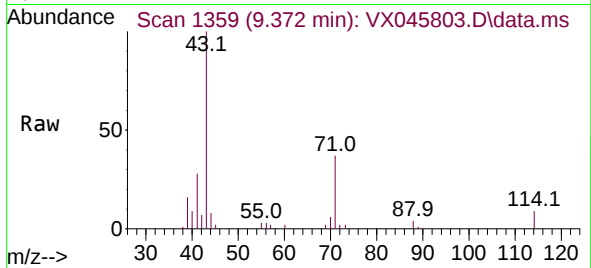




#59
2-Hexanone
Concen: 11.472 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

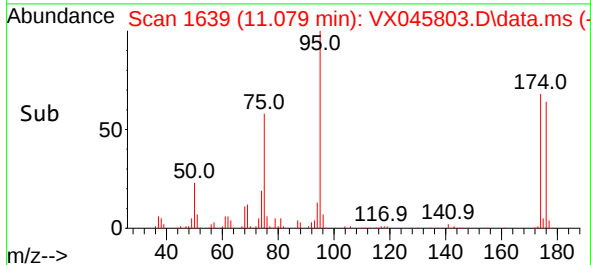
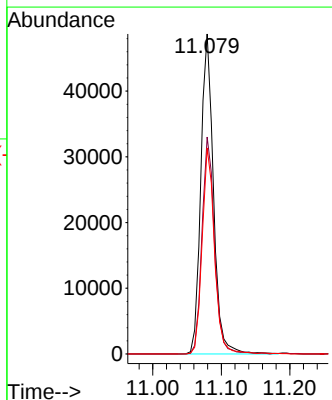
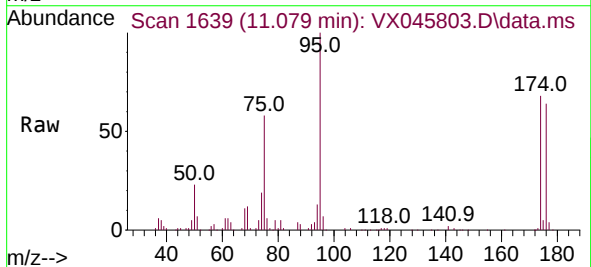
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#61

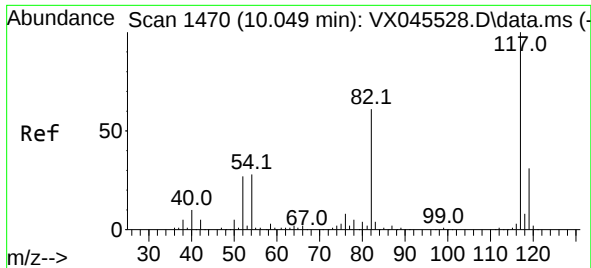
Tgt Ion: 43 Resp: 13292
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 53.886 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

Tgt Ion: 95 Resp: 62702
Ion Ratio Lower Upper
95 100
174 67.1 0.0 135.8
176 62.9 0.0 131.4

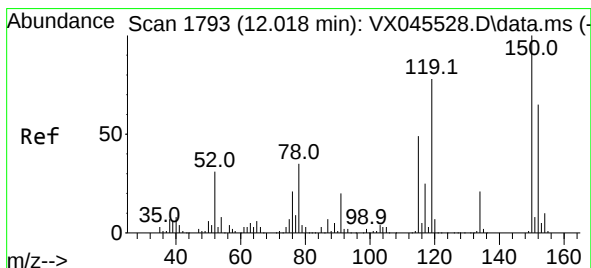
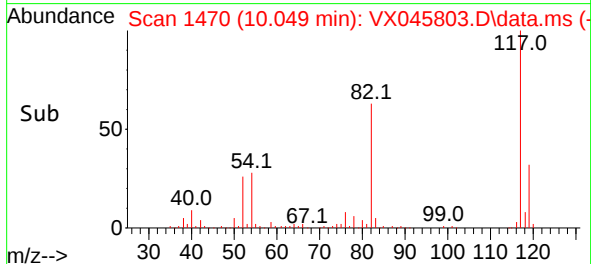
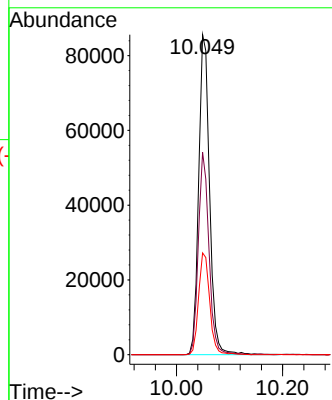
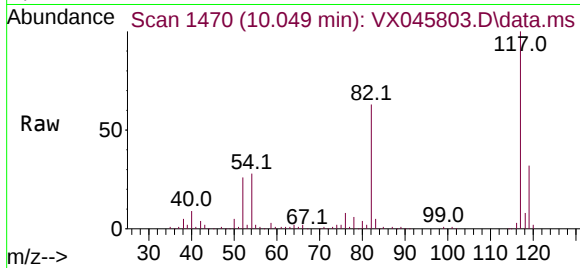




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

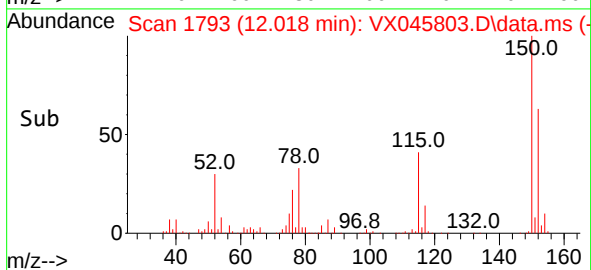
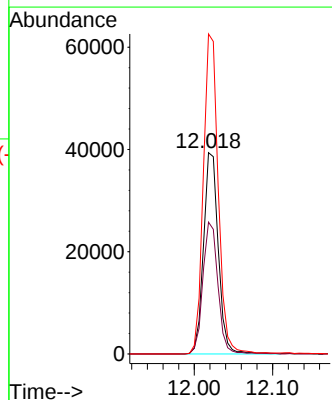
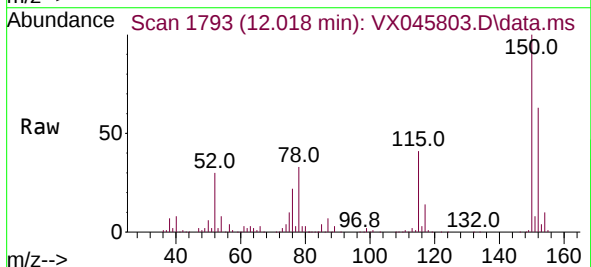
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#61

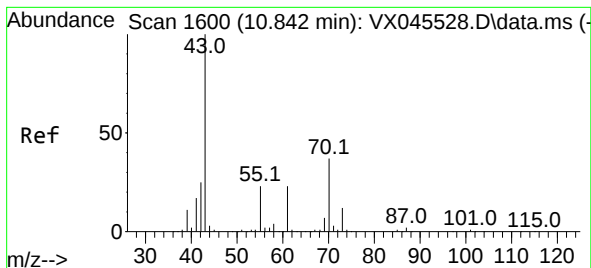
Tgt Ion:117 Resp: 122046
Ion Ratio Lower Upper
117 100
82 63.2 49.2 73.8
119 31.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

Tgt Ion:152 Resp: 51585
Ion Ratio Lower Upper
152 100
115 66.6 46.9 140.7
150 160.6 0.0 349.4





#74

N-amy1 acetate

Concen: 0.297 ug/l

RT: 10.878 min Scan# 1

Delta R.T. 0.037 min

Lab File: VX045803.D

Acq: 16 Apr 2025 13:25

Instrument :

MSVOA_X

ClientSampleId :

PB167604ZHE#61

Tgt Ion: 43 Resp: 587

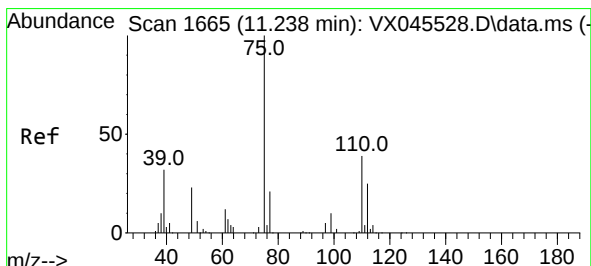
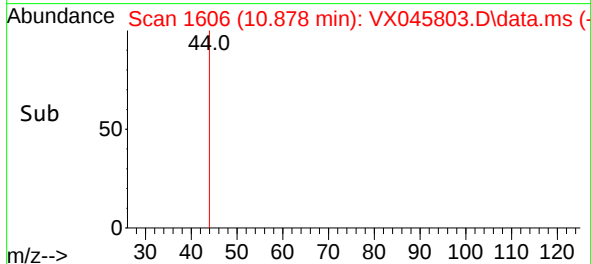
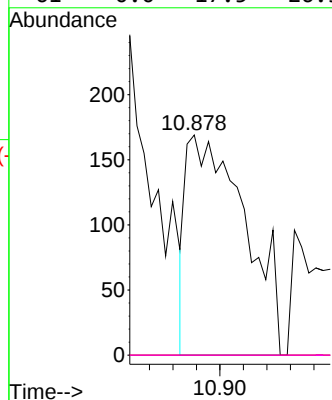
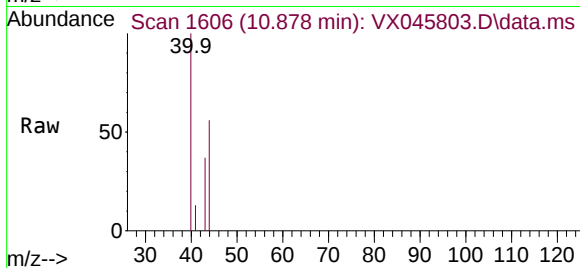
Ion Ratio Lower Upper

43 100

70 0.0 30.1 45.1#

55 0.0 18.3 27.5#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 29.580 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045803.D

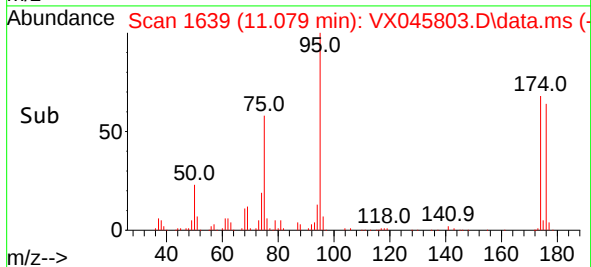
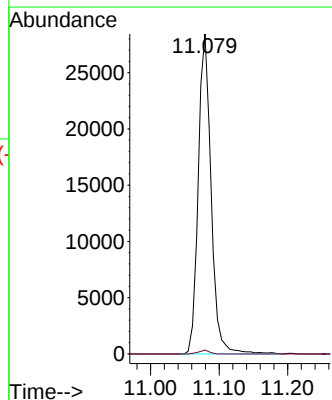
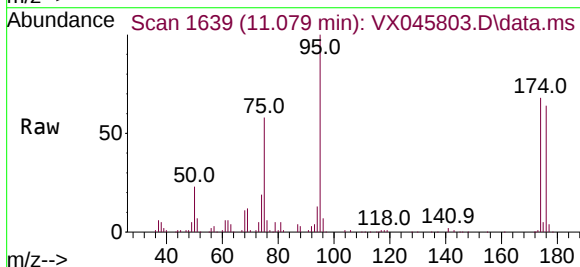
Acq: 16 Apr 2025 13:25

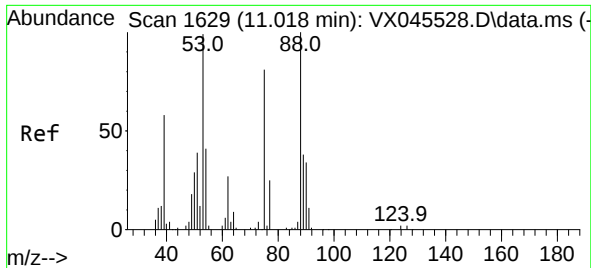
Tgt Ion: 75 Resp: 37220

Ion Ratio Lower Upper

75 100

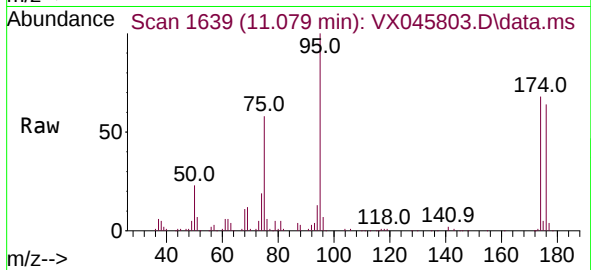
77 1.0 20.0 59.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 100.391 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045803.D
Acq: 16 Apr 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#61



Tgt Ion: 75 Resp: 37220
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

