

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042425\
 Data File : VX045919.D
 Acq On : 24 Apr 2025 12:04
 Operator : JC/MD
 Sample : PB167707TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167707TB

Quant Time: Apr 25 02:26:13 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)

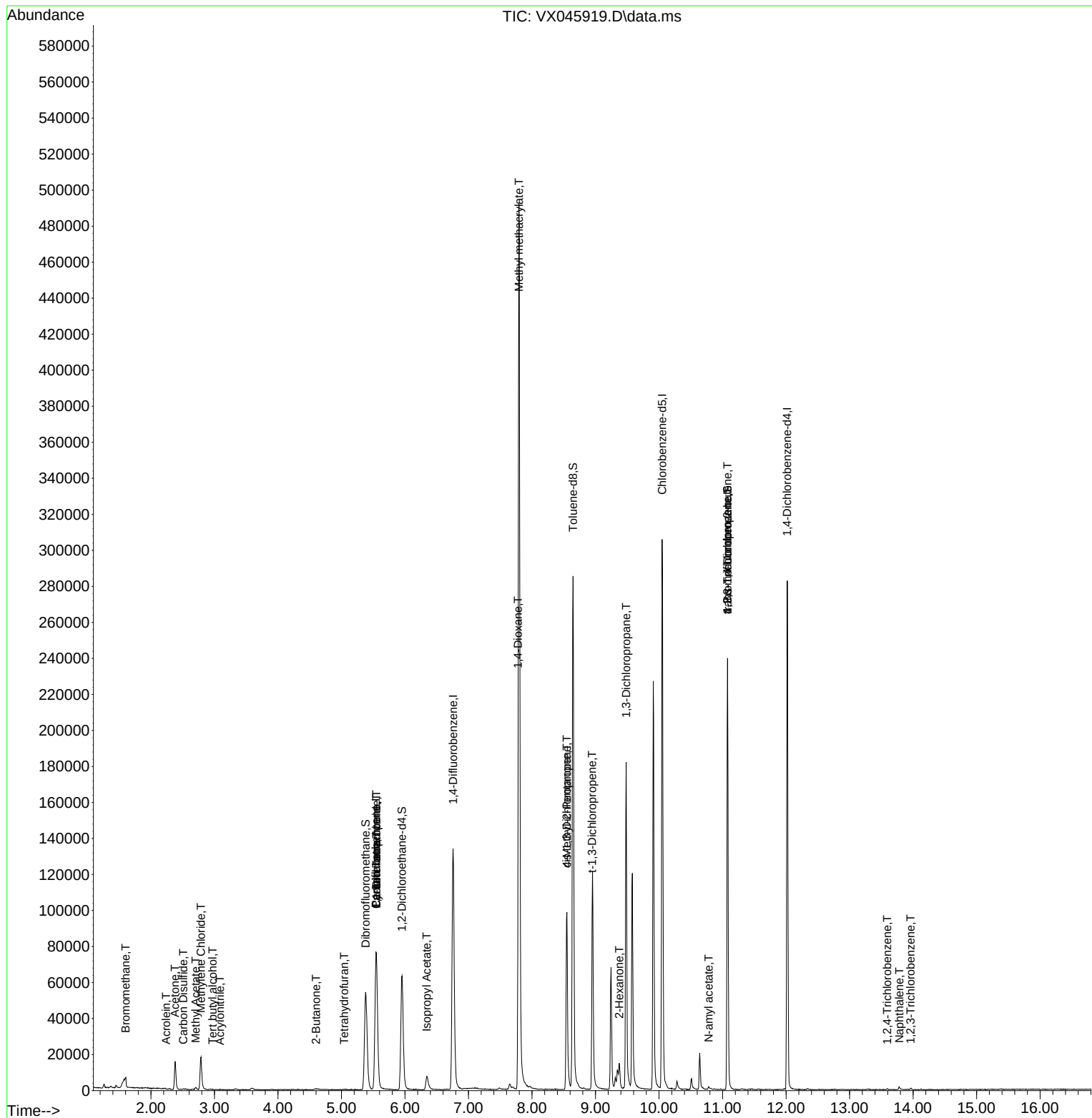
Internal Standards						
1) Pentafluorobenzene	5.544	168	65466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129918	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64911	54.219	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.440%			
35) Dibromofluoromethane	5.379	113	47356	51.375	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.760%			
50) Toluene-d8	8.647	98	165710	51.505	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.020%			
62) 4-Bromofluorobenzene	11.079	95	61941	52.854	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.700%			
Target Compounds					Qvalue	
5) Bromomethane	1.599	94	127	0.291	ug/l #	64
11) Tert butyl alcohol	2.971	59	261	1.622	ug/l #	72
13) Acrolein	2.239	56	66	0.298	ug/l #	67
15) Acrylonitrile	3.087	53	119	0.234	ug/l #	17
16) Acetone	2.380	43	17074	34.731	ug/l	96
17) Carbon Disulfide	2.508	76	462	0.238	ug/l #	76
18) Methyl Acetate	2.703	43	1633	1.443	ug/l	94
20) Methylene Chloride	2.788	84	8229	8.941	ug/l	93
25) 2-Butanone	4.599	43	1118	1.554	ug/l	97
29) Tetrahydrofuran	5.044	42	134	0.287	ug/l #	35
31) Cyclohexane	5.550	56	2075	1.413	ug/l #	41
36) 1,1-Dichloropropene	5.550	75	6572	5.281	ug/l #	49
38) Carbon Tetrachloride	5.550	117	8151	6.060	ug/l #	15
43) Isopropyl Acetate	6.342	43	11625	4.890	ug/l	98
48) Methyl methacrylate	7.793	41	48433	39.461	ug/l #	50
49) 1,4-Dioxane	7.781	88	21	0.946	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	39347	24.969	ug/l #	51
53) t-1,3-Dichloropropene	8.945	75	243	2.455	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	15132	11.075	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	1533	0.961	ug/l #	42
59) 2-Hexanone	9.372	43	12642	10.833	ug/l #	28
74) N-amyl acetate	10.780	43	1579	0.805	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	36006	28.846	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36006	97.900	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.591	180	319	0.334	ug/l #	86
95) Naphthalene	13.786	128	1732	0.488	ug/l #	89
96) 1,2,3-Trichlorobenzene	13.963	180	415	0.415	ug/l #	60

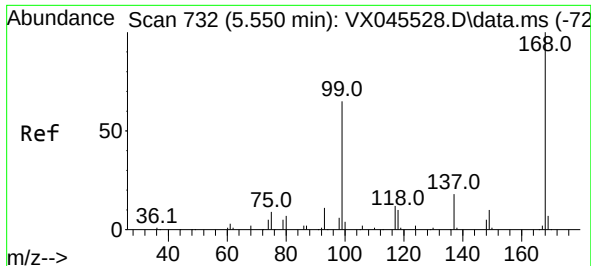
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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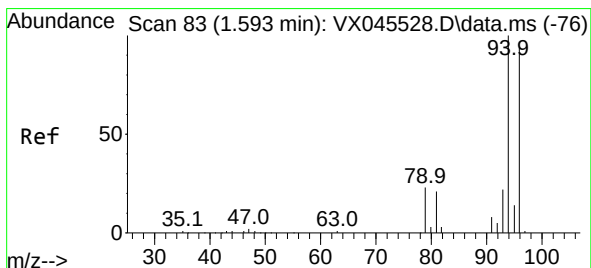
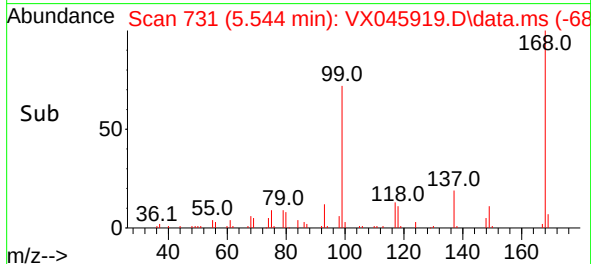
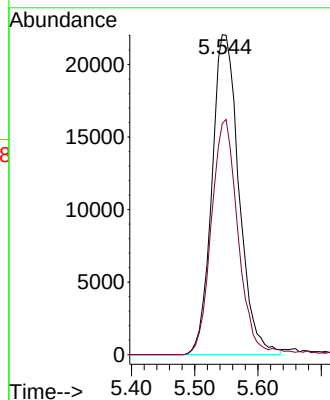
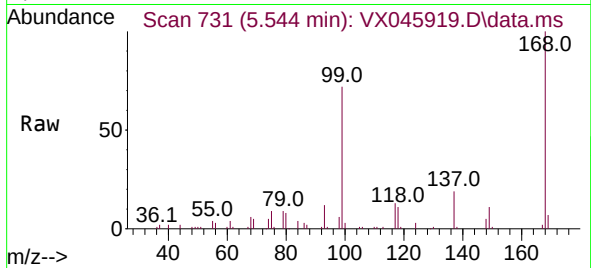




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

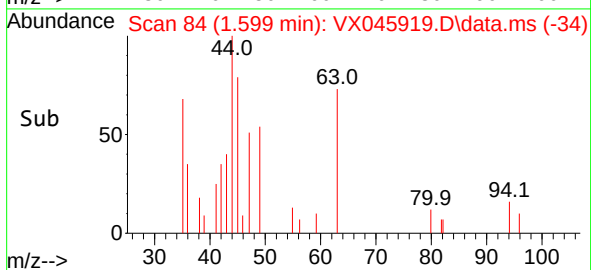
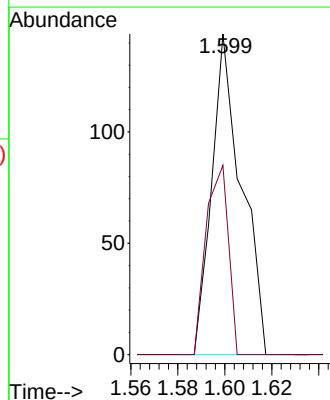
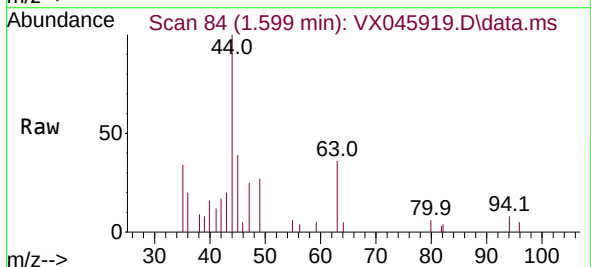
Instrument :
MSVOA_X
ClientSampleId :
PB167707TB

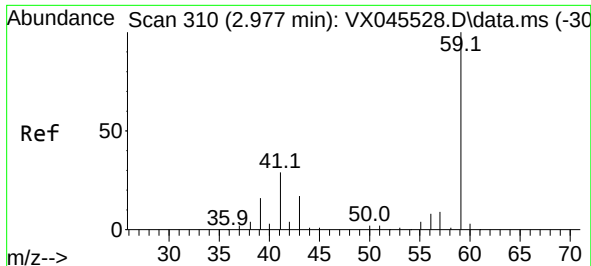
Tgt Ion:168 Resp: 65466
Ion Ratio Lower Upper
168 100
99 72.2 52.3 78.5



#5
Bromomethane
Concen: 0.291 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

Tgt Ion: 94 Resp: 127
Ion Ratio Lower Upper
94 100
96 59.0 74.8 112.2#

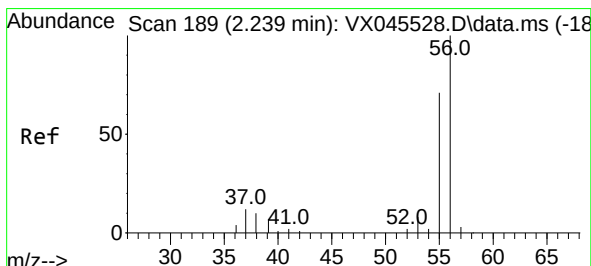
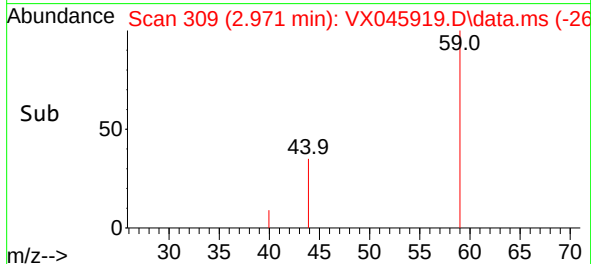
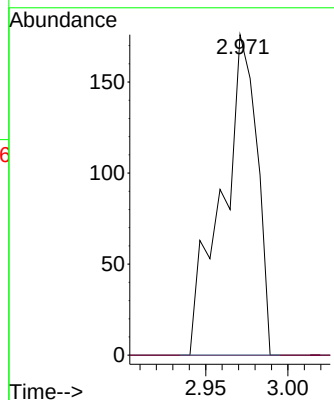
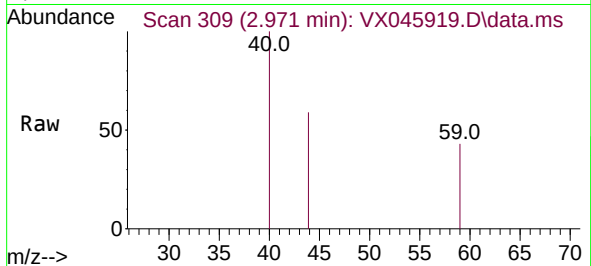




#11
Tert butyl alcohol
Concen: 1.622 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

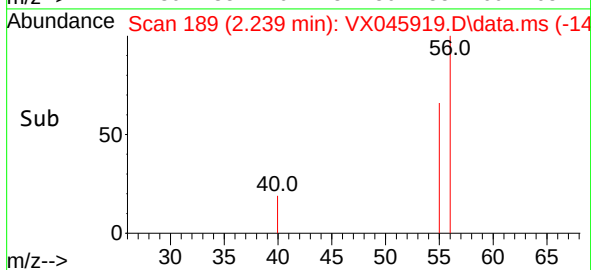
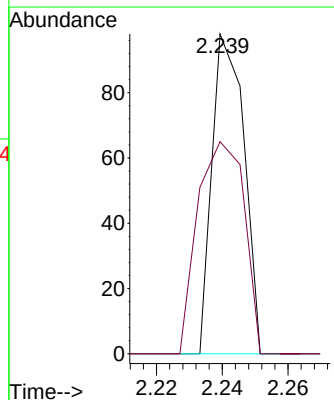
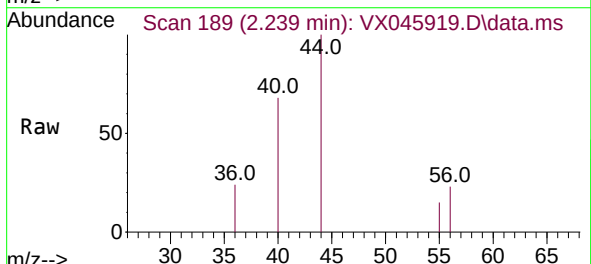
Instrument :
MSVOA_X
ClientSampleId :
PB167707TB

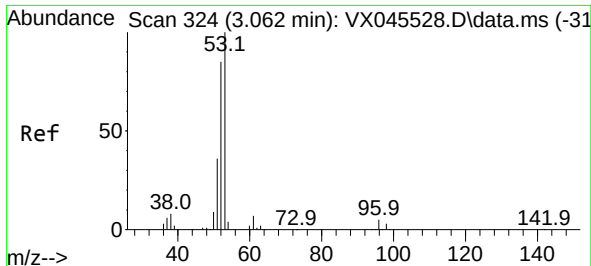
Tgt Ion: 59 Resp: 261
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.298 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 97.0 56.2 84.2#

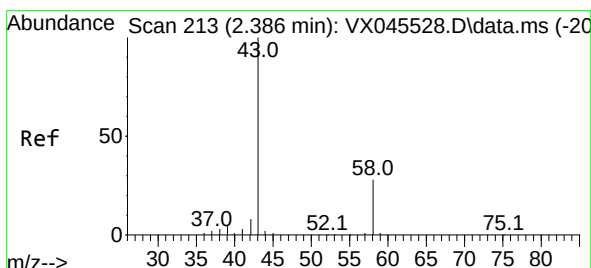
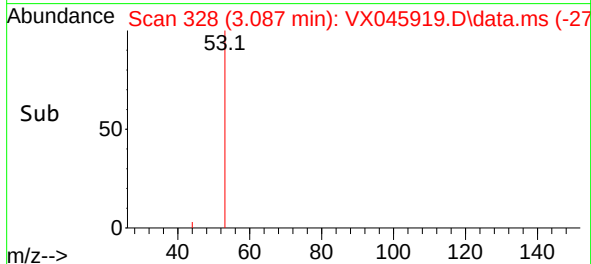
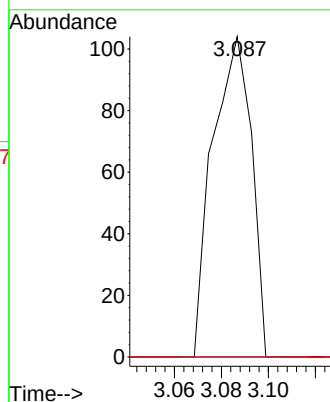
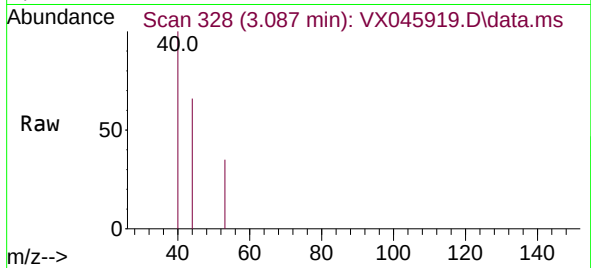




#15
Acrylonitrile
Concen: 0.234 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.024 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

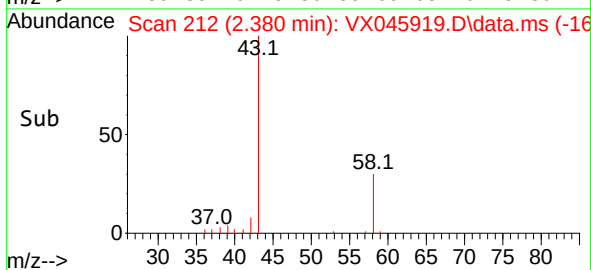
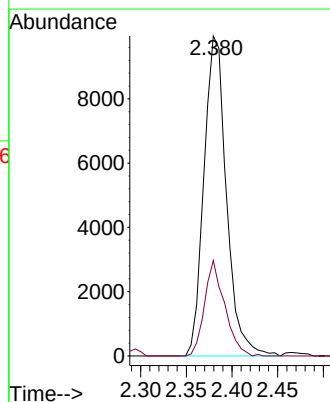
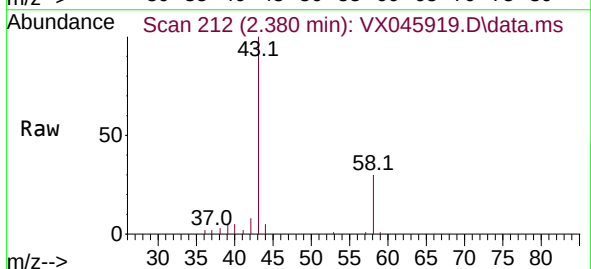
Instrument :
MSVOA_X
ClientSampleId :
PB167707TB

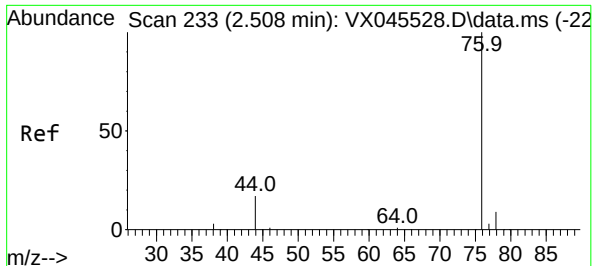
Tgt Ion: 53 Resp: 119
Ion Ratio Lower Upper
53 100
52 0.0 67.4 101.2#
51 0.0 29.9 44.9#



#16
Acetone
Concen: 34.731 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

Tgt Ion: 43 Resp: 17074
Ion Ratio Lower Upper
43 100
58 29.9 22.3 33.5

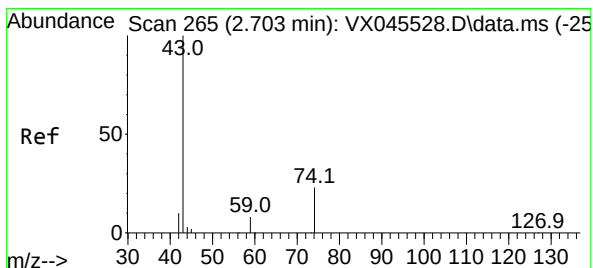
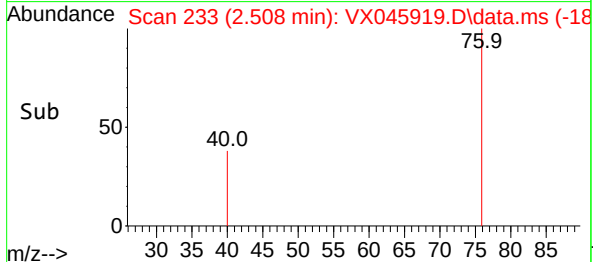
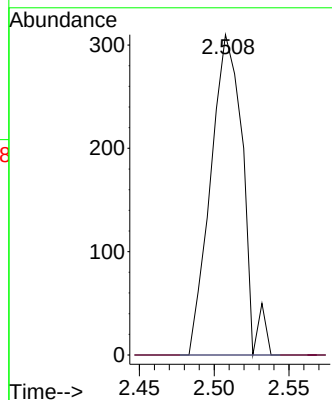
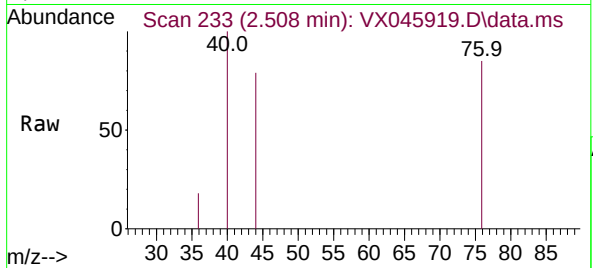




#17
Carbon Disulfide
Concen: 0.238 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

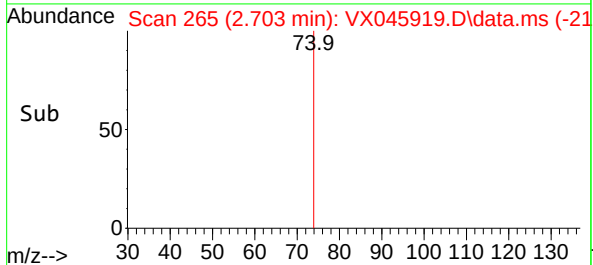
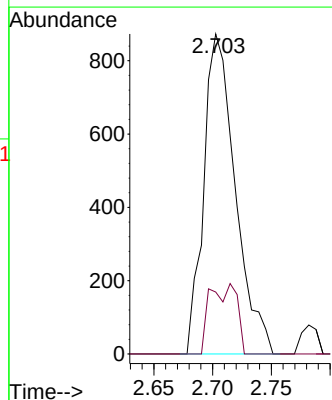
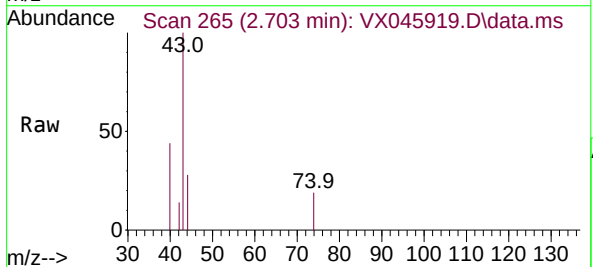
Instrument :
MSVOA_X
ClientSampleId :
PB167707TB

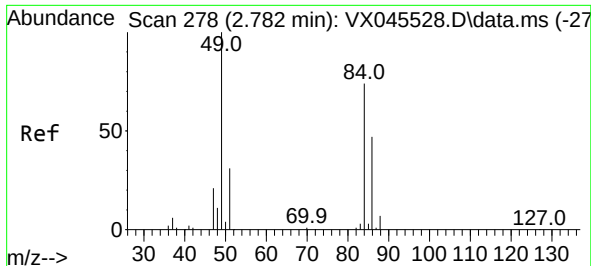
Tgt Ion: 76 Resp: 462
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 1.443 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

Tgt Ion: 43 Resp: 1633
Ion Ratio Lower Upper
43 100
74 18.9 17.5 26.3



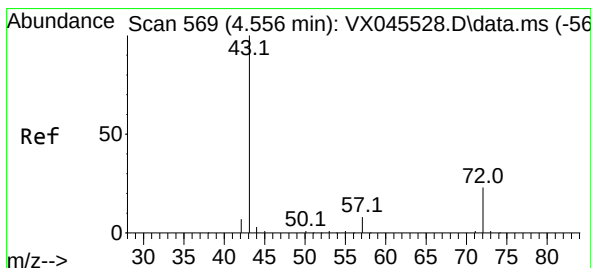
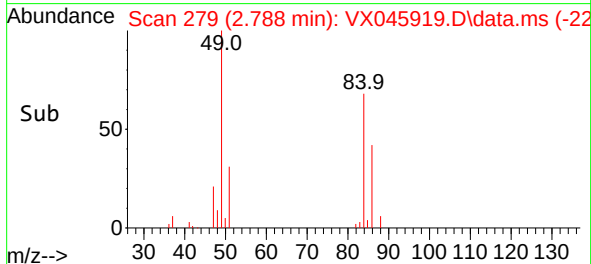
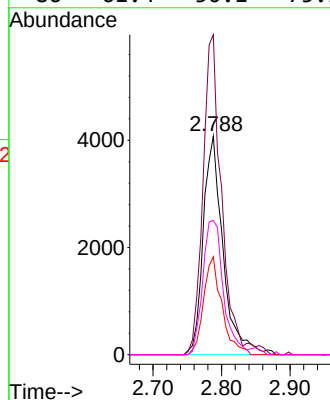
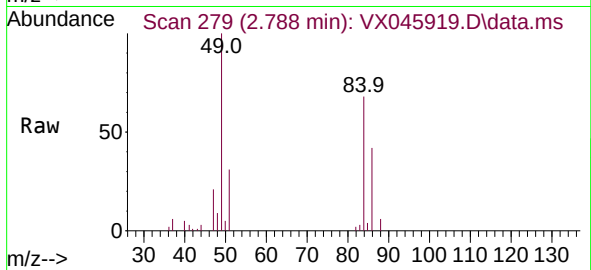


#20
Methylene Chloride
Concen: 8.941 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
PB167707TB

Tgt Ion: 84 Resp: 8229

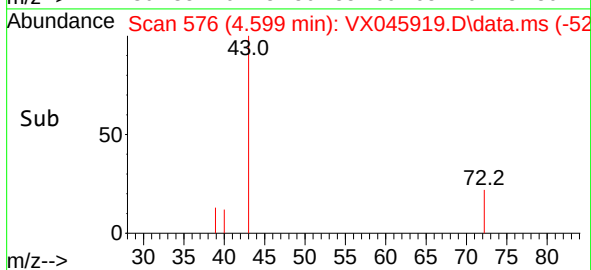
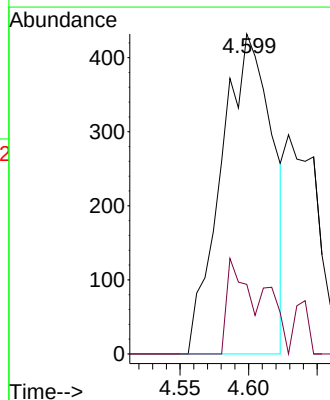
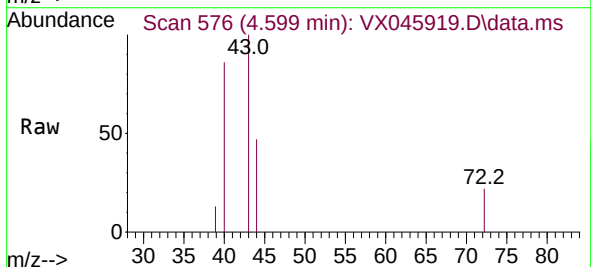
Ion	Ratio	Lower	Upper
84	100		
49	146.4	107.5	161.3
51	44.8	33.0	49.6
86	61.4	50.1	75.1

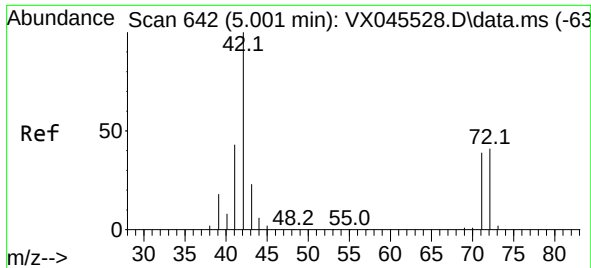


#25
2-Butanone
Concen: 1.554 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

Tgt Ion: 43 Resp: 1118

Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.287 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.043 min

Lab File: VX045919.D

Acq: 24 Apr 2025 12:04

Instrument :

MSVOA_X

ClientSampleId :

PB167707TB

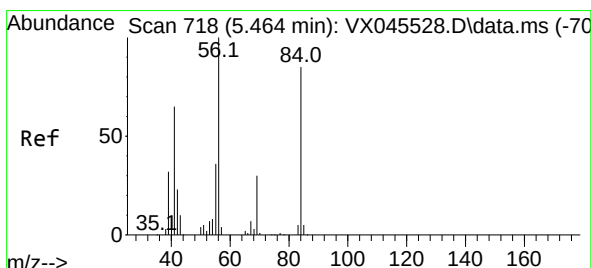
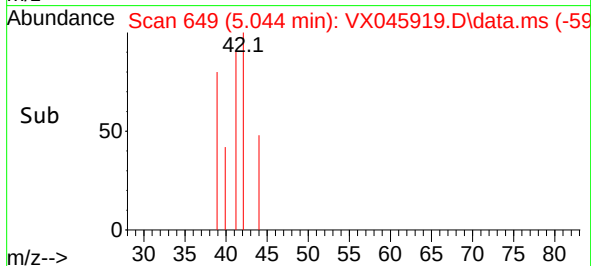
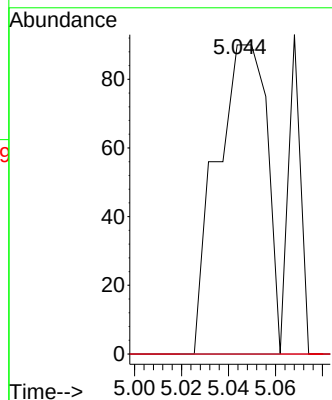
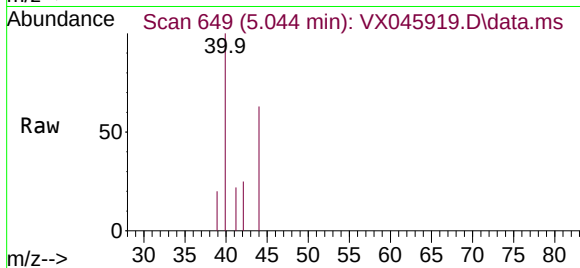
Tgt Ion: 42 Resp: 134

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.413 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045919.D

Acq: 24 Apr 2025 12:04

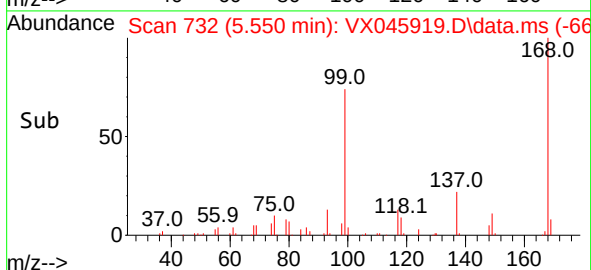
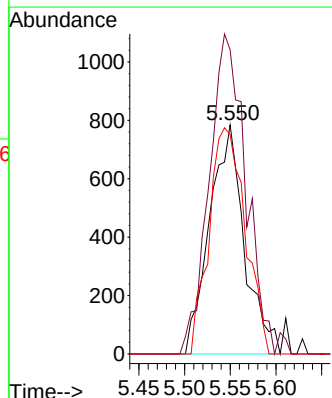
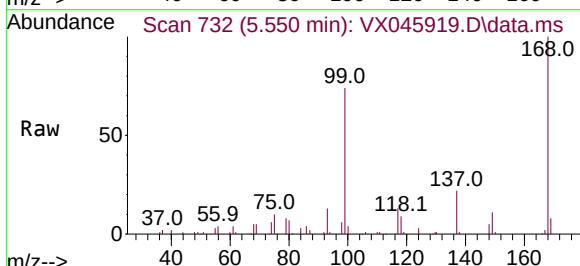
Tgt Ion: 56 Resp: 2075

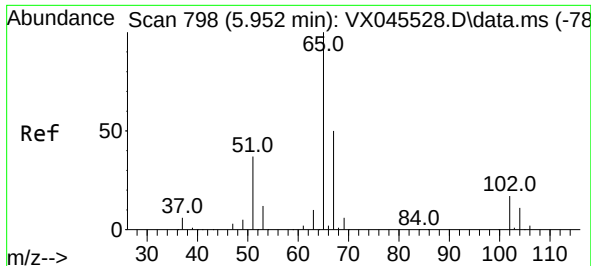
Ion Ratio Lower Upper

56 100

69 132.9 23.6 35.4#

84 95.8 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 54.219 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045919.D

Acq: 24 Apr 2025 12:04

Instrument :

MSVOA_X

ClientSampleId :

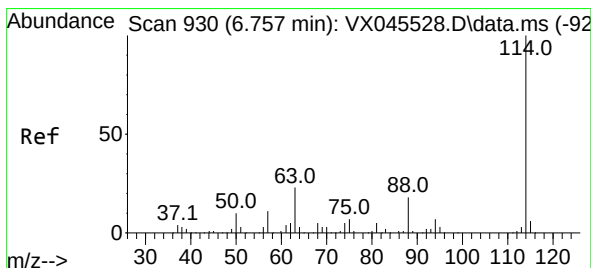
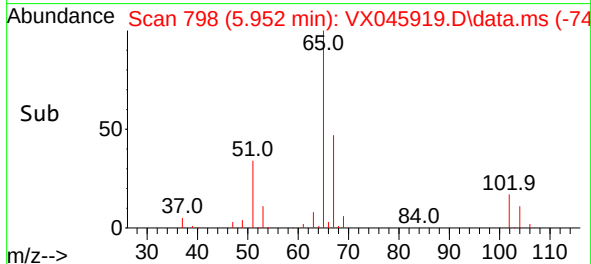
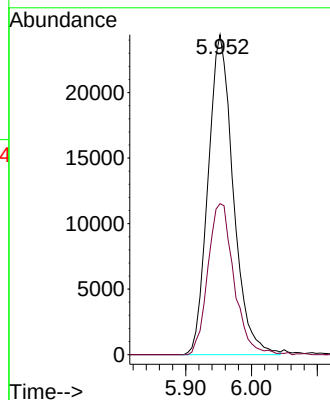
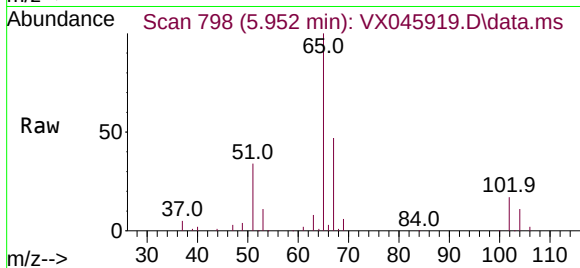
PB167707TB

Tgt Ion: 65 Resp: 64911

Ion Ratio Lower Upper

65 100

67 49.0 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: VX045919.D

Acq: 24 Apr 2025 12:04

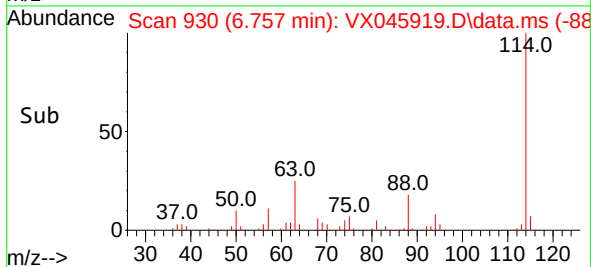
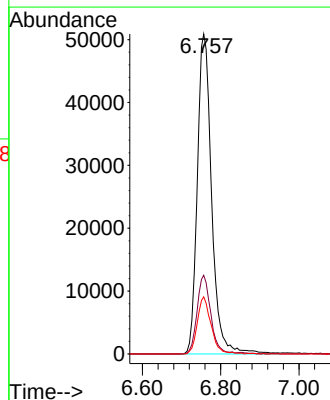
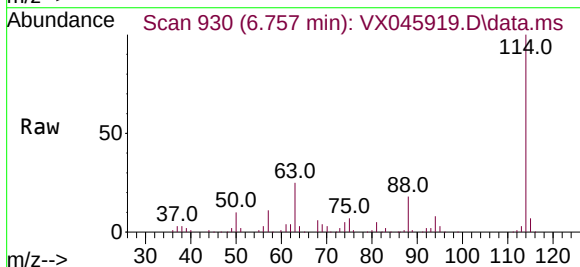
Tgt Ion: 114 Resp: 129918

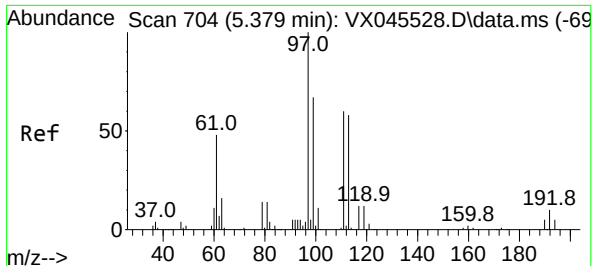
Ion Ratio Lower Upper

114 100

63 24.6 0.0 46.8

88 17.9 0.0 35.4

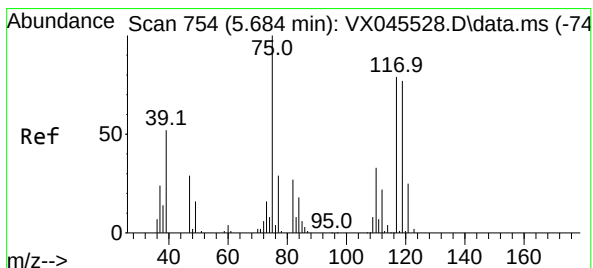
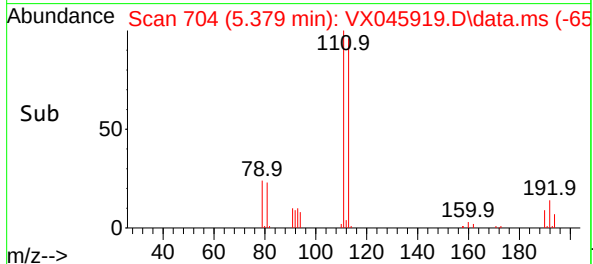
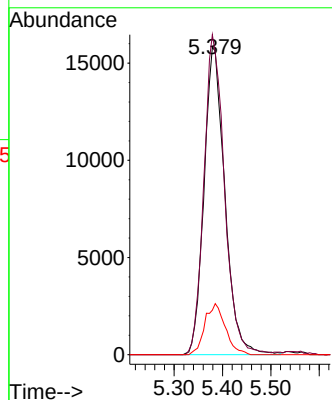
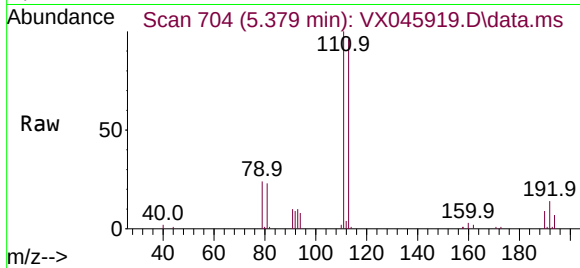




#35
Dibromofluoromethane
Concen: 51.375 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

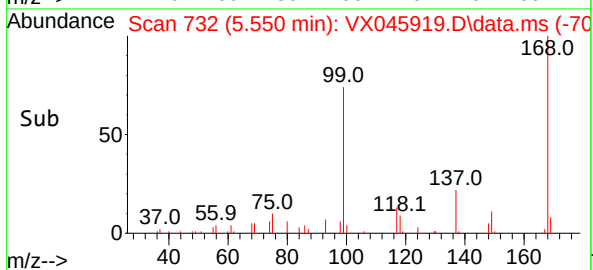
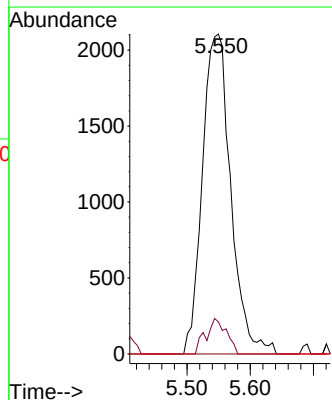
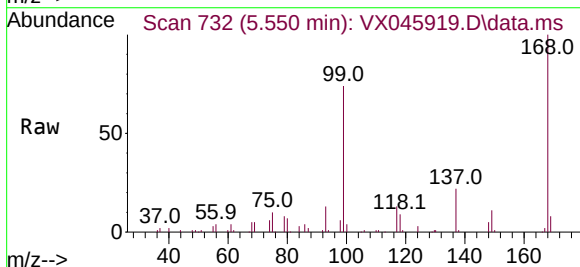
Instrument :
MSVOA_X
ClientSampleId :
PB167707TB

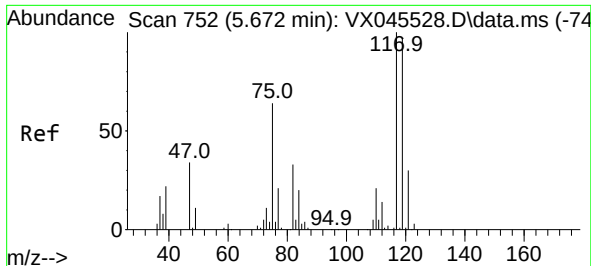
Tgt Ion:113 Resp: 47356
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 16.3 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.281 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

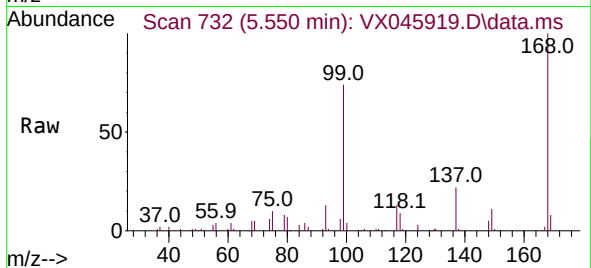
Tgt Ion: 75 Resp: 6572
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.6#
77 0.0 25.0 37.4#



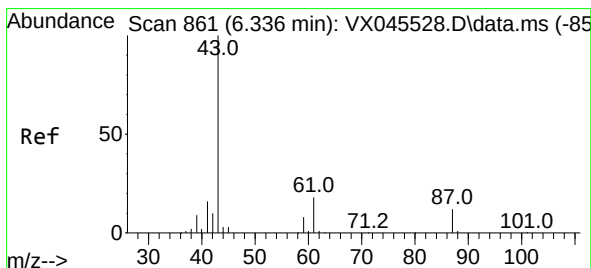
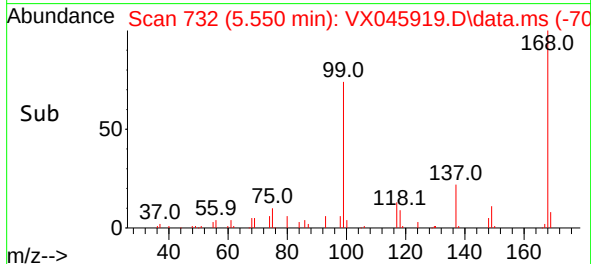
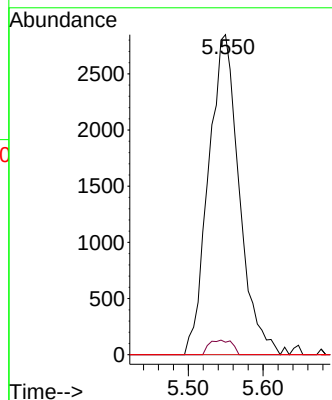


#38
Carbon Tetrachloride
Concen: 6.060 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
PB167707TB

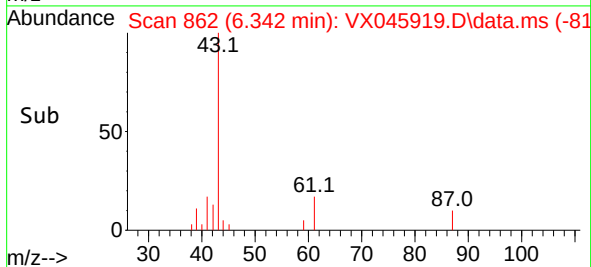
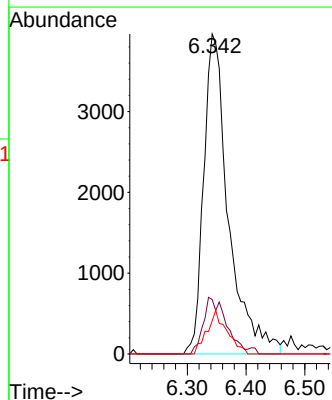
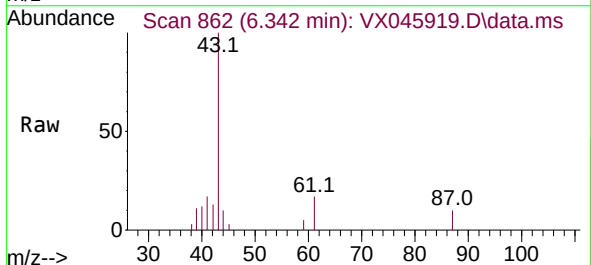


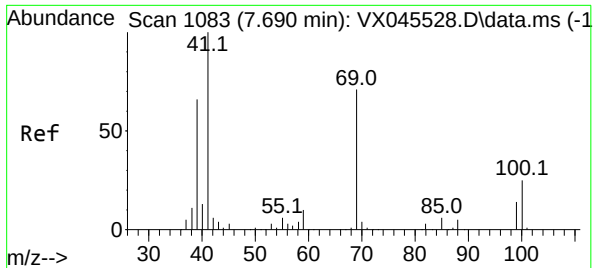
Tgt Ion:117 Resp: 8151
Ion Ratio Lower Upper
117 100
119 3.9 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.890 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

Tgt Ion: 43 Resp: 11625
Ion Ratio Lower Upper
43 100
61 16.9 14.1 21.1
87 10.9 9.2 13.8

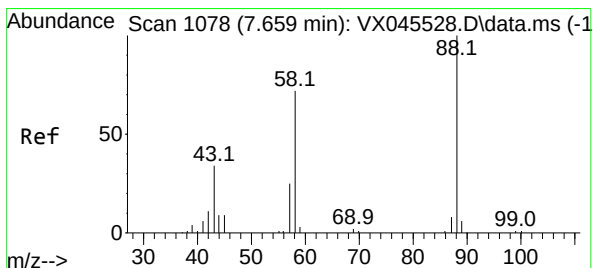
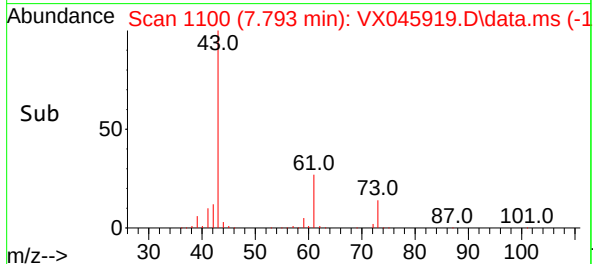
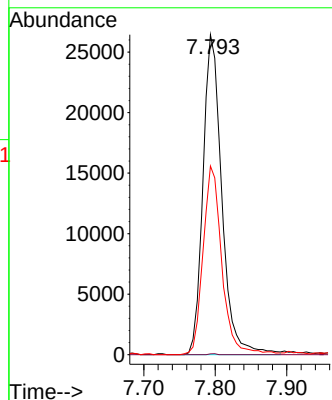
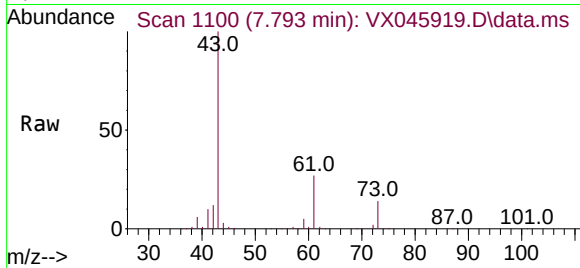




#48
Methyl methacrylate
Concen: 39.461 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

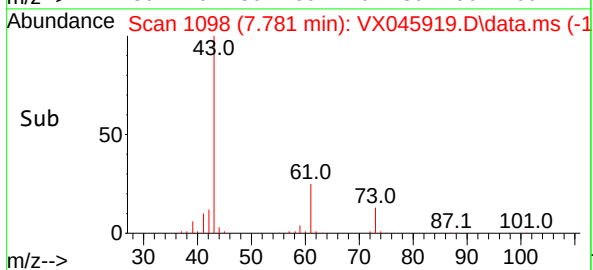
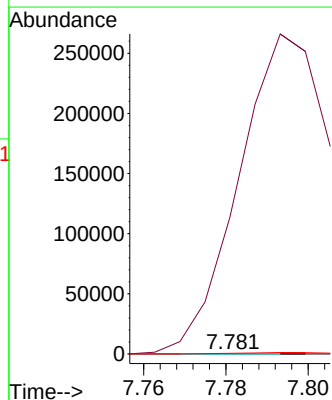
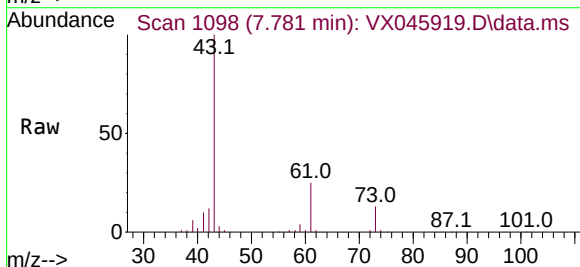
Instrument :
MSVOA_X
ClientSampleId :
PB167707TB

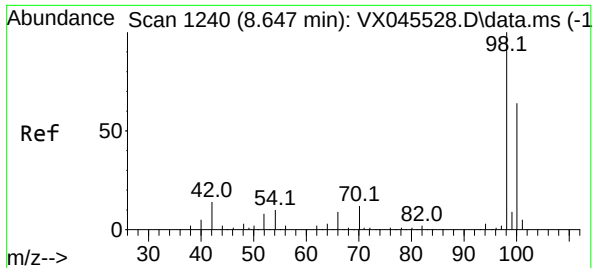
Tgt Ion: 41 Resp: 48433
Ion Ratio Lower Upper
41 100
69 0.1 58.2 87.2#
39 58.9 53.6 80.4



#49
1,4-Dioxane
Concen: 0.946 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.122 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 2255019.0 32.2 48.4#
58 10347.6 58.6 88.0#

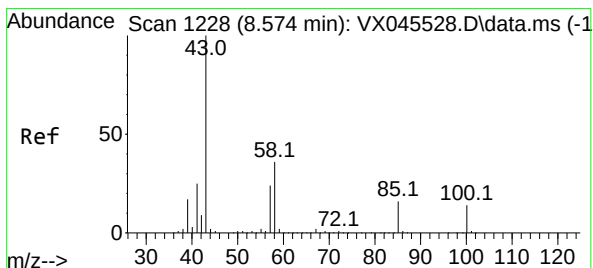
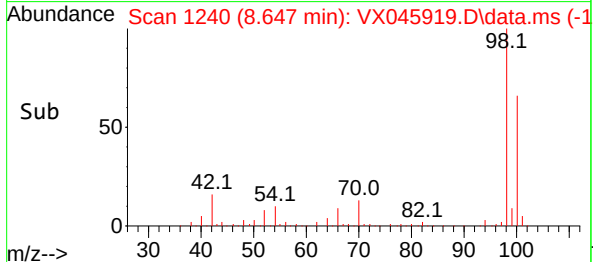
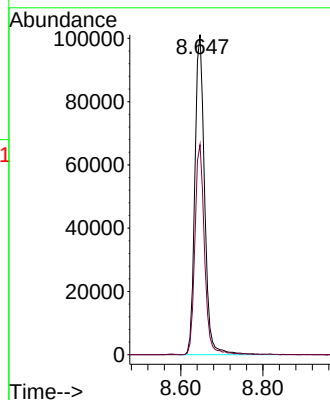
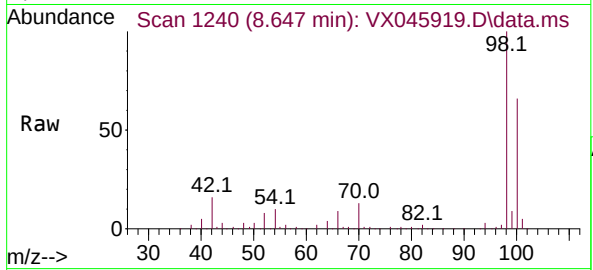




#50
Toluene-d8
Concen: 51.505 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

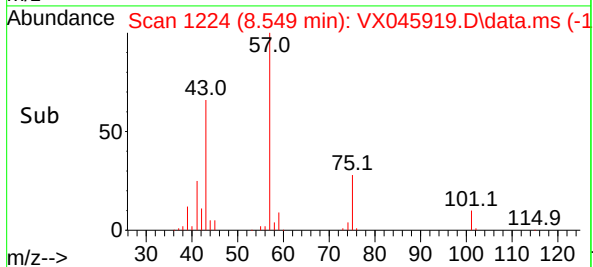
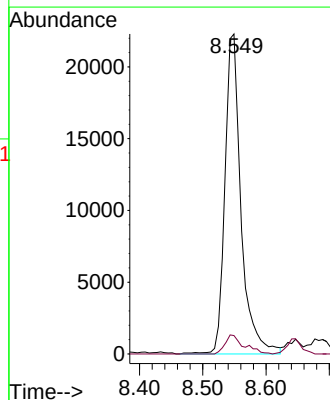
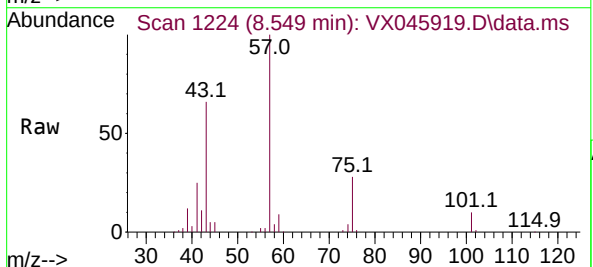
Instrument :
MSVOA_X
ClientSampleId :
PB167707TB

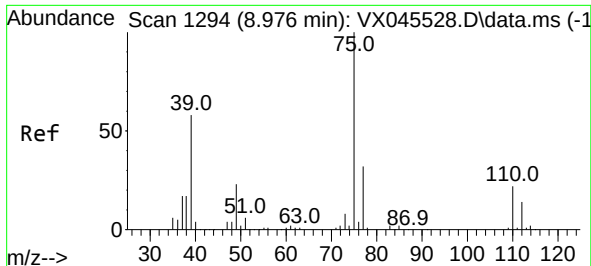
Tgt Ion: 98 Resp: 165710
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 24.969 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

Tgt Ion: 43 Resp: 39347
Ion Ratio Lower Upper
43 100
58 7.0 28.5 42.7#

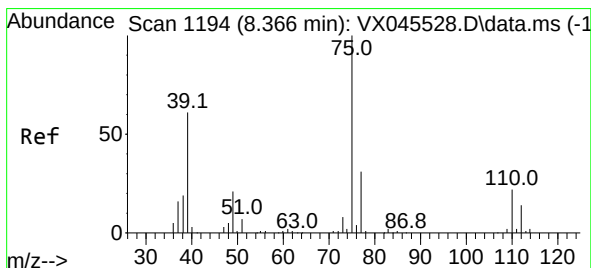
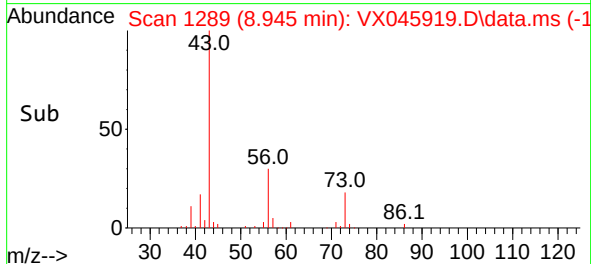
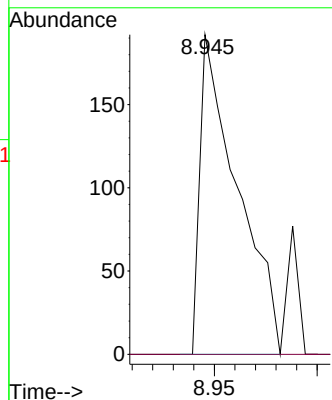
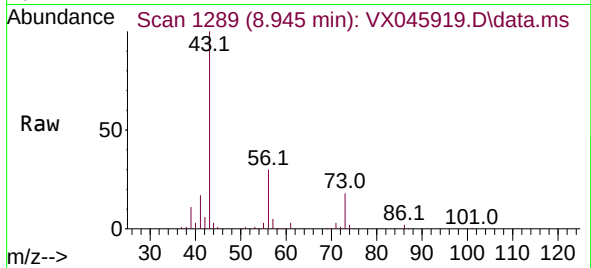




#53
 t-1,3-Dichloropropene
 Concen: 2.455 ug/l
 RT: 8.945 min Scan# 11
 Delta R.T. -0.031 min
 Lab File: VX045919.D
 Acq: 24 Apr 2025 12:04

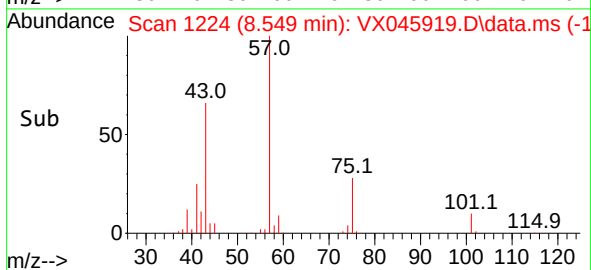
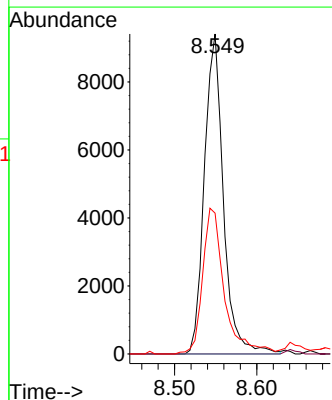
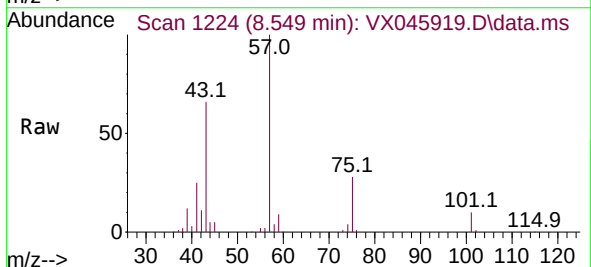
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167707TB

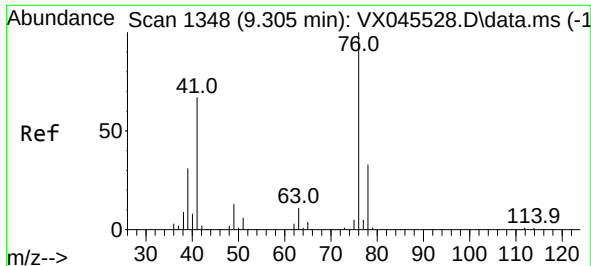
Tgt Ion: 75 Resp: 243
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 11.075 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX045919.D
 Acq: 24 Apr 2025 12:04

Tgt Ion: 75 Resp: 15132
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 43.4 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.961 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX045919.D

Acq: 24 Apr 2025 12:04

Instrument :

MSVOA_X

ClientSampleId :

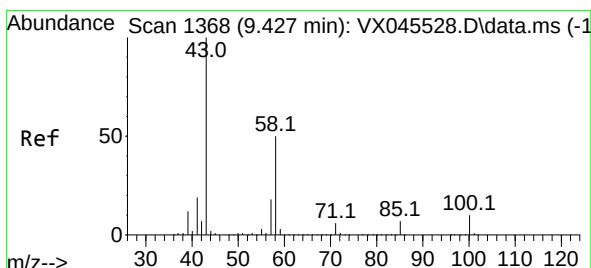
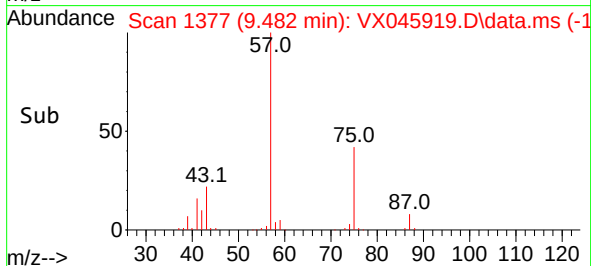
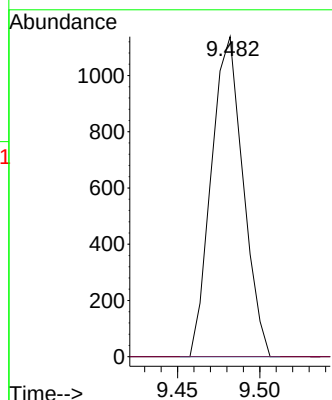
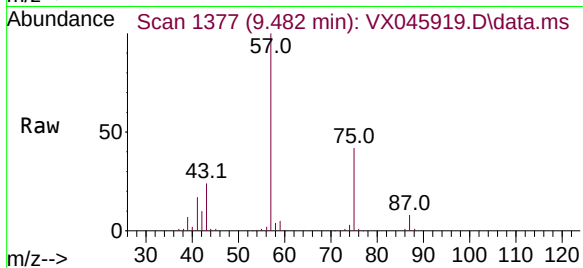
PB167707TB

Tgt Ion: 76 Resp: 1533

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 10.833 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045919.D

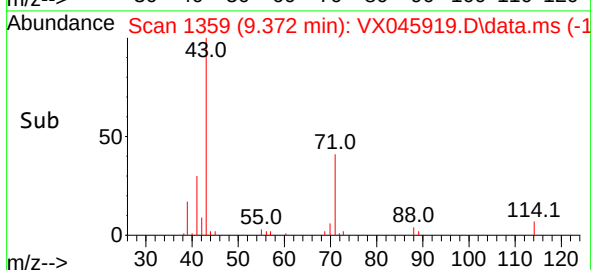
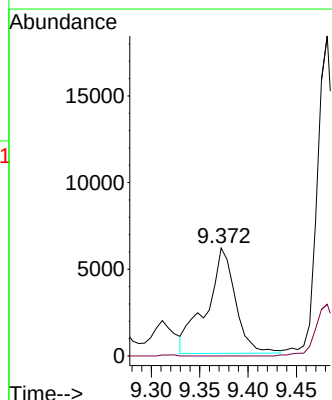
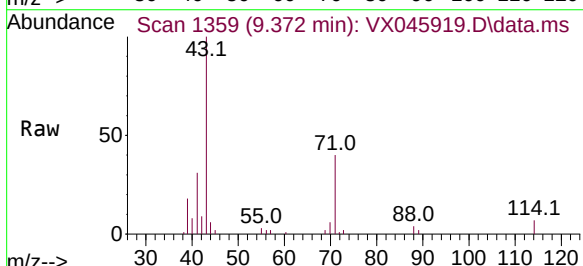
Acq: 24 Apr 2025 12:04

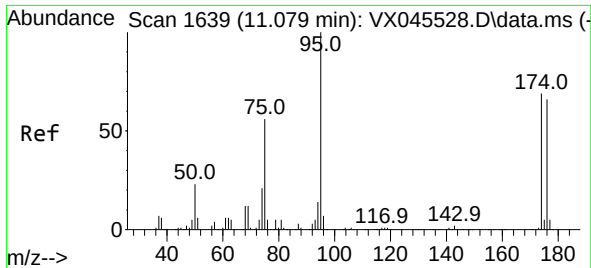
Tgt Ion: 43 Resp: 12642

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

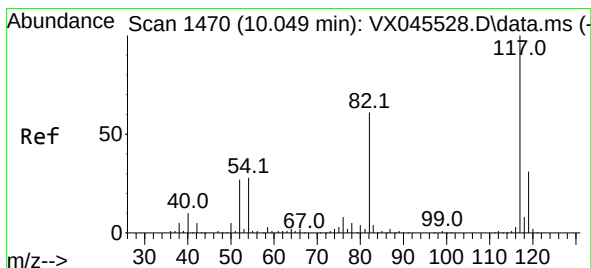
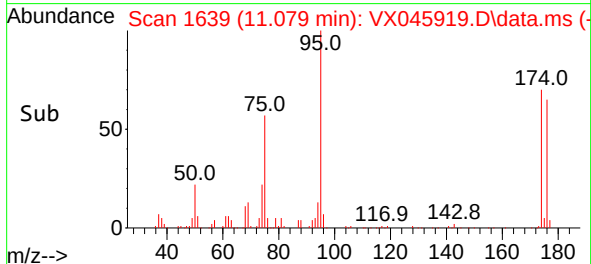
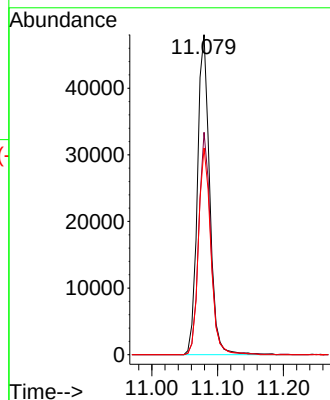
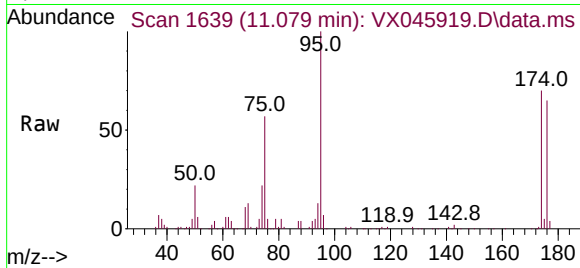




#62
4-Bromofluorobenzene
Concen: 52.854 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

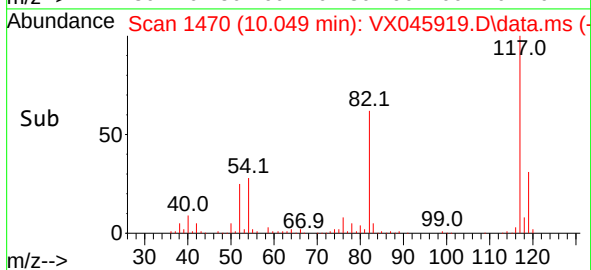
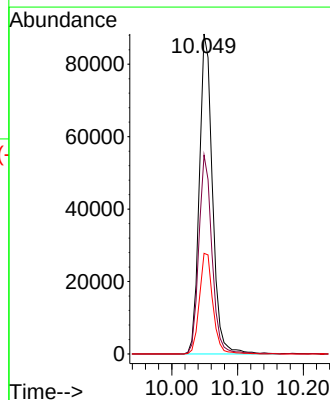
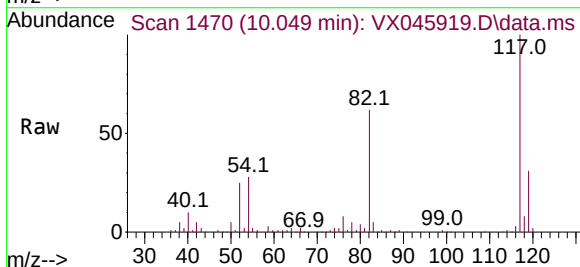
Instrument :
MSVOA_X
ClientSampleId :
PB167707TB

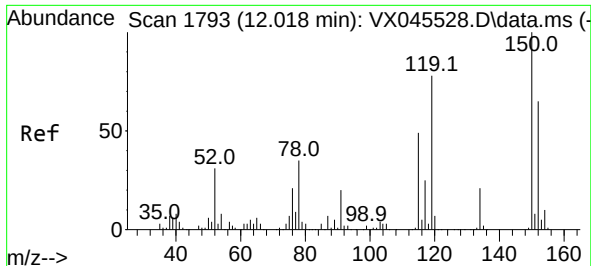
Tgt Ion: 95 Resp: 61941
Ion Ratio Lower Upper
95 100
174 68.3 0.0 135.8
176 65.1 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

Tgt Ion: 117 Resp: 122654
Ion Ratio Lower Upper
117 100
82 62.2 49.2 73.8
119 31.5 25.1 37.7

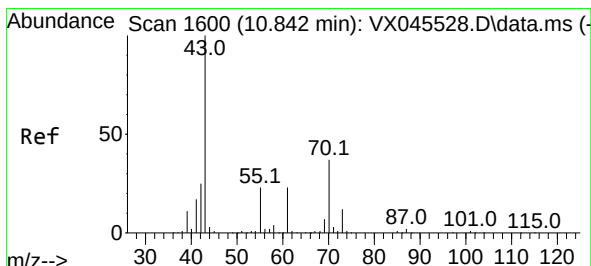
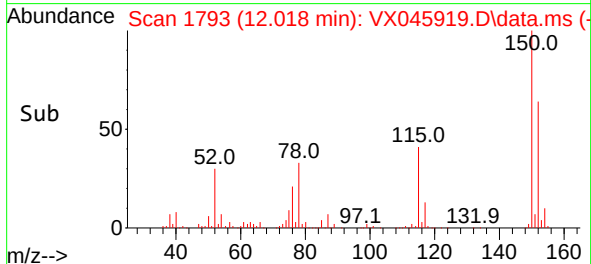
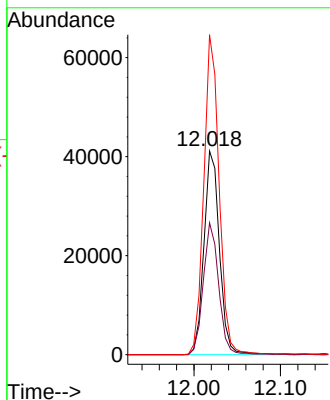
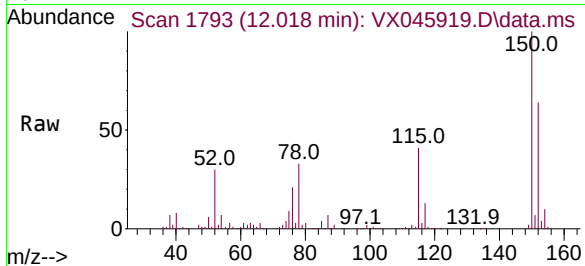




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

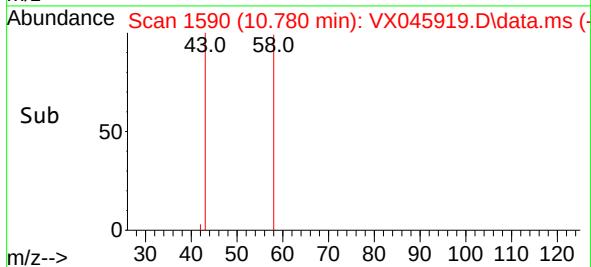
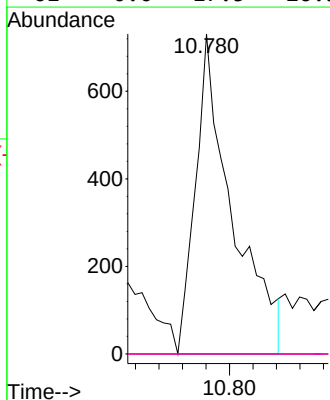
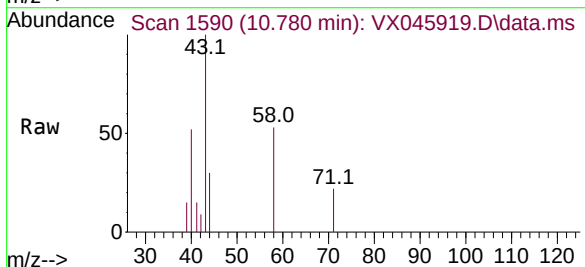
Instrument :
MSVOA_X
ClientSampleId :
PB167707TB

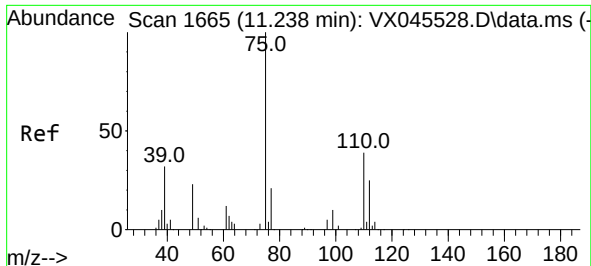
Tgt Ion:152 Resp: 51172
Ion Ratio Lower Upper
152 100
115 64.6 46.9 140.7
150 156.1 0.0 349.4



#74
N-ethyl acetate
Concen: 0.805 ug/l
RT: 10.780 min Scan# 1590
Delta R.T. -0.061 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

Tgt Ion: 43 Resp: 1579
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#

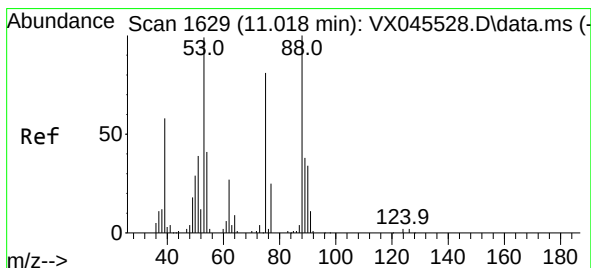
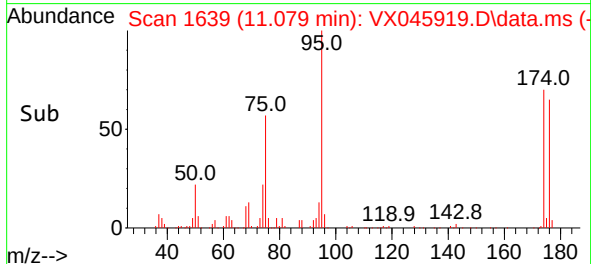
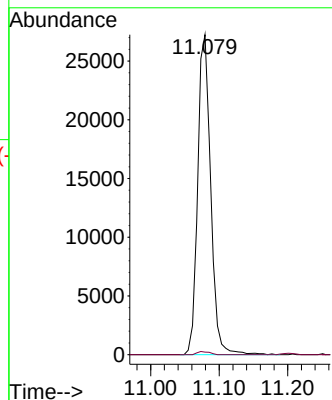
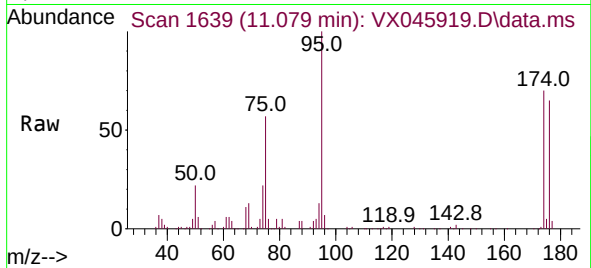




#76
1,2,3-Trichloropropane
Concen: 28.846 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

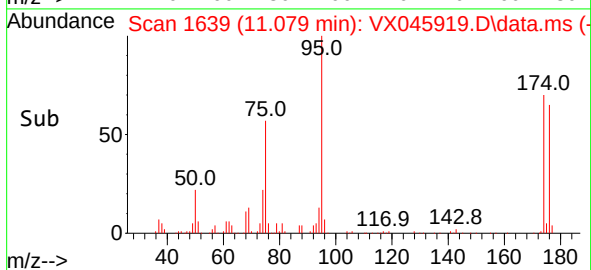
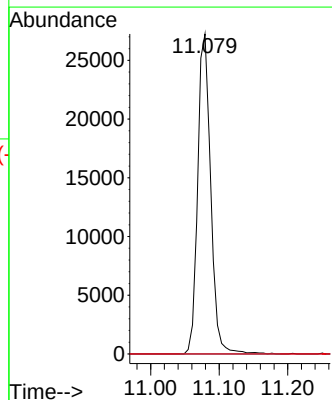
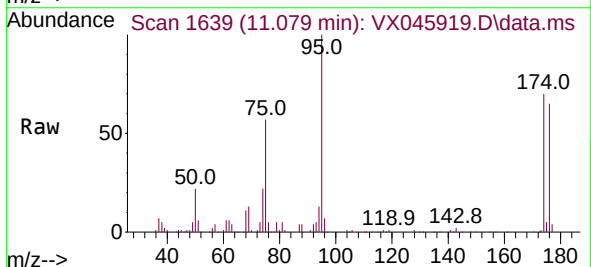
Instrument :
MSVOA_X
ClientSampleId :
PB167707TB

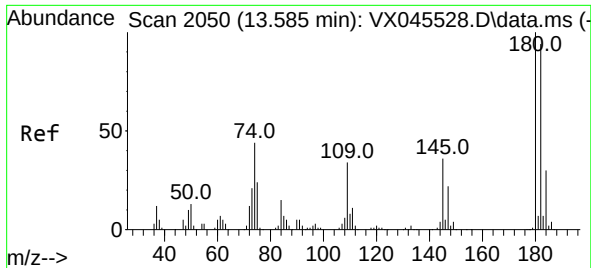
Tgt Ion: 75 Resp: 36006
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.900 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

Tgt Ion: 75 Resp: 36006
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

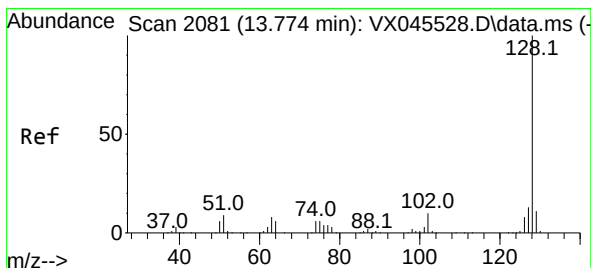
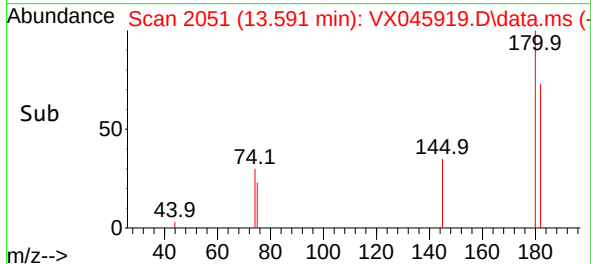
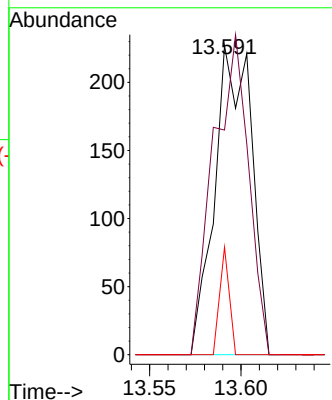
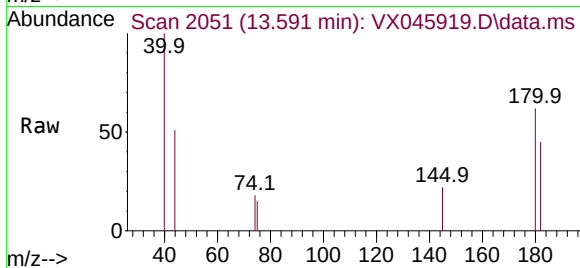




#93
1,2,4-Trichlorobenzene
Concen: 0.334 ug/l
RT: 13.591 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

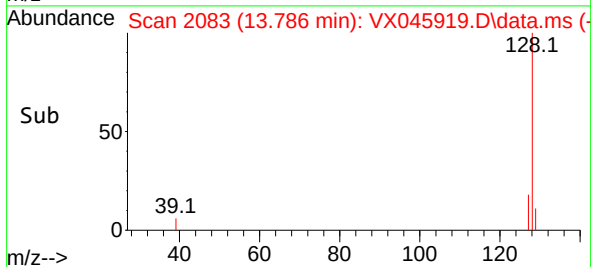
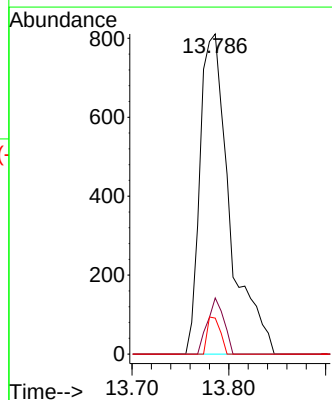
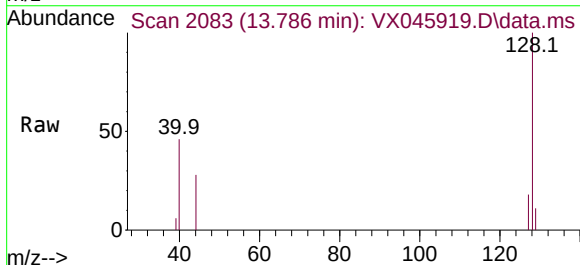
Instrument :
MSVOA_X
ClientSampleId :
PB167707TB

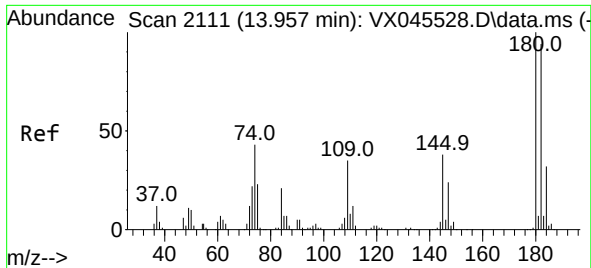
Tgt Ion:180 Resp: 319
Ion Ratio Lower Upper
180 100
182 98.1 47.9 143.6
145 9.1 17.9 53.8#



#95
Naphthalene
Concen: 0.488 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX045919.D
Acq: 24 Apr 2025 12:04

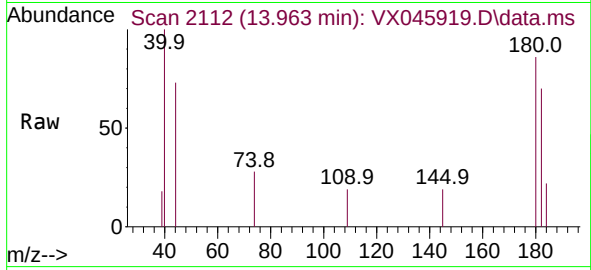
Tgt Ion:128 Resp: 1732
Ion Ratio Lower Upper
128 100
127 9.7 10.3 15.5#
129 5.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.415 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.006 min
 Lab File: VX045919.D
 Acq: 24 Apr 2025 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167707TB



Tgt Ion:180 Resp: 415
 Ion Ratio Lower Upper
 180 100
 182 60.5 47.3 141.8
 145 5.3 18.2 54.6#

