

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045703.D
 Acq On : 10 Apr 2025 16:56
 Operator : JC/MD
 Sample : PB167534ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#09

Quant Time: Apr 11 02:00:00 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)

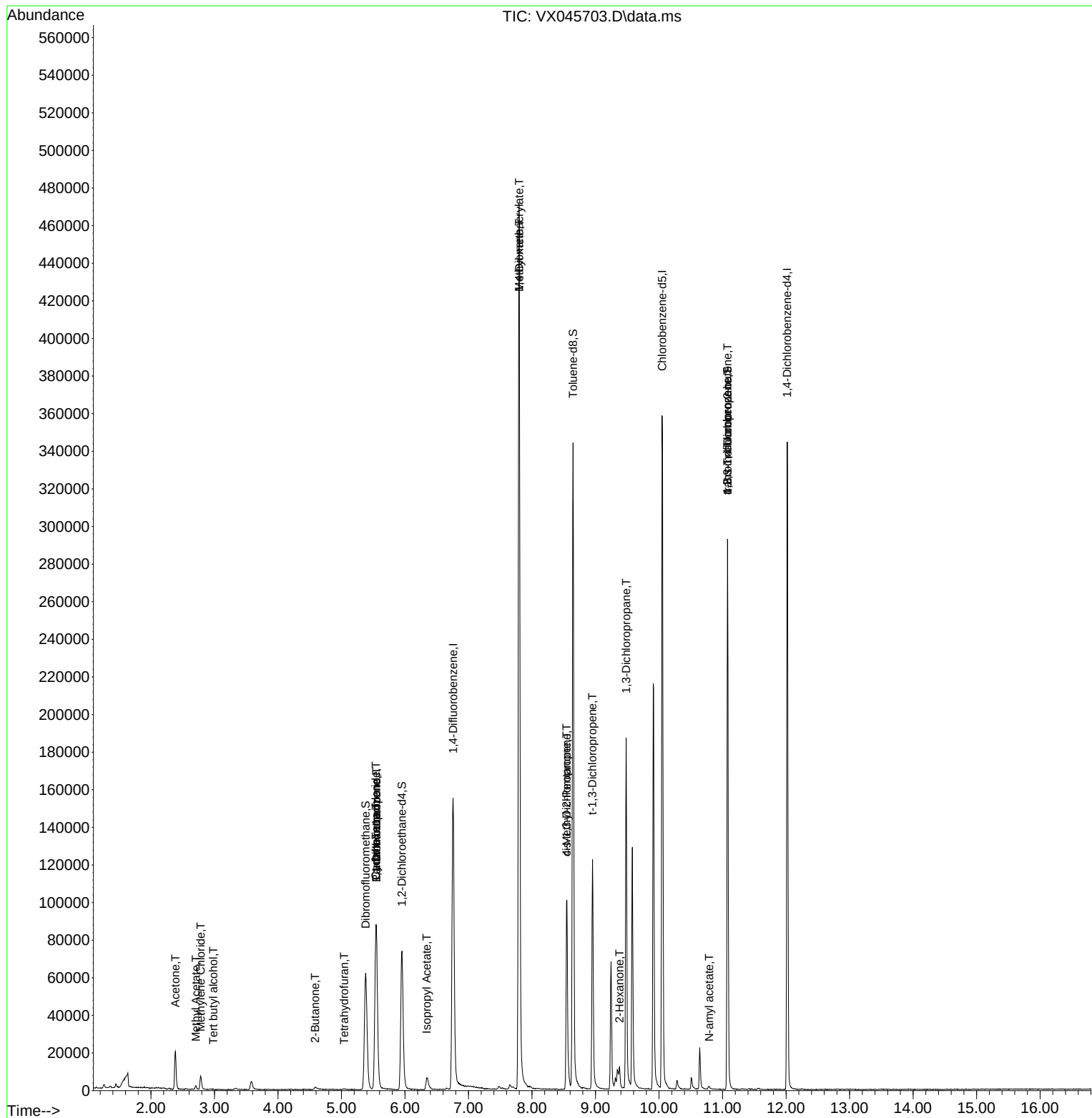
Internal Standards						
1) Pentafluorobenzene	5.550	168	75761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152531	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	145074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75534	54.519	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.040%			
35) Dibromofluoromethane	5.379	113	53062	49.031	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.060%			
50) Toluene-d8	8.647	98	192302	50.909	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.820%			
62) 4-Bromofluorobenzene	11.079	95	74518	54.160	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.320%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.983	59	224	1.203	ug/l #	72
16) Acetone	2.386	43	23501	41.309	ug/l	98
18) Methyl Acetate	2.709	43	2398	1.831	ug/l	94
20) Methylene Chloride	2.782	84	3208	3.012	ug/l #	91
25) 2-Butanone	4.586	43	3011	3.616	ug/l #	78
29) Tetrahydrofuran	5.044	42	185	0.343	ug/l	92
31) Cyclohexane	5.544	56	2162	1.272	ug/l #	42
36) 1,1-Dichloropropene	5.550	75	7719	5.283	ug/l #	51
38) Carbon Tetrachloride	5.544	117	9285	5.880	ug/l #	16
43) Isopropyl Acetate	6.342	43	9725	3.485	ug/l	99
48) Methyl methacrylate	7.799	41	47296	32.822	ug/l #	50
49) 1,4-Dioxane	7.799	88	74	2.838	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	40894	22.103	ug/l #	52
53) t-1,3-Dichloropropene	8.951	75	287	2.456	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	15404	9.603	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	1569	0.837	ug/l #	42
59) 2-Hexanone	9.378	43	10152	7.410	ug/l #	28
74) N-amyl acetate	10.787	43	1254	0.519	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	44138	28.715	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	44138	97.455	ug/l #	1

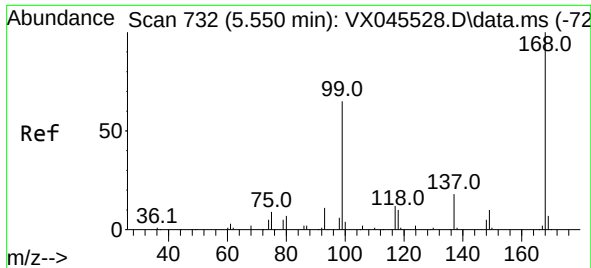
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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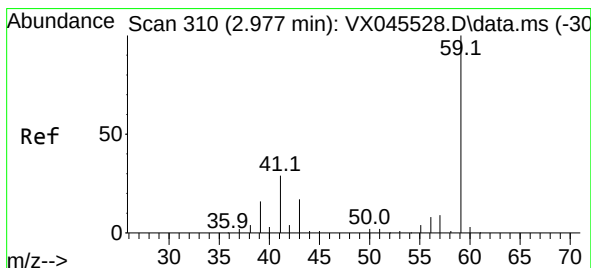
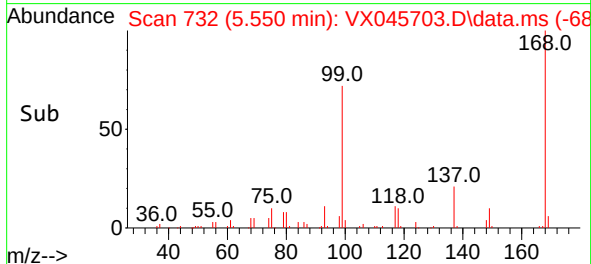
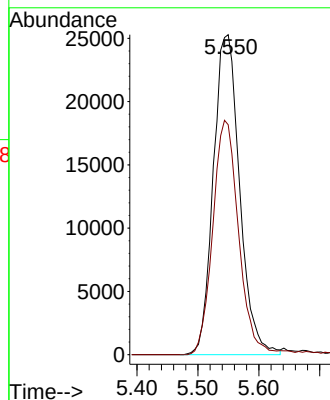
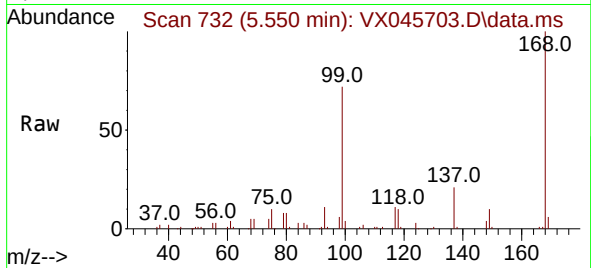




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX045703.D
Acq: 10 Apr 2025 16:56

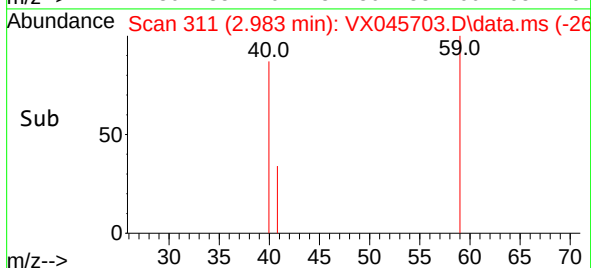
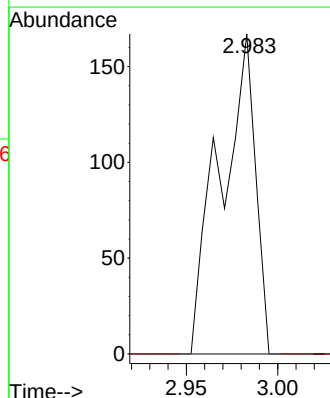
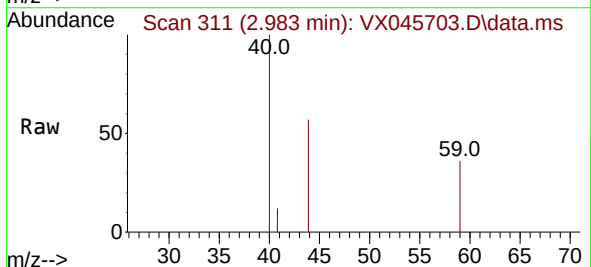
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#09

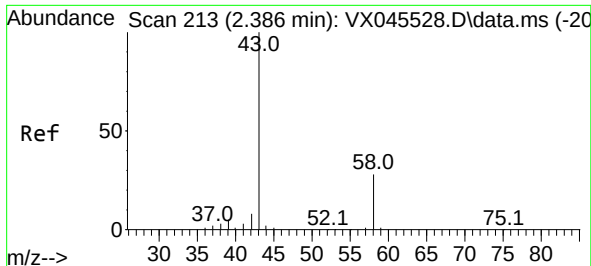
Tgt Ion:168 Resp: 75761
Ion Ratio Lower Upper
168 100
99 71.8 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.203 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX045703.D
Acq: 10 Apr 2025 16:56

Tgt Ion: 59 Resp: 224
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

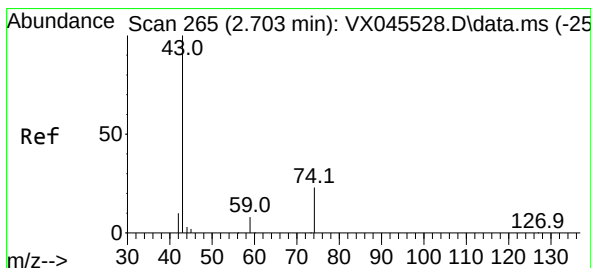
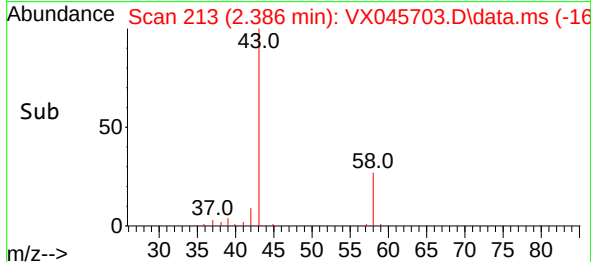
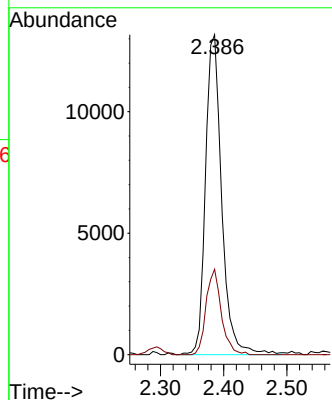
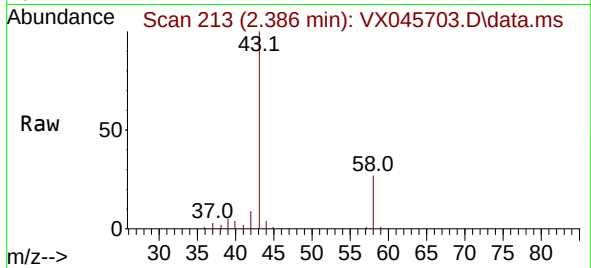




#16
Acetone
Concen: 41.309 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045703.D
Acq: 10 Apr 2025 16:56

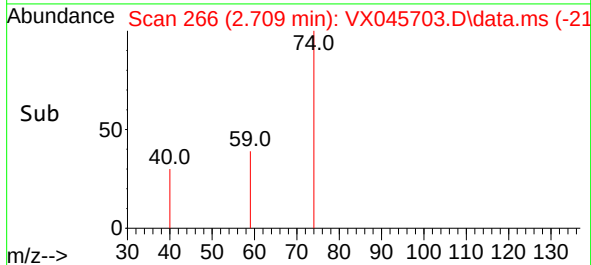
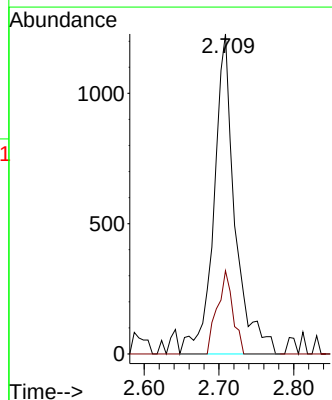
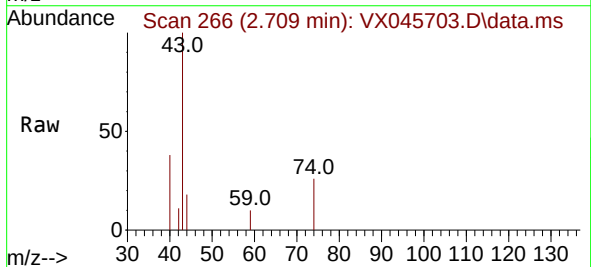
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#09

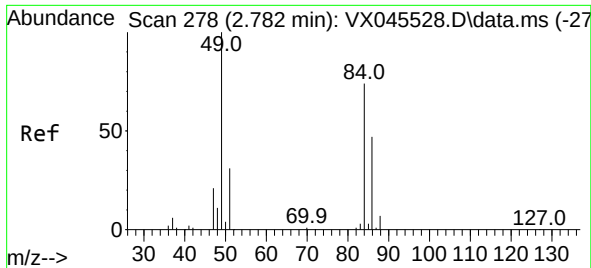
Tgt Ion: 43 Resp: 23501
Ion Ratio Lower Upper
43 100
58 26.7 22.3 33.5



#18
Methyl Acetate
Concen: 1.831 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045703.D
Acq: 10 Apr 2025 16:56

Tgt Ion: 43 Resp: 2398
Ion Ratio Lower Upper
43 100
74 19.1 17.5 26.3

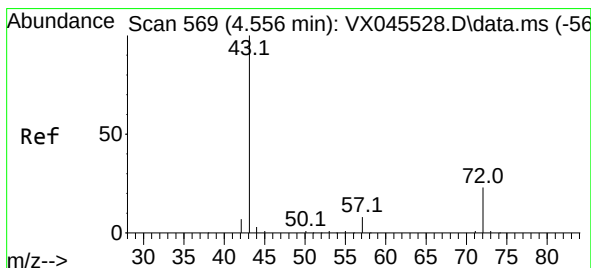
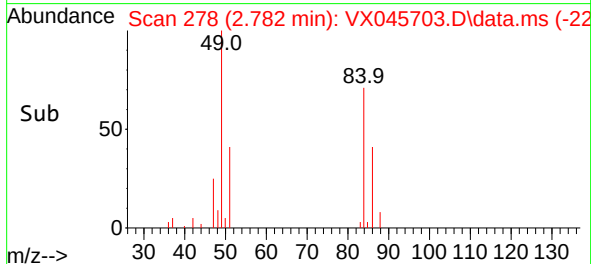
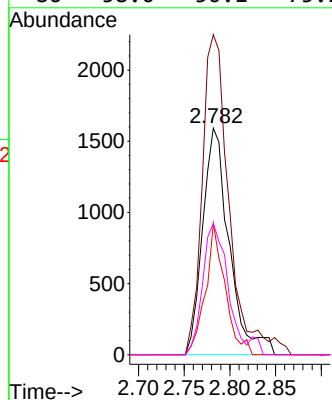
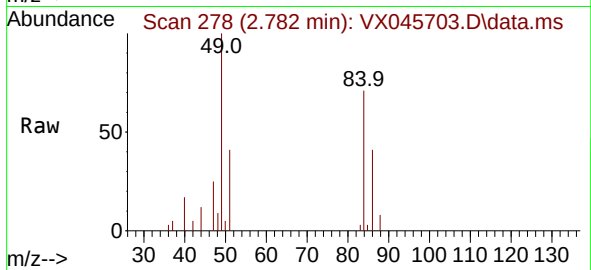




#20
Methylene Chloride
Concen: 3.012 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045703.D
Acq: 10 Apr 2025 16:56

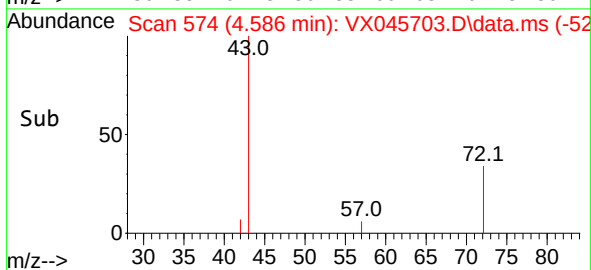
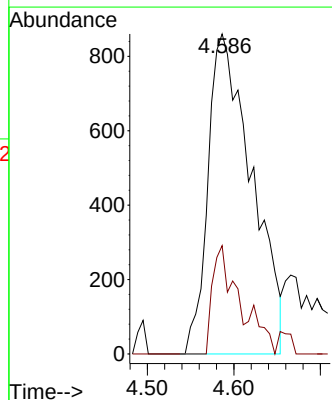
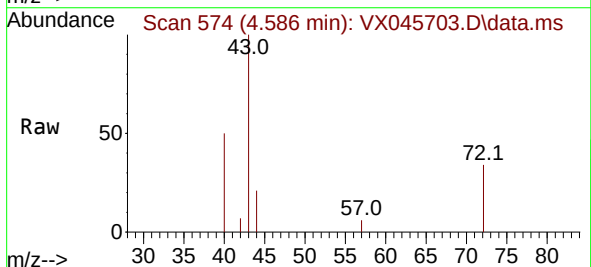
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#09

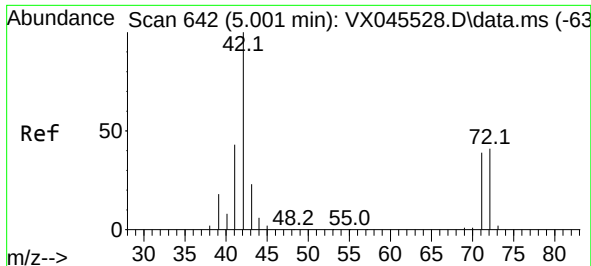
Tgt Ion:	84	Resp:	3208
Ion	Ratio	Lower	Upper
84	100		
49	141.2	107.5	161.3
51	57.9	33.0	49.6#
86	58.0	50.1	75.1



#25
2-Butanone
Concen: 3.616 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX045703.D
Acq: 10 Apr 2025 16:56

Tgt Ion:	43	Resp:	3011
Ion	Ratio	Lower	Upper
43	100		
72	33.8	18.6	28.0#





#29

Tetrahydrofuran

Concen: 0.343 ug/l

RT: 5.044 min Scan# 642

Delta R.T. 0.043 min

Lab File: VX045703.D

Acq: 10 Apr 2025 16:56

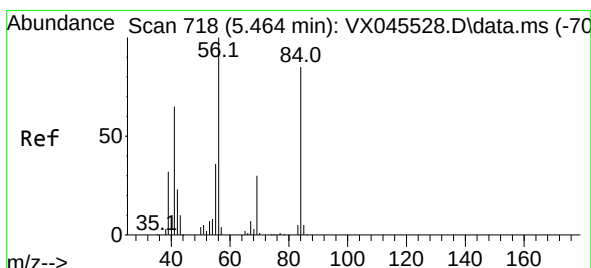
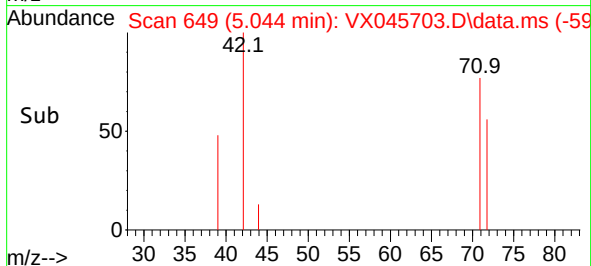
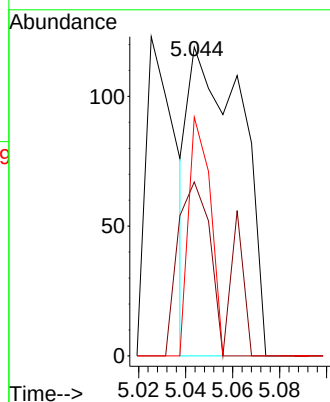
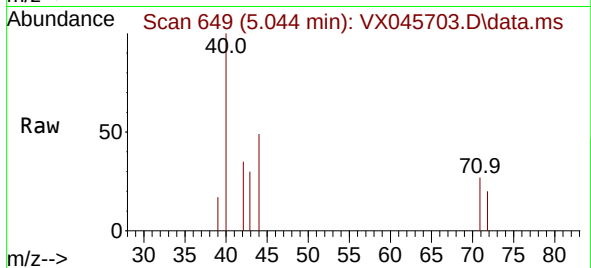
Instrument :

MSVOA_X

ClientSampleId :

PB167534ZHE#09

Tgt Ion:	42	Resp:	185
Ion	Ratio	Lower	Upper
42	100		
72	45.4	33.4	50.0
71	32.4	31.4	47.0



#31

Cyclohexane

Concen: 1.272 ug/l

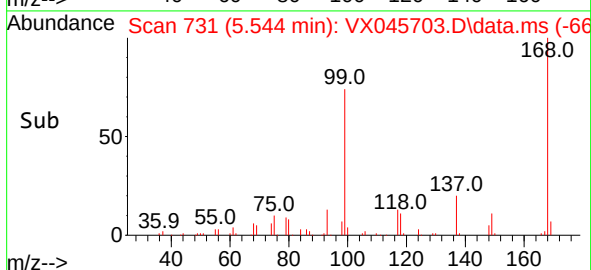
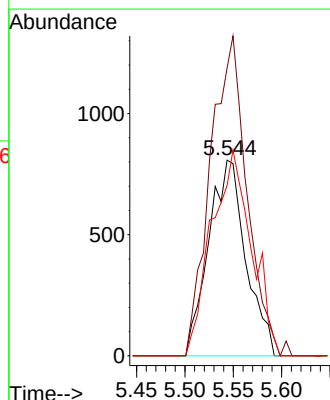
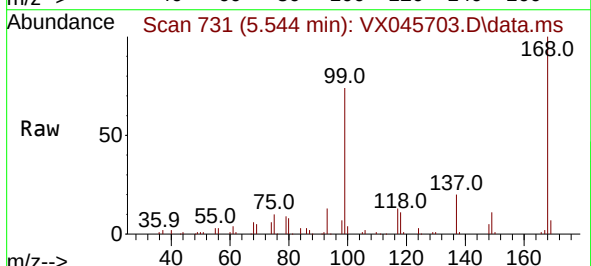
RT: 5.544 min Scan# 731

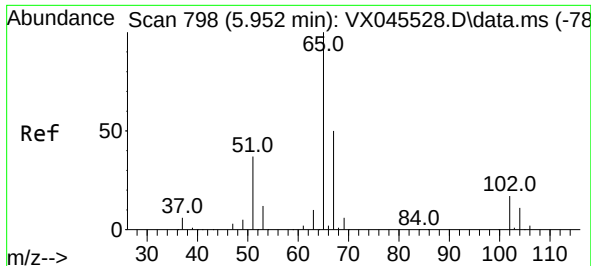
Delta R.T. 0.079 min

Lab File: VX045703.D

Acq: 10 Apr 2025 16:56

Tgt Ion:	56	Resp:	2162
Ion	Ratio	Lower	Upper
56	100		
69	146.9	23.6	35.4#
84	87.0	67.7	101.5





#33

1,2-Dichloroethane-d4

Concen: 54.519 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045703.D

Acq: 10 Apr 2025 16:56

Instrument :

MSVOA_X

ClientSampleId :

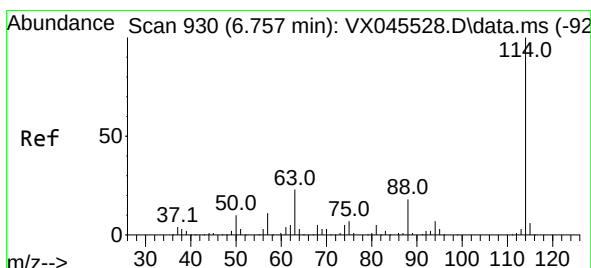
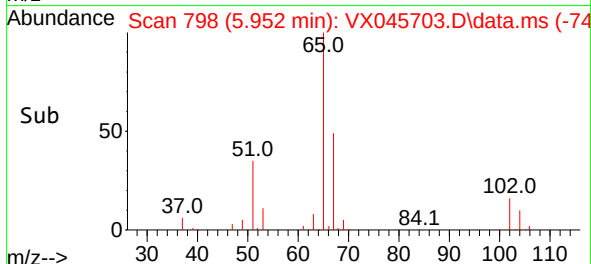
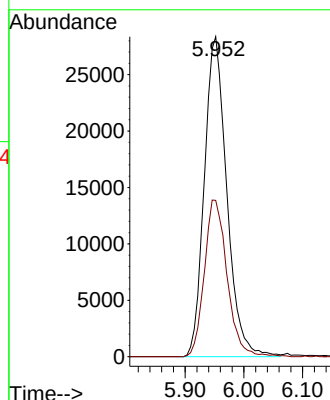
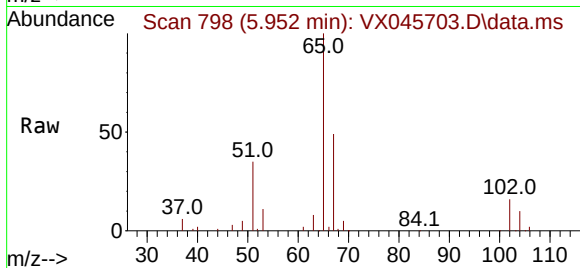
PB167534ZHE#09

Tgt Ion: 65 Resp: 75534

Ion Ratio Lower Upper

65 100

67 49.5 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: VX045703.D

Acq: 10 Apr 2025 16:56

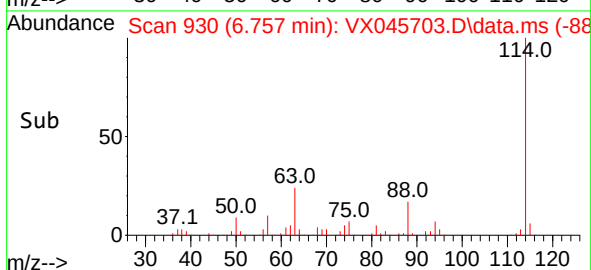
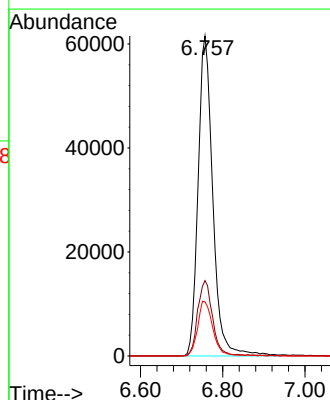
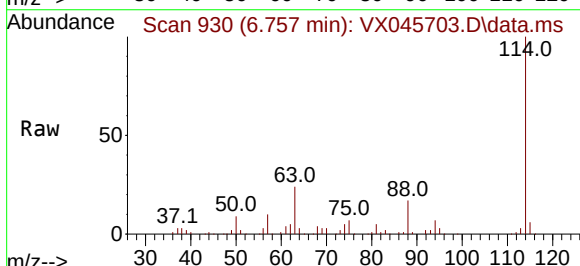
Tgt Ion: 114 Resp: 152531

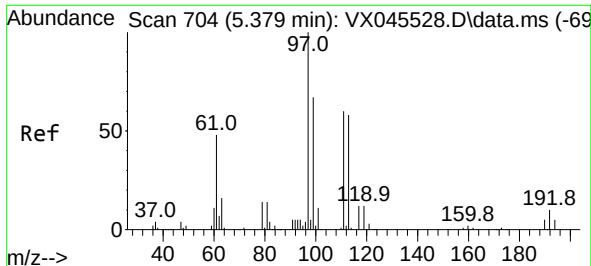
Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.8

88 16.9 0.0 35.4

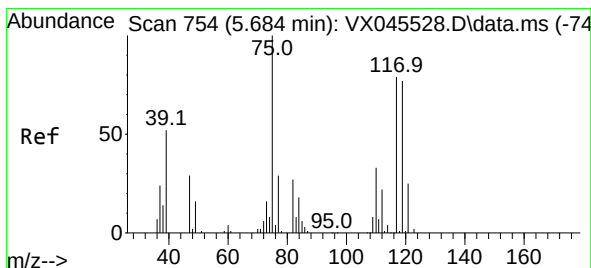
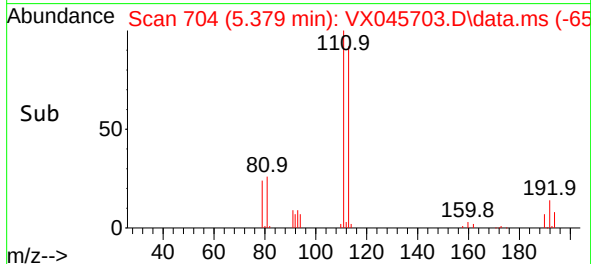
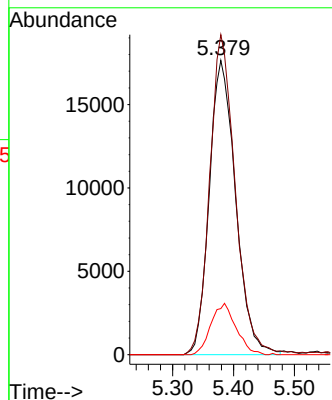
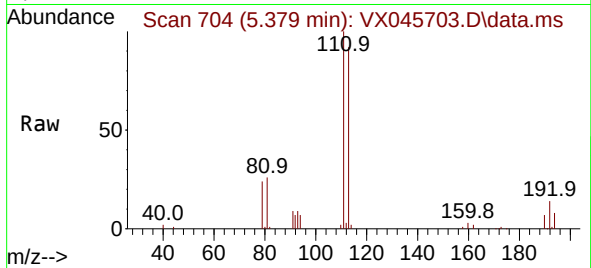




#35
Dibromofluoromethane
Concen: 49.031 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045703.D
Acq: 10 Apr 2025 16:56

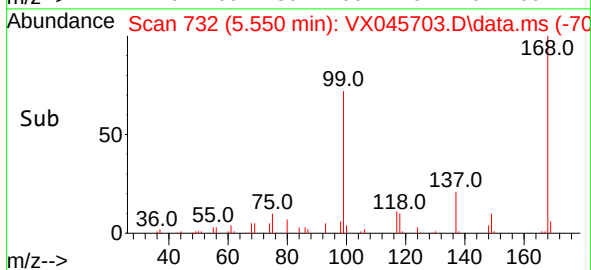
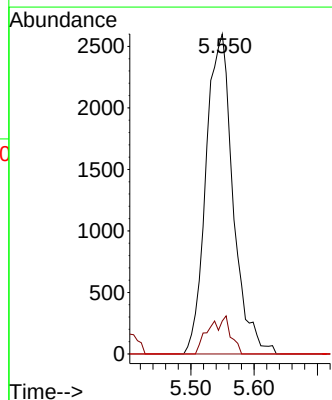
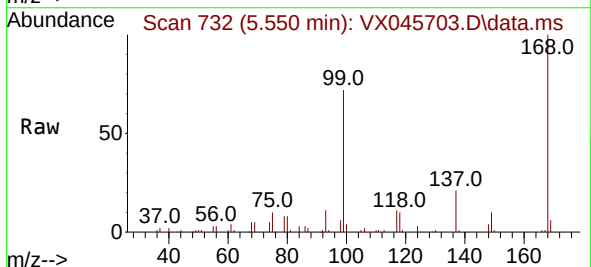
Instrument :
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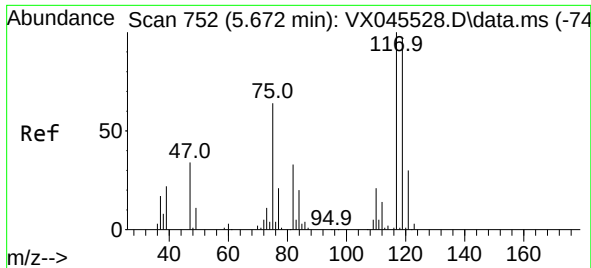
Tgt Ion:113 Resp: 53062
Ion Ratio Lower Upper
113 100
111 105.5 81.8 122.6
192 16.6 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.283 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX045703.D
Acq: 10 Apr 2025 16:56

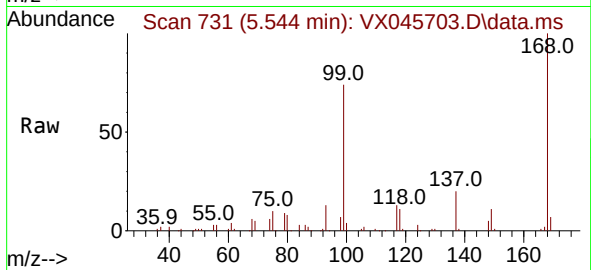
Tgt Ion: 75 Resp: 7719
Ion Ratio Lower Upper
75 100
110 9.5 16.9 50.6#
77 0.0 25.0 37.4#



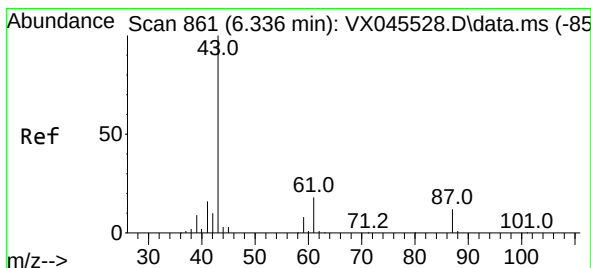
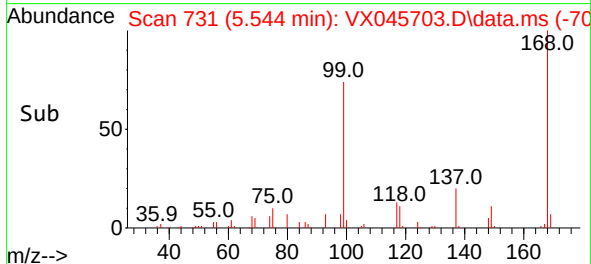
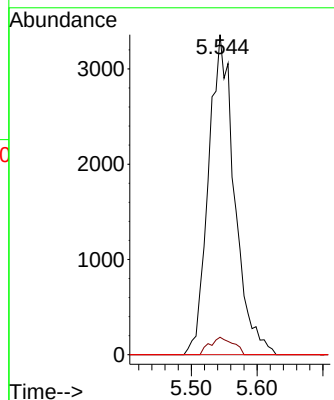


#38
Carbon Tetrachloride
Concen: 5.880 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045703.D
Acq: 10 Apr 2025 16:56

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#09

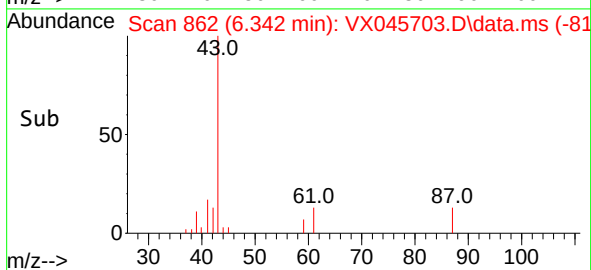
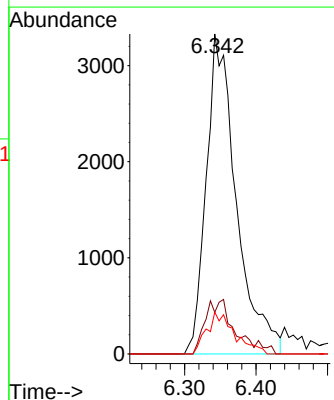
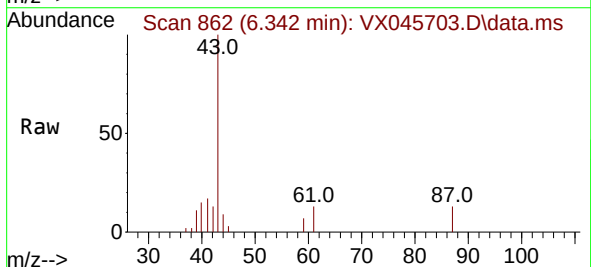


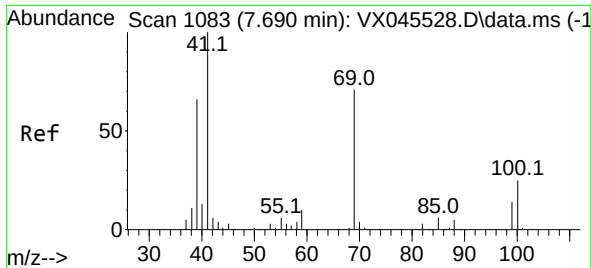
Tgt Ion:117 Resp: 9285
Ion Ratio Lower Upper
117 100
119 5.4 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.485 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045703.D
Acq: 10 Apr 2025 16:56

Tgt Ion: 43 Resp: 9725
Ion Ratio Lower Upper
43 100
61 17.0 14.1 21.1
87 12.1 9.2 13.8

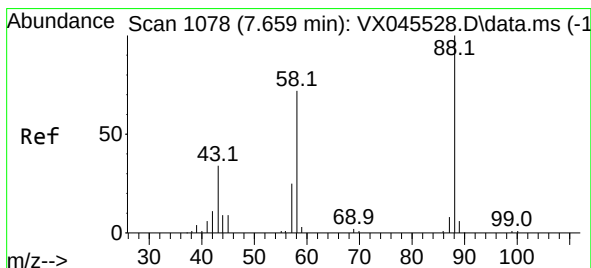
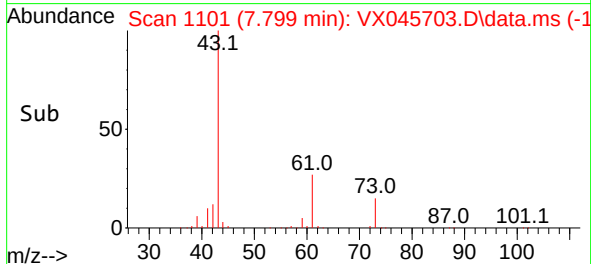
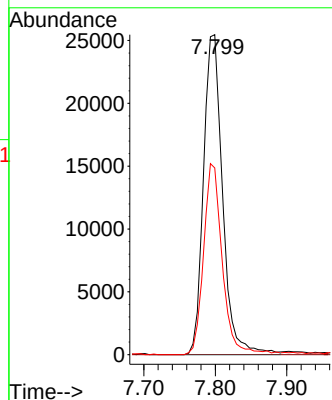
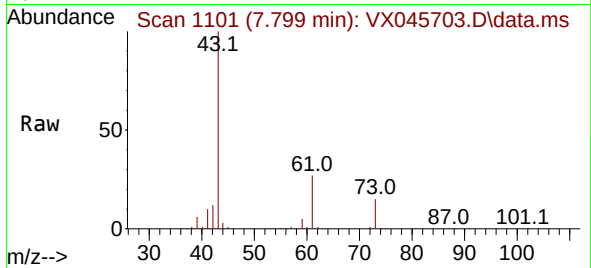




#48
Methyl methacrylate
Concen: 32.822 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX045703.D
Acq: 10 Apr 2025 16:56

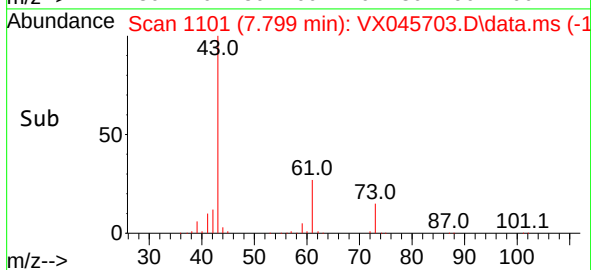
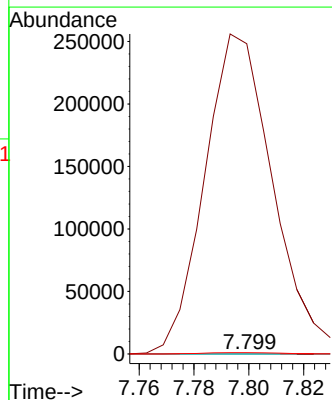
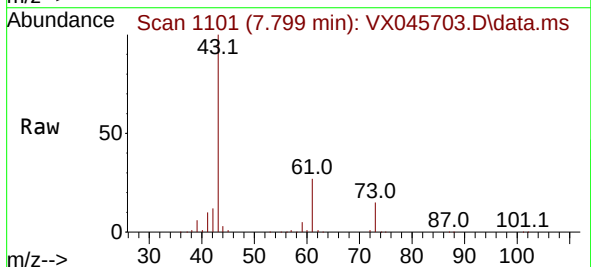
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#09

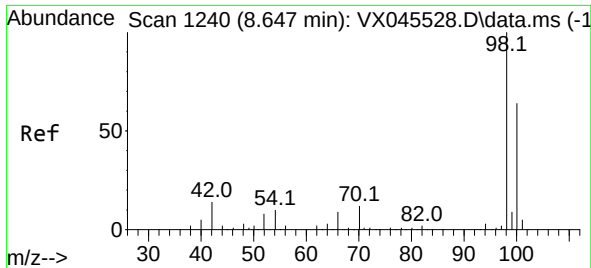
Tgt Ion: 41 Resp: 47296
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.3 53.6 80.4



#49
1,4-Dioxane
Concen: 2.838 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX045703.D
Acq: 10 Apr 2025 16:56

Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 618937.8 32.2 48.4#
58 2867.6 58.6 88.0#

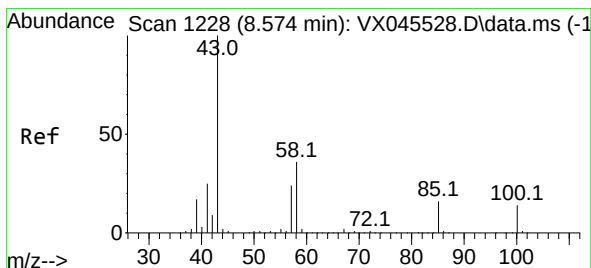
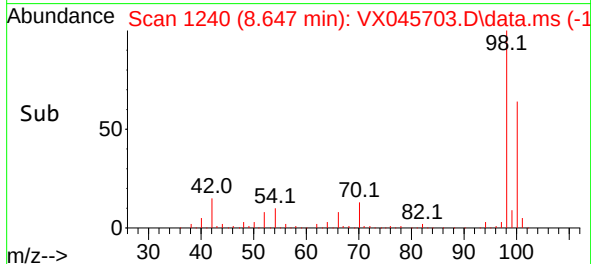
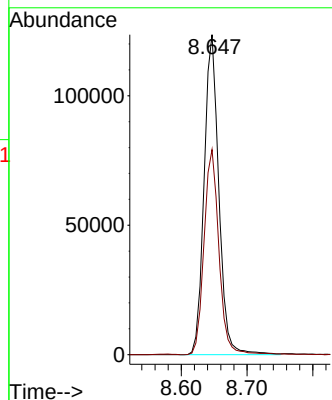
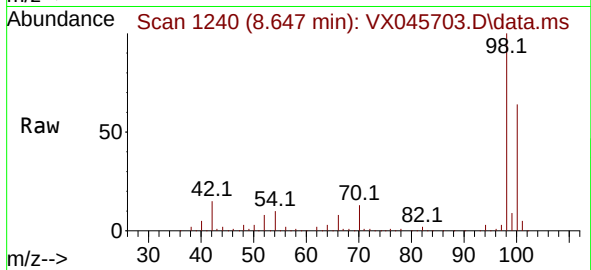




#50
Toluene-d8
Concen: 50.909 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045703.D
Acq: 10 Apr 2025 16:56

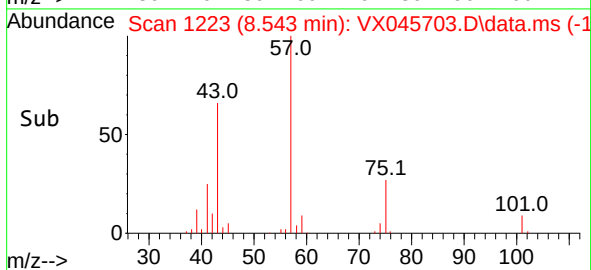
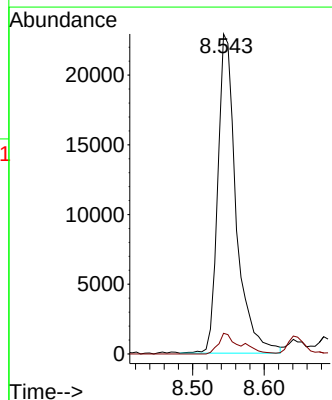
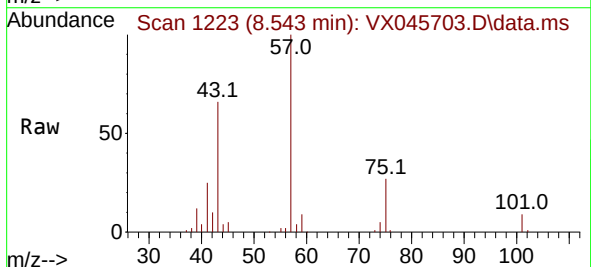
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#09

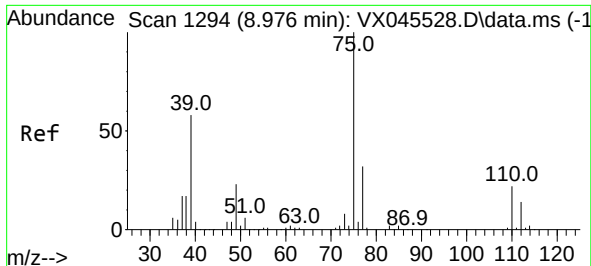
Tgt Ion: 98 Resp: 192302
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 22.103 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX045703.D
Acq: 10 Apr 2025 16:56

Tgt Ion: 43 Resp: 40894
Ion Ratio Lower Upper
43 100
58 7.7 28.5 42.7#

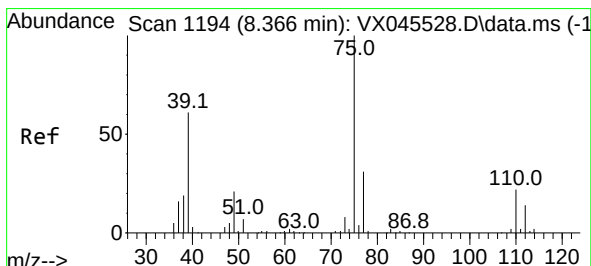
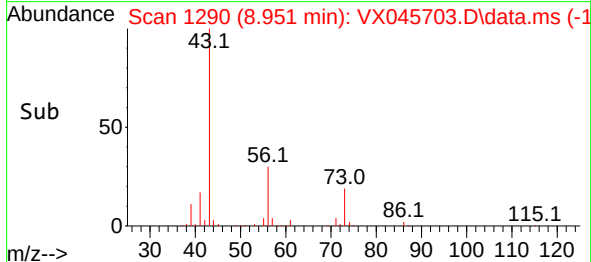
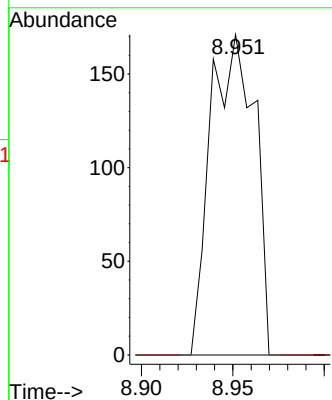
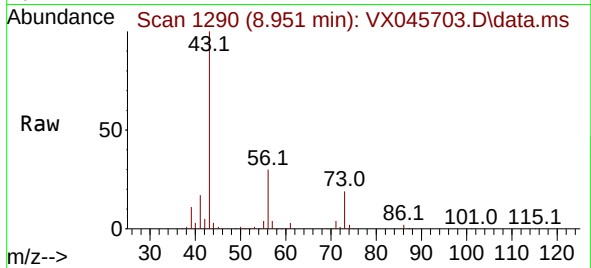




#53
t-1,3-Dichloropropene
Concen: 2.456 ug/l
RT: 8.951 min Scan# 1123
Delta R.T. -0.025 min
Lab File: VX045703.D
Acq: 10 Apr 2025 16:56

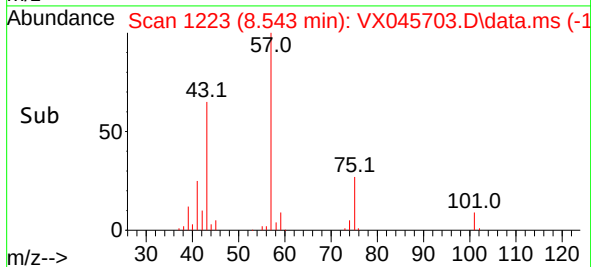
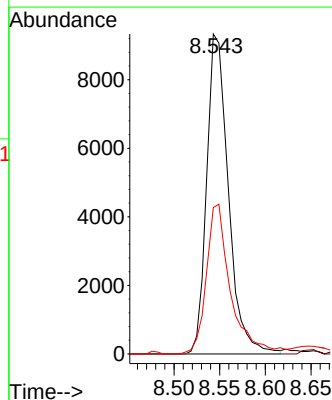
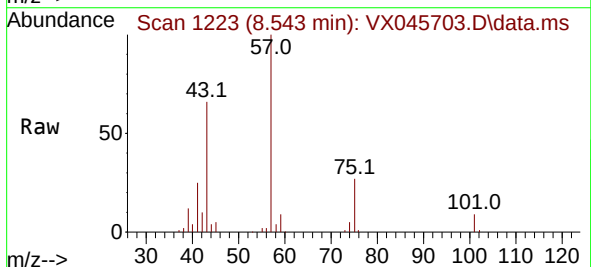
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#09

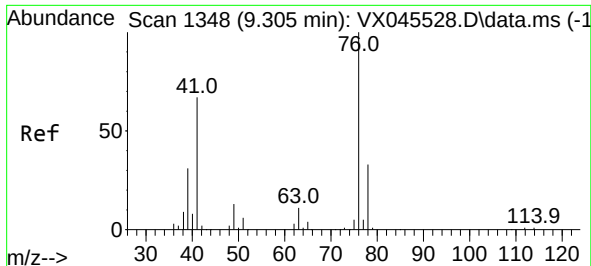
Tgt Ion: 75 Resp: 287
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 9.603 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. 0.177 min
Lab File: VX045703.D
Acq: 10 Apr 2025 16:56

Tgt Ion: 75 Resp: 15404
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 45.8 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.837 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX045703.D

Acq: 10 Apr 2025 16:56

Instrument :

MSVOA_X

ClientSampleId :

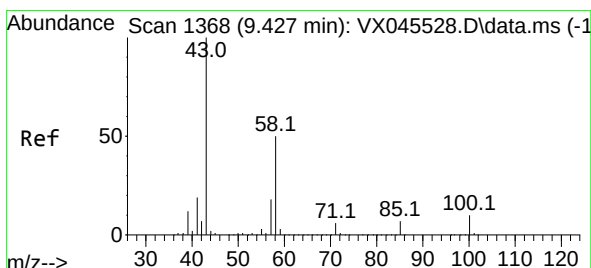
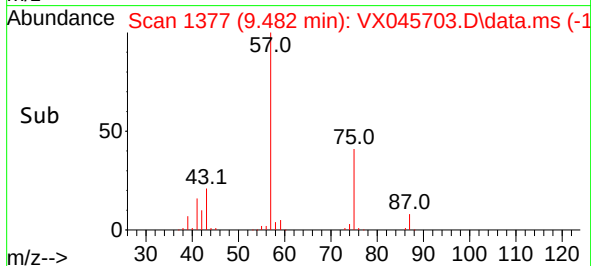
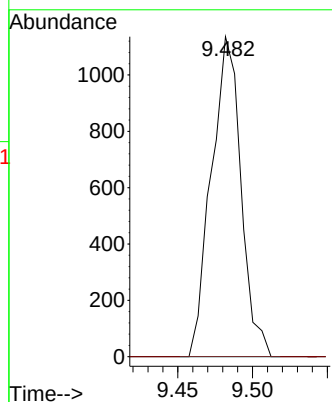
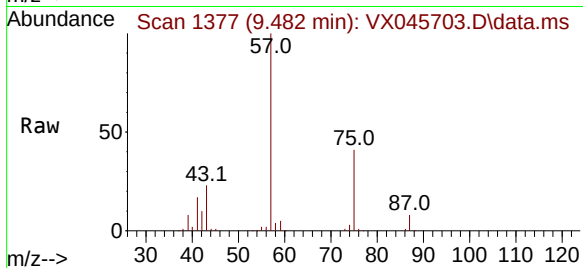
PB167534ZHE#09

Tgt Ion: 76 Resp: 1569

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 7.410 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045703.D

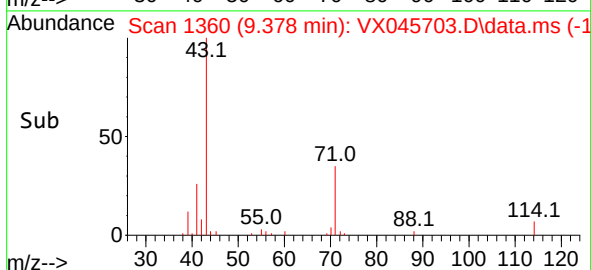
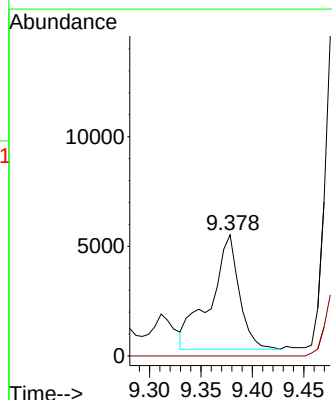
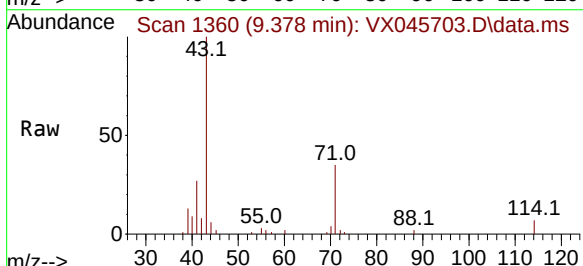
Acq: 10 Apr 2025 16:56

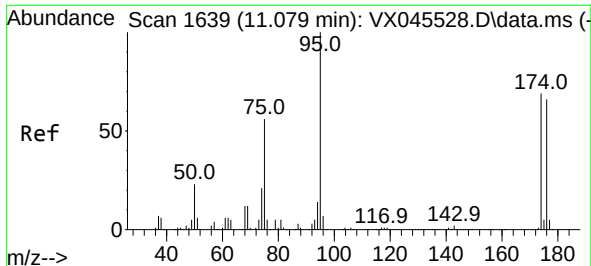
Tgt Ion: 43 Resp: 10152

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

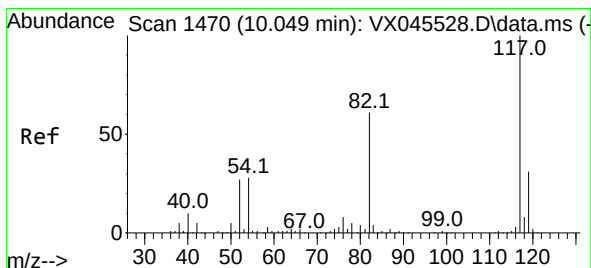
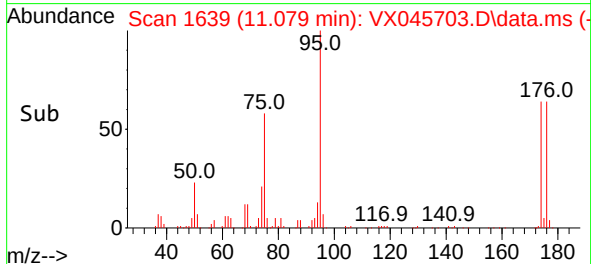
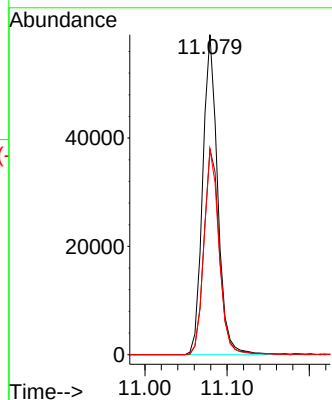
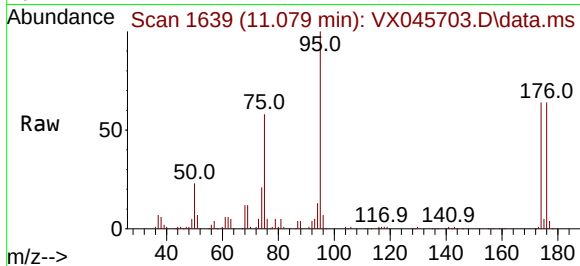




#62
4-Bromofluorobenzene
Concen: 54.160 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045703.D
Acq: 10 Apr 2025 16:56

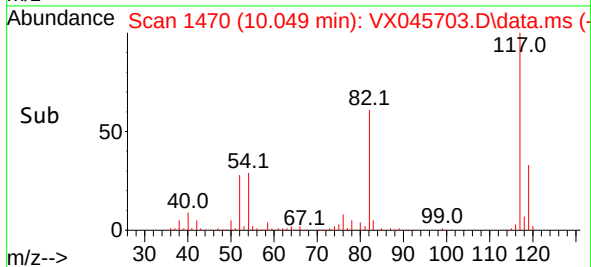
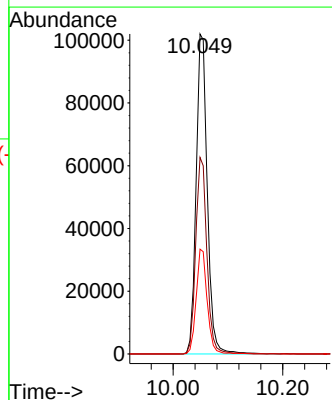
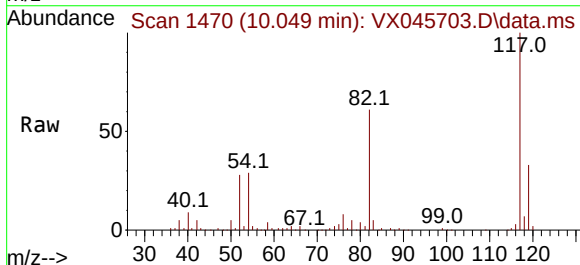
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#09

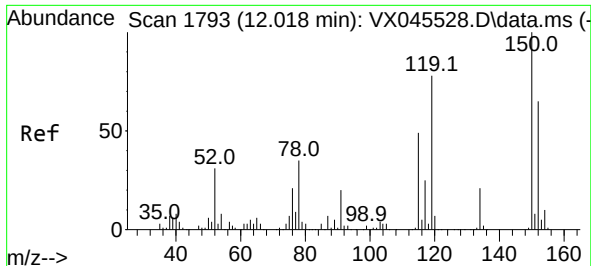
Tgt Ion: 95 Resp: 74518
Ion Ratio Lower Upper
95 100
174 66.5 0.0 135.8
176 65.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045703.D
Acq: 10 Apr 2025 16:56

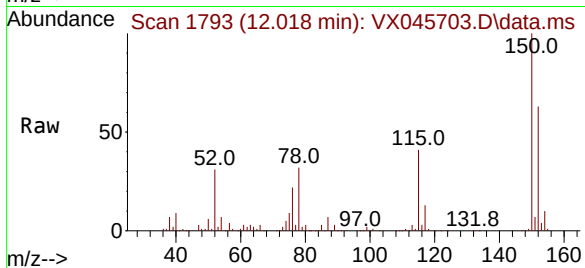
Tgt Ion: 117 Resp: 145074
Ion Ratio Lower Upper
117 100
82 61.4 49.2 73.8
119 32.8 25.1 37.7



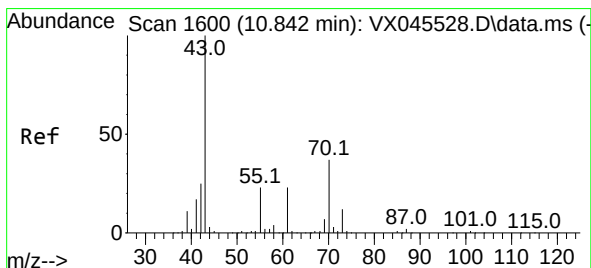
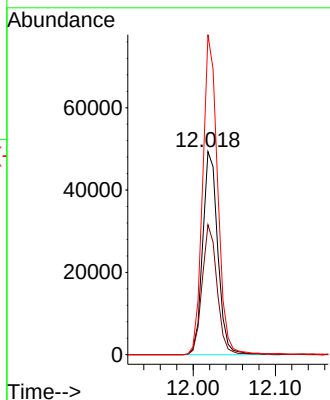
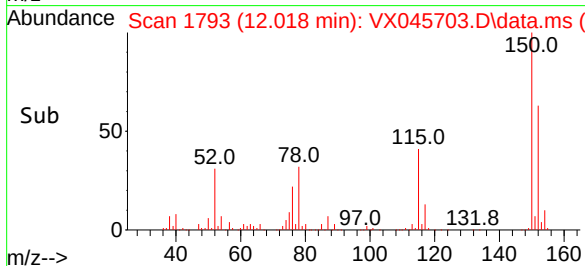


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX045703.D
 Acq: 10 Apr 2025 16:56

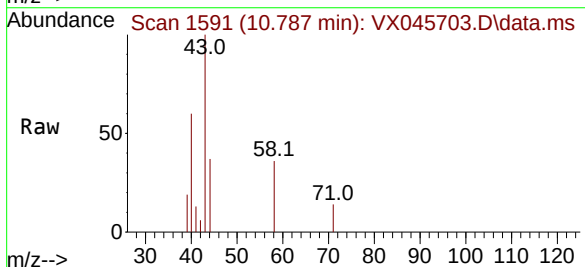
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#09



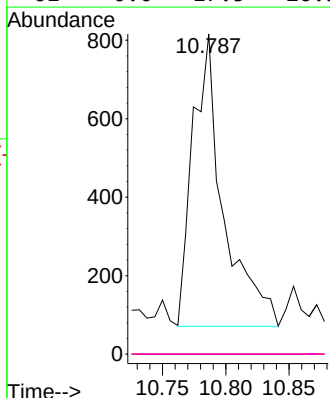
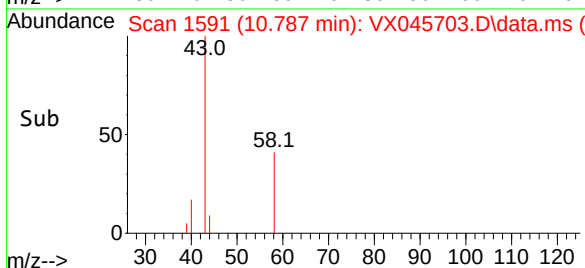
Tgt Ion:152 Resp: 63016
 Ion Ratio Lower Upper
 152 100
 115 63.4 46.9 140.7
 150 155.4 0.0 349.4

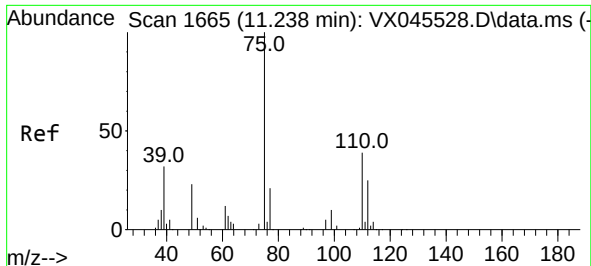


#74
 N-ethyl acetate
 Concen: 0.519 ug/l
 RT: 10.787 min Scan# 1591
 Delta R.T. -0.055 min
 Lab File: VX045703.D
 Acq: 10 Apr 2025 16:56



Tgt Ion: 43 Resp: 1254
 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#

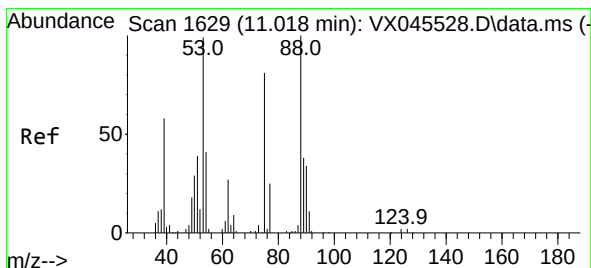
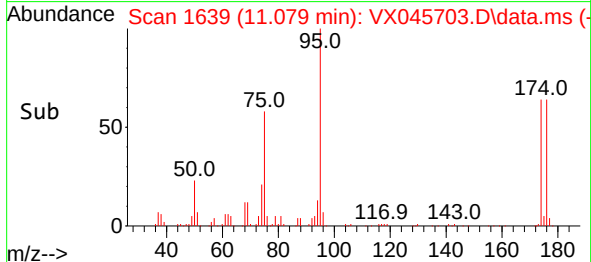
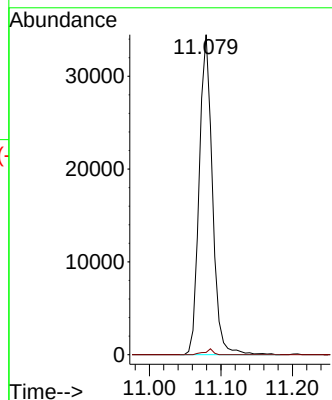
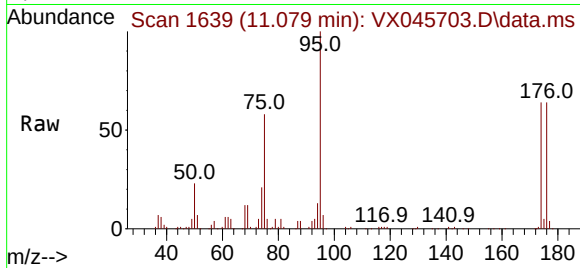




#76
1,2,3-Trichloropropane
Concen: 28.715 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045703.D
Acq: 10 Apr 2025 16:56

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#09

Tgt Ion: 75 Resp: 44138
Ion Ratio Lower Upper
75 100
77 1.2 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.455 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045703.D
Acq: 10 Apr 2025 16:56

Tgt Ion: 75 Resp: 44138
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 37.2 55.8#

