

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045707.D
 Acq On : 10 Apr 2025 18:28
 Operator : JC/MD
 Sample : PB167534ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#13

Quant Time: Apr 11 02:01:56 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)

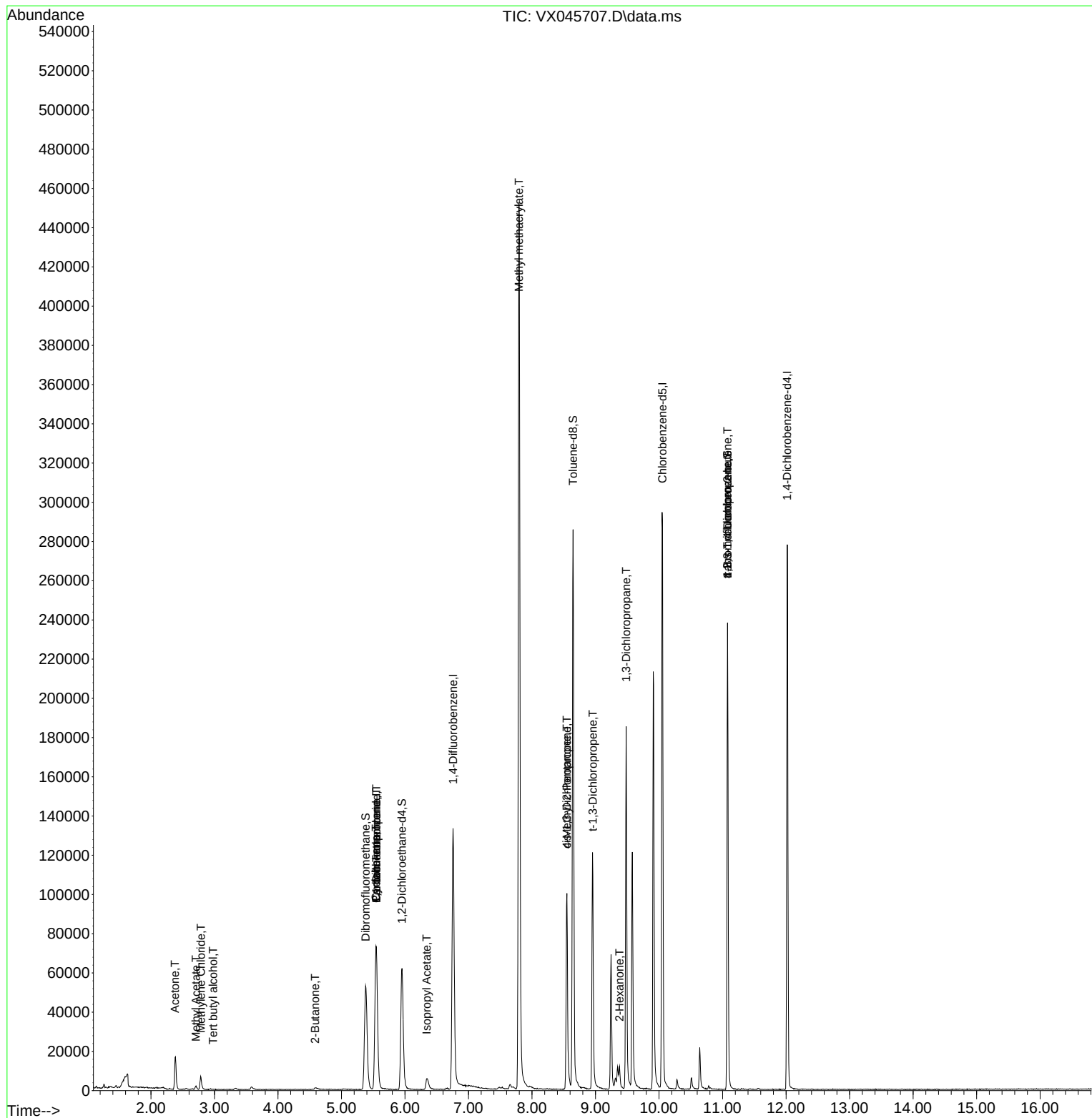
Internal Standards						
1) Pentafluorobenzene	5.549	168	63768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	128556	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64809	55.575	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.160%
35) Dibromofluoromethane	5.379	113	46427	50.901	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.800%
50) Toluene-d8	8.646	98	163340	51.307	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.620%
62) 4-Bromofluorobenzene	11.079	95	61524	53.055	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.100%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	101	0.644	ug/l #	72
16) Acetone	2.379	43	18905	39.480	ug/l	92
18) Methyl Acetate	2.708	43	2292	2.079	ug/l	98
20) Methylene Chloride	2.788	84	2962	3.304	ug/l	94
25) 2-Butanone	4.586	43	1913	2.729	ug/l #	75
31) Cyclohexane	5.543	56	1943	1.358	ug/l #	40
36) 1,1-Dichloropropene	5.549	75	6669	5.415	ug/l #	49
38) Carbon Tetrachloride	5.549	117	7872	5.914	ug/l #	14
43) Isopropyl Acetate	6.342	43	9484	4.032	ug/l	98
48) Methyl methacrylate	7.793	41	46192	38.034	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	39418	25.279	ug/l #	49
53) t-1,3-Dichloropropene	8.957	75	255	2.465	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	15182	11.230	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	1400	0.886	ug/l #	42
59) 2-Hexanone	9.378	43	10636	9.211	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	36241	29.094	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36241	98.742	ug/l #	1

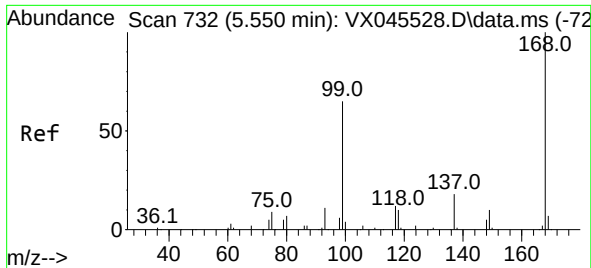
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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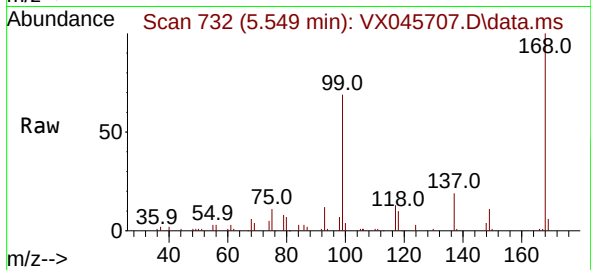
Quant Time: Apr 11 02:01:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



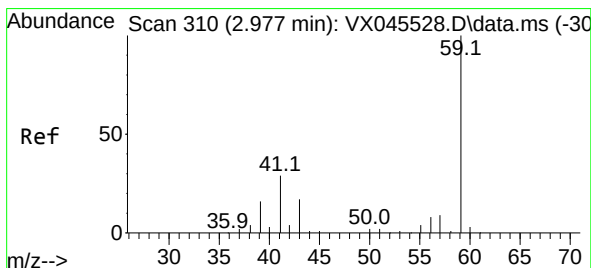
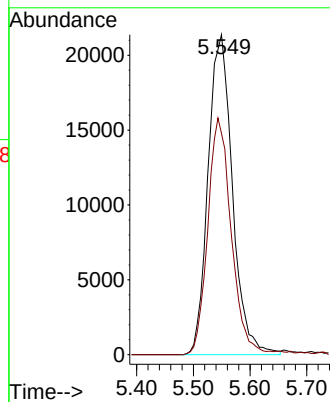
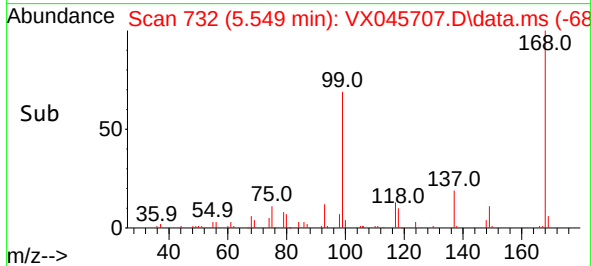


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX045707.D
Acq: 10 Apr 2025 18:28

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#13

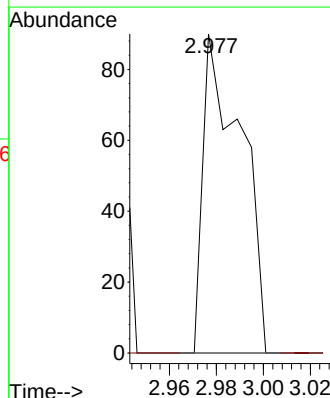
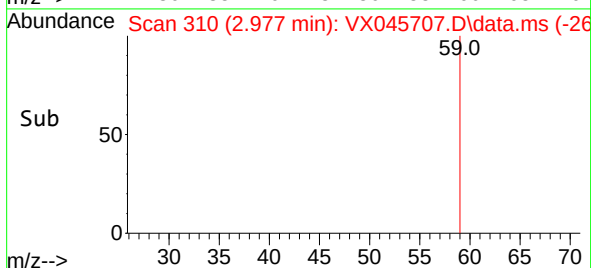
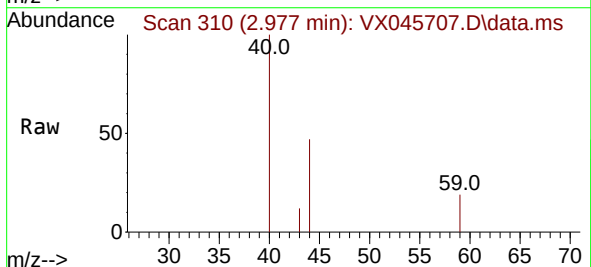


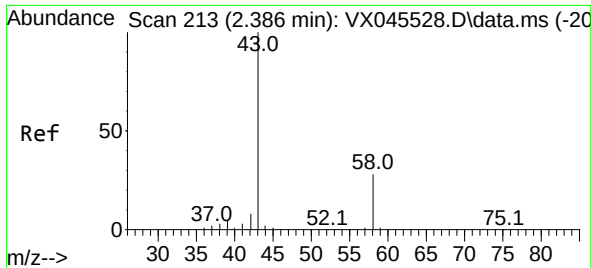
Tgt Ion:168 Resp: 63768
Ion Ratio Lower Upper
168 100
99 69.2 52.3 78.5



#11
Tert butyl alcohol
Concen: 0.644 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX045707.D
Acq: 10 Apr 2025 18:28

Tgt Ion: 59 Resp: 101
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

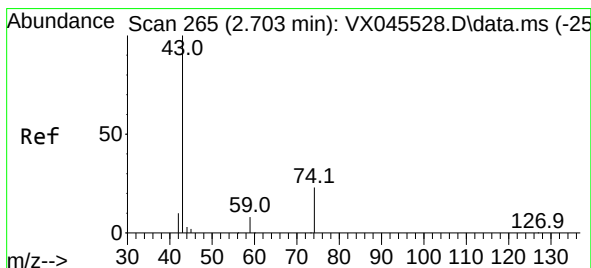
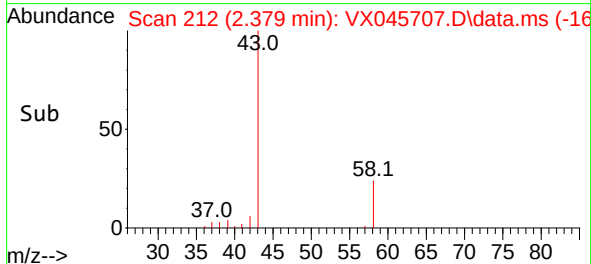
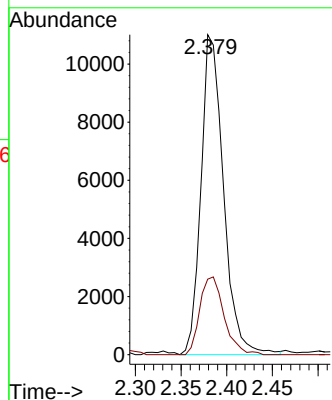
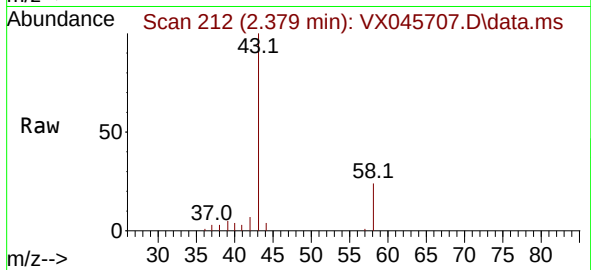




#16
Acetone
Concen: 39.480 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045707.D
Acq: 10 Apr 2025 18:28

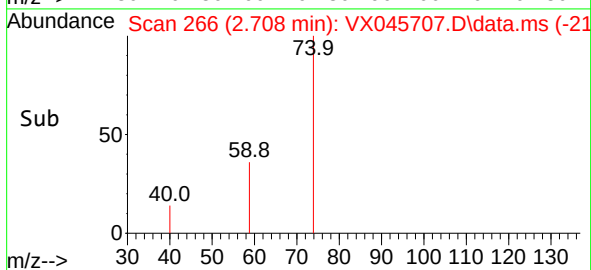
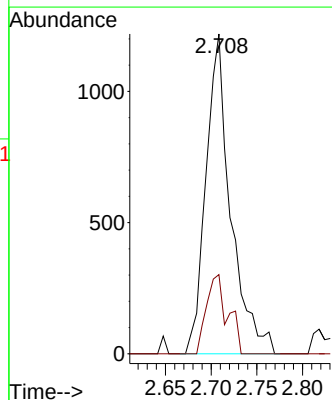
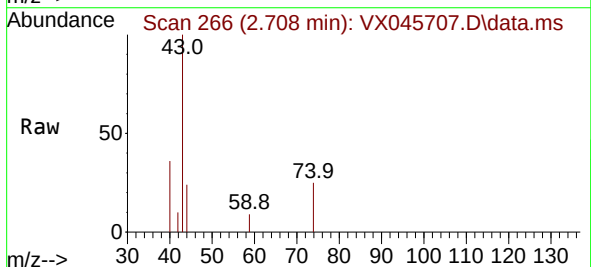
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#13

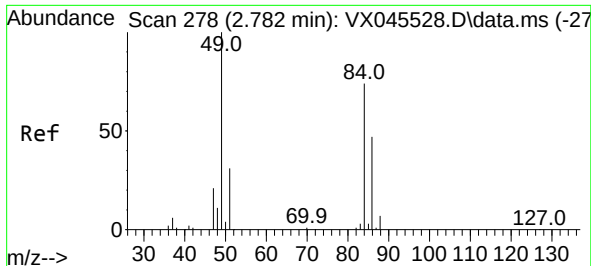
Tgt Ion: 43 Resp: 18905
Ion Ratio Lower Upper
43 100
58 23.6 22.3 33.5



#18
Methyl Acetate
Concen: 2.079 ug/l
RT: 2.708 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045707.D
Acq: 10 Apr 2025 18:28

Tgt Ion: 43 Resp: 2292
Ion Ratio Lower Upper
43 100
74 21.2 17.5 26.3

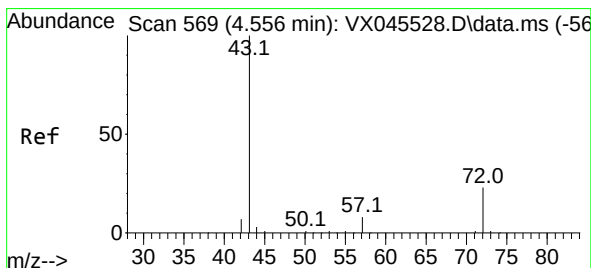
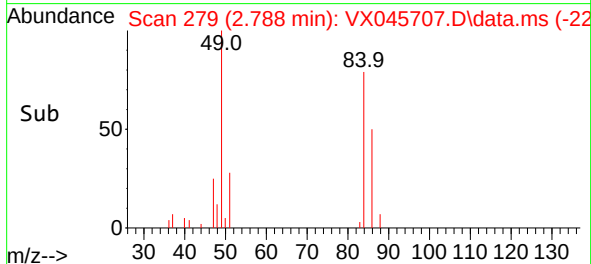
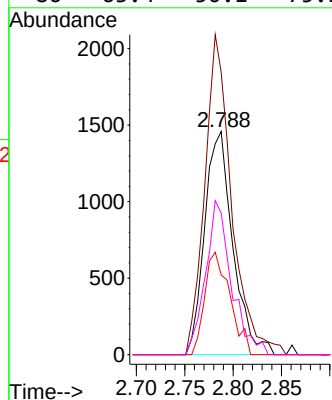
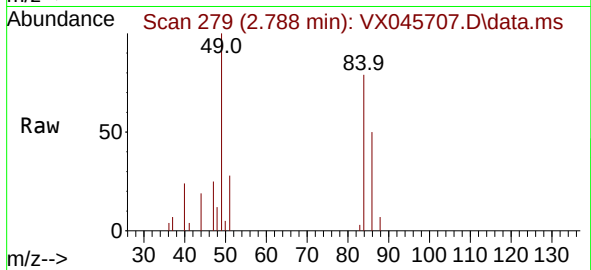




#20
Methylene Chloride
Concen: 3.304 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045707.D
Acq: 10 Apr 2025 18:28

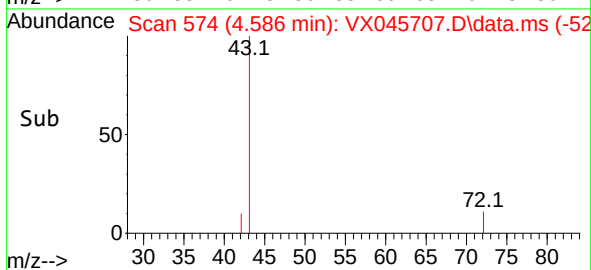
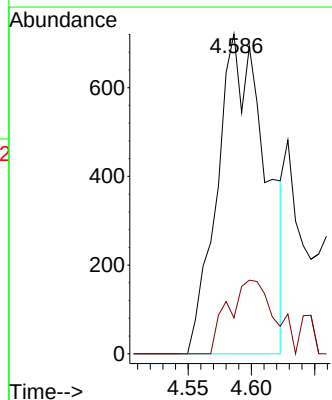
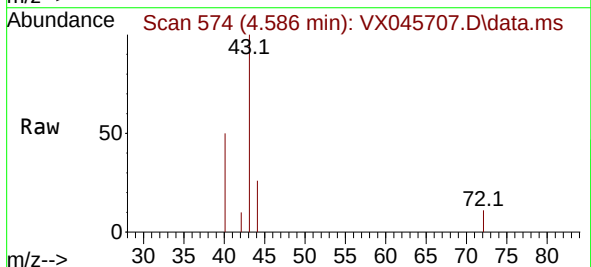
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#13

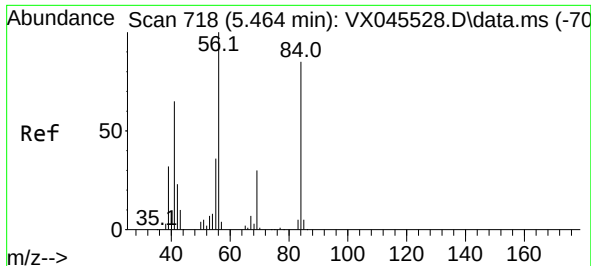
Tgt Ion: 84	Resp: 2962
Ion Ratio	Lower Upper
84 100	
49 126.5	107.5 161.3
51 35.8	33.0 49.6
86 63.4	50.1 75.1



#25
2-Butanone
Concen: 2.729 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX045707.D
Acq: 10 Apr 2025 18:28

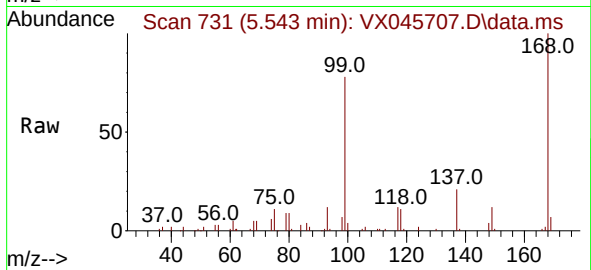
Tgt Ion: 43	Resp: 1913		
Ion Ratio	Lower	Upper	
43 100			
72 11.2	18.6	28.0#	



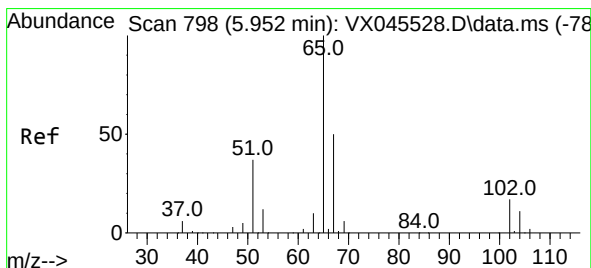
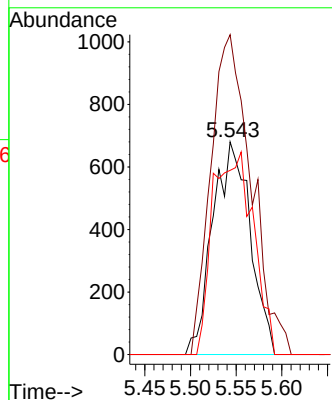
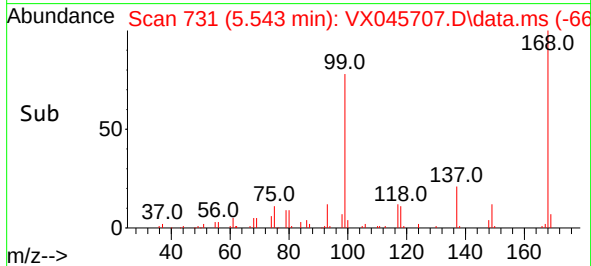


#31
Cyclohexane
Concen: 1.358 ug/l
RT: 5.543 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045707.D
Acq: 10 Apr 2025 18:28

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#13

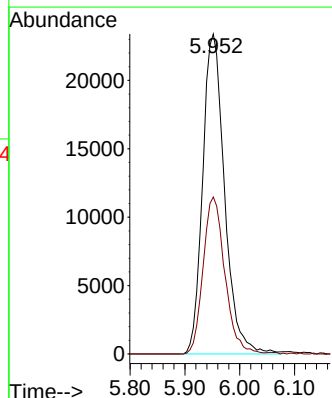
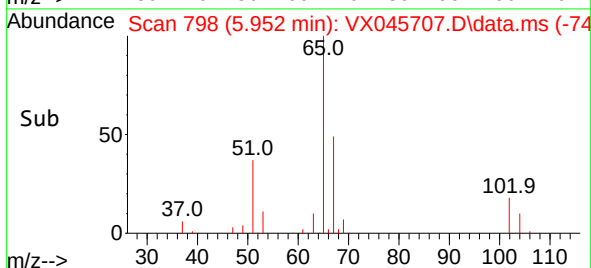
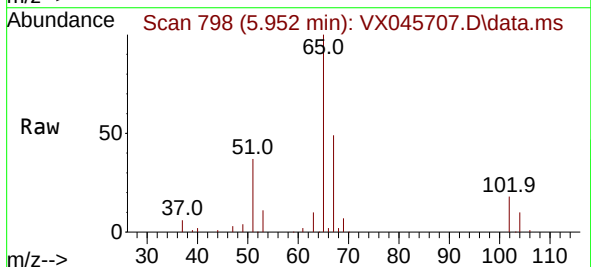


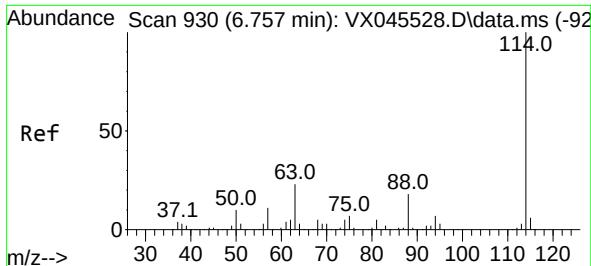
Tgt Ion: 56 Resp: 1943
Ion Ratio Lower Upper
56 100
69 150.4 23.6 35.4#
84 86.6 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 55.575 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045707.D
Acq: 10 Apr 2025 18:28

Tgt Ion: 65 Resp: 64809
Ion Ratio Lower Upper
65 100
67 48.6 0.0 99.0

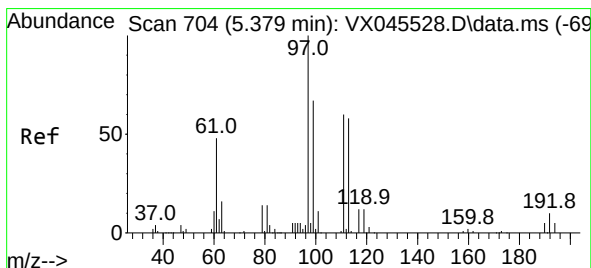
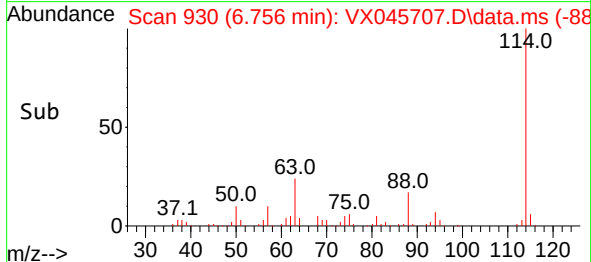
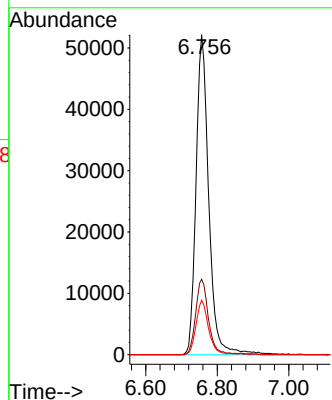
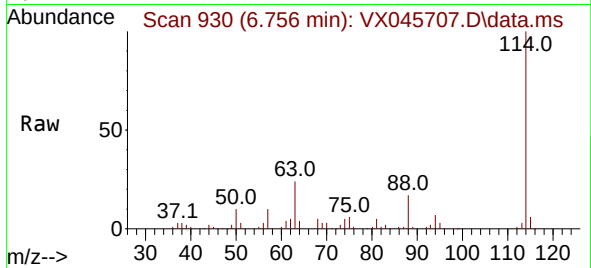




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.756 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045707.D
Acq: 10 Apr 2025 18:28

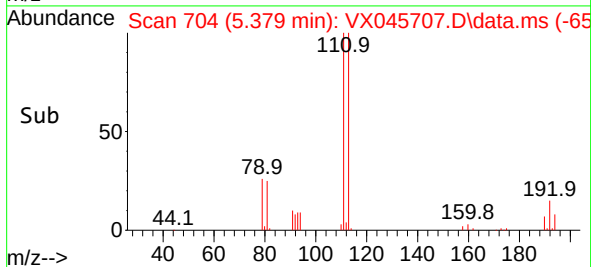
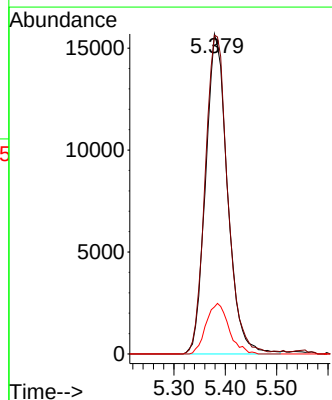
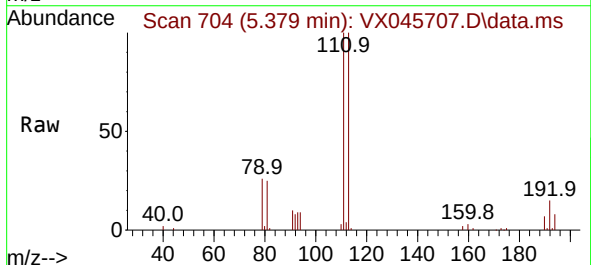
Instrument :
MSVOA_X
ClientSampleId :
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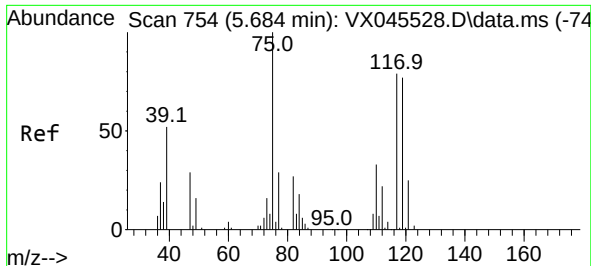
Tgt Ion:114 Resp: 128556
Ion Ratio Lower Upper
114 100
63 23.6 0.0 46.8
88 17.0 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.901 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045707.D
Acq: 10 Apr 2025 18:28

Tgt Ion:113 Resp: 46427
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.6
192 16.4 13.8 20.6

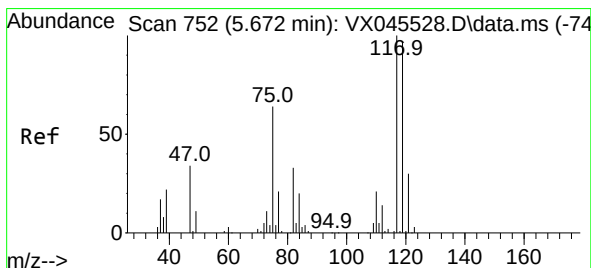
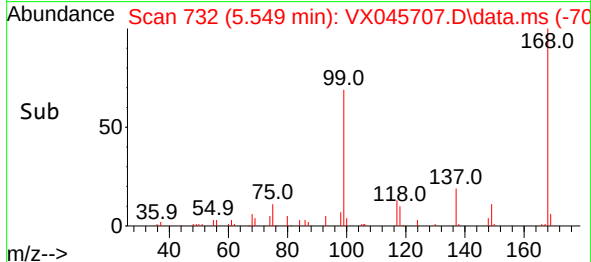
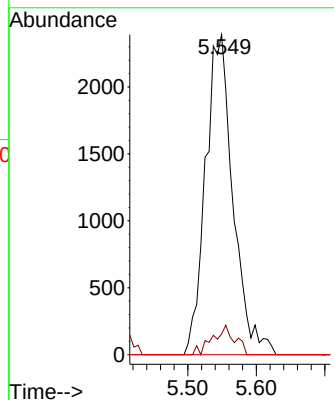
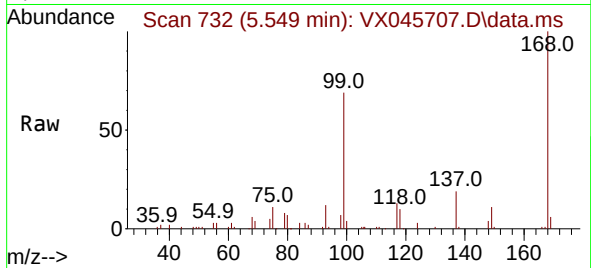




#36
 1,1-Dichloropropene
 Concen: 5.415 ug/l
 RT: 5.549 min Scan# 712
 Delta R.T. -0.135 min
 Lab File: VX045707.D
 Acq: 10 Apr 2025 18:28

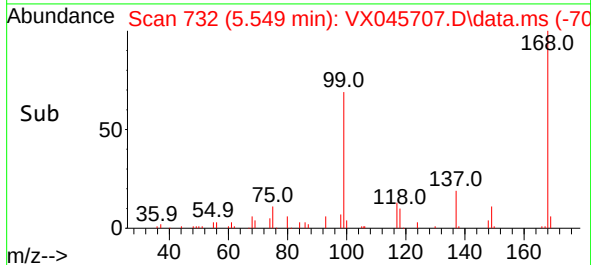
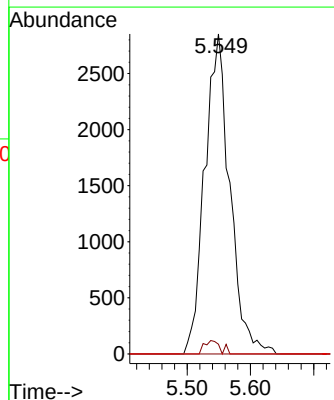
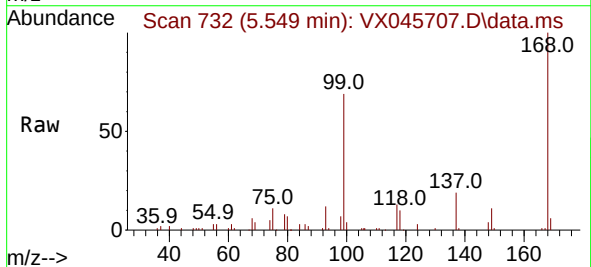
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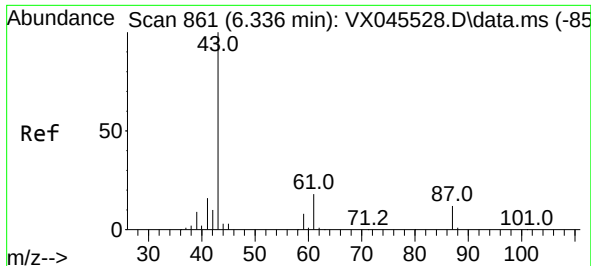
Tgt Ion: 75 Resp: 6669
 Ion Ratio Lower Upper
 75 100
 110 7.4 16.9 50.6#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.914 ug/l
 RT: 5.549 min Scan# 732
 Delta R.T. -0.122 min
 Lab File: VX045707.D
 Acq: 10 Apr 2025 18:28

Tgt Ion: 117 Resp: 7872
 Ion Ratio Lower Upper
 117 100
 119 3.0 76.9 115.3#
 121 0.0 24.2 36.2#

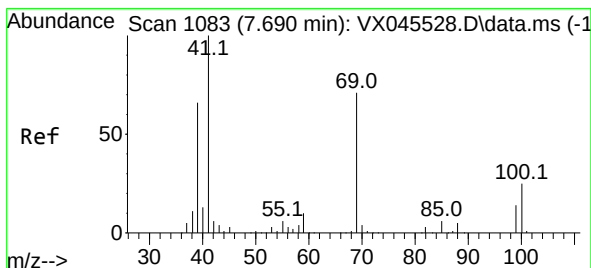
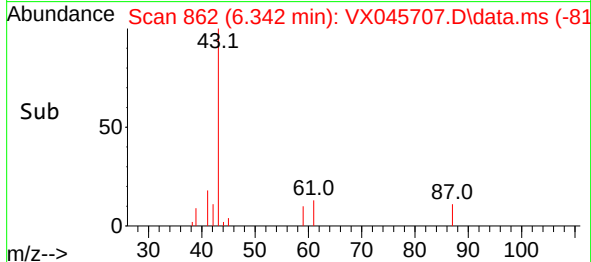
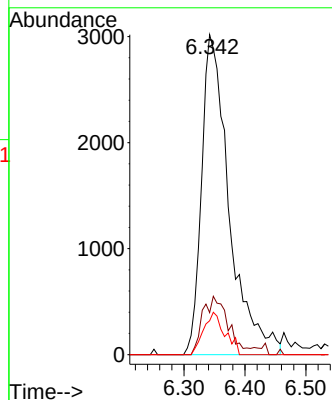
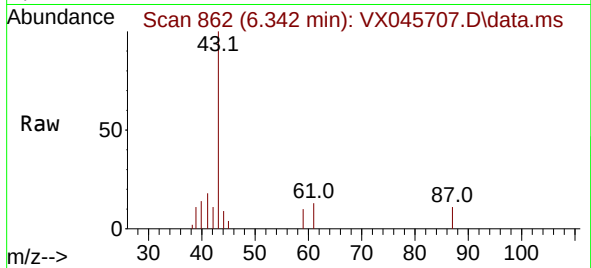




#43
Isopropyl Acetate
Concen: 4.032 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045707.D
Acq: 10 Apr 2025 18:28

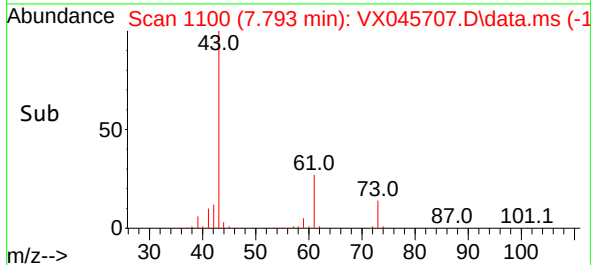
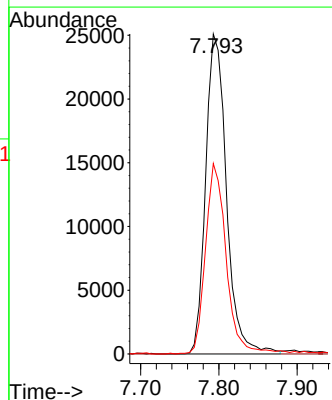
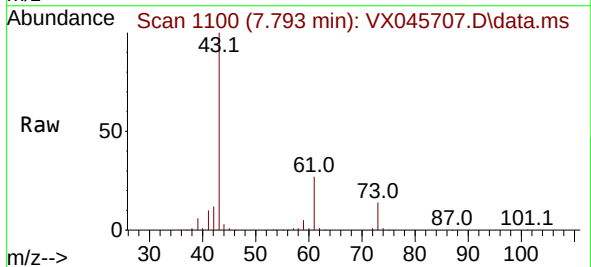
Instrument :
MSVOA_X
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PB167534ZHE#13

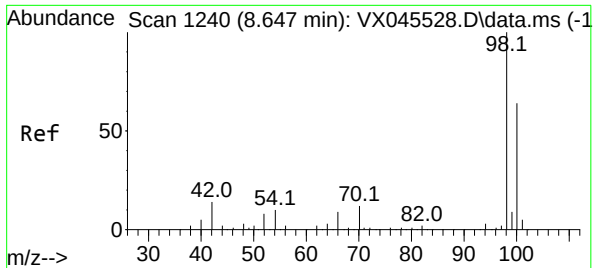
Tgt Ion: 43 Resp: 9484
Ion Ratio Lower Upper
43 100
61 16.8 14.1 21.1
87 10.2 9.2 13.8



#48
Methyl methacrylate
Concen: 38.034 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX045707.D
Acq: 10 Apr 2025 18:28

Tgt Ion: 41 Resp: 46192
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.6 53.6 80.4

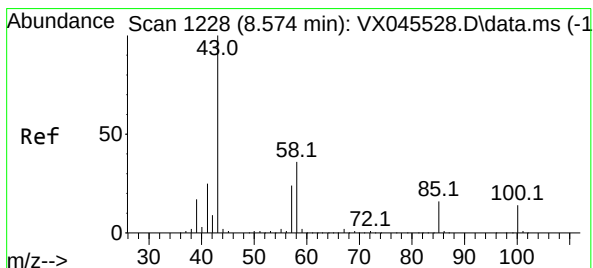
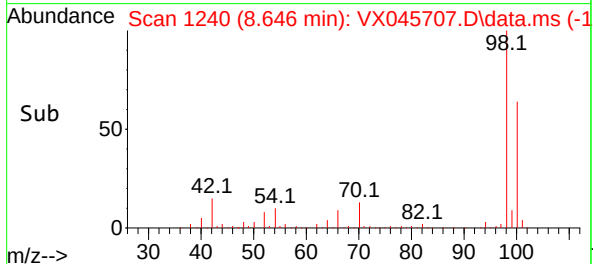
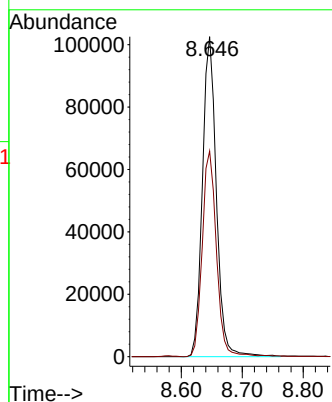
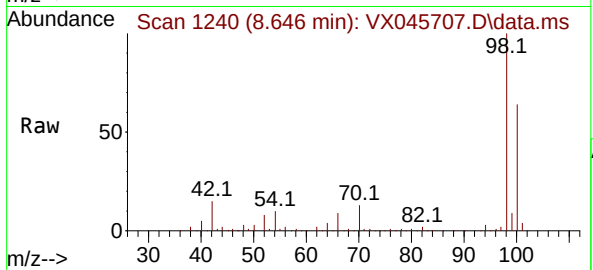




#50
Toluene-d8
Concen: 51.307 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045707.D
Acq: 10 Apr 2025 18:28

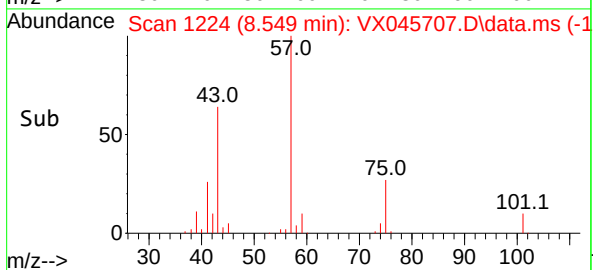
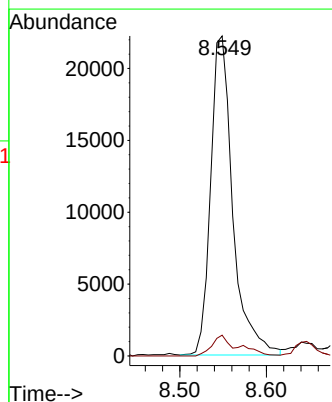
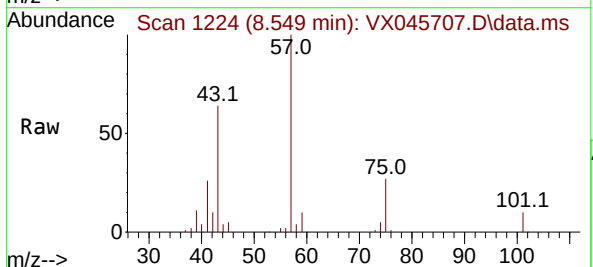
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#13

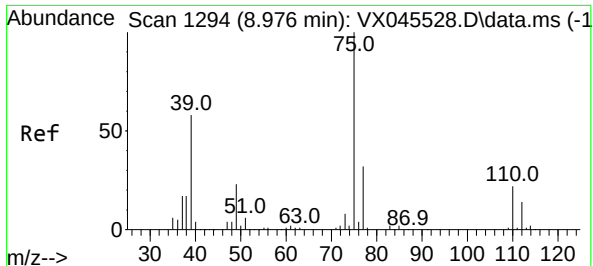
Tgt Ion: 98 Resp: 163340
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 25.279 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX045707.D
Acq: 10 Apr 2025 18:28

Tgt Ion: 43 Resp: 39418
Ion Ratio Lower Upper
43 100
58 5.5 28.5 42.7#

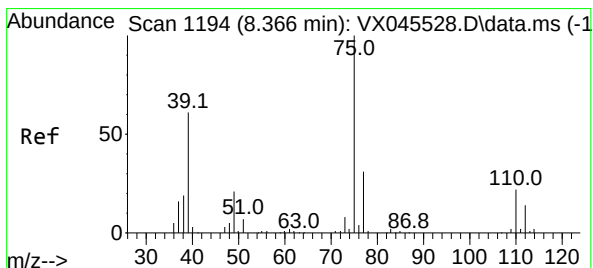
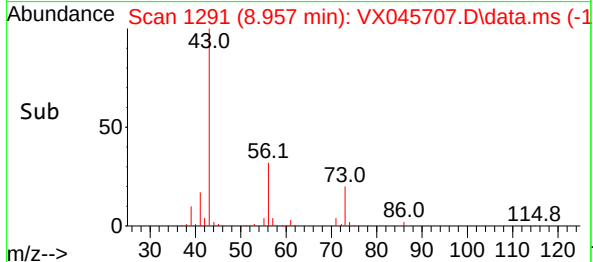
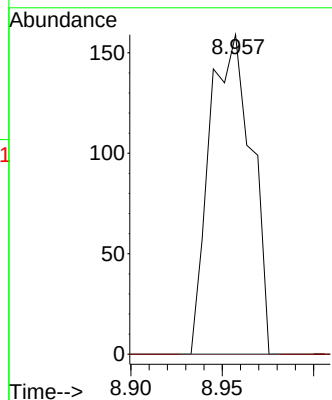
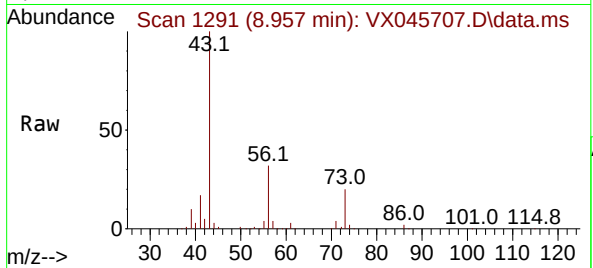




#53
 t-1,3-Dichloropropene
 Concen: 2.465 ug/l
 RT: 8.957 min Scan# 11
 Delta R.T. -0.019 min
 Lab File: VX045707.D
 Acq: 10 Apr 2025 18:28

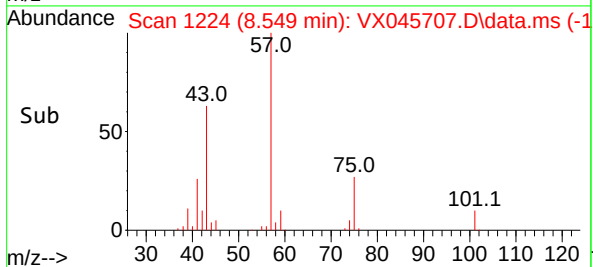
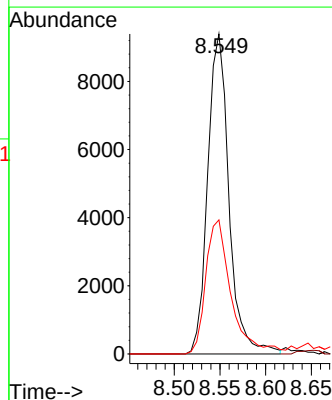
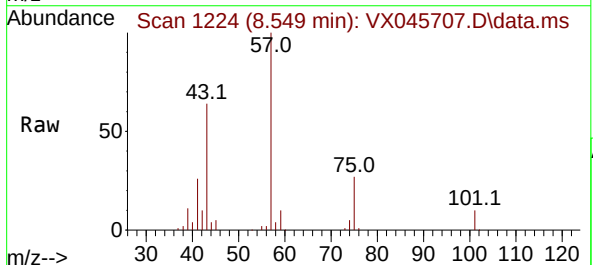
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#13

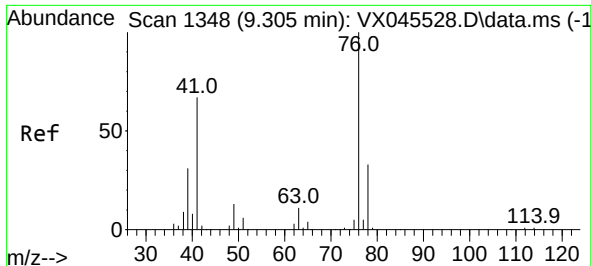
Tgt Ion: 75 Resp: 255
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 11.230 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX045707.D
 Acq: 10 Apr 2025 18:28

Tgt Ion: 75 Resp: 15182
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 41.9 48.4 72.6#

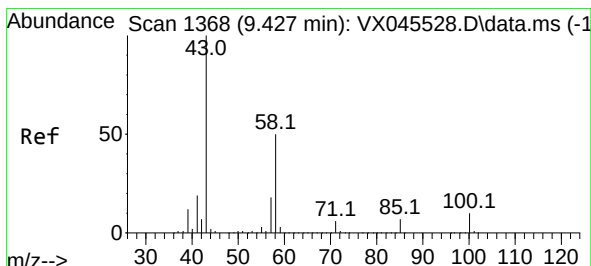
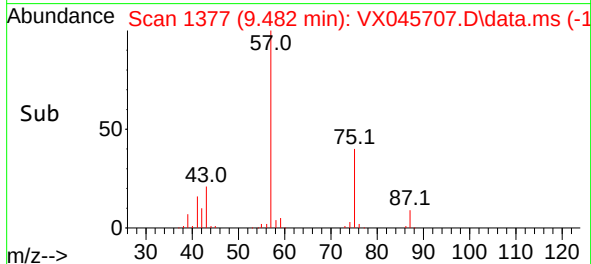
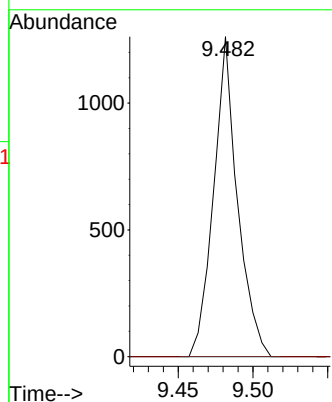
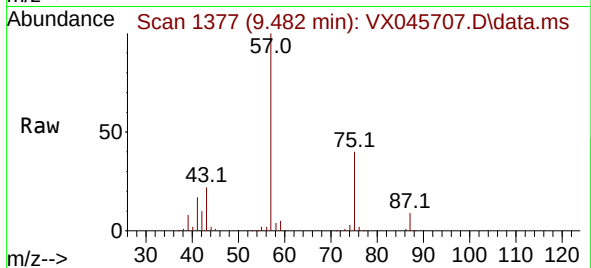




#57
1,3-Dichloropropane
Concen: 0.886 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX045707.D
Acq: 10 Apr 2025 18:28

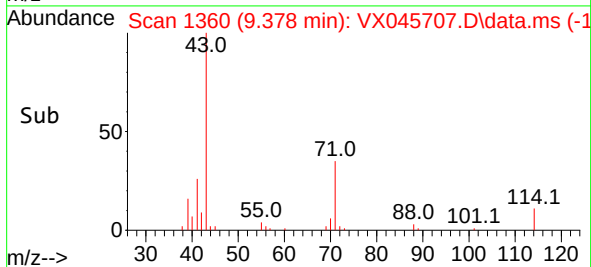
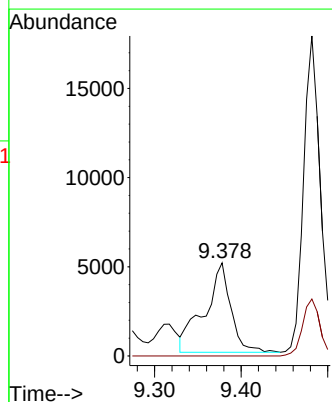
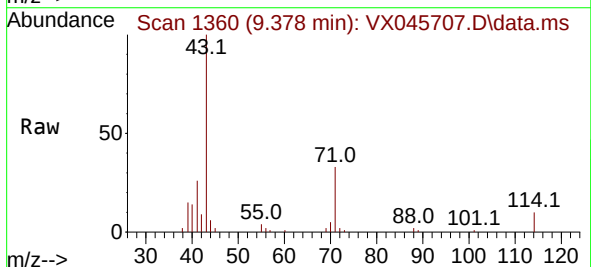
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#13

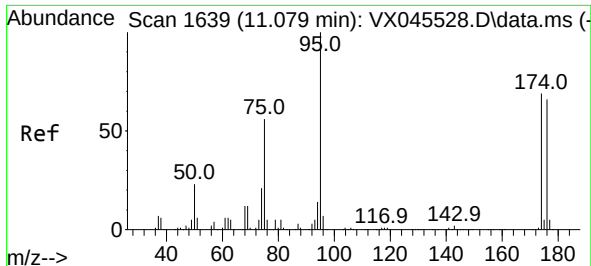
Tgt Ion: 76 Resp: 1400
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 9.211 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX045707.D
Acq: 10 Apr 2025 18:28

Tgt Ion: 43 Resp: 10636
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

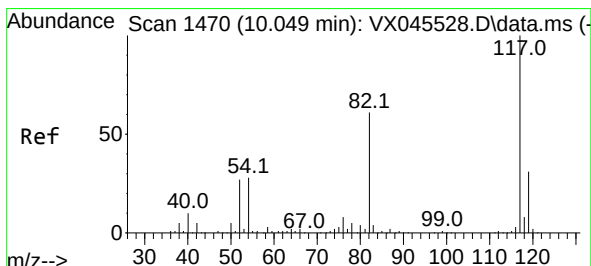
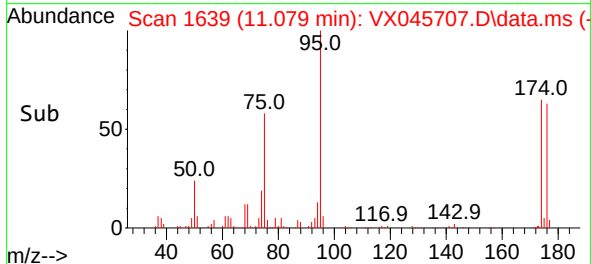
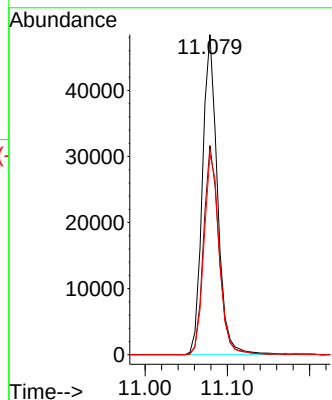
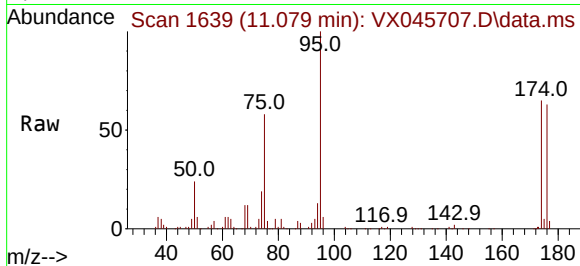




#62
4-Bromofluorobenzene
Concen: 53.055 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045707.D
Acq: 10 Apr 2025 18:28

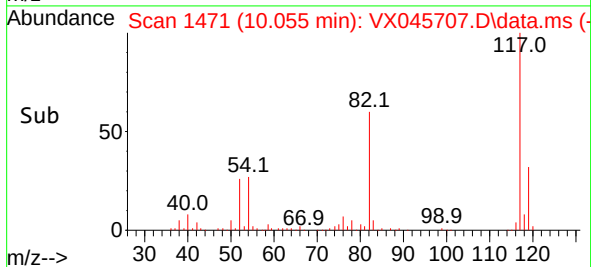
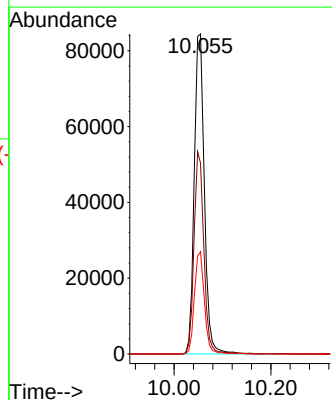
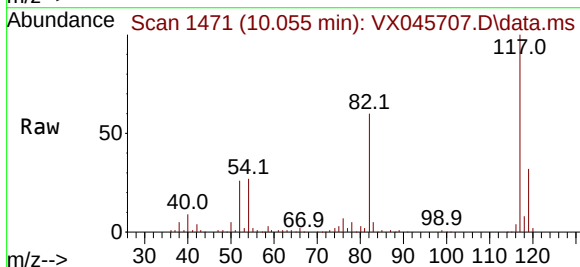
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#13

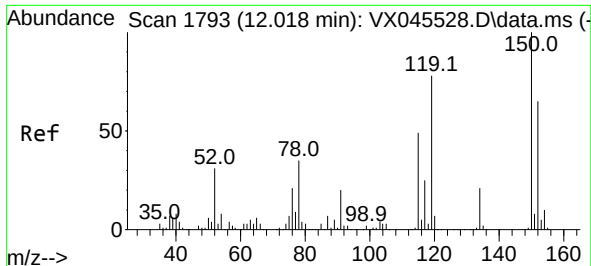
Tgt Ion: 95 Resp: 61524
Ion Ratio Lower Upper
95 100
174 66.1 0.0 135.8
176 64.1 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045707.D
Acq: 10 Apr 2025 18:28

Tgt Ion: 117 Resp: 122961
Ion Ratio Lower Upper
117 100
82 59.7 49.2 73.8
119 31.9 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: VX045707.D

Acq: 10 Apr 2025 18:28

Instrument :

MSVOA_X

ClientSampleId :

PB167534ZHE#13

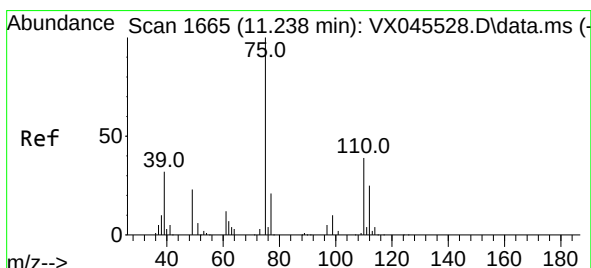
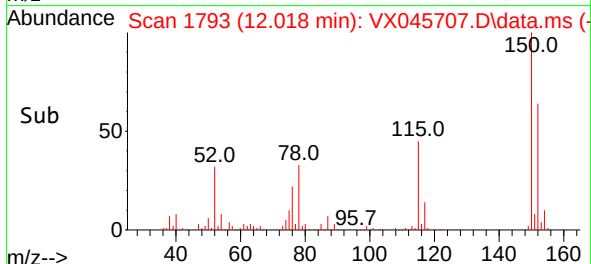
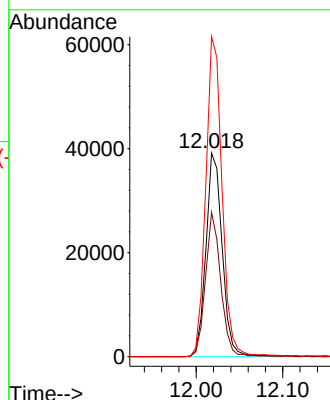
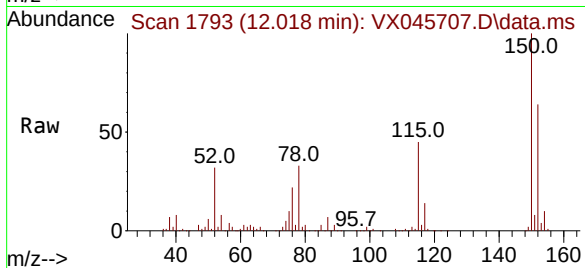
Tgt Ion:152 Resp: 51067

Ion Ratio Lower Upper

152 100

115 66.7 46.9 140.7

150 157.3 0.0 349.4



#76

1,2,3-Trichloropropane

Concen: 29.094 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045707.D

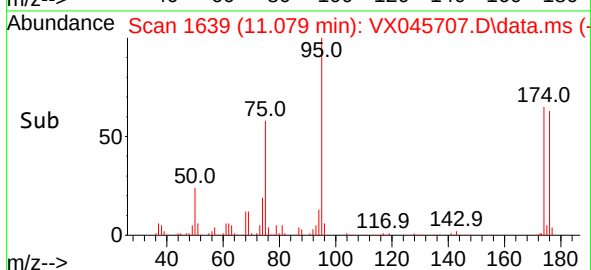
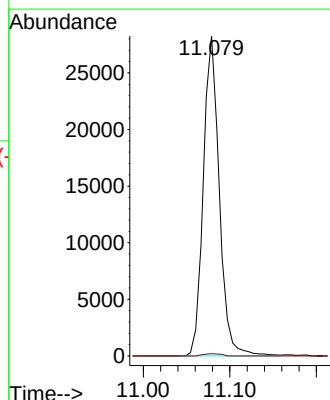
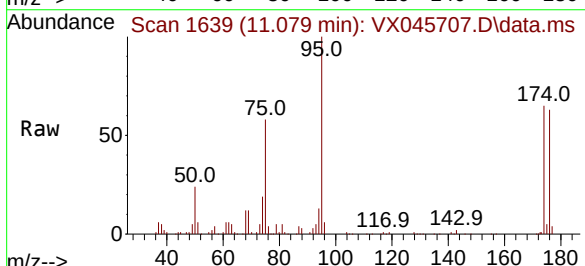
Acq: 10 Apr 2025 18:28

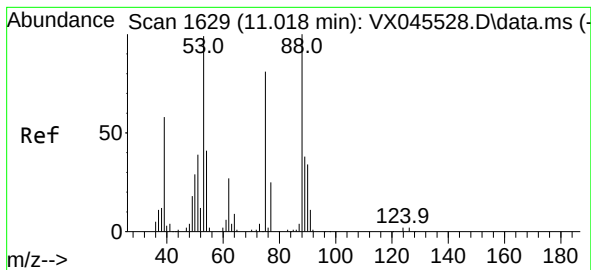
Tgt Ion: 75 Resp: 36241

Ion Ratio Lower Upper

75 100

77 0.8 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.742 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045707.D
 Acq: 10 Apr 2025 18:28

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#13

Tgt Ion: 75 Resp: 36241
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

