

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
 Data File : VX048819.D
 Acq On : 10 Dec 2025 17:56
 Operator : JC/MD
 Sample : PB170875TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB170875TB

Quant Time: Dec 11 00:27:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

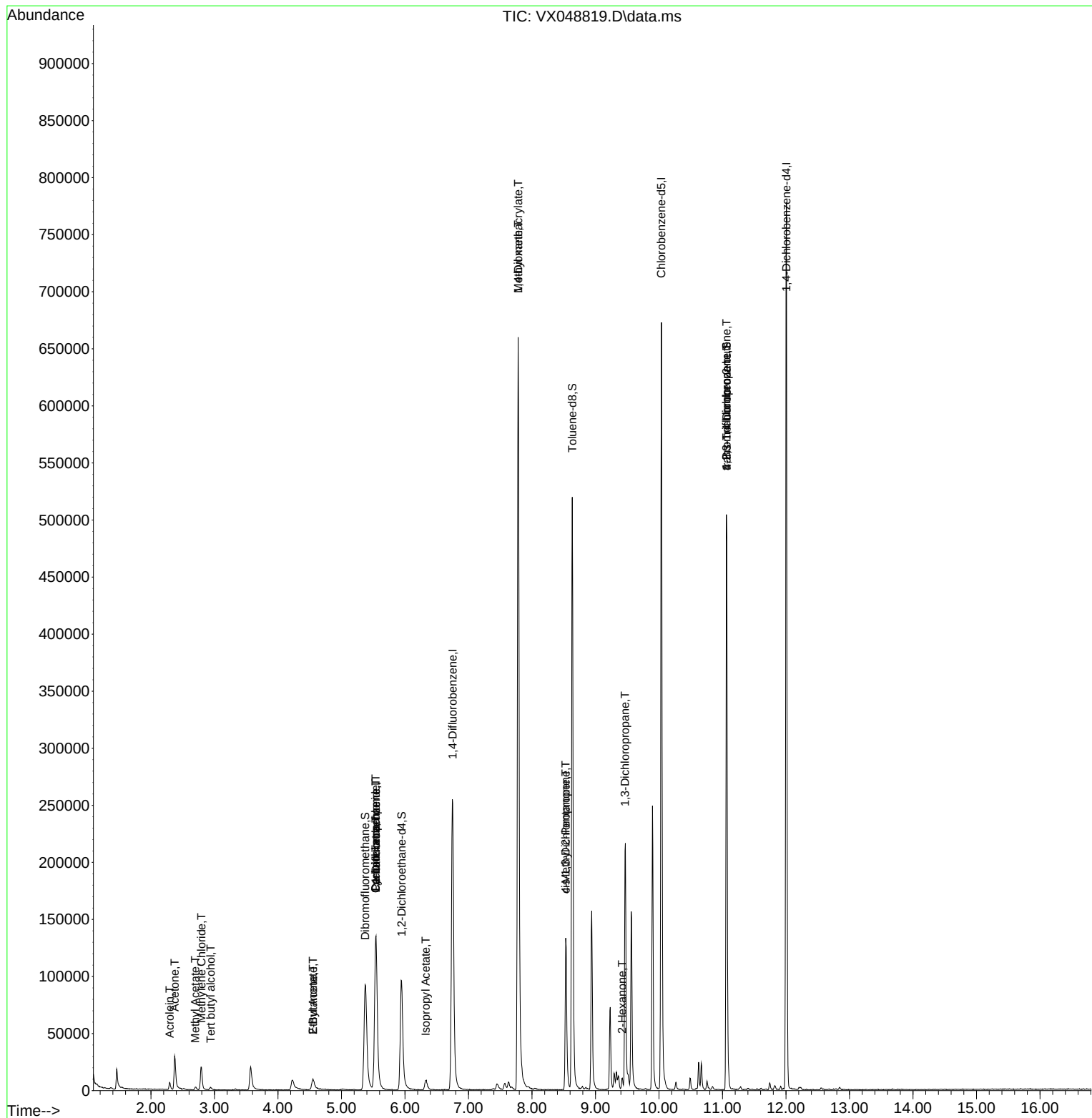
Internal Standards						
1) Pentafluorobenzene	5.544	168	140982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	292051	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	311757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	171301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	105140	55.564	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.120%
35) Dibromofluoromethane	5.373	113	94818	47.152	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.300%
50) Toluene-d8	8.635	98	328636	46.623	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.240%
62) 4-Bromofluorobenzene	11.061	95	143972	59.232	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	118.460%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	2760	9.034	ug/l #	90
13) Acrolein	2.294	56	25	40.248	ug/l #	1
16) Acetone	2.374	43	40270	55.592	ug/l	97
18) Methyl Acetate	2.697	43	3783	1.856	ug/l	91
20) Methylene Chloride	2.794	84	10707	5.913	ug/l	93
25) 2-Butanone	4.550	43	16300	15.246	ug/l	95
31) Cyclohexane	5.538	56	2649	1.036	ug/l #	3
36) 1,1-Dichloropropene	5.538	75	11137	4.044	ug/l #	49
37) Ethyl Acetate	4.550	43	16352	4.969	ug/l #	71
38) Carbon Tetrachloride	5.538	117	14362	4.604	ug/l #	14
43) Isopropyl Acetate	6.324	43	13696	2.748	ug/l	98
48) Methyl methacrylate	7.781	41	62405	24.894	ug/l #	42
49) 1,4-Dioxane	7.781	88	71	2.059	ug/l #	1
51) 4-Methyl-2-Pentanone	8.531	43	51589	16.679	ug/l #	49
54) cis-1,3-Dichloropropene	8.531	75	23550	7.139	ug/l #	59
57) 1,3-Dichloropropane	9.464	76	2412	0.732	ug/l #	42
59) 2-Hexanone	9.421	43	6093	2.806	ug/l	100
76) 1,2,3-Trichloropropane	11.061	75	72182	22.624	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	72182	53.740	ug/l #	3
95) Naphthalene	13.768	128	414	Below Cal	#	69

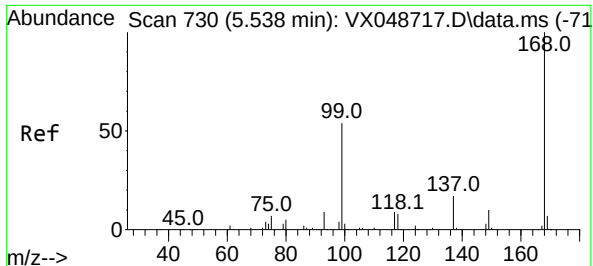
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

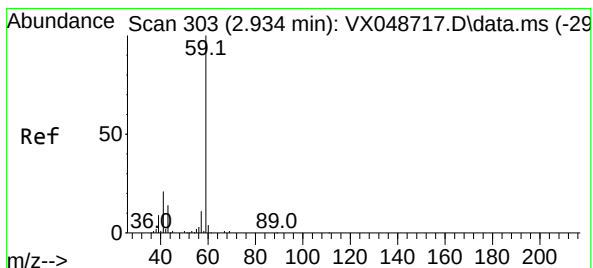
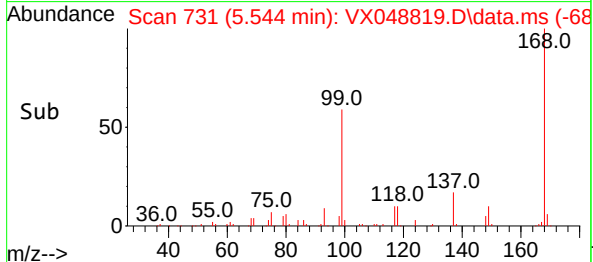
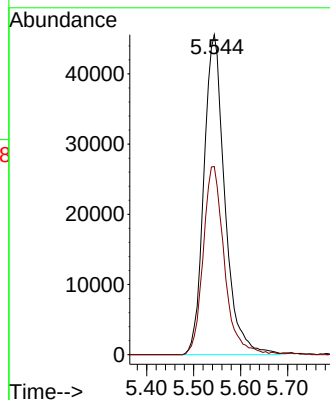
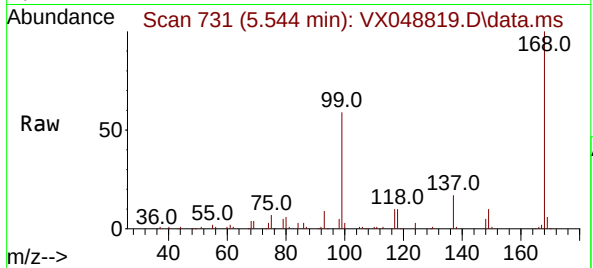




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

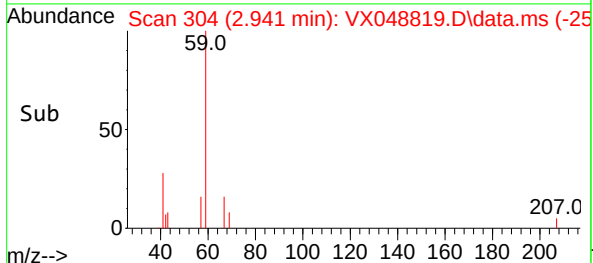
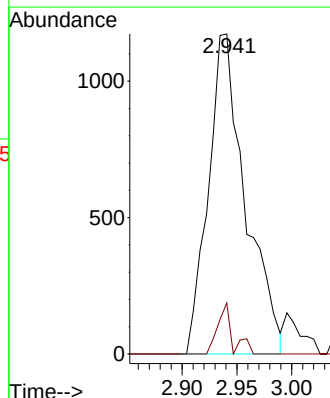
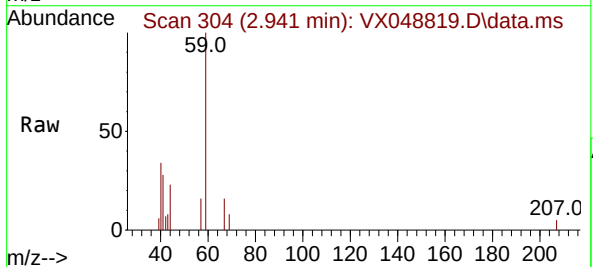
Instrument :
MSVOA_X
ClientSampleId :
PB170875TB

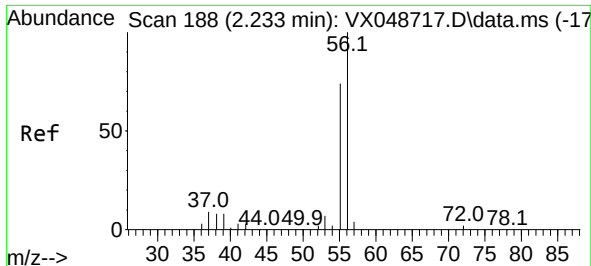
Tgt Ion:168 Resp: 140982
Ion Ratio Lower Upper
168 100
99 58.8 44.2 66.4



#11
Tert butyl alcohol
Concen: 9.034 ug/l
RT: 2.941 min Scan# 304
Delta R.T. 0.006 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

Tgt Ion: 59 Resp: 2760
Ion Ratio Lower Upper
59 100
57 6.3 8.1 12.1#

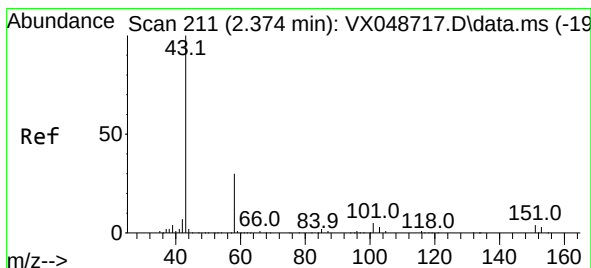
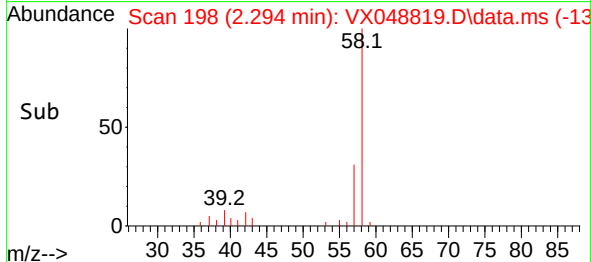
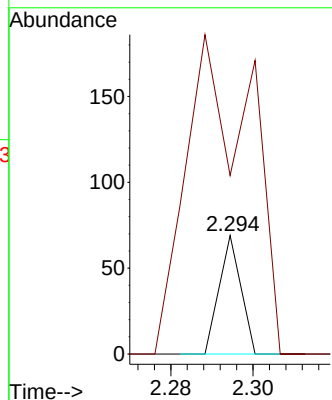
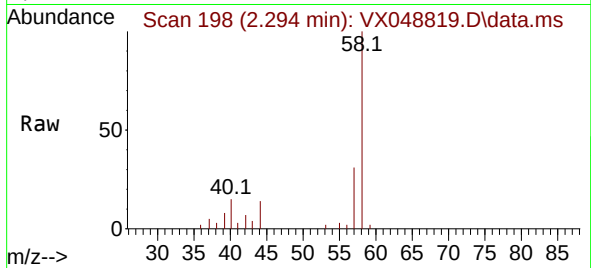




#13
Acrolein
Concen: 40.248 ug/l
RT: 2.294 min Scan# 198
Delta R.T. 0.061 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

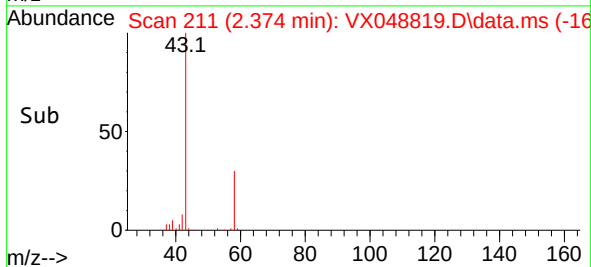
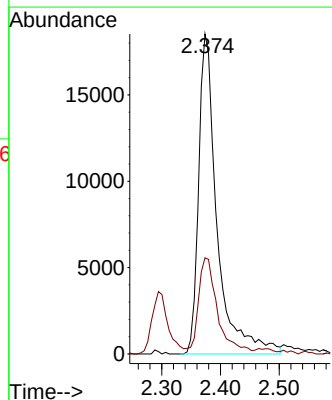
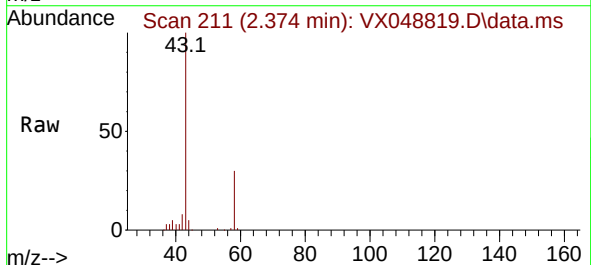
Instrument :
MSVOA_X
ClientSampleId :
PB170875TB

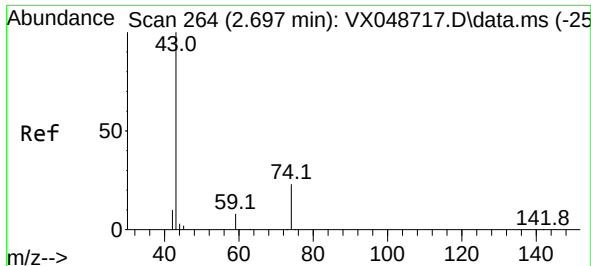
Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 800.0 55.8 83.6#



#16
Acetone
Concen: 55.592 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

Tgt Ion: 43 Resp: 40270
Ion Ratio Lower Upper
43 100
58 29.3 25.0 37.4

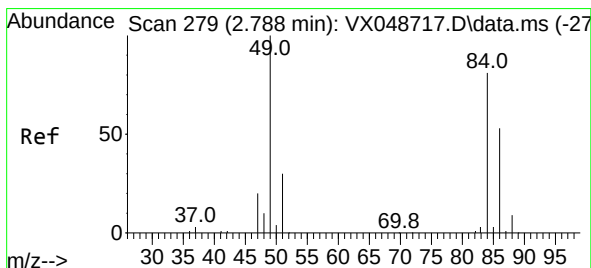
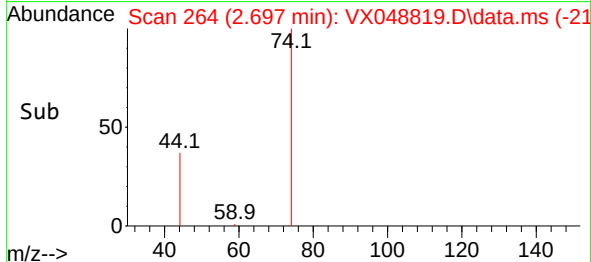
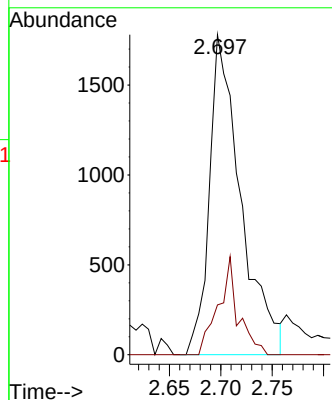
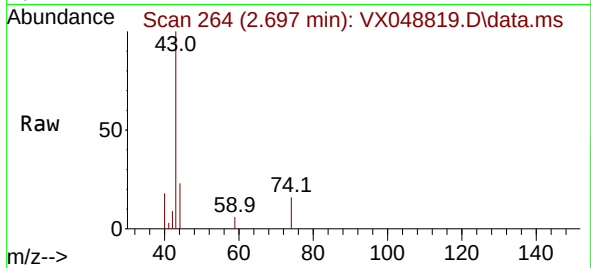




#18
Methyl Acetate
Concen: 1.856 ug/l
RT: 2.697 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

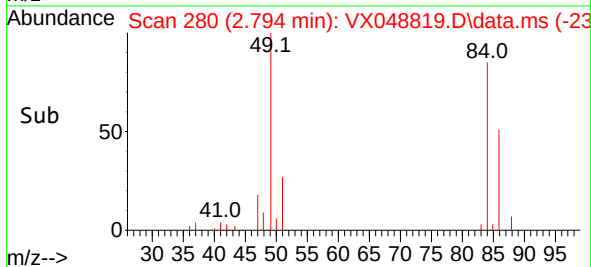
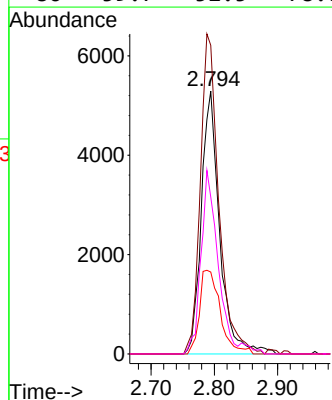
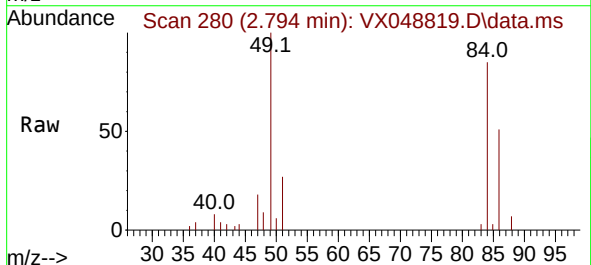
Instrument :
MSVOA_X
ClientSampleId :
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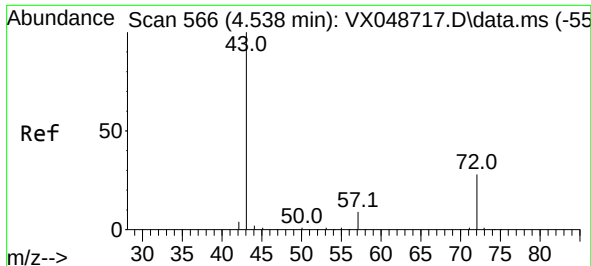
Tgt Ion: 43 Resp: 3783
Ion Ratio Lower Upper
43 100
74 19.4 19.2 28.8



#20
Methylene Chloride
Concen: 5.913 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

Tgt Ion: 84 Resp: 10707
Ion Ratio Lower Upper
84 100
49 117.4 98.7 148.1
51 31.2 29.4 44.2
86 59.7 52.5 78.7

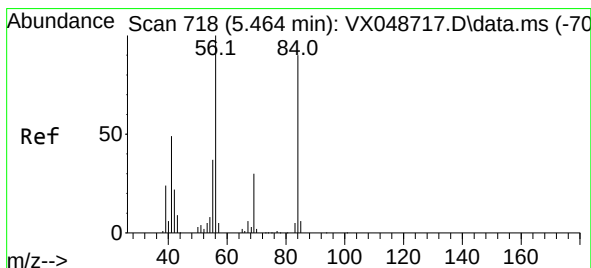
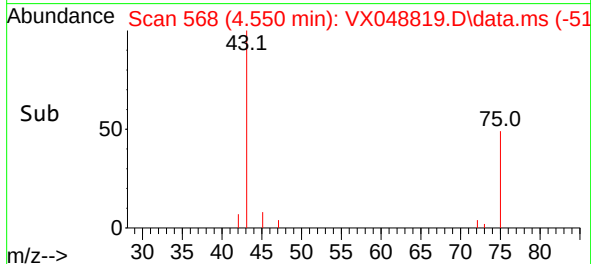
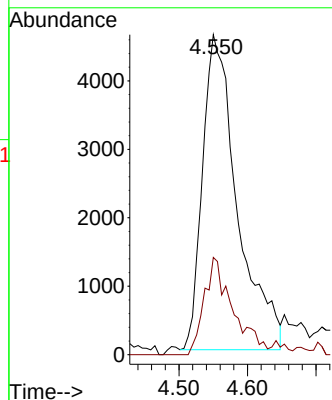
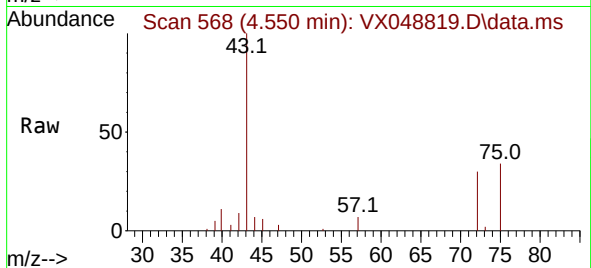




#25
2-Butanone
Concen: 15.246 ug/l
RT: 4.550 min Scan# 501
Delta R.T. 0.012 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

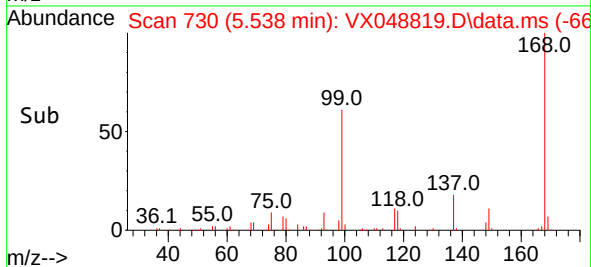
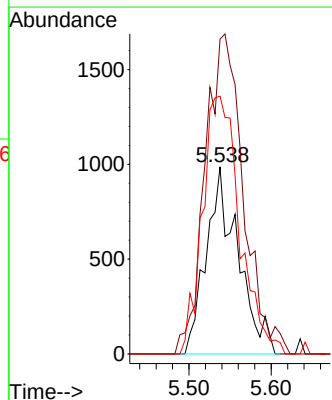
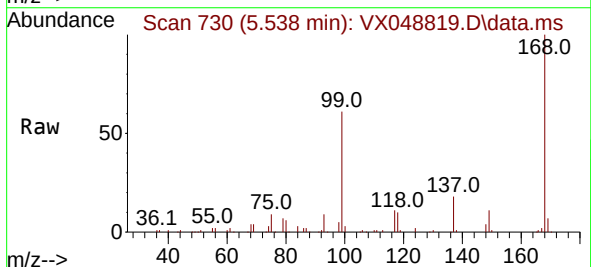
Instrument :
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ClientSampleId :
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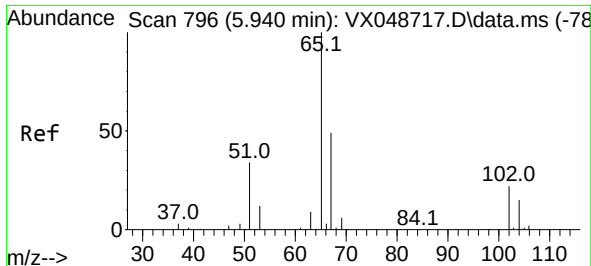
Tgt Ion: 43 Resp: 16300
Ion Ratio Lower Upper
43 100
72 30.9 22.6 34.0



#31
Cyclohexane
Concen: 1.036 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

Tgt Ion: 56 Resp: 2649
Ion Ratio Lower Upper
56 100
69 158.1 24.2 36.2#
84 137.8 72.1 108.1#

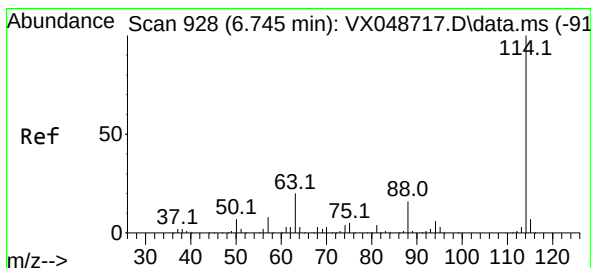
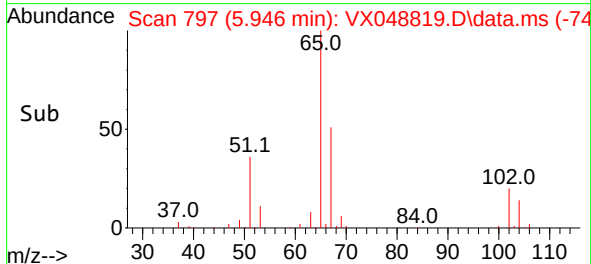
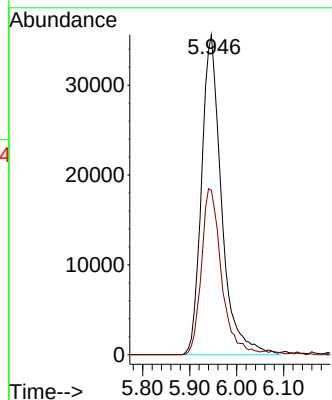
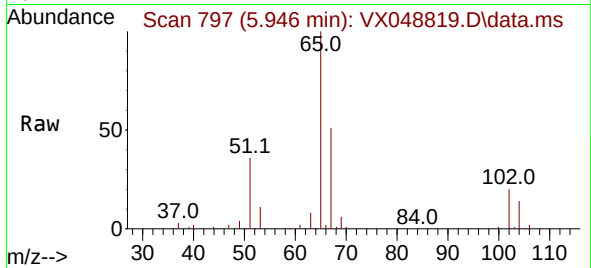




#33
1,2-Dichloroethane-d4
Concen: 55.564 ug/l
RT: 5.946 min Scan# 796
Delta R.T. 0.006 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

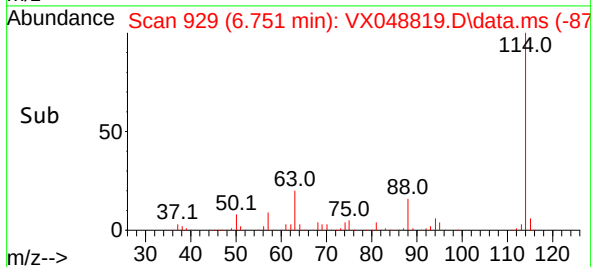
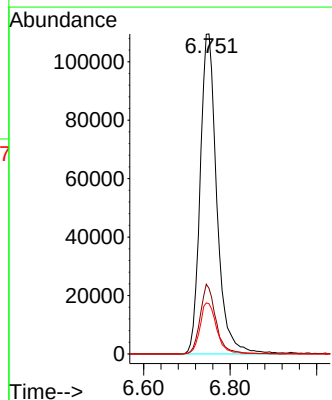
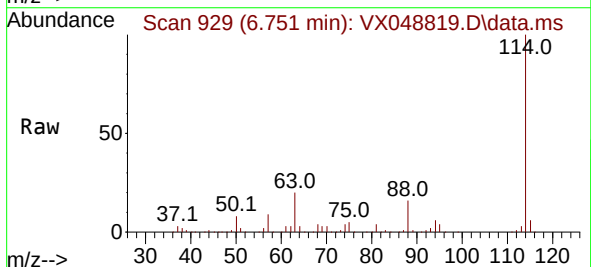
Instrument :
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ClientSampleId :
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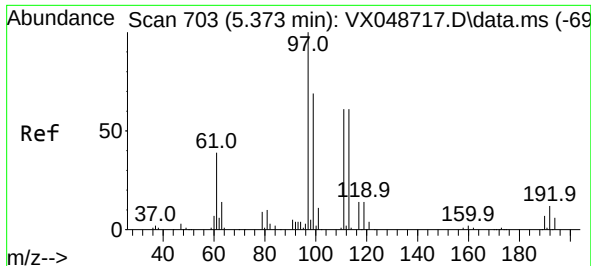
Tgt Ion: 65 Resp: 105140
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

Tgt Ion: 114 Resp: 292051
Ion Ratio Lower Upper
114 100
63 20.5 0.0 39.0
88 15.7 0.0 31.8

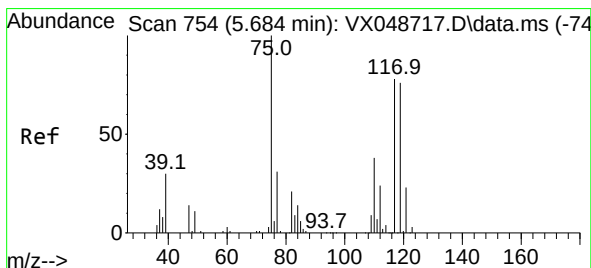
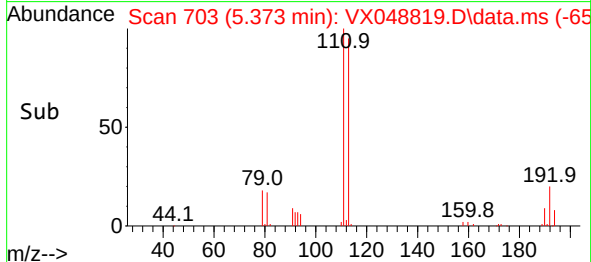
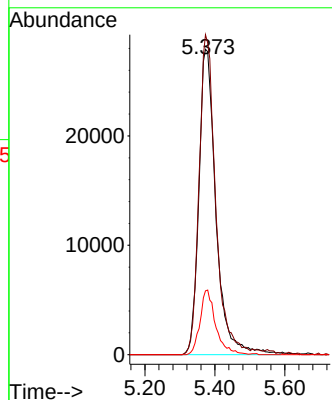
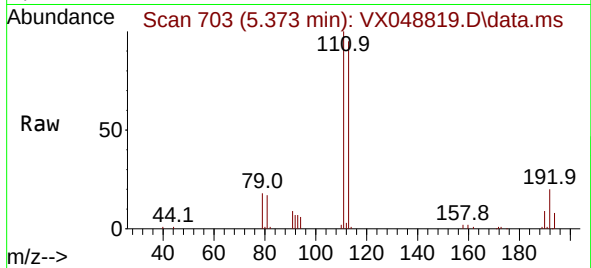




#35
Dibromofluoromethane
Concen: 47.152 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

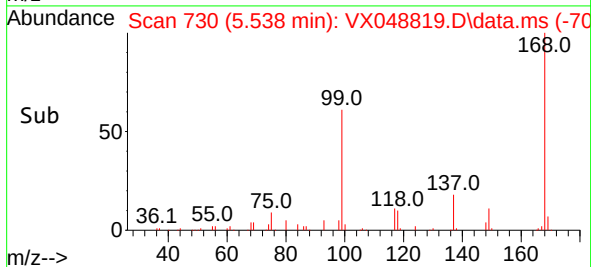
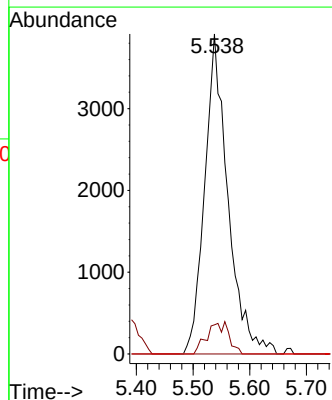
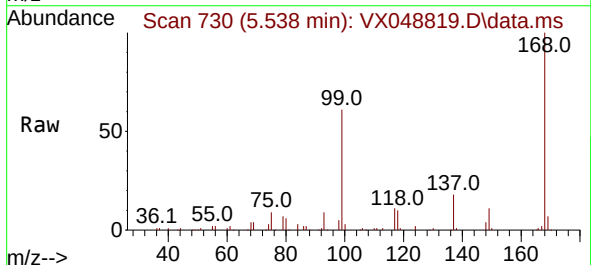
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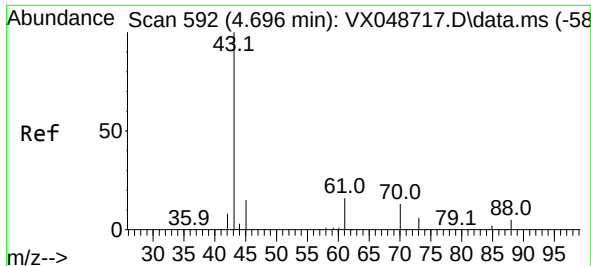
Tgt Ion:113 Resp: 94818
Ion Ratio Lower Upper
113 100
111 101.3 79.5 119.3
192 19.4 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.044 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

Tgt Ion: 75 Resp: 11137
Ion Ratio Lower Upper
75 100
110 9.4 18.6 55.8#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 4.969 ug/l

RT: 4.550 min Scan# 5

Delta R.T. -0.146 min

Lab File: VX048819.D

Acq: 10 Dec 2025 17:56

Instrument :

MSVOA_X

ClientSampleId :

PB170875TB

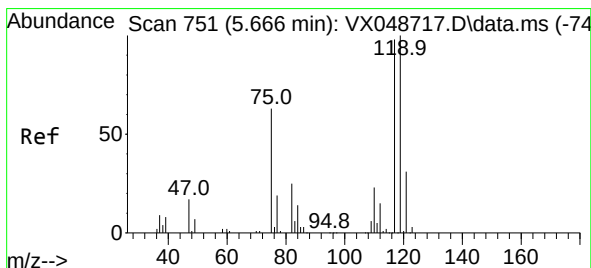
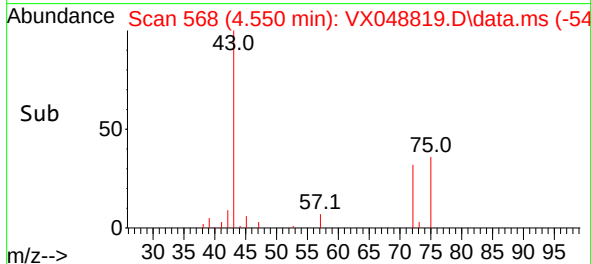
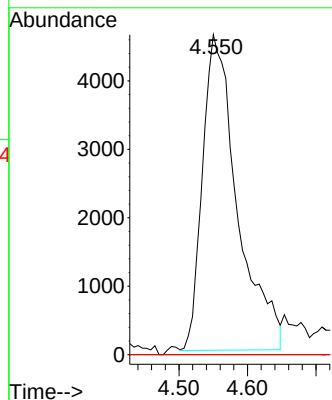
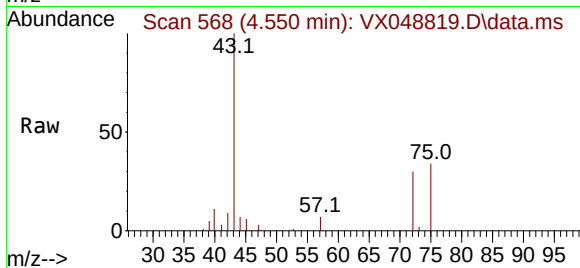
Tgt Ion: 43 Resp: 16352

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 4.604 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.128 min

Lab File: VX048819.D

Acq: 10 Dec 2025 17:56

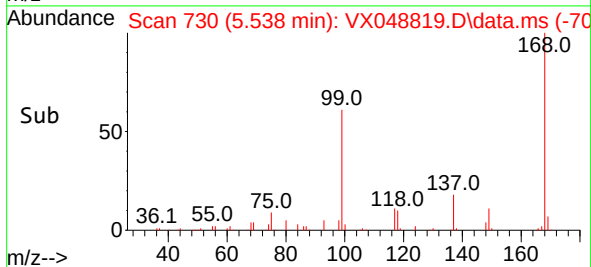
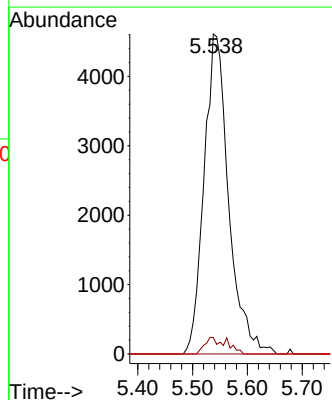
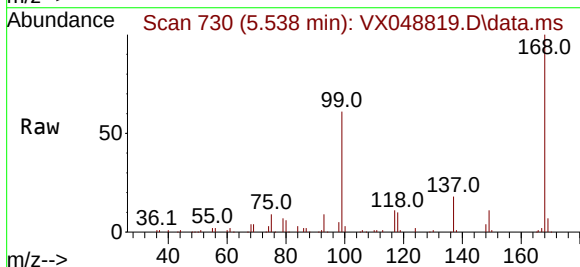
Tgt Ion: 117 Resp: 14362

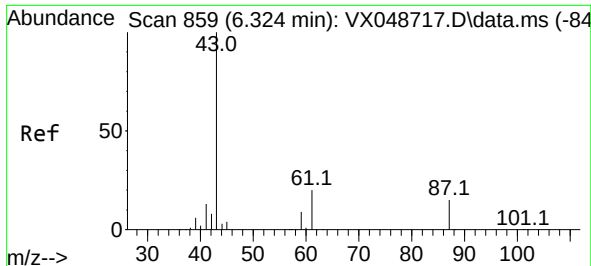
Ion Ratio Lower Upper

117 100

119 5.1 80.5 120.7#

121 0.0 25.4 38.0#

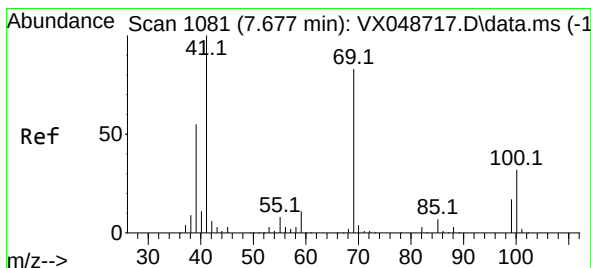
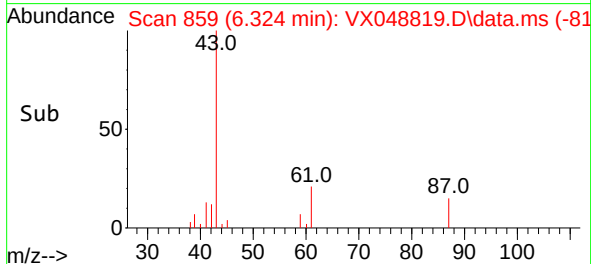
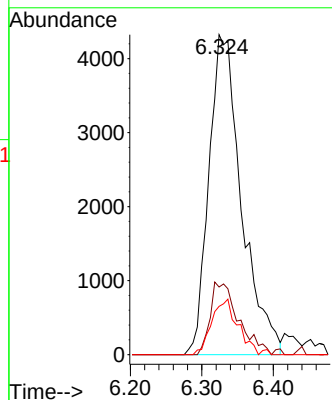
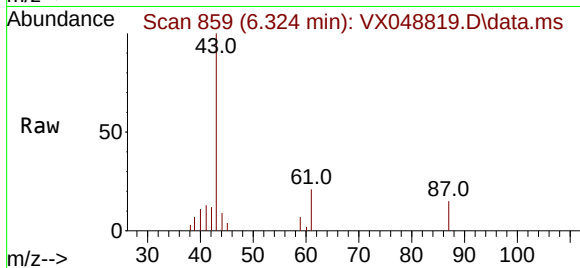




#43
Isopropyl Acetate
Concen: 2.748 ug/l
RT: 6.324 min Scan# 859
Delta R.T. 0.000 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

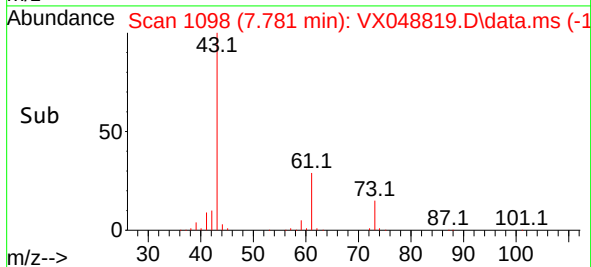
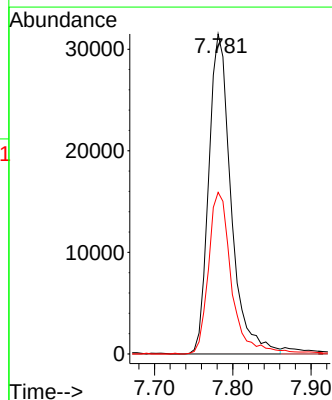
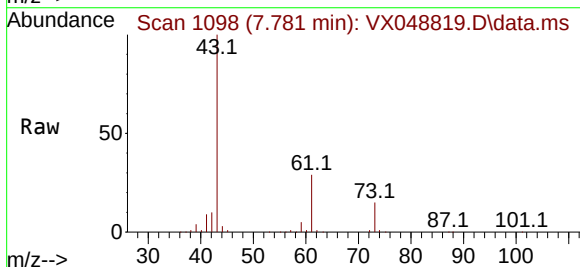
Instrument :
MSVOA_X
ClientSampleId :
PB170875TB

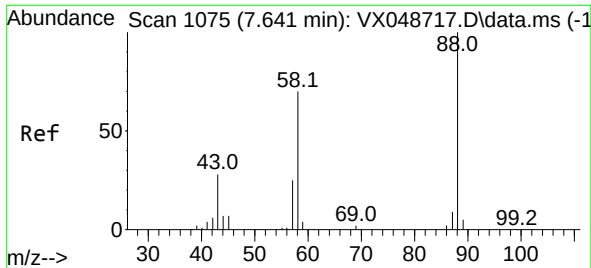
Tgt Ion:	43	Resp:	13696
Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.8	25.2
87	14.2	11.8	17.6



#48
Methyl methacrylate
Concen: 24.894 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.104 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

Tgt Ion:	41	Resp:	62405
Ion	Ratio	Lower	Upper
41	100		
69	0.0	68.5	102.7#
39	52.5	43.5	65.3

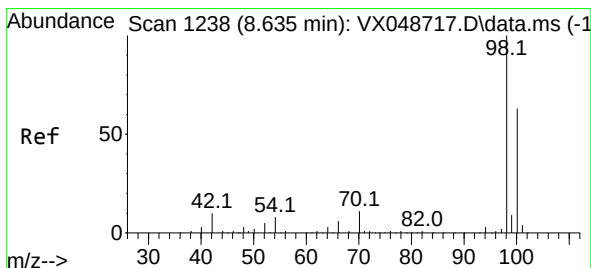
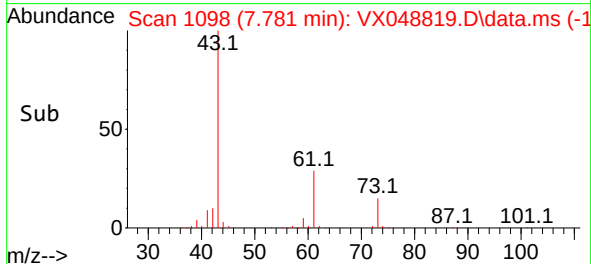
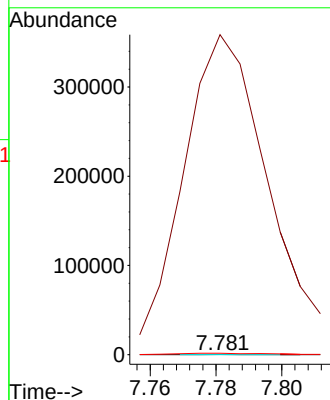
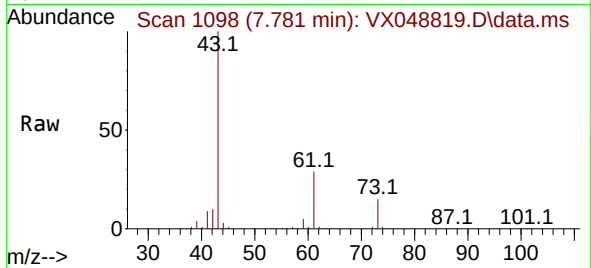




#49
 1,4-Dioxane
 Concen: 2.059 ug/l
 RT: 7.781 min Scan# 1098
 Delta R.T. 0.140 min
 Lab File: VX048819.D
 Acq: 10 Dec 2025 17:56

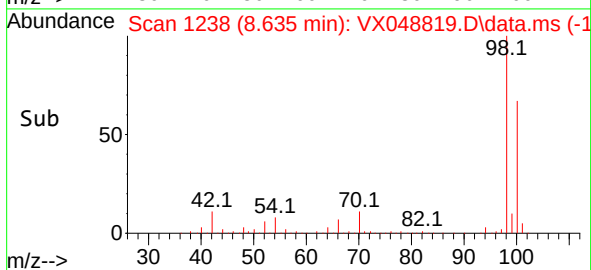
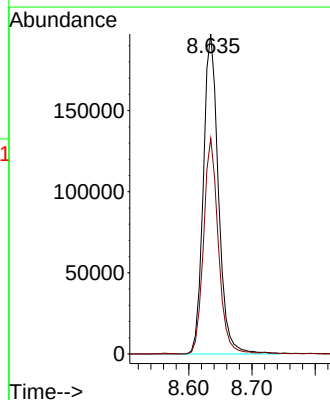
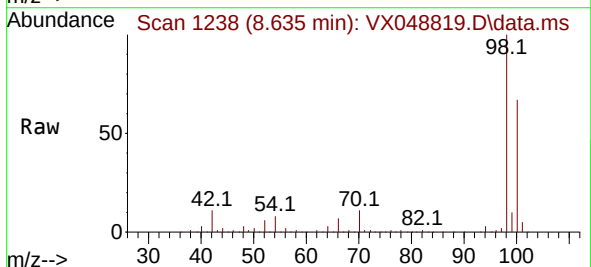
Instrument :
 MSVOA_X
 ClientSampleId :
 PB170875TB

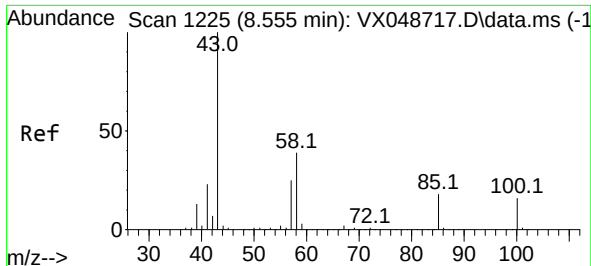
Tgt Ion: 88 Resp: 71
 Ion Ratio Lower Upper
 88 100
 43 973062.0 28.6 43.0#
 58 4791.5 58.0 87.0#



#50
 Toluene-d8
 Concen: 46.623 ug/l
 RT: 8.635 min Scan# 1238
 Delta R.T. 0.000 min
 Lab File: VX048819.D
 Acq: 10 Dec 2025 17:56

Tgt Ion: 98 Resp: 328636
 Ion Ratio Lower Upper
 98 100
 100 65.8 53.4 80.0

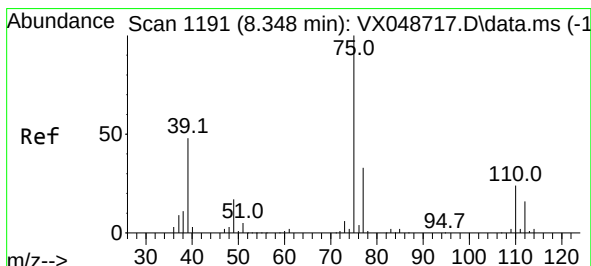
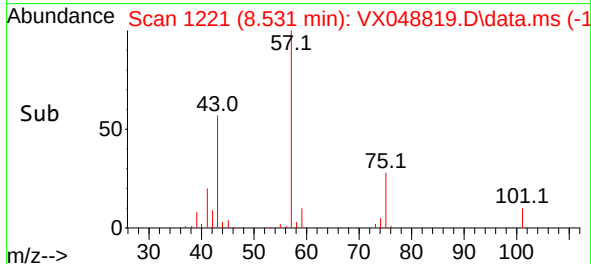
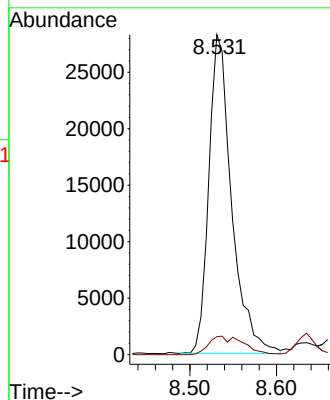
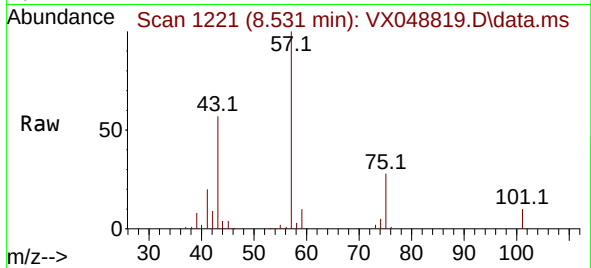




#51
4-Methyl-2-Pentanone
Concen: 16.679 ug/l
RT: 8.531 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

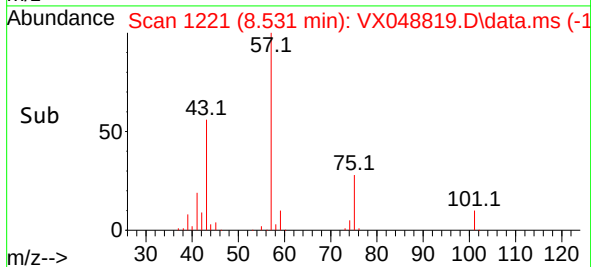
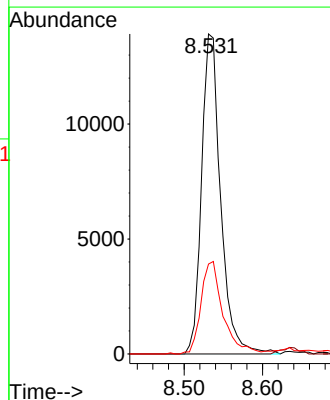
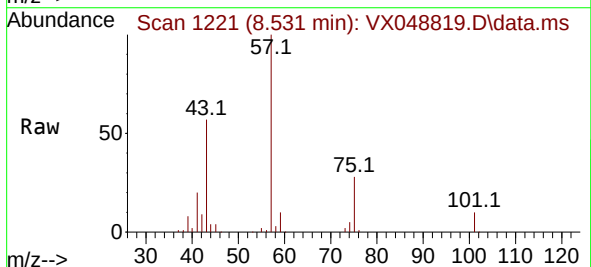
Instrument :
MSVOA_X
ClientSampleId :
PB170875TB

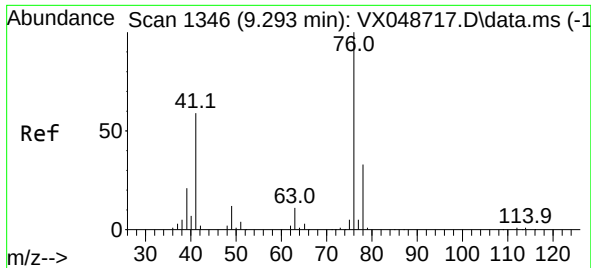
Tgt Ion: 43 Resp: 51589
Ion Ratio Lower Upper
43 100
58 8.9 32.2 48.4#



#54
cis-1,3-Dichloropropene
Concen: 7.139 ug/l
RT: 8.531 min Scan# 1221
Delta R.T. 0.183 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

Tgt Ion: 75 Resp: 23550
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 28.1 38.2 57.4#

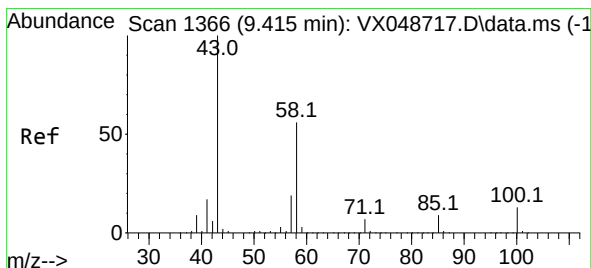
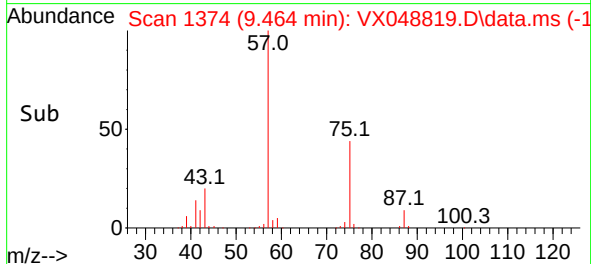
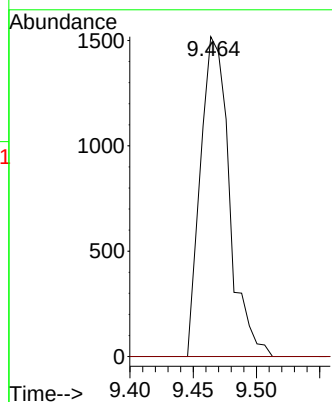
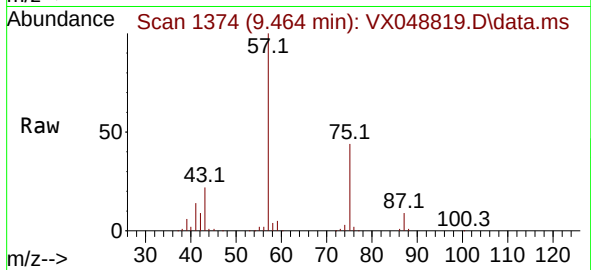




#57
1,3-Dichloropropane
Concen: 0.732 ug/l
RT: 9.464 min Scan# 1374
Delta R.T. 0.171 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

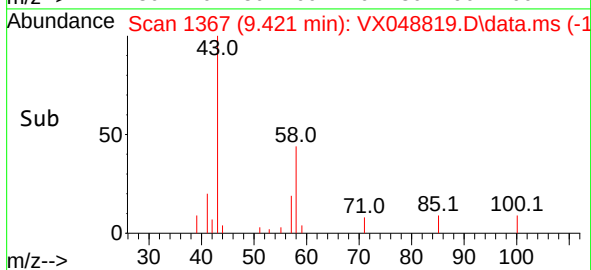
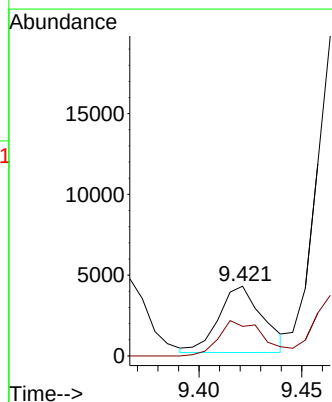
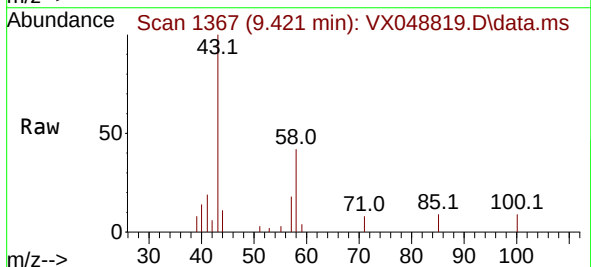
Instrument :
MSVOA_X
ClientSampleId :
PB170875TB

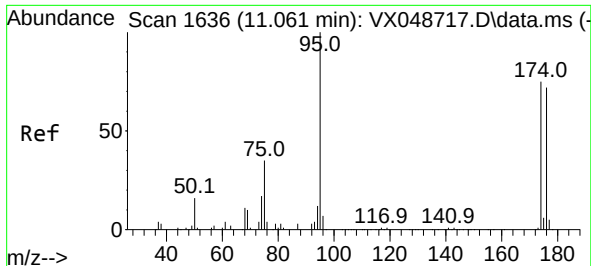
Tgt Ion: 76 Resp: 2412
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 2.806 ug/l
RT: 9.421 min Scan# 1367
Delta R.T. 0.006 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

Tgt Ion: 43 Resp: 6093
Ion Ratio Lower Upper
43 100
58 55.5 27.8 83.4

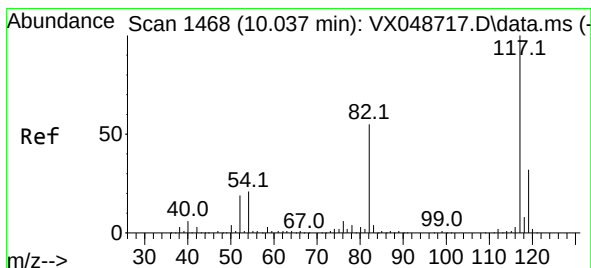
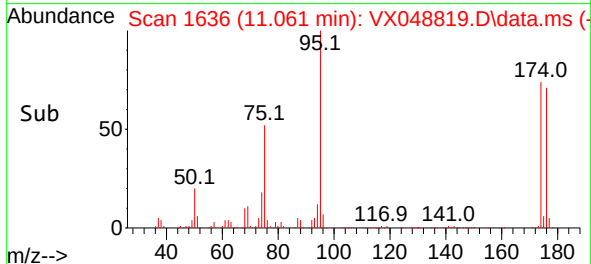
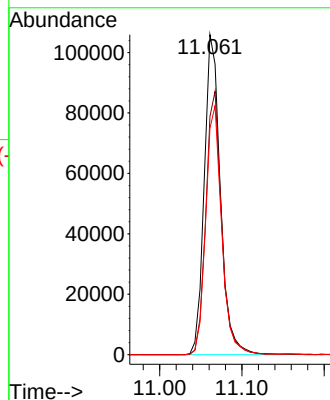
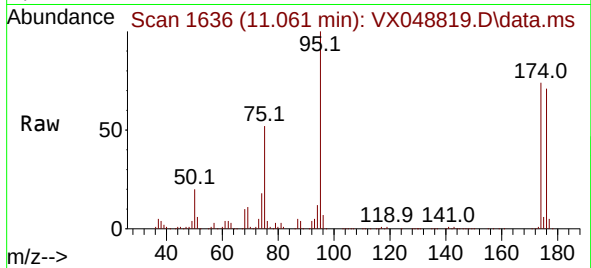




#62
4-Bromofluorobenzene
Concen: 59.232 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

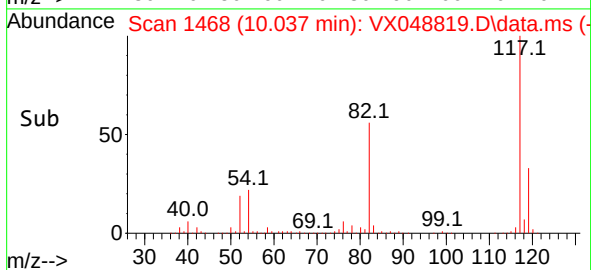
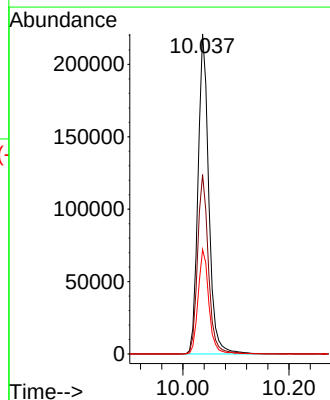
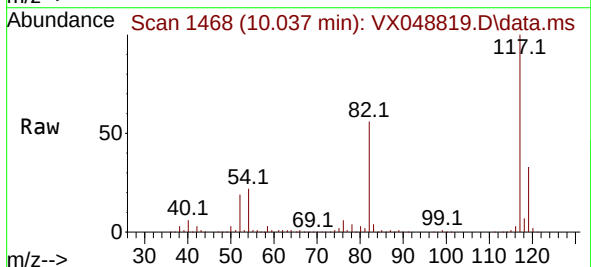
Instrument :
MSVOA_X
ClientSampleId :
PB170875TB

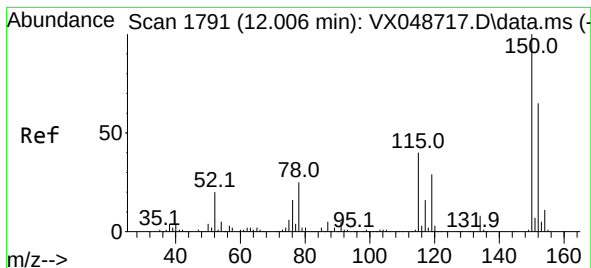
Tgt Ion: 95 Resp: 143972
Ion Ratio Lower Upper
95 100
174 81.1 0.0 157.8
176 77.2 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

Tgt Ion: 117 Resp: 311757
Ion Ratio Lower Upper
117 100
82 56.1 44.1 66.1
119 32.6 25.2 37.8

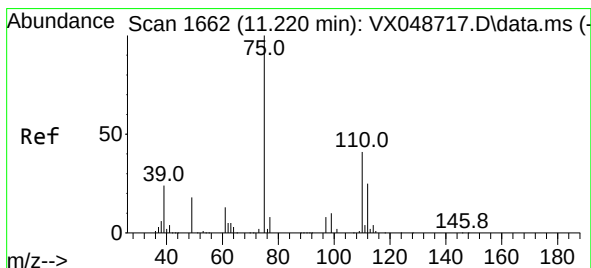
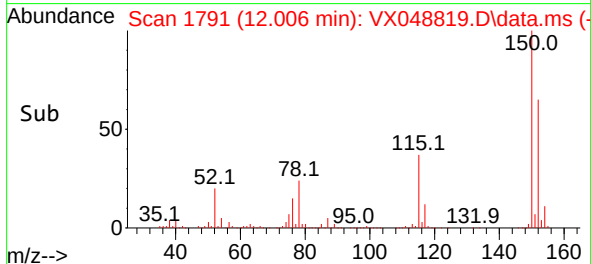
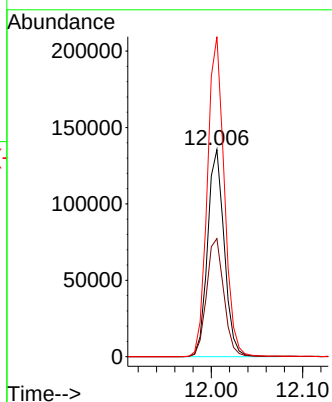
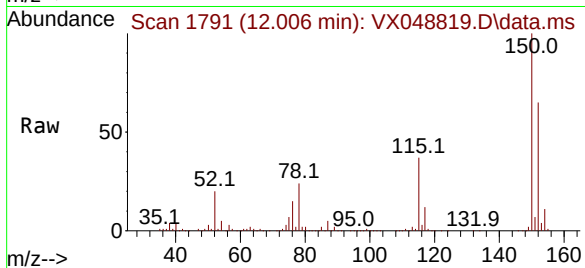




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

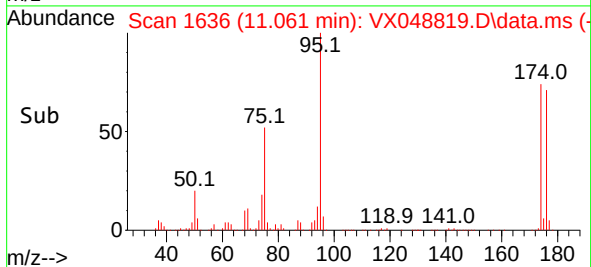
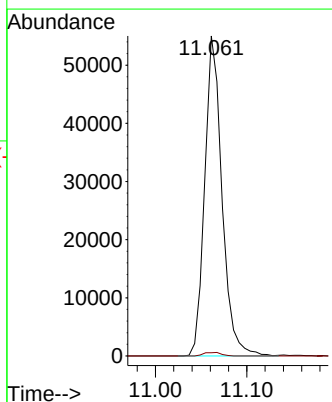
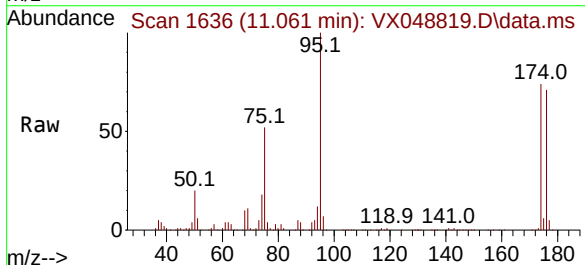
Instrument :
MSVOA_X
ClientSampleId :
PB170875TB

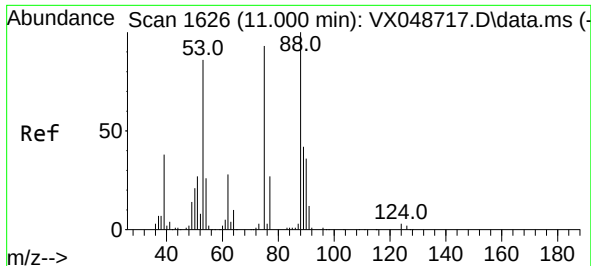
Tgt Ion:152 Resp: 171301
Ion Ratio Lower Upper
152 100
115 59.2 42.1 126.4
150 156.7 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 22.624 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.158 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

Tgt Ion: 75 Resp: 72182
Ion Ratio Lower Upper
75 100
77 1.1 24.3 73.0#

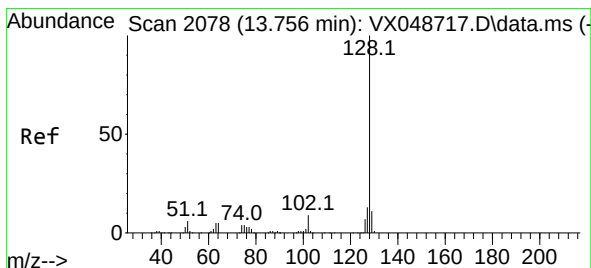
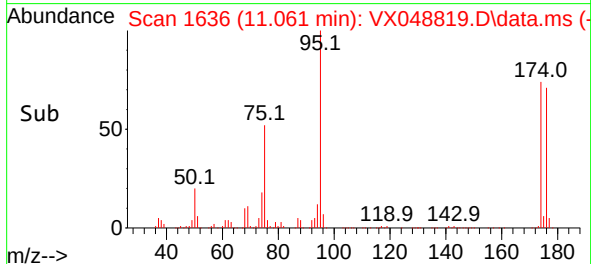
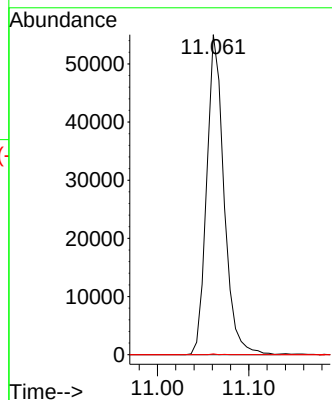
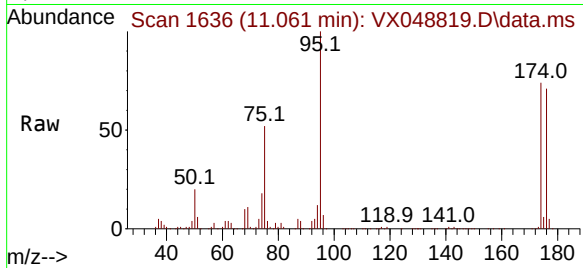




#81
trans-1,4-Dichloro-2-butene
Concen: 53.740 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

Instrument :
MSVOA_X
ClientSampleId :
PB170875TB

Tgt Ion: 75 Resp: 72182
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.1 67.1 100.7#



#95
Naphthalene
Concen: Below Cal
RT: 13.768 min Scan# 2080
Delta R.T. 0.012 min
Lab File: VX048819.D
Acq: 10 Dec 2025 17:56

Tgt Ion:128 Resp: 414
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

