

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046551.D
 Acq On : 07 Jun 2025 03:05
 Operator : JC/MD
 Sample : PB168272TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB168272TB

Quant Time: Jun 07 04:29:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

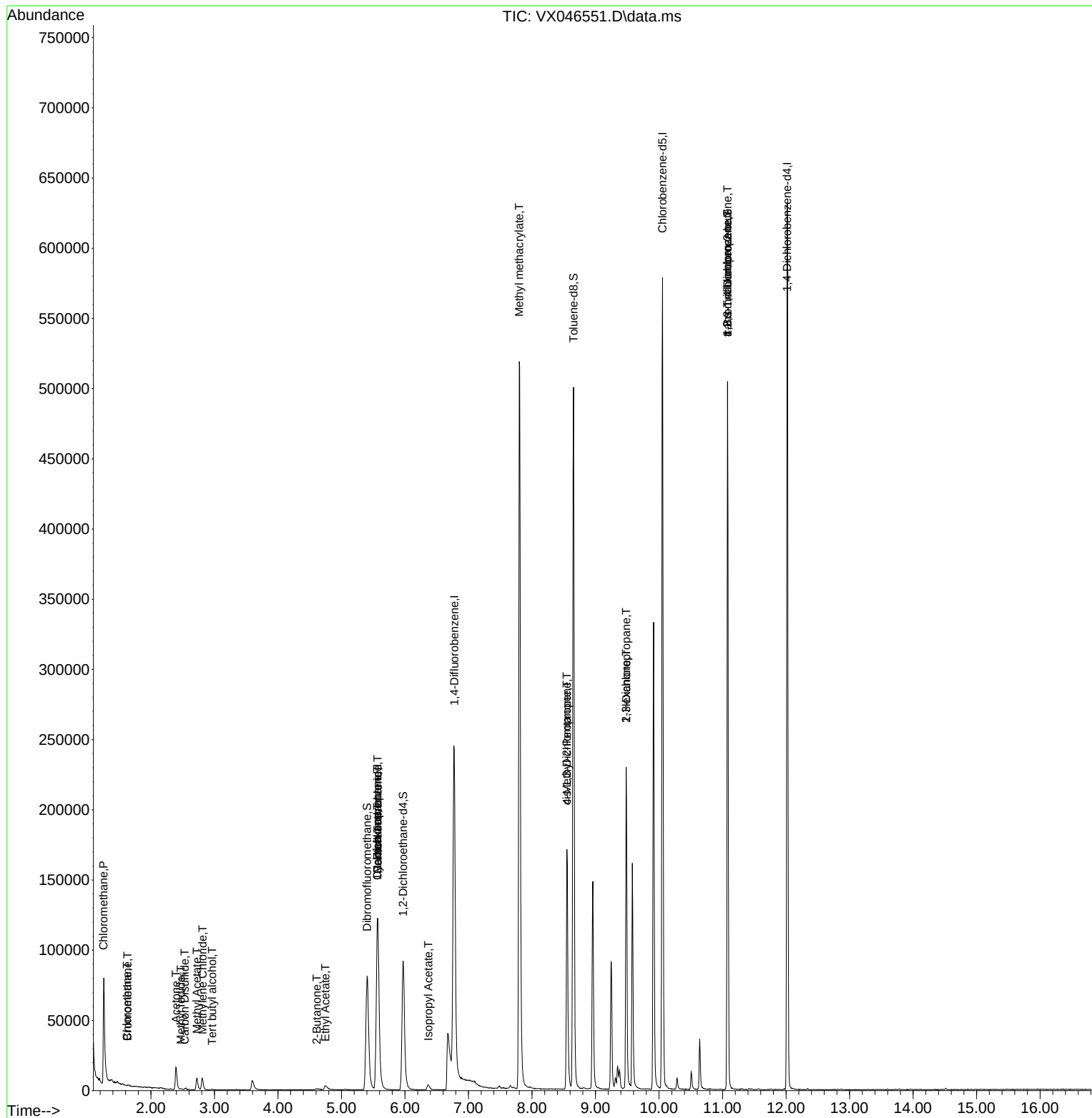
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	116586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	229837	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	120663	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	99800	48.115	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.240%
35) Dibromofluoromethane	5.403	113	76647	45.348	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.700%
50) Toluene-d8	8.653	98	291261	52.268	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.540%
62) 4-Bromofluorobenzene	11.079	95	131043	56.838	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	113.680%
Target Compounds						
					Qvalue	
3) Chloromethane	1.252	50	2494	1.693	ug/l #	43
5) Bromomethane	1.630	94	233	0.261	ug/l #	59
6) Chloroethane	1.624	64	585	0.614	ug/l #	44
10) Methyl Iodide	2.471	142	498	0.300	ug/l #	77
11) Tert butyl alcohol	2.965	59	49	0.213	ug/l #	72
16) Acetone	2.392	43	20814	29.679	ug/l	97
17) Carbon Disulfide	2.532	76	420	0.345	ug/l #	76
18) Methyl Acetate	2.721	43	12157	4.921	ug/l	99
20) Methylene Chloride	2.812	84	3981	2.392	ug/l	92
25) 2-Butanone	4.611	43	1881	1.629	ug/l #	90
31) Cyclohexane	5.562	56	3332	1.382	ug/l #	14
36) 1,1-Dichloropropene	5.562	75	10765	4.459	ug/l #	51
37) Ethyl Acetate	4.745	43	5589	2.372	ug/l	95
38) Carbon Tetrachloride	5.568	117	13700	5.066	ug/l #	16
43) Isopropyl Acetate	6.367	43	6086	1.482	ug/l #	95
48) Methyl methacrylate	7.799	41	51734	24.477	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	64802	24.824	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	26718	9.876	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	1847	0.623	ug/l #	42
59) 2-Hexanone	9.482	43	31135	16.630	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	71441	27.953	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	71441	80.632	ug/l #	1

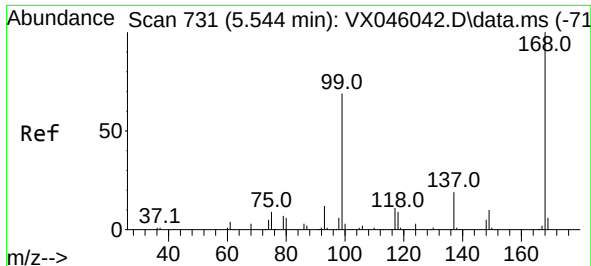
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
PB168272TB

Quant Time: Jun 07 04:29:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

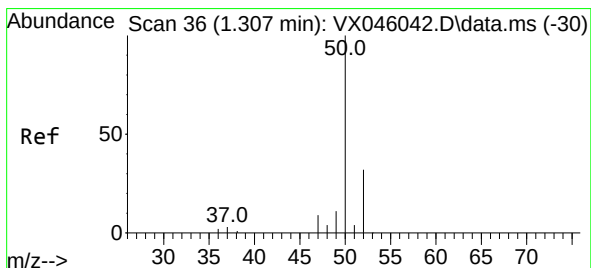
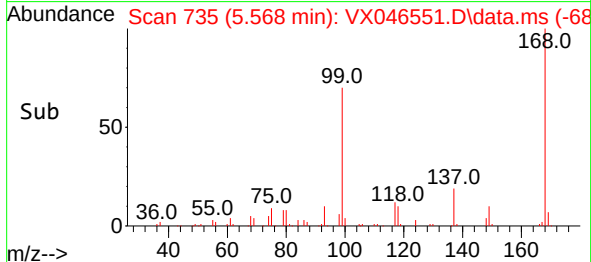
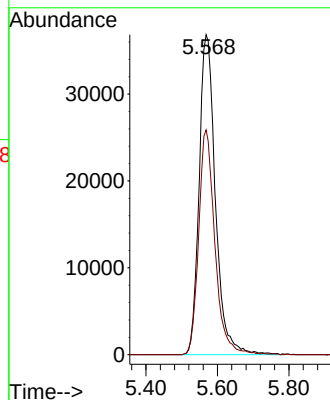
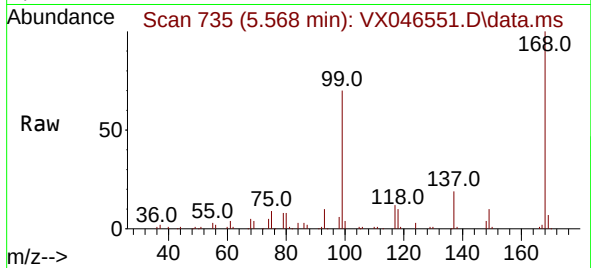




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

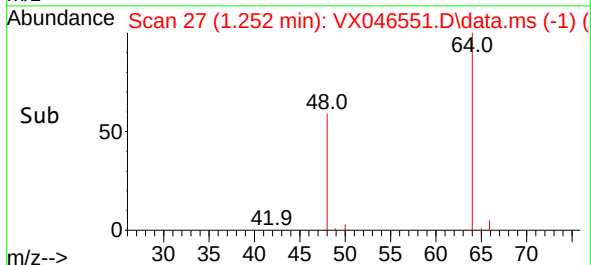
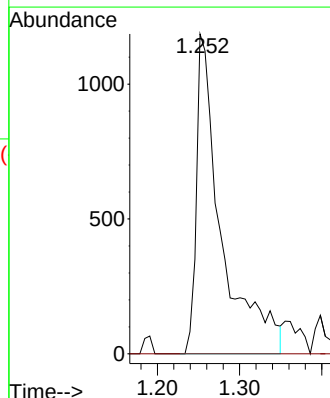
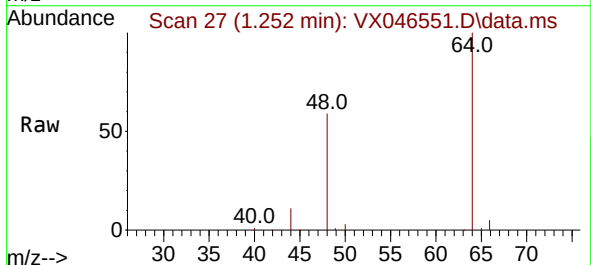
Instrument :
MSVOA_X
ClientSampleId :
PB168272TB

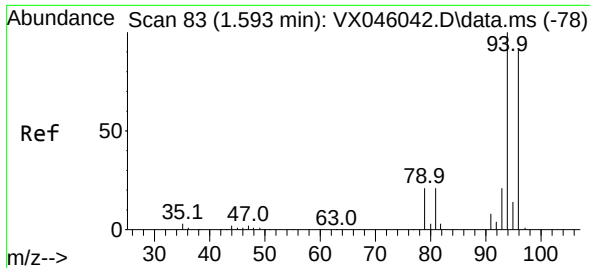
Tgt Ion:168 Resp: 116586
Ion Ratio Lower Upper
168 100
99 70.2 54.9 82.3



#3
Chloromethane
Concen: 1.693 ug/l
RT: 1.252 min Scan# 27
Delta R.T. -0.055 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

Tgt Ion: 50 Resp: 2494
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

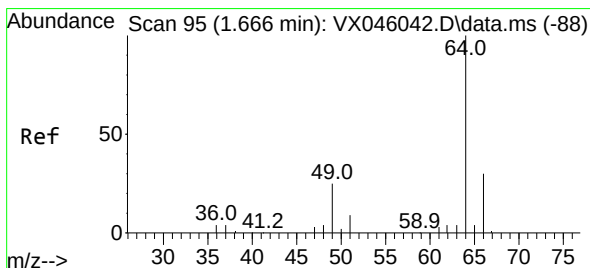
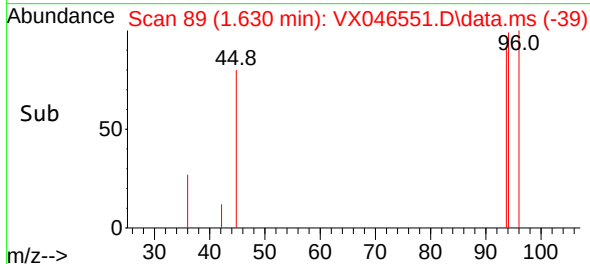
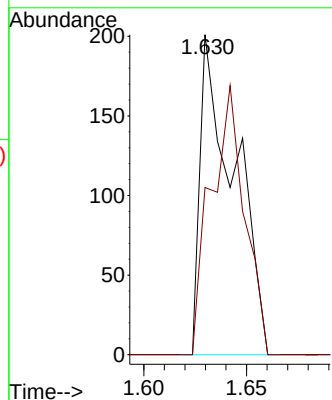
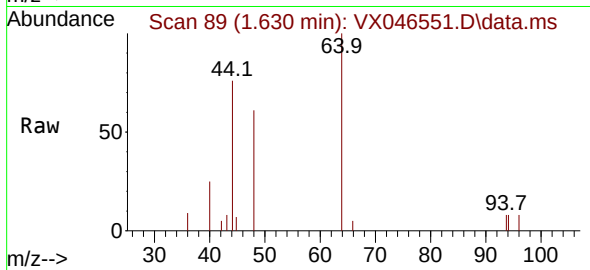




#5
Bromomethane
Concen: 0.261 ug/l
RT: 1.630 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

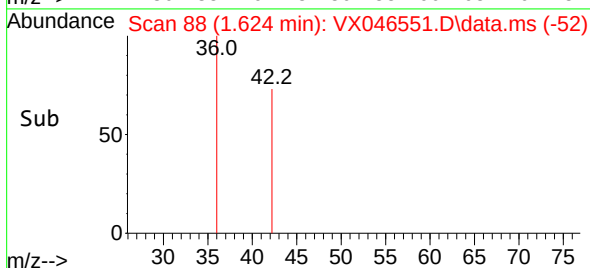
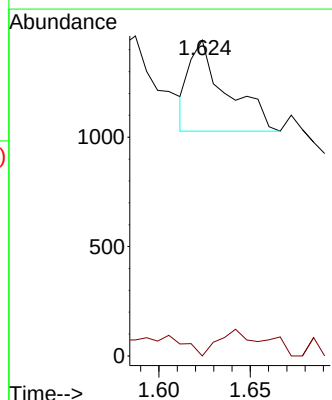
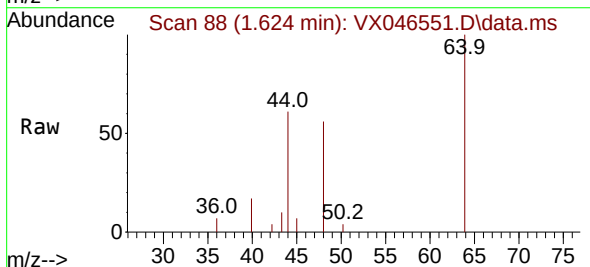
Instrument :
MSVOA_X
ClientSampleId :
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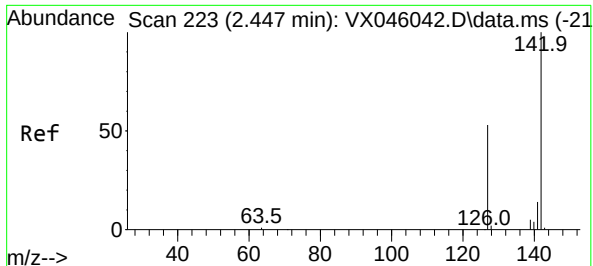
Tgt Ion: 94 Resp: 233
Ion Ratio Lower Upper
94 100
96 52.2 72.8 109.2#



#6
Chloroethane
Concen: 0.614 ug/l
RT: 1.624 min Scan# 88
Delta R.T. -0.079 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

Tgt Ion: 64 Resp: 585
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

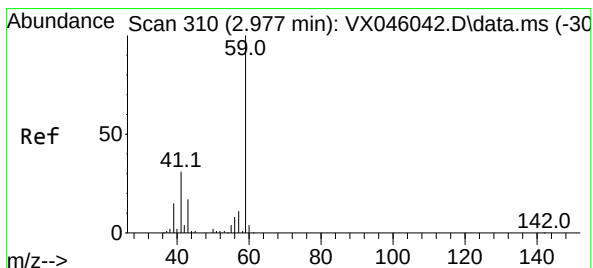
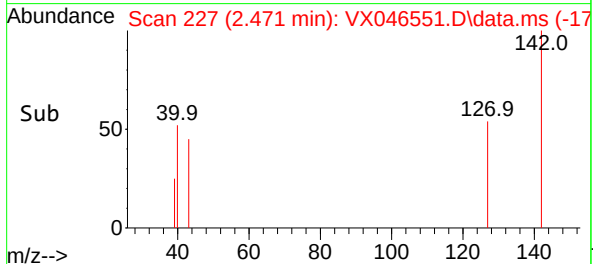
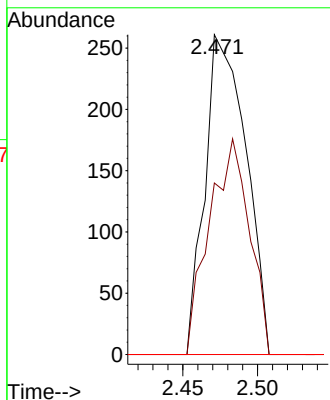
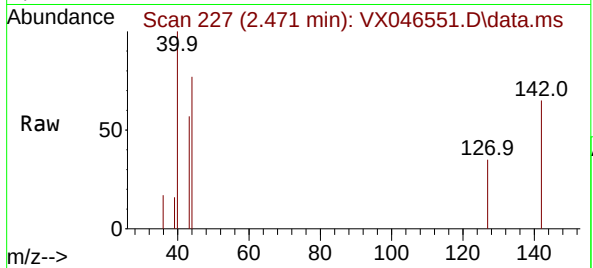




#10
Methyl Iodide
Concen: 0.300 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

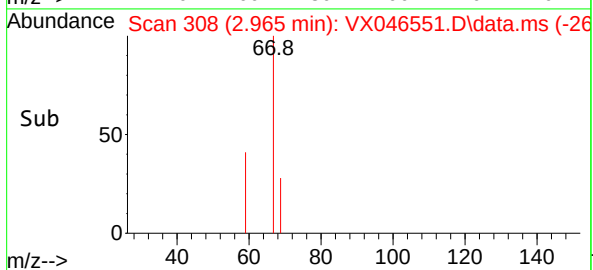
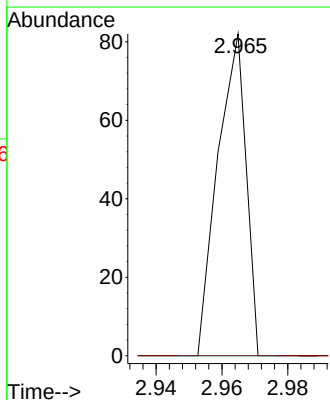
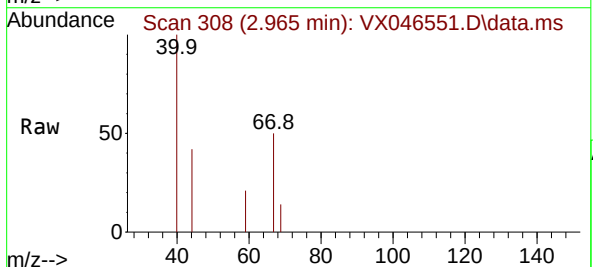
Instrument :
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ClientSampleId :
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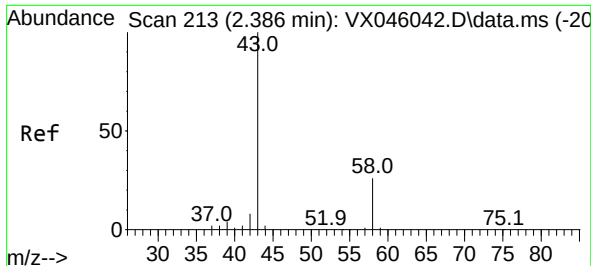
Tgt Ion:142 Resp: 498
Ion Ratio Lower Upper
142 100
127 66.1 41.7 62.5#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.213 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.006 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

Tgt Ion: 59 Resp: 49
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

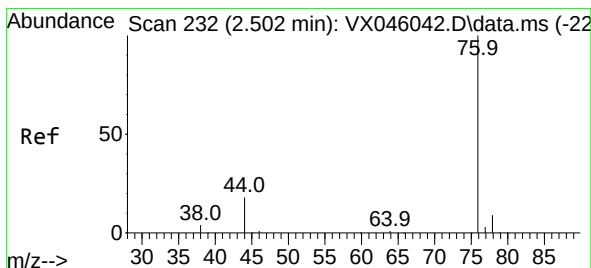
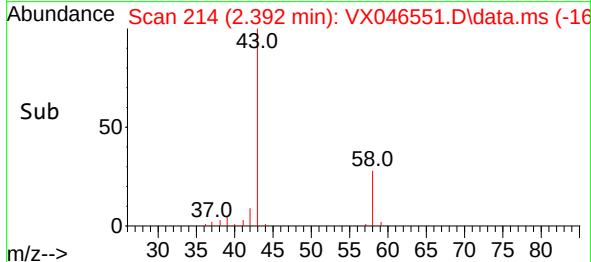
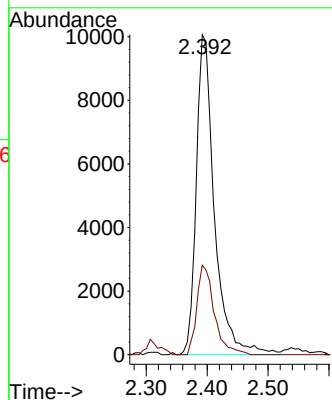
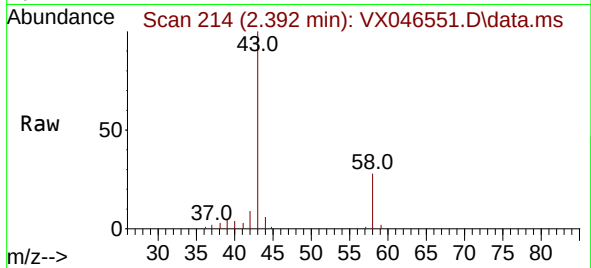




#16
Acetone
Concen: 29.679 ug/l
RT: 2.392 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

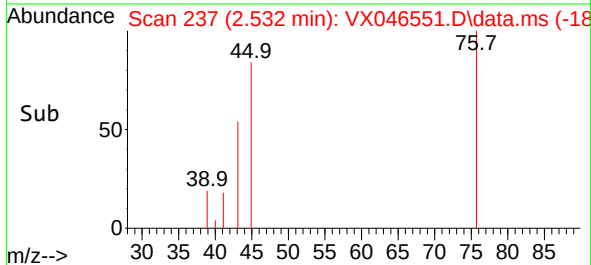
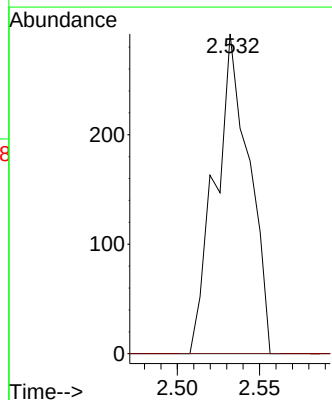
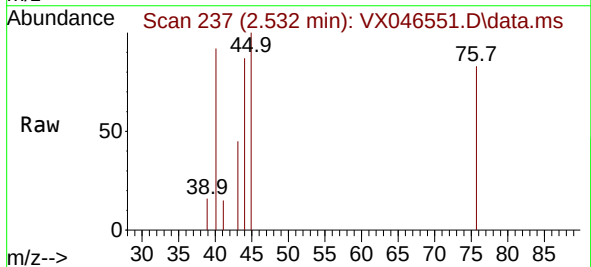
Instrument :
MSVOA_X
ClientSampleId :
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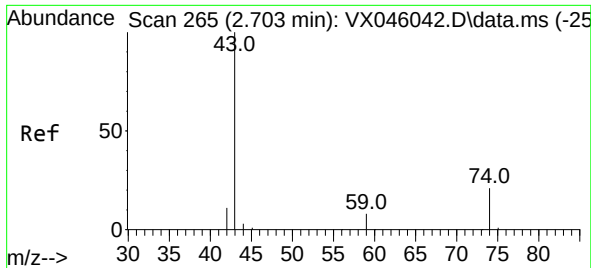
Tgt Ion: 43 Resp: 20814
Ion Ratio Lower Upper
43 100
58 28.0 21.2 31.8



#17
Carbon Disulfide
Concen: 0.345 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

Tgt Ion: 76 Resp: 420
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

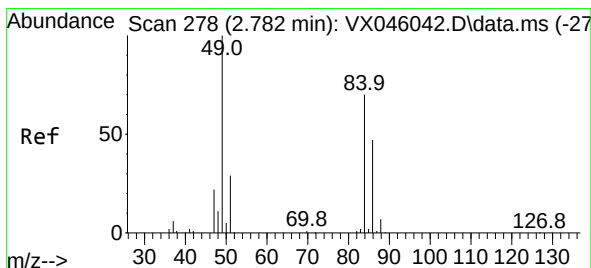
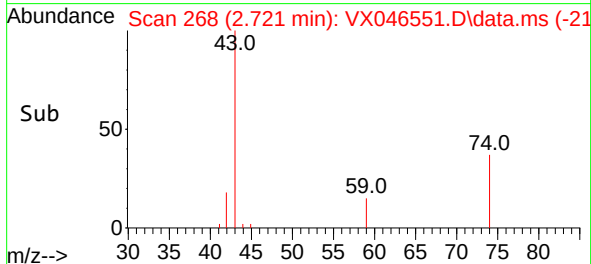
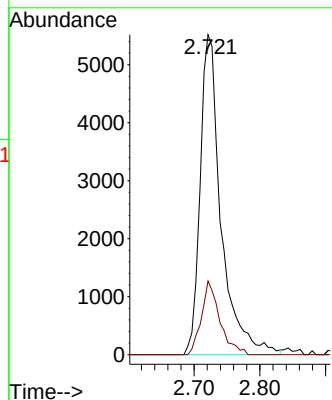
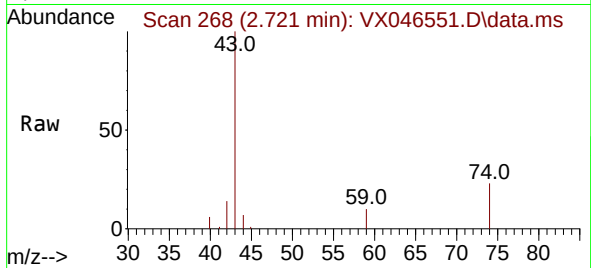




#18
Methyl Acetate
Concen: 4.921 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

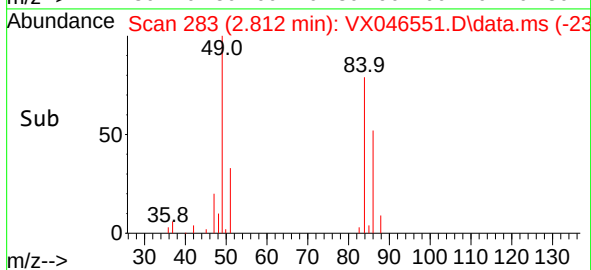
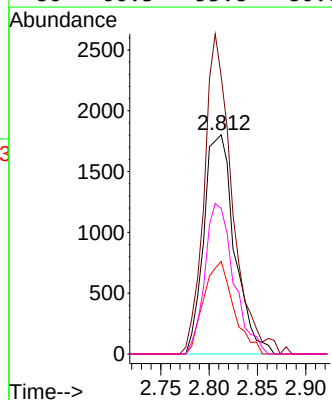
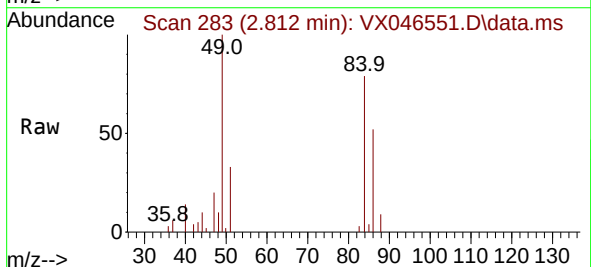
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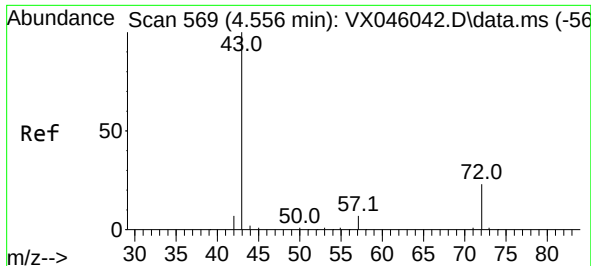
Tgt Ion: 43 Resp: 12157
Ion Ratio Lower Upper
43 100
74 20.3 16.7 25.1



#20
Methylene Chloride
Concen: 2.392 ug/l
RT: 2.812 min Scan# 283
Delta R.T. 0.006 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

Tgt Ion: 84 Resp: 3981
Ion Ratio Lower Upper
84 100
49 126.7 113.9 170.9
51 42.2 33.5 50.3
86 66.3 53.8 80.8

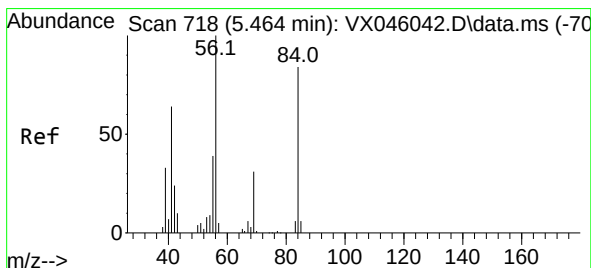
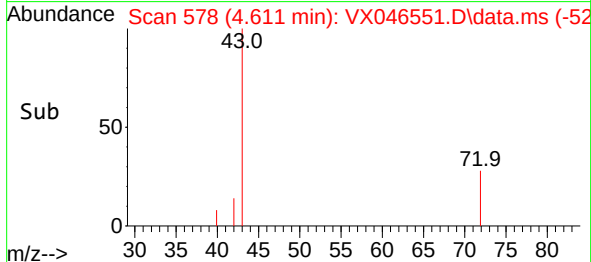
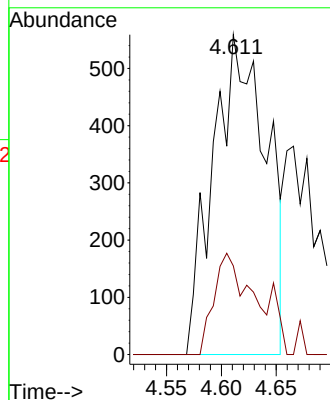
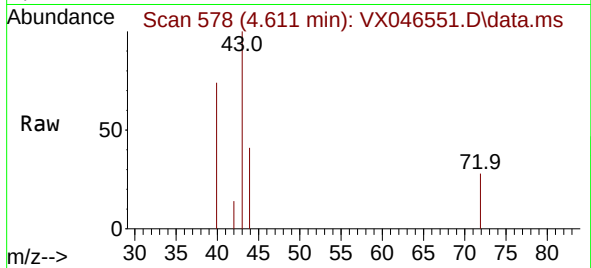




#25
2-Butanone
Concen: 1.629 ug/l
RT: 4.611 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

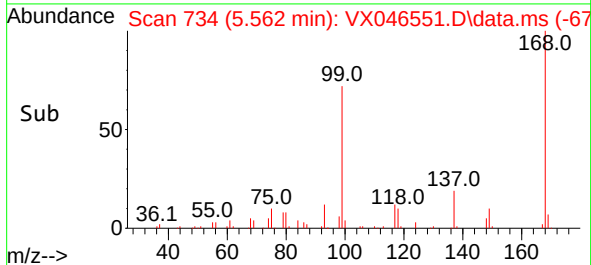
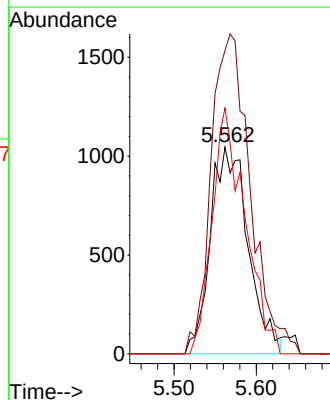
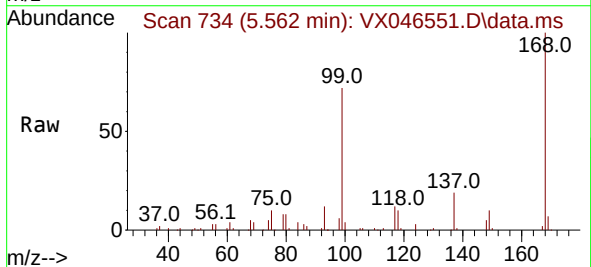
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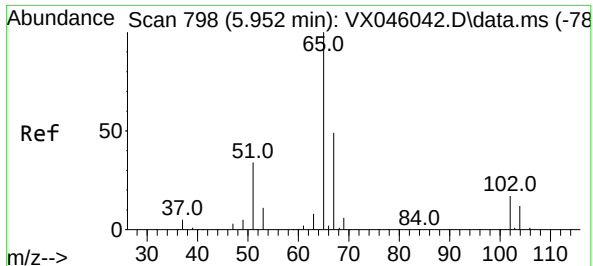
Tgt Ion: 43 Resp: 1881
Ion Ratio Lower Upper
43 100
72 27.7 18.4 27.6#



#31
Cyclohexane
Concen: 1.382 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.073 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

Tgt Ion: 56 Resp: 3332
Ion Ratio Lower Upper
56 100
69 146.9 24.4 36.6#
84 118.9 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 48.115 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.000 min

Lab File: VX046551.D

Acq: 07 Jun 2025 03:05

Instrument :

MSVOA_X

ClientSampleId :

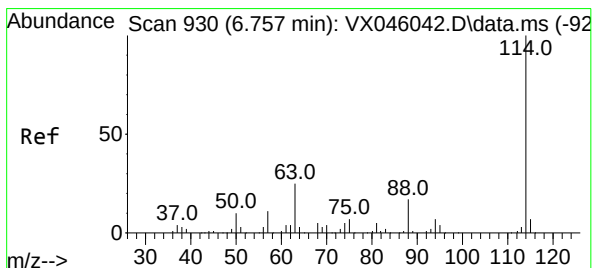
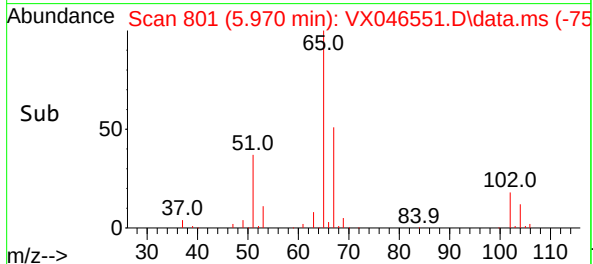
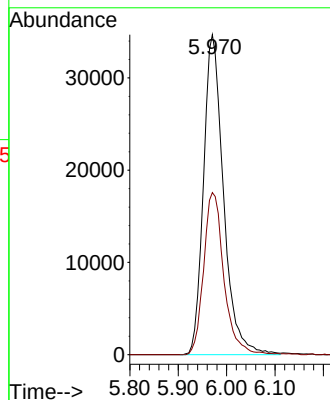
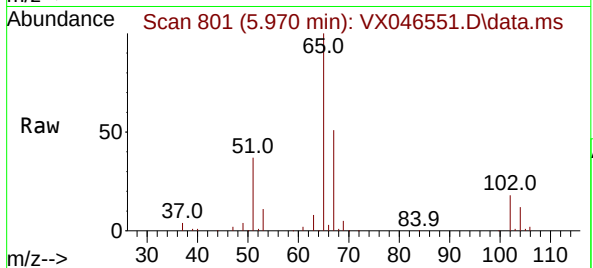
PB168272TB

Tgt Ion: 65 Resp: 99800

Ion Ratio Lower Upper

65 100

67 51.2 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.000 min

Lab File: VX046551.D

Acq: 07 Jun 2025 03:05

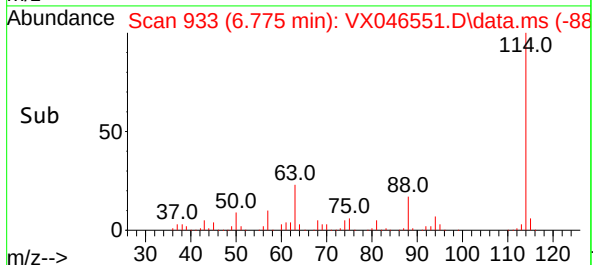
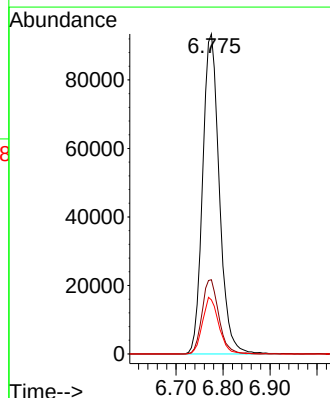
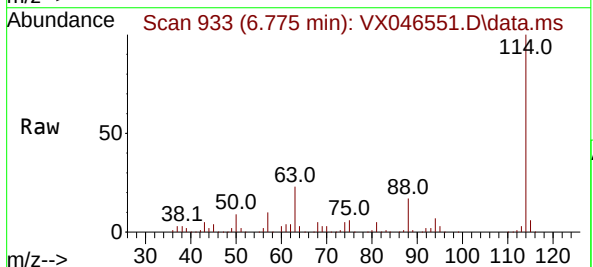
Tgt Ion: 114 Resp: 229837

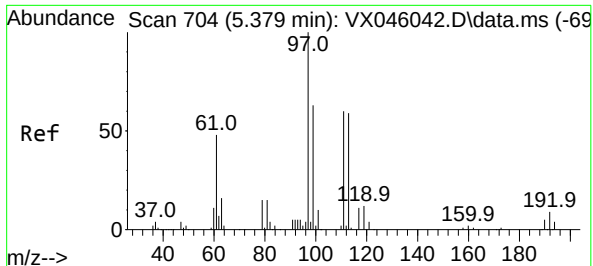
Ion Ratio Lower Upper

114 100

63 23.2 0.0 49.2

88 16.9 0.0 33.6

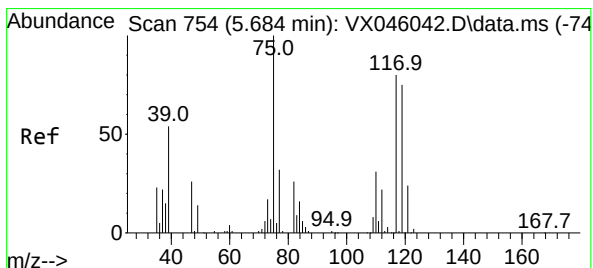
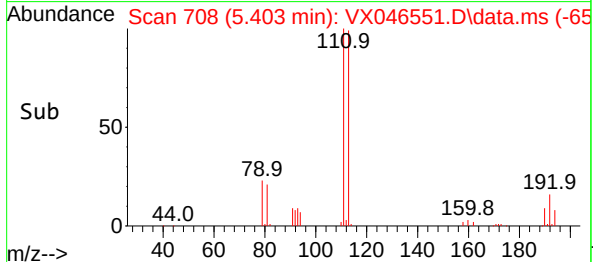
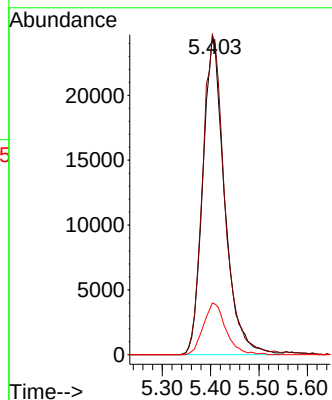
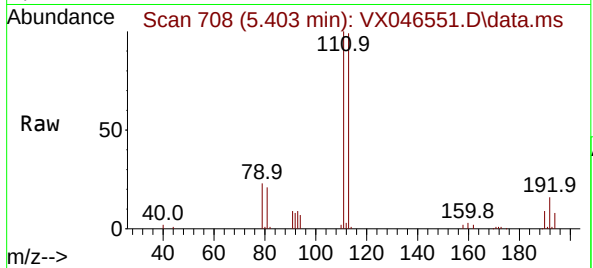




#35
Dibromofluoromethane
Concen: 45.348 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

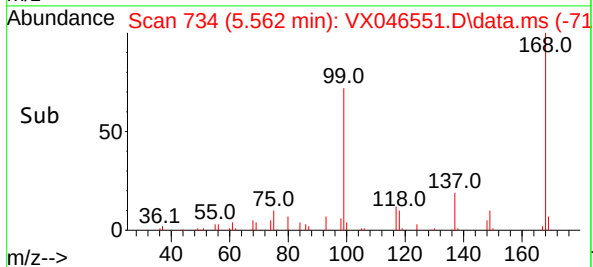
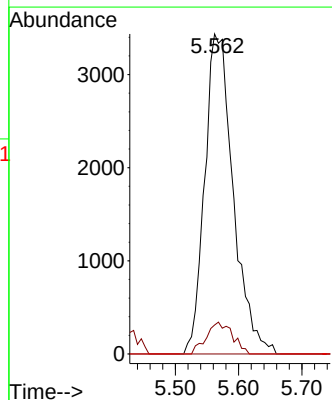
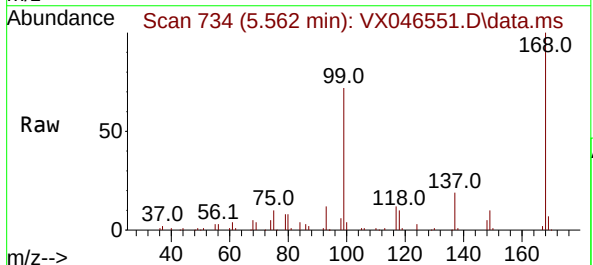
Instrument :
MSVOA_X
ClientSampleId :
PB168272TB

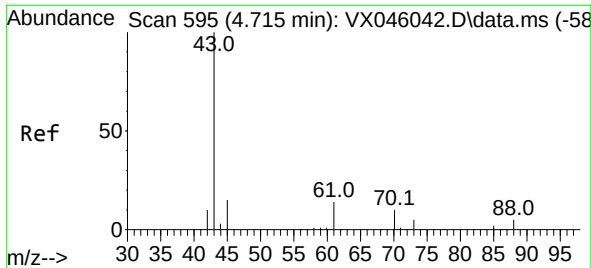
Tgt Ion:113 Resp: 76647
Ion Ratio Lower Upper
113 100
111 102.5 83.1 124.7
192 16.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.459 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.152 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

Tgt Ion: 75 Resp: 10765
Ion Ratio Lower Upper
75 100
110 9.1 16.3 48.9#
77 0.0 24.3 36.5#

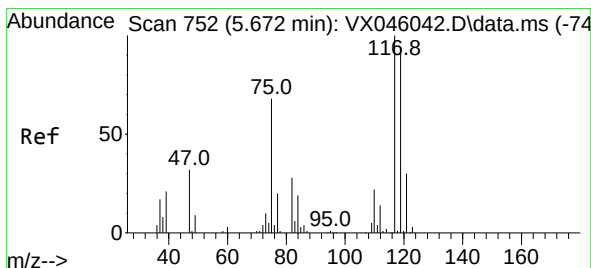
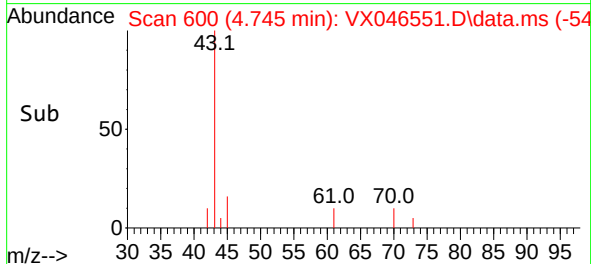
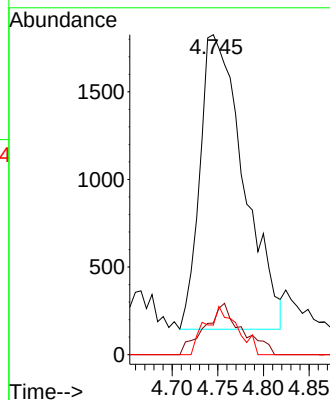
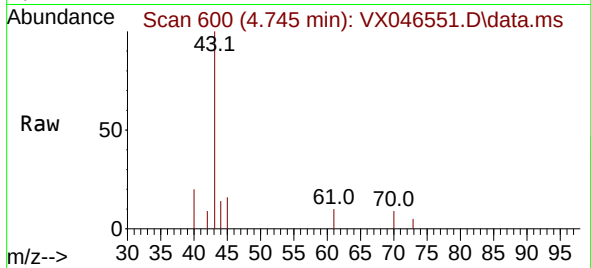




#37
Ethyl Acetate
Concen: 2.372 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.012 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

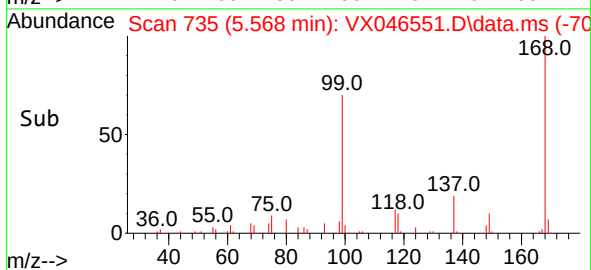
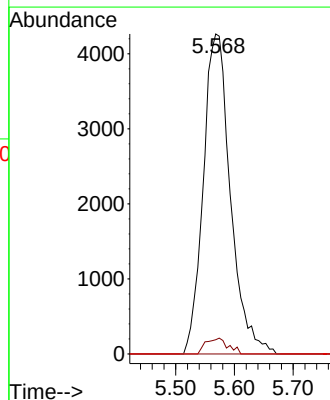
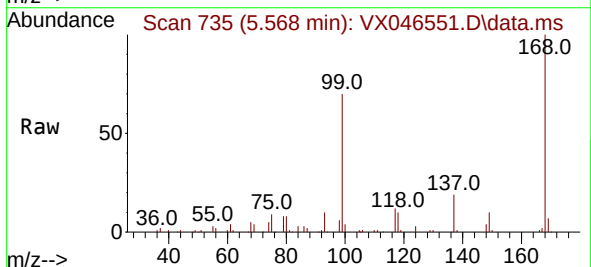
Instrument :
MSVOA_X
ClientSampleId :
PB168272TB

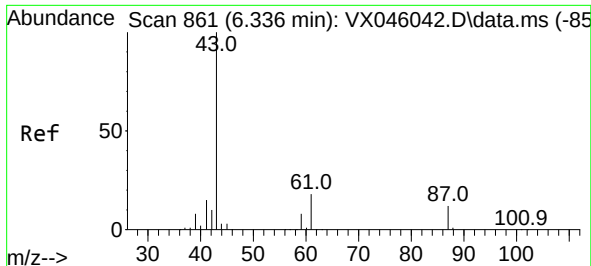
Tgt Ion:	43	Resp:	5589
Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.3	15.5
70	11.8	7.9	11.9



#38
Carbon Tetrachloride
Concen: 5.066 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.128 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

Tgt Ion:	117	Resp:	13700
Ion	Ratio	Lower	Upper
117	100		
119	4.5	75.2	112.8#
121	0.0	24.2	36.4#

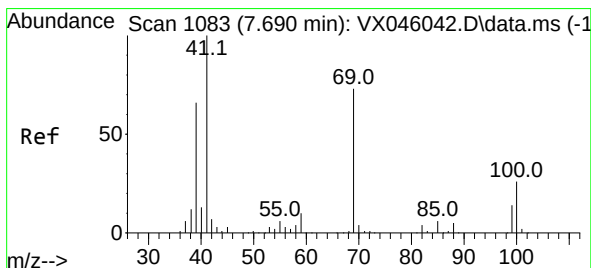
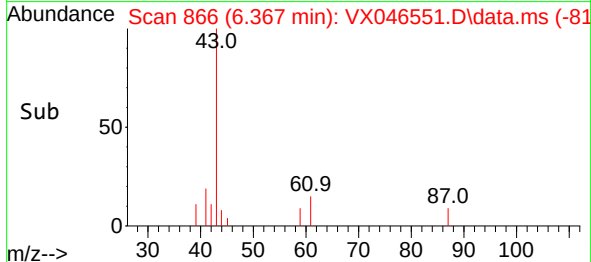
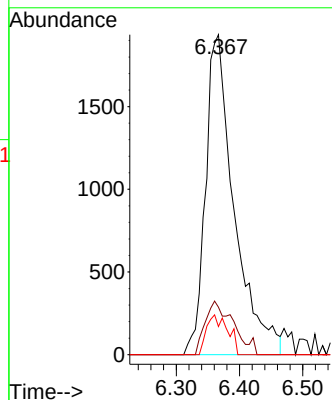
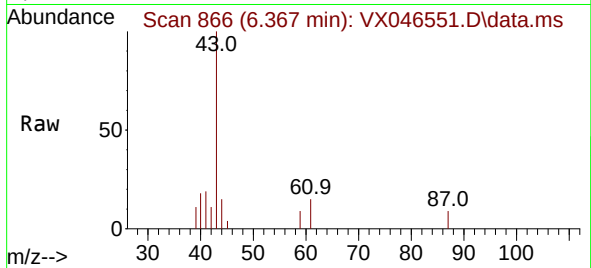




#43
Isopropyl Acetate
Concen: 1.482 ug/l
RT: 6.367 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

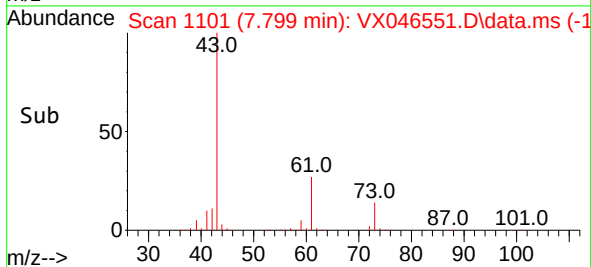
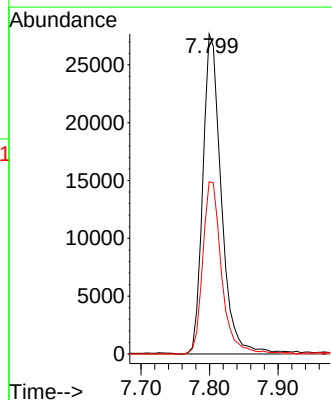
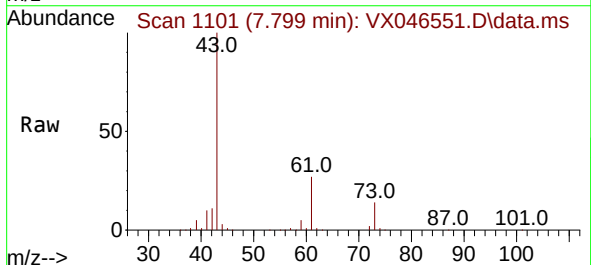
Instrument :
MSVOA_X
ClientSampleId :
PB168272TB

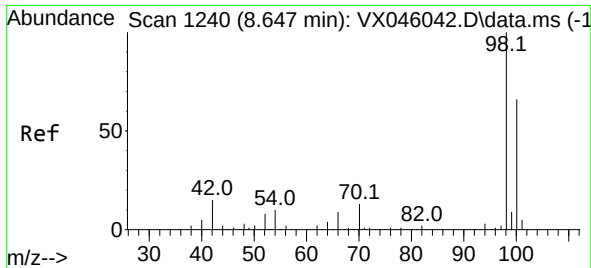
Tgt Ion: 43 Resp: 6086
Ion Ratio Lower Upper
43 100
61 16.5 14.3 21.5
87 9.2 9.5 14.3#



#48
Methyl methacrylate
Concen: 24.477 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

Tgt Ion: 41 Resp: 51734
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 55.0 51.7 77.5

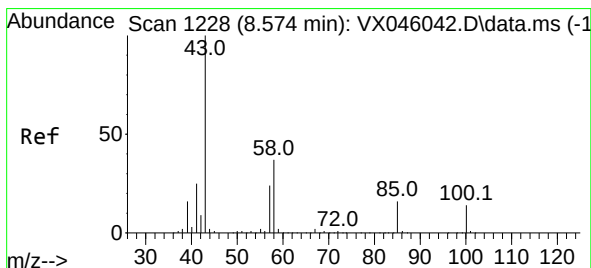
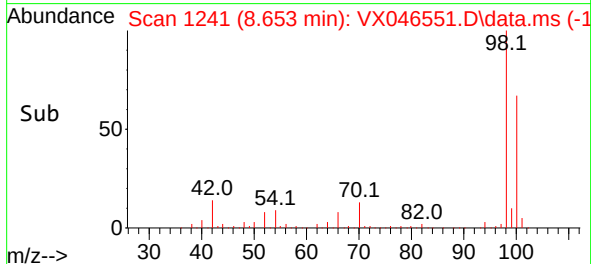
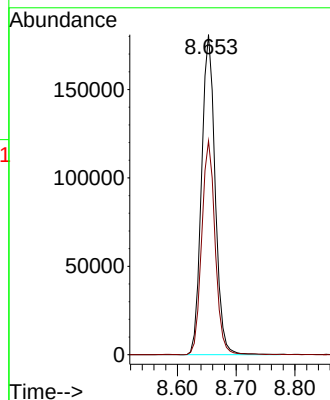
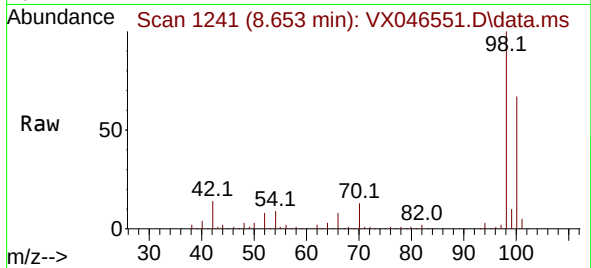




#50
Toluene-d8
Concen: 52.268 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

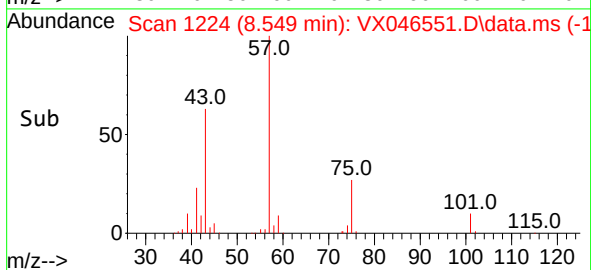
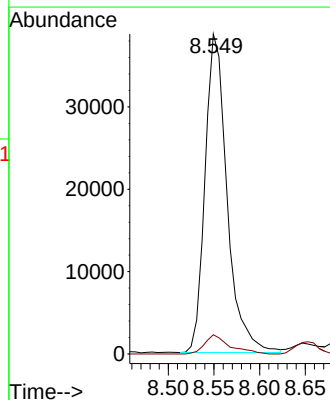
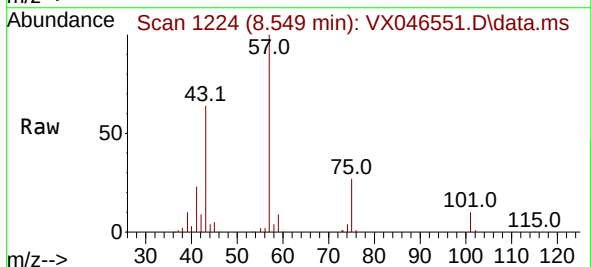
Instrument :
MSVOA_X
ClientSampleId :
PB168272TB

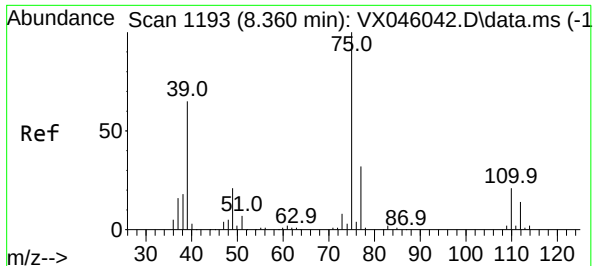
Tgt Ion: 98 Resp: 291261
Ion Ratio Lower Upper
98 100
100 65.9 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 24.824 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

Tgt Ion: 43 Resp: 64802
Ion Ratio Lower Upper
43 100
58 6.8 28.9 43.3#

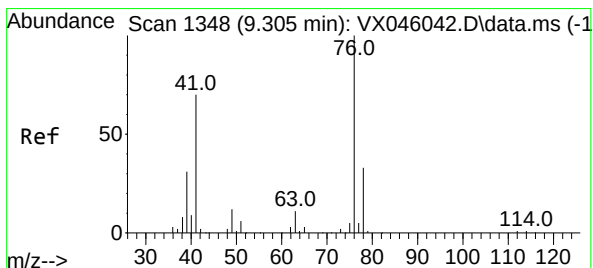
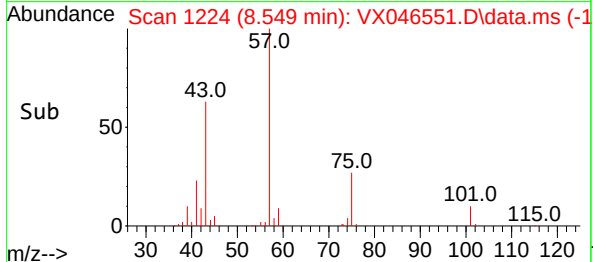
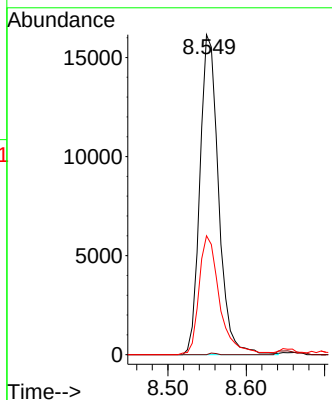
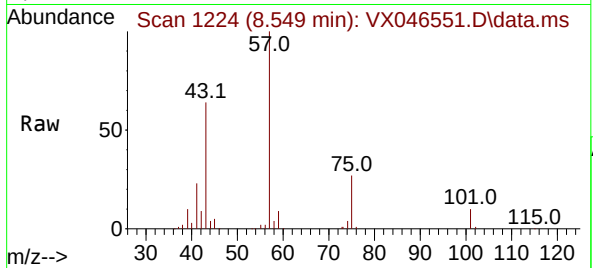




#54
 cis-1,3-Dichloropropene
 Concen: 9.876 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.177 min
 Lab File: VX046551.D
 Acq: 07 Jun 2025 03:05

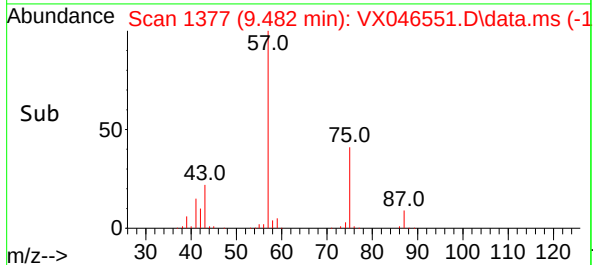
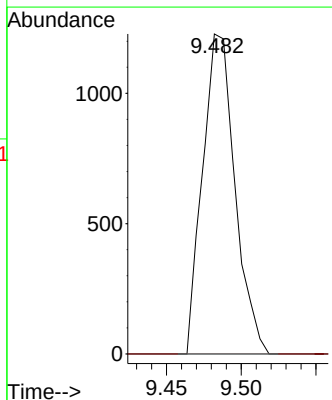
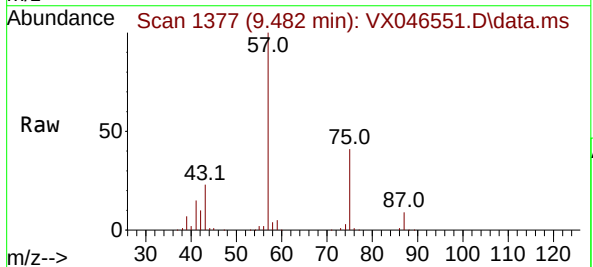
Instrument :
 MSVOA_X
 ClientSampleId :
 PB168272TB

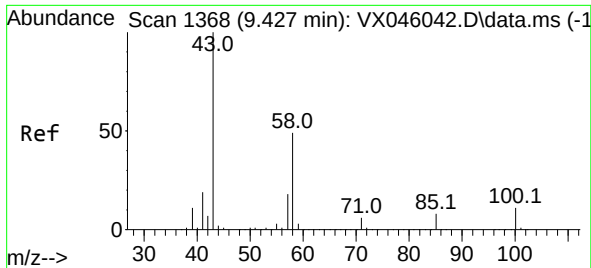
Tgt Ion: 75 Resp: 26718
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 37.2 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.623 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX046551.D
 Acq: 07 Jun 2025 03:05

Tgt Ion: 76 Resp: 1847
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

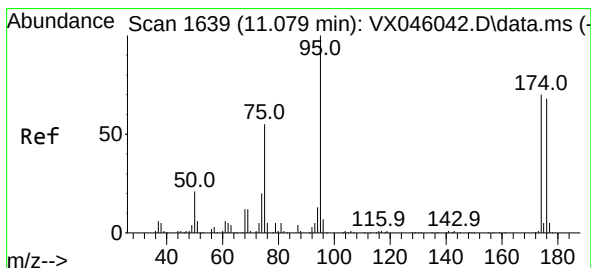
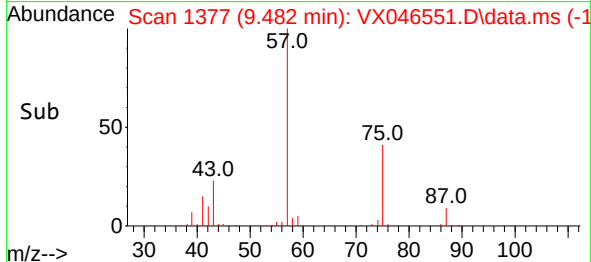
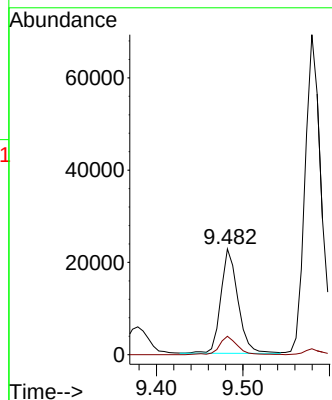
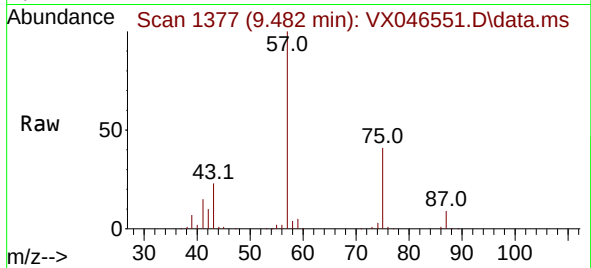




#59
2-Hexanone
Concen: 16.630 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

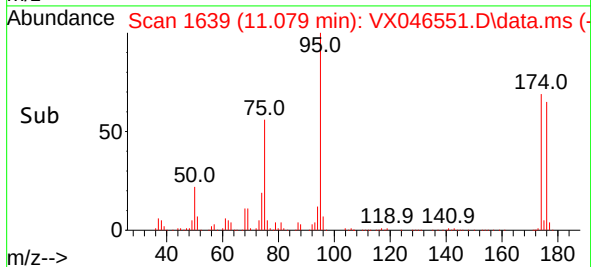
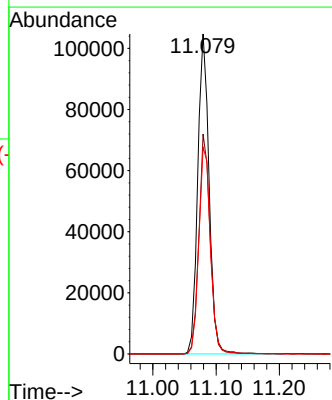
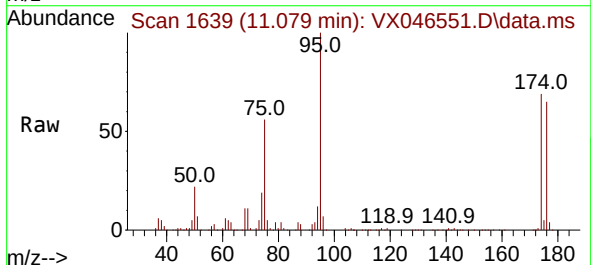
Instrument :
MSVOA_X
ClientSampleId :
PB168272TB

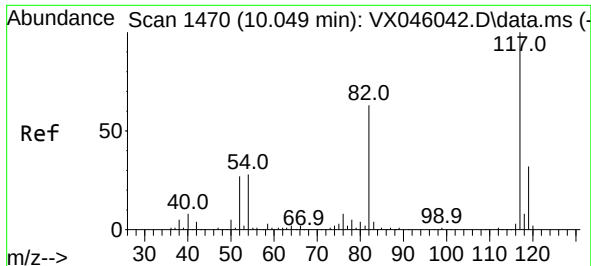
Tgt Ion: 43 Resp: 31135
Ion Ratio Lower Upper
43 100
58 18.5 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 56.838 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

Tgt Ion: 95 Resp: 131043
Ion Ratio Lower Upper
95 100
174 68.4 0.0 135.8
176 66.3 0.0 131.4

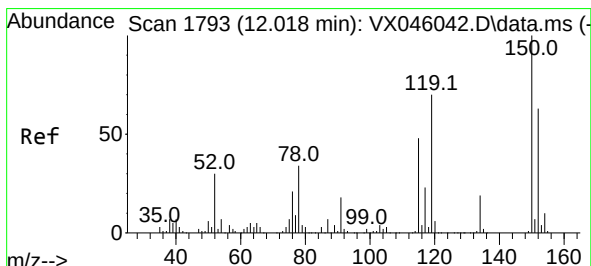
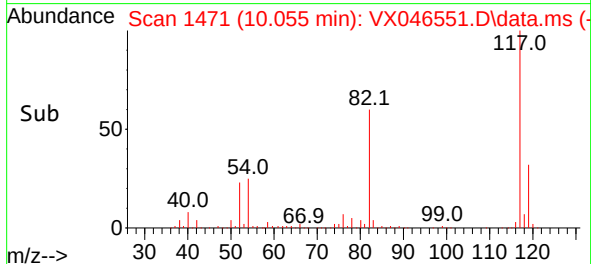
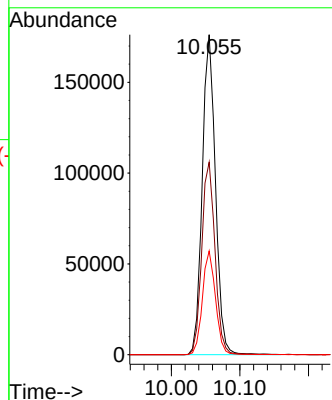
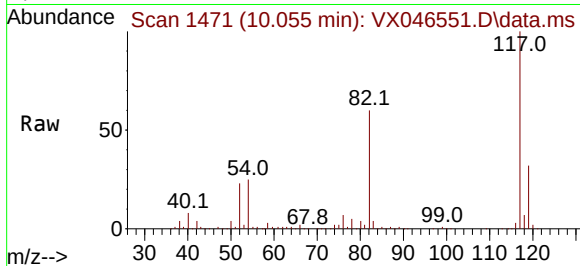




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

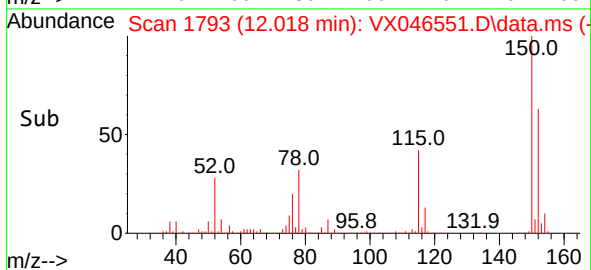
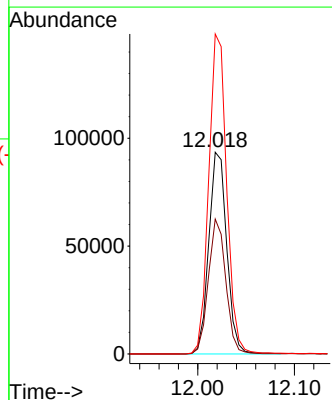
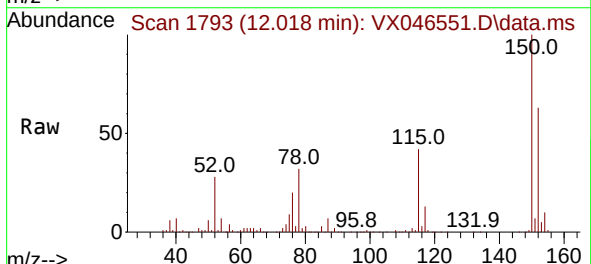
Instrument :
MSVOA_X
ClientSampleId :
PB168272TB

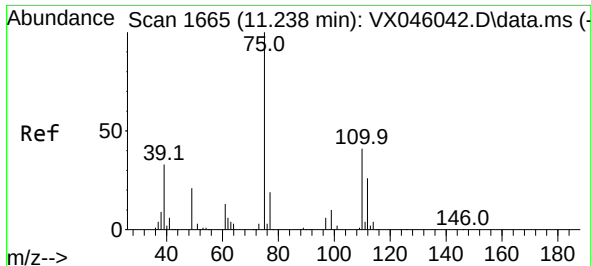
Tgt Ion:117 Resp: 236535
Ion Ratio Lower Upper
117 100
82 60.2 50.6 76.0
119 32.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

Tgt Ion:152 Resp: 120663
Ion Ratio Lower Upper
152 100
115 65.2 46.9 140.7
150 158.1 0.0 351.0

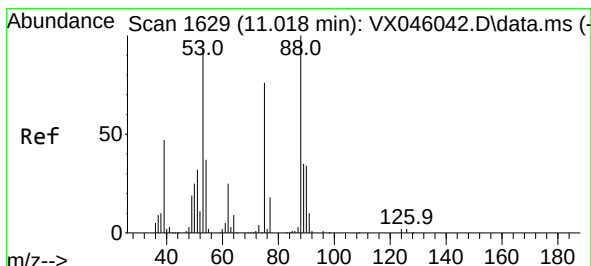
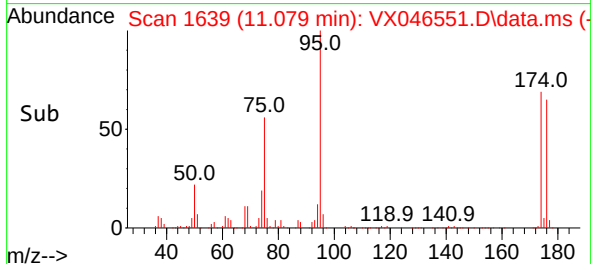
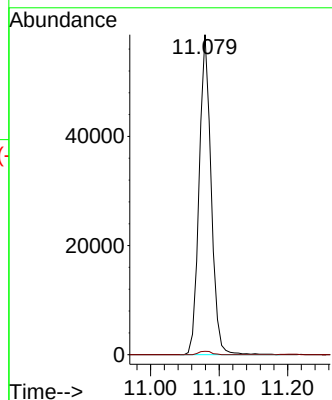
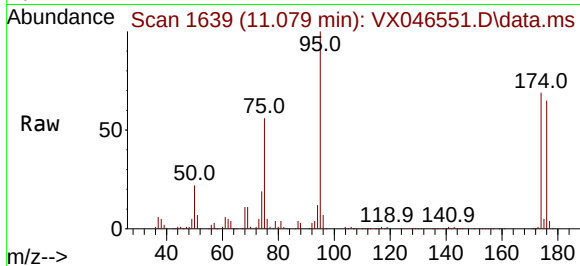




#76
1,2,3-Trichloropropane
Concen: 27.953 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

Instrument :
MSVOA_X
ClientSampleId :
PB168272TB

Tgt Ion: 75 Resp: 71441
Ion Ratio Lower Upper
75 100
77 1.2 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.632 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046551.D
Acq: 07 Jun 2025 03:05

Tgt Ion: 75 Resp: 71441
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

