

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050625\
 Data File : VX046062.D
 Acq On : 06 May 2025 14:35
 Operator : JC/MD
 Sample : PB167852ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167852ZHE#03

Quant Time: May 07 01:46:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

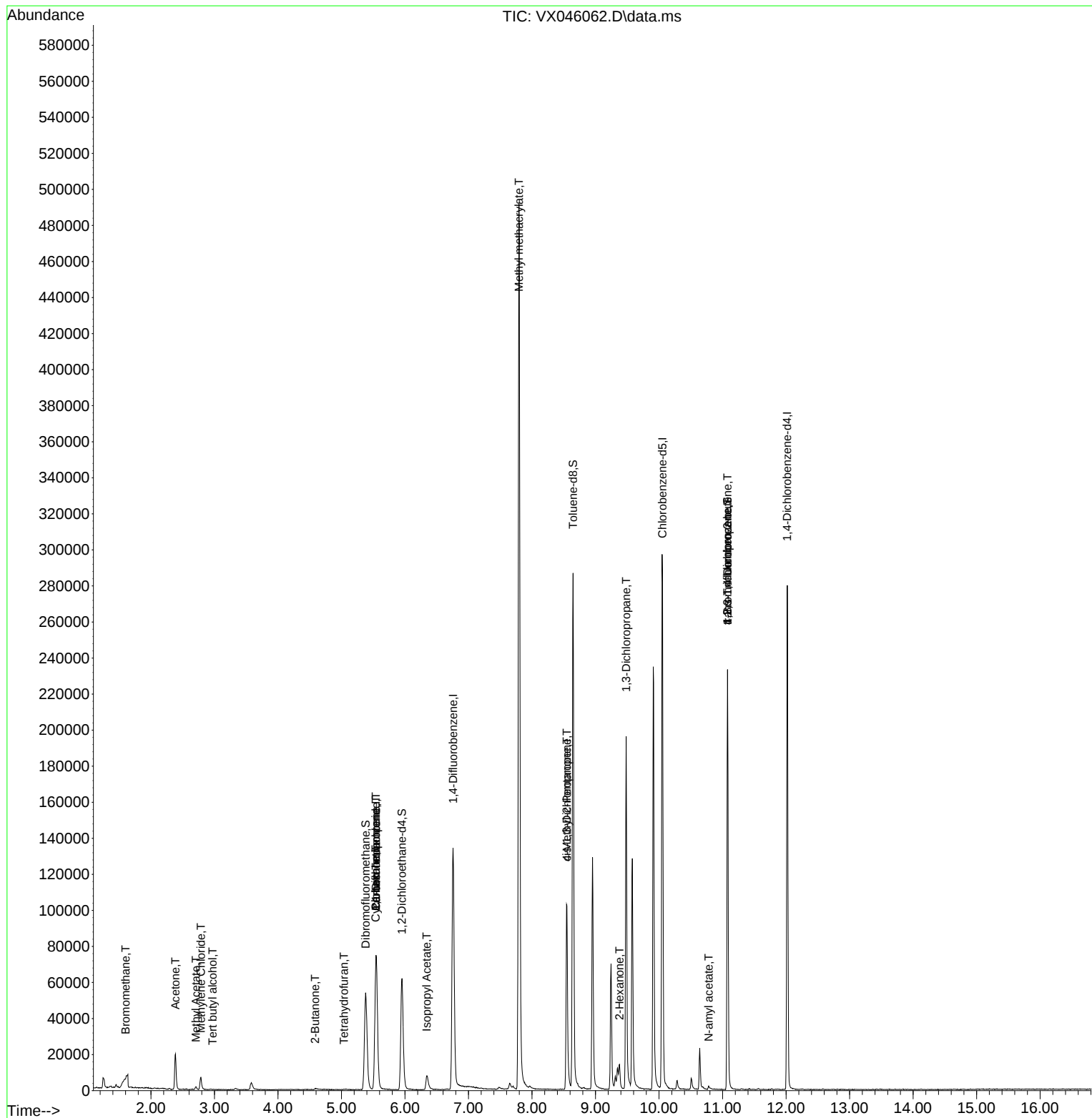
Internal Standards						
1) Pentafluorobenzene	5.544	168	63845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129783	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64856	54.488	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.980%	
35) Dibromofluoromethane	5.379	113	46889	50.171	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.340%	
50) Toluene-d8	8.647	98	161971	50.073	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.140%	
62) 4-Bromofluorobenzene	11.079	95	63000	50.775	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.540%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	115	0.281	ug/l #	4
11) Tert butyl alcohol	2.971	59	85	0.509	ug/l #	72
16) Acetone	2.386	43	21534	45.121	ug/l	100
18) Methyl Acetate	2.709	43	2115	1.910	ug/l #	88
20) Methylene Chloride	2.788	84	3188	3.486	ug/l	95
25) 2-Butanone	4.587	43	1607	2.319	ug/l	92
29) Tetrahydrofuran	5.038	42	175	0.403	ug/l #	35
31) Cyclohexane	5.538	56	1752	1.235	ug/l #	15
36) 1,1-Dichloropropene	5.544	75	6503	5.179	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7695	5.454	ug/l #	17
43) Isopropyl Acetate	6.342	43	12049	5.091	ug/l	99
48) Methyl methacrylate	7.793	41	48962	40.507	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	41339	26.313	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	16023	11.480	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	1635	1.024	ug/l #	42
59) 2-Hexanone	9.378	43	13611	11.710	ug/l #	28
74) N-amyl acetate	10.781	43	1302	0.662	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	35426	28.804	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35426	93.776	ug/l #	1

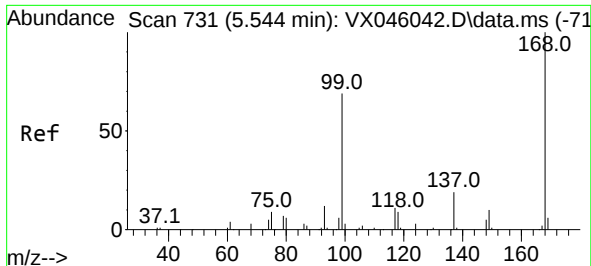
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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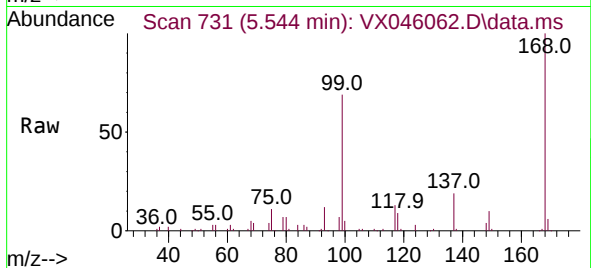
Quant Time: May 07 01:46:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



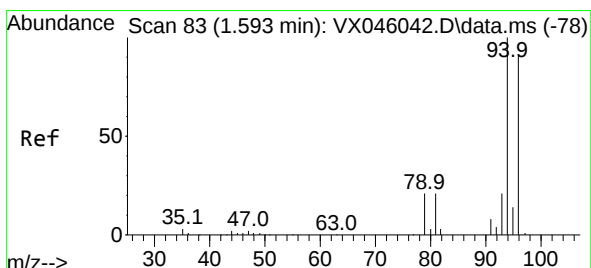
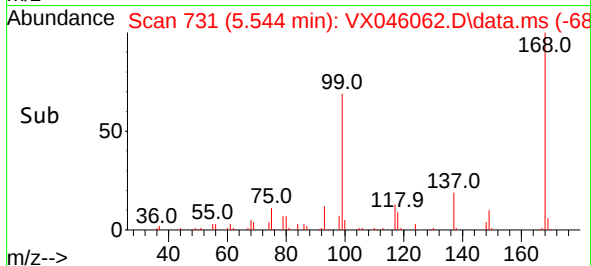
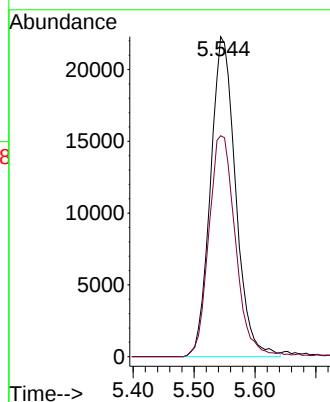


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046062.D
Acq: 06 May 2025 14:35

Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#03

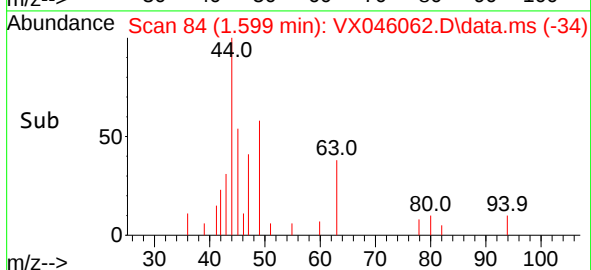
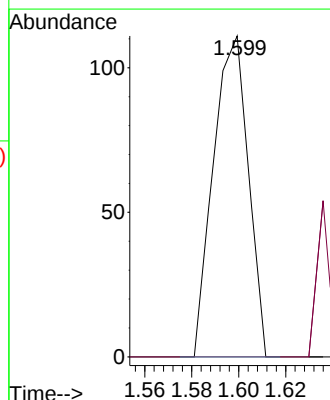
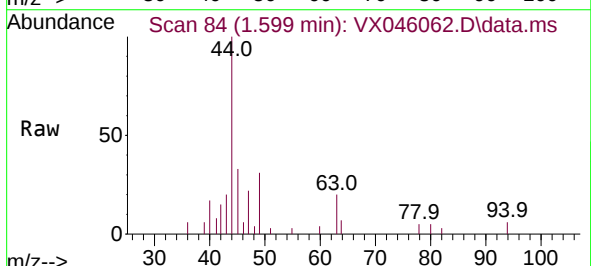


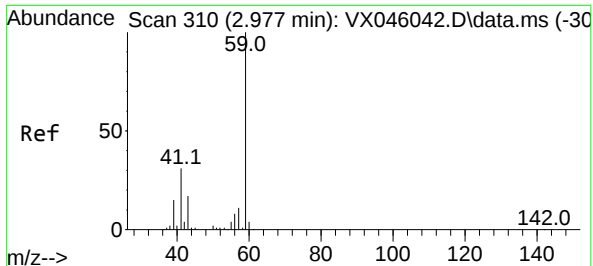
Tgt Ion:168 Resp: 63845
Ion Ratio Lower Upper
168 100
99 69.1 54.9 82.3



#5
Bromomethane
Concen: 0.281 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046062.D
Acq: 06 May 2025 14:35

Tgt Ion: 94 Resp: 115
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#





#11

Tert butyl alcohol

Concen: 0.509 ug/l

RT: 2.971 min Scan# 30

Delta R.T. -0.006 min

Lab File: VX046062.D

Acq: 06 May 2025 14:35

Instrument :

MSVOA_X

ClientSampleId :

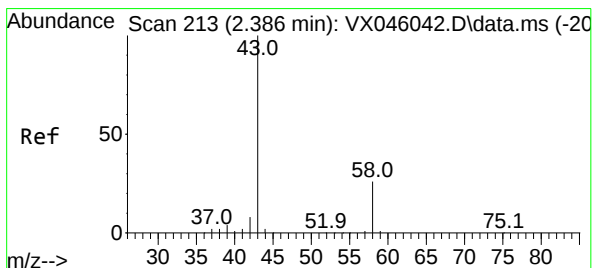
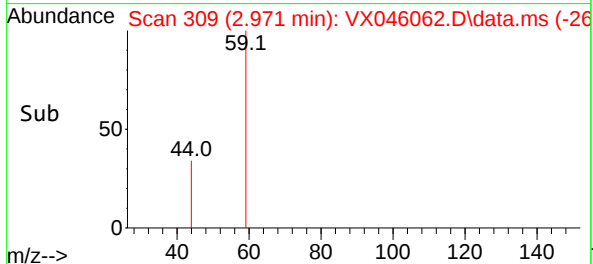
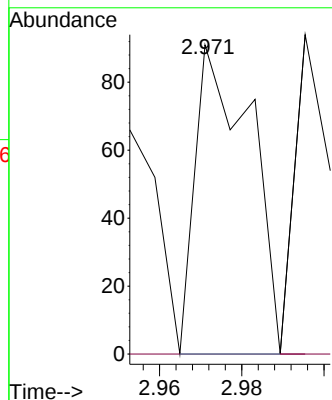
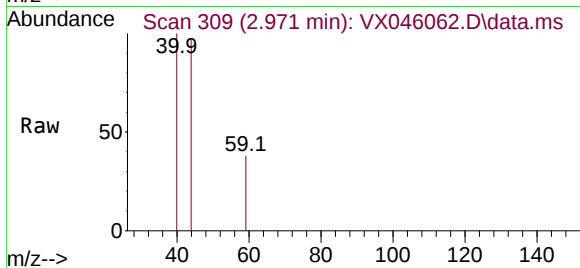
PB167852ZHE#03

Tgt Ion: 59 Resp: 85

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#16

Acetone

Concen: 45.121 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX046062.D

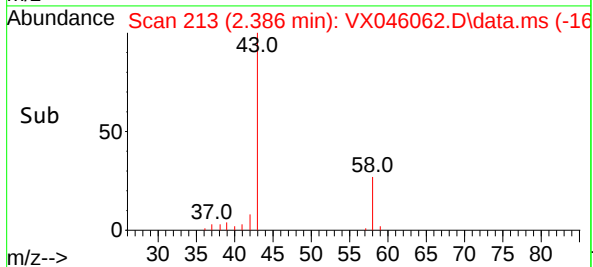
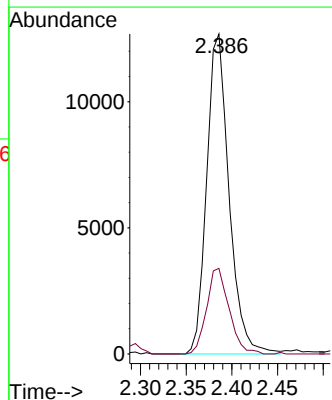
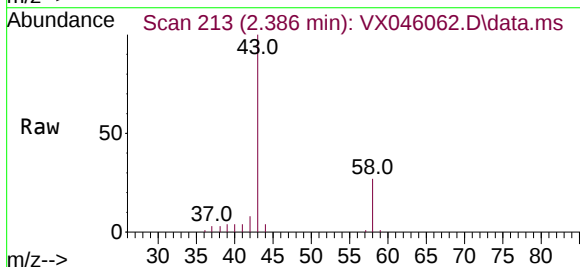
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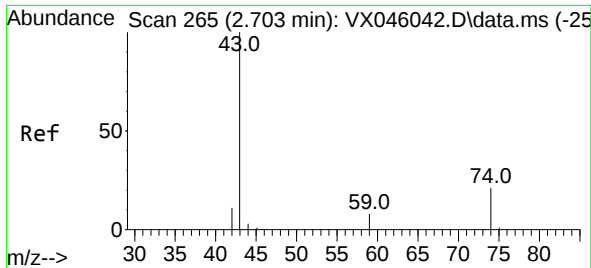
Tgt Ion: 43 Resp: 21534

Ion Ratio Lower Upper

43 100

58 26.7 21.2 31.8

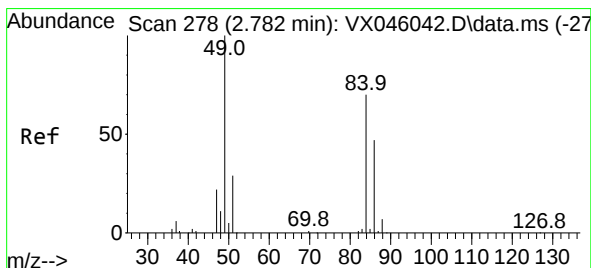
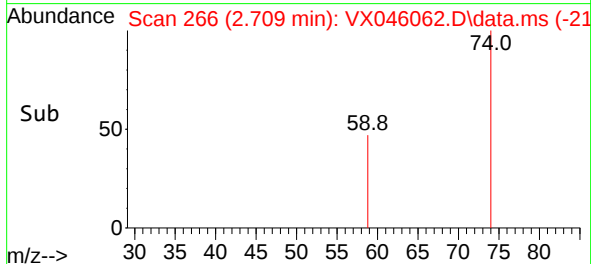
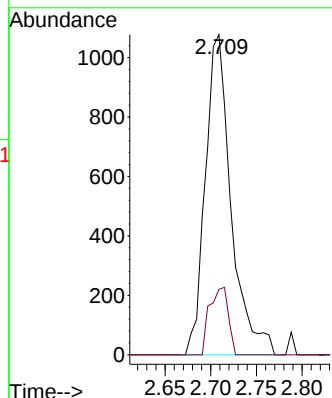
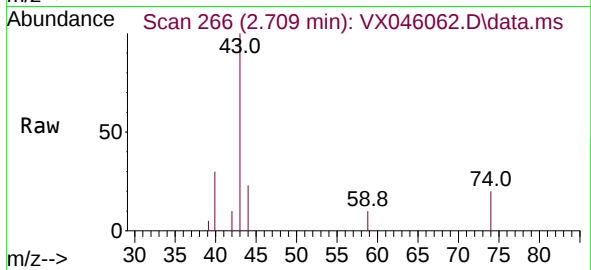




#18
Methyl Acetate
Concen: 1.910 ug/l
RT: 2.709 min Scan# 2115
Delta R.T. 0.006 min
Lab File: VX046062.D
Acq: 06 May 2025 14:35

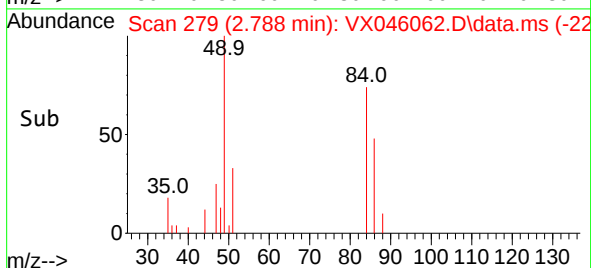
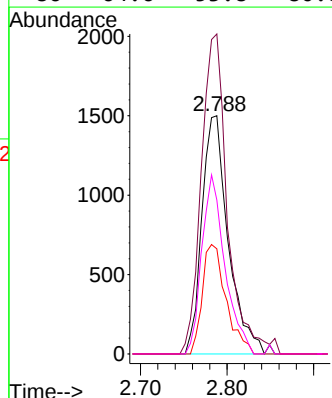
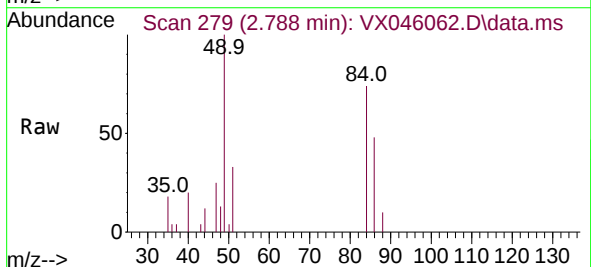
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#03

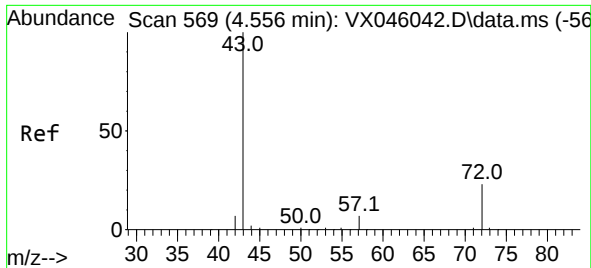
Tgt Ion: 43 Resp: 2115
Ion Ratio Lower Upper
43 100
74 15.3 16.7 25.1#



#20
Methylene Chloride
Concen: 3.486 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046062.D
Acq: 06 May 2025 14:35

Tgt Ion: 84 Resp: 3188
Ion Ratio Lower Upper
84 100
49 134.3 113.9 170.9
51 44.1 33.5 50.3
86 64.6 53.8 80.8

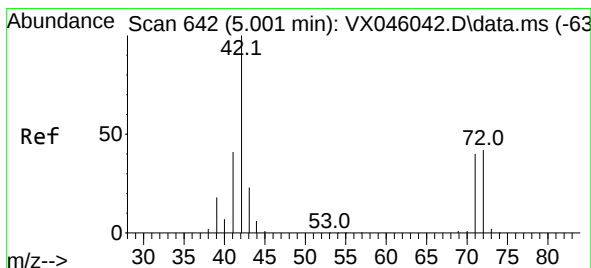
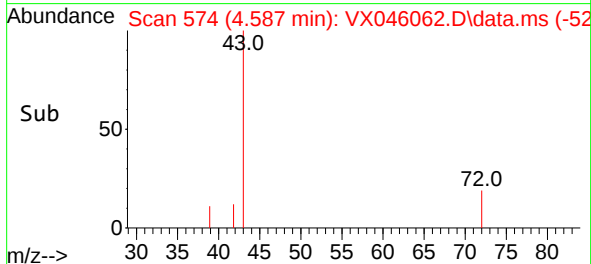
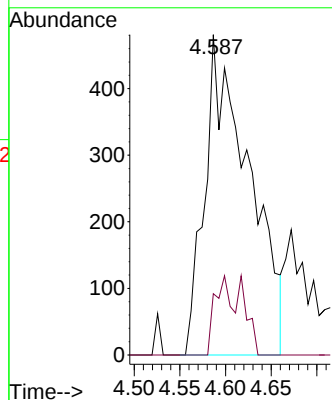
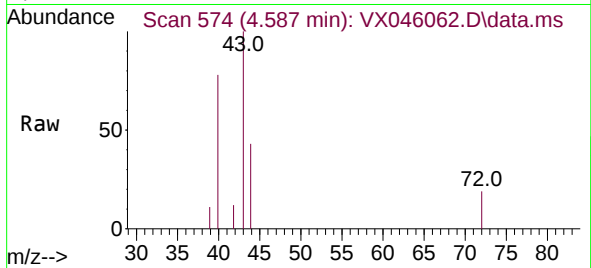




#25
2-Butanone
Concen: 2.319 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX046062.D
Acq: 06 May 2025 14:35

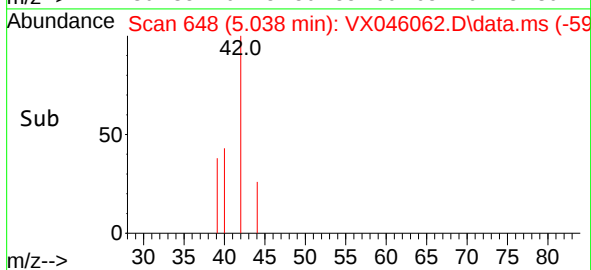
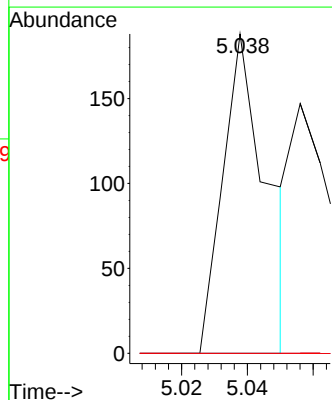
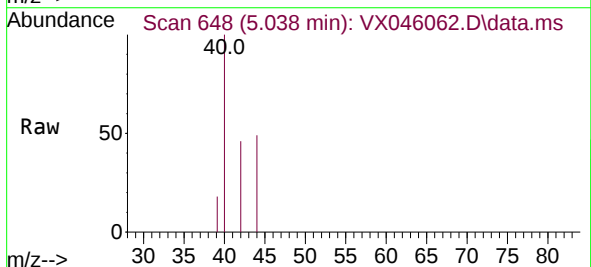
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#03

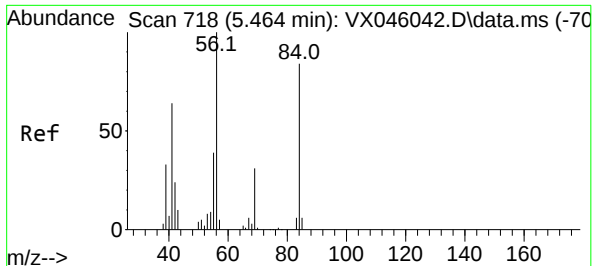
Tgt Ion: 43 Resp: 1607
Ion Ratio Lower Upper
43 100
72 19.1 18.4 27.6



#29
Tetrahydrofuran
Concen: 0.403 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.037 min
Lab File: VX046062.D
Acq: 06 May 2025 14:35

Tgt Ion: 42 Resp: 175
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 31.4 47.2#

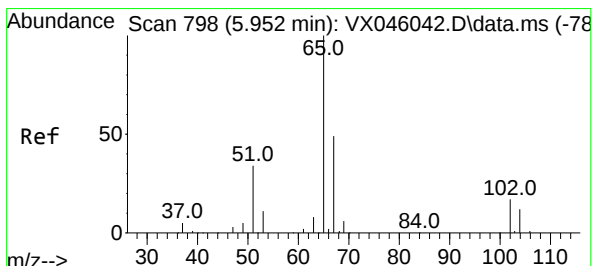
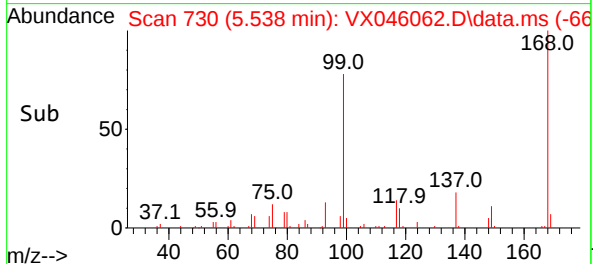
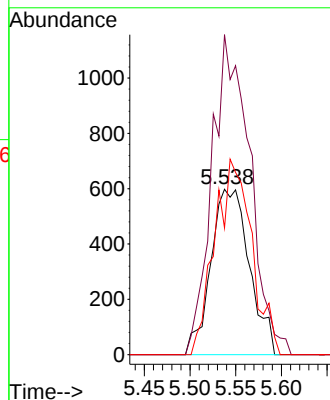
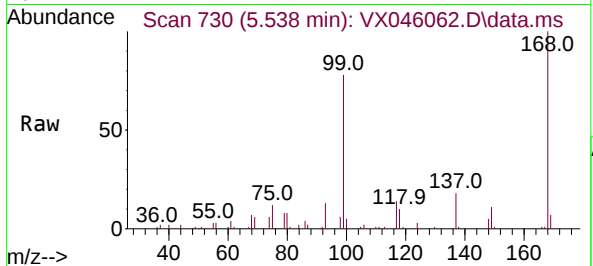




#31
Cyclohexane
Concen: 1.235 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX046062.D
Acq: 06 May 2025 14:35

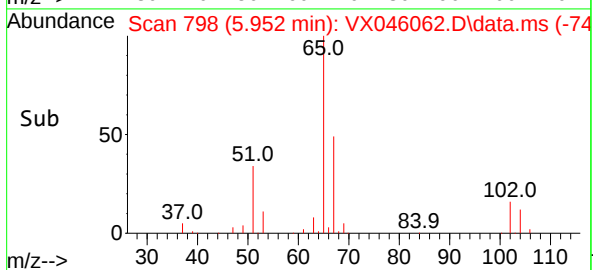
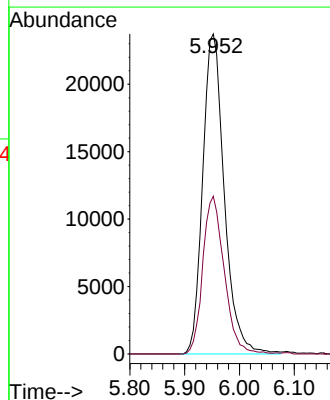
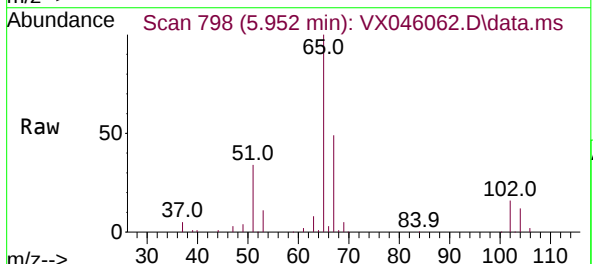
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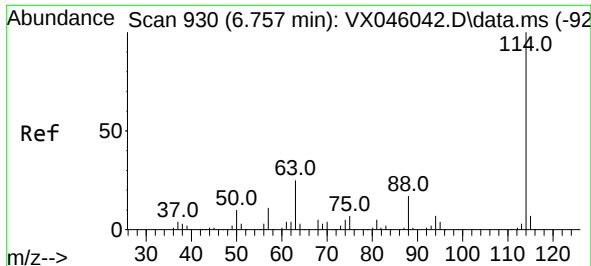
Tgt Ion: 56 Resp: 1752
Ion Ratio Lower Upper
56 100
69 193.5 24.4 36.6#
84 76.6 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 54.488 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046062.D
Acq: 06 May 2025 14:35

Tgt Ion: 65 Resp: 64856
Ion Ratio Lower Upper
65 100
67 49.0 0.0 99.0

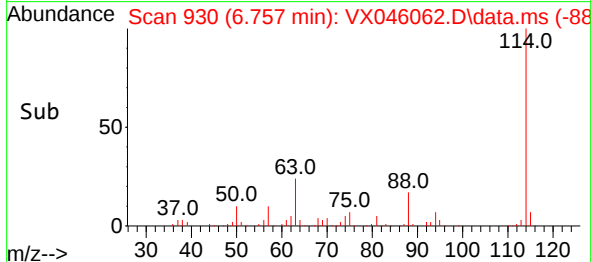
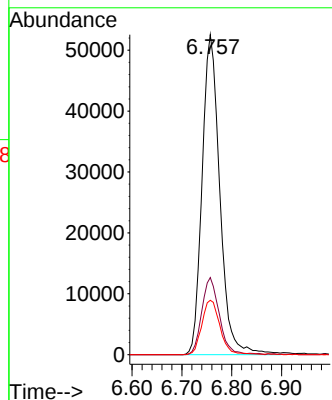
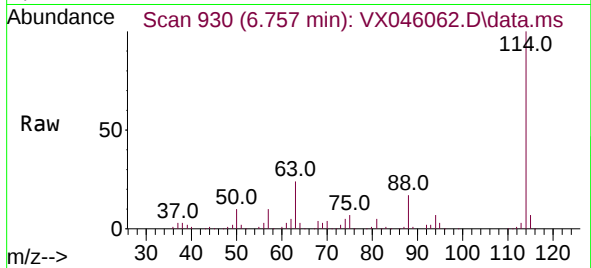




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046062.D
Acq: 06 May 2025 14:35

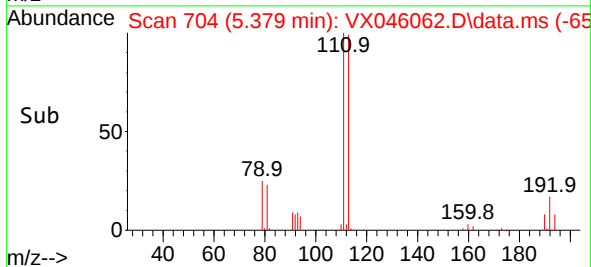
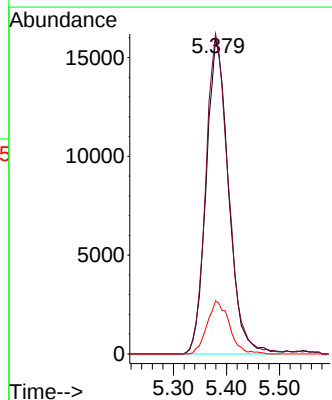
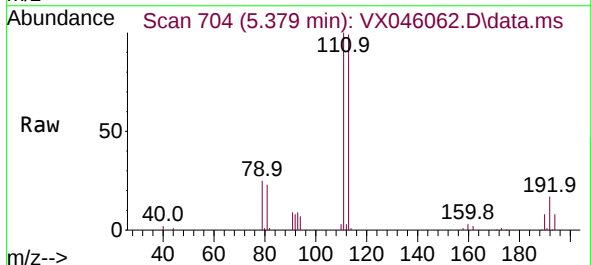
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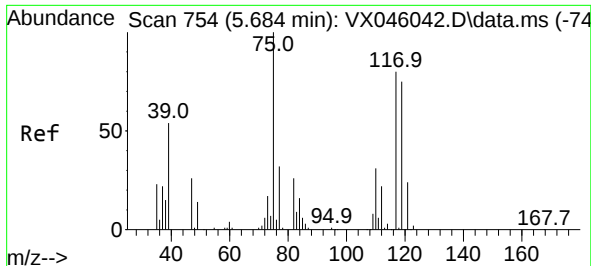
Tgt Ion:114 Resp: 129783
Ion Ratio Lower Upper
114 100
63 24.1 0.0 49.2
88 17.0 0.0 33.6



#35
Dibromofluoromethane
Concen: 50.171 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046062.D
Acq: 06 May 2025 14:35

Tgt Ion:113 Resp: 46889
Ion Ratio Lower Upper
113 100
111 102.3 83.1 124.7
192 16.7 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.179 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX046062.D

Acq: 06 May 2025 14:35

Instrument :

MSVOA_X

ClientSampleId :

PB167852ZHE#03

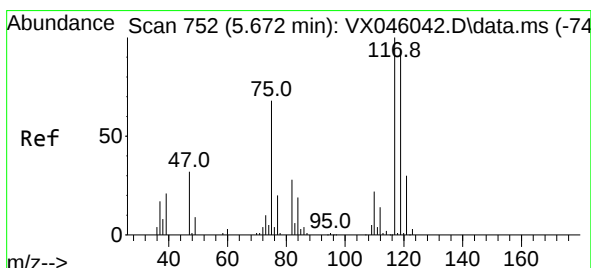
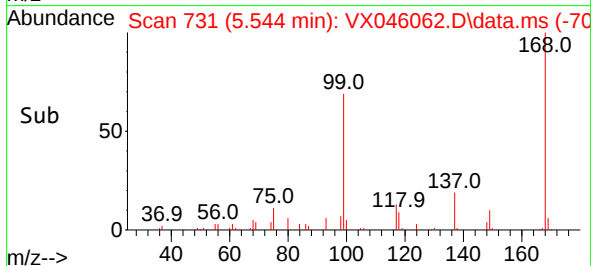
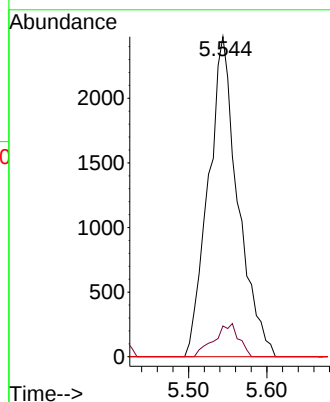
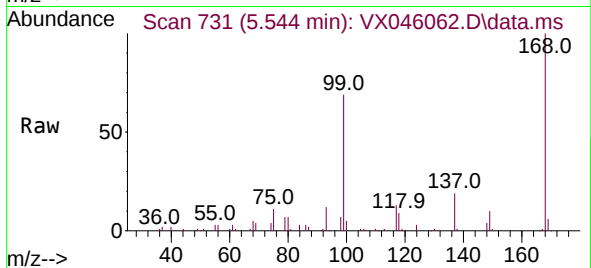
Tgt Ion: 75 Resp: 6503

Ion Ratio Lower Upper

75 100

110 8.6 16.3 48.9#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.454 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX046062.D

Acq: 06 May 2025 14:35

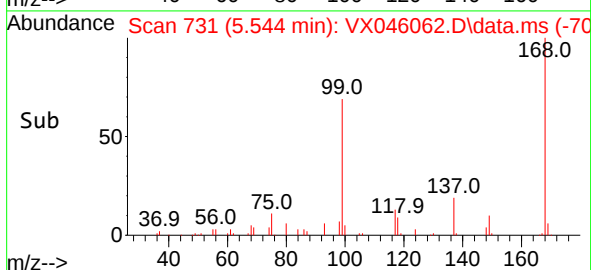
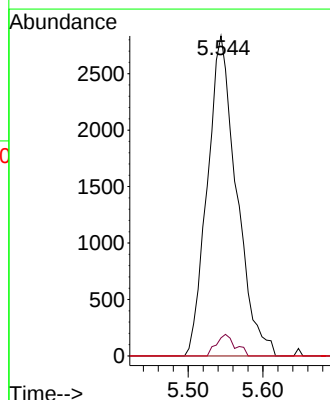
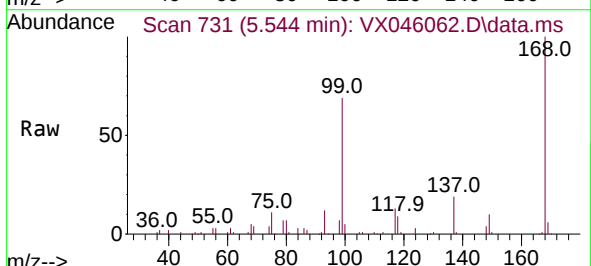
Tgt Ion: 117 Resp: 7695

Ion Ratio Lower Upper

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119 5.6 75.2 112.8#

121 0.0 24.2 36.4#

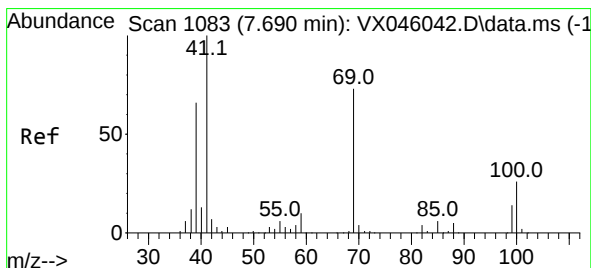
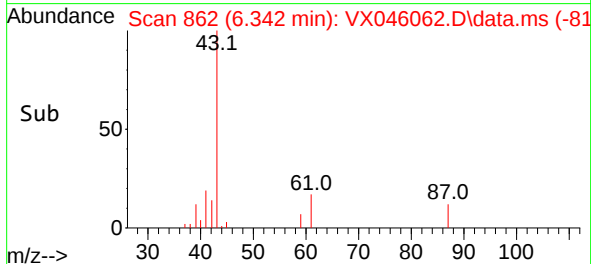
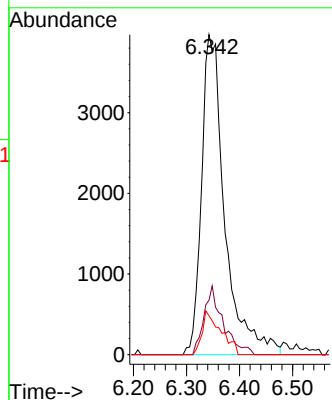
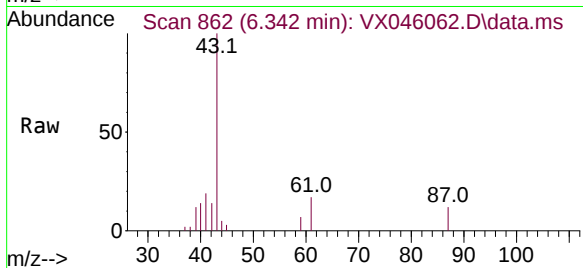




#43
Isopropyl Acetate
Concen: 5.091 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX046062.D
Acq: 06 May 2025 14:35

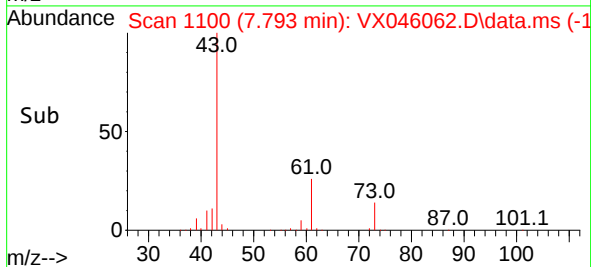
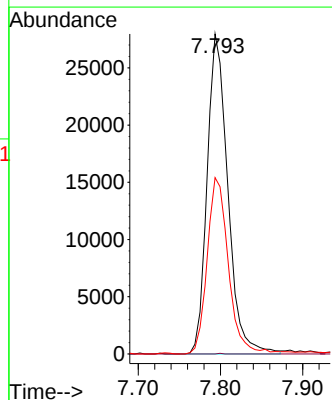
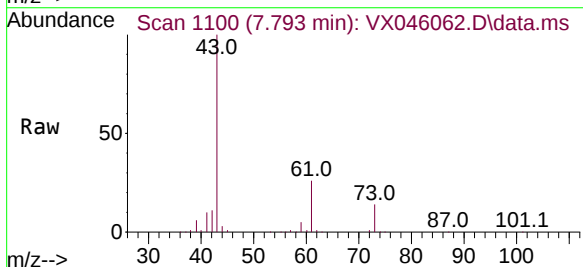
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#03

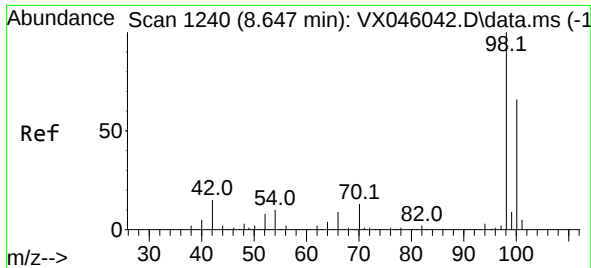
Tgt Ion: 43 Resp: 12049
Ion Ratio Lower Upper
43 100
61 17.8 14.3 21.5
87 11.0 9.5 14.3



#48
Methyl methacrylate
Concen: 40.507 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046062.D
Acq: 06 May 2025 14:35

Tgt Ion: 41 Resp: 48962
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 56.9 51.7 77.5

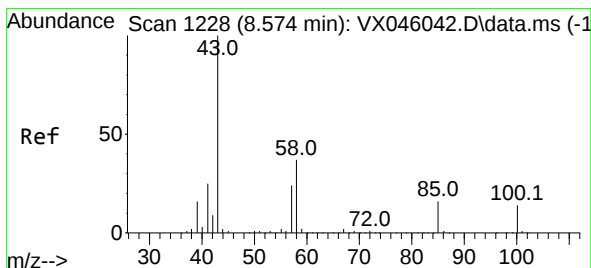
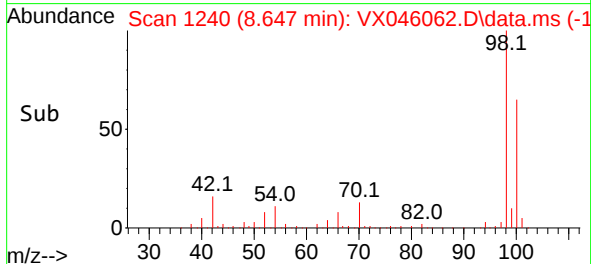
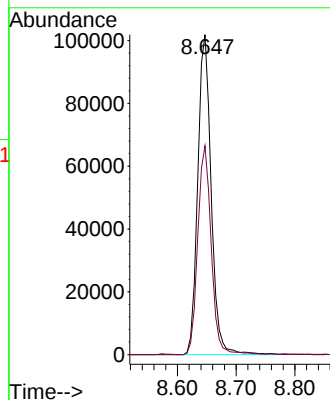
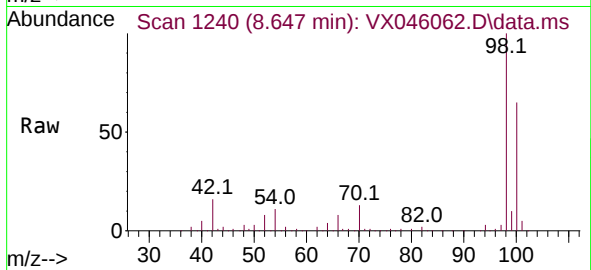




#50
Toluene-d8
Concen: 50.073 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046062.D
Acq: 06 May 2025 14:35

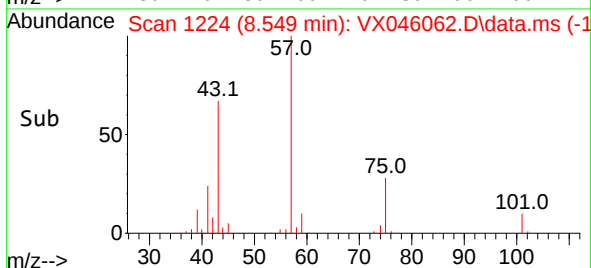
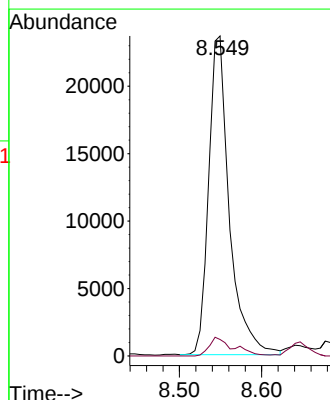
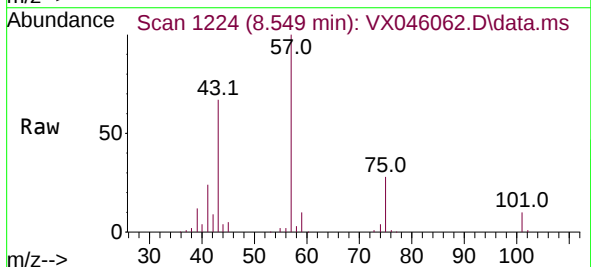
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#03

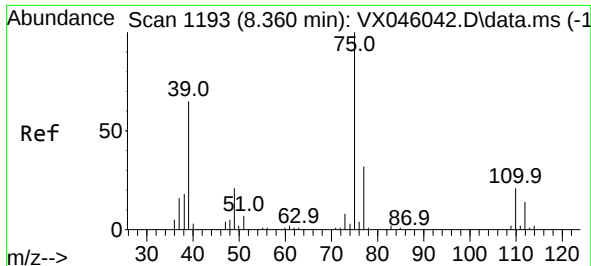
Tgt Ion: 98 Resp: 161971
Ion Ratio Lower Upper
98 100
100 65.6 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 26.313 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046062.D
Acq: 06 May 2025 14:35

Tgt Ion: 43 Resp: 41339
Ion Ratio Lower Upper
43 100
58 6.9 28.9 43.3#

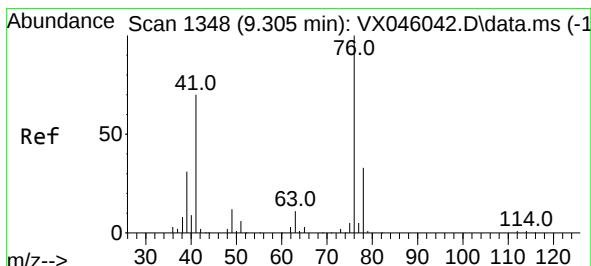
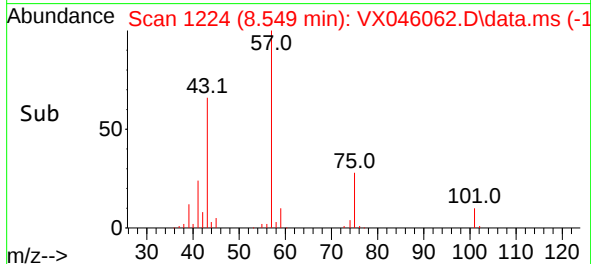
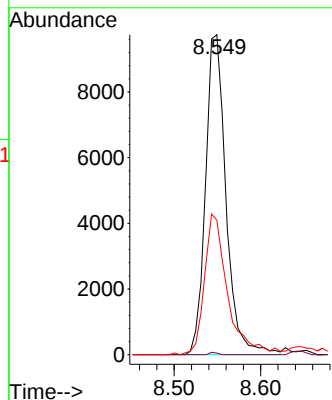
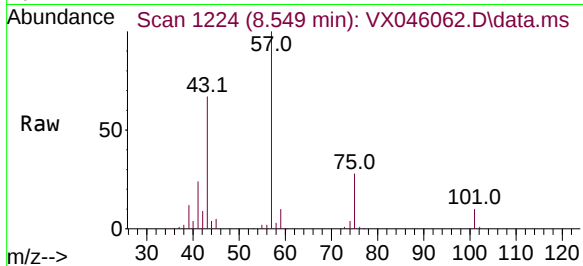




#54
 cis-1,3-Dichloropropene
 Concen: 11.480 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX046062.D
 Acq: 06 May 2025 14:35

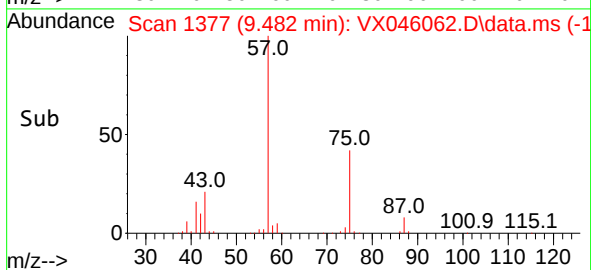
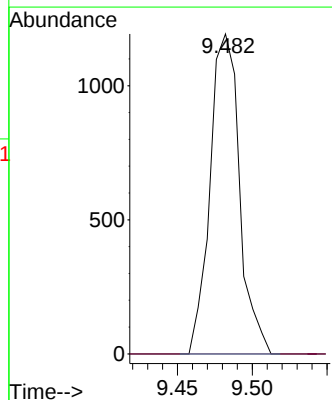
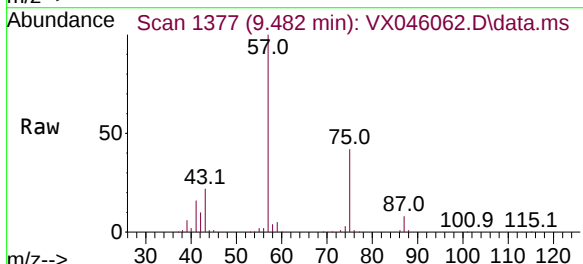
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167852ZHE#03

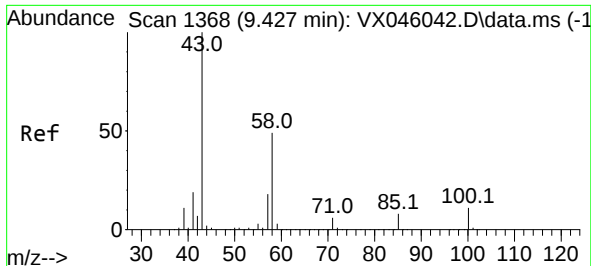
Tgt Ion: 75 Resp: 16023
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.4 38.0#
 39 42.1 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 1.024 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046062.D
 Acq: 06 May 2025 14:35

Tgt Ion: 76 Resp: 1635
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

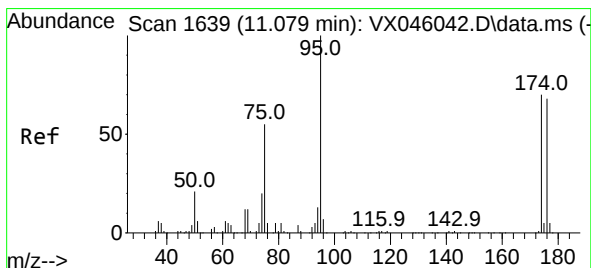
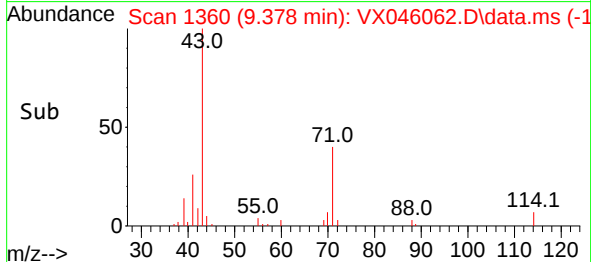
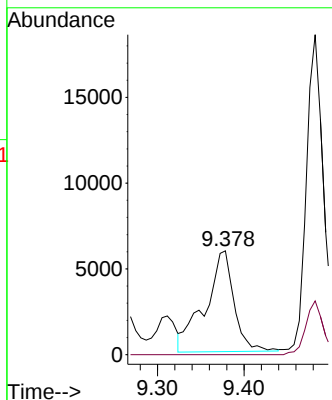
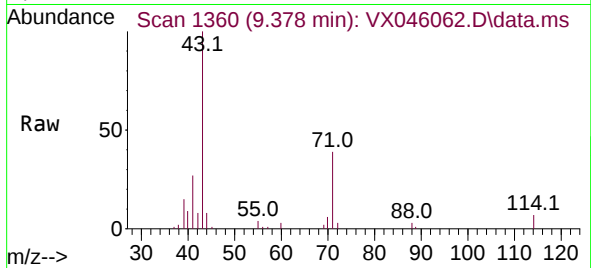




#59
2-Hexanone
Concen: 11.710 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046062.D
Acq: 06 May 2025 14:35

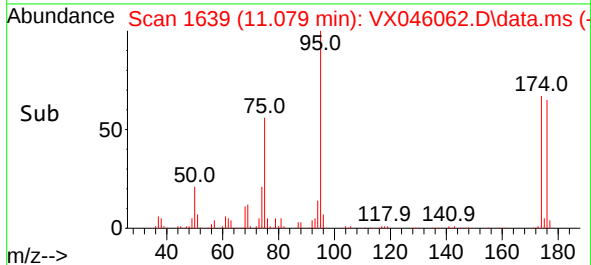
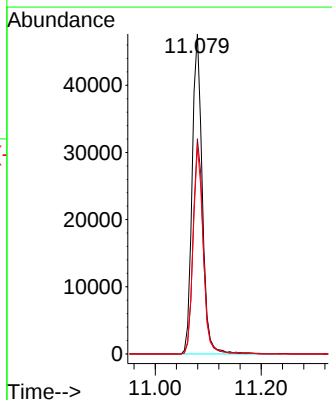
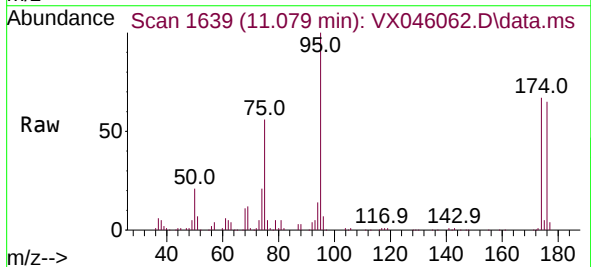
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#03

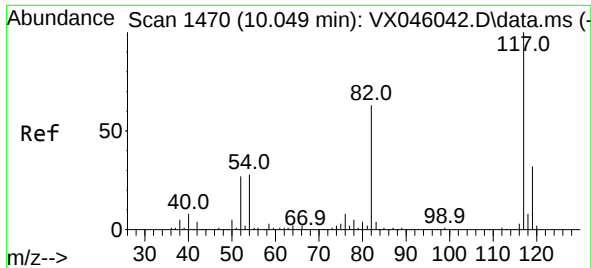
Tgt Ion: 43 Resp: 13611
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 50.775 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046062.D
Acq: 06 May 2025 14:35

Tgt Ion: 95 Resp: 63000
Ion Ratio Lower Upper
95 100
174 67.0 0.0 135.8
176 64.2 0.0 131.4

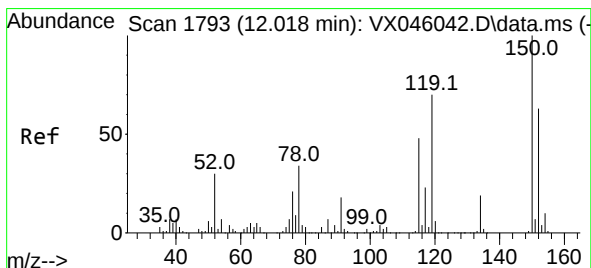
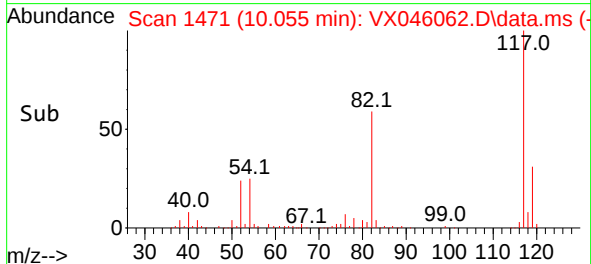
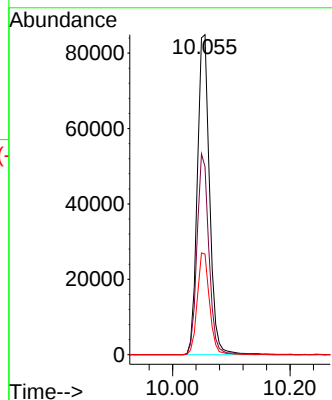
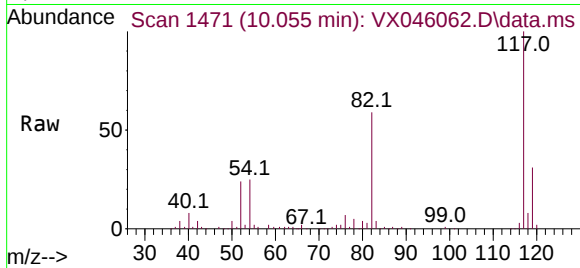




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046062.D
Acq: 06 May 2025 14:35

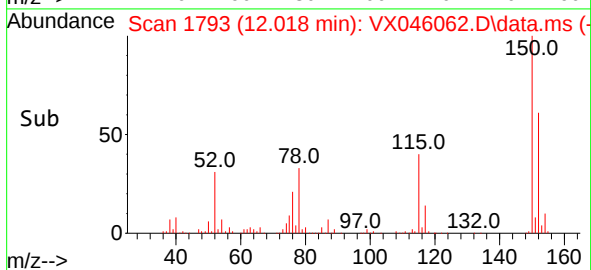
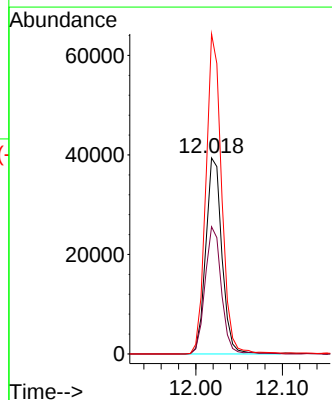
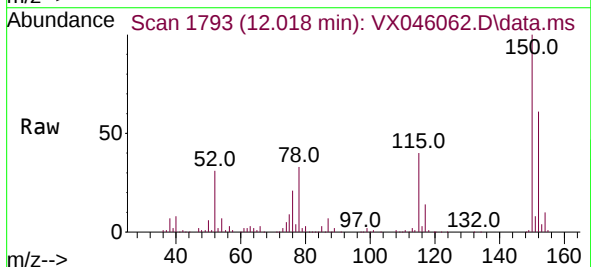
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#03

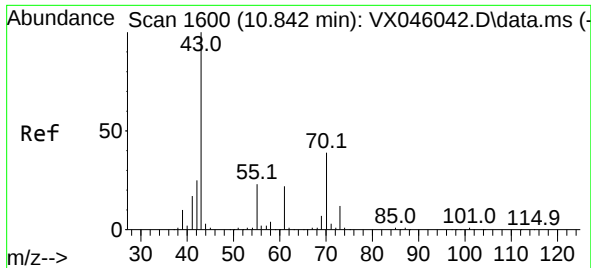
Tgt Ion:117 Resp: 122777
Ion Ratio Lower Upper
117 100
82 58.8 50.6 76.0
119 31.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046062.D
Acq: 06 May 2025 14:35

Tgt Ion:152 Resp: 51096
Ion Ratio Lower Upper
152 100
115 65.4 46.9 140.7
150 158.6 0.0 351.0

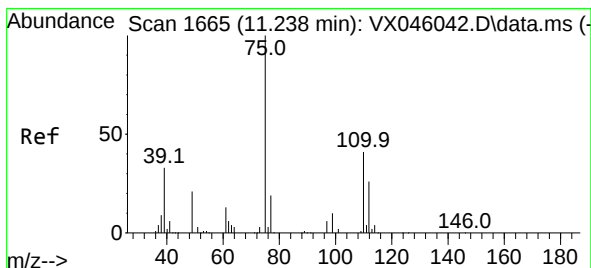
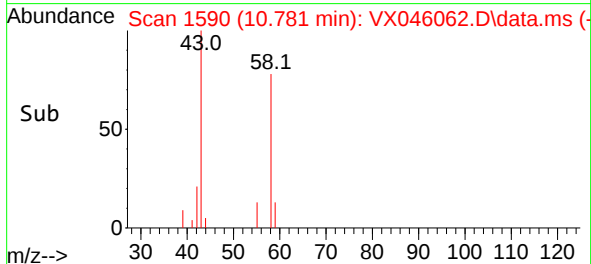
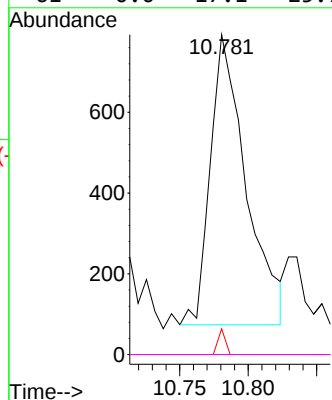
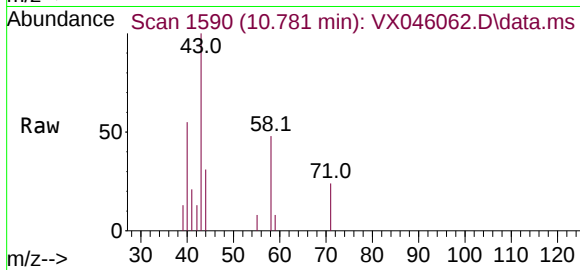




#74
N-amy1 acetate
Concen: 0.662 ug/l
RT: 10.781 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX046062.D
Acq: 06 May 2025 14:35

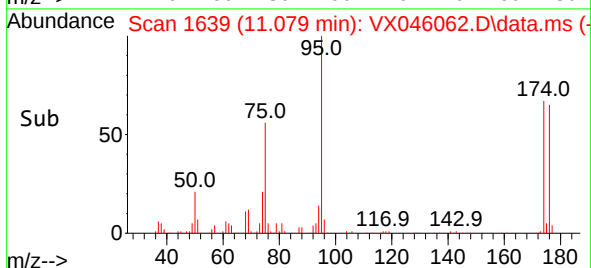
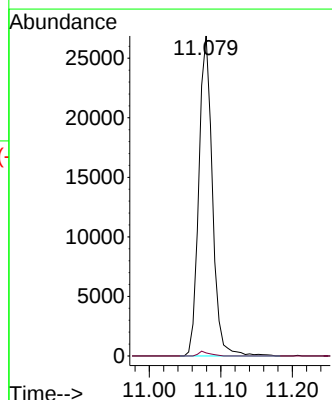
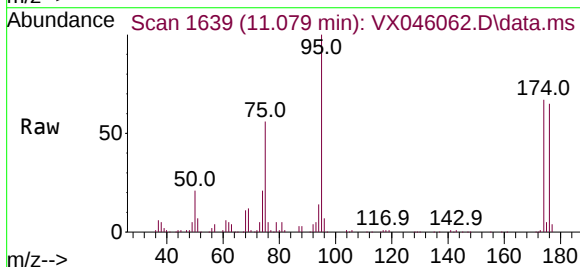
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#03

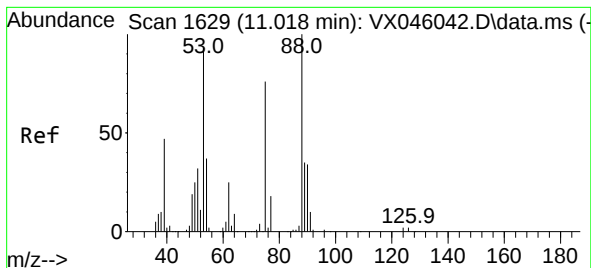
Tgt Ion: 43 Resp: 1302
Ion Ratio Lower Upper
43 100
70 0.0 30.9 46.3#
55 1.8 18.7 28.1#
61 0.0 17.1 25.7#



#76
1,2,3-Trichloropropane
Concen: 28.804 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX046062.D
Acq: 06 May 2025 14:35

Tgt Ion: 75 Resp: 35426
Ion Ratio Lower Upper
75 100
77 1.2 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.776 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046062.D
 Acq: 06 May 2025 14:35

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167852ZHE#03

Tgt Ion: 75 Resp: 35426
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

