

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050625\
 Data File : VX046064.D
 Acq On : 06 May 2025 15:22
 Operator : JC/MD
 Sample : PB167852ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167852ZHE#05

Quant Time: May 07 01:47:17 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)

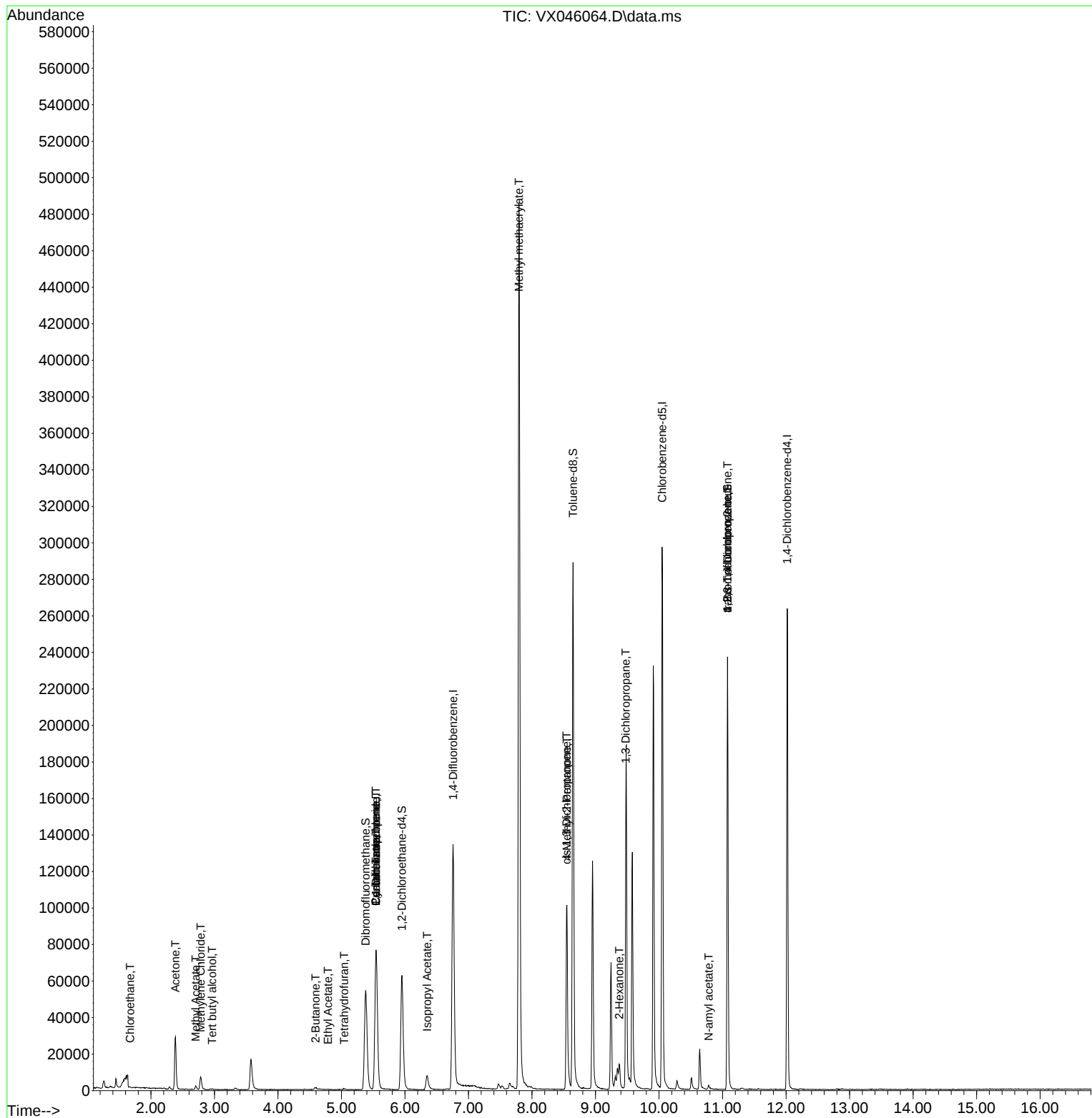
Internal Standards						
1) Pentafluorobenzene	5.544	168	65474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130242	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64984	53.237	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.480%			
35) Dibromofluoromethane	5.379	113	48078	51.262	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.520%			
50) Toluene-d8	8.647	98	165908	51.109	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.220%			
62) 4-Bromofluorobenzene	11.079	95	60486	48.577	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.160%			
Target Compounds					Qvalue	
6) Chloroethane	1.672	64	233	0.483	ug/l #	44
11) Tert butyl alcohol	2.965	59	393	2.294	ug/l #	72
16) Acetone	2.386	43	32304	66.004	ug/l	99
18) Methyl Acetate	2.703	43	2377	2.093	ug/l #	90
20) Methylene Chloride	2.782	84	3479	3.709	ug/l	97
25) 2-Butanone	4.593	43	2988	4.205	ug/l	95
29) Tetrahydrofuran	5.044	42	397	0.892	ug/l #	53
31) Cyclohexane	5.544	56	2001	1.376	ug/l #	55
36) 1,1-Dichloropropene	5.544	75	6399	5.078	ug/l #	52
37) Ethyl Acetate	4.788	43	380	0.244	ug/l #	70
38) Carbon Tetrachloride	5.544	117	7951	5.616	ug/l #	15
43) Isopropyl Acetate	6.348	43	11595	4.882	ug/l	98
48) Methyl methacrylate	7.793	41	48073	39.631	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	40976	25.990	ug/l #	49
54) cis-1,3-Dichloropropene	8.543	75	15910	11.359	ug/l #	62
57) 1,3-Dichloropropane	9.476	76	1606	1.002	ug/l #	42
59) 2-Hexanone	9.372	43	13551	11.618	ug/l #	28
74) N-amyl acetate	10.780	43	1714	0.903	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	35218	29.659	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35218	96.559	ug/l #	1

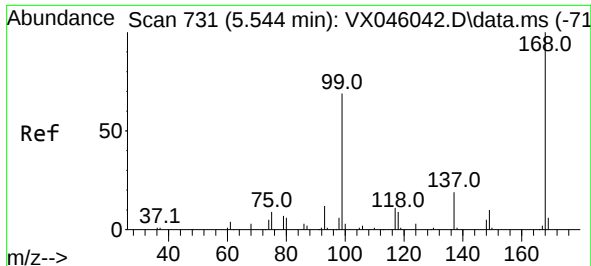
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

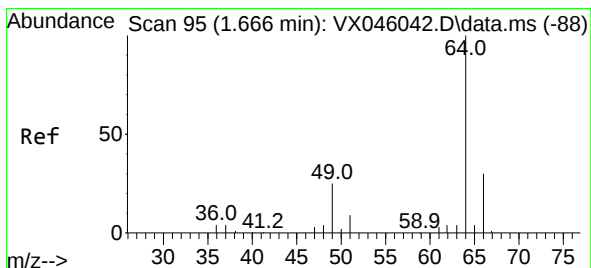
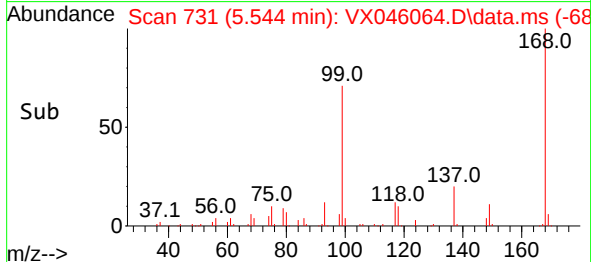
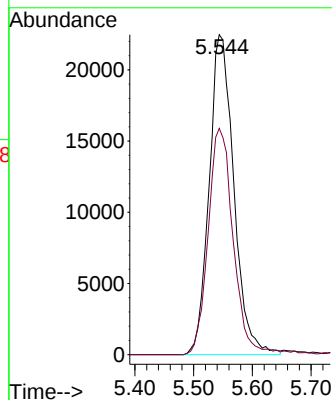
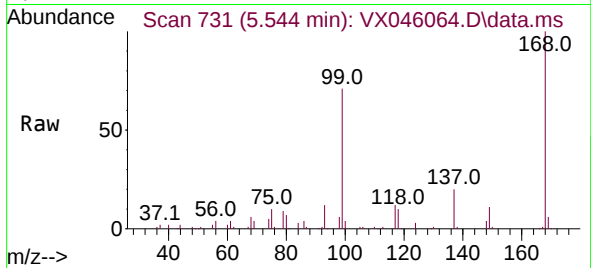




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

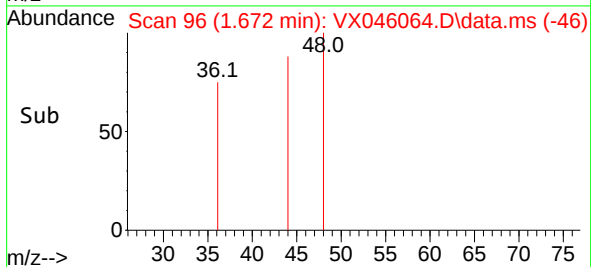
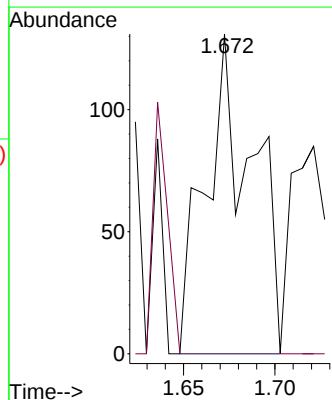
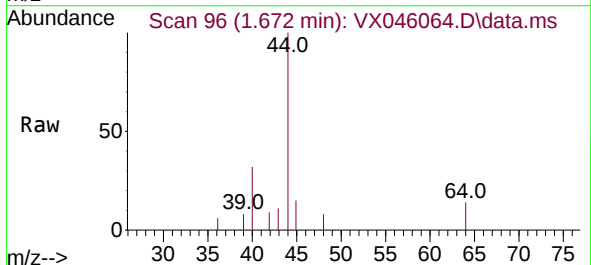
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#05

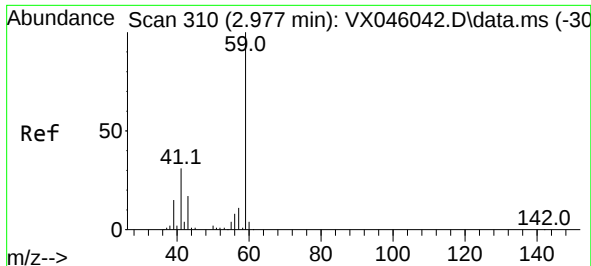
Tgt Ion:168 Resp: 65474
Ion Ratio Lower Upper
168 100
99 70.7 54.9 82.3



#6
Chloroethane
Concen: 0.483 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

Tgt Ion: 64 Resp: 233
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

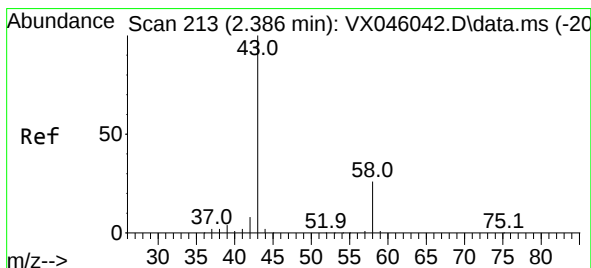
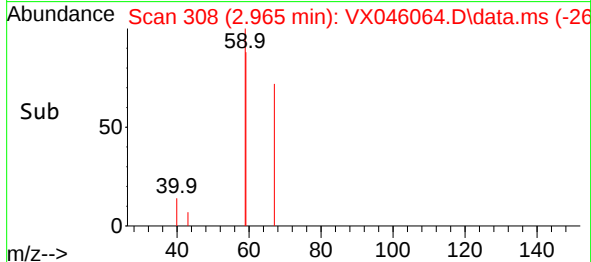
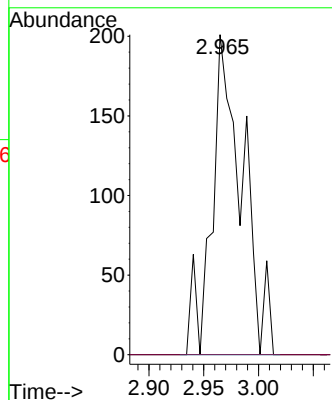
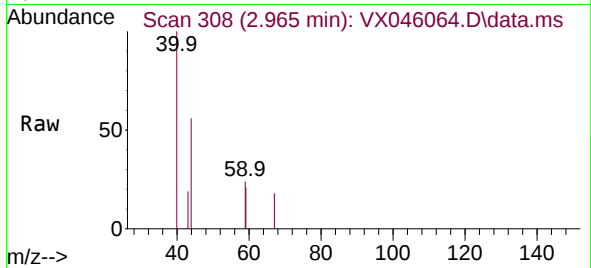




#11
Tert butyl alcohol
Concen: 2.294 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

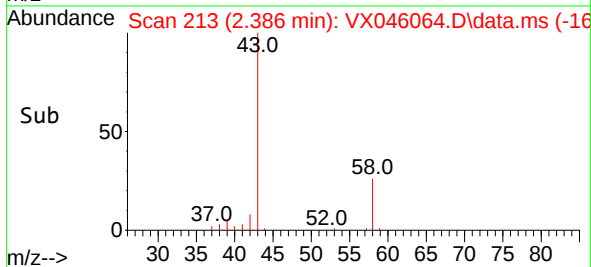
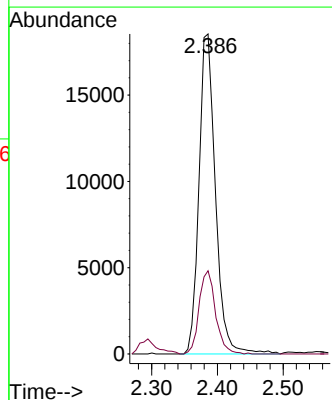
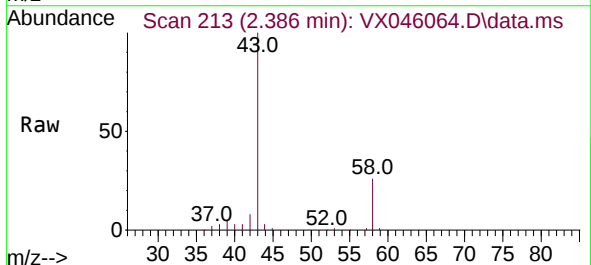
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#05

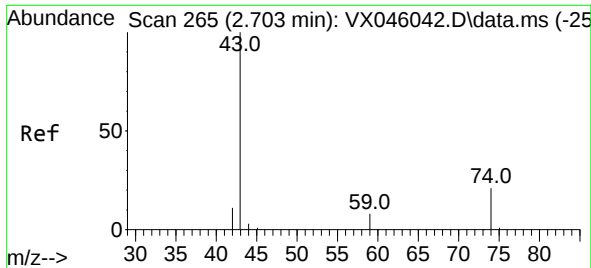
Tgt Ion: 59 Resp: 393
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 66.004 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

Tgt Ion: 43 Resp: 32304
Ion Ratio Lower Upper
43 100
58 26.0 21.2 31.8

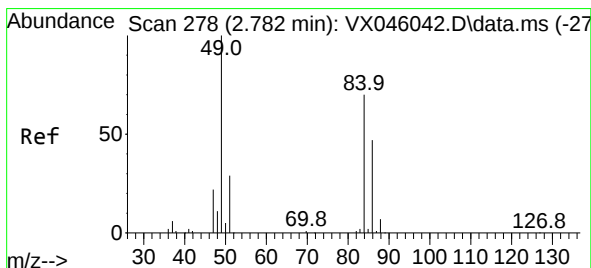
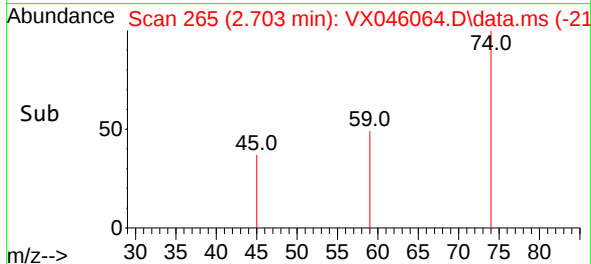
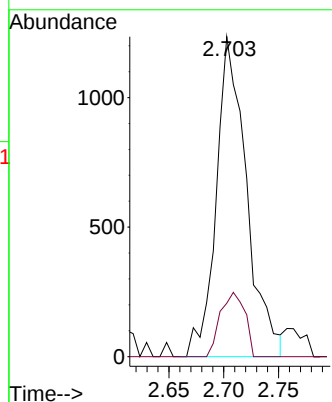
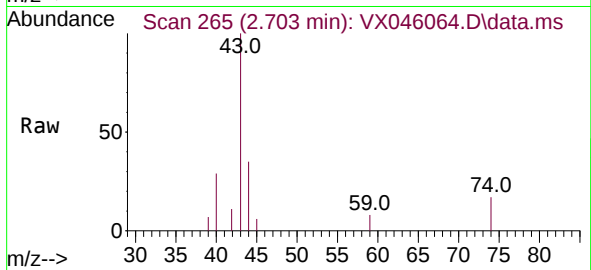




#18
Methyl Acetate
Concen: 2.093 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

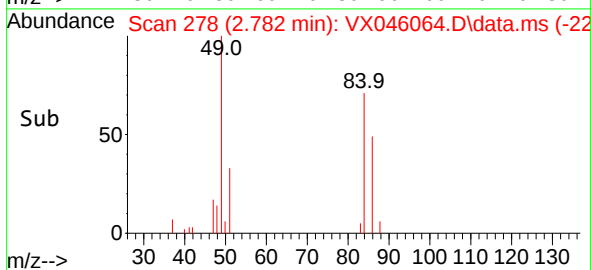
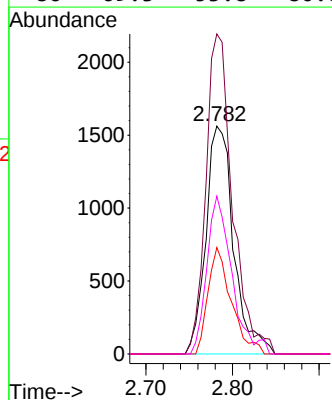
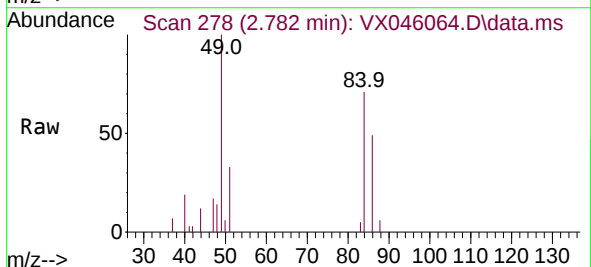
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#05

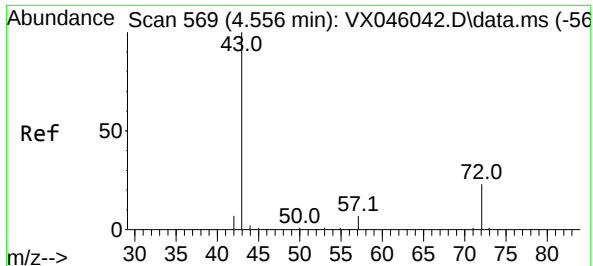
Tgt Ion: 43 Resp: 2377
Ion Ratio Lower Upper
43 100
74 16.2 16.7 25.1#



#20
Methylene Chloride
Concen: 3.709 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

Tgt Ion: 84 Resp: 3479
Ion Ratio Lower Upper
84 100
49 140.5 113.9 170.9
51 46.7 33.5 50.3
86 69.3 53.8 80.8

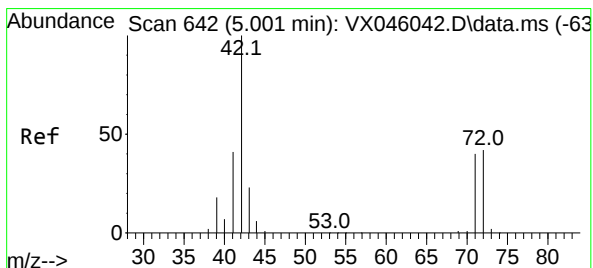
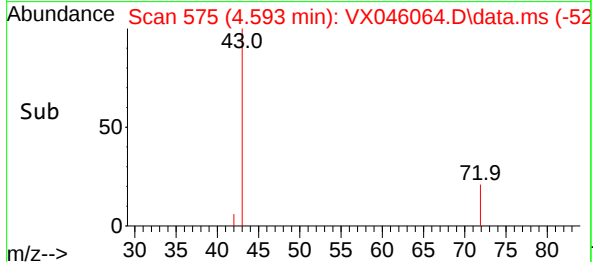
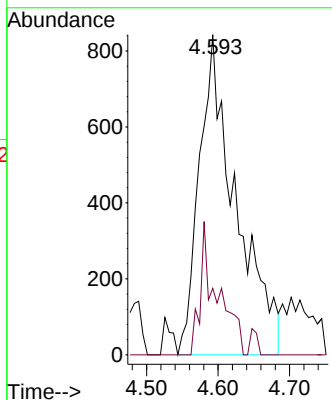
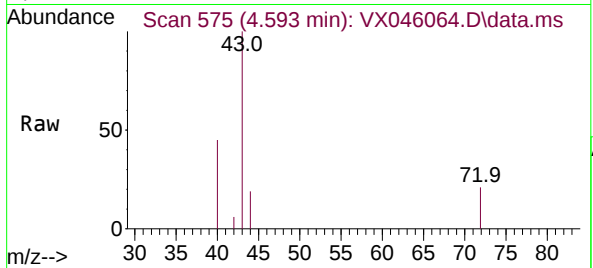




#25
2-Butanone
Concen: 4.205 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.036 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

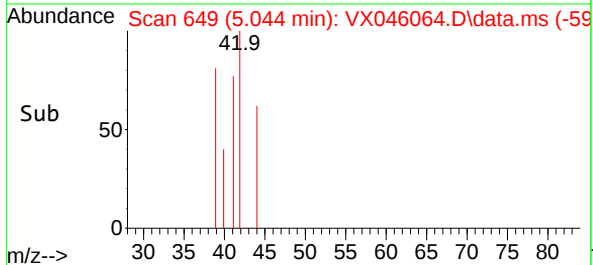
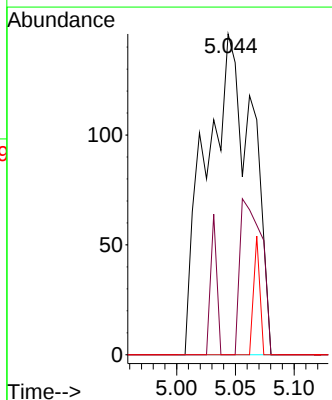
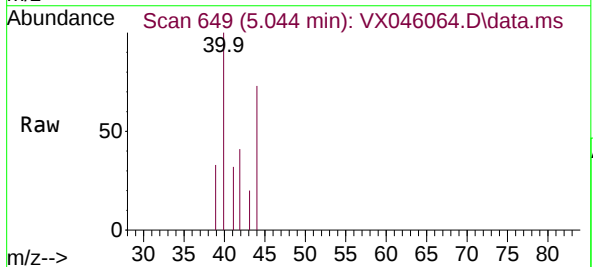
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#05

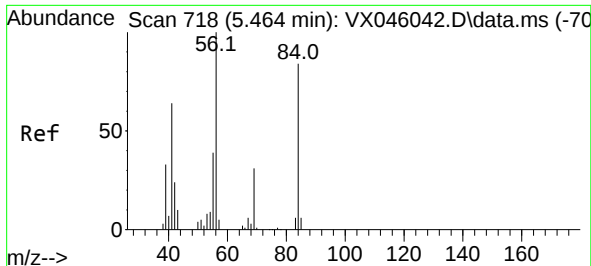
Tgt Ion: 43 Resp: 2988
Ion Ratio Lower Upper
43 100
72 20.8 18.4 27.6



#29
Tetrahydrofuran
Concen: 0.892 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.043 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

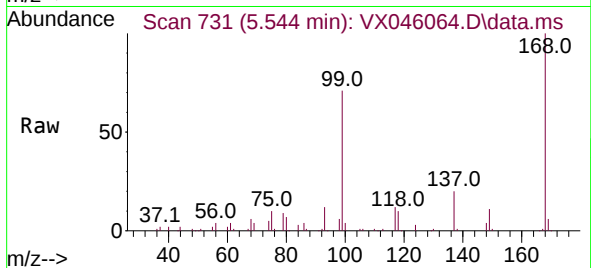
Tgt Ion: 42 Resp: 397
Ion Ratio Lower Upper
42 100
72 22.9 33.7 50.5#
71 0.0 31.4 47.2#



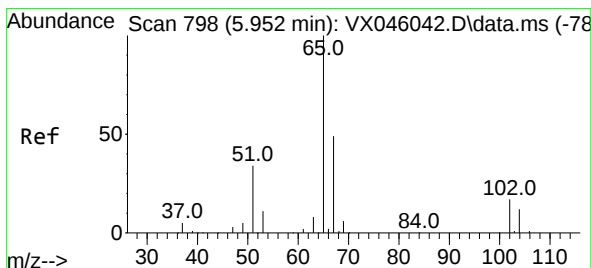
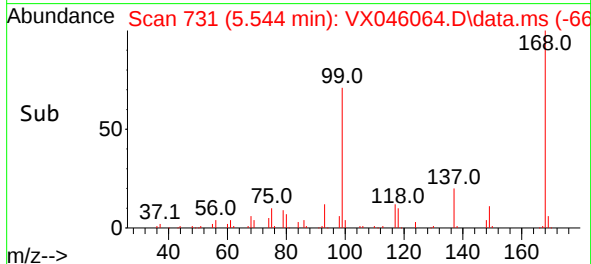
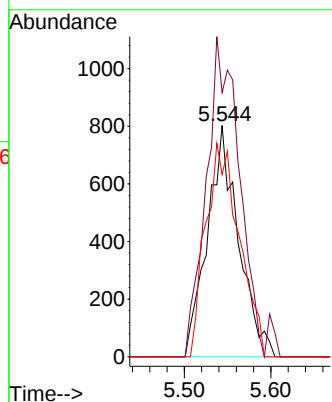


#31
Cyclohexane
Concen: 1.376 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#05

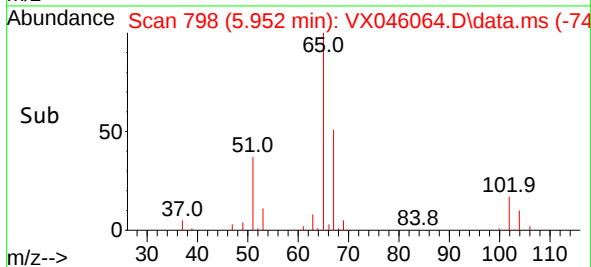
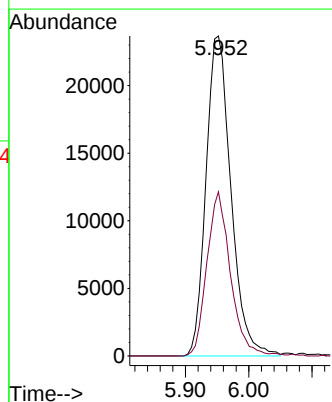
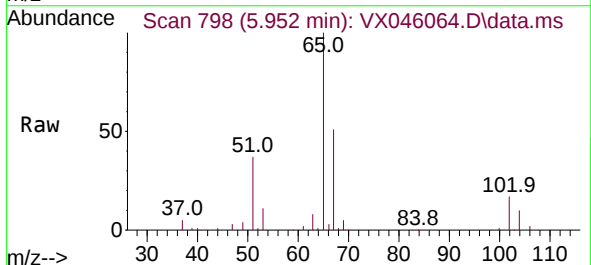


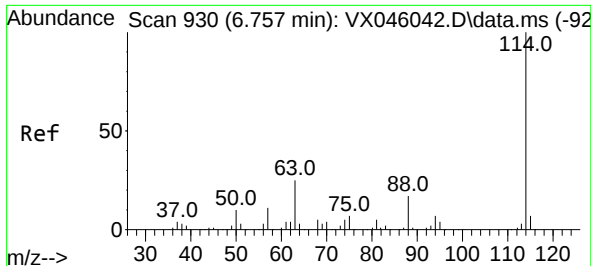
Tgt Ion: 56 Resp: 2001
Ion Ratio Lower Upper
56 100
69 114.2 24.4 36.6#
84 78.8 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 53.237 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

Tgt Ion: 65 Resp: 64984
Ion Ratio Lower Upper
65 100
67 48.5 0.0 99.0

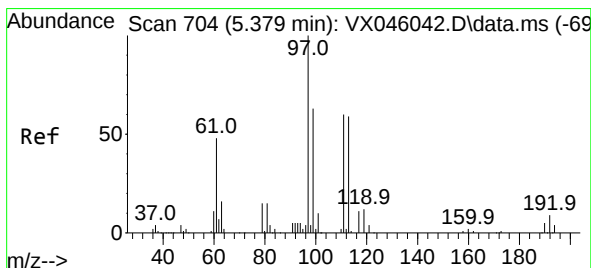
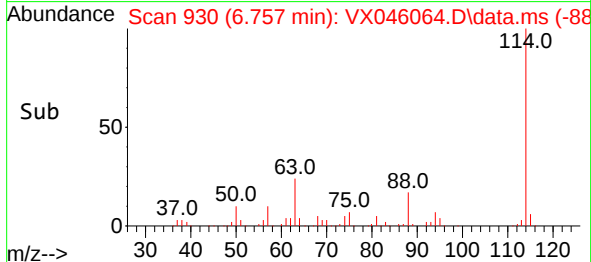
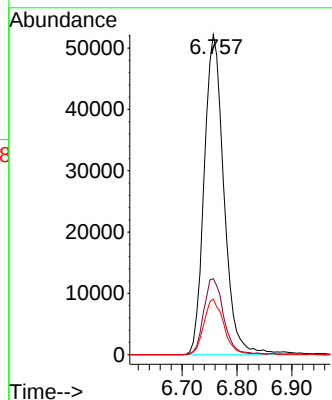
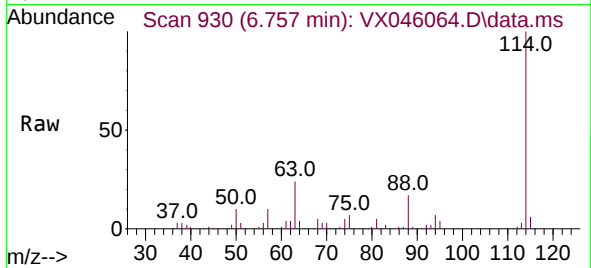




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

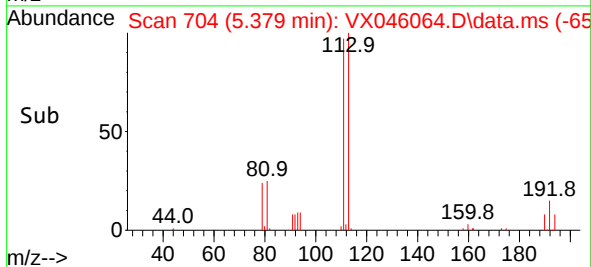
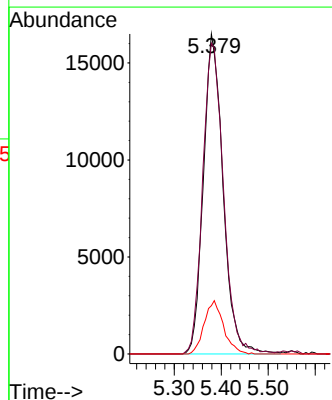
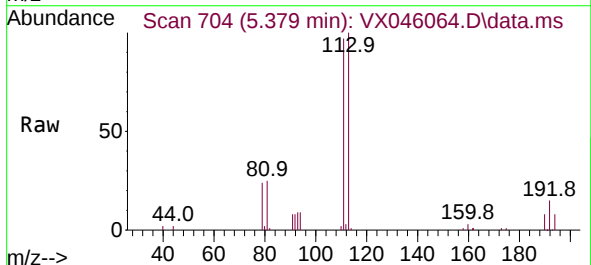
Instrument :
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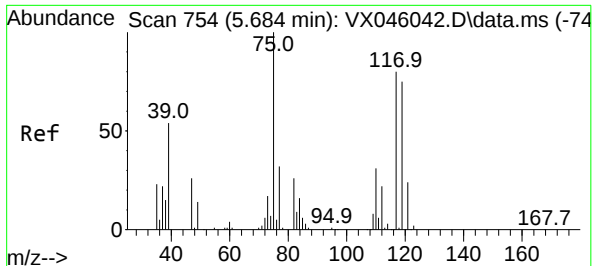
Tgt Ion:114 Resp: 130242
Ion Ratio Lower Upper
114 100
63 23.7 0.0 49.2
88 17.3 0.0 33.6



#35
Dibromofluoromethane
Concen: 51.262 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

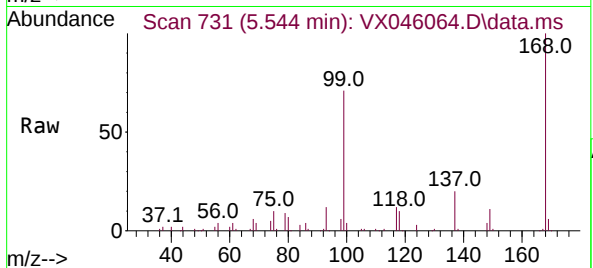
Tgt Ion:113 Resp: 48078
Ion Ratio Lower Upper
113 100
111 102.4 83.1 124.7
192 16.4 13.3 19.9



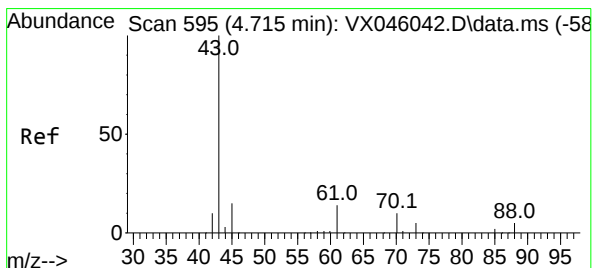
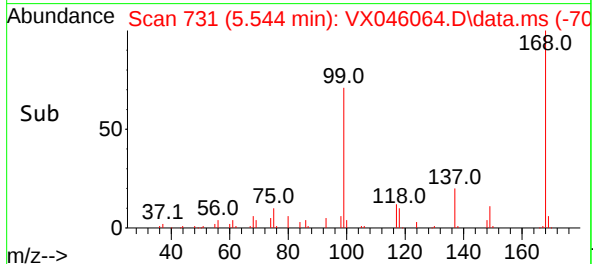
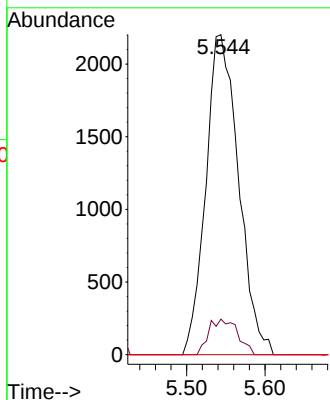


#36
1,1-Dichloropropene
Concen: 5.078 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#05

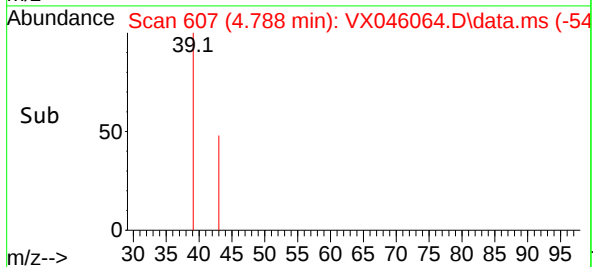
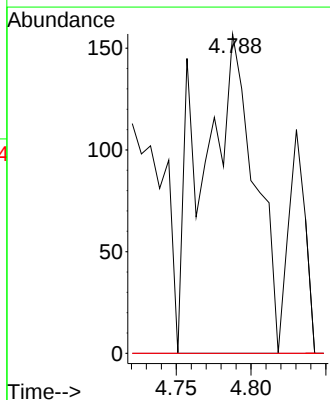
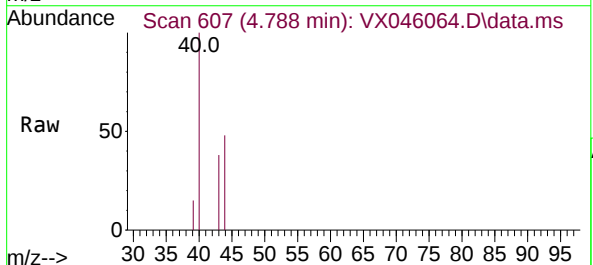


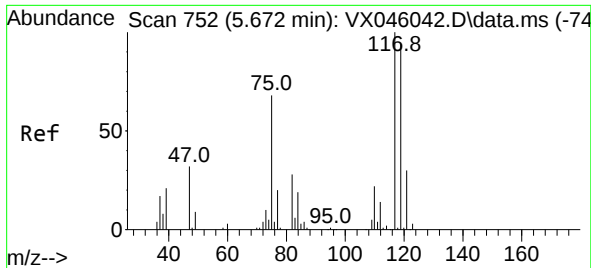
Tgt Ion: 75 Resp: 6399
Ion Ratio Lower Upper
75 100
110 9.8 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 0.244 ug/l
RT: 4.788 min Scan# 607
Delta R.T. 0.073 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

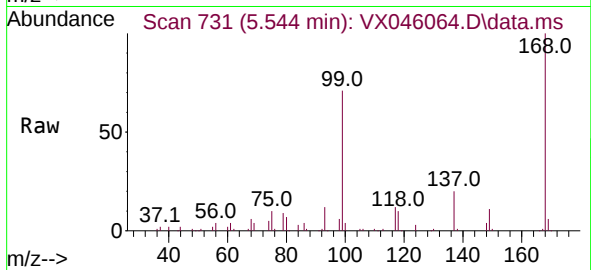
Tgt Ion: 43 Resp: 380
Ion Ratio Lower Upper
43 100
61 0.0 10.3 15.5#
70 0.0 7.9 11.9#



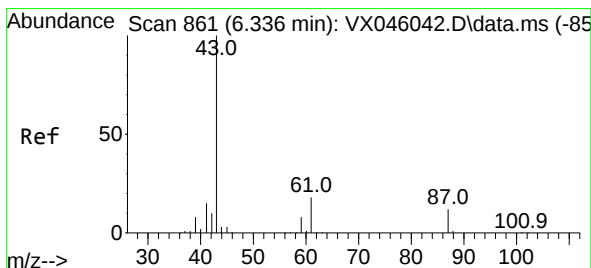
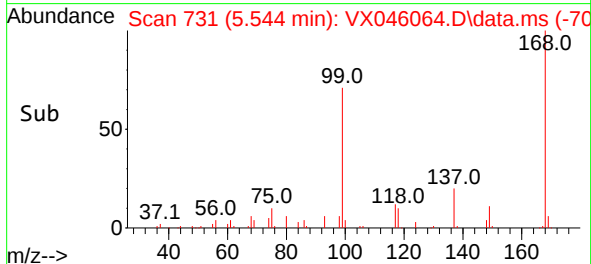
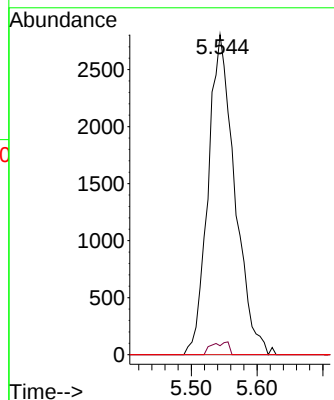


#38
Carbon Tetrachloride
Concen: 5.616 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#05

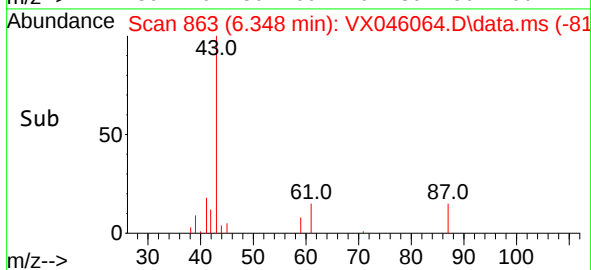
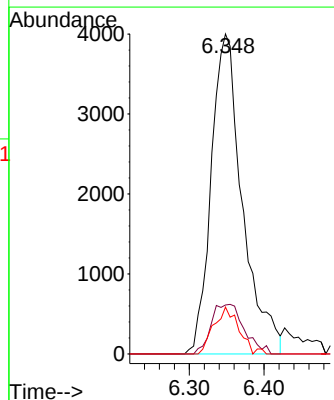
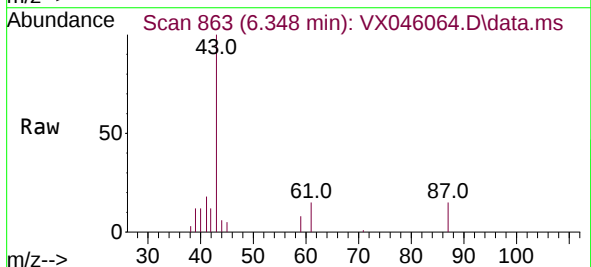


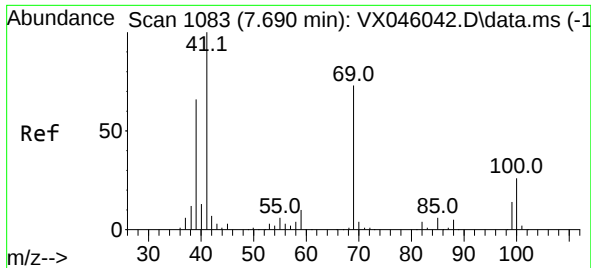
Tgt Ion:117 Resp: 7951
Ion Ratio Lower Upper
117 100
119 2.8 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 4.882 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

Tgt Ion: 43 Resp: 11595
Ion Ratio Lower Upper
43 100
61 16.4 14.3 21.5
87 11.9 9.5 14.3

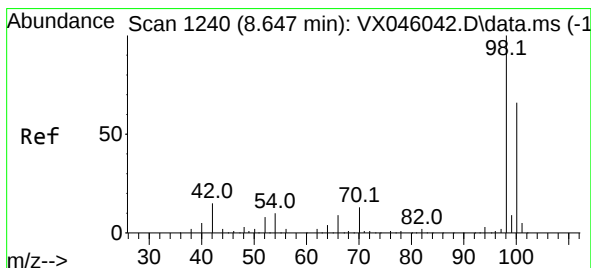
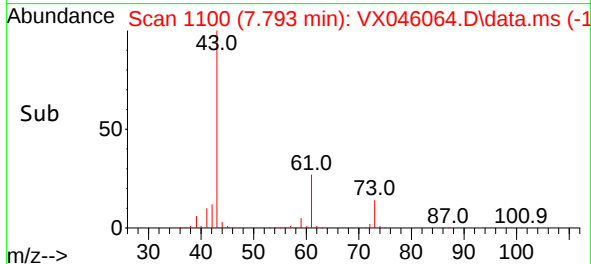
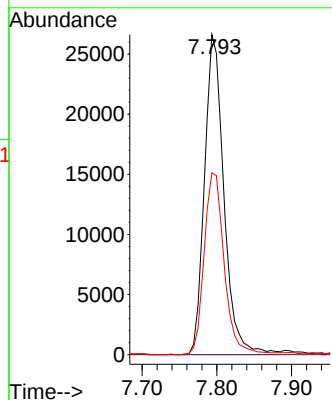
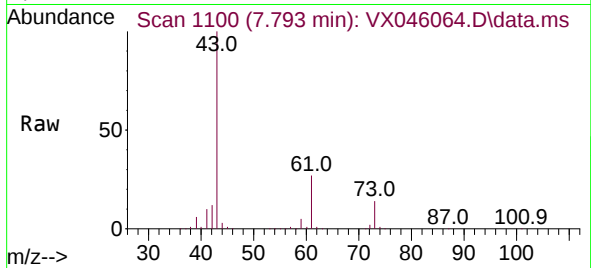




#48
Methyl methacrylate
Concen: 39.631 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

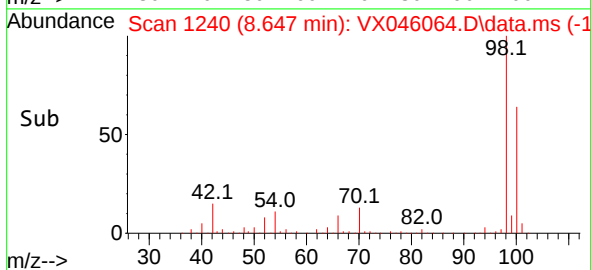
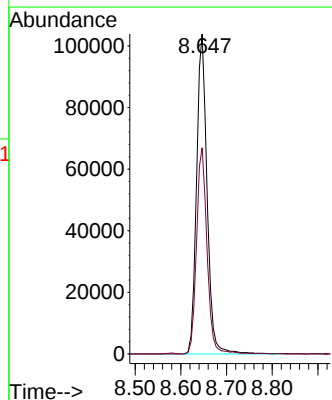
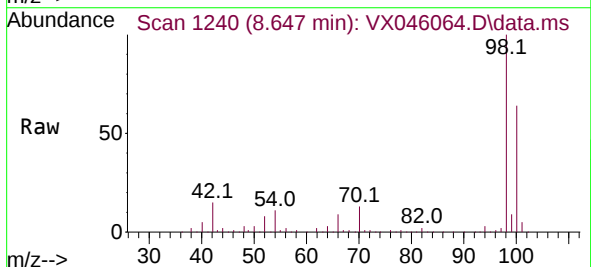
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#05

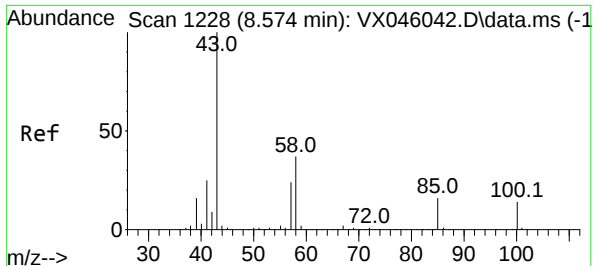
Tgt Ion: 41 Resp: 48073
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 58.8 51.7 77.5



#50
Toluene-d8
Concen: 51.109 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

Tgt Ion: 98 Resp: 165908
Ion Ratio Lower Upper
98 100
100 64.4 53.5 80.3

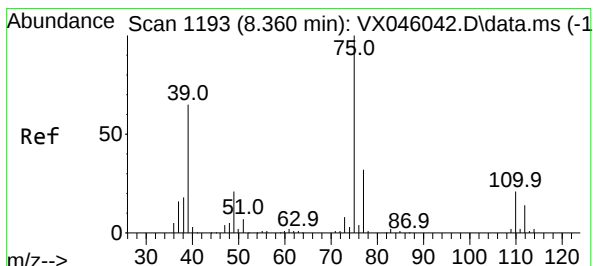
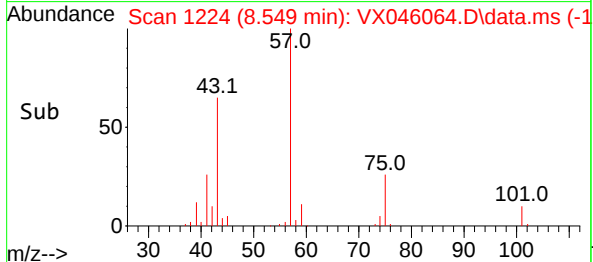
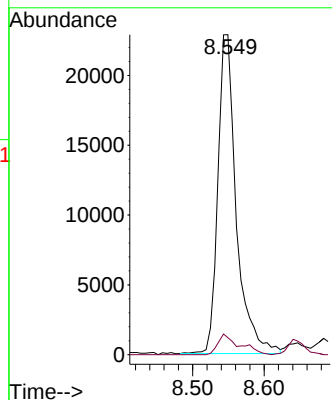
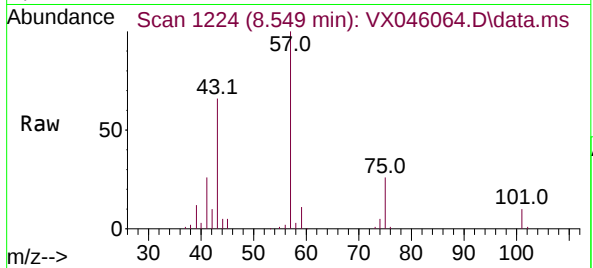




#51
4-Methyl-2-Pentanone
Concen: 25.990 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

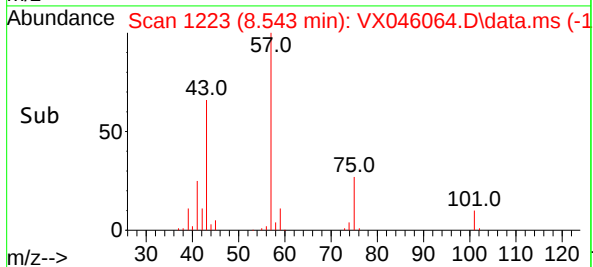
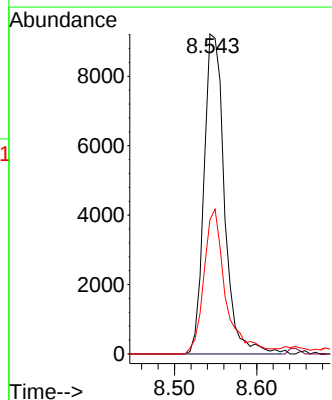
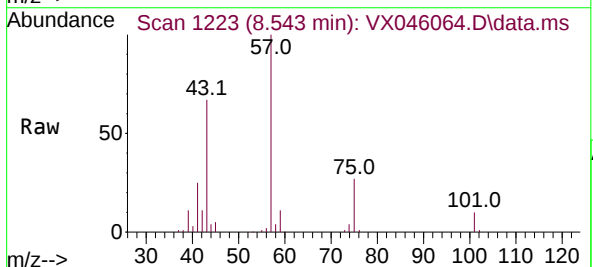
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#05

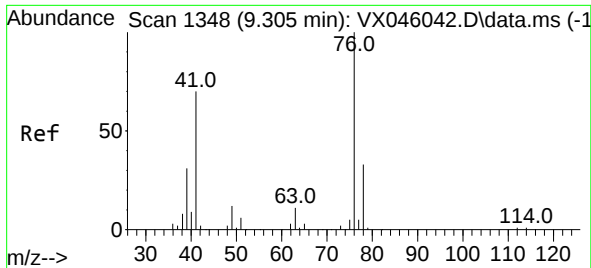
Tgt Ion: 43 Resp: 40976
Ion Ratio Lower Upper
43 100
58 6.2 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 11.359 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. 0.183 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

Tgt Ion: 75 Resp: 15910
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 42.0 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 1.002 ug/l

RT: 9.476 min Scan# 11

Delta R.T. 0.171 min

Lab File: VX046064.D

Acq: 06 May 2025 15:22

Instrument :

MSVOA_X

ClientSampleId :

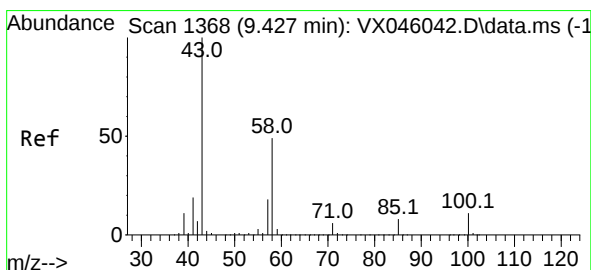
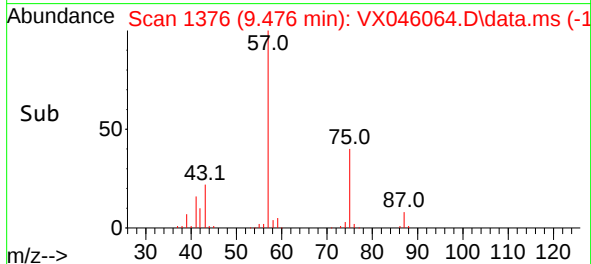
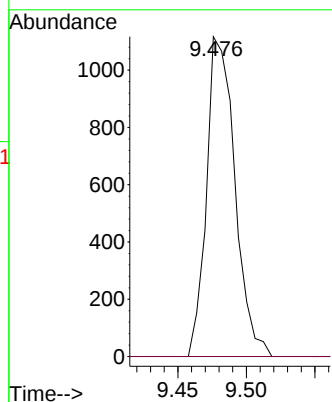
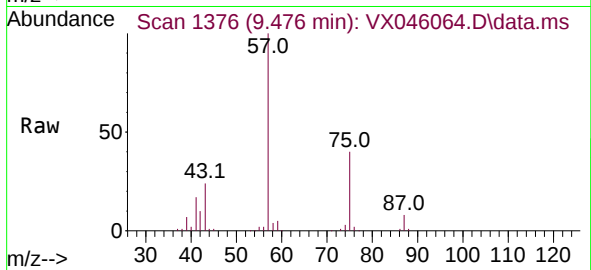
PB167852ZHE#05

Tgt Ion: 76 Resp: 1606

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 11.618 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX046064.D

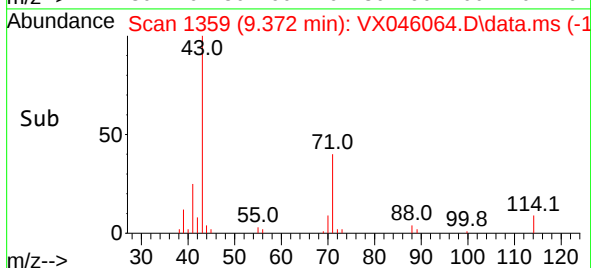
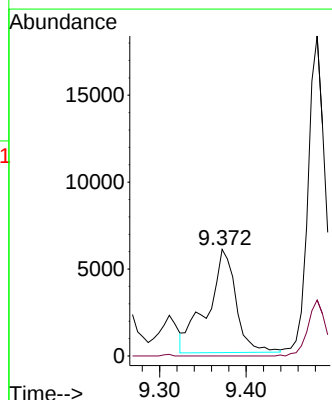
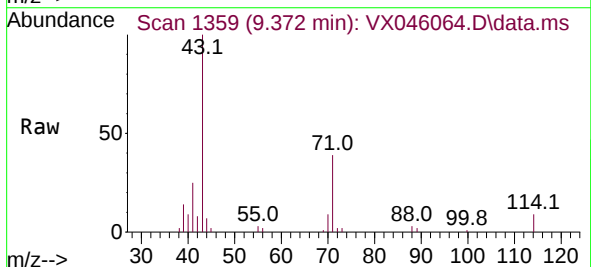
Acq: 06 May 2025 15:22

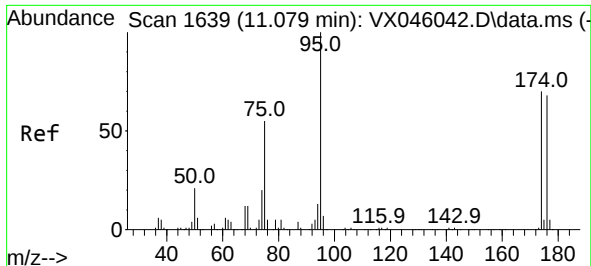
Tgt Ion: 43 Resp: 13551

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

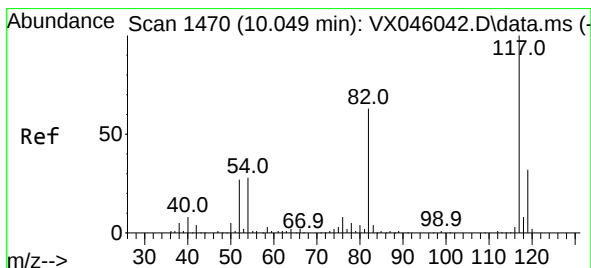
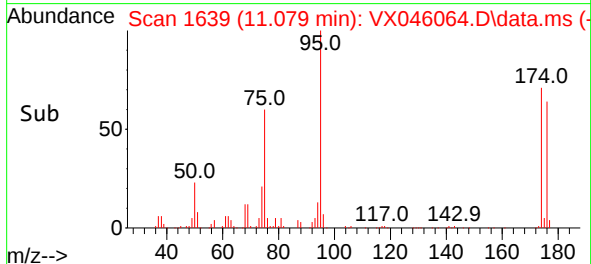
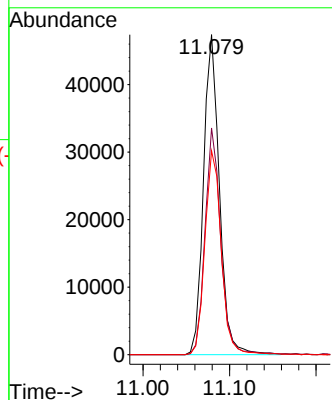
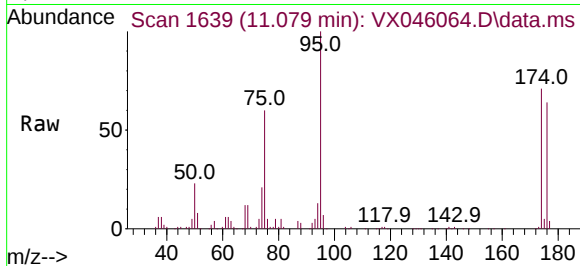




#62
4-Bromofluorobenzene
Concen: 48.577 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

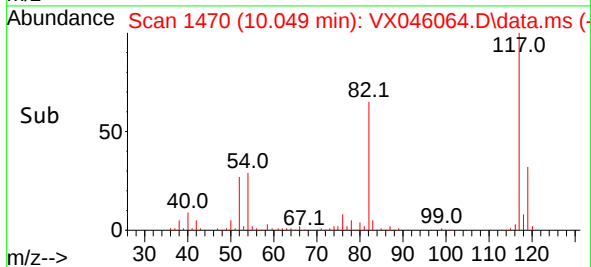
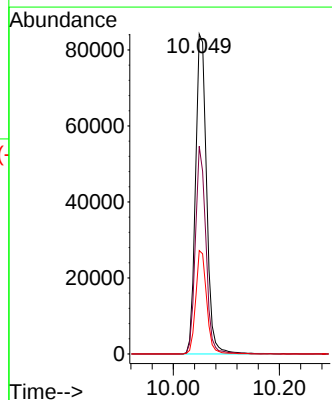
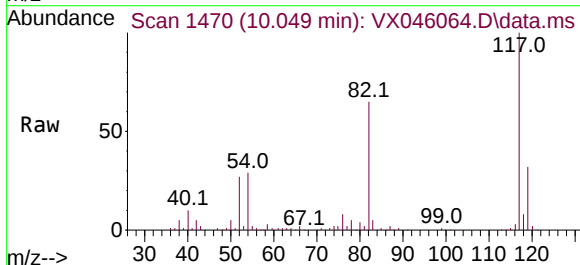
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#05

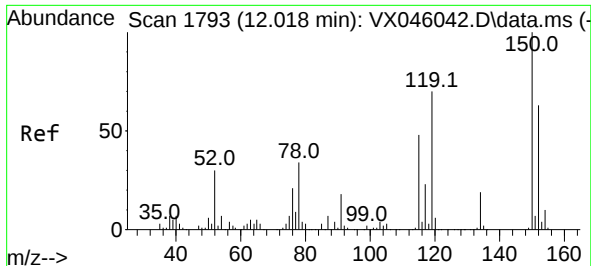
Tgt Ion: 95 Resp: 60486
Ion Ratio Lower Upper
95 100
174 70.0 0.0 135.8
176 65.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

Tgt Ion: 117 Resp: 121811
Ion Ratio Lower Upper
117 100
82 64.9 50.6 76.0
119 32.3 25.8 38.6

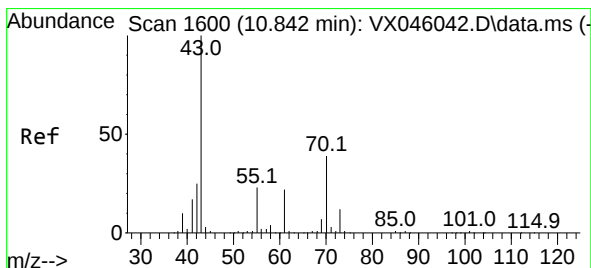
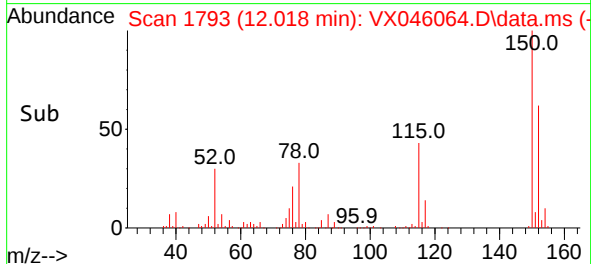
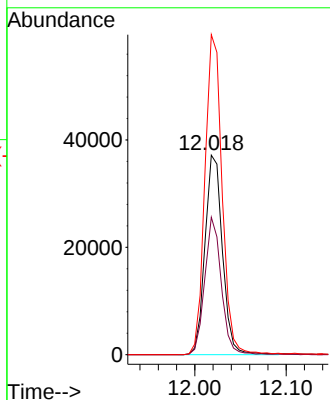
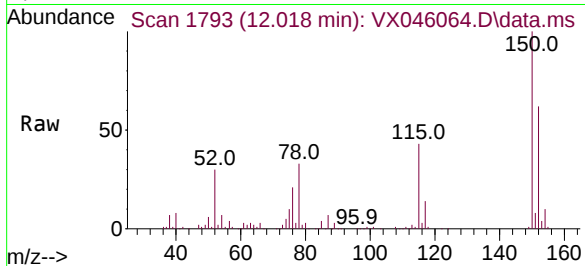




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

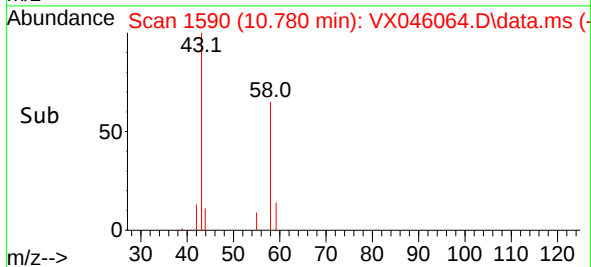
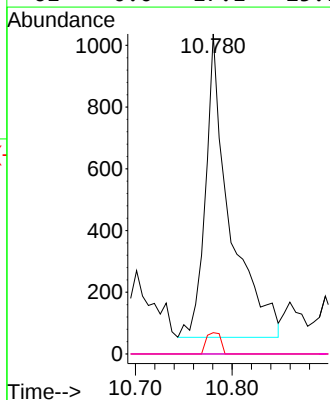
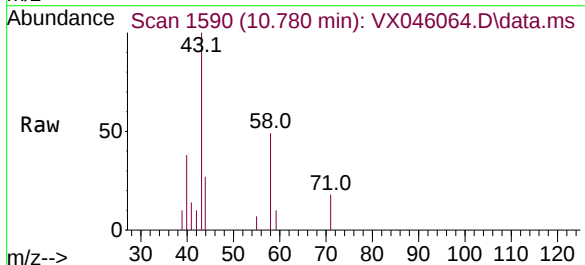
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#05

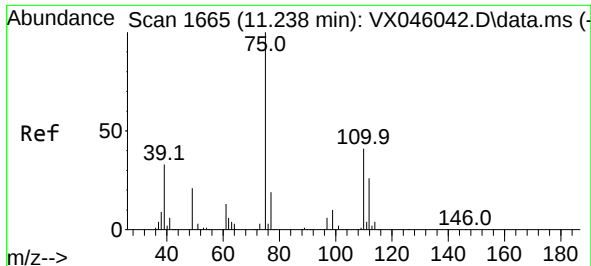
Tgt Ion:152 Resp: 49332
Ion Ratio Lower Upper
152 100
115 65.4 46.9 140.7
150 157.9 0.0 351.0



#74
N-ethyl acetate
Concen: 0.903 ug/l
RT: 10.780 min Scan# 1590
Delta R.T. -0.061 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

Tgt Ion: 43 Resp: 1714
Ion Ratio Lower Upper
43 100
70 0.0 30.9 46.3#
55 4.2 18.7 28.1#
61 0.0 17.1 25.7#

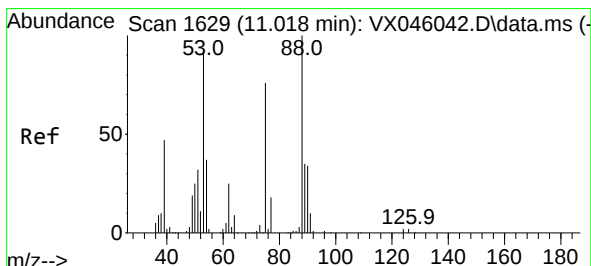
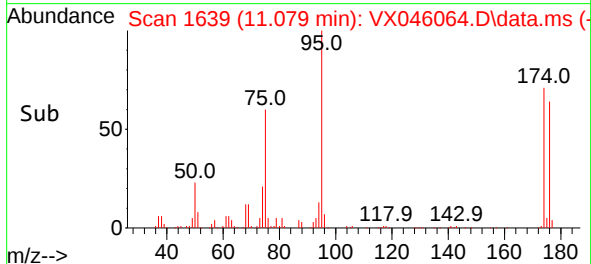
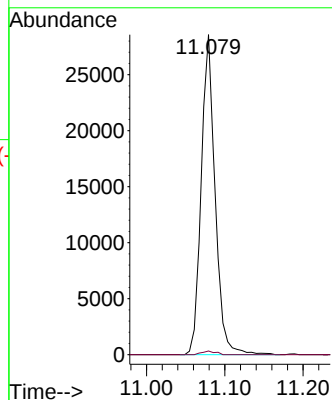
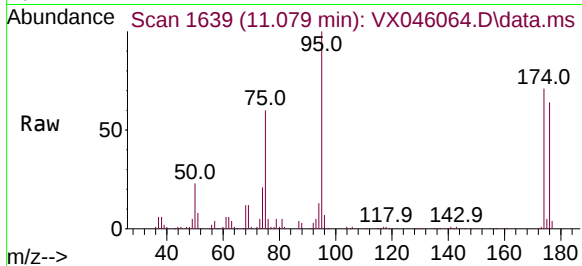




#76
1,2,3-Trichloropropane
Concen: 29.659 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#05

Tgt Ion: 75 Resp: 35218
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.559 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046064.D
Acq: 06 May 2025 15:22

Tgt Ion: 75 Resp: 35218
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

