

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050625\
 Data File : VX046065.D
 Acq On : 06 May 2025 15:45
 Operator : JC/MD
 Sample : PB167852ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167852ZHE#06

Quant Time: May 07 01:47:29 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)

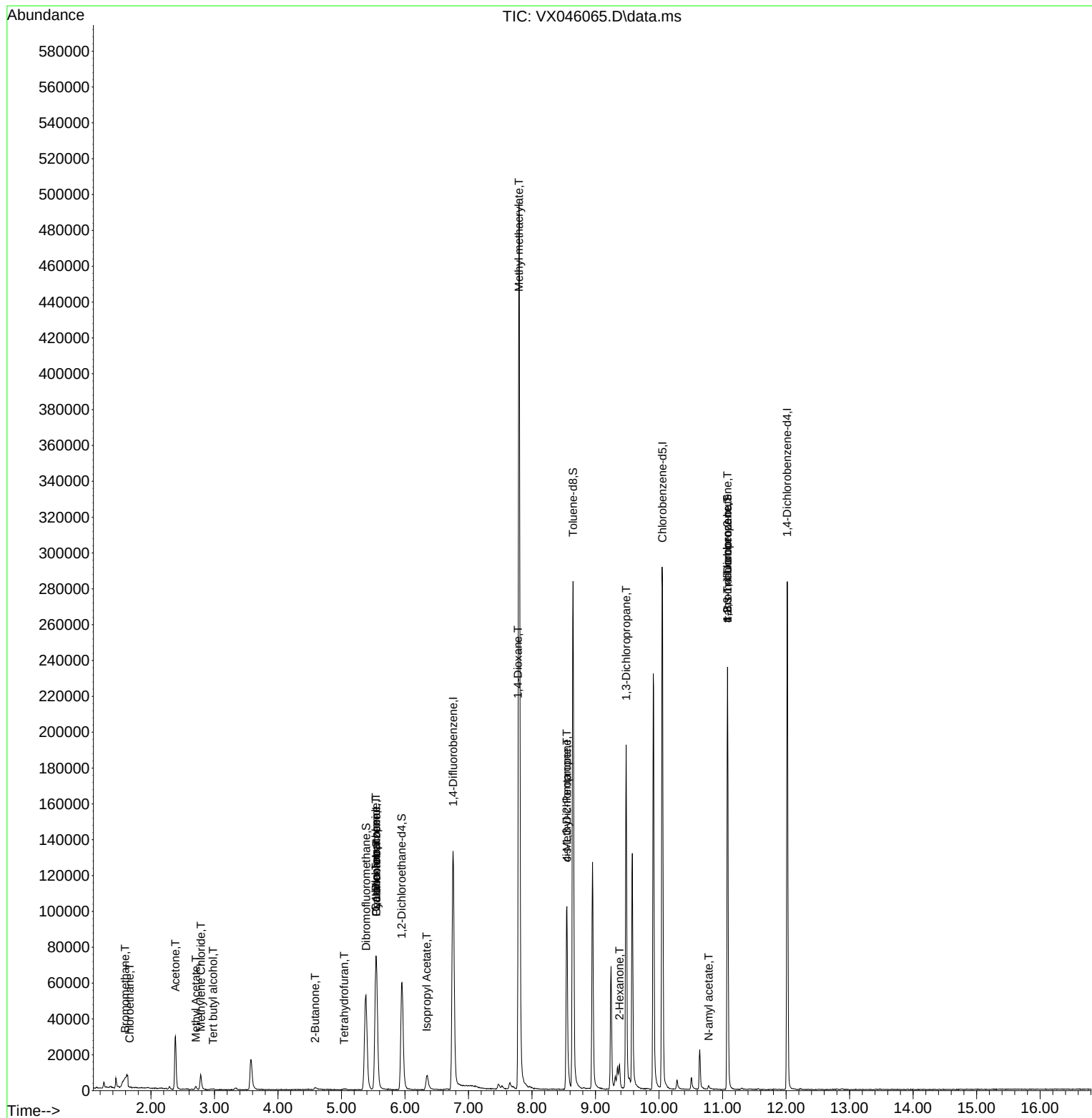
Internal Standards						
1) Pentafluorobenzene	5.550	168	64664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128686	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	63211	52.434	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.860%			
35) Dibromofluoromethane	5.385	113	46079	49.725	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.460%			
50) Toluene-d8	8.647	98	162055	50.526	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.060%			
62) 4-Bromofluorobenzene	11.079	95	61413	49.917	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.840%			
Target Compounds					Qvalue	
5) Bromomethane	1.593	94	112	0.270	ug/l #	56
6) Chloroethane	1.666	64	101	0.212	ug/l #	44
11) Tert butyl alcohol	2.977	59	420	2.482	ug/l #	72
16) Acetone	2.386	43	33822	69.972	ug/l	94
18) Methyl Acetate	2.709	43	2200	1.961	ug/l	96
20) Methylene Chloride	2.788	84	3691	3.985	ug/l	92
25) 2-Butanone	4.587	43	2819	4.017	ug/l #	87
29) Tetrahydrofuran	5.044	42	547	1.244	ug/l #	42
31) Cyclohexane	5.550	56	1870	1.302	ug/l #	38
36) 1,1-Dichloropropene	5.544	75	6572	5.278	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7590	5.425	ug/l #	17
43) Isopropyl Acetate	6.342	43	12311	5.246	ug/l	98
48) Methyl methacrylate	7.793	41	48428	40.407	ug/l #	50
49) 1,4-Dioxane	7.781	88	28	1.230	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	41509	26.647	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	16464	11.897	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	1629	1.029	ug/l #	42
59) 2-Hexanone	9.378	43	11637	10.097	ug/l #	28
74) N-amyl acetate	10.781	43	1520	0.754	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	35307	28.003	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35307	91.168	ug/l #	1

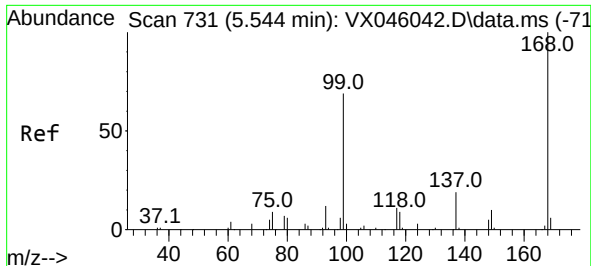
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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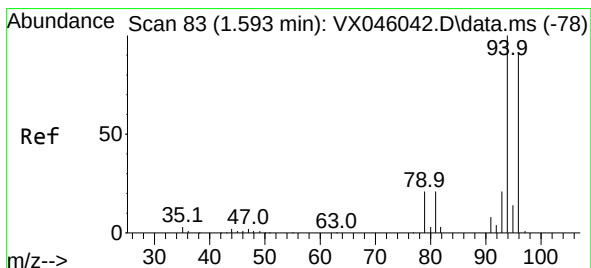
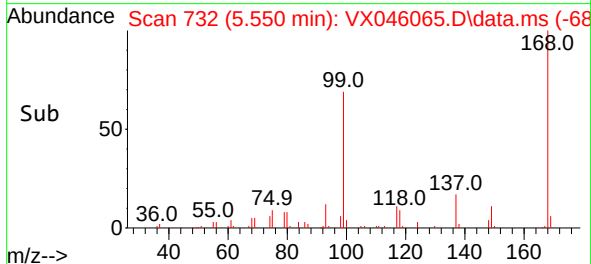
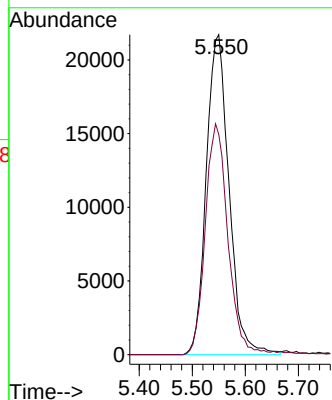
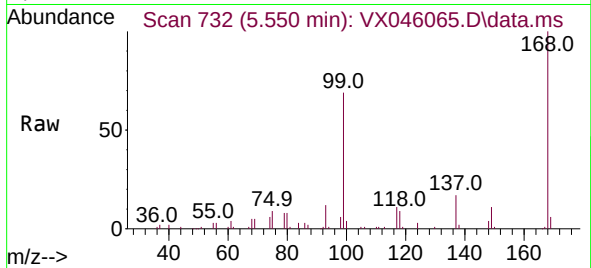




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046065.D
Acq: 06 May 2025 15:45

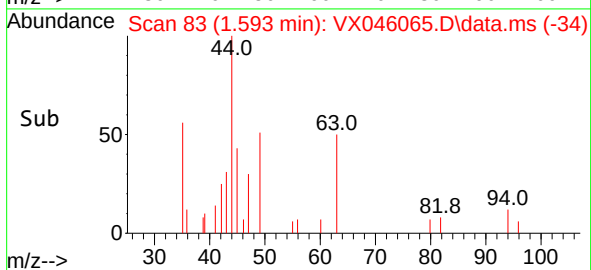
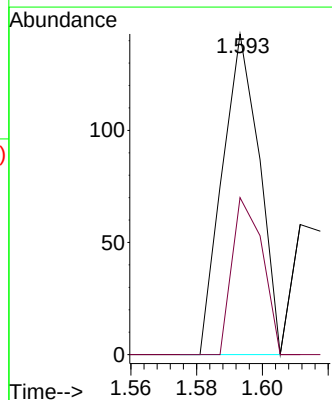
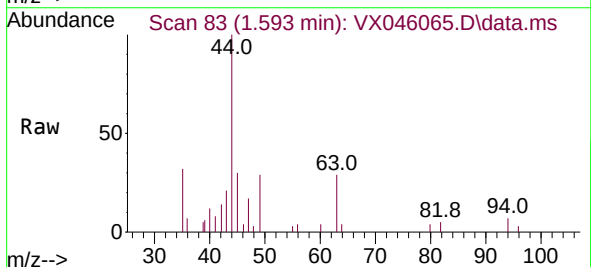
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#06

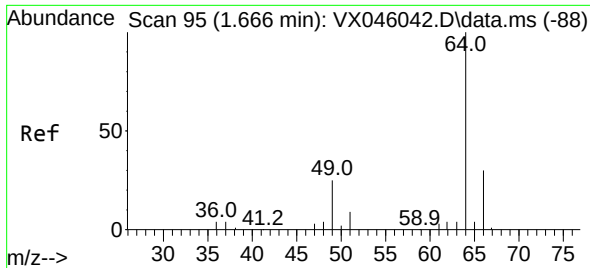
Tgt Ion:168 Resp: 64664
Ion Ratio Lower Upper
168 100
99 68.8 54.9 82.3



#5
Bromomethane
Concen: 0.270 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX046065.D
Acq: 06 May 2025 15:45

Tgt Ion: 94 Resp: 112
Ion Ratio Lower Upper
94 100
96 49.0 72.8 109.2#

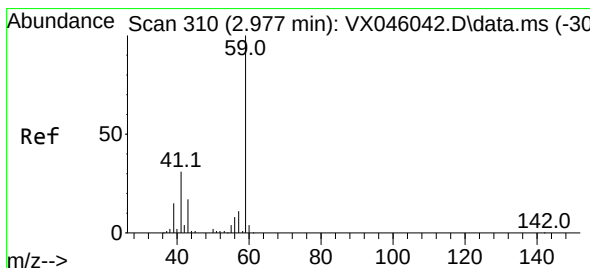
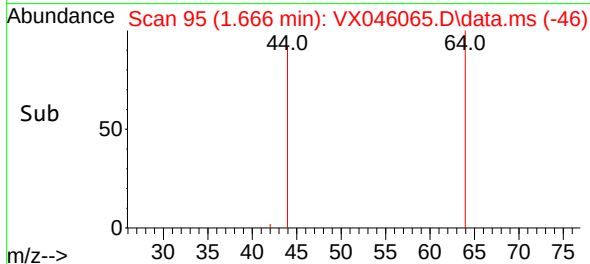
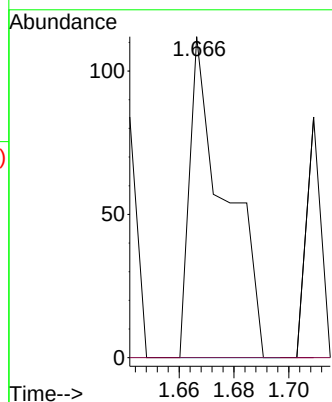
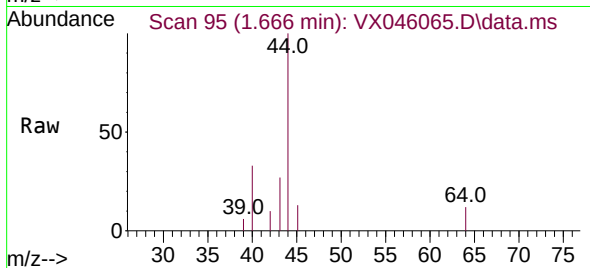




#6
 Chloroethane
 Concen: 0.212 ug/l
 RT: 1.666 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX046065.D
 Acq: 06 May 2025 15:45

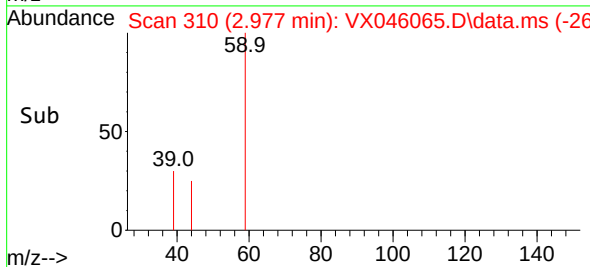
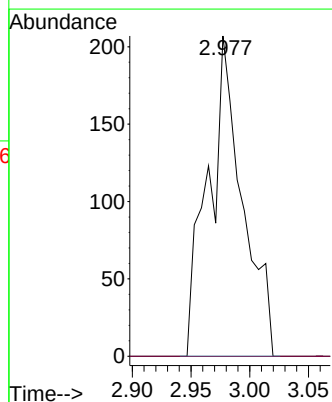
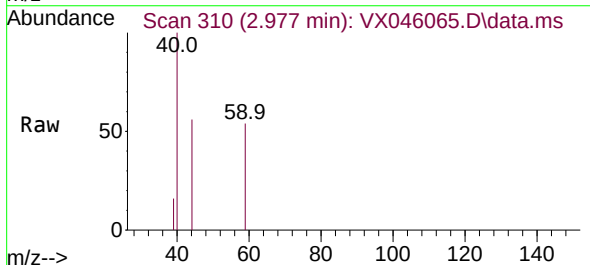
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167852ZHE#06

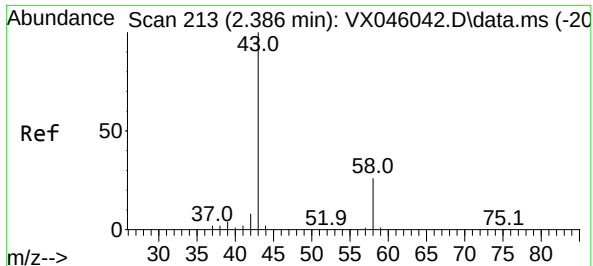
Tgt Ion: 64 Resp: 101
 Ion Ratio Lower Upper
 64 100
 66 0.0 24.3 36.5#



#11
 Tert butyl alcohol
 Concen: 2.482 ug/l
 RT: 2.977 min Scan# 310
 Delta R.T. -0.000 min
 Lab File: VX046065.D
 Acq: 06 May 2025 15:45

Tgt Ion: 59 Resp: 420
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

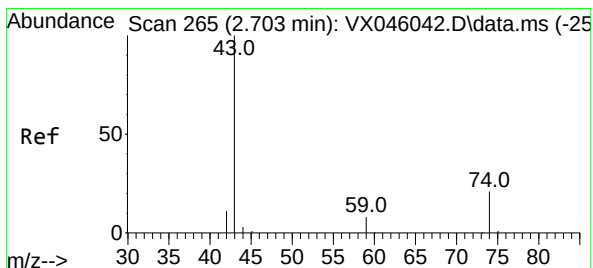
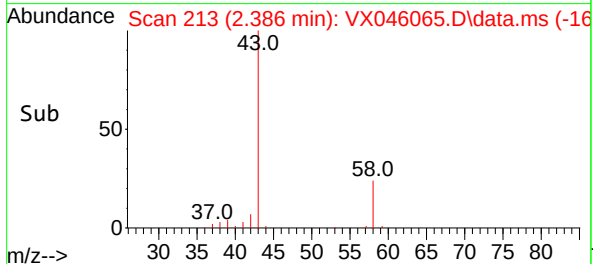
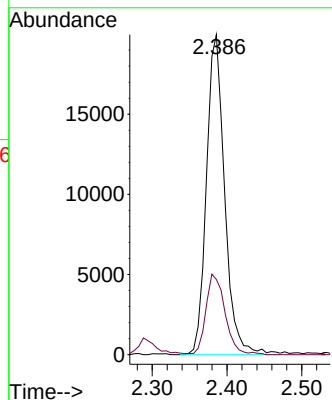
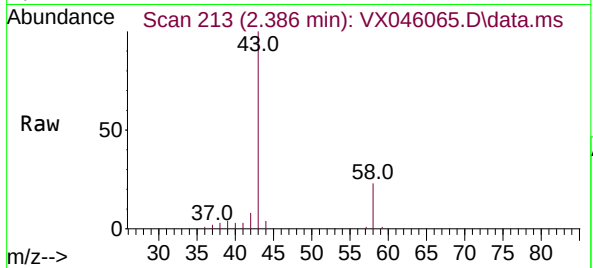




#16
Acetone
Concen: 69.972 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046065.D
Acq: 06 May 2025 15:45

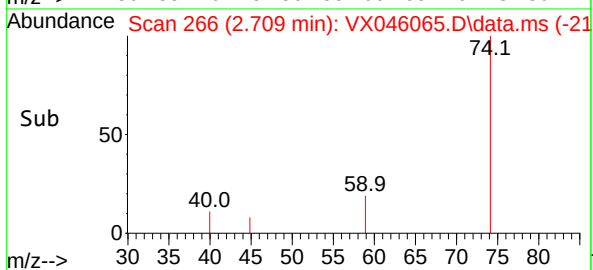
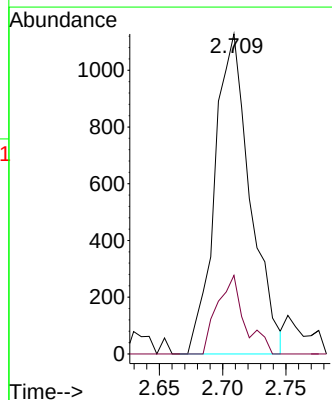
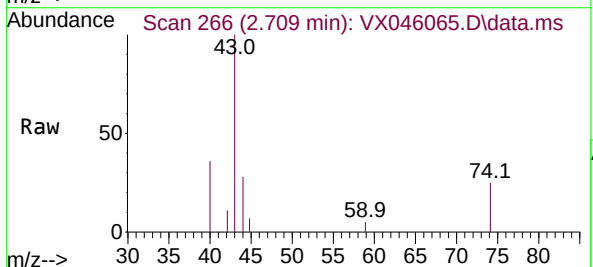
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#06

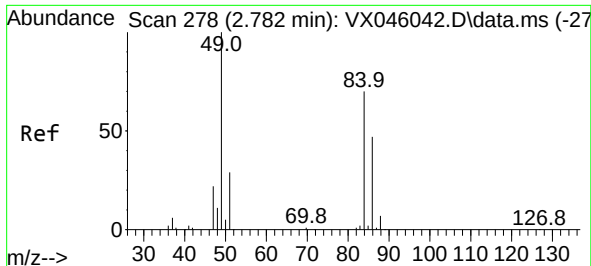
Tgt Ion: 43 Resp: 33822
Ion Ratio Lower Upper
43 100
58 23.5 21.2 31.8



#18
Methyl Acetate
Concen: 1.961 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046065.D
Acq: 06 May 2025 15:45

Tgt Ion: 43 Resp: 2200
Ion Ratio Lower Upper
43 100
74 18.9 16.7 25.1





#20

Methylene Chloride

Concen: 3.985 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX046065.D

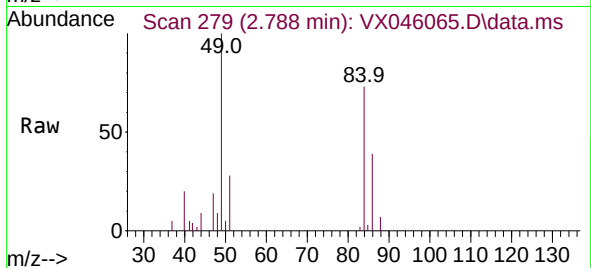
Acq: 06 May 2025 15:45

Instrument :

MSVOA_X

ClientSampleId :

PB167852ZHE#06



Tgt Ion: 84 Resp: 3691

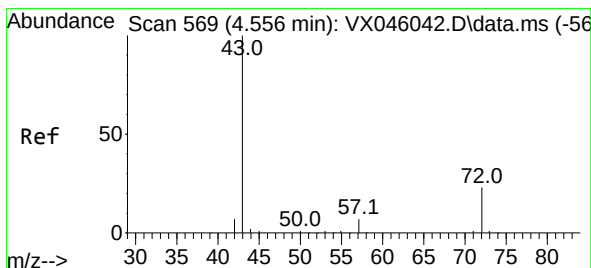
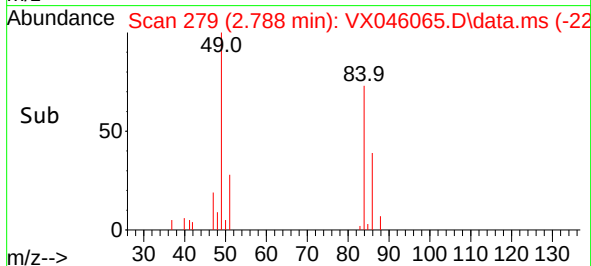
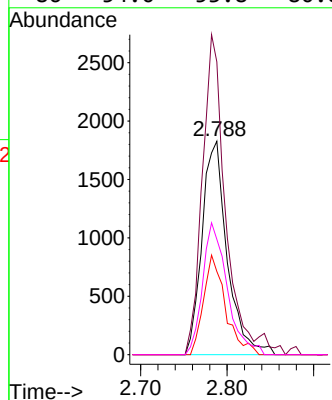
Ion Ratio Lower Upper

84 100

49 137.1 113.9 170.9

51 38.9 33.5 50.3

86 54.0 53.8 80.8



#25

2-Butanone

Concen: 4.017 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.030 min

Lab File: VX046065.D

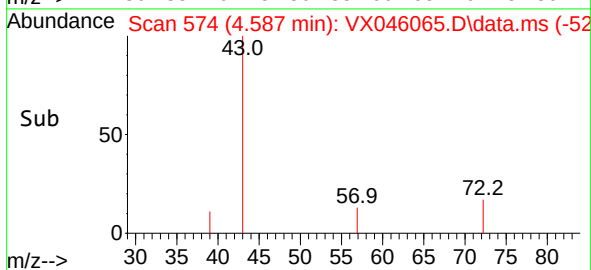
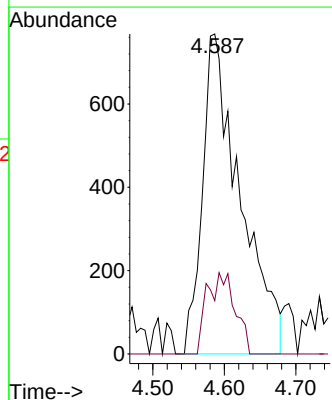
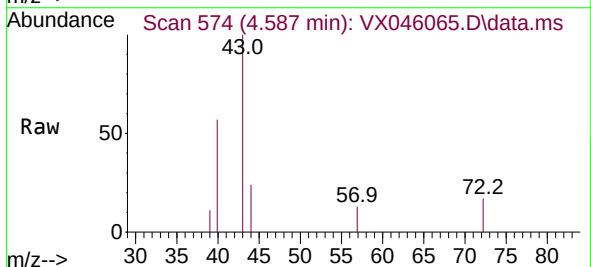
Acq: 06 May 2025 15:45

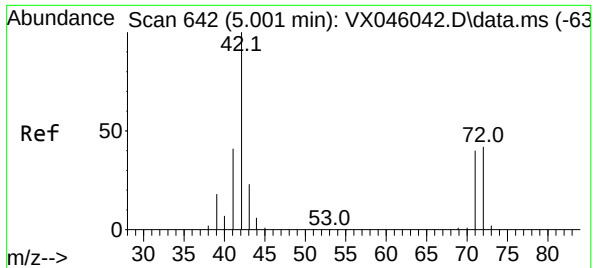
Tgt Ion: 43 Resp: 2819

Ion Ratio Lower Upper

43 100

72 16.7 18.4 27.6#





#29

Tetrahydrofuran

Concen: 1.244 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.043 min

Lab File: VX046065.D

Acq: 06 May 2025 15:45

Instrument :

MSVOA_X

ClientSampleId :

PB167852ZHE#06

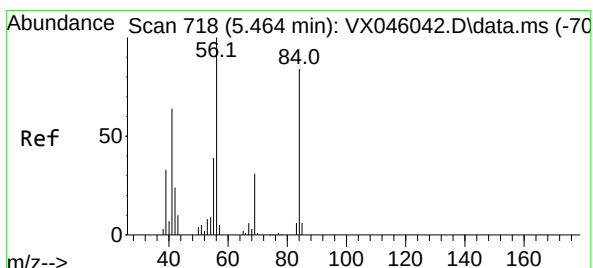
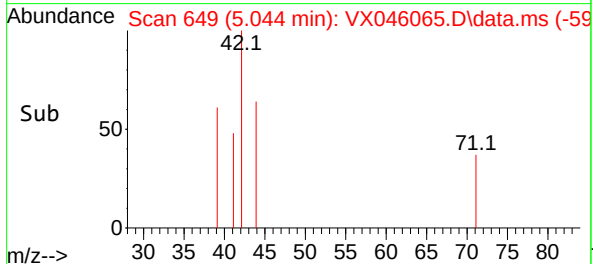
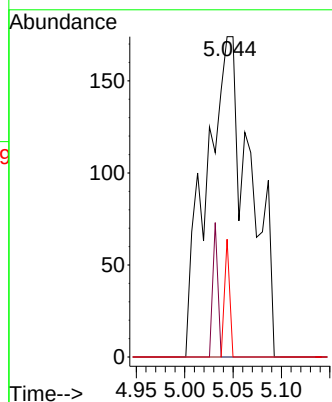
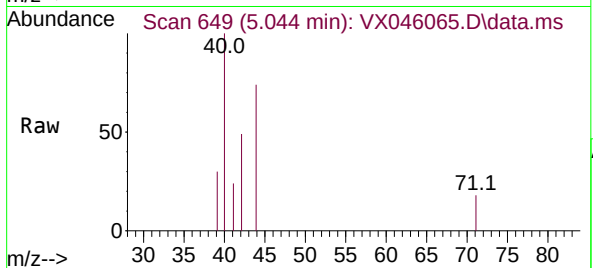
Tgt Ion: 42 Resp: 547

Ion Ratio Lower Upper

42 100

72 4.9 33.7 50.5#

71 4.2 31.4 47.2#



#31

Cyclohexane

Concen: 1.302 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX046065.D

Acq: 06 May 2025 15:45

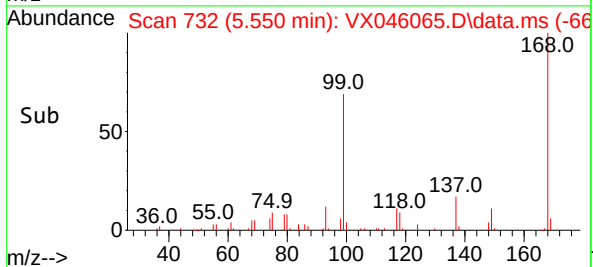
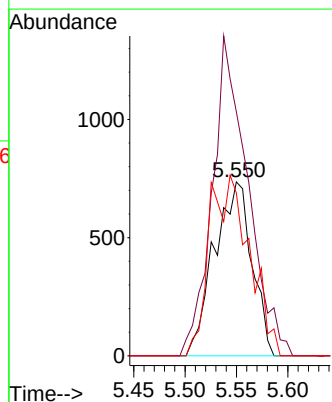
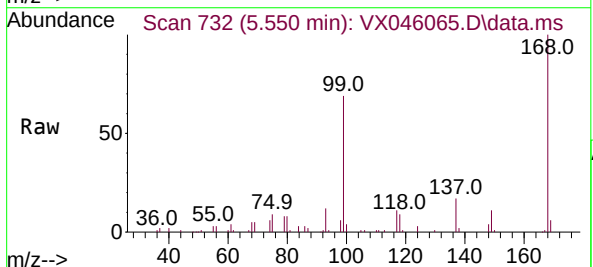
Tgt Ion: 56 Resp: 1870

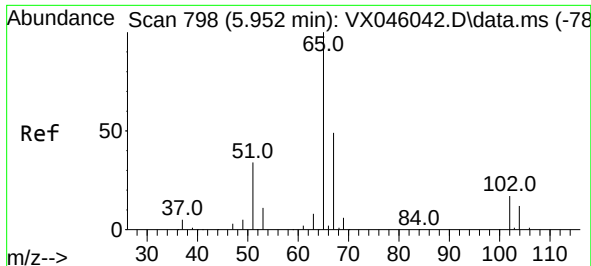
Ion Ratio Lower Upper

56 100

69 140.2 24.4 36.6#

84 93.6 66.9 100.3

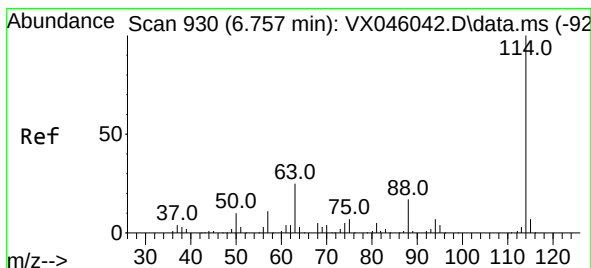
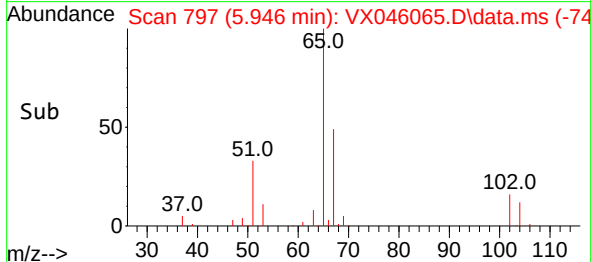
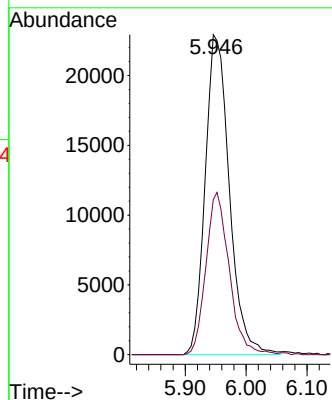
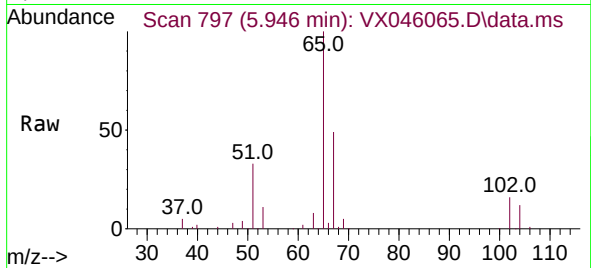




#33
1,2-Dichloroethane-d4
Concen: 52.434 ug/l
RT: 5.946 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX046065.D
Acq: 06 May 2025 15:45

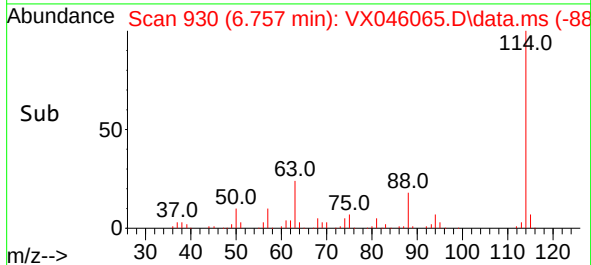
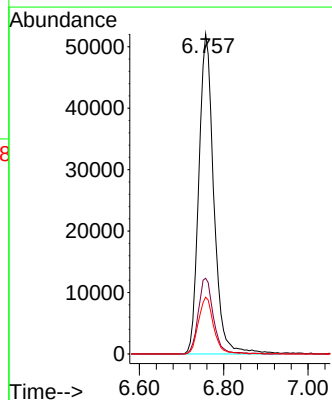
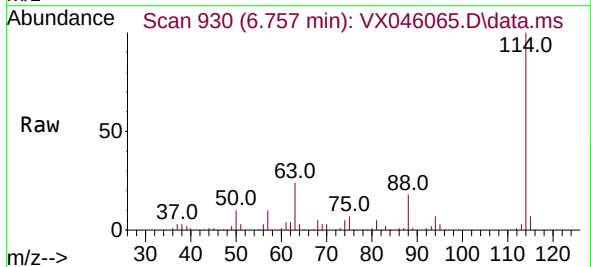
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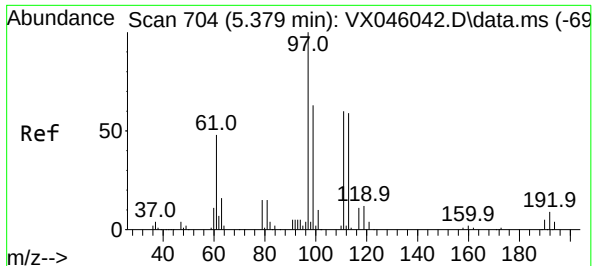
Tgt Ion: 65 Resp: 63211
Ion Ratio Lower Upper
65 100
67 48.9 0.0 99.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046065.D
Acq: 06 May 2025 15:45

Tgt Ion: 114 Resp: 128686
Ion Ratio Lower Upper
114 100
63 23.7 0.0 49.2
88 17.7 0.0 33.6

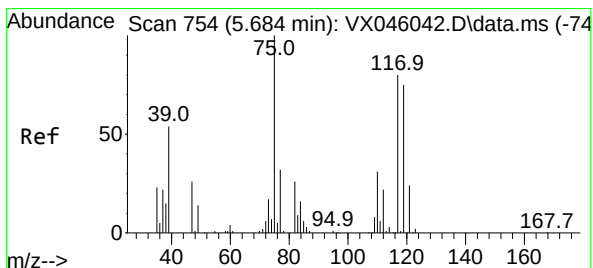
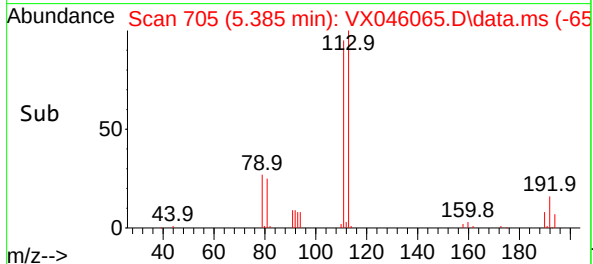
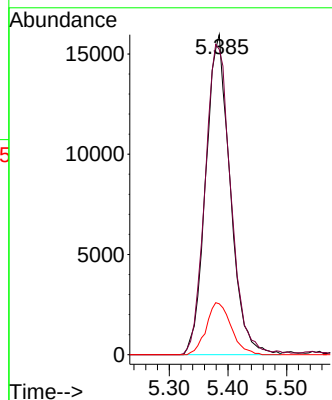
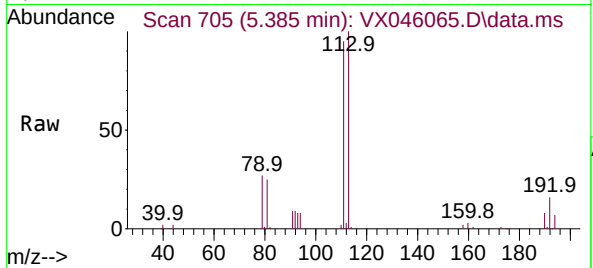




#35
Dibromofluoromethane
Concen: 49.725 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046065.D
Acq: 06 May 2025 15:45

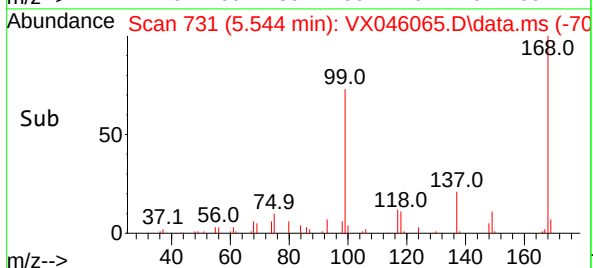
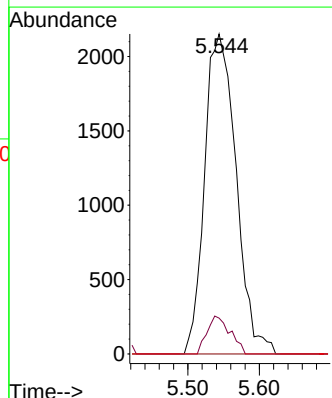
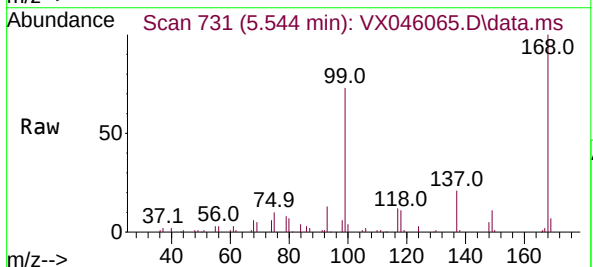
Instrument :
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PB167852ZHE#06

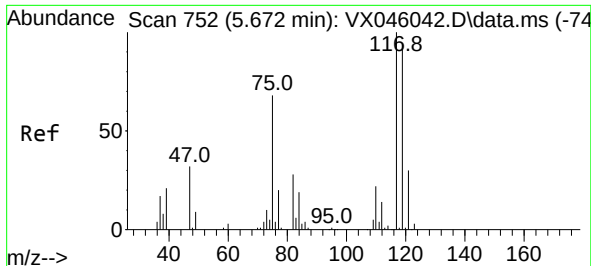
Tgt Ion:113 Resp: 46079
Ion Ratio Lower Upper
113 100
111 102.2 83.1 124.7
192 16.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.278 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046065.D
Acq: 06 May 2025 15:45

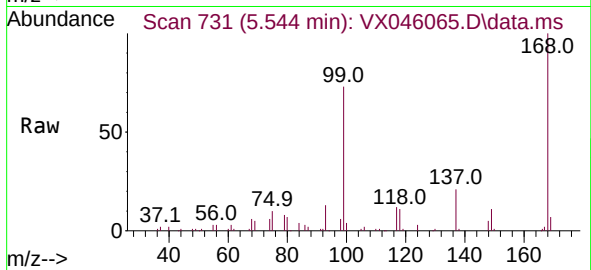
Tgt Ion: 75 Resp: 6572
Ion Ratio Lower Upper
75 100
110 8.7 16.3 48.9#
77 0.0 24.3 36.5#



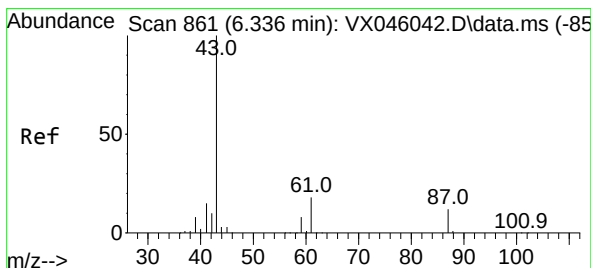
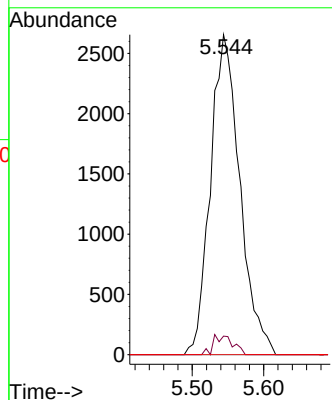
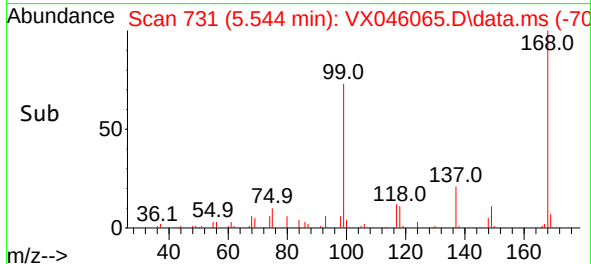


#38
Carbon Tetrachloride
Concen: 5.425 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046065.D
Acq: 06 May 2025 15:45

Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#06

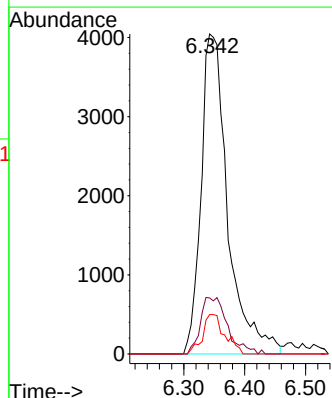
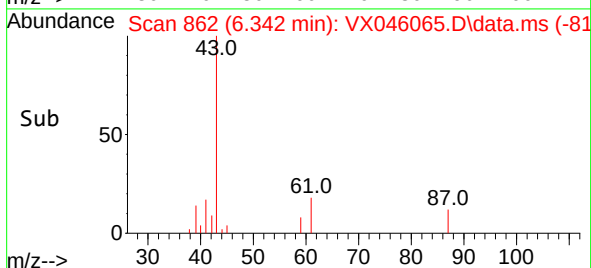
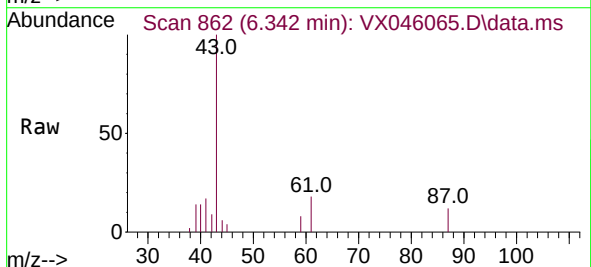


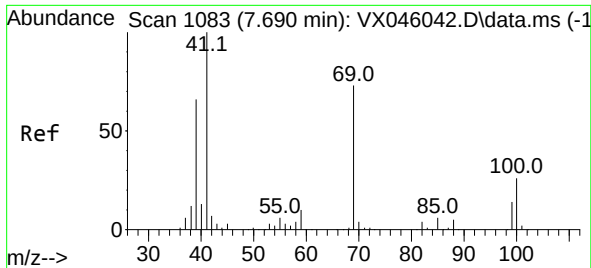
Tgt Ion:117 Resp: 7590
Ion Ratio Lower Upper
117 100
119 5.8 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 5.246 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX046065.D
Acq: 06 May 2025 15:45

Tgt Ion: 43 Resp: 12311
Ion Ratio Lower Upper
43 100
61 17.9 14.3 21.5
87 10.2 9.5 14.3

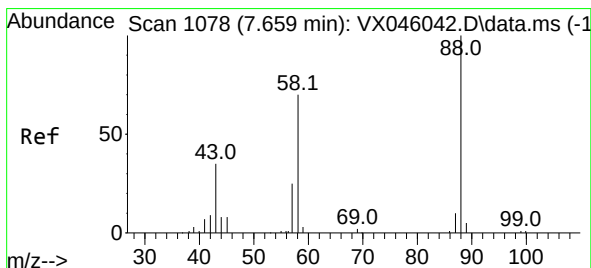
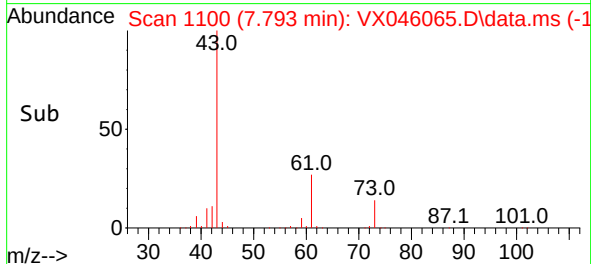
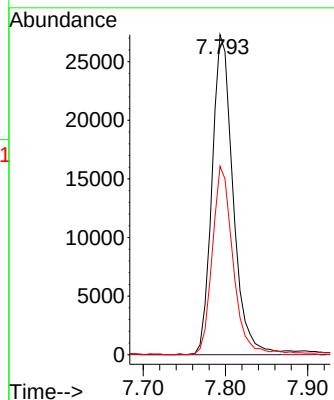
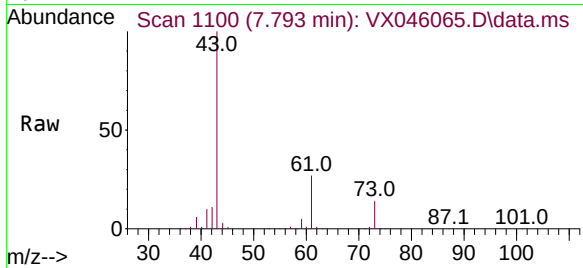




#48
Methyl methacrylate
Concen: 40.407 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046065.D
Acq: 06 May 2025 15:45

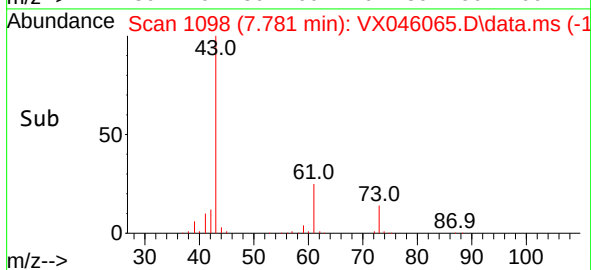
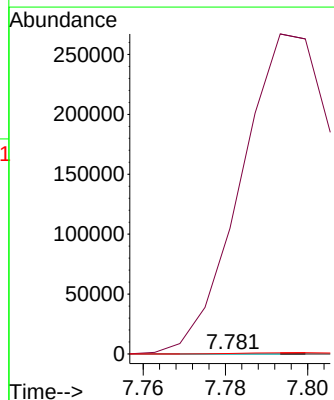
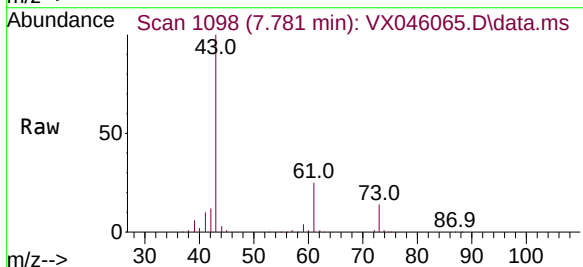
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#06

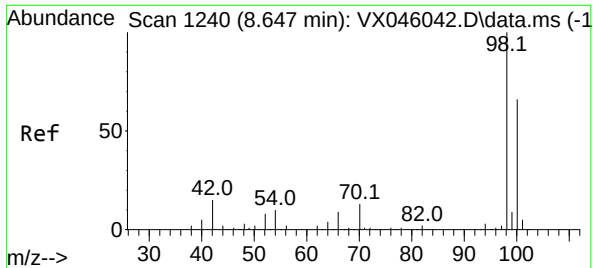
Tgt Ion: 41 Resp: 48428
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 58.6 51.7 77.5



#49
1,4-Dioxane
Concen: 1.230 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.122 min
Lab File: VX046065.D
Acq: 06 May 2025 15:45

Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
43 1711067.9 33.4 50.2#
58 7135.7 58.6 88.0#

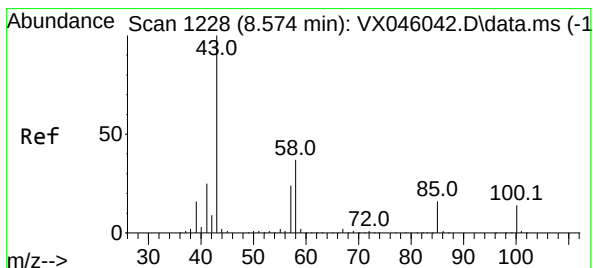
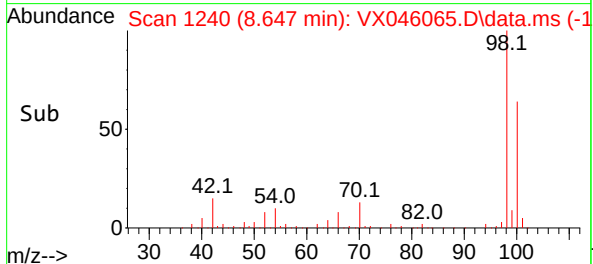
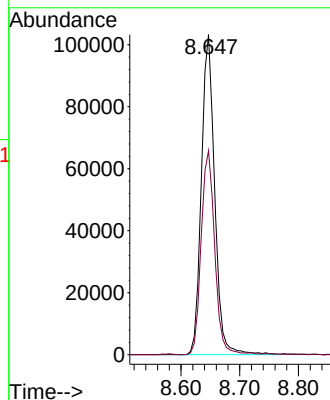
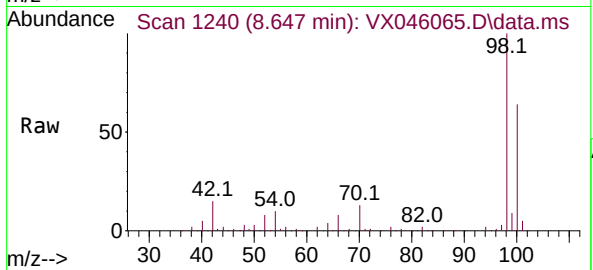




#50
Toluene-d8
Concen: 50.526 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046065.D
Acq: 06 May 2025 15:45

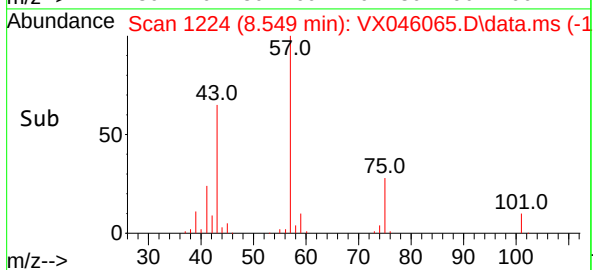
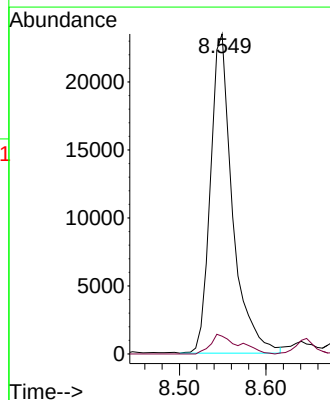
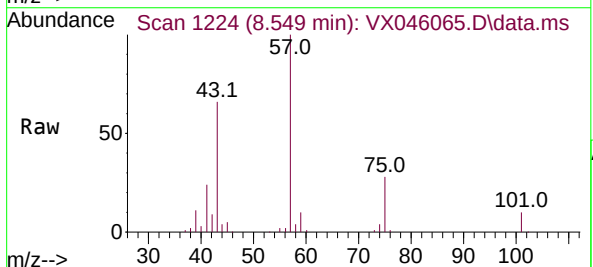
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#06

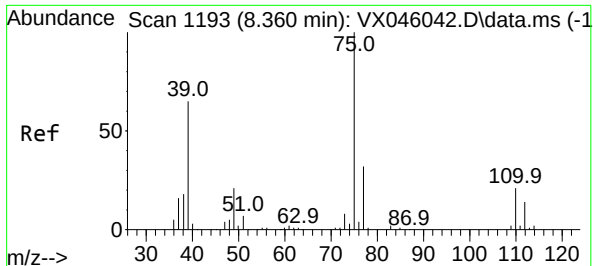
Tgt Ion: 98 Resp: 162055
Ion Ratio Lower Upper
98 100
100 65.0 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 26.647 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046065.D
Acq: 06 May 2025 15:45

Tgt Ion: 43 Resp: 41509
Ion Ratio Lower Upper
43 100
58 7.8 28.9 43.3#

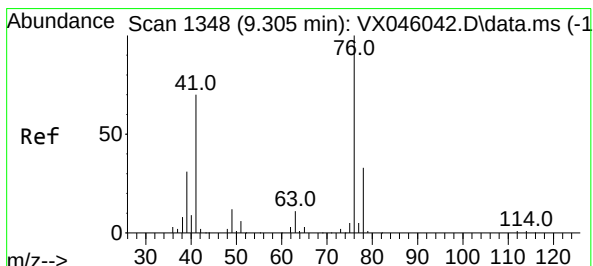
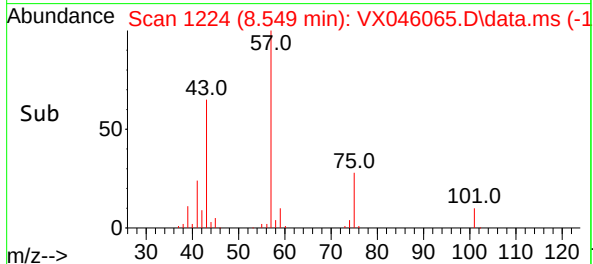
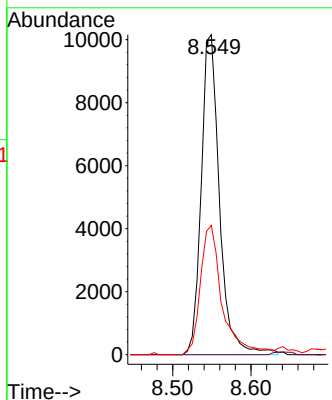
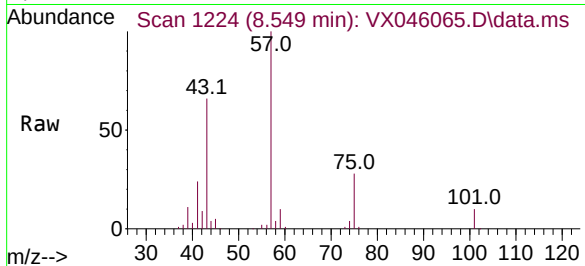




#54
 cis-1,3-Dichloropropene
 Concen: 11.897 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX046065.D
 Acq: 06 May 2025 15:45

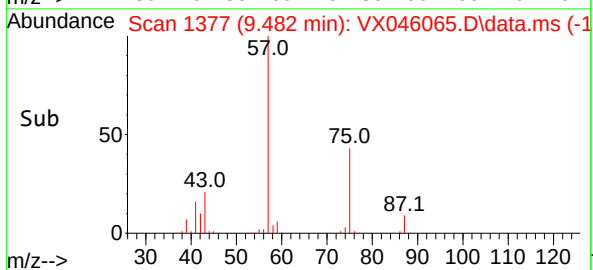
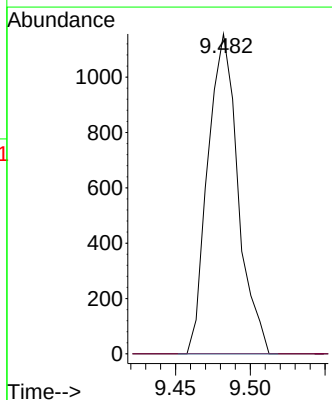
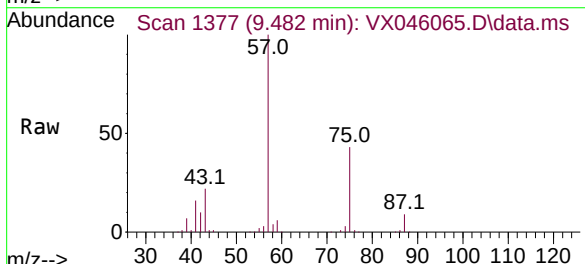
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167852ZHE#06

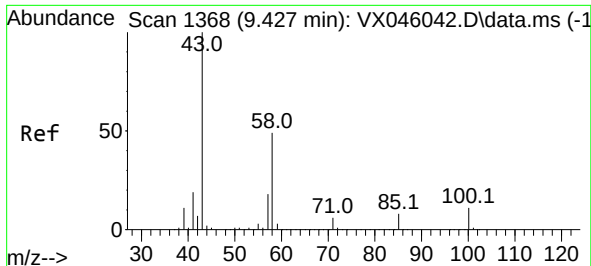
Tgt Ion: 75 Resp: 16464
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 40.4 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 1.029 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046065.D
 Acq: 06 May 2025 15:45

Tgt Ion: 76 Resp: 1629
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

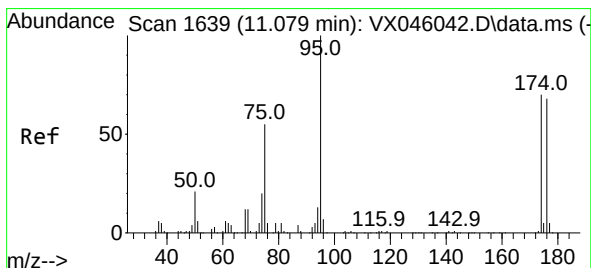
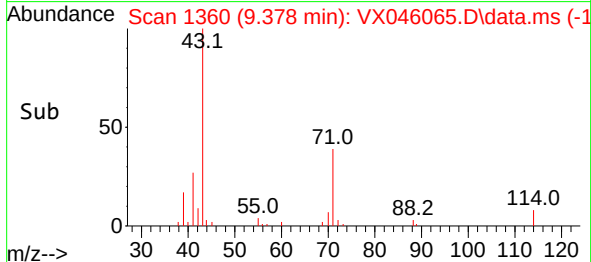
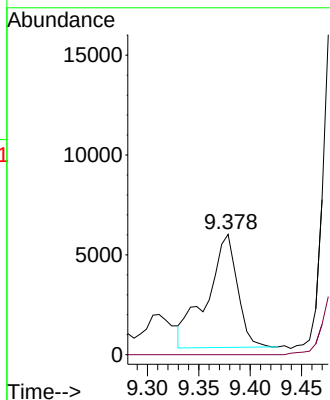
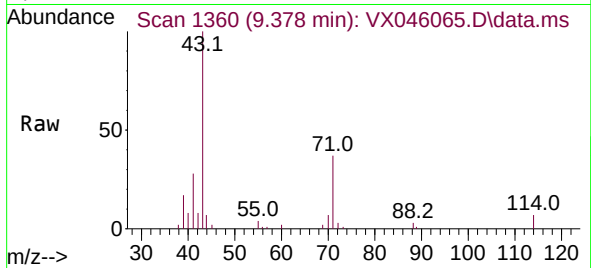




#59
2-Hexanone
Concen: 10.097 ug/l
RT: 9.378 min Scan# 11637
Delta R.T. -0.049 min
Lab File: VX046065.D
Acq: 06 May 2025 15:45

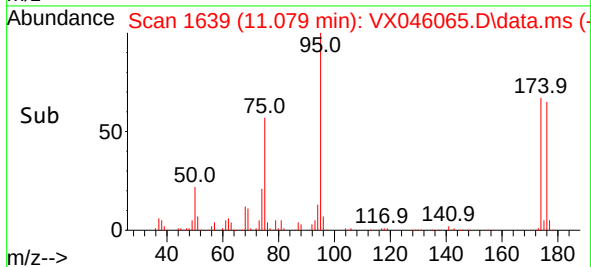
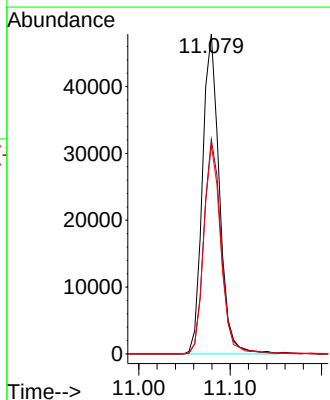
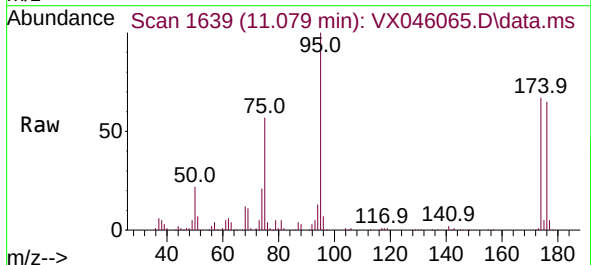
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#06

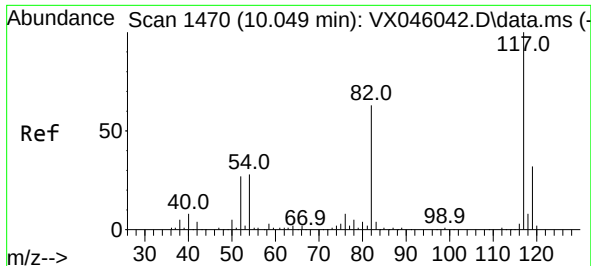
Tgt Ion: 43 Resp: 11637
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 49.917 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046065.D
Acq: 06 May 2025 15:45

Tgt Ion: 95 Resp: 61413
Ion Ratio Lower Upper
95 100
174 68.8 0.0 135.8
176 66.1 0.0 131.4

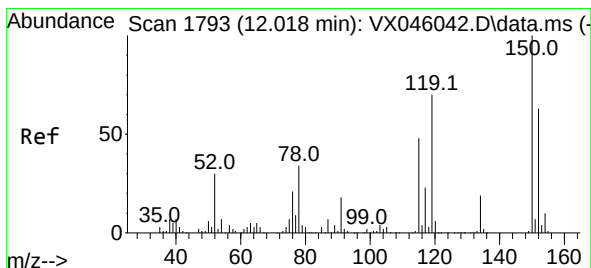
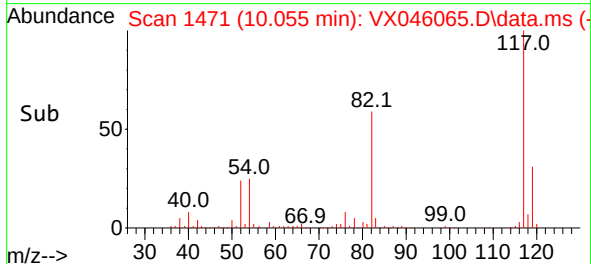
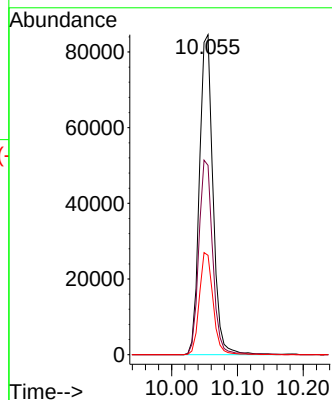
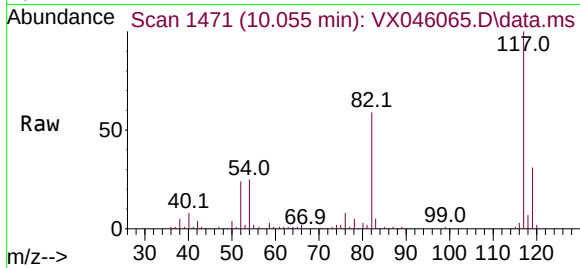




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046065.D
Acq: 06 May 2025 15:45

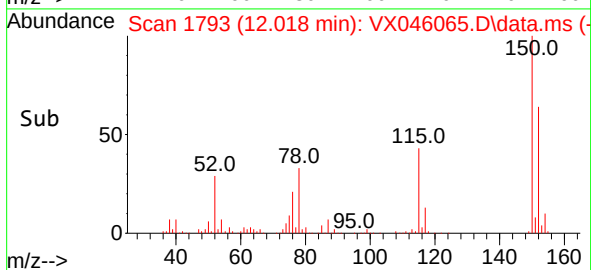
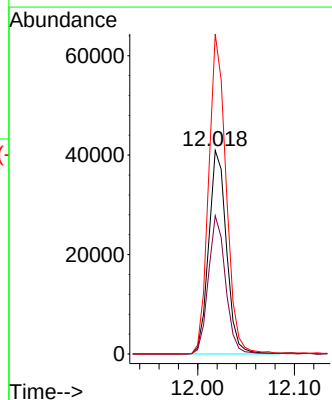
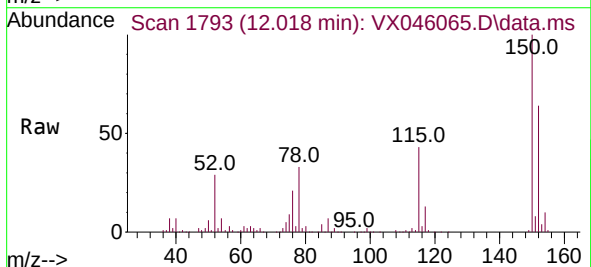
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#06

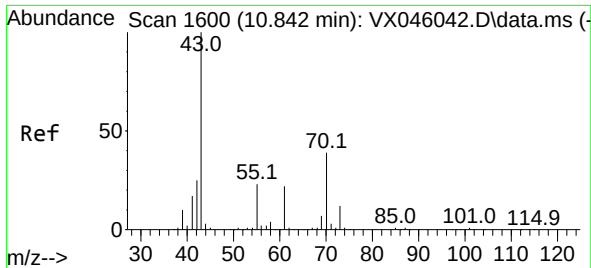
Tgt Ion:117 Resp: 120926
Ion Ratio Lower Upper
117 100
82 59.1 50.6 76.0
119 31.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046065.D
Acq: 06 May 2025 15:45

Tgt Ion:152 Resp: 52381
Ion Ratio Lower Upper
152 100
115 65.7 46.9 140.7
150 154.8 0.0 351.0

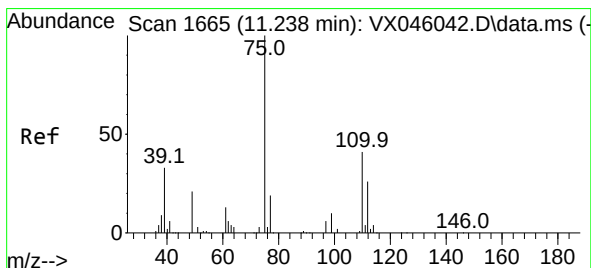
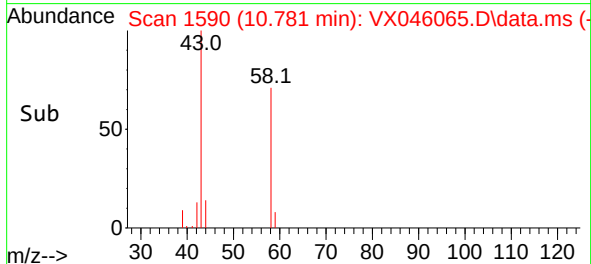
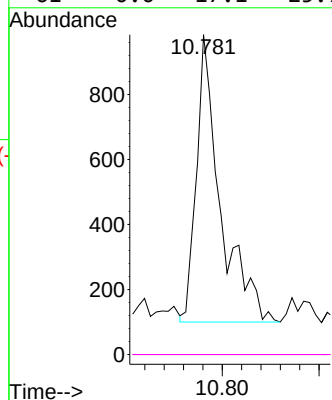
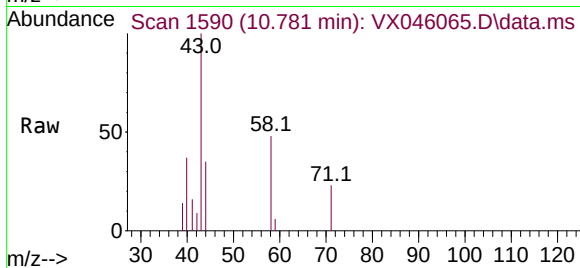




#74
N-amy1 acetate
Concen: 0.754 ug/l
RT: 10.781 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX046065.D
Acq: 06 May 2025 15:45

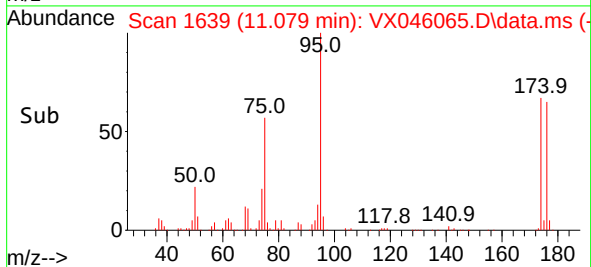
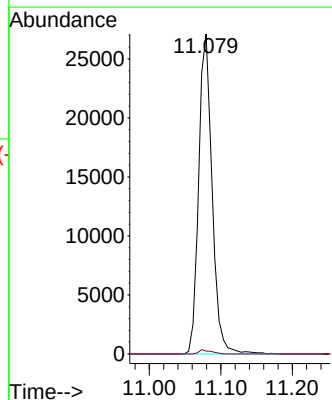
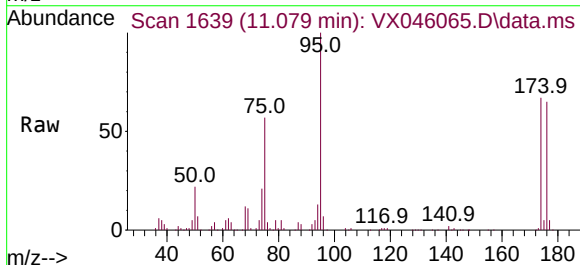
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#06

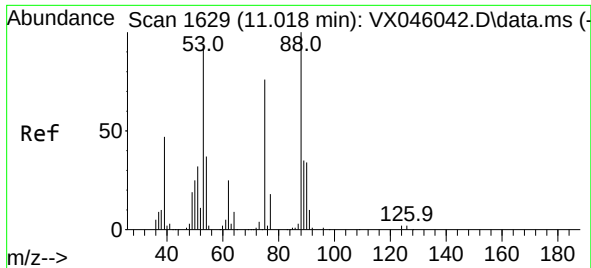
Tgt Ion: 43	Resp:	1520
Ion	Ratio	Lower Upper
43	100	
70	0.0	30.9 46.3#
55	0.0	18.7 28.1#
61	0.0	17.1 25.7#



#76
1,2,3-Trichloropropane
Concen: 28.003 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046065.D
Acq: 06 May 2025 15:45

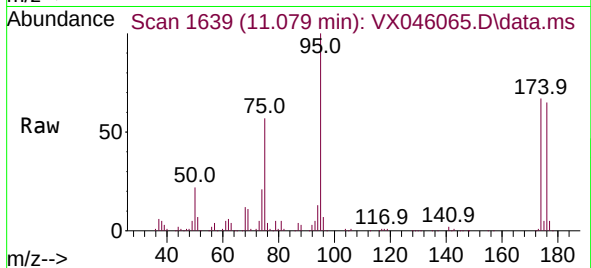
Tgt Ion: 75	Resp:	35307
Ion	Ratio	Lower Upper
75	100	
77	1.2	20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.168 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046065.D
 Acq: 06 May 2025 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167852ZHE#06



Tgt Ion: 75 Resp: 35307
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

