

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042225\
 Data File : VX045883.D
 Acq On : 22 Apr 2025 14:30
 Operator : JC/MD
 Sample : PB167661ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167661ZHE#04

Quant Time: Apr 23 01:34:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

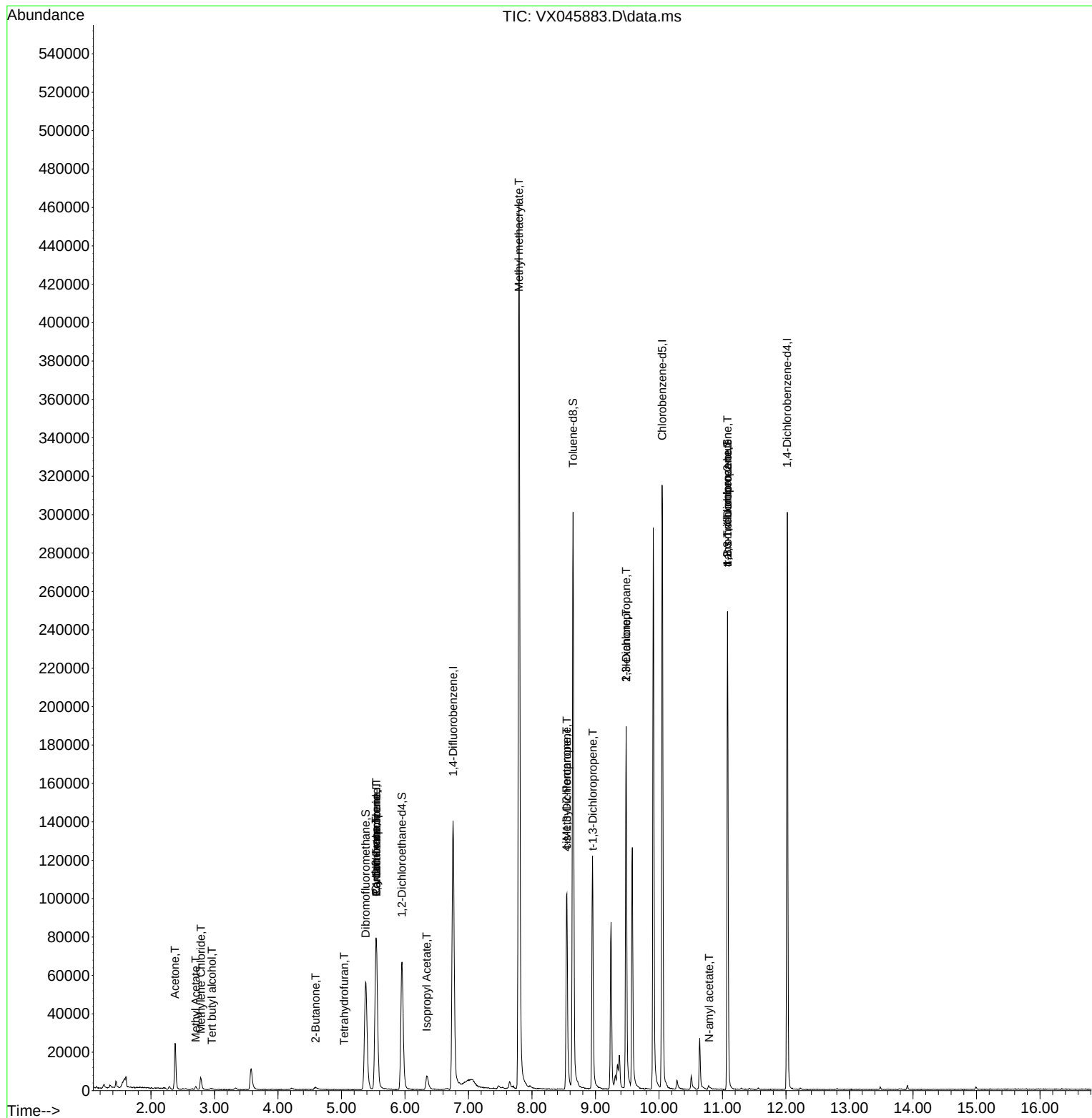
Internal Standards						
1) Pentafluorobenzene	5.550	168	67860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	137683	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68504	55.201	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.400%
35) Dibromofluoromethane	5.379	113	48641	49.793	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.580%
50) Toluene-d8	8.647	98	168910	49.539	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.080%
62) 4-Bromofluorobenzene	11.079	95	64796	52.172	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.340%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	428	2.566	ug/l #	84
16) Acetone	2.380	43	26293	51.597	ug/l	99
18) Methyl Acetate	2.703	43	2006	1.710	ug/l	95
20) Methylene Chloride	2.788	84	2867	3.005	ug/l	93
25) 2-Butanone	4.593	43	2575	3.452	ug/l	94
29) Tetrahydrofuran	5.044	42	114	0.236	ug/l #	51
31) Cyclohexane	5.544	56	2054	1.349	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	6990	5.300	ug/l #	51
38) Carbon Tetrachloride	5.550	117	8008	5.618	ug/l #	14
43) Isopropyl Acetate	6.342	43	11686	4.639	ug/l	97
48) Methyl methacrylate	7.793	41	46113	35.452	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	41552	24.881	ug/l #	52
53) t-1,3-Dichloropropene	8.958	75	228	2.436	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	15806	10.916	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	1555	0.919	ug/l #	42
59) 2-Hexanone	9.482	43	25030	20.239	ug/l #	55
74) N-amyl acetate	10.787	43	1178	0.563	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	37874	28.455	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37874	96.572	ug/l #	1

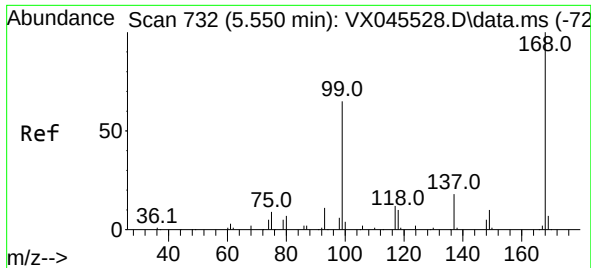
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042225\
Data File : VX045883.D
Acq On : 22 Apr 2025 14:30
Operator : JC/MD
Sample : PB167661ZHE#04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#04

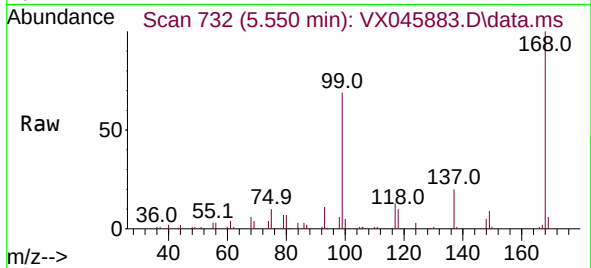
Quant Time: Apr 23 01:34:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



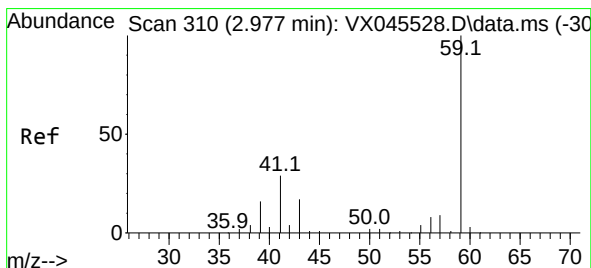
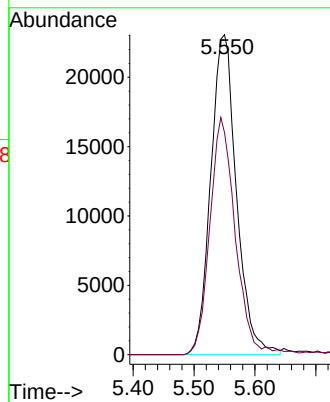
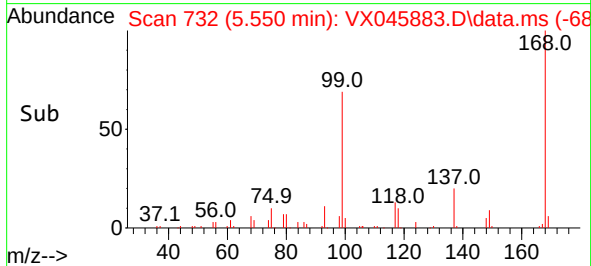


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045883.D
Acq: 22 Apr 2025 14:30

Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#04

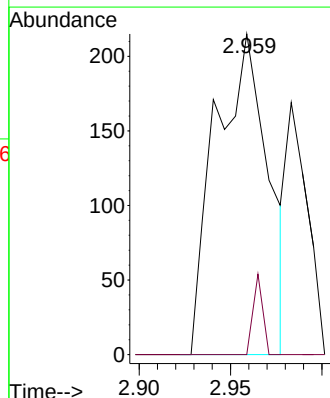
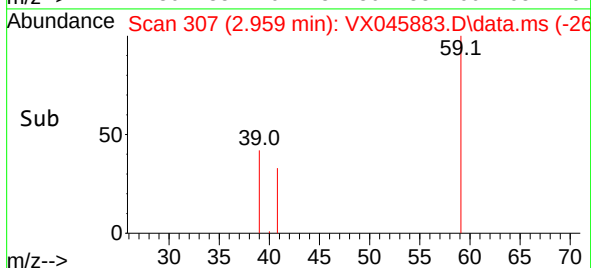
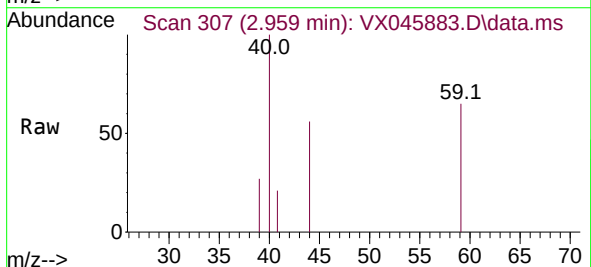


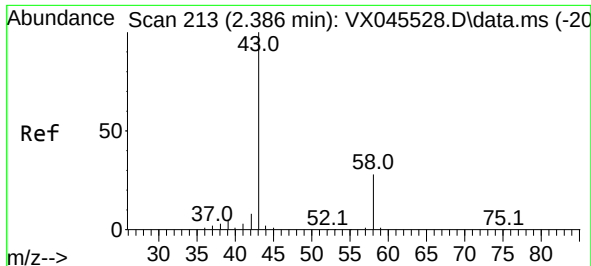
Tgt Ion:168 Resp: 67860
Ion Ratio Lower Upper
168 100
99 69.4 52.3 78.5



#11
Tert butyl alcohol
Concen: 2.566 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX045883.D
Acq: 22 Apr 2025 14:30

Tgt Ion: 59 Resp: 428
Ion Ratio Lower Upper
59 100
57 4.7 8.6 12.8#

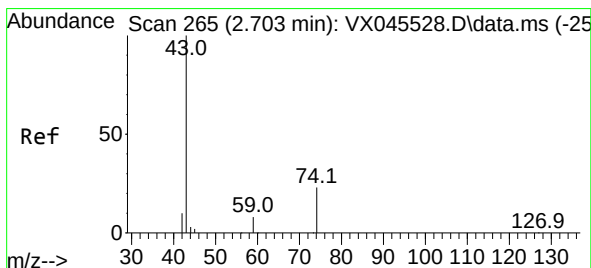
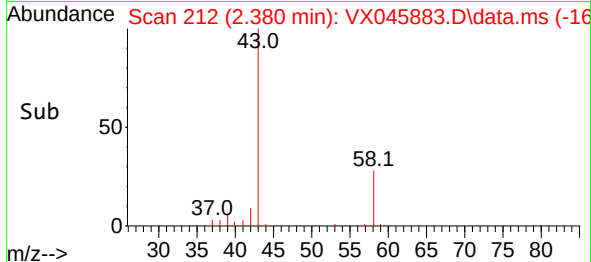
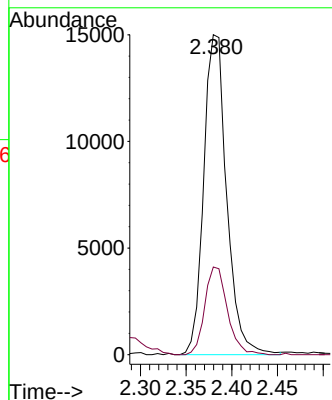
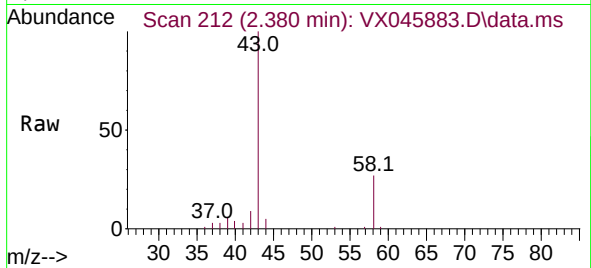




#16
Acetone
Concen: 51.597 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045883.D
Acq: 22 Apr 2025 14:30

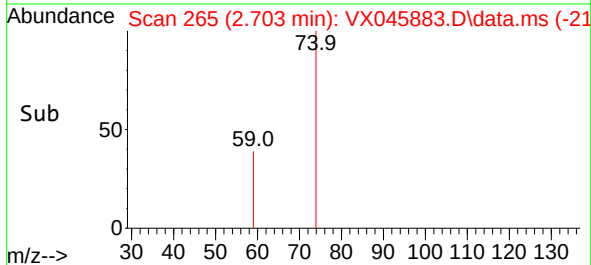
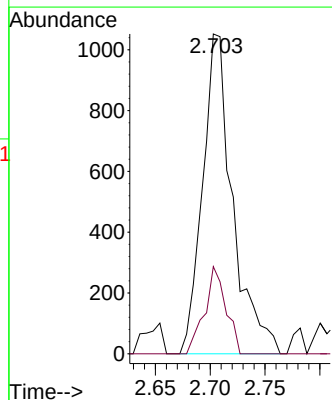
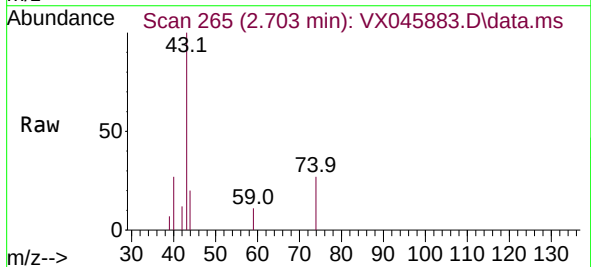
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#04

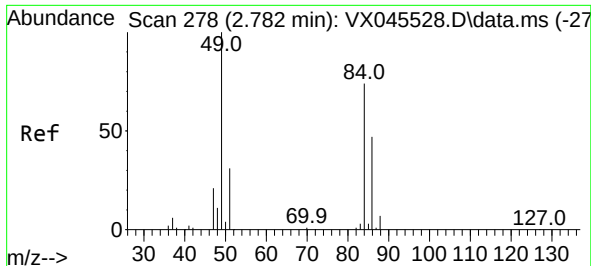
Tgt Ion: 43 Resp: 26293
Ion Ratio Lower Upper
43 100
58 27.4 22.3 33.5



#18
Methyl Acetate
Concen: 1.710 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045883.D
Acq: 22 Apr 2025 14:30

Tgt Ion: 43 Resp: 2006
Ion Ratio Lower Upper
43 100
74 19.3 17.5 26.3

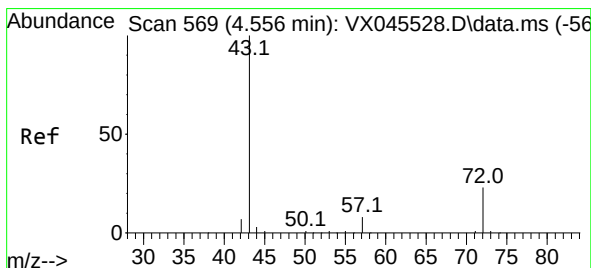
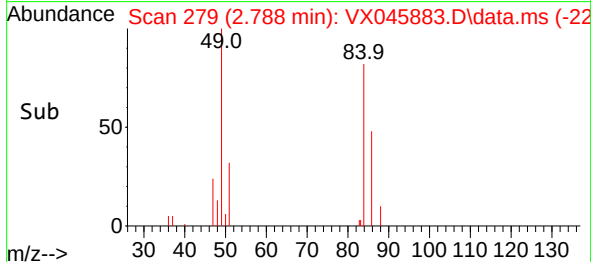
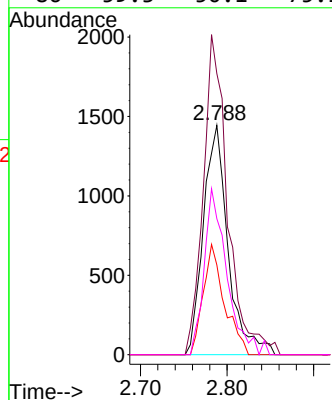
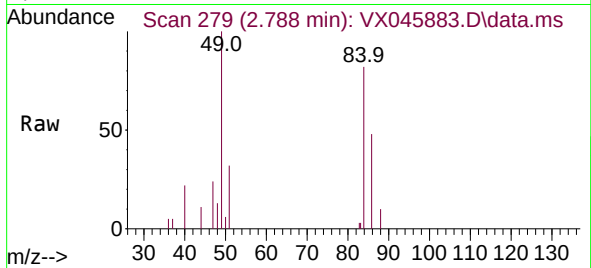




#20
Methylene Chloride
Concen: 3.005 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045883.D
Acq: 22 Apr 2025 14:30

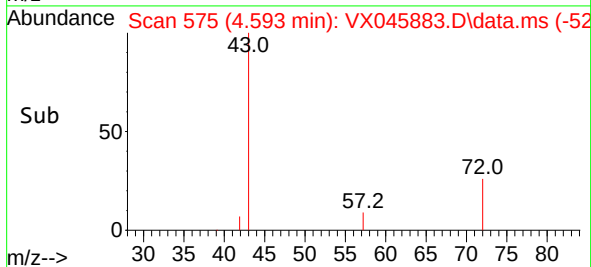
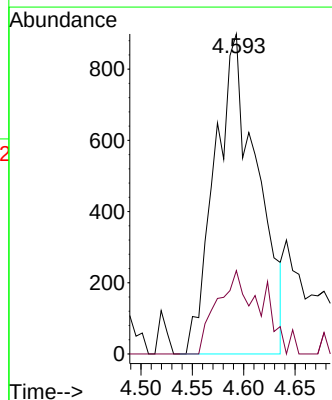
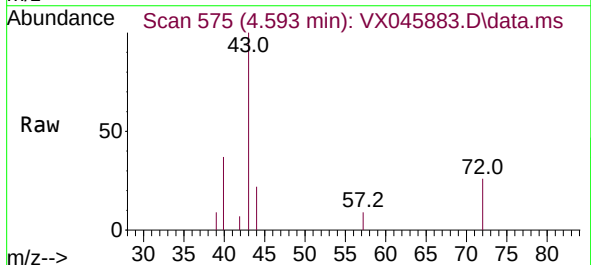
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#04

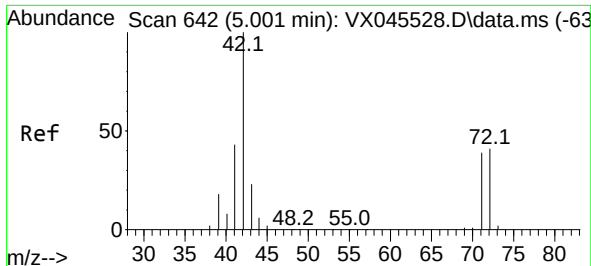
Tgt Ion:	84	Resp:	2867
Ion	Ratio	Lower	Upper
84	100		
49	122.6	107.5	161.3
51	39.2	33.0	49.6
86	59.3	50.1	75.1



#25
2-Butanone
Concen: 3.452 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX045883.D
Acq: 22 Apr 2025 14:30

Tgt Ion:	43	Resp:	2575
Ion	Ratio	Lower	Upper
43	100		
72	26.0	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.236 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.043 min

Lab File: VX045883.D

Acq: 22 Apr 2025 14:30

Instrument :

MSVOA_X

ClientSampleId :

PB167661ZHE#04

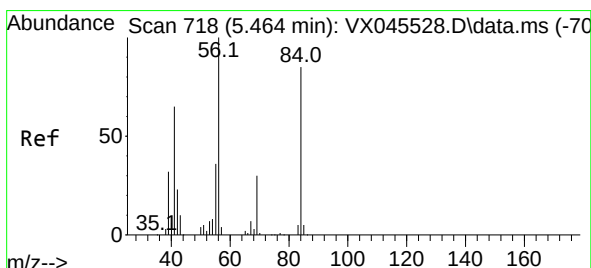
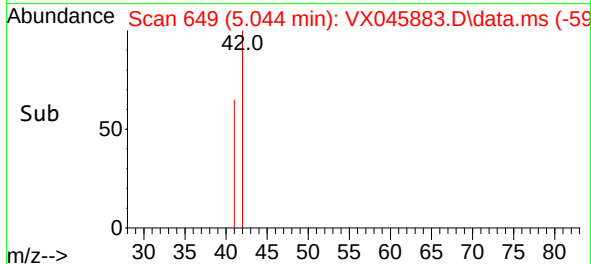
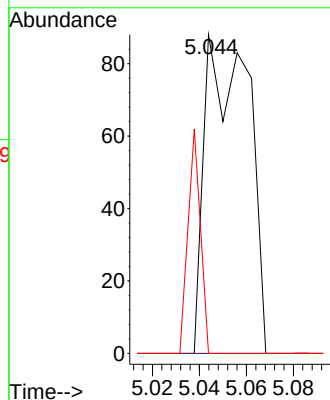
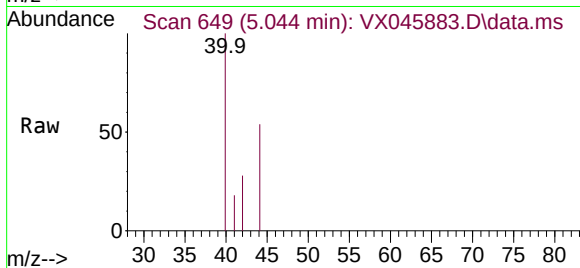
Tgt Ion: 42 Resp: 114

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 20.2 31.4 47.0#



#31

Cyclohexane

Concen: 1.349 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045883.D

Acq: 22 Apr 2025 14:30

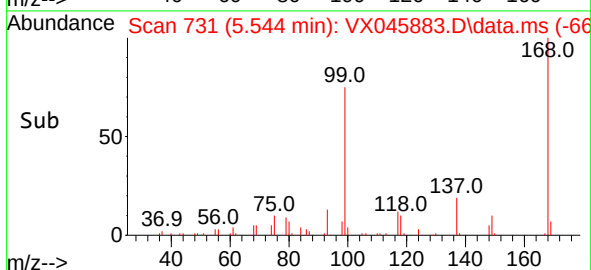
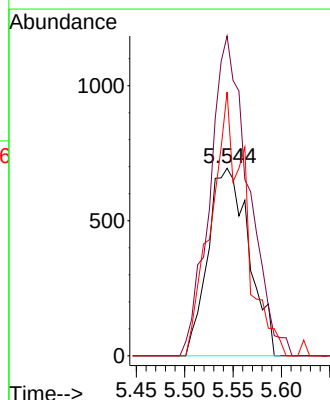
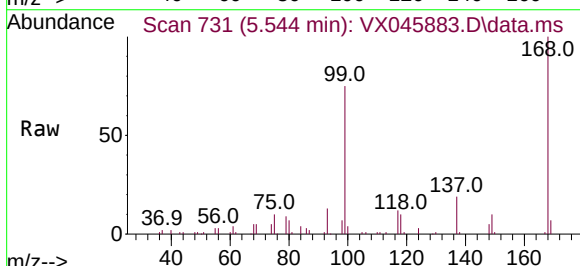
Tgt Ion: 56 Resp: 2054

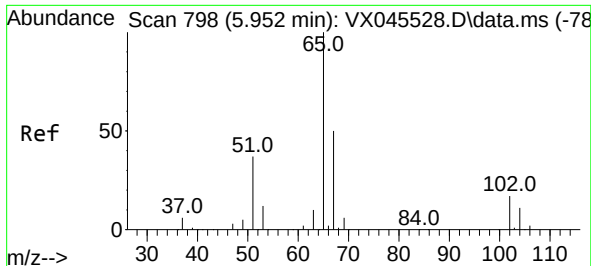
Ion Ratio Lower Upper

56 100

69 170.6 23.6 35.4#

84 140.8 67.7 101.5#





#33

1,2-Dichloroethane-d4

Concen: 55.201 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045883.D

Acq: 22 Apr 2025 14:30

Instrument :

MSVOA_X

ClientSampleId :

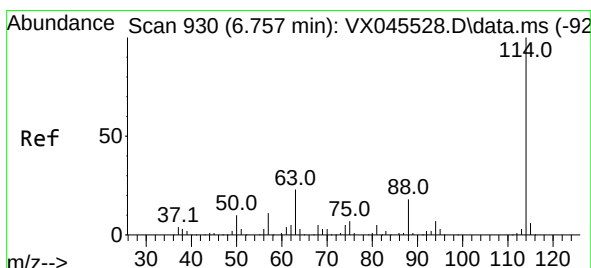
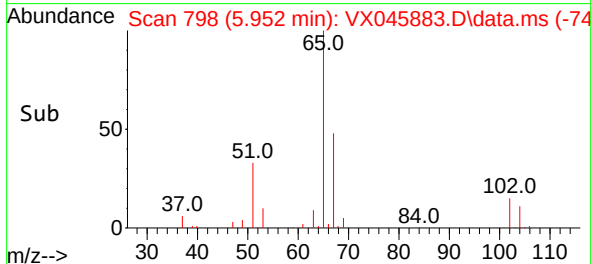
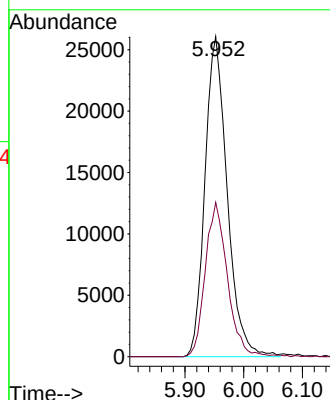
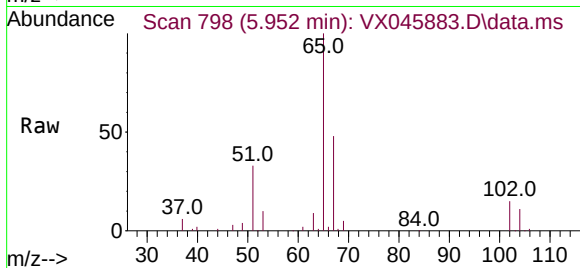
PB167661ZHE#04

Tgt Ion: 65 Resp: 68504

Ion Ratio Lower Upper

65 100

67 47.8 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: VX045883.D

Acq: 22 Apr 2025 14:30

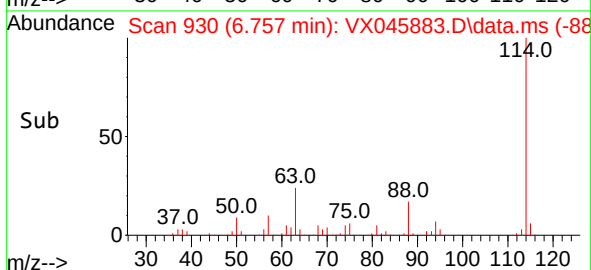
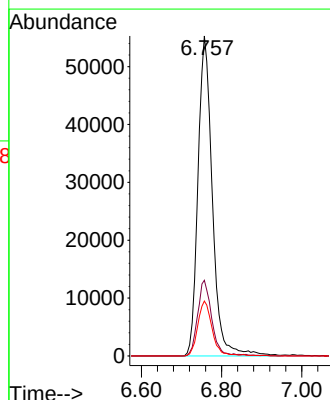
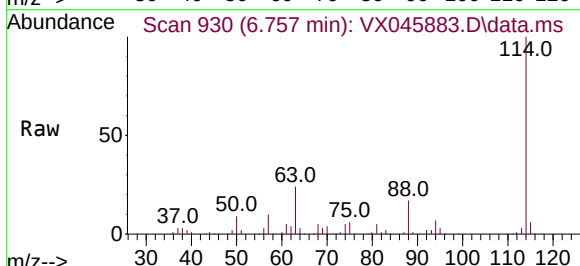
Tgt Ion: 114 Resp: 137683

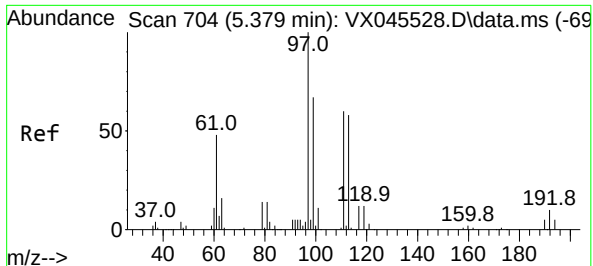
Ion Ratio Lower Upper

114 100

63 23.7 0.0 46.8

88 17.1 0.0 35.4





#35

Dibromofluoromethane

Concen: 49.793 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX045883.D

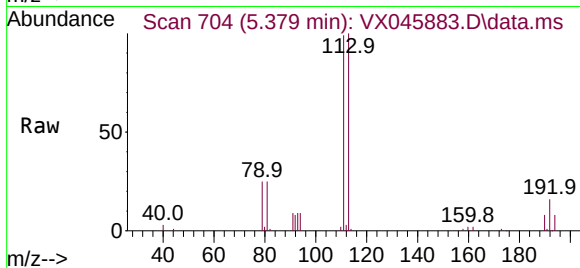
Acq: 22 Apr 2025 14:30

Instrument :

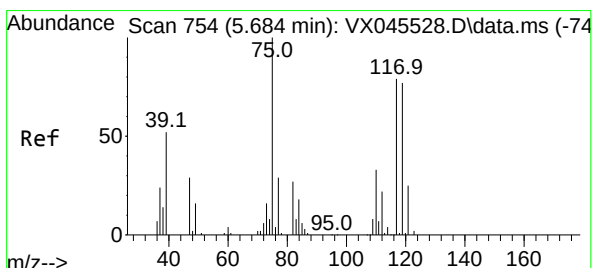
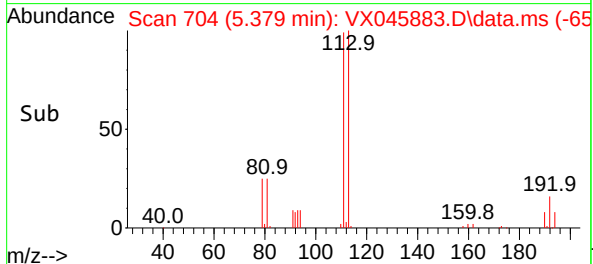
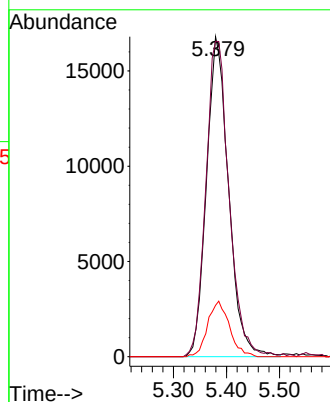
MSVOA_X

ClientSampleId :

PB167661ZHE#04



Tgt Ion:	113	Resp:	48641
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.6
192	17.1	13.8	20.6



#36

1,1-Dichloropropene

Concen: 5.300 ug/l

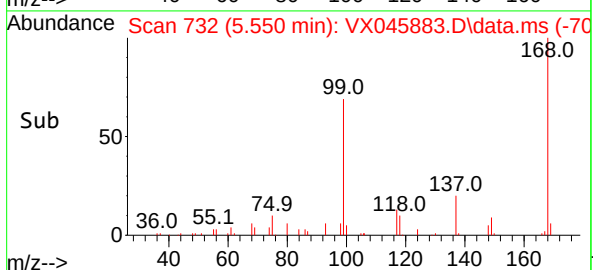
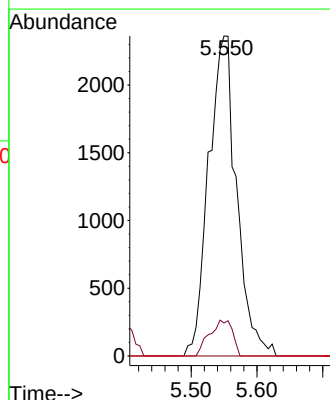
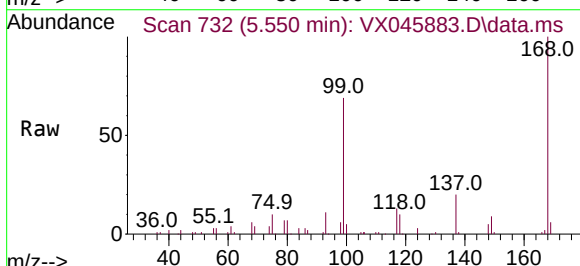
RT: 5.550 min Scan# 732

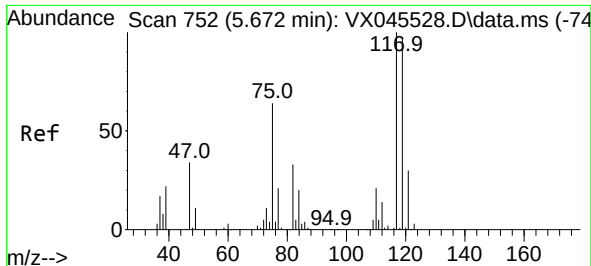
Delta R.T. -0.134 min

Lab File: VX045883.D

Acq: 22 Apr 2025 14:30

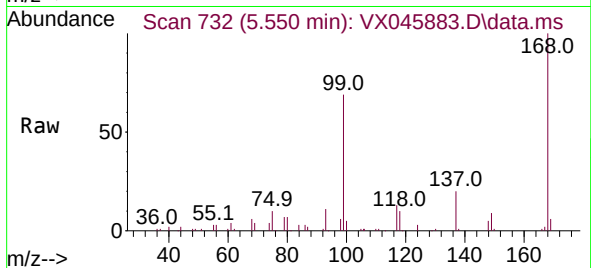
Tgt Ion:	75	Resp:	6990
Ion	Ratio	Lower	Upper
75	100		
110	9.2	16.9	50.6#
77	0.0	25.0	37.4#



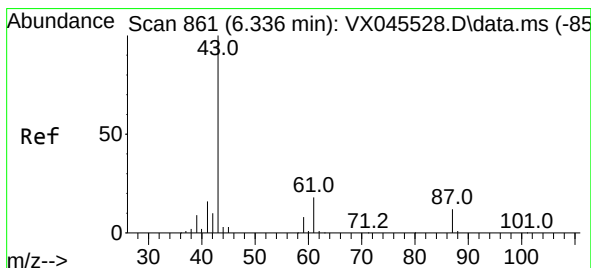
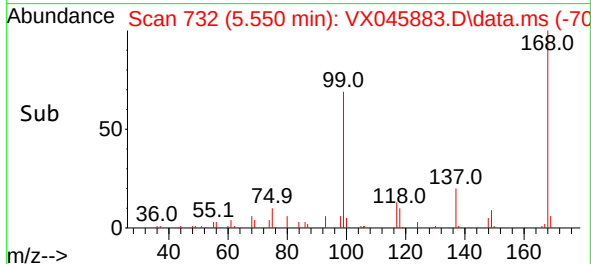
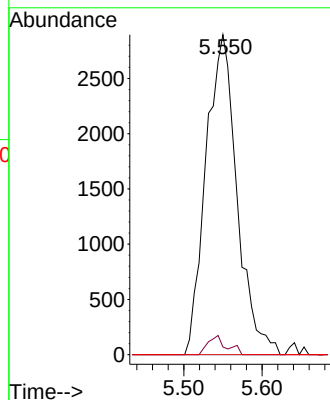


#38
Carbon Tetrachloride
Concen: 5.618 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045883.D
Acq: 22 Apr 2025 14:30

Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#04

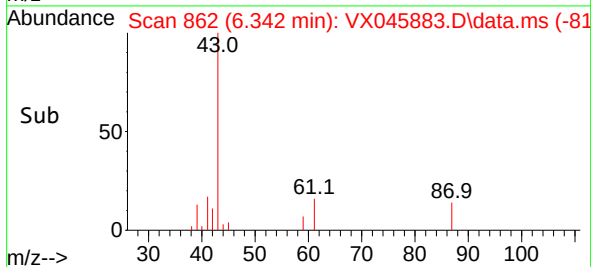
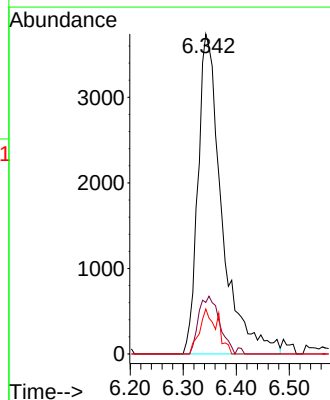
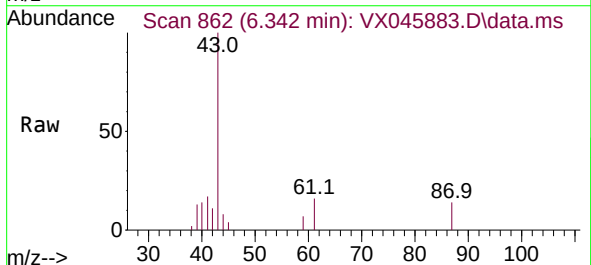


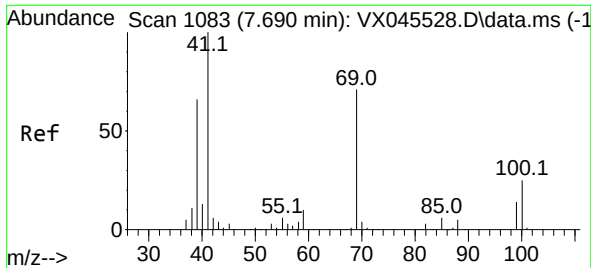
Tgt Ion: 117 Resp: 8008
Ion Ratio Lower Upper
117 100
119 2.4 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.639 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045883.D
Acq: 22 Apr 2025 14:30

Tgt Ion: 43 Resp: 11686
Ion Ratio Lower Upper
43 100
61 15.7 14.1 21.1
87 10.6 9.2 13.8

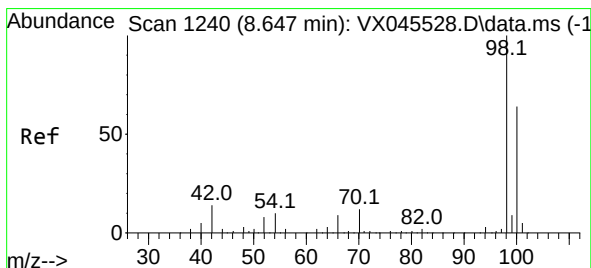
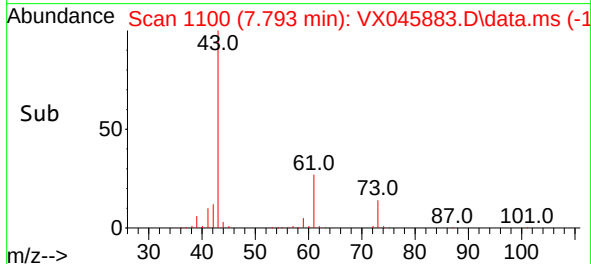
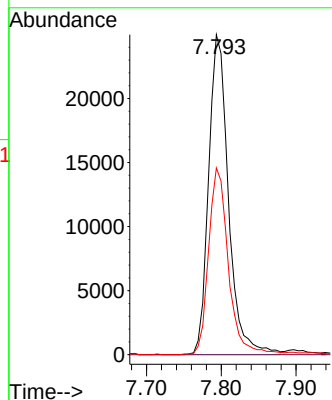
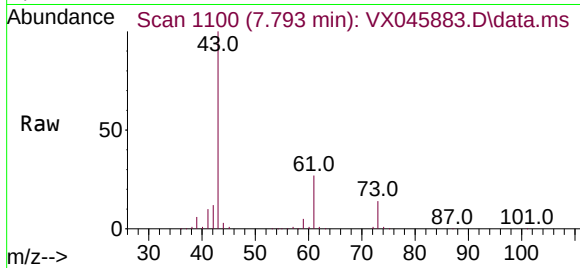




#48
Methyl methacrylate
Concen: 35.452 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045883.D
Acq: 22 Apr 2025 14:30

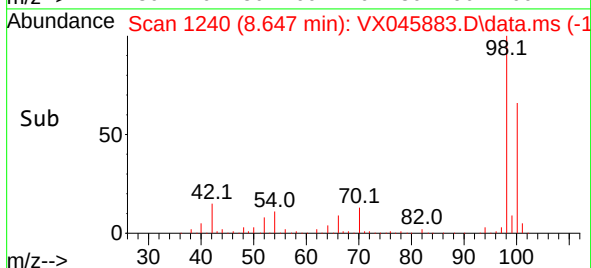
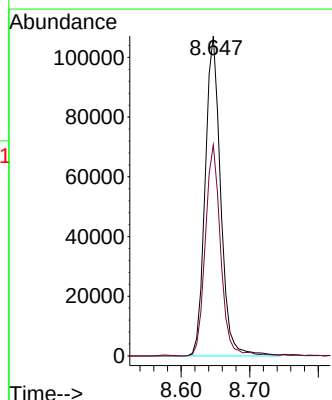
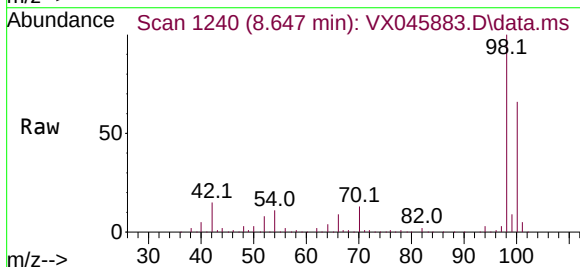
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#04

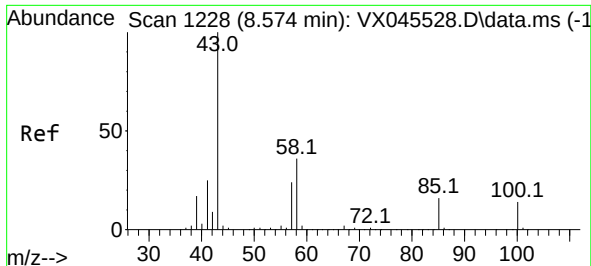
Tgt Ion: 41 Resp: 46113
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.3 53.6 80.4



#50
Toluene-d8
Concen: 49.539 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045883.D
Acq: 22 Apr 2025 14:30

Tgt Ion: 98 Resp: 168910
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4

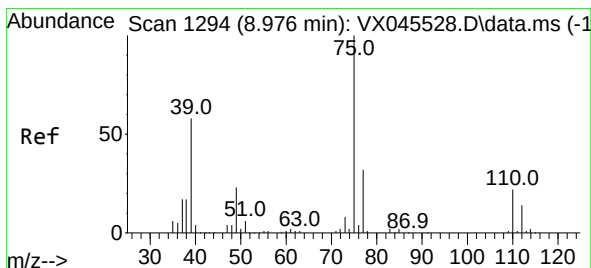
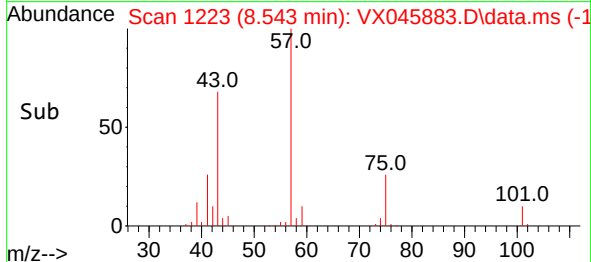
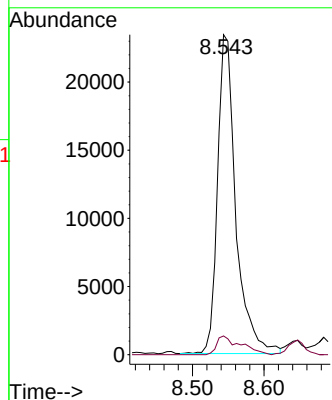
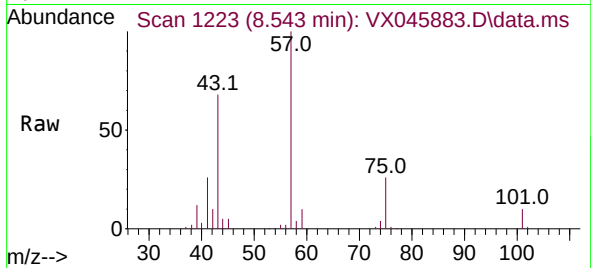




#51
4-Methyl-2-Pentanone
Concen: 24.881 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX045883.D
Acq: 22 Apr 2025 14:30

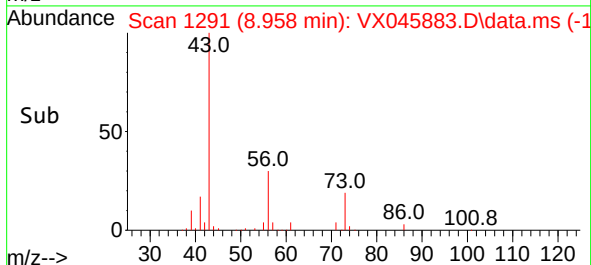
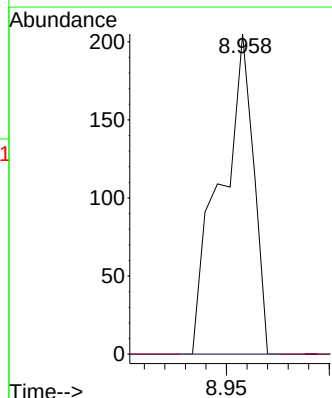
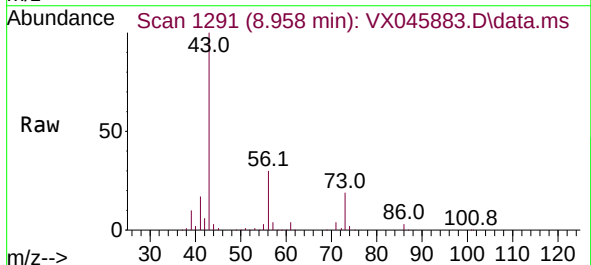
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#04

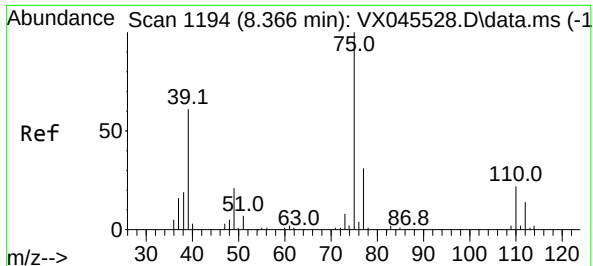
Tgt Ion: 43 Resp: 41552
Ion Ratio Lower Upper
43 100
58 7.7 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.436 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX045883.D
Acq: 22 Apr 2025 14:30

Tgt Ion: 75 Resp: 228
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

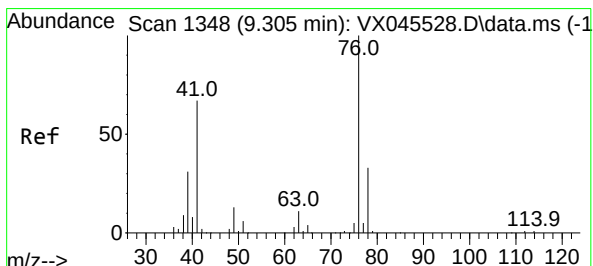
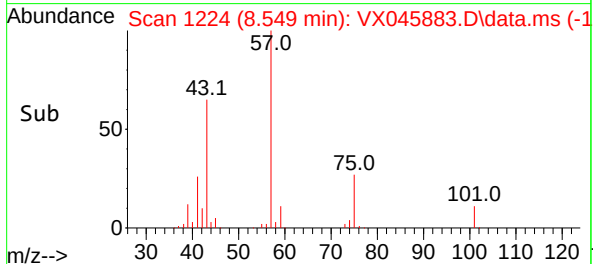
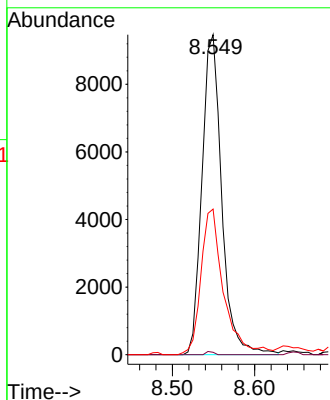
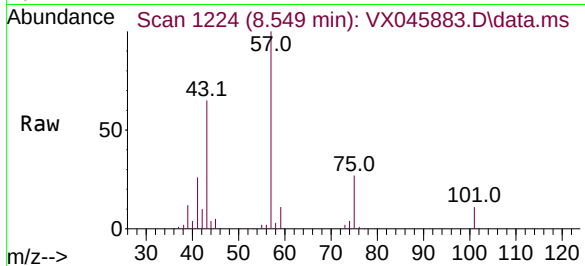




#54
 cis-1,3-Dichloropropene
 Concen: 10.916 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045883.D
 Acq: 22 Apr 2025 14:30

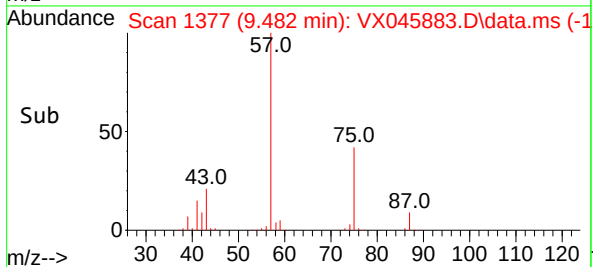
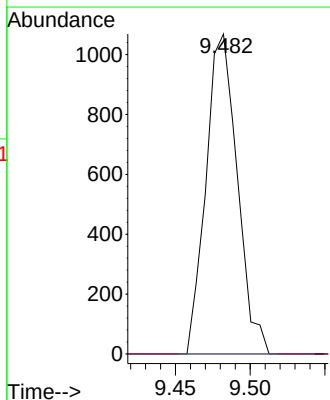
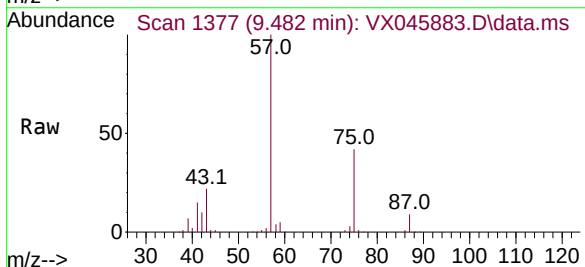
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167661ZHE#04

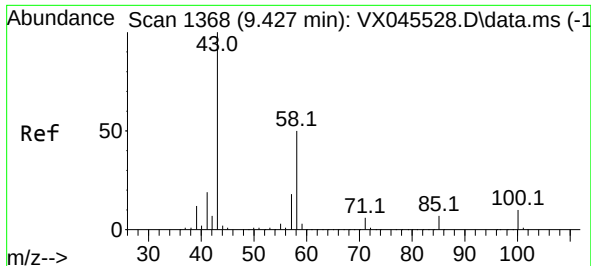
Tgt Ion: 75 Resp: 15806
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.6 36.8#
 39 45.5 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.919 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045883.D
 Acq: 22 Apr 2025 14:30

Tgt Ion: 76 Resp: 1555
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 20.239 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.055 min

Lab File: VX045883.D

Acq: 22 Apr 2025 14:30

Instrument :

MSVOA_X

ClientSampleId :

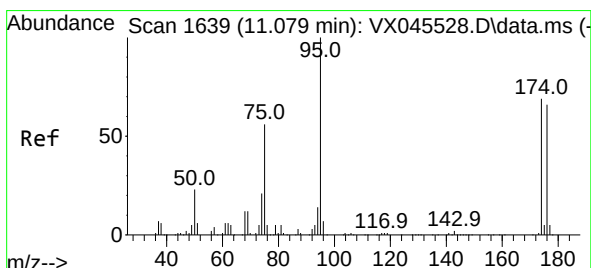
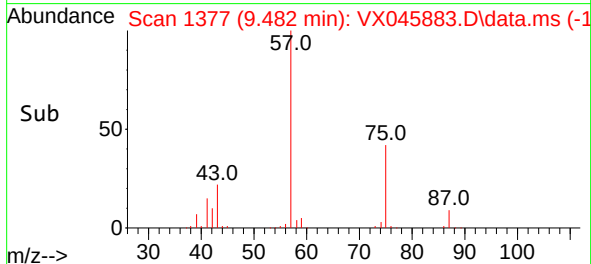
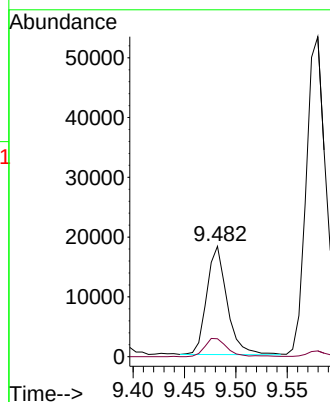
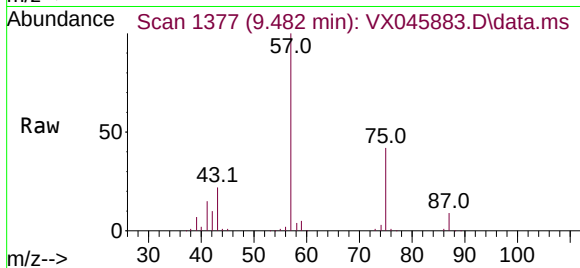
PB167661ZHE#04

Tgt Ion: 43 Resp: 25030

Ion Ratio Lower Upper

43 100

58 18.9 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 52.172 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX045883.D

Acq: 22 Apr 2025 14:30

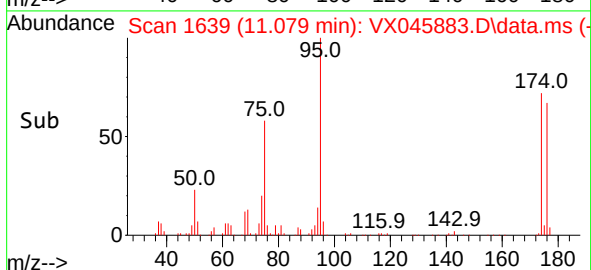
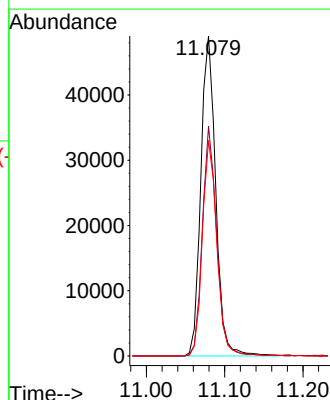
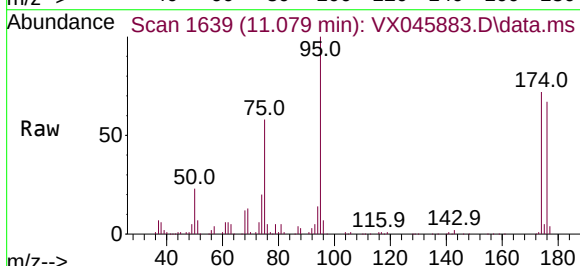
Tgt Ion: 95 Resp: 64796

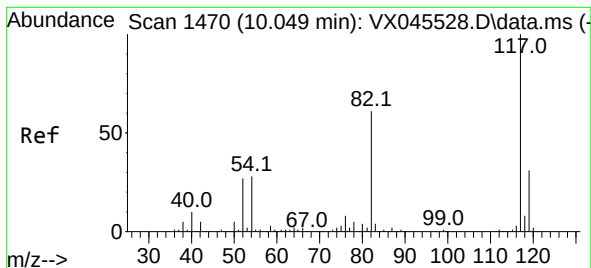
Ion Ratio Lower Upper

95 100

174 68.9 0.0 135.8

176 65.4 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: VX045883.D

Acq: 22 Apr 2025 14:30

Instrument :

MSVOA_X

ClientSampleId :

PB167661ZHE#04

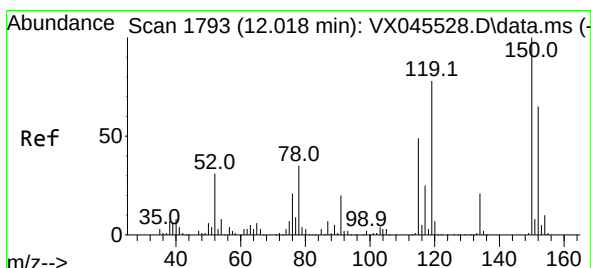
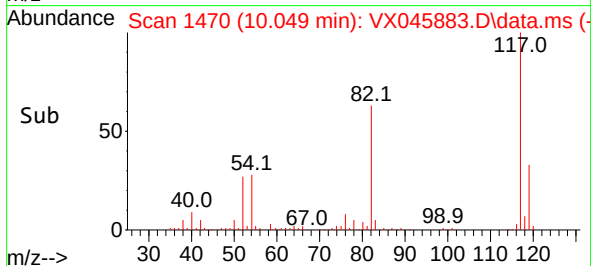
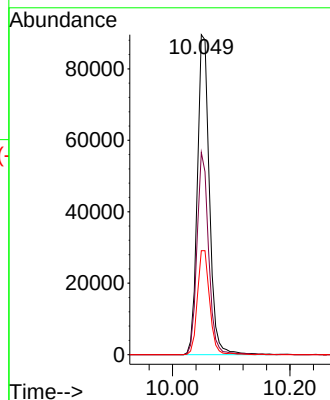
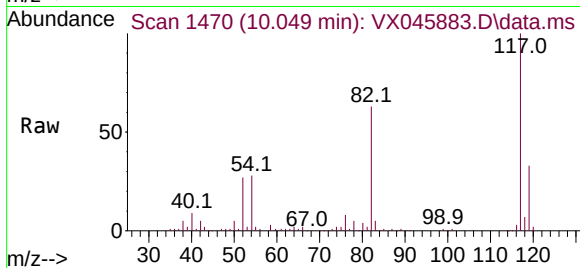
Tgt Ion:117 Resp: 127268

Ion Ratio Lower Upper

117 100

82 63.2 49.2 73.8

119 32.5 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX045883.D

Acq: 22 Apr 2025 14:30

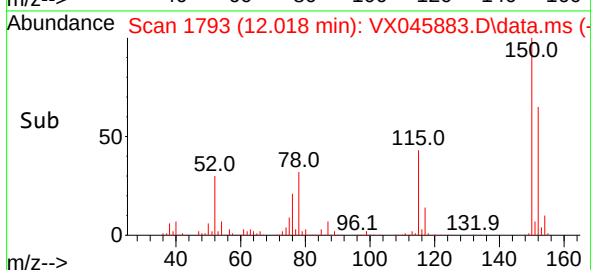
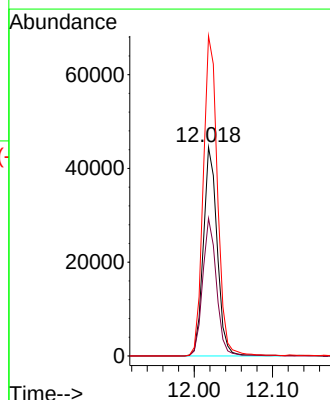
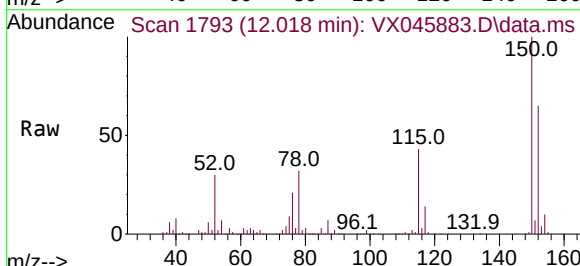
Tgt Ion:152 Resp: 54567

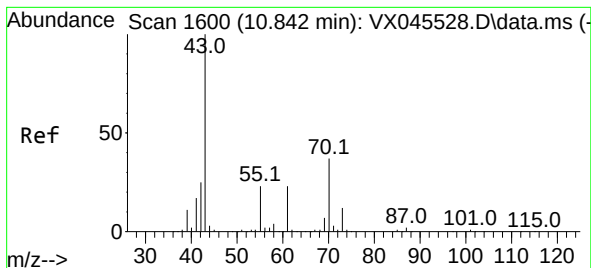
Ion Ratio Lower Upper

152 100

115 65.8 46.9 140.7

150 158.0 0.0 349.4





#74

N-amy1 acetate

Concen: 0.563 ug/l

RT: 10.787 min Scan# 1

Delta R.T. -0.055 min

Lab File: VX045883.D

Acq: 22 Apr 2025 14:30

Instrument :

MSVOA_X

ClientSampleId :

PB167661ZHE#04

Tgt Ion: 43 Resp: 1178

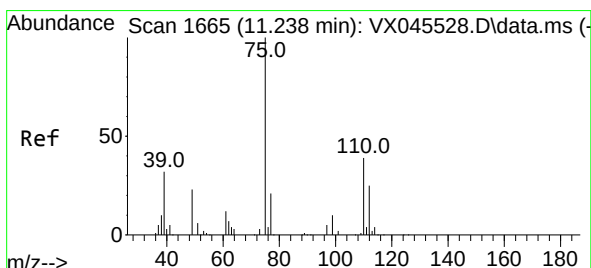
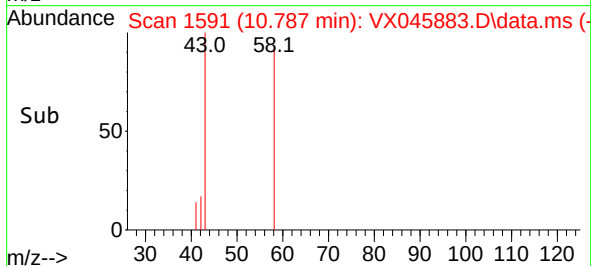
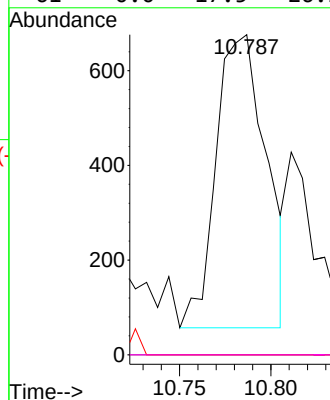
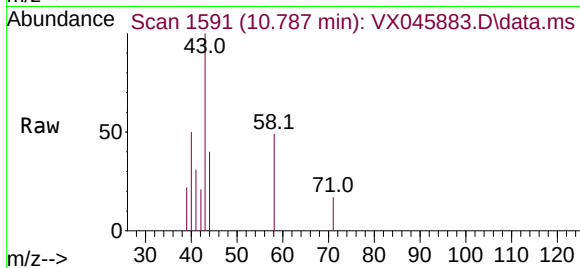
Ion Ratio Lower Upper

43 100

70 0.0 30.1 45.1#

55 0.0 18.3 27.5#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 28.455 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045883.D

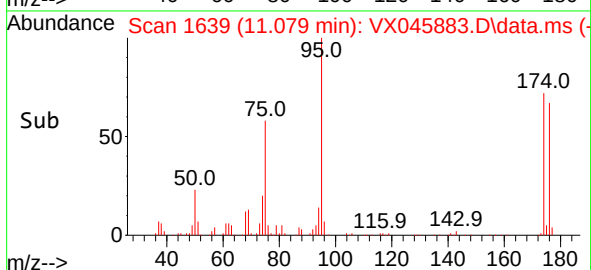
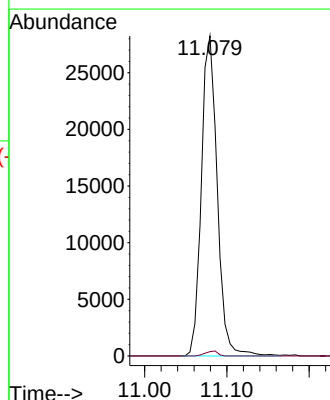
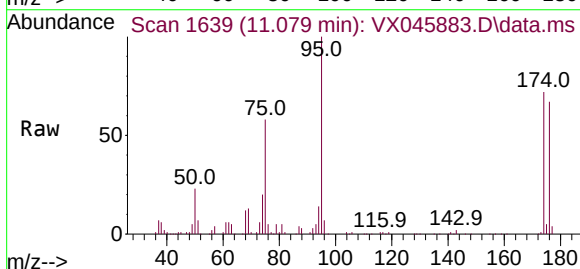
Acq: 22 Apr 2025 14:30

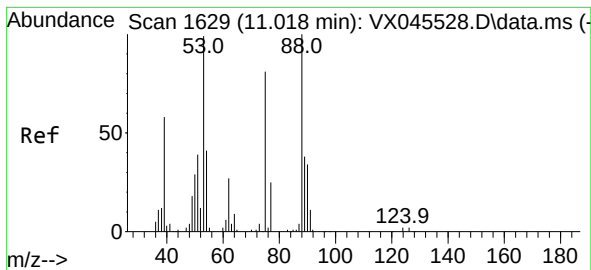
Tgt Ion: 75 Resp: 37874

Ion Ratio Lower Upper

75 100

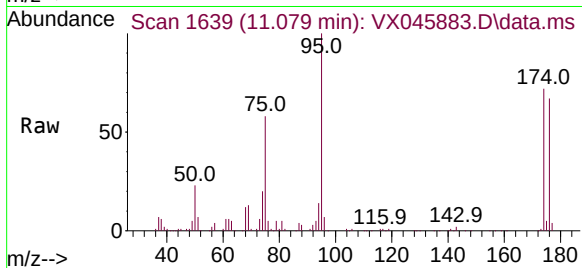
77 1.2 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.572 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045883.D
 Acq: 22 Apr 2025 14:30

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167661ZHE#04



Tgt Ion: 75 Resp: 37874
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

