

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041625\
 Data File : VX045807.D
 Acq On : 16 Apr 2025 14:58
 Operator : JC/MD
 Sample : PB167604ZHE#65
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167604ZHE#65

Quant Time: Apr 17 01:37:08 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)

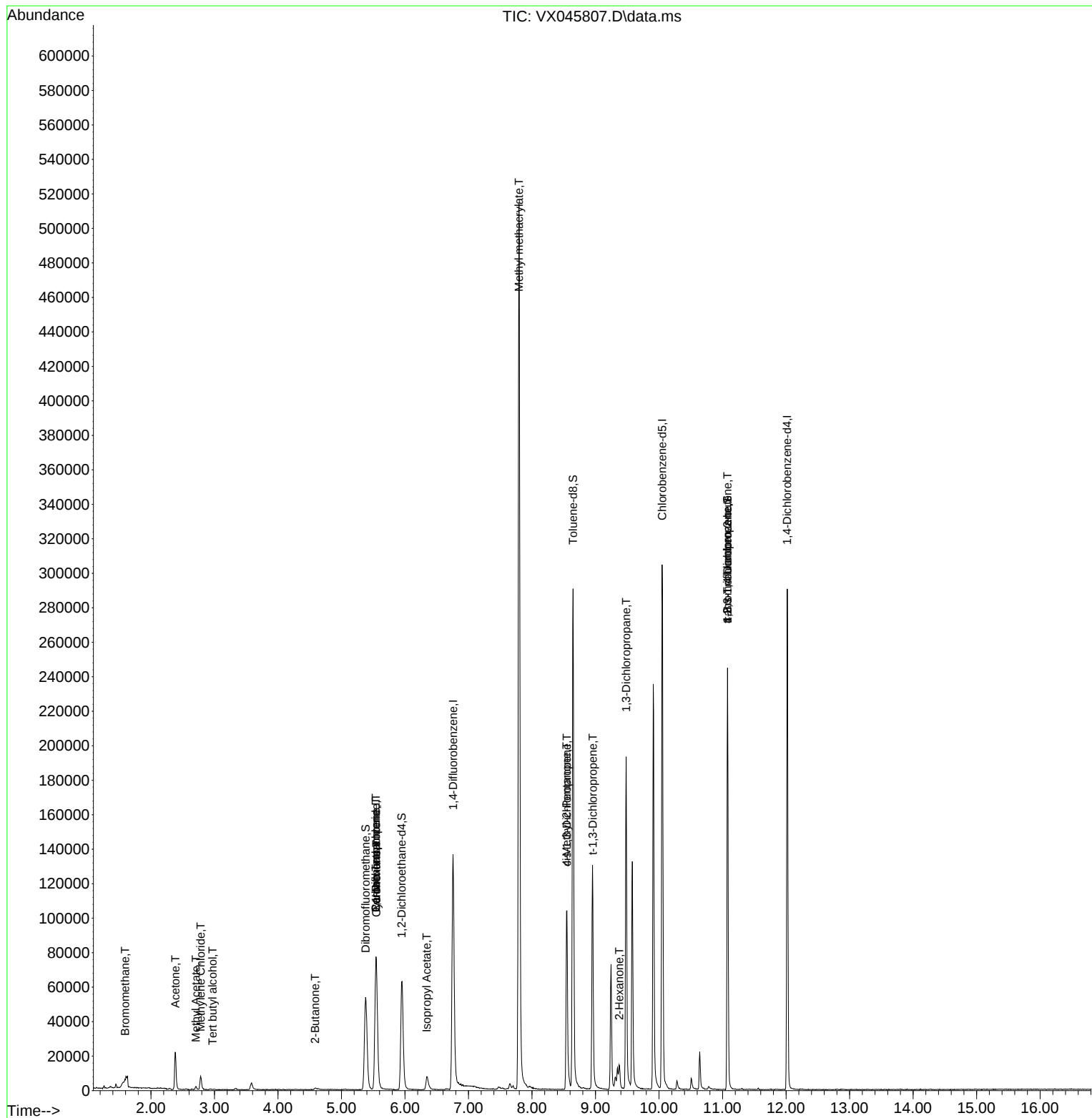
Internal Standards						
1) Pentafluorobenzene	5.544	168	65904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130461	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	66306	55.016	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	110.040%	
35) Dibromofluoromethane	5.379	113	47493	51.309	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	102.620%	
50) Toluene-d8	8.647	98	166731	51.607	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	103.220%	
62) 4-Bromofluorobenzene	11.079	95	63696	54.126	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	108.260%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	123	0.280	ug/l #	3
11) Tert butyl alcohol	2.971	59	222	1.371	ug/l #	72
16) Acetone	2.386	43	24391	49.285	ug/l	97
18) Methyl Acetate	2.709	43	2408	2.113	ug/l	92
20) Methylene Chloride	2.782	84	3460	3.734	ug/l #	89
25) 2-Butanone	4.587	43	2563	3.538	ug/l #	80
31) Cyclohexane	5.550	56	2166	1.465	ug/l #	26
36) 1,1-Dichloropropene	5.544	75	6651	5.322	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7772	5.754	ug/l #	16
43) Isopropyl Acetate	6.342	43	11260	4.717	ug/l	99
48) Methyl methacrylate	7.793	41	51374	41.683	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	43039	27.198	ug/l #	52
53) t-1,3-Dichloropropene	8.958	75	251	2.460	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	15907	11.594	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	1451	0.905	ug/l #	42
59) 2-Hexanone	9.372	43	12830	10.949	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	36262	28.373	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36262	96.295	ug/l #	1

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

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Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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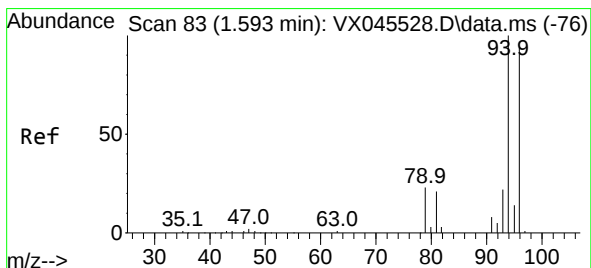
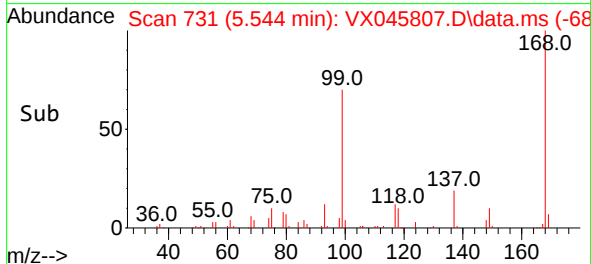
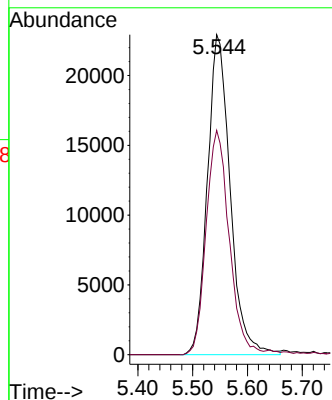
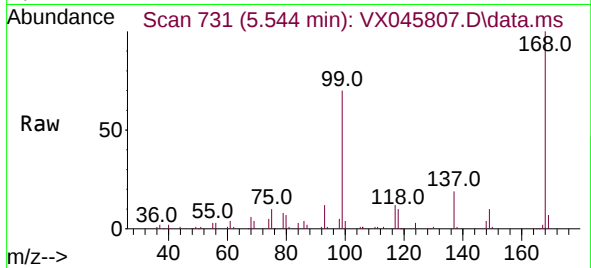




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045807.D
Acq: 16 Apr 2025 14:58

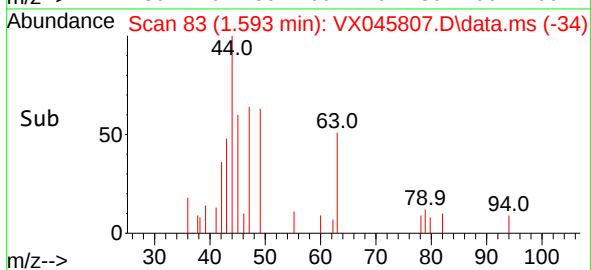
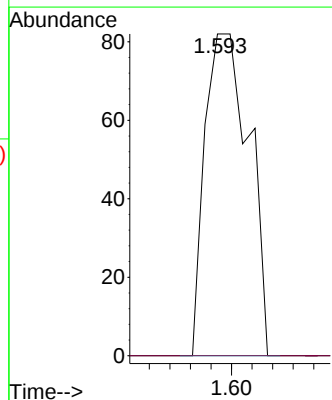
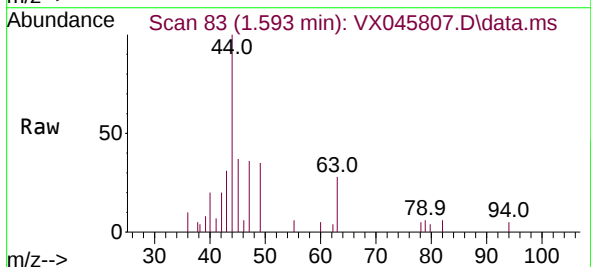
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#65

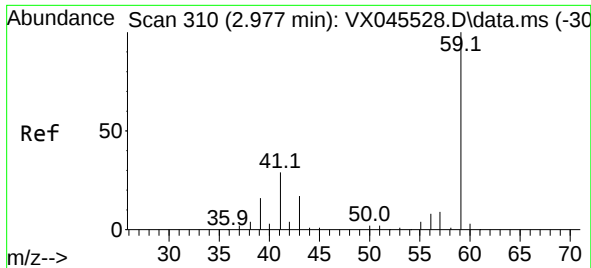
Tgt Ion:168 Resp: 65904
Ion Ratio Lower Upper
168 100
99 70.1 52.3 78.5



#5
Bromomethane
Concen: 0.280 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX045807.D
Acq: 16 Apr 2025 14:58

Tgt Ion: 94 Resp: 123
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#

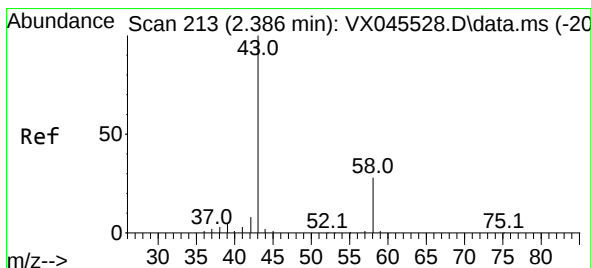
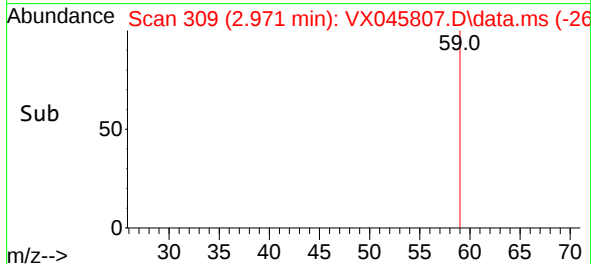
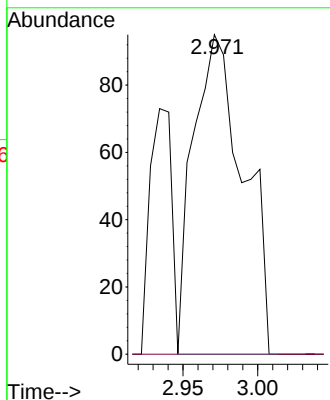
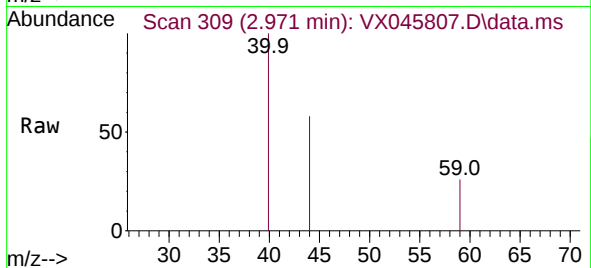




#11
Tert butyl alcohol
Concen: 1.371 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045807.D
Acq: 16 Apr 2025 14:58

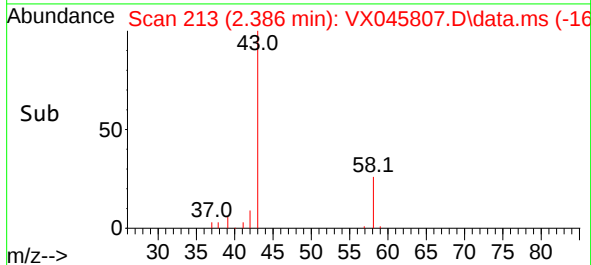
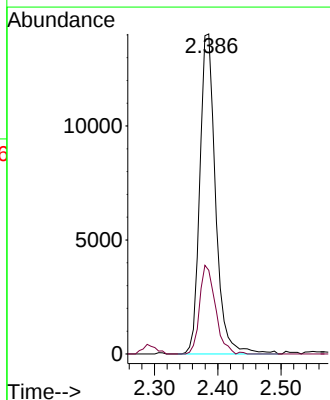
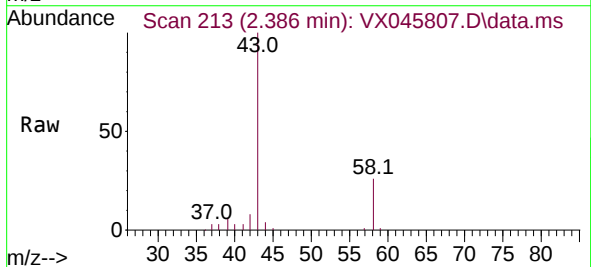
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#65

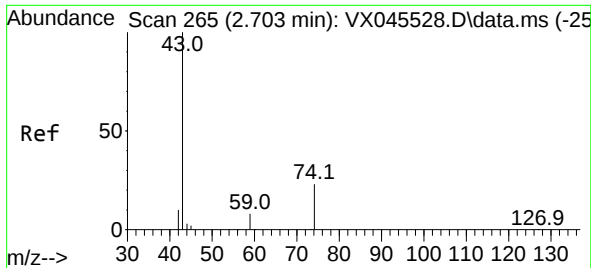
Tgt Ion: 59 Resp: 222
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 49.285 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045807.D
Acq: 16 Apr 2025 14:58

Tgt Ion: 43 Resp: 24391
Ion Ratio Lower Upper
43 100
58 26.1 22.3 33.5

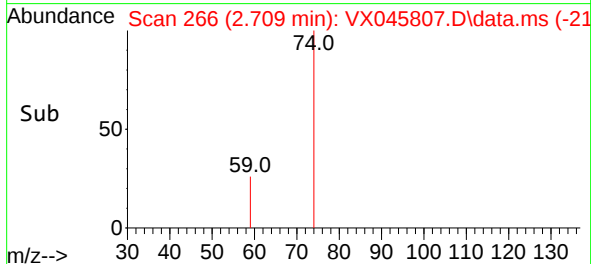
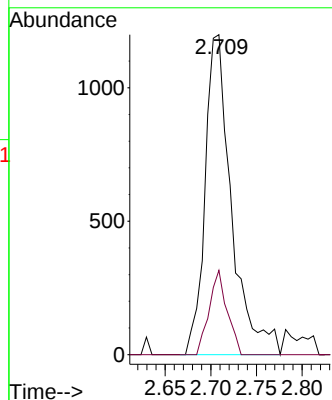
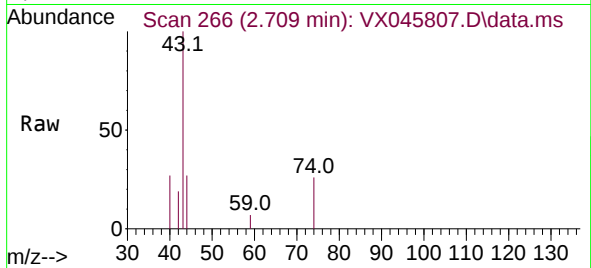




#18
Methyl Acetate
Concen: 2.113 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045807.D
Acq: 16 Apr 2025 14:58

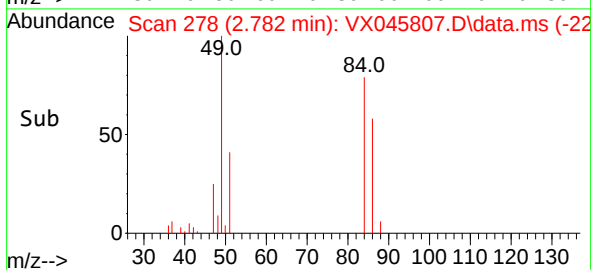
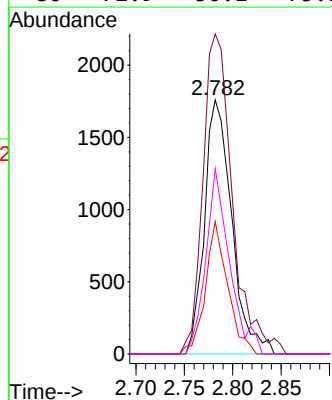
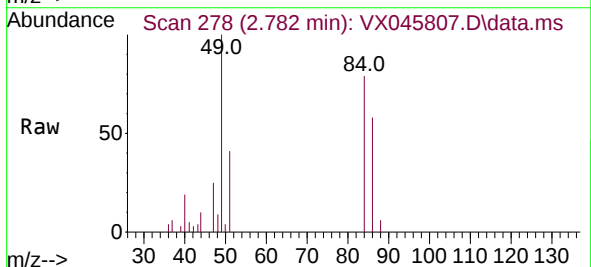
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#65

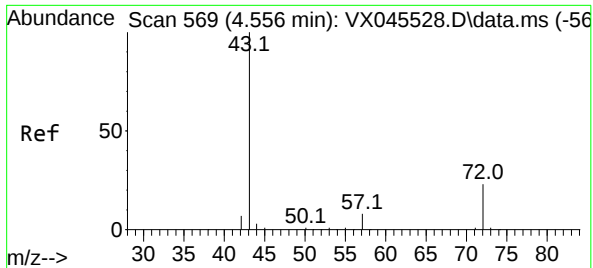
Tgt Ion: 43 Resp: 2408
Ion Ratio Lower Upper
43 100
74 17.9 17.5 26.3



#20
Methylene Chloride
Concen: 3.734 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045807.D
Acq: 16 Apr 2025 14:58

Tgt Ion: 84 Resp: 3460
Ion Ratio Lower Upper
84 100
49 125.9 107.5 161.3
51 52.1 33.0 49.6#
86 72.9 50.1 75.1





#25

2-Butanone

Concen: 3.538 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX045807.D

Acq: 16 Apr 2025 14:58

Instrument :

MSVOA_X

ClientSampleId :

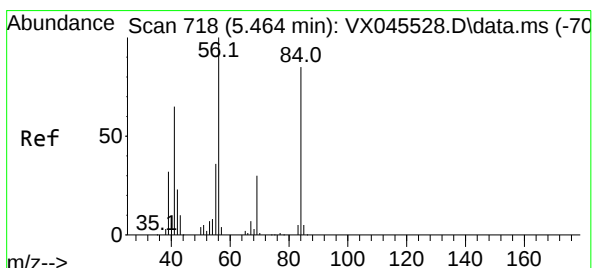
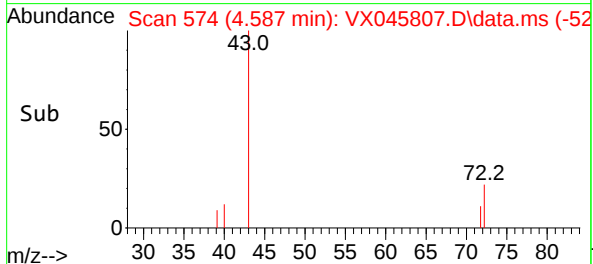
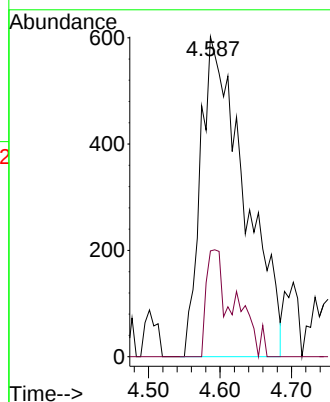
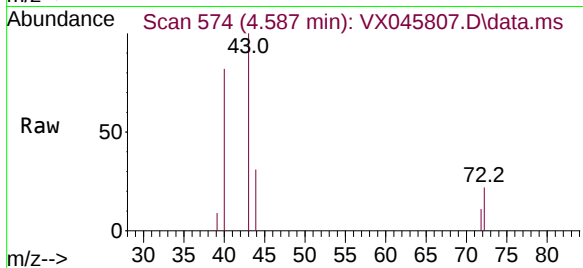
PB167604ZHE#65

Tgt Ion: 43 Resp: 2563

Ion Ratio Lower Upper

43 100

72 33.1 18.6 28.0#



#31

Cyclohexane

Concen: 1.465 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045807.D

Acq: 16 Apr 2025 14:58

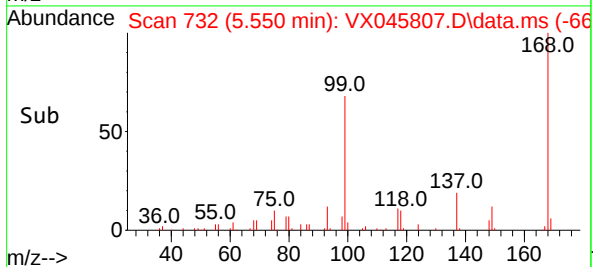
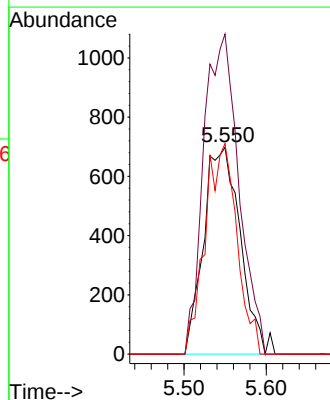
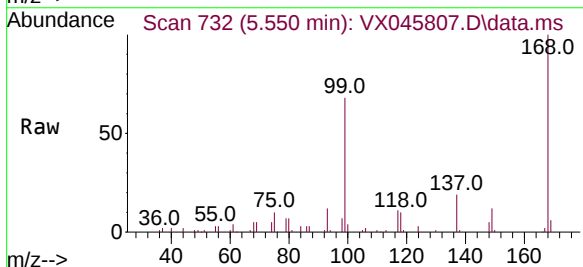
Tgt Ion: 56 Resp: 2166

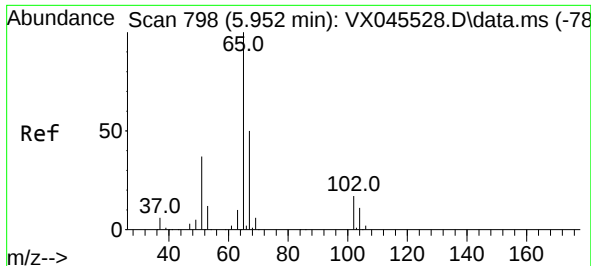
Ion Ratio Lower Upper

56 100

69 154.9 23.6 35.4#

84 101.9 67.7 101.5#





#33

1,2-Dichloroethane-d4

Concen: 55.016 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045807.D

Acq: 16 Apr 2025 14:58

Instrument :

MSVOA_X

ClientSampleId :

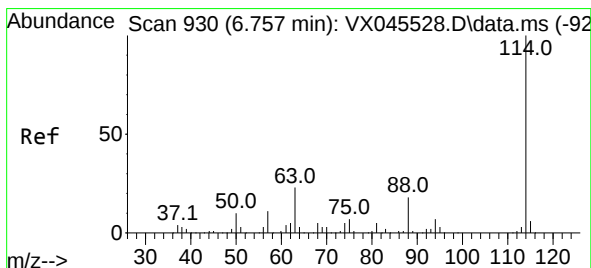
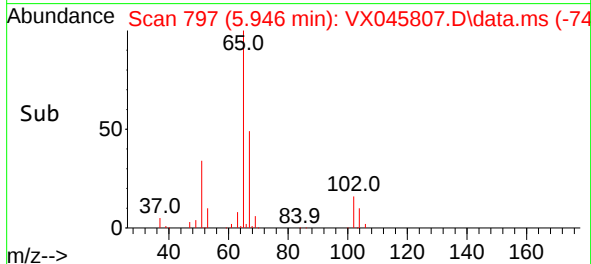
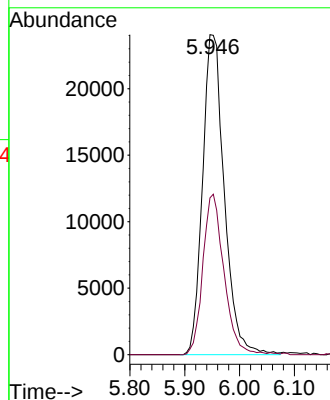
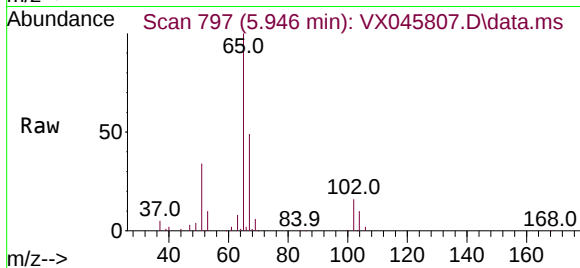
PB167604ZHE#65

Tgt Ion: 65 Resp: 66306

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# 930

Delta R.T. 0.000 min

Lab File: VX045807.D

Acq: 16 Apr 2025 14:58

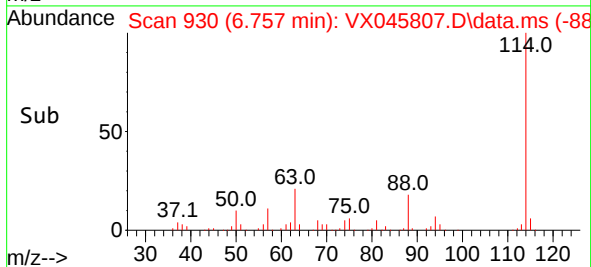
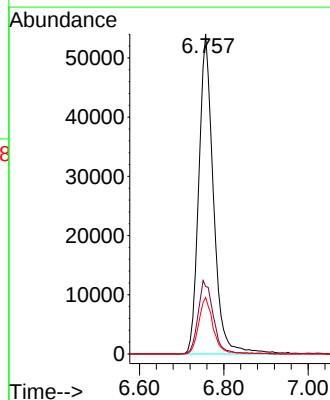
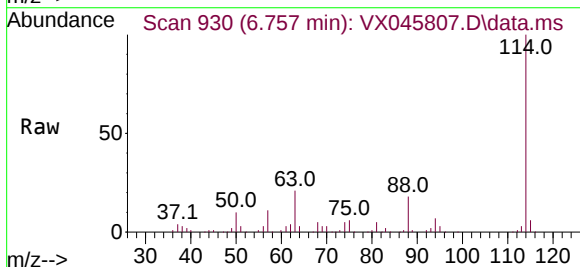
Tgt Ion: 114 Resp: 130461

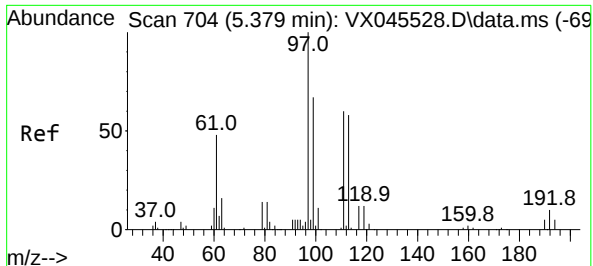
Ion Ratio Lower Upper

114 100

63 21.1 0.0 46.8

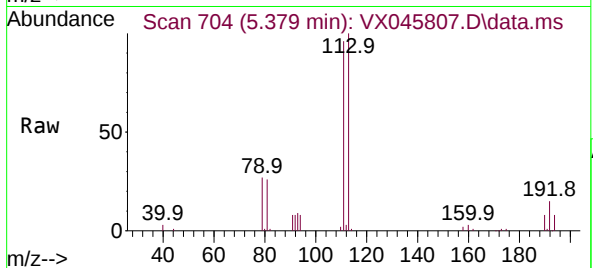
88 17.7 0.0 35.4



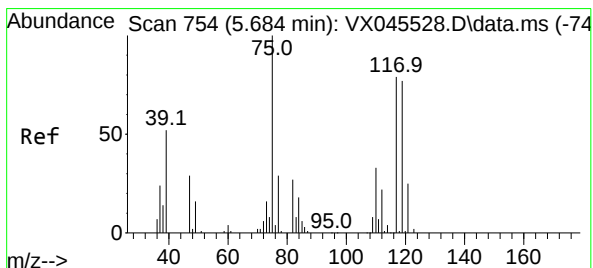
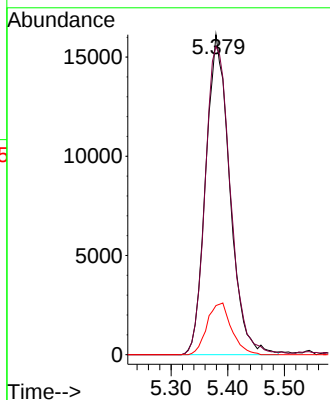
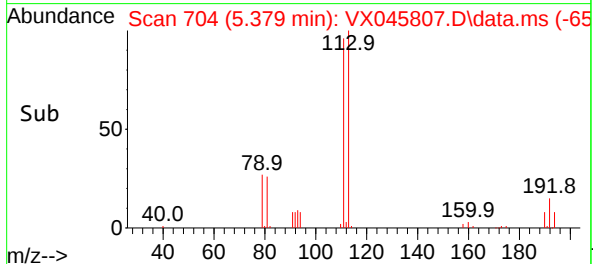


#35
Dibromofluoromethane
Concen: 51.309 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045807.D
Acq: 16 Apr 2025 14:58

Instrument :
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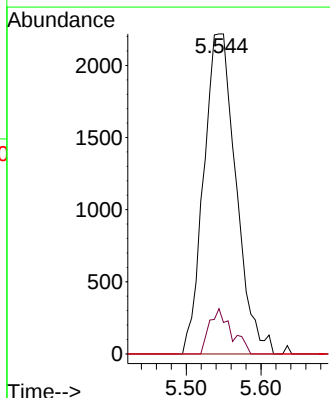
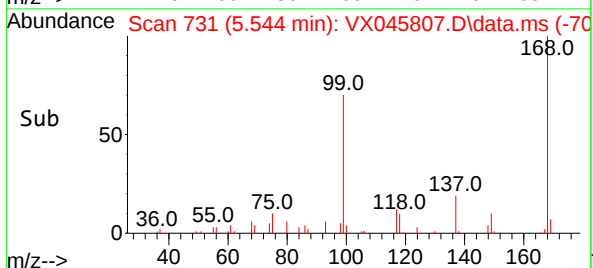
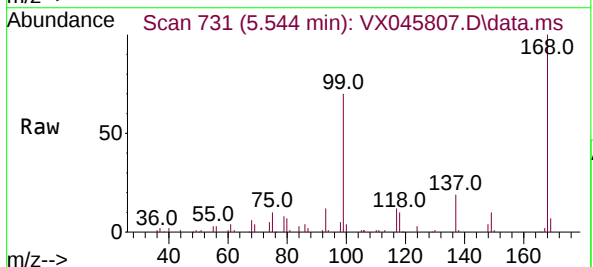


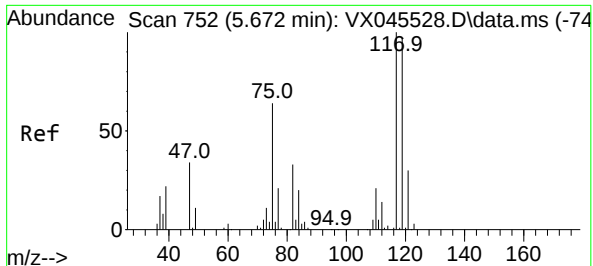
Tgt Ion:113 Resp: 47493
Ion Ratio Lower Upper
113 100
111 101.4 81.8 122.6
192 16.4 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.322 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045807.D
Acq: 16 Apr 2025 14:58

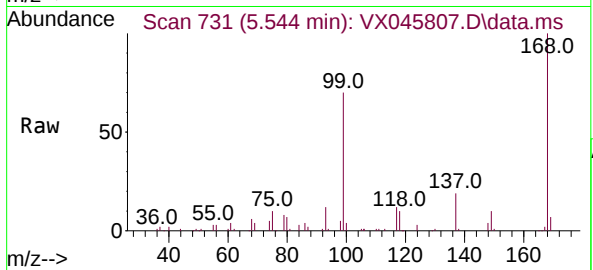
Tgt Ion: 75 Resp: 6651
Ion Ratio Lower Upper
75 100
110 9.6 16.9 50.6#
77 0.0 25.0 37.4#



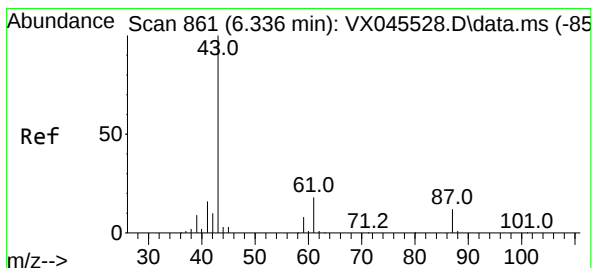
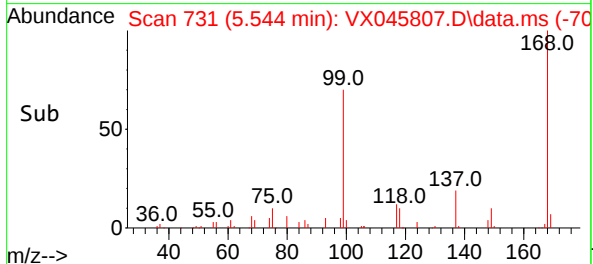
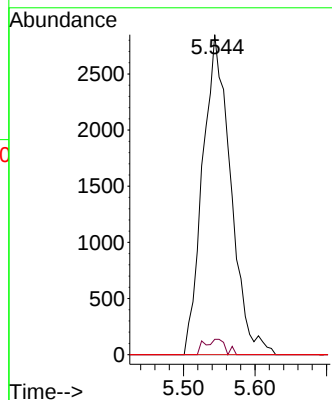


#38
Carbon Tetrachloride
Concen: 5.754 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045807.D
Acq: 16 Apr 2025 14:58

Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#65

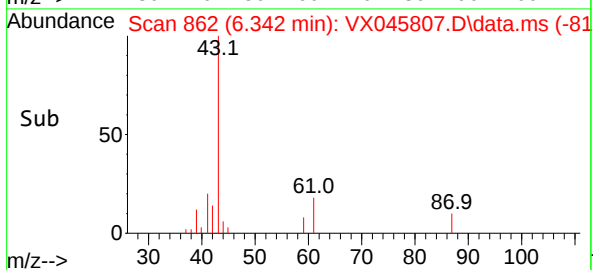
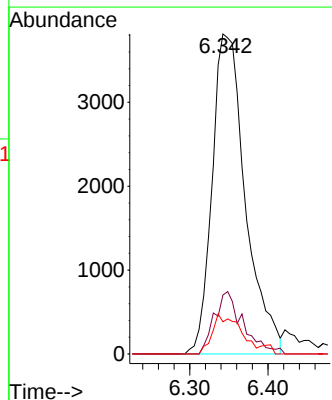
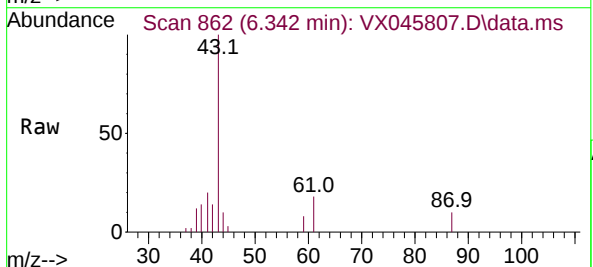


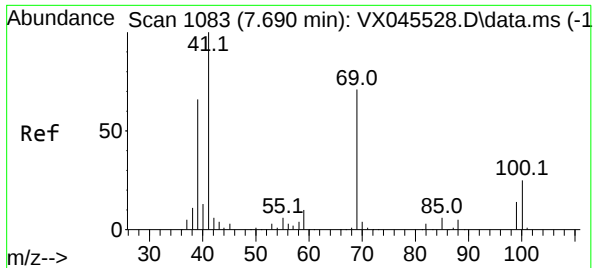
Tgt Ion:117 Resp: 7772
Ion Ratio Lower Upper
117 100
119 4.8 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.717 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045807.D
Acq: 16 Apr 2025 14:58

Tgt Ion: 43 Resp: 11260
Ion Ratio Lower Upper
43 100
61 16.9 14.1 21.1
87 11.3 9.2 13.8

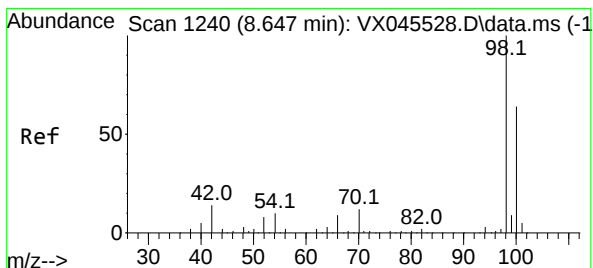
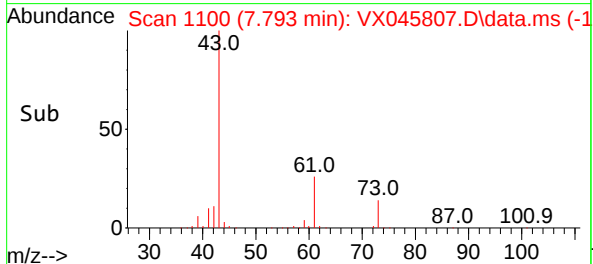
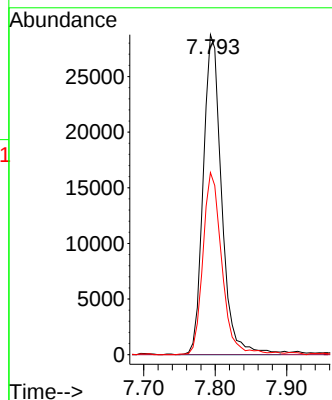
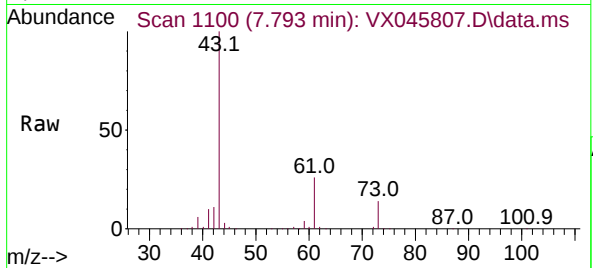




#48
Methyl methacrylate
Concen: 41.683 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045807.D
Acq: 16 Apr 2025 14:58

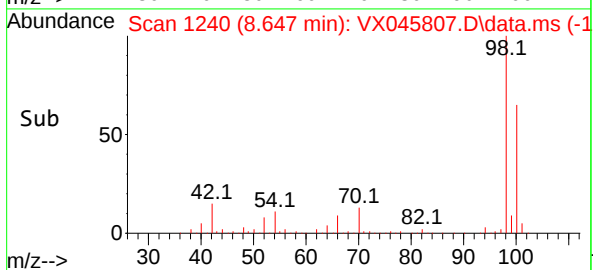
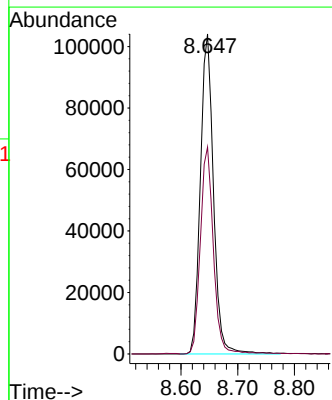
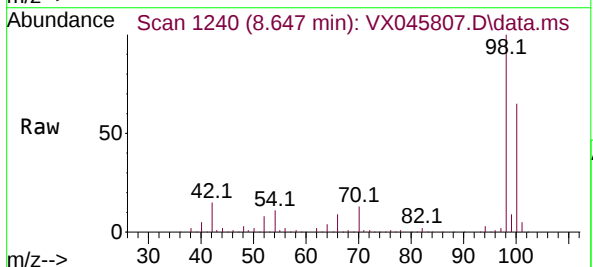
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#65

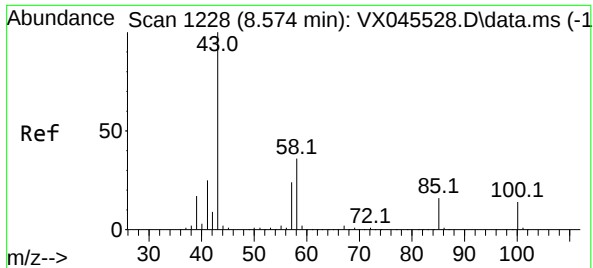
Tgt Ion: 41 Resp: 51374
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.8 53.6 80.4



#50
Toluene-d8
Concen: 51.607 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045807.D
Acq: 16 Apr 2025 14:58

Tgt Ion: 98 Resp: 166731
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4

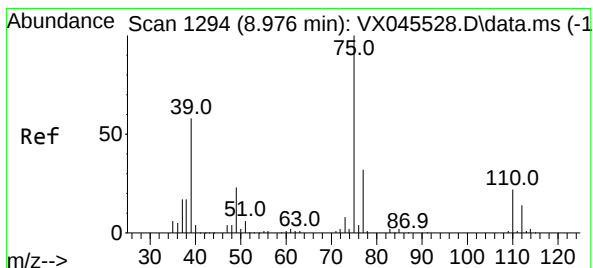
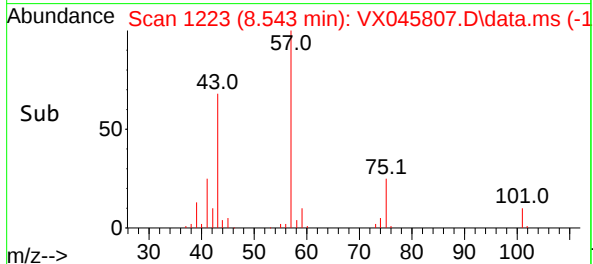
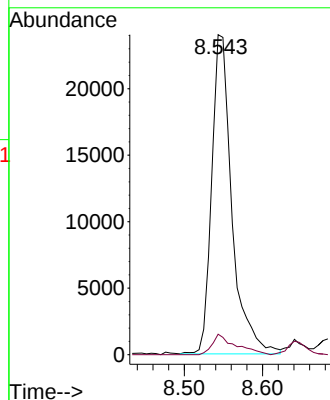
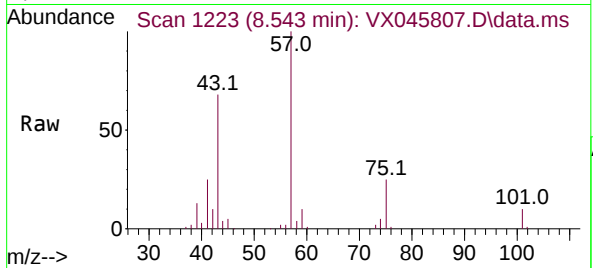




#51
4-Methyl-2-Pentanone
Concen: 27.198 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX045807.D
Acq: 16 Apr 2025 14:58

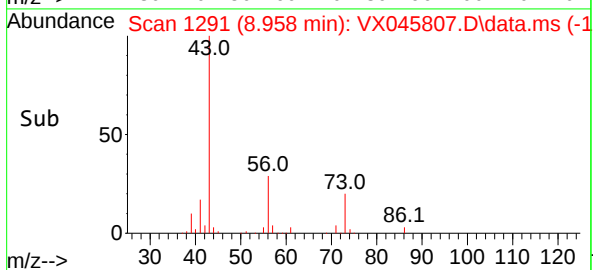
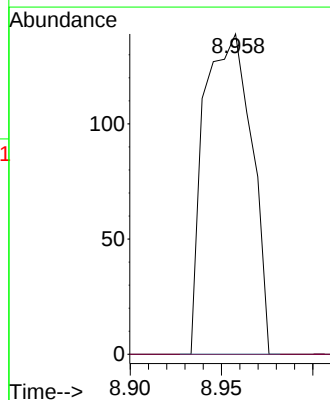
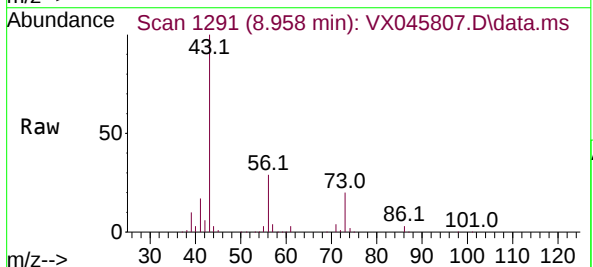
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#65

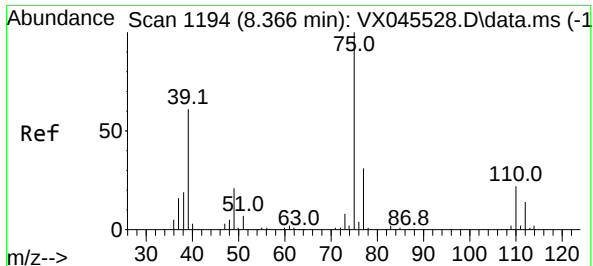
Tgt Ion: 43 Resp: 43039
Ion Ratio Lower Upper
43 100
58 7.4 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.460 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX045807.D
Acq: 16 Apr 2025 14:58

Tgt Ion: 75 Resp: 251
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

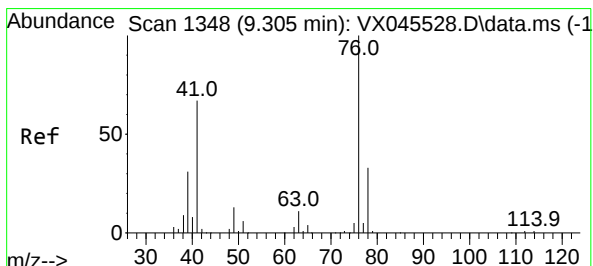
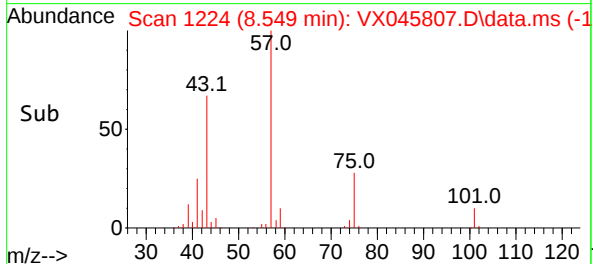
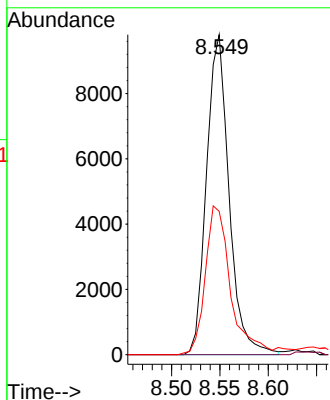
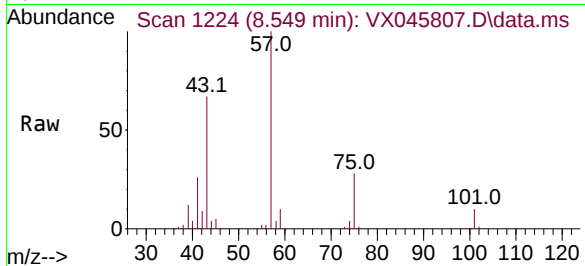




#54
cis-1,3-Dichloropropene
Concen: 11.594 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX045807.D
Acq: 16 Apr 2025 14:58

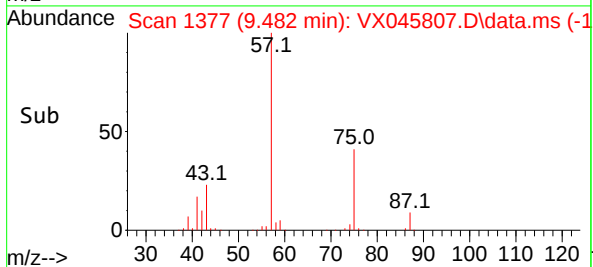
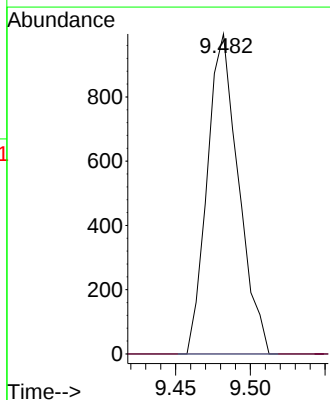
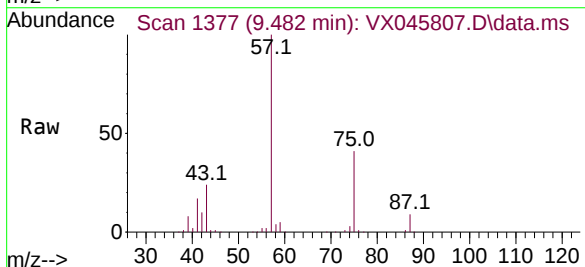
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#65

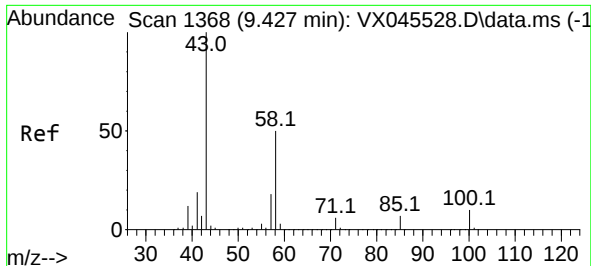
Tgt Ion: 75 Resp: 15907
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 44.8 48.4 72.6#



#57
1,3-Dichloropropane
Concen: 0.905 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX045807.D
Acq: 16 Apr 2025 14:58

Tgt Ion: 76 Resp: 1451
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 10.949 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045807.D

Acq: 16 Apr 2025 14:58

Instrument :

MSVOA_X

ClientSampleId :

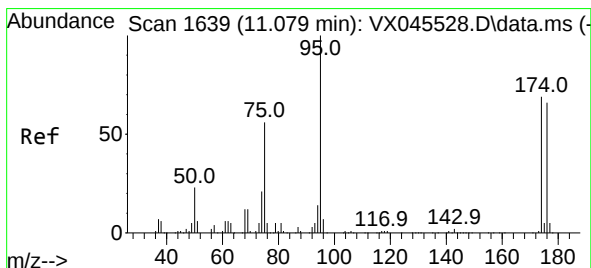
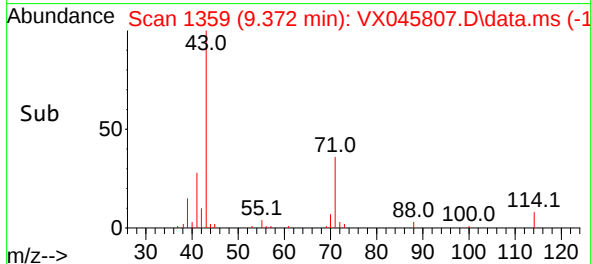
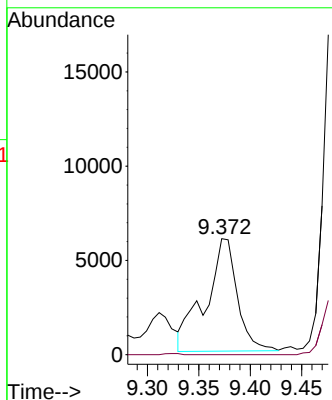
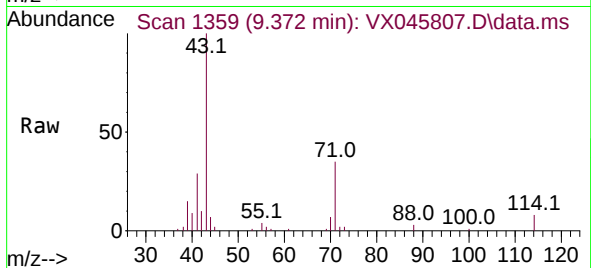
PB167604ZHE#65

Tgt Ion: 43 Resp: 12830

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 54.126 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX045807.D

Acq: 16 Apr 2025 14:58

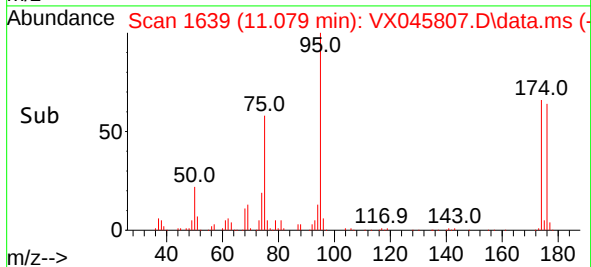
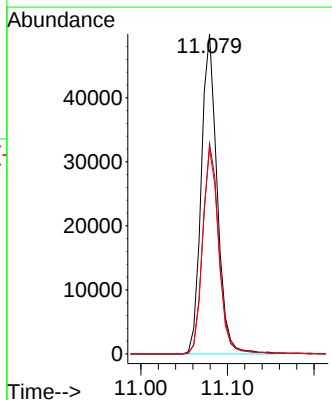
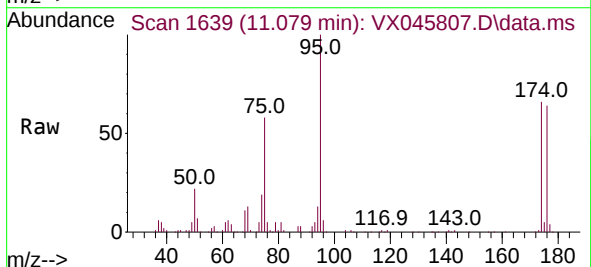
Tgt Ion: 95 Resp: 63696

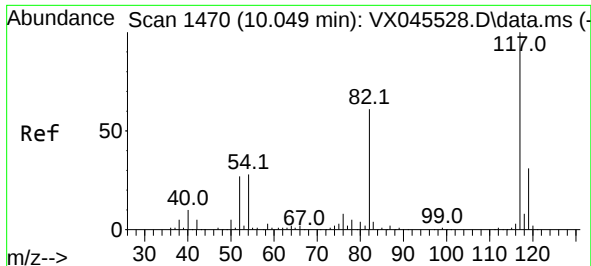
Ion Ratio Lower Upper

95 100

174 66.6 0.0 135.8

176 65.4 0.0 131.4

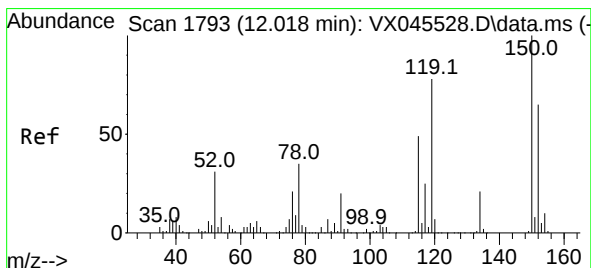
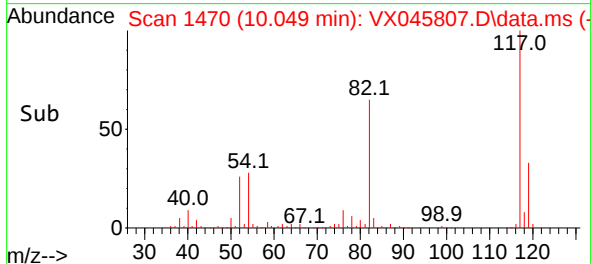
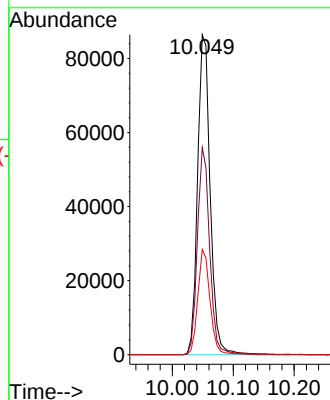
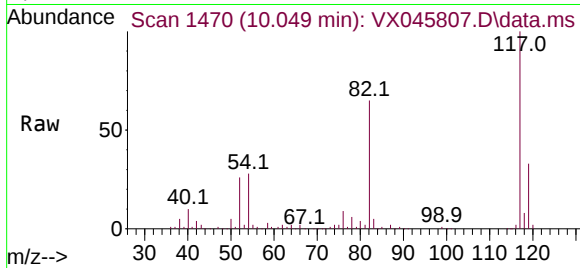




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045807.D
Acq: 16 Apr 2025 14:58

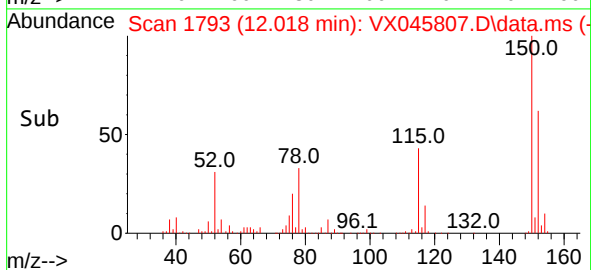
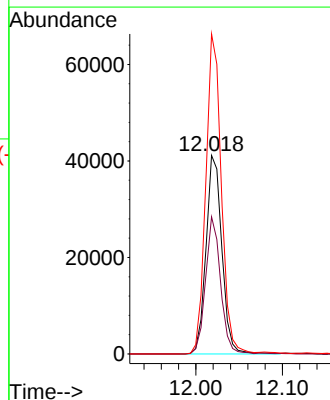
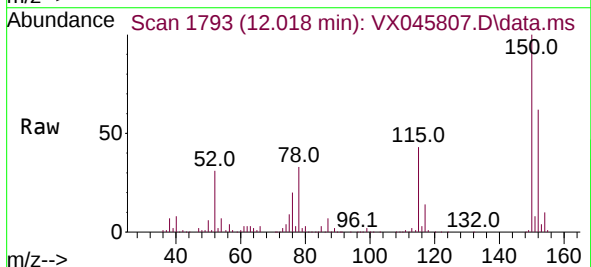
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#65

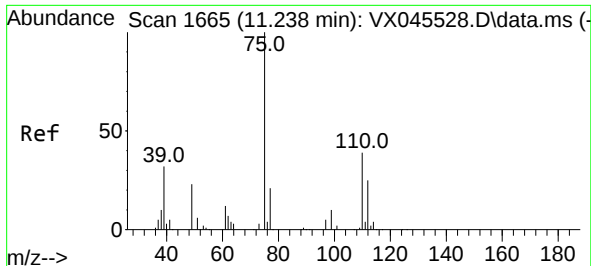
Tgt Ion:117 Resp: 124006
Ion Ratio Lower Upper
117 100
82 64.7 49.2 73.8
119 32.9 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045807.D
Acq: 16 Apr 2025 14:58

Tgt Ion:152 Resp: 52395
Ion Ratio Lower Upper
152 100
115 65.6 46.9 140.7
150 157.4 0.0 349.4

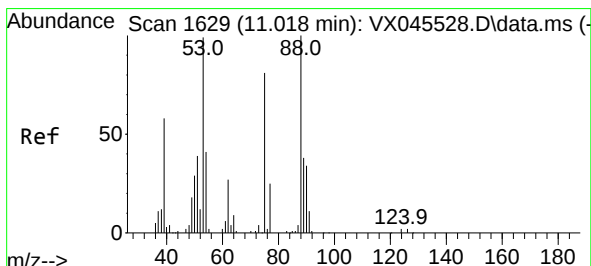
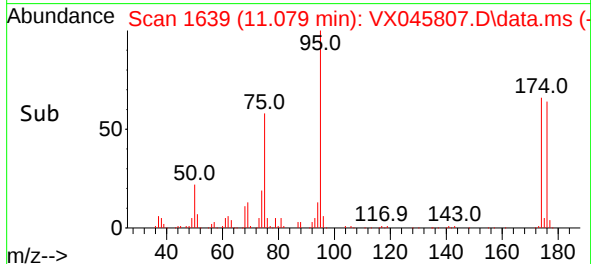
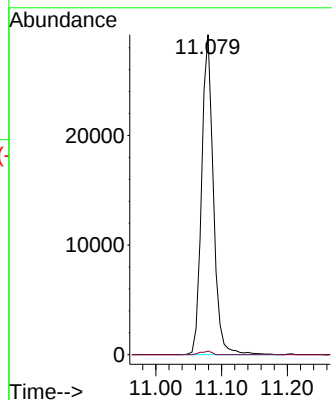
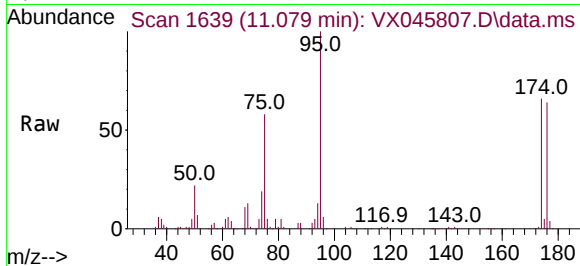




#76
1,2,3-Trichloropropane
Concen: 28.373 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045807.D
Acq: 16 Apr 2025 14:58

Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#65

Tgt Ion: 75 Resp: 36262
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.295 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045807.D
Acq: 16 Apr 2025 14:58

Tgt Ion: 75 Resp: 36262
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

