

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042225\
 Data File : VX045887.D
 Acq On : 22 Apr 2025 16:03
 Operator : JC/MD
 Sample : PB167661ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167661ZHE#08

Quant Time: Apr 23 01:35:16 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

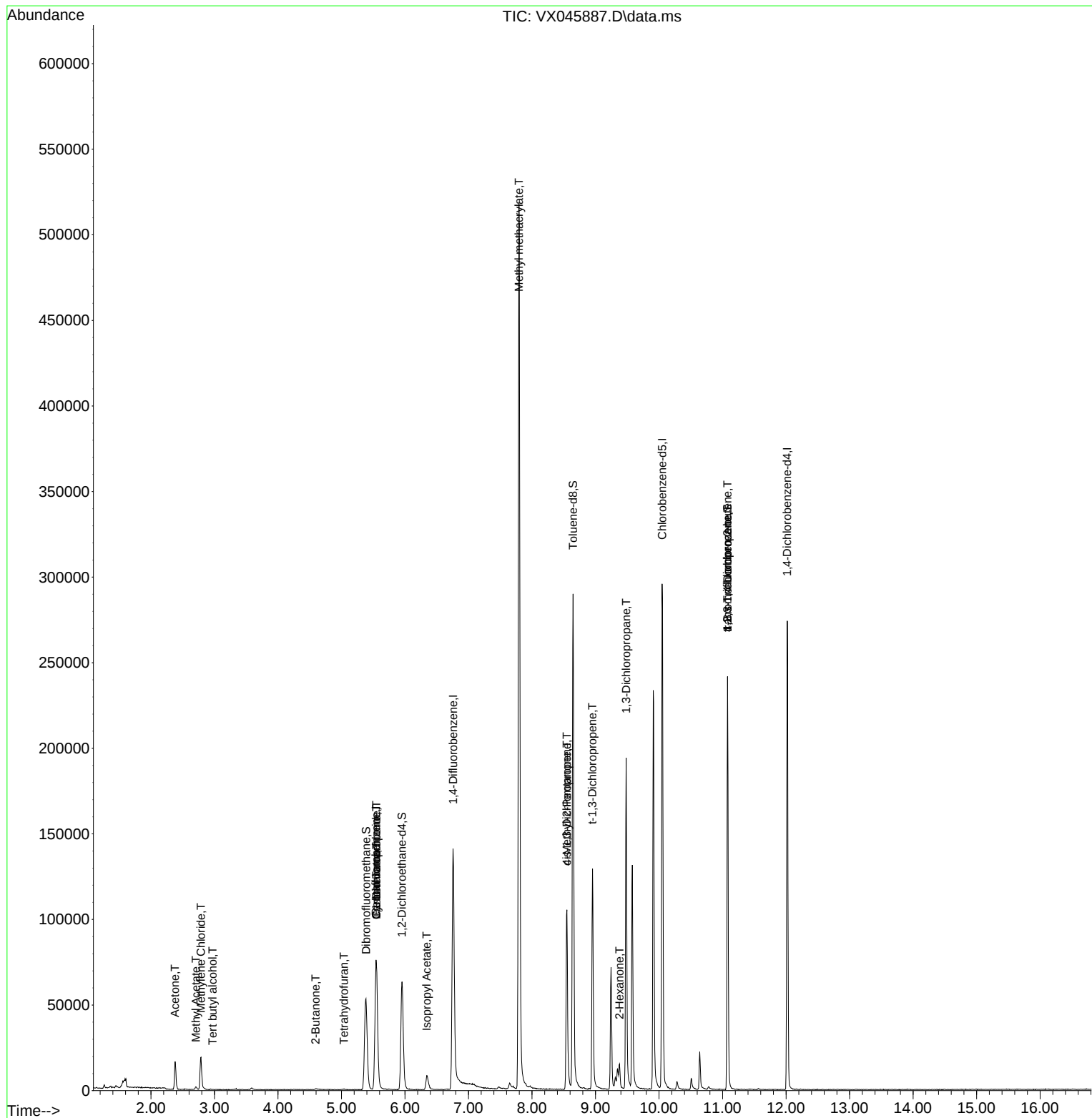
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	65350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131727	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66298	55.476	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.960%
35) Dibromofluoromethane	5.385	113	47170	50.471	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.940%
50) Toluene-d8	8.647	98	167081	51.218	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.440%
62) 4-Bromofluorobenzene	11.079	95	62138	52.294	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.580%
Target Compounds						Qvalue
11) Tert butyl alcohol	2.971	59	187	1.164	ug/l	# 72
16) Acetone	2.380	43	17764	36.199	ug/l	100
18) Methyl Acetate	2.709	43	2293	2.029	ug/l	96
20) Methylene Chloride	2.788	84	8627	9.390	ug/l	98
25) 2-Butanone	4.593	43	1282	1.785	ug/l	# 89
29) Tetrahydrofuran	5.038	42	290	0.623	ug/l	# 53
31) Cyclohexane	5.550	56	2004	1.367	ug/l	# 43
36) 1,1-Dichloropropene	5.550	75	6627	5.252	ug/l	# 50
38) Carbon Tetrachloride	5.550	117	7719	5.660	ug/l	# 14
43) Isopropyl Acetate	6.342	43	13153	5.457	ug/l	98
48) Methyl methacrylate	7.793	41	51519	41.399	ug/l	# 49
51) 4-Methyl-2-Pentanone	8.549	43	42381	26.525	ug/l	# 50
53) t-1,3-Dichloropropene	8.952	75	261	2.465	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	16842	12.158	ug/l	# 68
57) 1,3-Dichloropropane	9.482	76	1553	0.960	ug/l	# 42
59) 2-Hexanone	9.378	43	13505	11.414	ug/l	# 28
76) 1,2,3-Trichloropropane	11.079	75	36141	28.779	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	36141	97.672	ug/l	# 1

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

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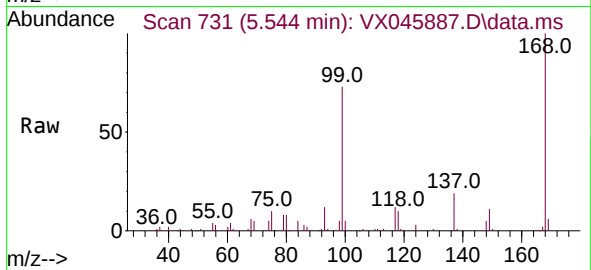
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



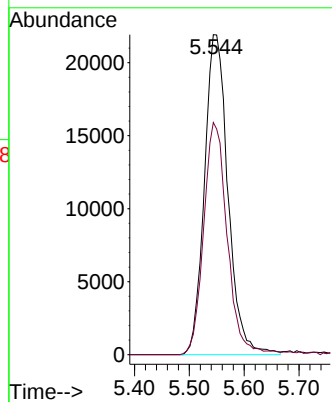
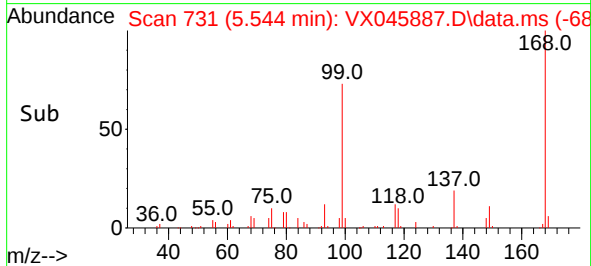


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045887.D
Acq: 22 Apr 2025 16:03

Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#08

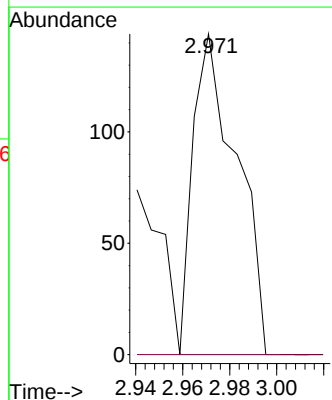
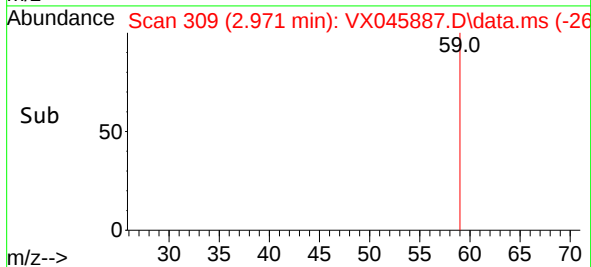
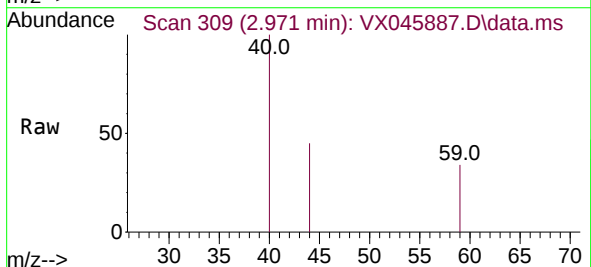


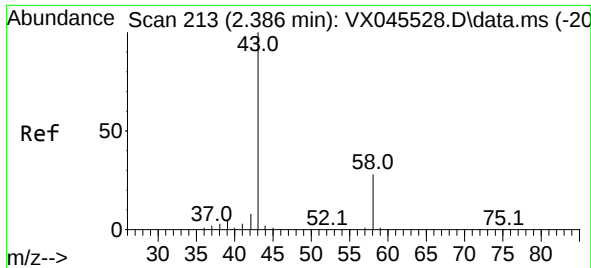
Tgt Ion:168 Resp: 65350
Ion Ratio Lower Upper
168 100
99 72.5 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.164 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045887.D
Acq: 22 Apr 2025 16:03

Tgt Ion: 59 Resp: 187
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

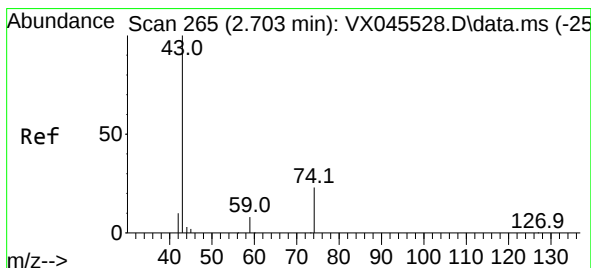
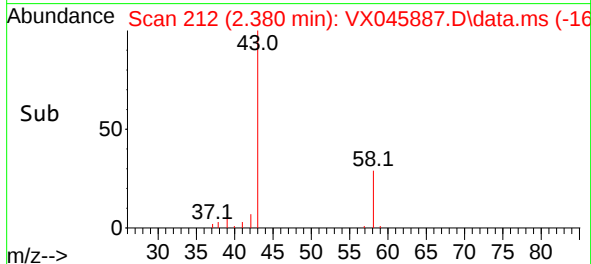
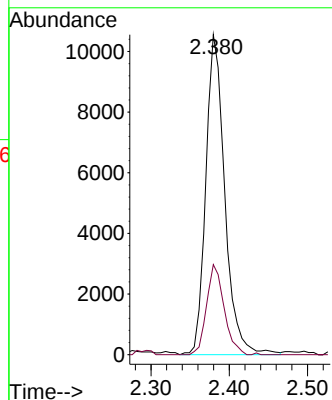
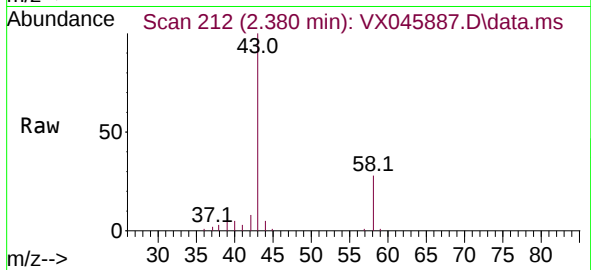




#16
Acetone
Concen: 36.199 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045887.D
Acq: 22 Apr 2025 16:03

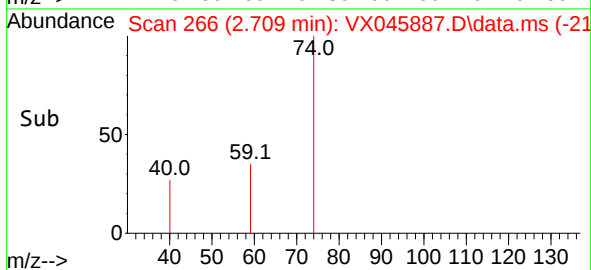
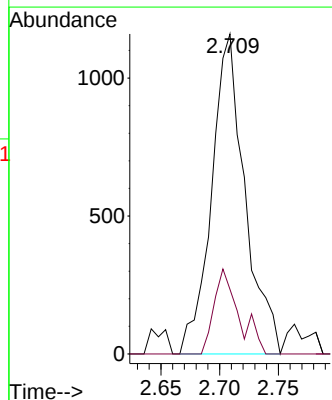
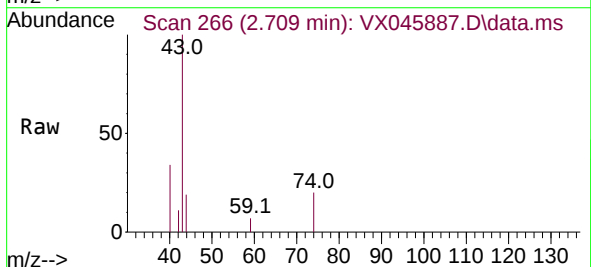
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#08

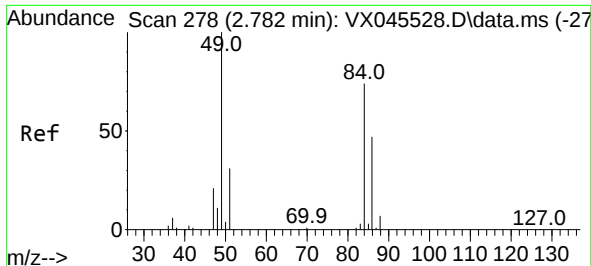
Tgt Ion: 43 Resp: 17764
Ion Ratio Lower Upper
43 100
58 28.1 22.3 33.5



#18
Methyl Acetate
Concen: 2.029 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045887.D
Acq: 22 Apr 2025 16:03

Tgt Ion: 43 Resp: 2293
Ion Ratio Lower Upper
43 100
74 19.8 17.5 26.3

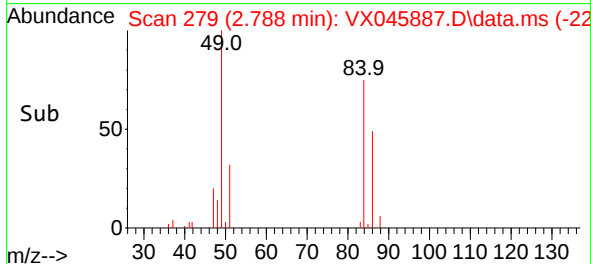
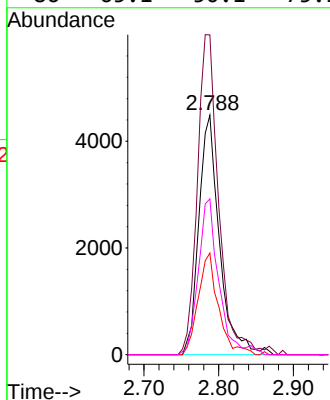
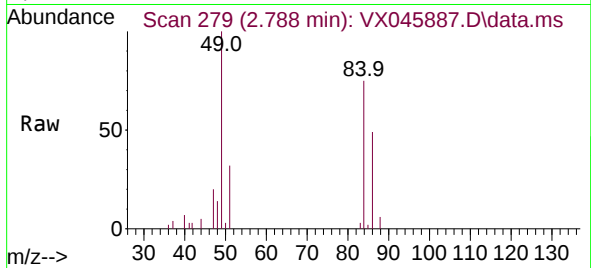




#20
Methylene Chloride
Concen: 9.390 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045887.D
Acq: 22 Apr 2025 16:03

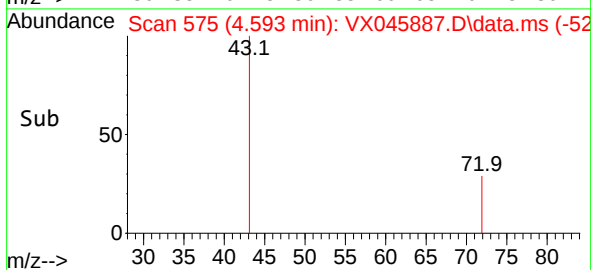
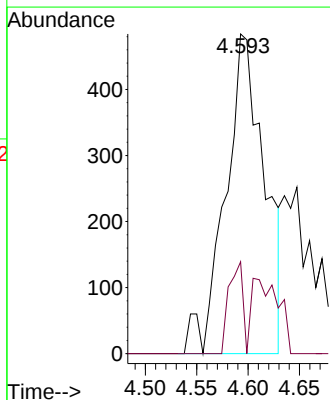
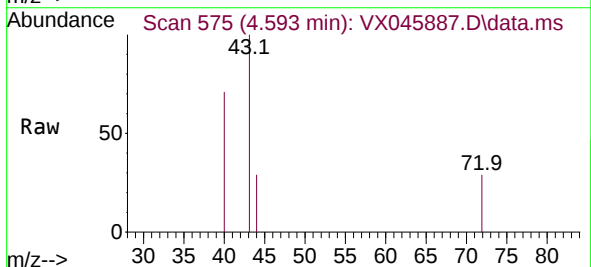
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#08

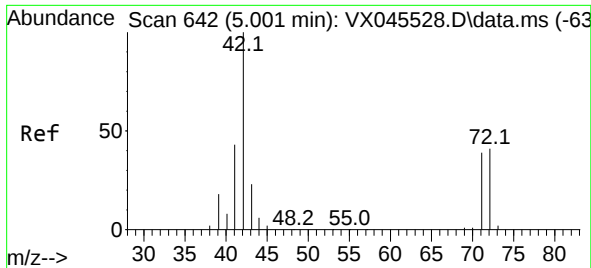
Tgt Ion: 84 Resp: 8627
Ion Ratio Lower Upper
84 100
49 133.6 107.5 161.3
51 42.4 33.0 49.6
86 65.1 50.1 75.1



#25
2-Butanone
Concen: 1.785 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX045887.D
Acq: 22 Apr 2025 16:03

Tgt Ion: 43 Resp: 1282
Ion Ratio Lower Upper
43 100
72 28.7 18.6 28.0#

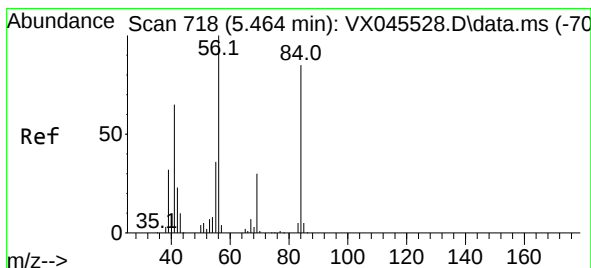
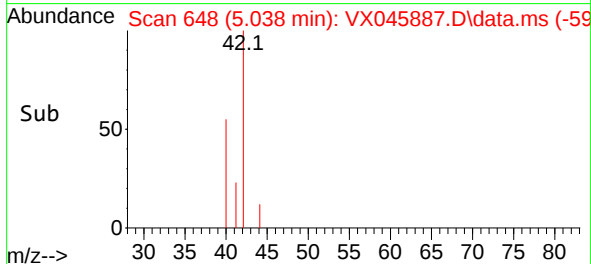
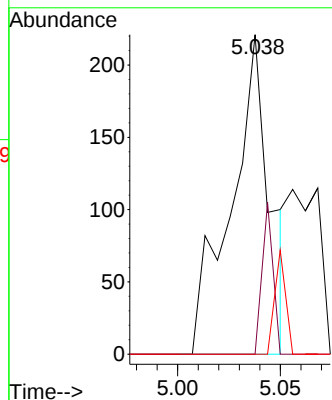
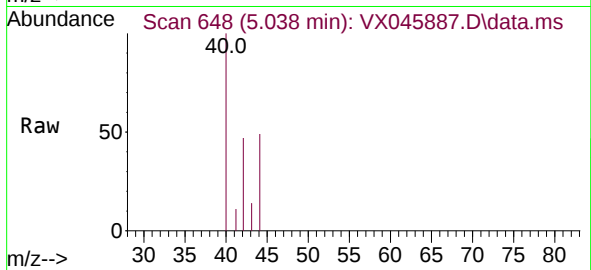




#29
Tetrahydrofuran
Concen: 0.623 ug/l
RT: 5.038 min Scan# 64
Delta R.T. 0.037 min
Lab File: VX045887.D
Acq: 22 Apr 2025 16:03

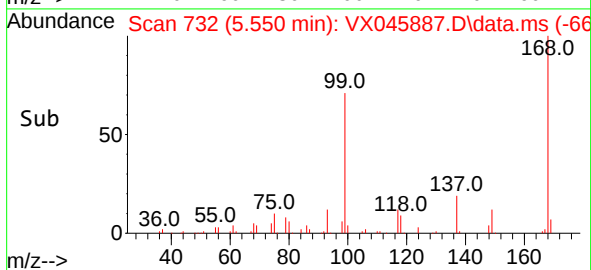
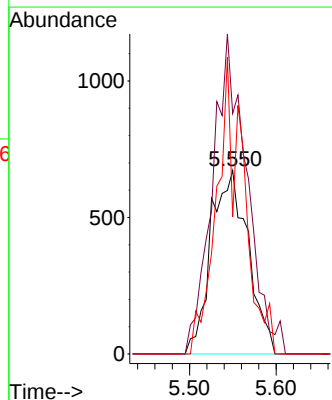
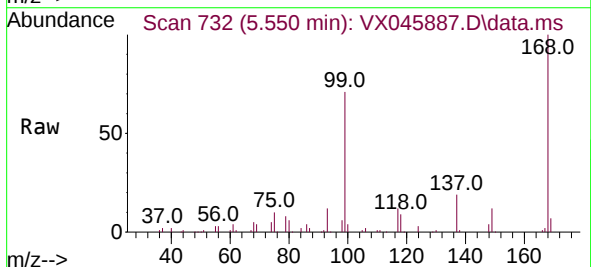
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#08

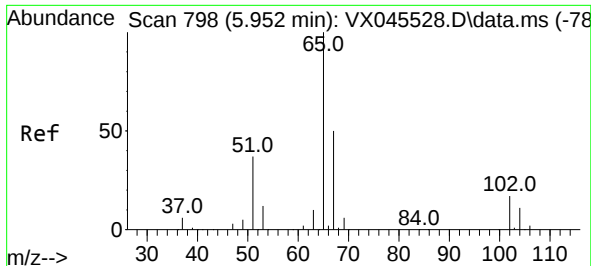
Tgt Ion: 42 Resp: 290
Ion Ratio Lower Upper
42 100
72 13.1 33.4 50.0#
71 9.0 31.4 47.0#



#31
Cyclohexane
Concen: 1.367 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX045887.D
Acq: 22 Apr 2025 16:03

Tgt Ion: 56 Resp: 2004
Ion Ratio Lower Upper
56 100
69 131.1 23.6 35.4#
84 74.7 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 55.476 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045887.D

Acq: 22 Apr 2025 16:03

Instrument :

MSVOA_X

ClientSampleId :

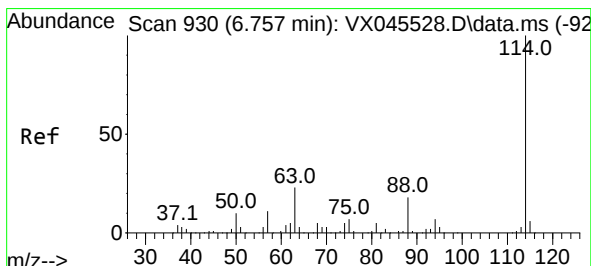
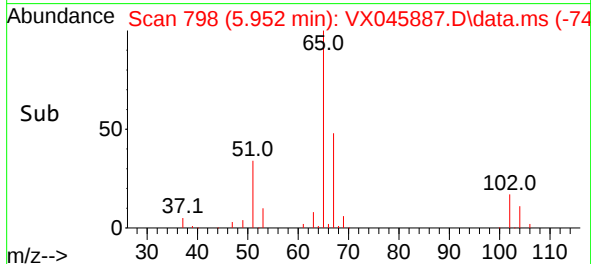
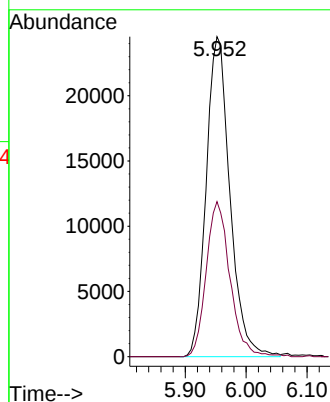
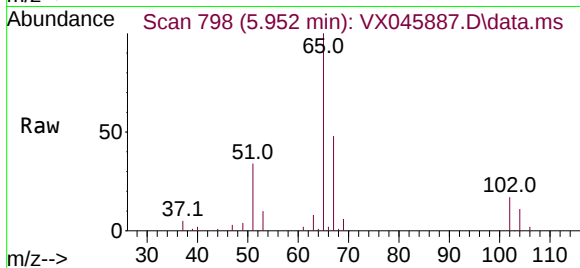
PB167661ZHE#08

Tgt Ion: 65 Resp: 66298

Ion Ratio Lower Upper

65 100

67 48.6 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: VX045887.D

Acq: 22 Apr 2025 16:03

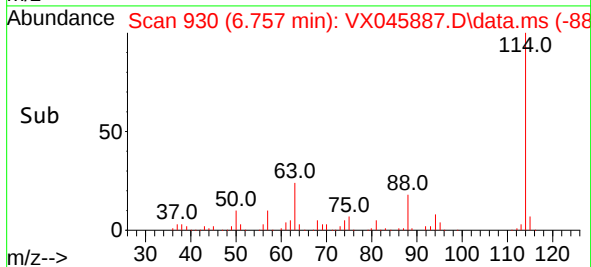
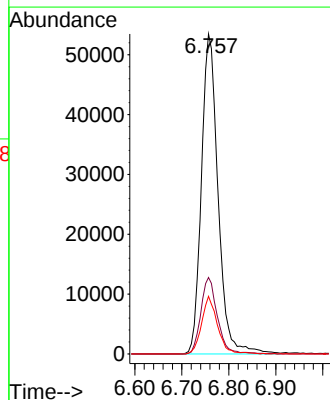
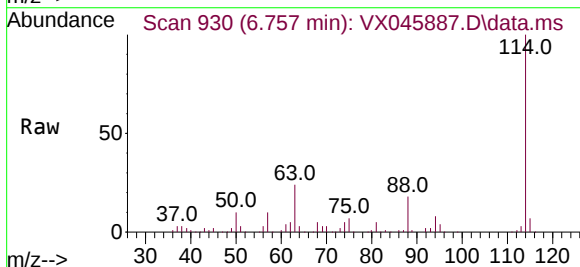
Tgt Ion: 114 Resp: 131727

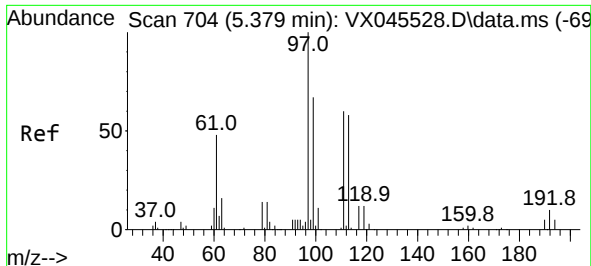
Ion Ratio Lower Upper

114 100

63 23.9 0.0 46.8

88 18.0 0.0 35.4

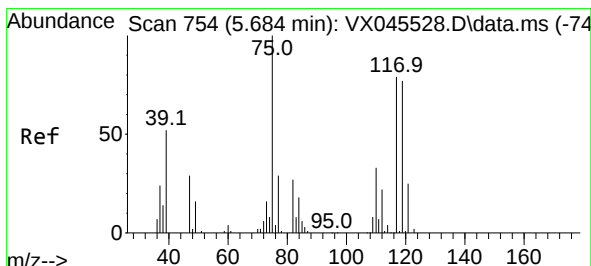
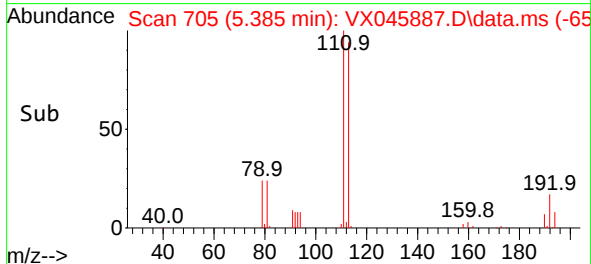
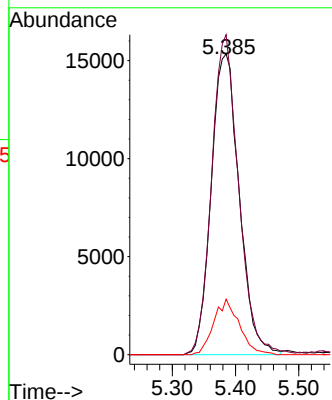
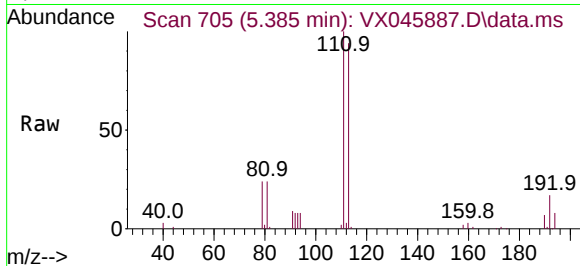




#35
Dibromofluoromethane
Concen: 50.471 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045887.D
Acq: 22 Apr 2025 16:03

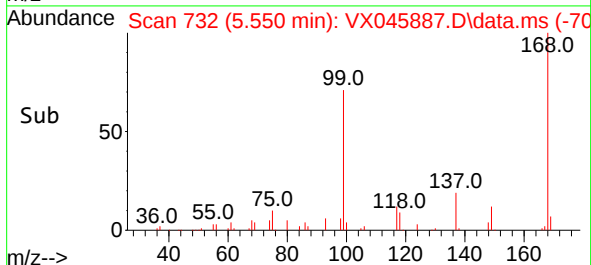
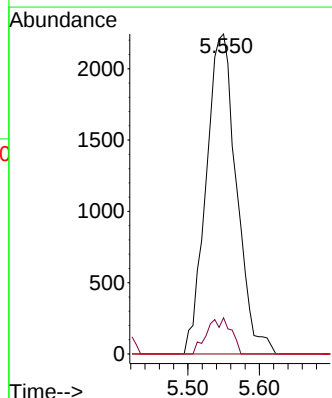
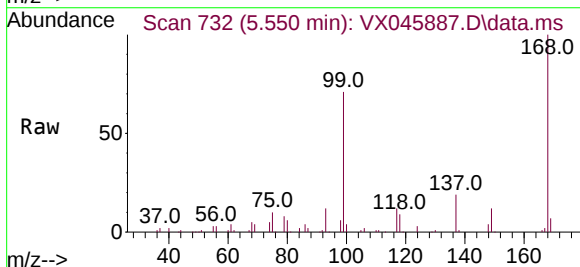
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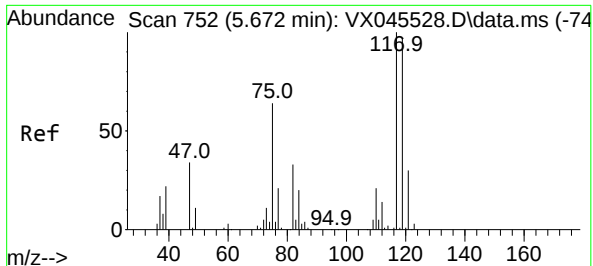
Tgt Ion:113 Resp: 47170
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.6
192 16.9 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.252 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX045887.D
Acq: 22 Apr 2025 16:03

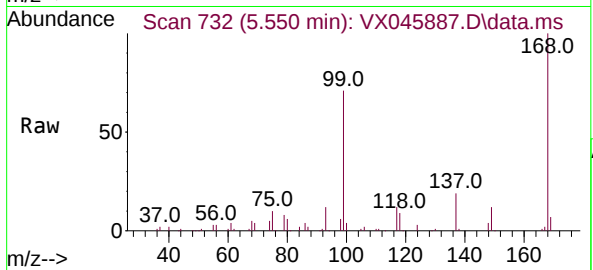
Tgt Ion: 75 Resp: 6627
Ion Ratio Lower Upper
75 100
110 9.0 16.9 50.6#
77 0.0 25.0 37.4#



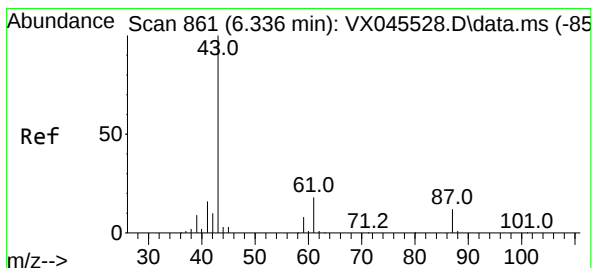
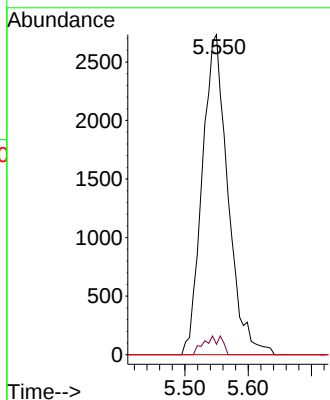
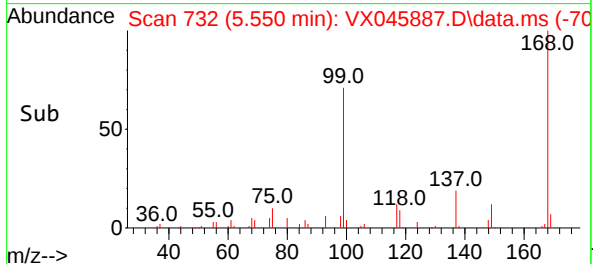


#38
Carbon Tetrachloride
Concen: 5.660 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045887.D
Acq: 22 Apr 2025 16:03

Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#08

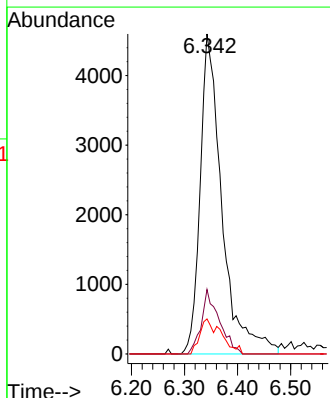
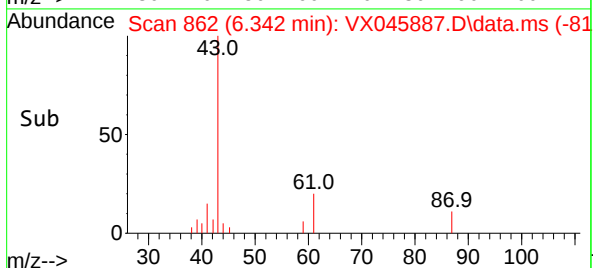
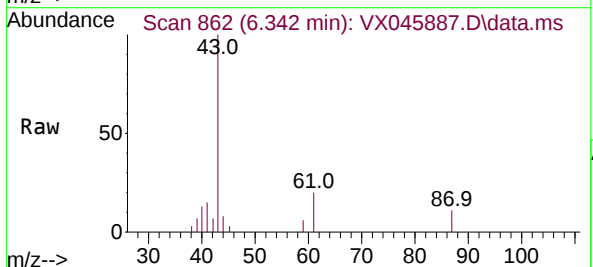


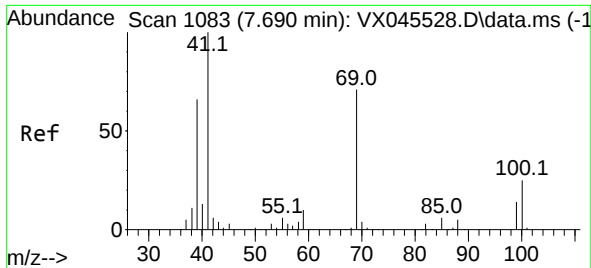
Tgt Ion:117 Resp: 7719
Ion Ratio Lower Upper
117 100
119 3.3 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 5.457 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045887.D
Acq: 22 Apr 2025 16:03

Tgt Ion: 43 Resp: 13153
Ion Ratio Lower Upper
43 100
61 16.5 14.1 21.1
87 10.7 9.2 13.8

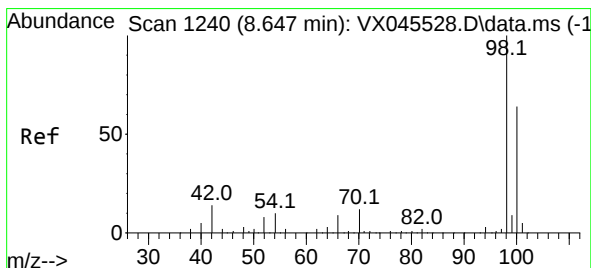
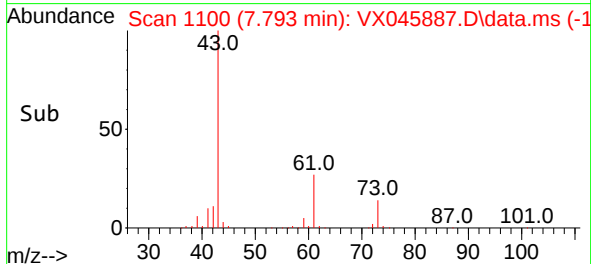
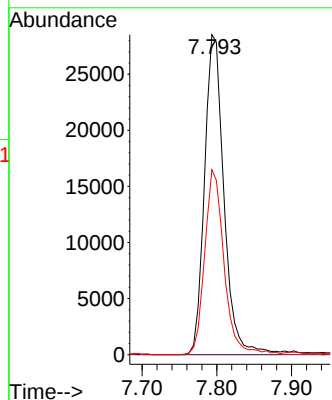
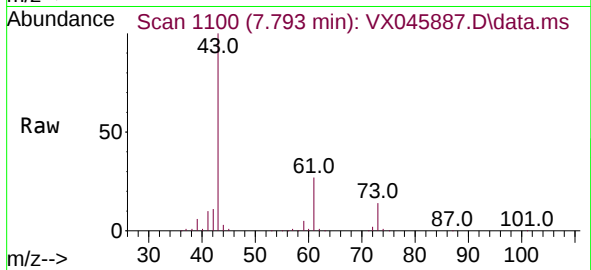




#48
Methyl methacrylate
Concen: 41.399 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045887.D
Acq: 22 Apr 2025 16:03

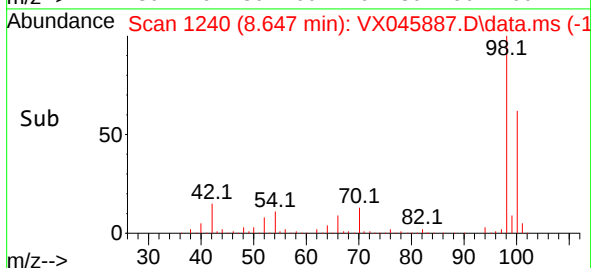
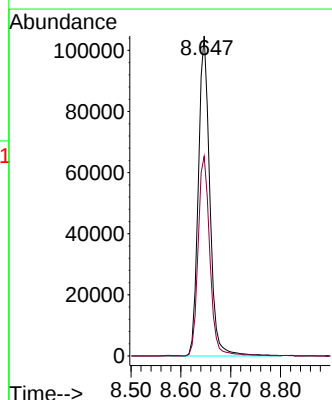
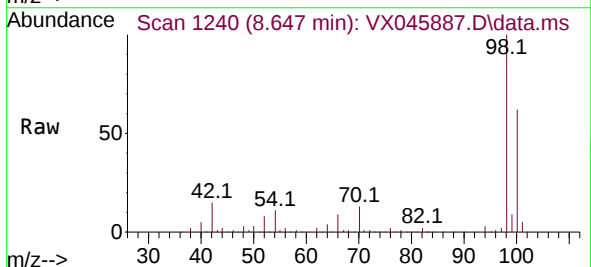
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#08

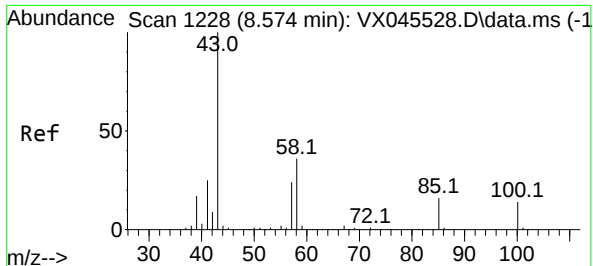
Tgt Ion: 41 Resp: 51519
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 57.7 53.6 80.4



#50
Toluene-d8
Concen: 51.218 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045887.D
Acq: 22 Apr 2025 16:03

Tgt Ion: 98 Resp: 167081
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.4

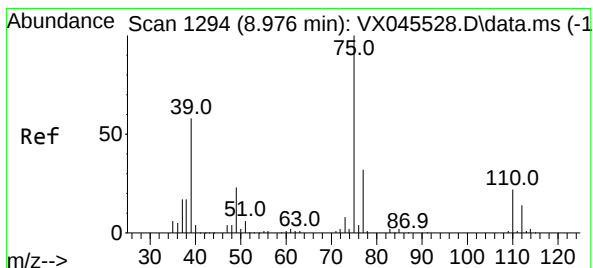
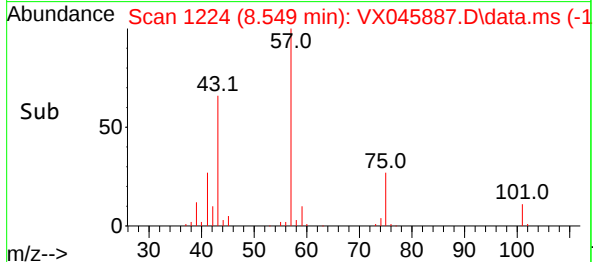
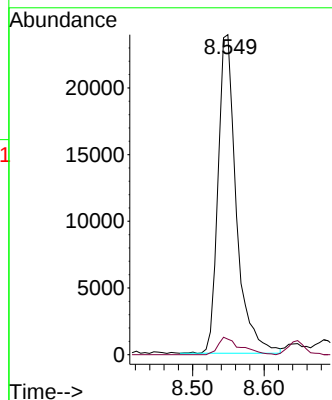
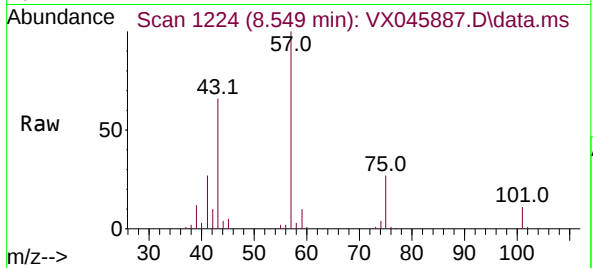




#51
4-Methyl-2-Pentanone
Concen: 26.525 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045887.D
Acq: 22 Apr 2025 16:03

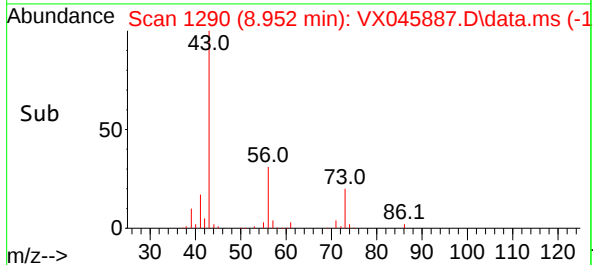
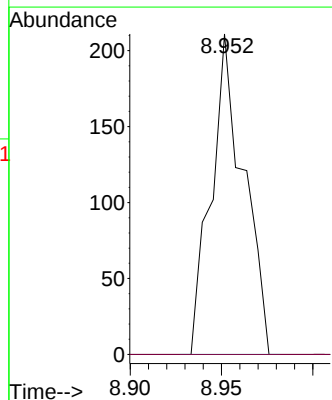
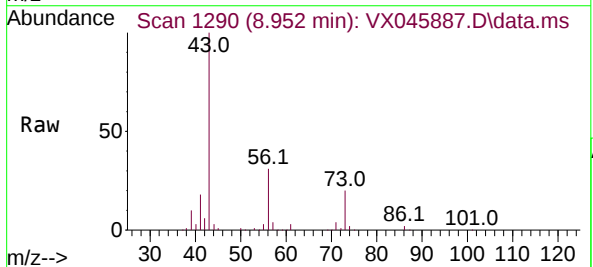
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#08

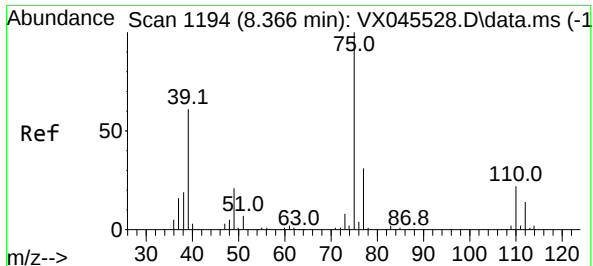
Tgt Ion: 43 Resp: 42381
Ion Ratio Lower Upper
43 100
58 6.6 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.465 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX045887.D
Acq: 22 Apr 2025 16:03

Tgt Ion: 75 Resp: 261
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#





#54

cis-1,3-Dichloropropene

Concen: 12.158 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. 0.183 min

Lab File: VX045887.D

Acq: 22 Apr 2025 16:03

Instrument :

MSVOA_X

ClientSampleId :

PB167661ZHE#08

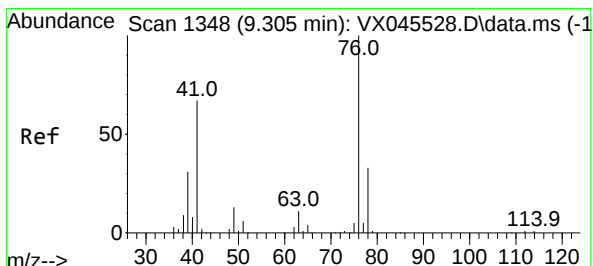
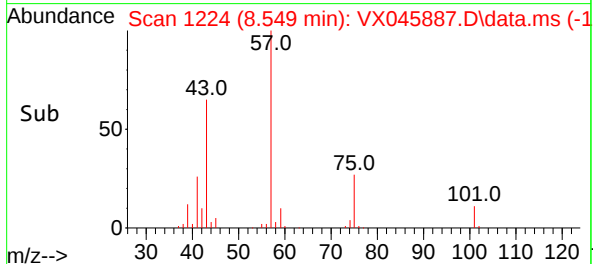
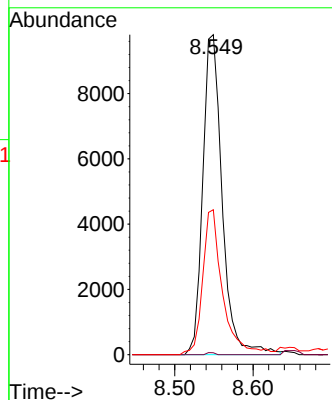
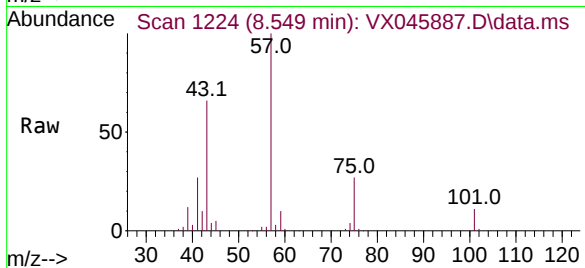
Tgt Ion: 75 Resp: 16842

Ion Ratio Lower Upper

75 100

77 0.6 24.6 36.8#

39 45.3 48.4 72.6#



#57

1,3-Dichloropropane

Concen: 0.960 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX045887.D

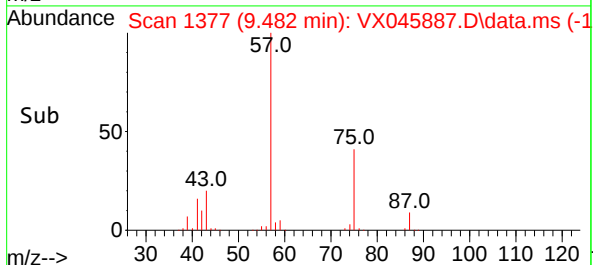
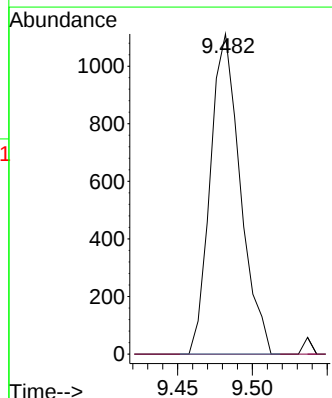
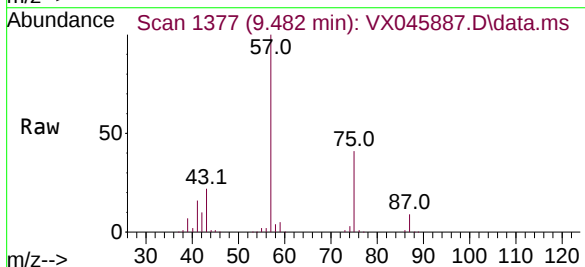
Acq: 22 Apr 2025 16:03

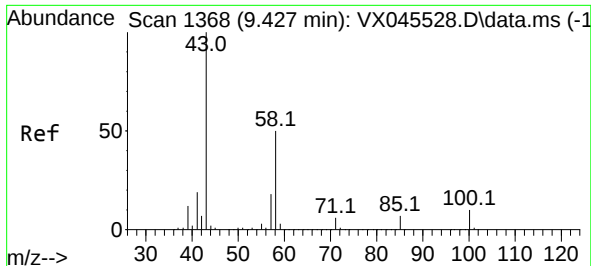
Tgt Ion: 76 Resp: 1553

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#

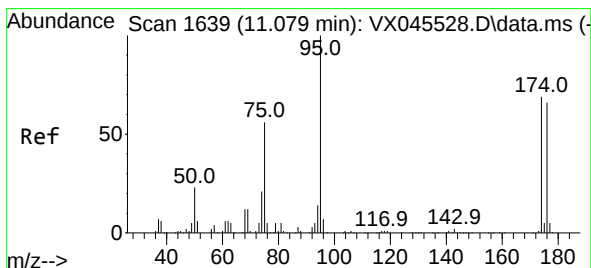
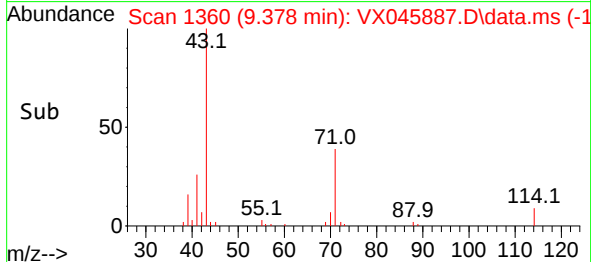
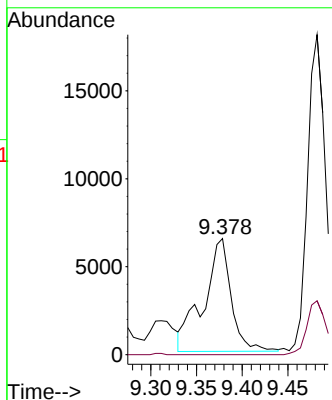
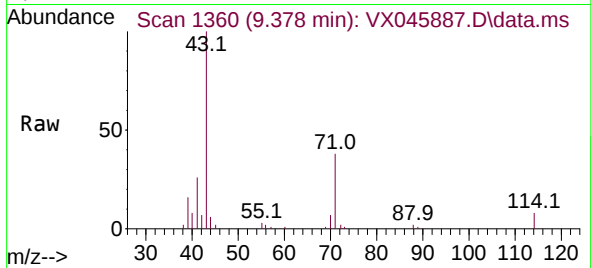




#59
2-Hexanone
Concen: 11.414 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX045887.D
Acq: 22 Apr 2025 16:03

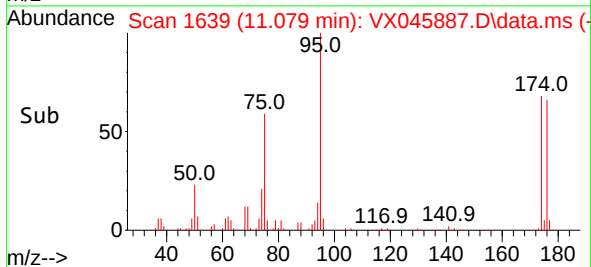
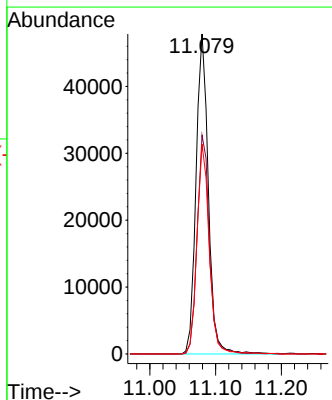
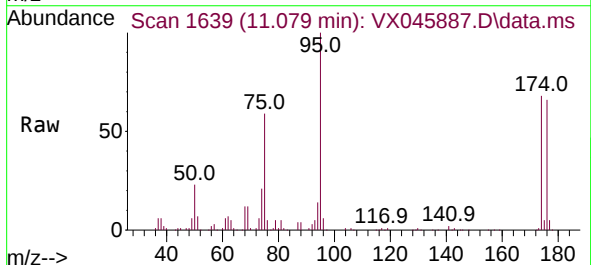
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#08

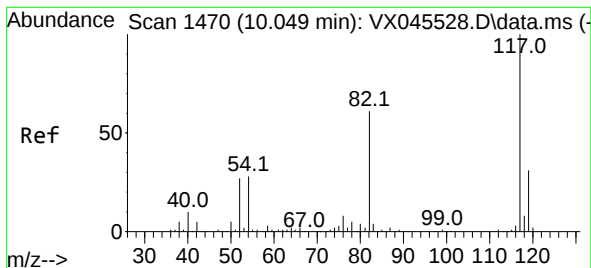
Tgt Ion: 43 Resp: 13505
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 52.294 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045887.D
Acq: 22 Apr 2025 16:03

Tgt Ion: 95 Resp: 62138
Ion Ratio Lower Upper
95 100
174 68.0 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: VX045887.D

Acq: 22 Apr 2025 16:03

Instrument :

MSVOA_X

ClientSampleId :

PB167661ZHE#08

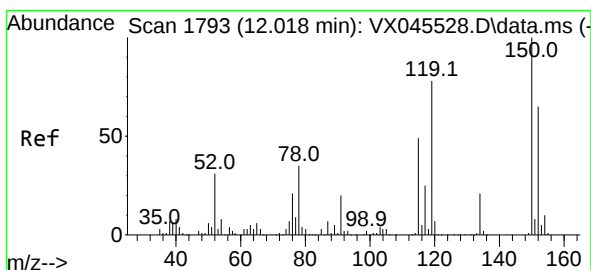
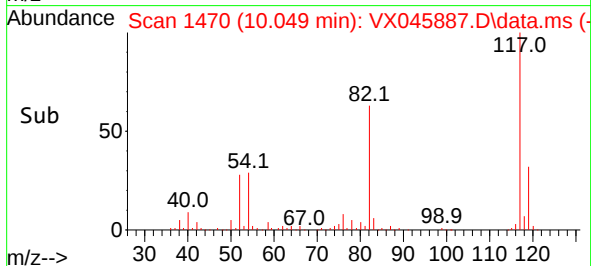
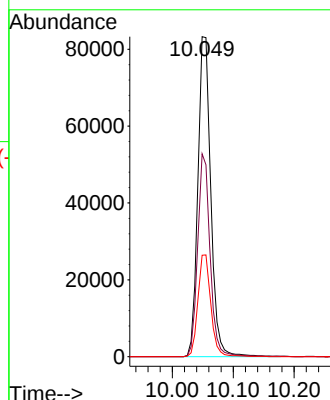
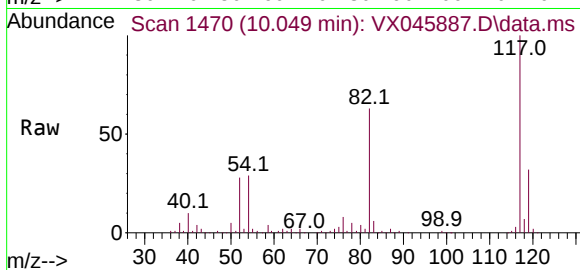
Tgt Ion:117 Resp: 122810

Ion Ratio Lower Upper

117 100

82 63.4 49.2 73.8

119 31.7 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: VX045887.D

Acq: 22 Apr 2025 16:03

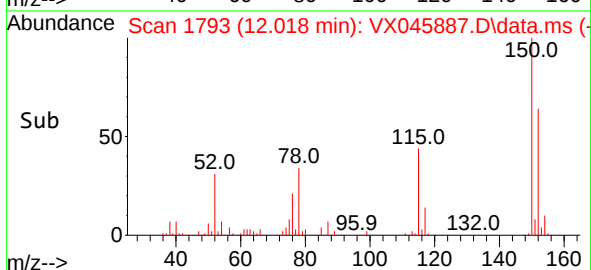
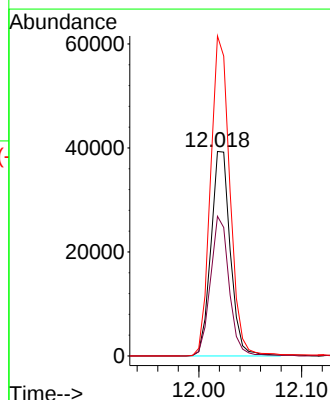
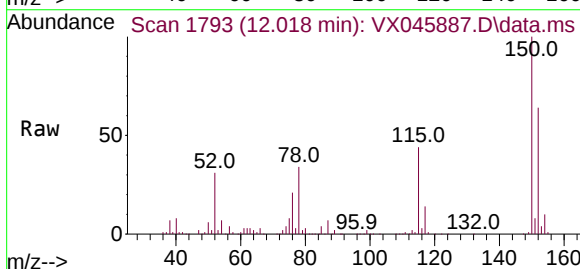
Tgt Ion:152 Resp: 51484

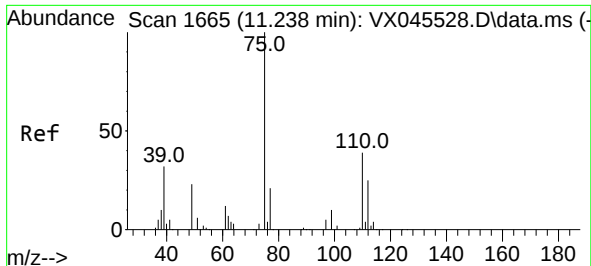
Ion Ratio Lower Upper

152 100

115 65.9 46.9 140.7

150 157.1 0.0 349.4

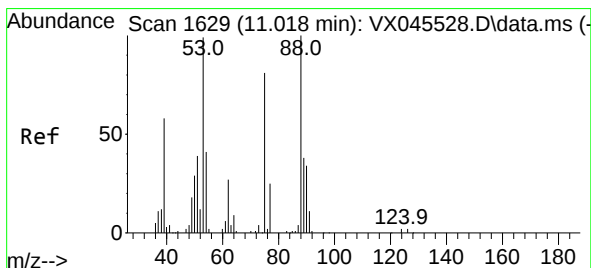
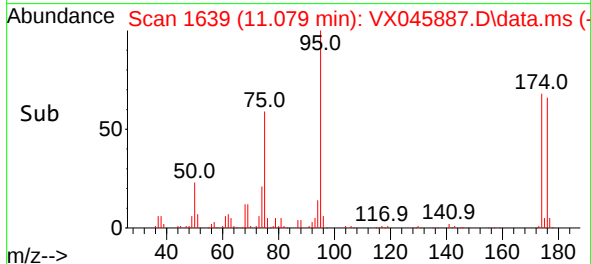
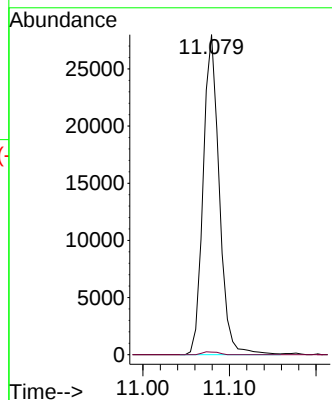
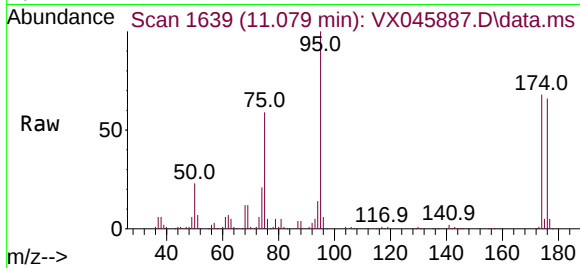




#76
1,2,3-Trichloropropane
Concen: 28.779 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045887.D
Acq: 22 Apr 2025 16:03

Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#08

Tgt Ion: 75 Resp: 36141
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.672 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045887.D
Acq: 22 Apr 2025 16:03

Tgt Ion: 75 Resp: 36141
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

