

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042225\
 Data File : VX045888.D
 Acq On : 22 Apr 2025 16:27
 Operator : JC/MD
 Sample : PB167661ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167661ZHE#01

Quant Time: Apr 23 01:35:29 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)

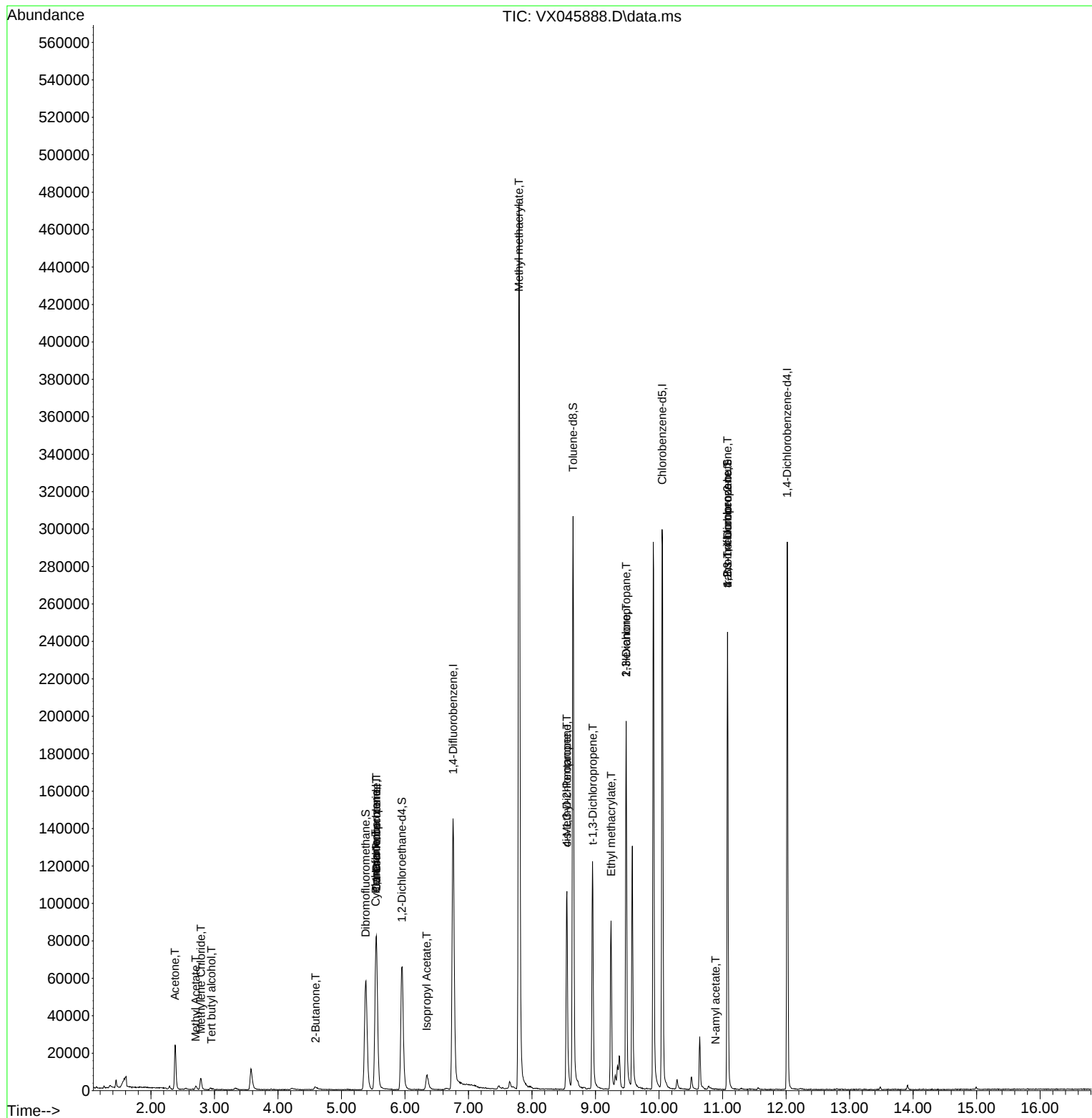
Internal Standards						
1) Pentafluorobenzene	5.544	168	70819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136783	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52330	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69371	53.564	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.120%	
35) Dibromofluoromethane	5.379	113	50274	51.803	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.600%	
50) Toluene-d8	8.647	98	172125	50.814	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.620%	
62) 4-Bromofluorobenzene	11.079	95	63195	51.218	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.440%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	605	3.476	ug/l #	72
16) Acetone	2.380	43	26393	49.629	ug/l	98
18) Methyl Acetate	2.703	43	2543	2.077	ug/l	95
20) Methylene Chloride	2.788	84	2655	2.667	ug/l	93
25) 2-Butanone	4.593	43	3326	4.273	ug/l	98
31) Cyclohexane	5.537	56	2164	1.362	ug/l #	49
36) 1,1-Dichloropropene	5.550	75	7056	5.385	ug/l #	50
38) Carbon Tetrachloride	5.550	117	8431	5.953	ug/l #	16
43) Isopropyl Acetate	6.342	43	12309	4.918	ug/l	98
48) Methyl methacrylate	7.793	41	47503	36.761	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	41987	25.307	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	257	2.456	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	16395	11.397	ug/l #	72
56) Ethyl methacrylate	9.244	69	321	0.215	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1594	0.949	ug/l #	42
59) 2-Hexanone	9.482	43	25974	21.141	ug/l #	54
74) N-amyl acetate	10.890	43	418	0.208	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	37048	29.024	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37048	98.505	ug/l #	1

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

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Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#01

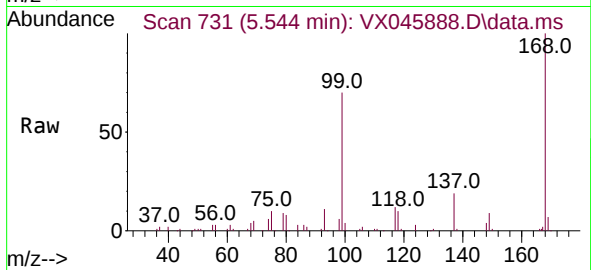
Quant Time: Apr 23 01:35:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



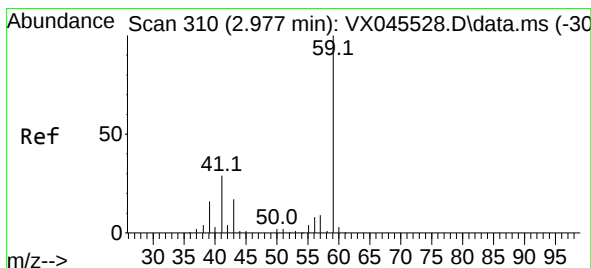
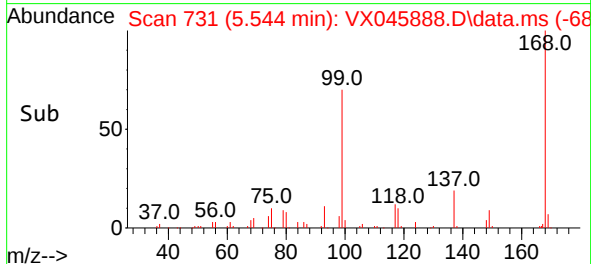
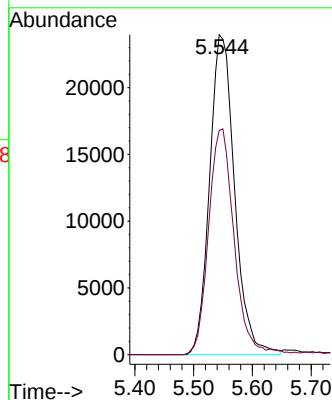


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045888.D
Acq: 22 Apr 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#01

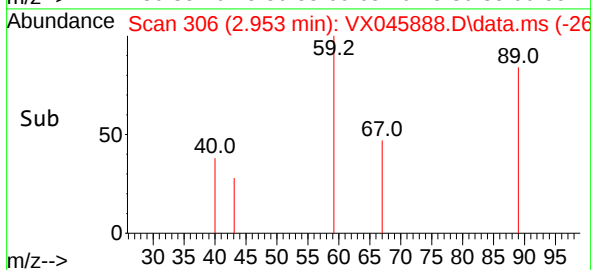
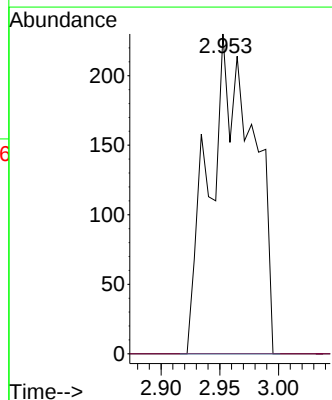
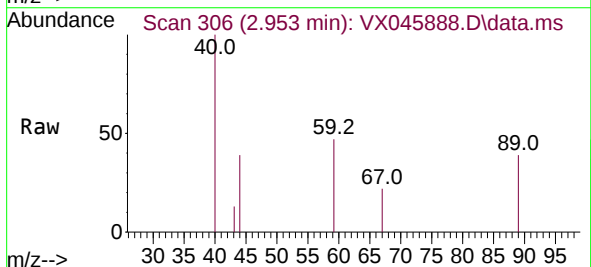


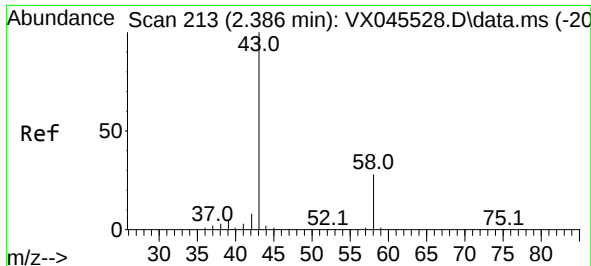
Tgt Ion:168 Resp: 70819
Ion Ratio Lower Upper
168 100
99 70.1 52.3 78.5



#11
Tert butyl alcohol
Concen: 3.476 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX045888.D
Acq: 22 Apr 2025 16:27

Tgt Ion: 59 Resp: 605
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

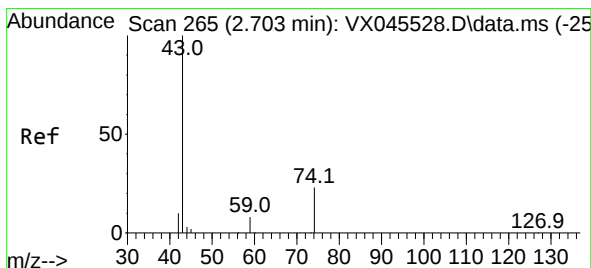
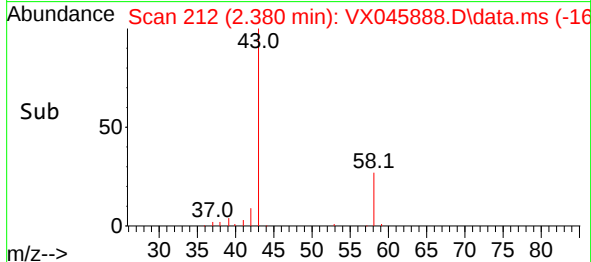
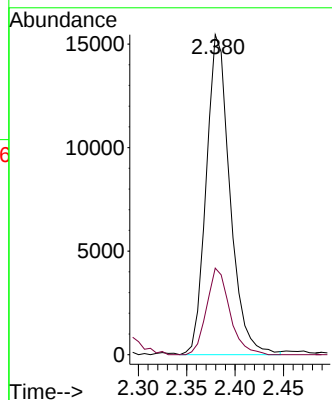
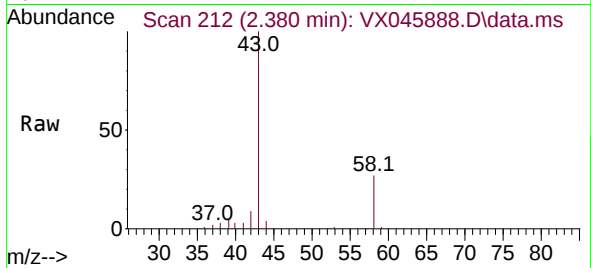




#16
Acetone
Concen: 49.629 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045888.D
Acq: 22 Apr 2025 16:27

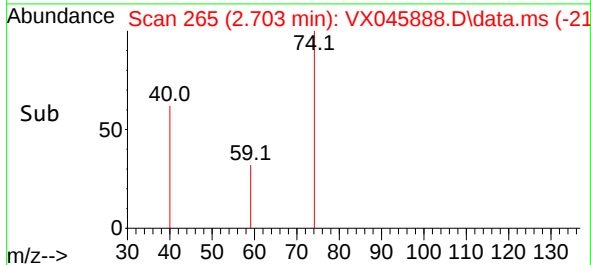
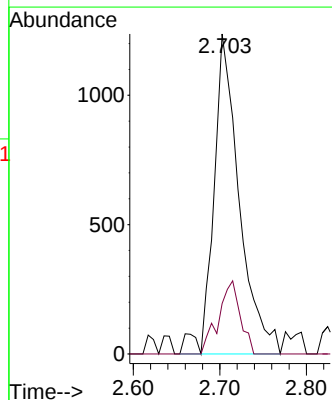
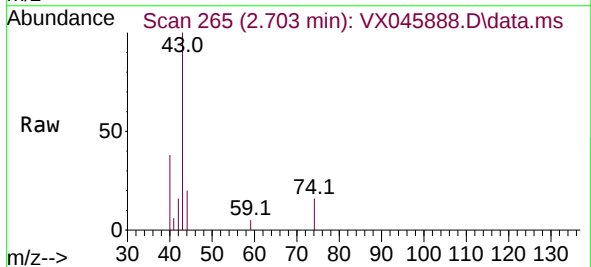
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#01

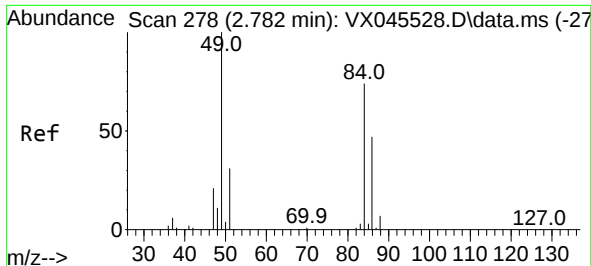
Tgt Ion: 43 Resp: 26393
Ion Ratio Lower Upper
43 100
58 27.1 22.3 33.5



#18
Methyl Acetate
Concen: 2.077 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045888.D
Acq: 22 Apr 2025 16:27

Tgt Ion: 43 Resp: 2543
Ion Ratio Lower Upper
43 100
74 19.3 17.5 26.3

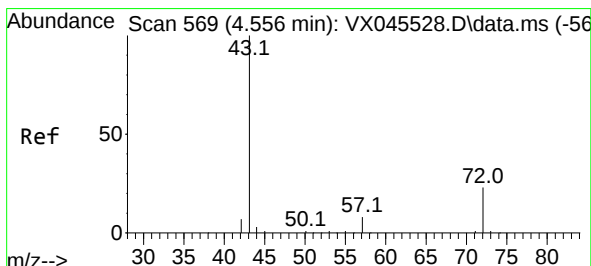
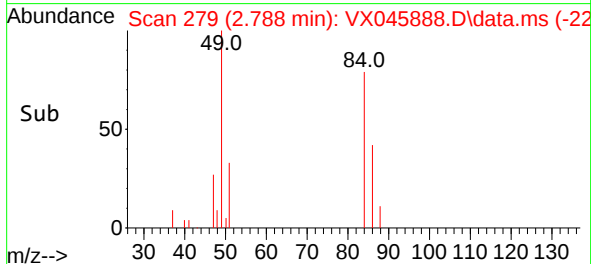
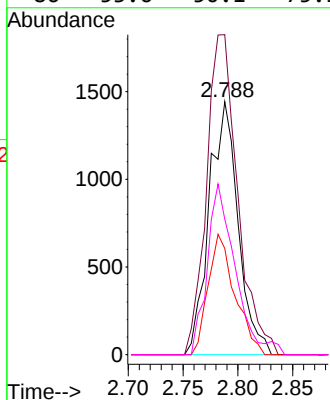
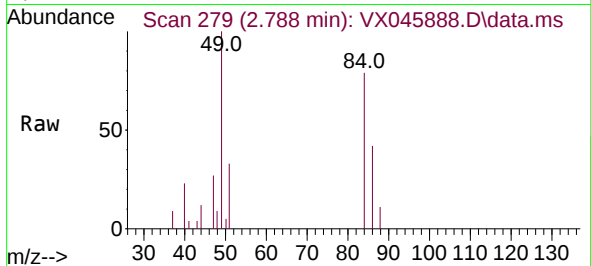




#20
Methylene Chloride
Concen: 2.667 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045888.D
Acq: 22 Apr 2025 16:27

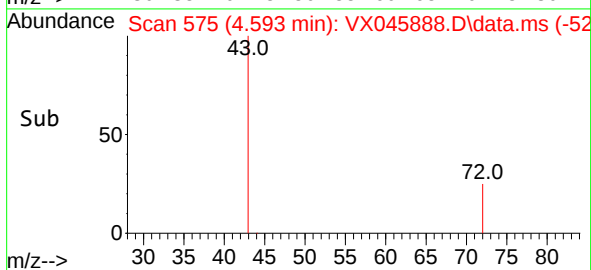
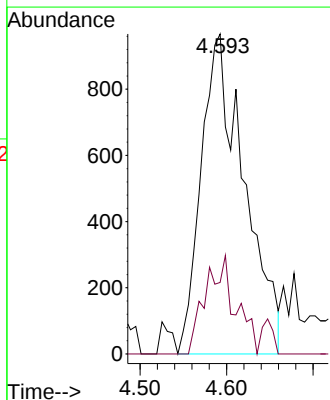
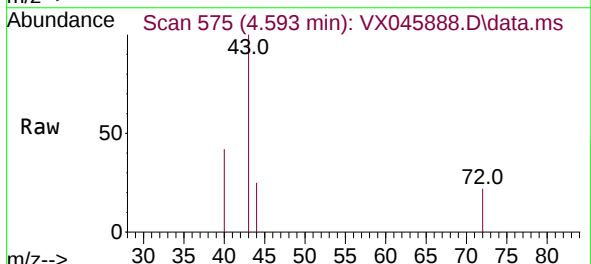
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#01

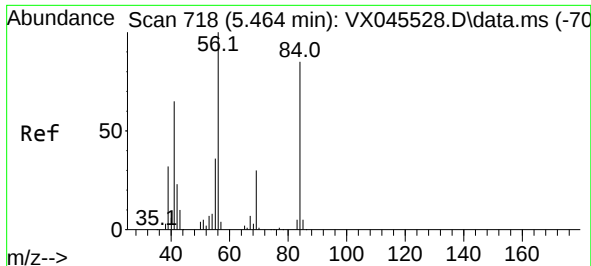
Tgt Ion: 84	Resp: 2655
Ion Ratio	Lower Upper
84 100	
49 126.5	107.5 161.3
51 42.0	33.0 49.6
86 53.6	50.1 75.1



#25
2-Butanone
Concen: 4.273 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.036 min
Lab File: VX045888.D
Acq: 22 Apr 2025 16:27

Tgt Ion: 43	Resp: 3326		
Ion Ratio	Lower	Upper	
43 100			
72 22.3	18.6	28.0	

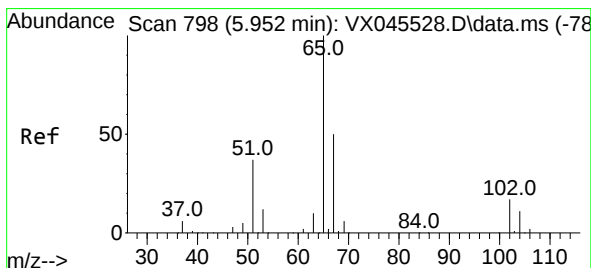
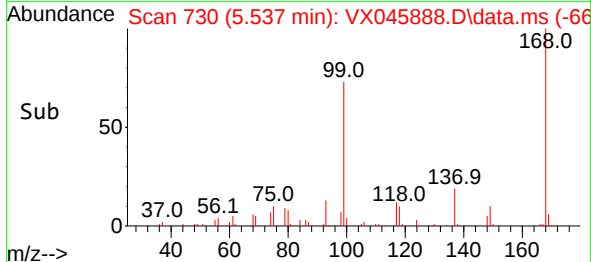
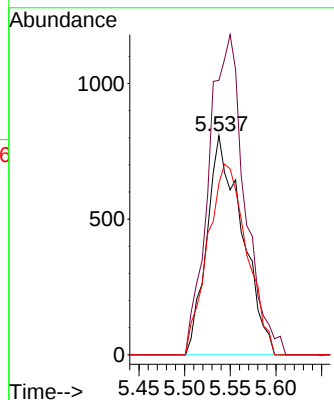
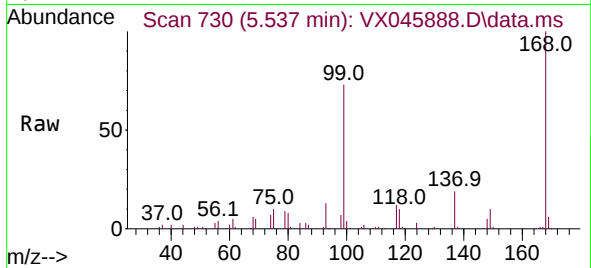




#31
Cyclohexane
Concen: 1.362 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045888.D
Acq: 22 Apr 2025 16:27

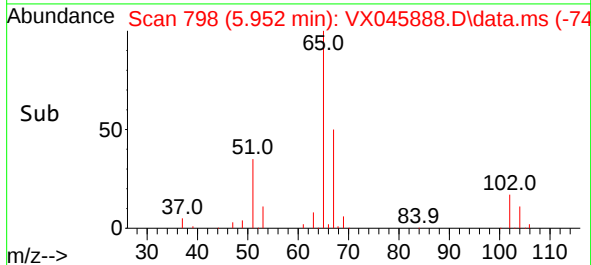
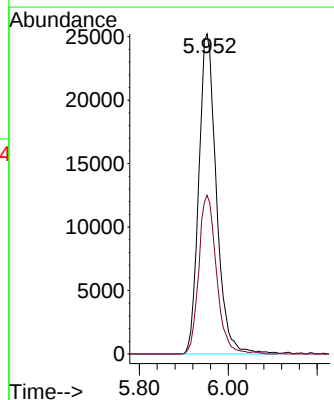
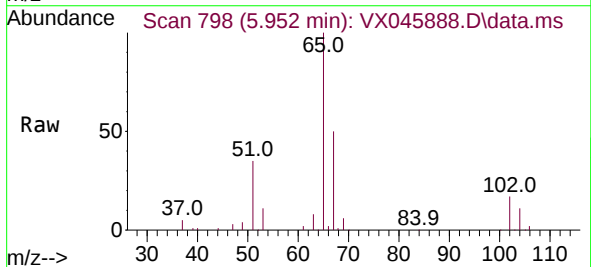
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#01

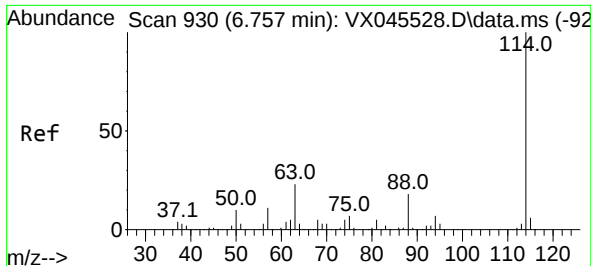
Tgt Ion: 56 Resp: 2164
Ion Ratio Lower Upper
56 100
69 125.2 23.6 35.4#
84 78.2 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 53.564 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045888.D
Acq: 22 Apr 2025 16:27

Tgt Ion: 65 Resp: 69371
Ion Ratio Lower Upper
65 100
67 49.9 0.0 99.0

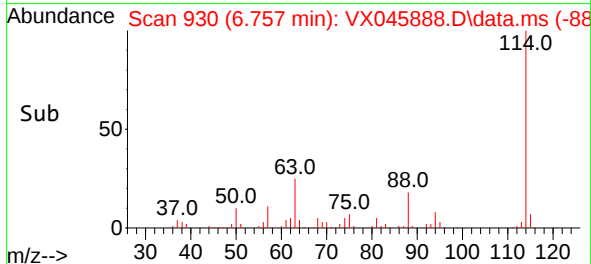
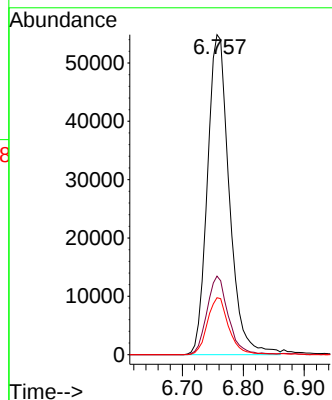
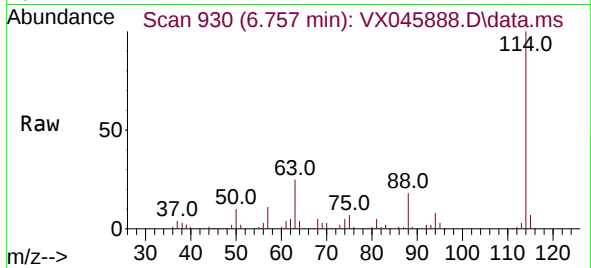




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045888.D
Acq: 22 Apr 2025 16:27

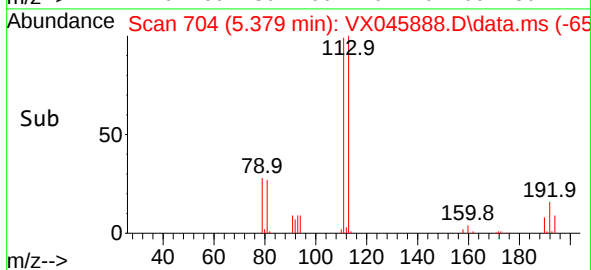
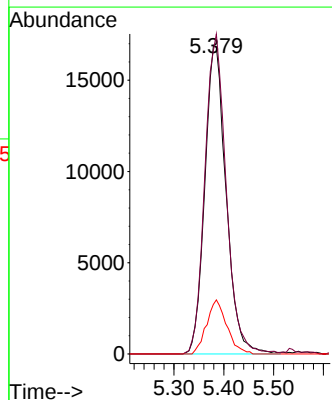
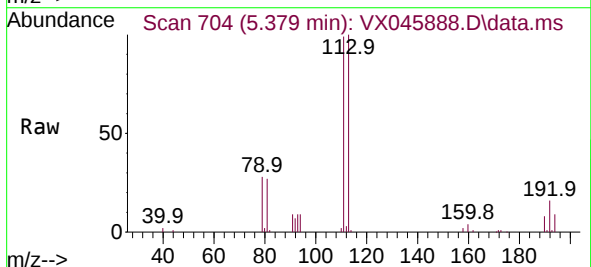
Instrument :
MSVOA_X
ClientSampleId :
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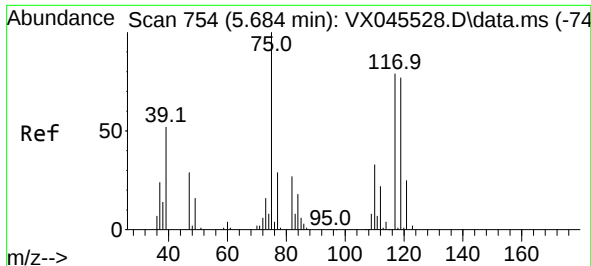
Tgt Ion:114 Resp: 136783
Ion Ratio Lower Upper
114 100
63 24.6 0.0 46.8
88 17.8 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.803 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045888.D
Acq: 22 Apr 2025 16:27

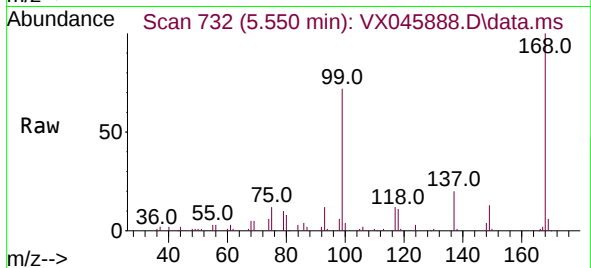
Tgt Ion:113 Resp: 50274
Ion Ratio Lower Upper
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111 103.6 81.8 122.6
192 16.6 13.8 20.6



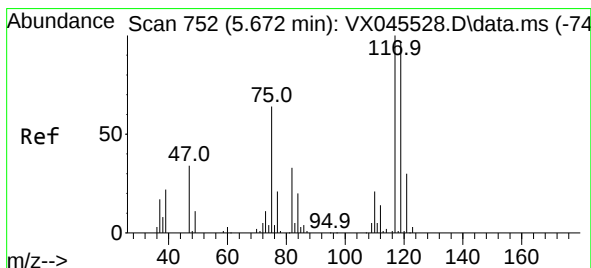
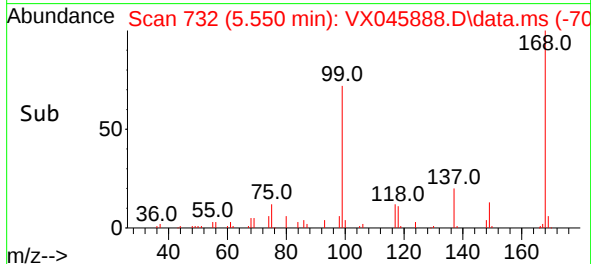
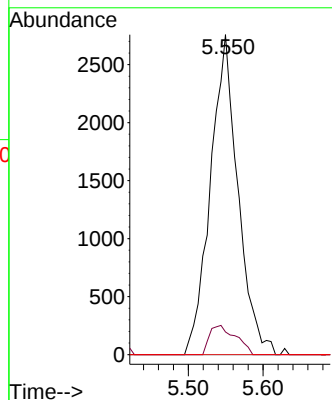


#36
1,1-Dichloropropene
Concen: 5.385 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX045888.D
Acq: 22 Apr 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#01

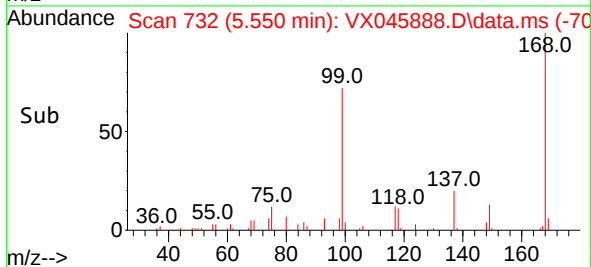
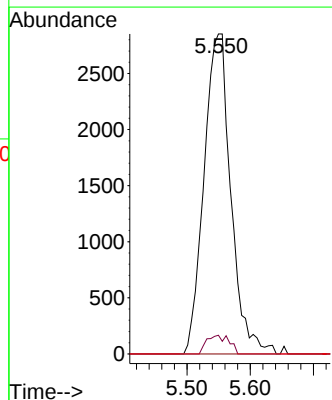
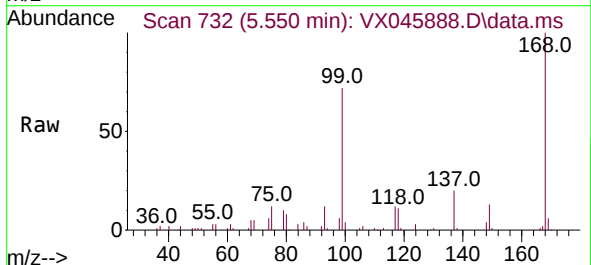


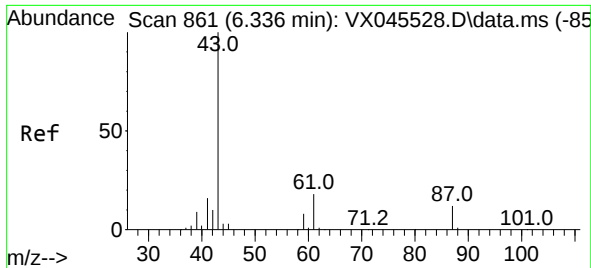
Tgt Ion: 75 Resp: 7056
Ion Ratio Lower Upper
75 100
110 8.7 16.9 50.6#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.953 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX045888.D
Acq: 22 Apr 2025 16:27

Tgt Ion: 117 Resp: 8431
Ion Ratio Lower Upper
117 100
119 5.8 76.9 115.3#
121 0.0 24.2 36.2#

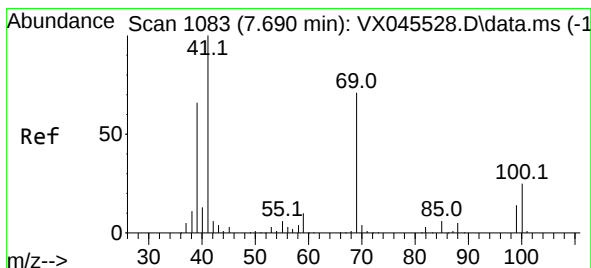
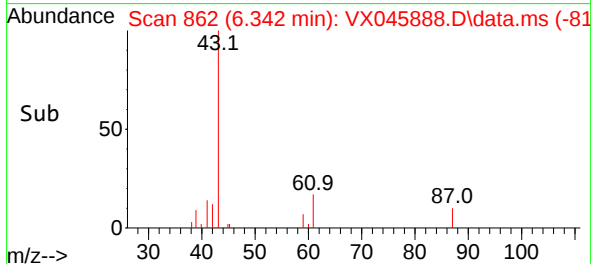
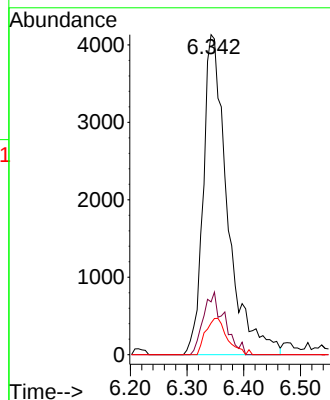
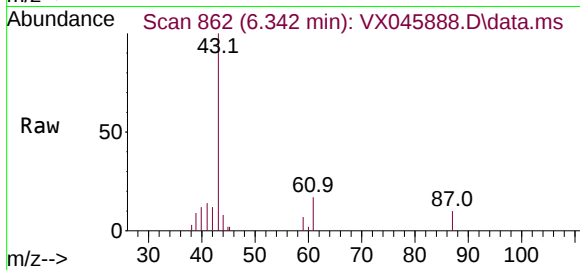




#43
Isopropyl Acetate
Concen: 4.918 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045888.D
Acq: 22 Apr 2025 16:27

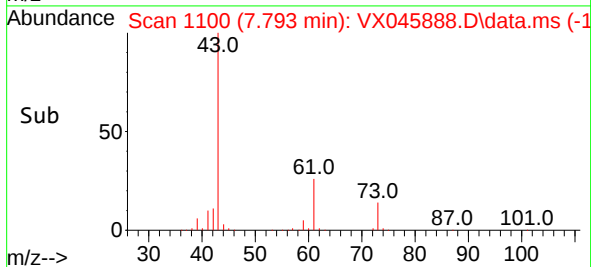
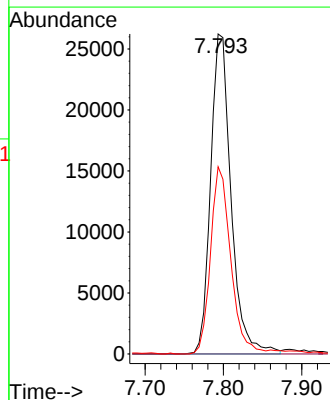
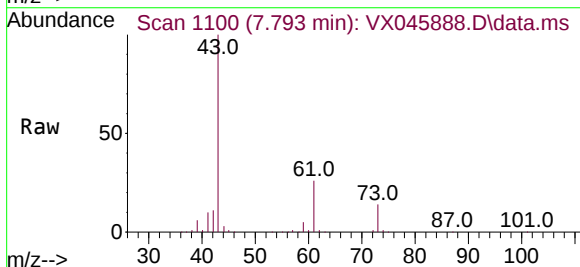
Instrument :
MSVOA_X
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PB167661ZHE#01

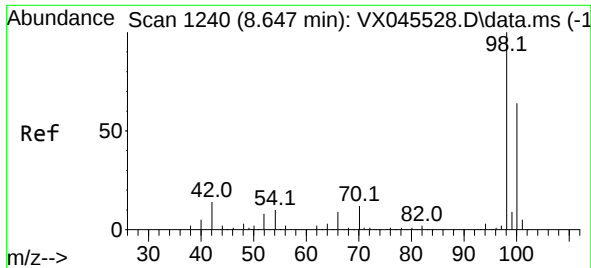
Tgt Ion: 43 Resp: 12309
Ion Ratio Lower Upper
43 100
61 17.0 14.1 21.1
87 10.0 9.2 13.8



#48
Methyl methacrylate
Concen: 36.761 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045888.D
Acq: 22 Apr 2025 16:27

Tgt Ion: 41 Resp: 47503
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 57.7 53.6 80.4

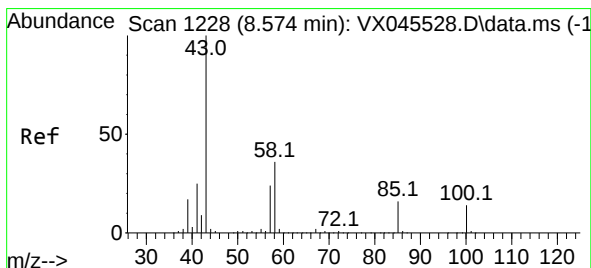
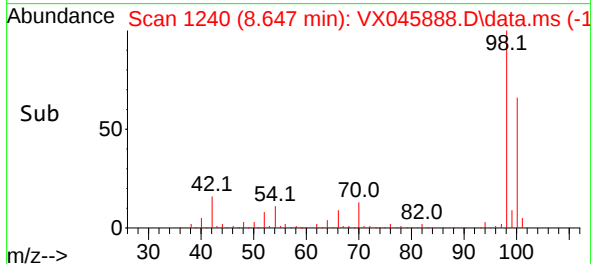
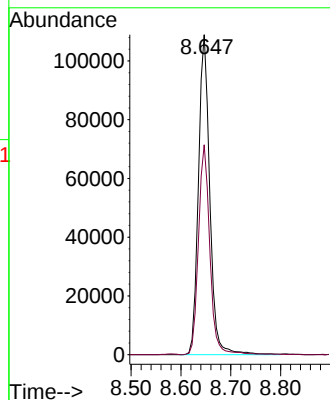
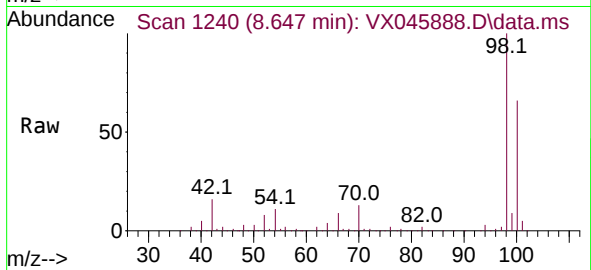




#50
Toluene-d8
Concen: 50.814 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045888.D
Acq: 22 Apr 2025 16:27

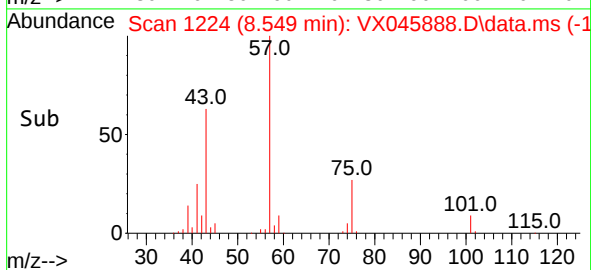
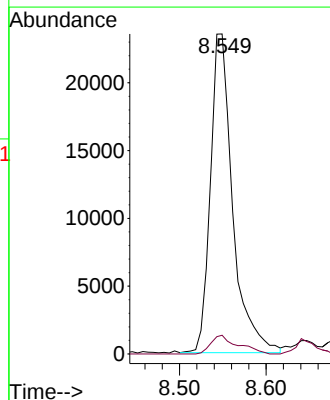
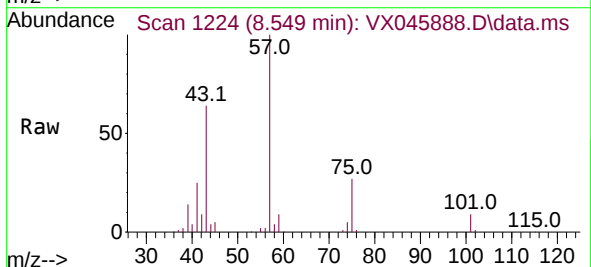
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#01

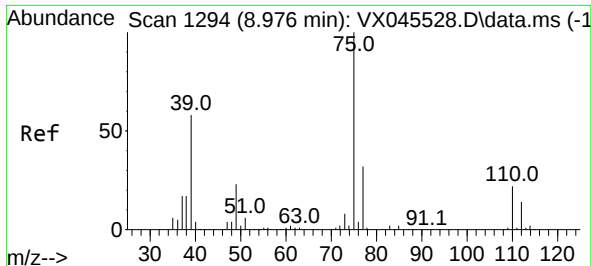
Tgt Ion: 98 Resp: 172125
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 25.307 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045888.D
Acq: 22 Apr 2025 16:27

Tgt Ion: 43 Resp: 41987
Ion Ratio Lower Upper
43 100
58 7.1 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.456 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX045888.D

Acq: 22 Apr 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

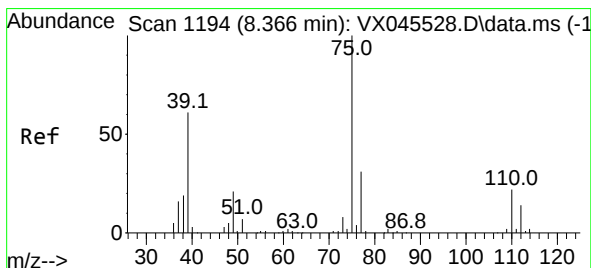
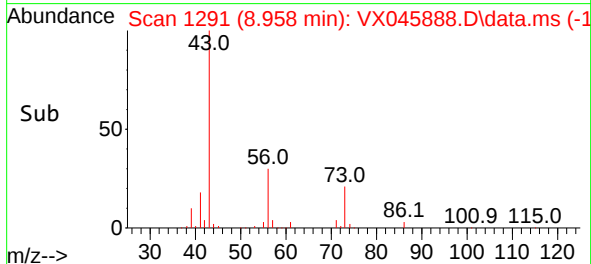
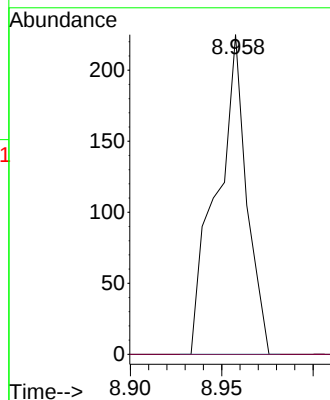
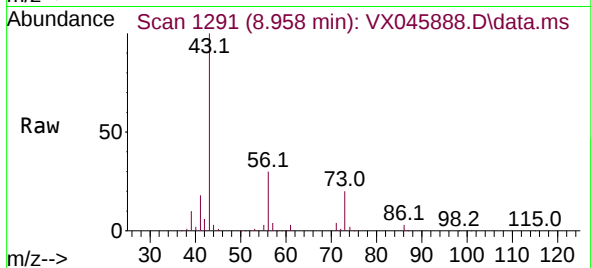
PB167661ZHE#01

Tgt Ion: 75 Resp: 257

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 11.397 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045888.D

Acq: 22 Apr 2025 16:27

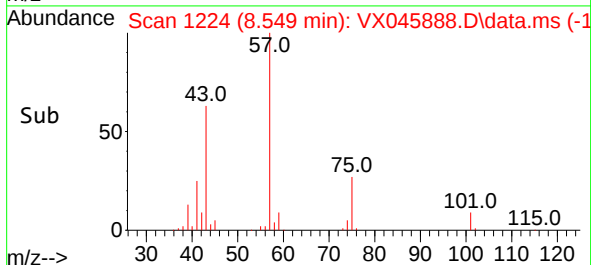
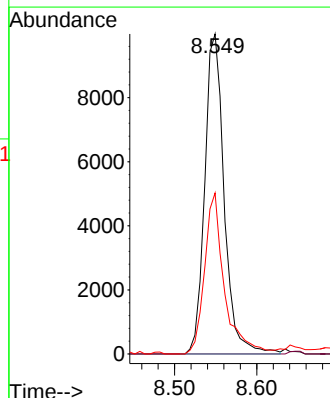
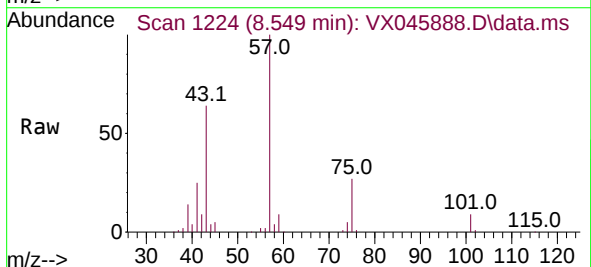
Tgt Ion: 75 Resp: 16395

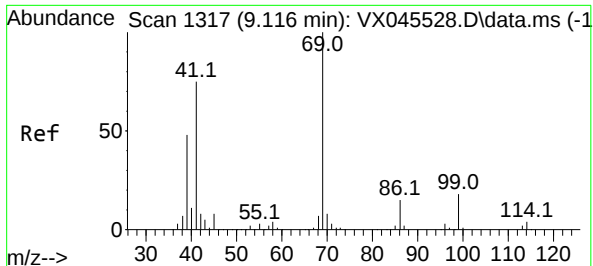
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 50.3 48.4 72.6





#56

Ethyl methacrylate

Concen: 0.215 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX045888.D

Acq: 22 Apr 2025 16:27

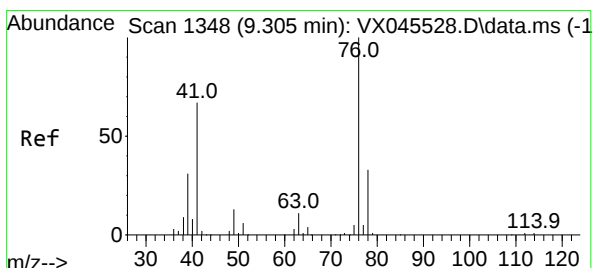
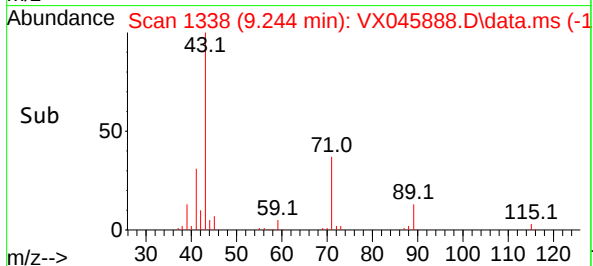
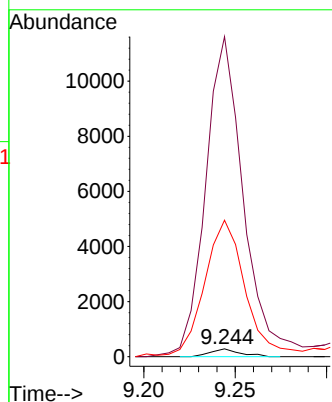
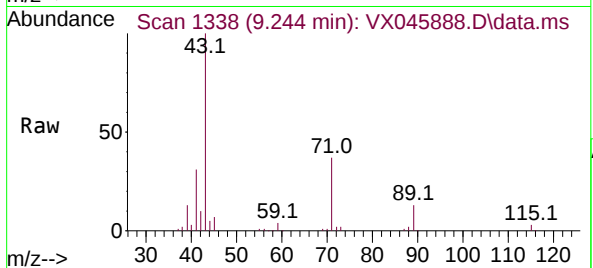
Instrument :

MSVOA_X

ClientSampleId :

PB167661ZHE#01

Tgt Ion:	69	Resp:	321
Ion	Ratio	Lower	Upper
69	100		
41	5238.9	61.3	91.9#
39	2419.3	40.2	60.2#



#57

1,3-Dichloropropane

Concen: 0.949 ug/l

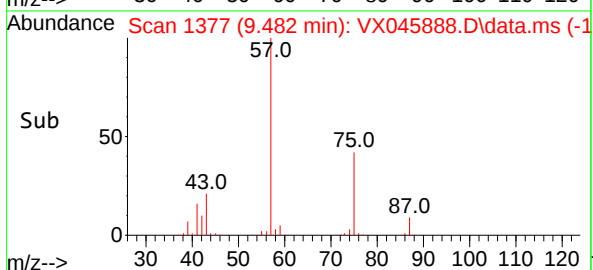
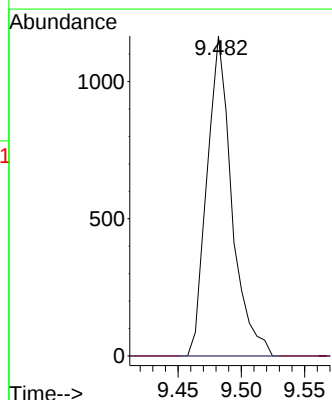
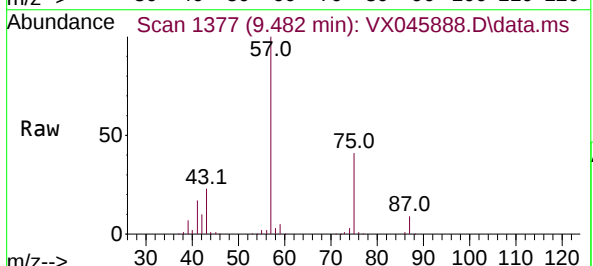
RT: 9.482 min Scan# 1377

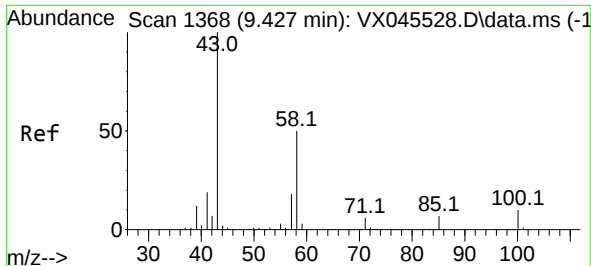
Delta R.T. 0.177 min

Lab File: VX045888.D

Acq: 22 Apr 2025 16:27

Tgt Ion:	76	Resp:	1594
Ion	Ratio	Lower	Upper
76	100		
78	0.0	26.0	39.0#





#59

2-Hexanone

Concen: 21.141 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX045888.D

Acq: 22 Apr 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

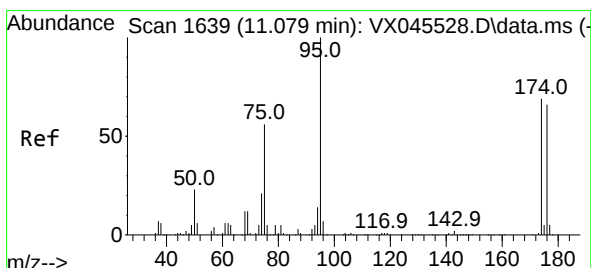
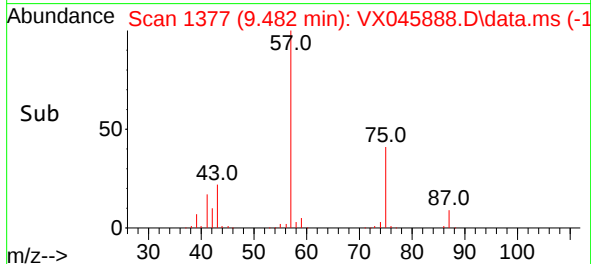
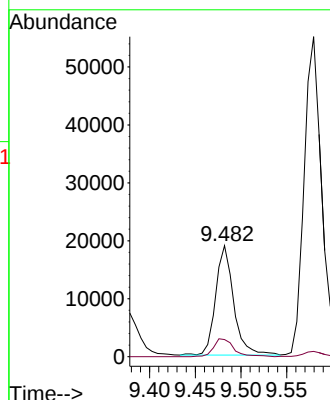
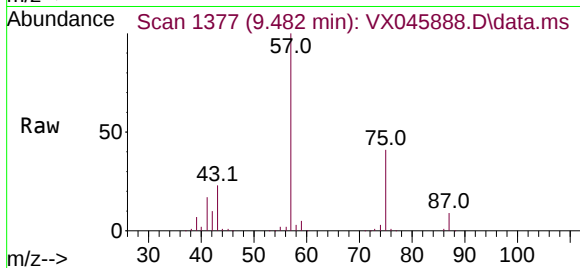
PB167661ZHE#01

Tgt Ion: 43 Resp: 25974

Ion Ratio Lower Upper

43 100

58 18.3 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 51.218 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045888.D

Acq: 22 Apr 2025 16:27

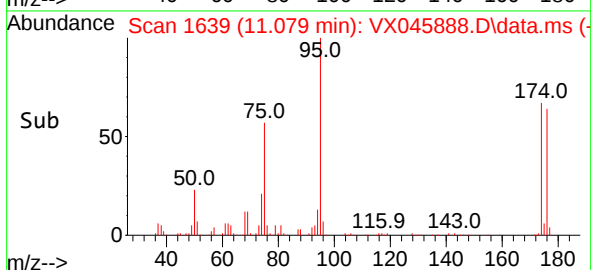
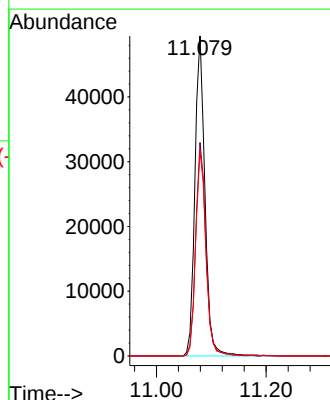
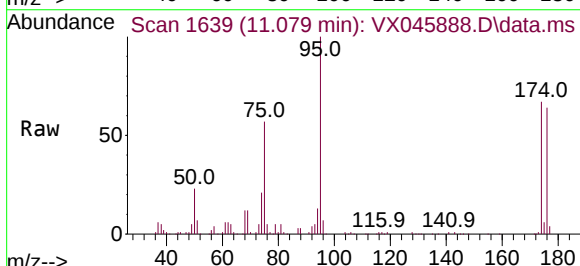
Tgt Ion: 95 Resp: 63195

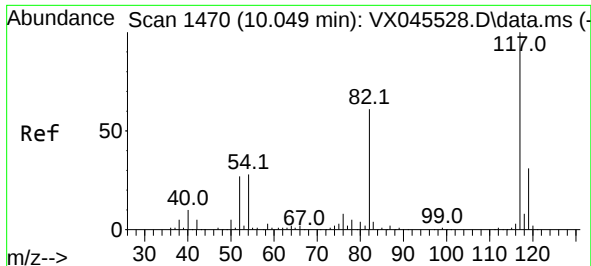
Ion Ratio Lower Upper

95 100

174 68.0 0.0 135.8

176 65.4 0.0 131.4

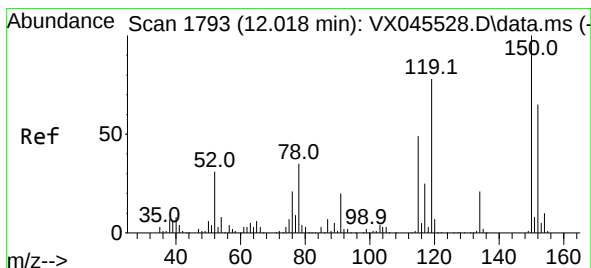
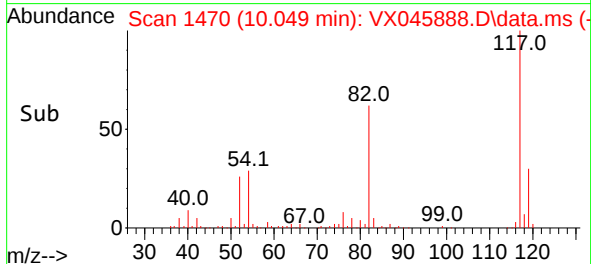
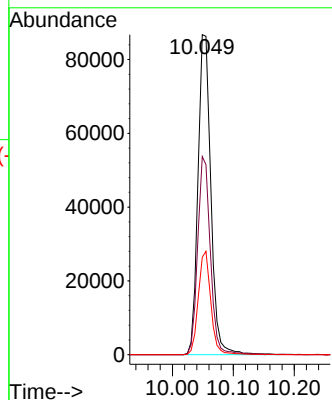
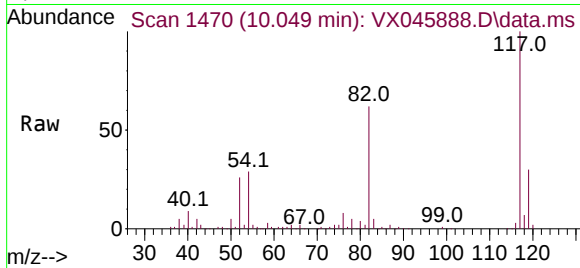




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045888.D
Acq: 22 Apr 2025 16:27

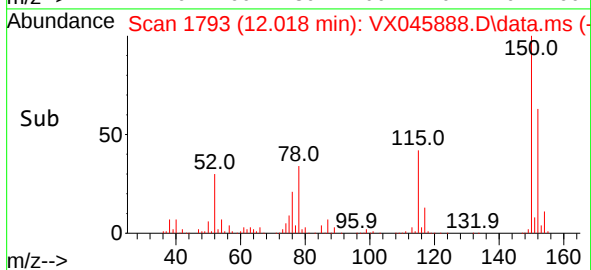
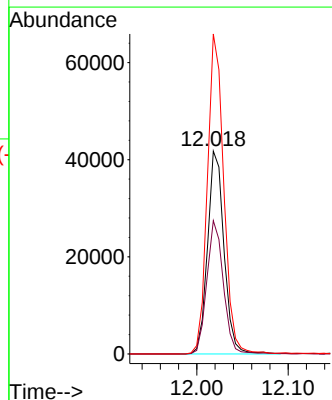
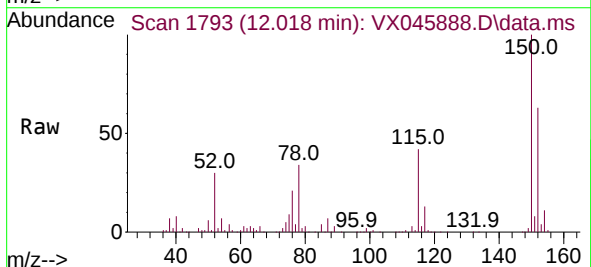
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#01

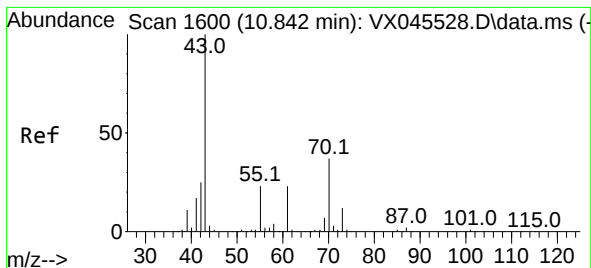
Tgt Ion:117 Resp: 127546
Ion Ratio Lower Upper
117 100
82 61.9 49.2 73.8
119 30.5 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045888.D
Acq: 22 Apr 2025 16:27

Tgt Ion:152 Resp: 52330
Ion Ratio Lower Upper
152 100
115 65.9 46.9 140.7
150 156.2 0.0 349.4





#74

N-amy1 acetate

Concen: 0.208 ug/l

RT: 10.890 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX045888.D

Acq: 22 Apr 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

PB167661ZHE#01

Tgt Ion: 43 Resp: 418

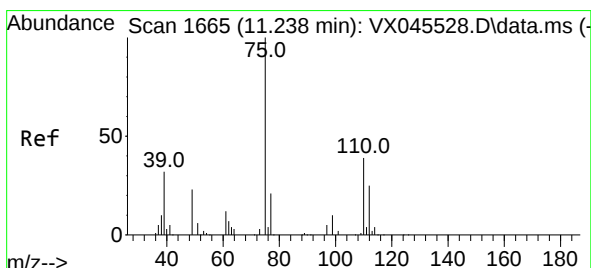
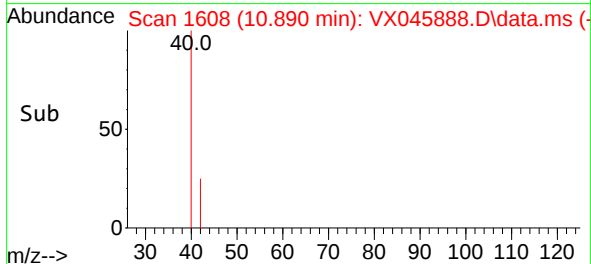
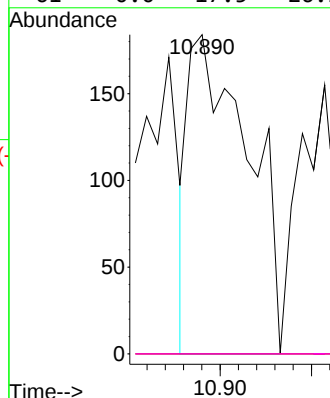
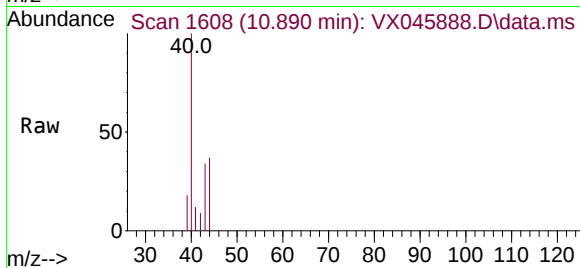
Ion Ratio Lower Upper

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: 29.024 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045888.D

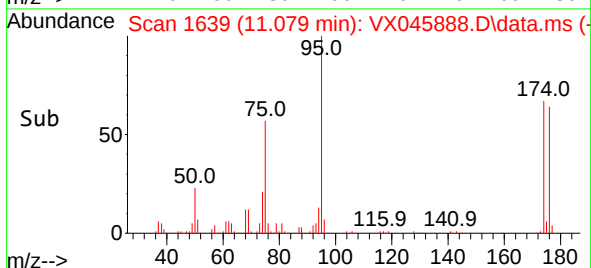
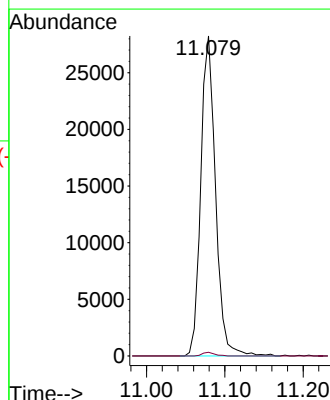
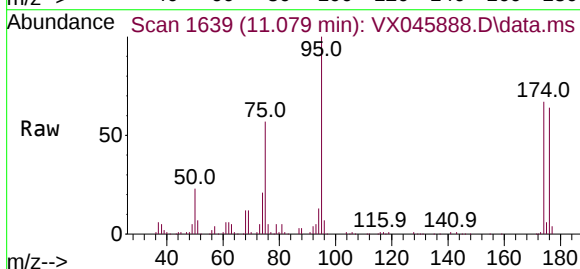
Acq: 22 Apr 2025 16:27

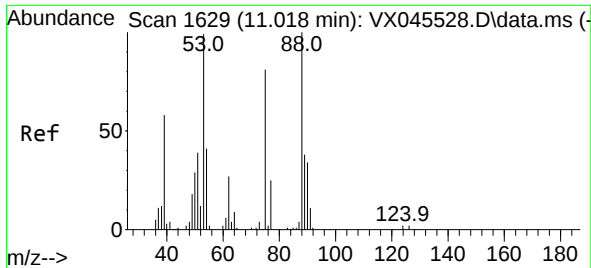
Tgt Ion: 75 Resp: 37048

Ion Ratio Lower Upper

75 100

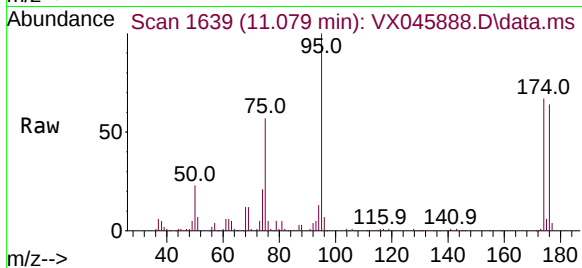
77 1.0 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.505 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045888.D
 Acq: 22 Apr 2025 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167661ZHE#01



Tgt Ion: 75 Resp: 37048
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

