

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
 Data File : VX045604.D
 Acq On : 04 Apr 2025 17:06
 Operator : JC/MD
 Sample : PB167448ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167448ZHE#03

Quant Time: Apr 04 23:13:39 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)

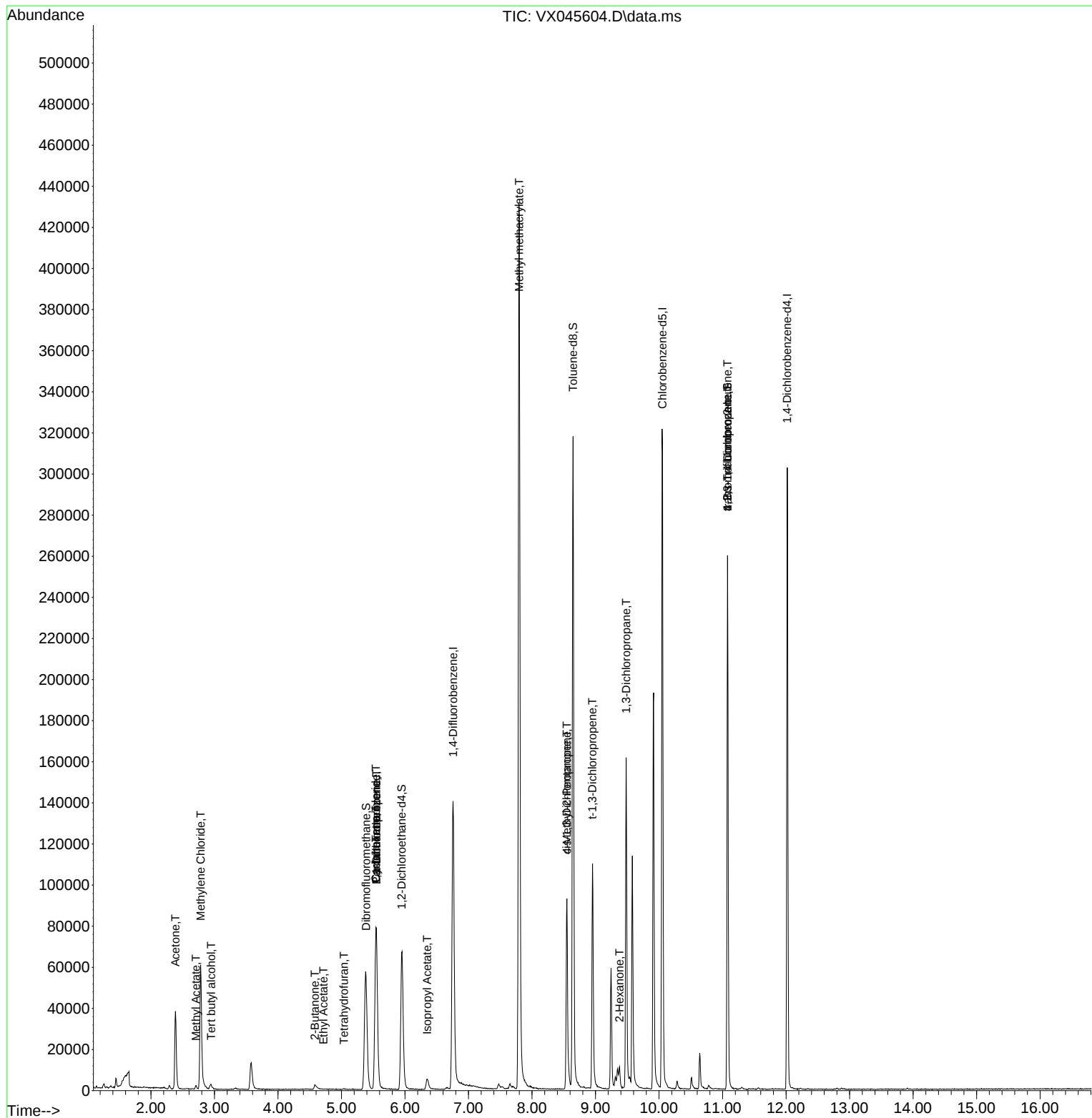
Internal Standards						
1) Pentafluorobenzene	5.550	168	67347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136039	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	132139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	68468	55.593	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.180%
35) Dibromofluoromethane	5.385	113	49136	50.908	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.820%
50) Toluene-d8	8.647	98	175374	52.056	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.120%
62) 4-Bromofluorobenzene	11.079	95	65541	53.410	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.820%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	1969	11.896	ug/l #	72
16) Acetone	2.386	43	44052	87.106	ug/l	97
18) Methyl Acetate	2.709	43	2679	2.301	ug/l	91
20) Methylene Chloride	2.782	84	28336	29.929	ug/l	98
25) 2-Butanone	4.580	43	4787	6.466	ug/l	98
29) Tetrahydrofuran	5.038	42	158	0.329	ug/l #	35
31) Cyclohexane	5.544	56	2009	1.330	ug/l #	14
36) 1,1-Dichloropropene	5.550	75	7072	5.427	ug/l #	50
37) Ethyl Acetate	4.714	43	335	0.204	ug/l #	71
38) Carbon Tetrachloride	5.544	117	8067	5.728	ug/l #	15
43) Isopropyl Acetate	6.348	43	8111	3.259	ug/l	97
48) Methyl methacrylate	7.799	41	44515	34.637	ug/l #	52
51) 4-Methyl-2-Pentanone	8.549	43	36635	22.202	ug/l #	48
53) t-1,3-Dichloropropene	8.951	75	275	2.468	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13197	9.224	ug/l #	76
57) 1,3-Dichloropropane	9.482	76	1312	0.785	ug/l #	42
59) 2-Hexanone	9.378	43	9061	7.415	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	38148	28.697	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	38148	97.392	ug/l #	1

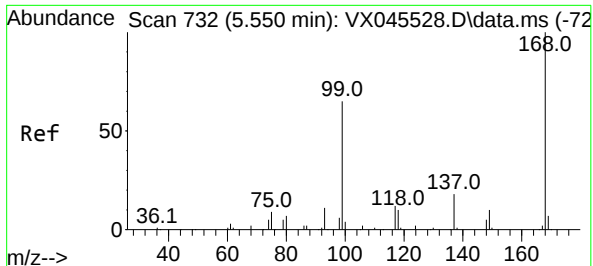
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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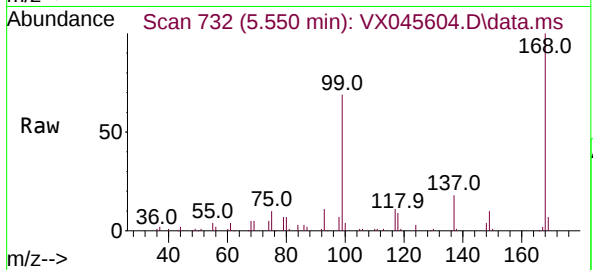
Quant Time: Apr 04 23:13:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



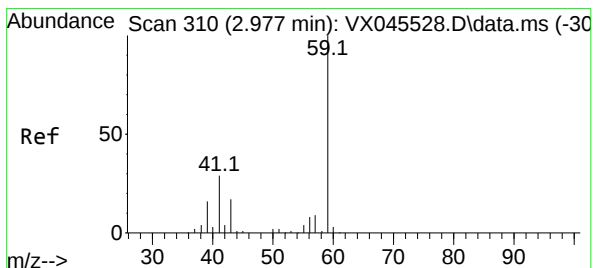
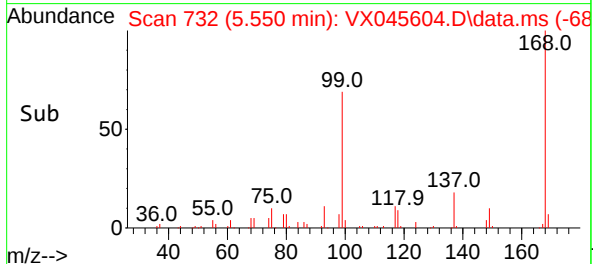
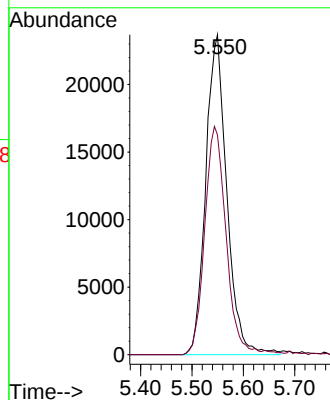


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045604.D
Acq: 04 Apr 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#03

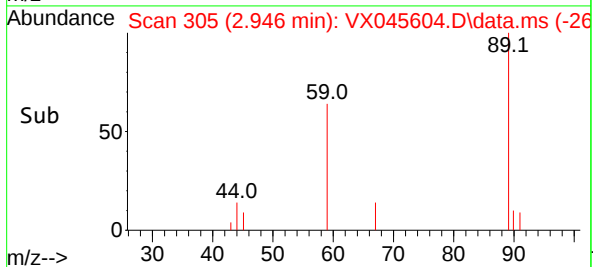
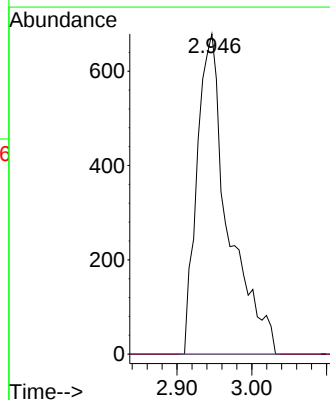
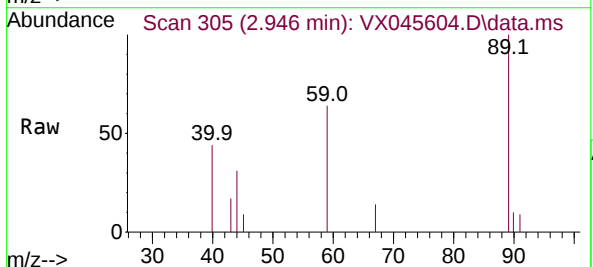


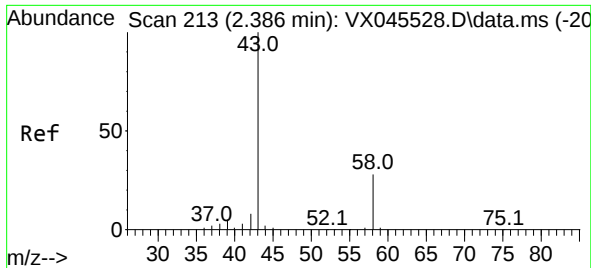
Tgt Ion:168 Resp: 67347
Ion Ratio Lower Upper
168 100
99 68.7 52.3 78.5



#11
Tert butyl alcohol
Concen: 11.896 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX045604.D
Acq: 04 Apr 2025 17:06

Tgt Ion: 59 Resp: 1969
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

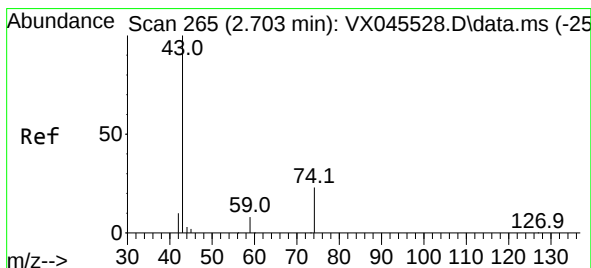
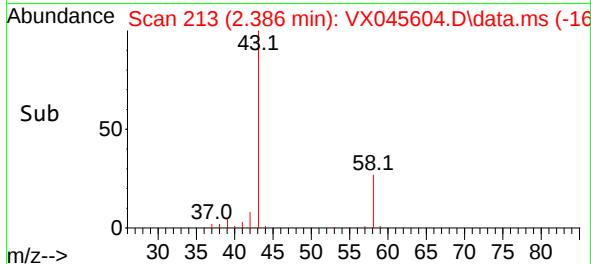
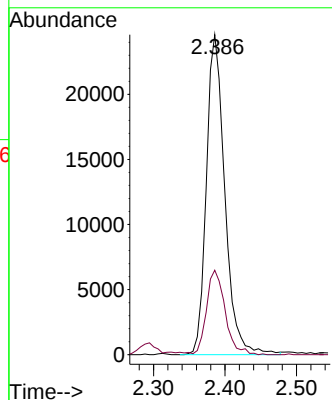
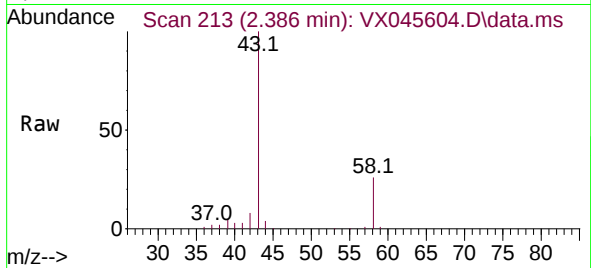




#16
Acetone
Concen: 87.106 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045604.D
Acq: 04 Apr 2025 17:06

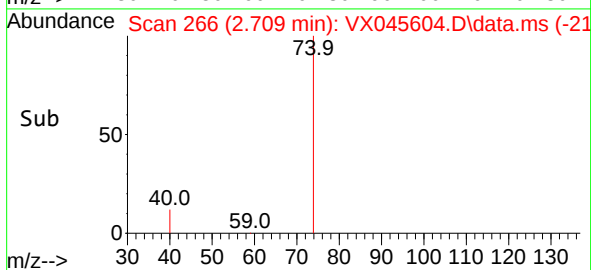
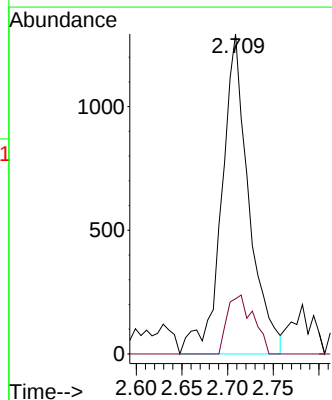
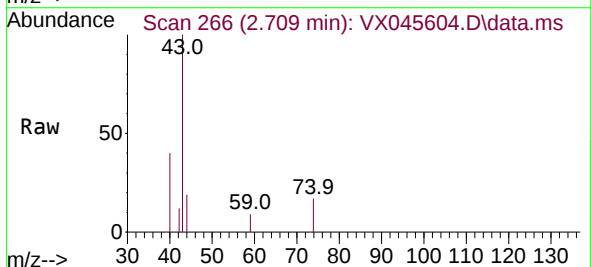
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#03

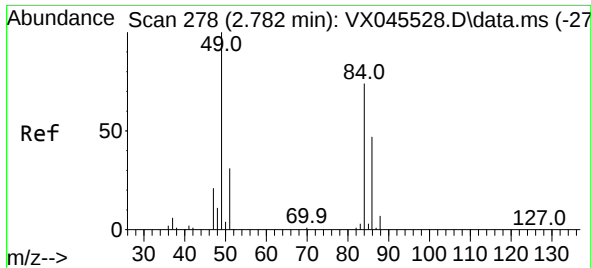
Tgt Ion: 43 Resp: 44052
Ion Ratio Lower Upper
43 100
58 26.4 22.3 33.5



#18
Methyl Acetate
Concen: 2.301 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045604.D
Acq: 04 Apr 2025 17:06

Tgt Ion: 43 Resp: 2679
Ion Ratio Lower Upper
43 100
74 17.5 17.5 26.3

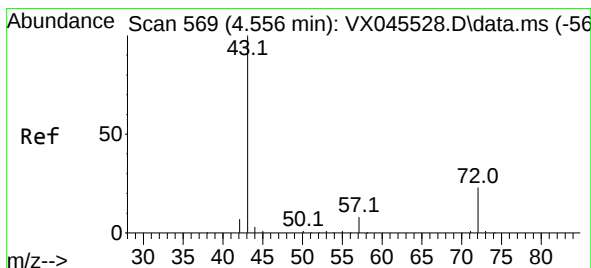
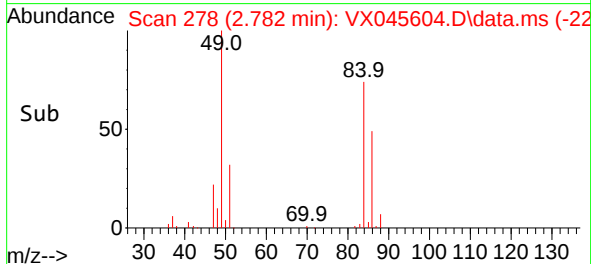
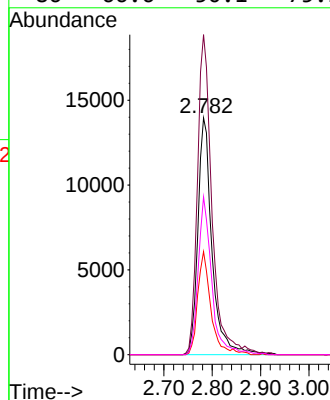
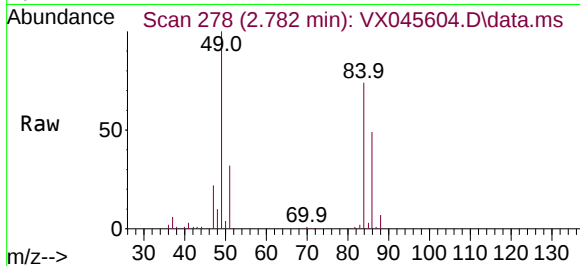




#20
Methylene Chloride
Concen: 29.929 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045604.D
Acq: 04 Apr 2025 17:06

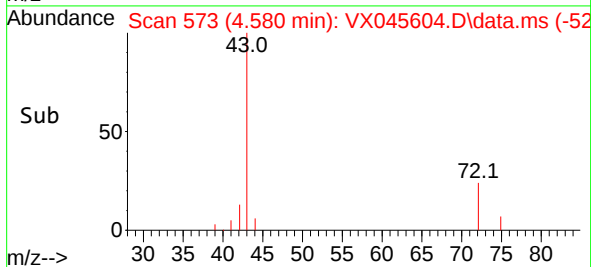
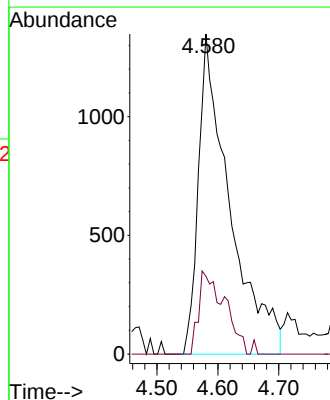
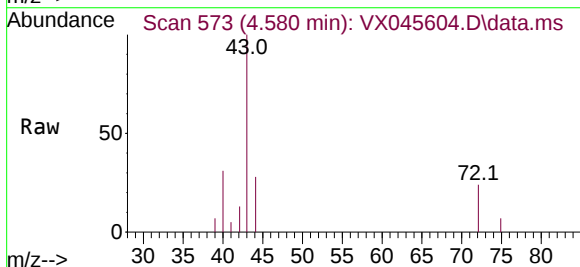
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#03

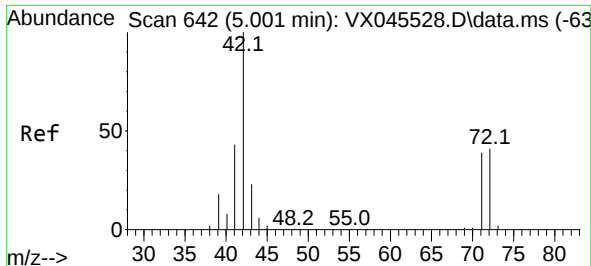
Tgt Ion:	84	Resp:	28336
Ion	Ratio	Lower	Upper
84	100		
49	135.1	107.5	161.3
51	43.5	33.0	49.6
86	66.6	50.1	75.1



#25
2-Butanone
Concen: 6.466 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX045604.D
Acq: 04 Apr 2025 17:06

Tgt Ion:	43	Resp:	4787
Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.329 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.036 min

Lab File: VX045604.D

Acq: 04 Apr 2025 17:06

Instrument :

MSVOA_X

ClientSampleId :

PB167448ZHE#03

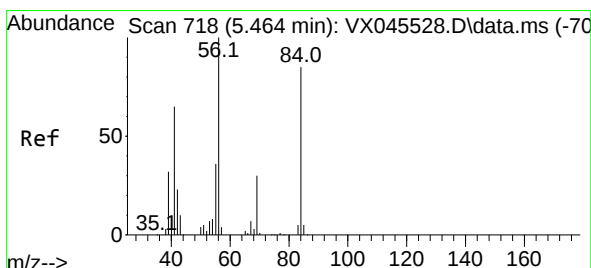
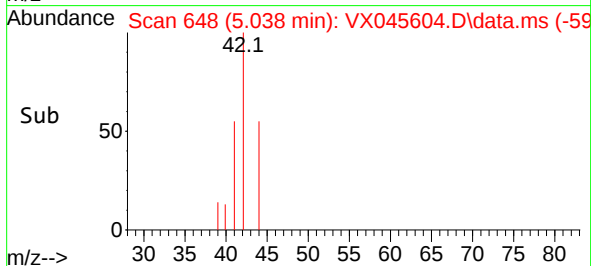
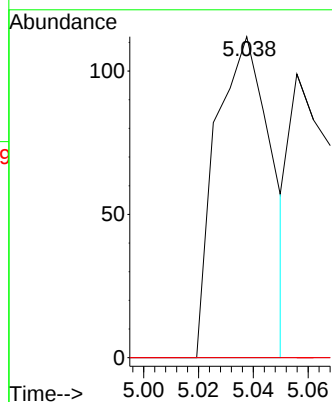
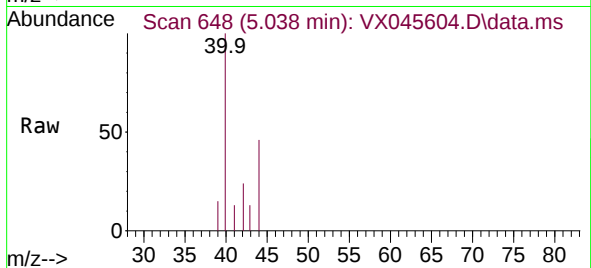
Tgt Ion: 42 Resp: 158

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.330 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045604.D

Acq: 04 Apr 2025 17:06

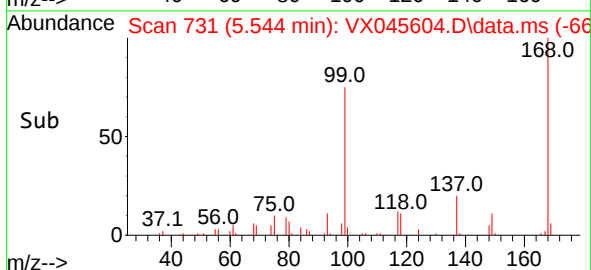
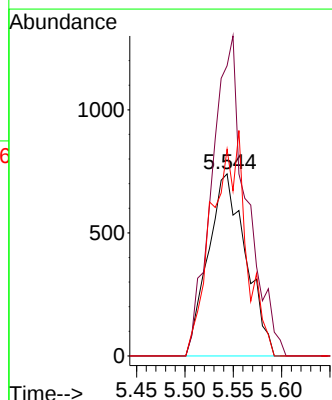
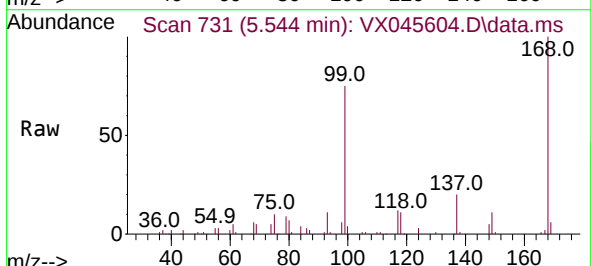
Tgt Ion: 56 Resp: 2009

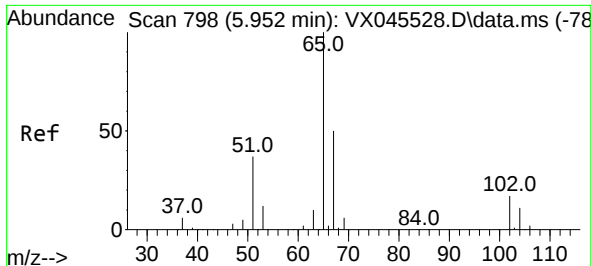
Ion Ratio Lower Upper

56 100

69 159.3 23.6 35.4#

84 113.5 67.7 101.5#





#33

1,2-Dichloroethane-d4

Concen: 55.593 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045604.D

Acq: 04 Apr 2025 17:06

Instrument :

MSVOA_X

ClientSampleId :

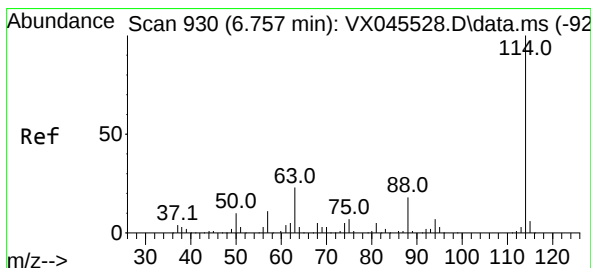
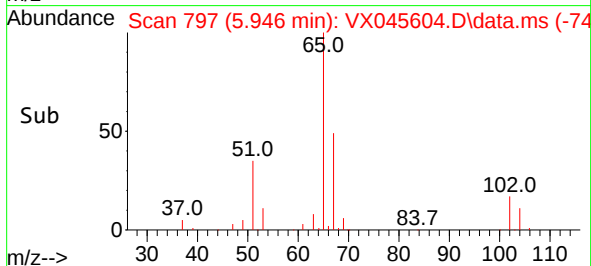
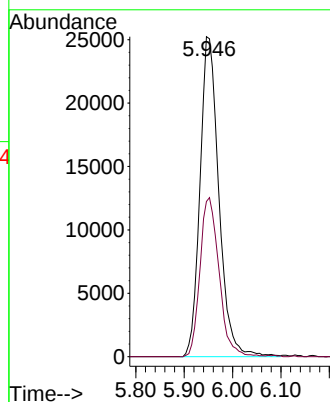
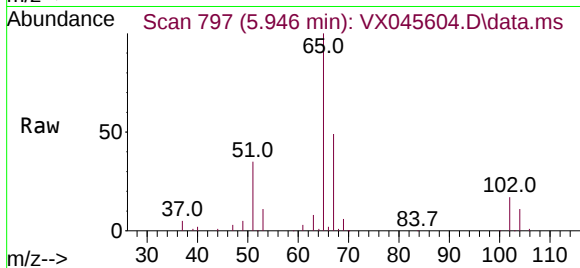
PB167448ZHE#03

Tgt Ion: 65 Resp: 68468

Ion Ratio Lower Upper

65 100

67 50.1 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: VX045604.D

Acq: 04 Apr 2025 17:06

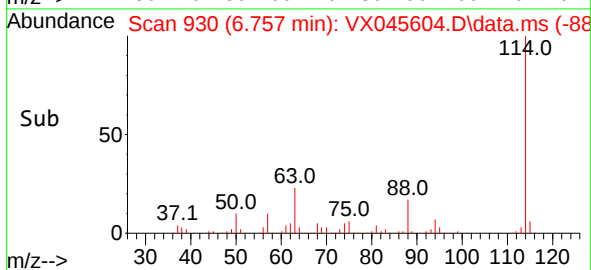
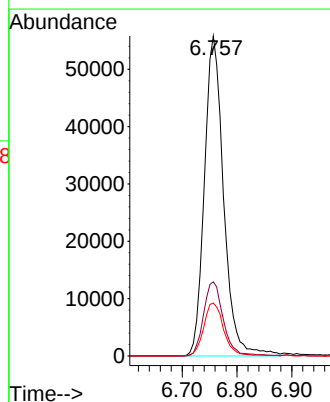
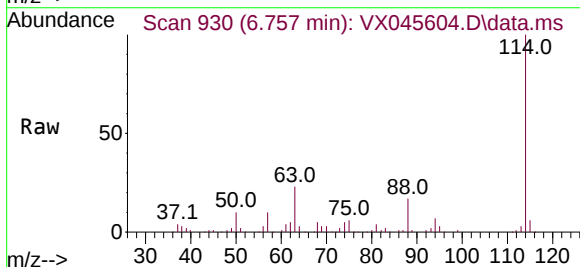
Tgt Ion: 114 Resp: 136039

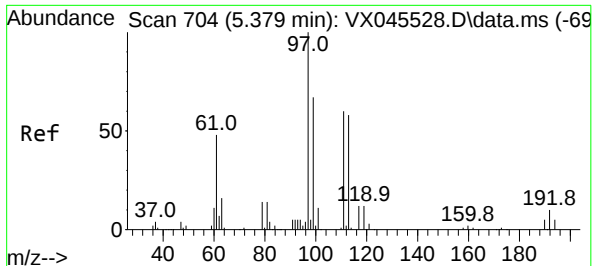
Ion Ratio Lower Upper

114 100

63 23.2 0.0 46.8

88 16.6 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.908 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX045604.D

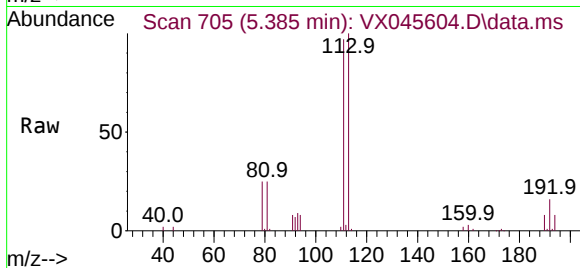
Acq: 04 Apr 2025 17:06

Instrument :

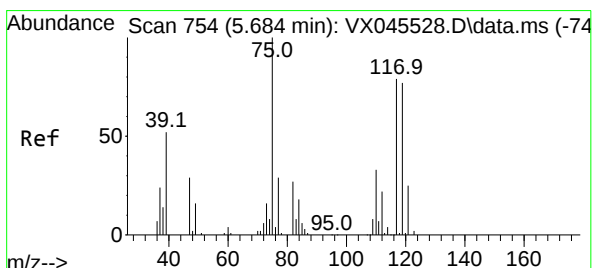
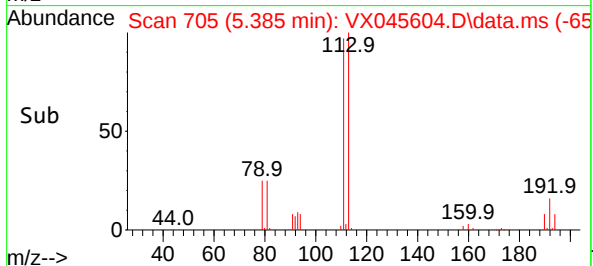
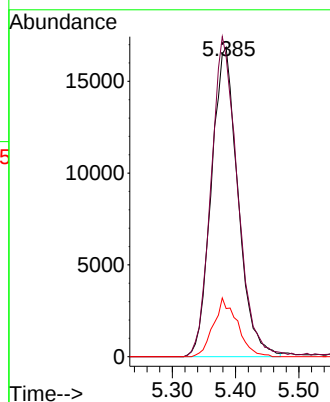
MSVOA_X

ClientSampleId :

PB167448ZHE#03



Tgt Ion:	113	Resp:	49136
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.6
192	17.1	13.8	20.6



#36

1,1-Dichloropropene

Concen: 5.427 ug/l

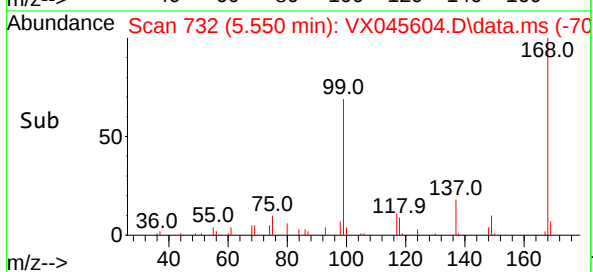
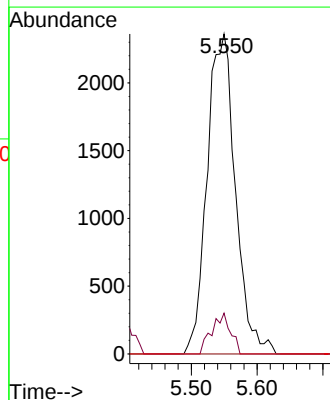
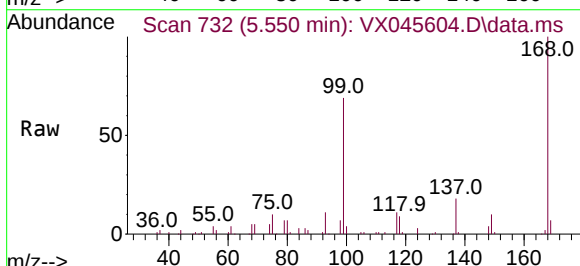
RT: 5.550 min Scan# 732

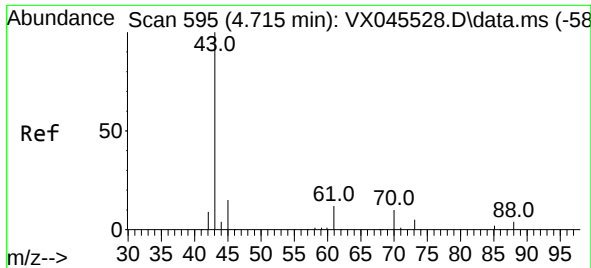
Delta R.T. -0.134 min

Lab File: VX045604.D

Acq: 04 Apr 2025 17:06

Tgt Ion:	75	Resp:	7072
Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.9	50.6#
77	0.0	25.0	37.4#





#37

Ethyl Acetate

Concen: 0.204 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX045604.D

Acq: 04 Apr 2025 17:06

Instrument :

MSVOA_X

ClientSampleId :

PB167448ZHE#03

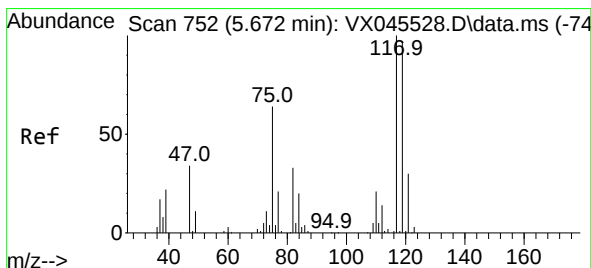
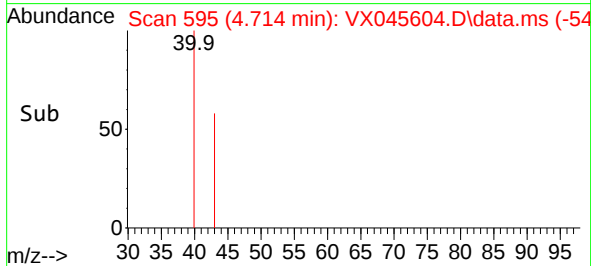
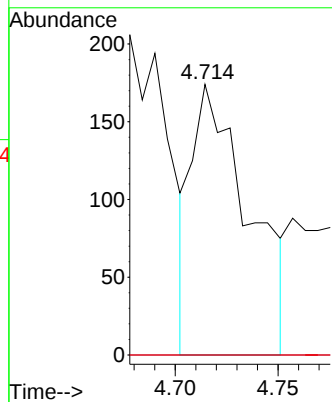
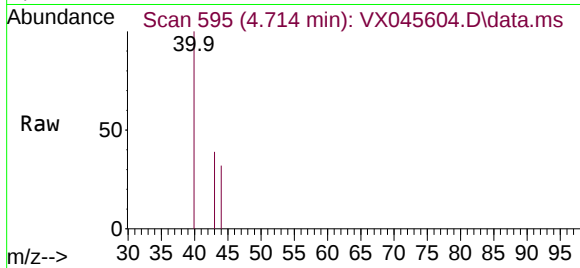
Tgt Ion: 43 Resp: 335

Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 0.0 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 5.728 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045604.D

Acq: 04 Apr 2025 17:06

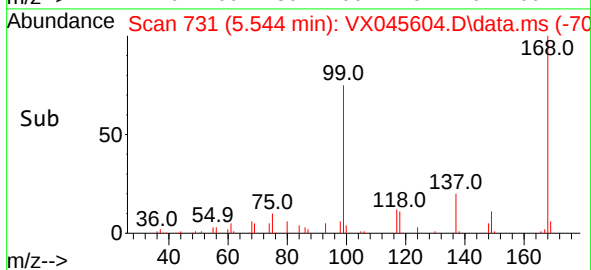
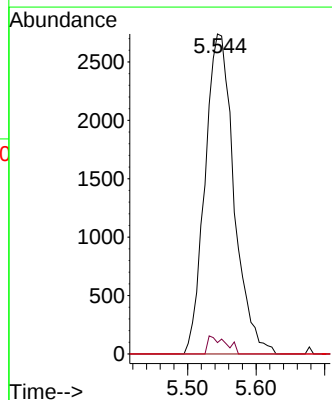
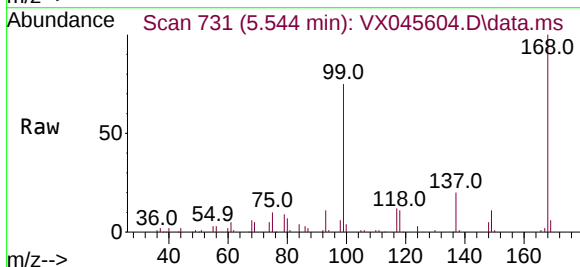
Tgt Ion: 117 Resp: 8067

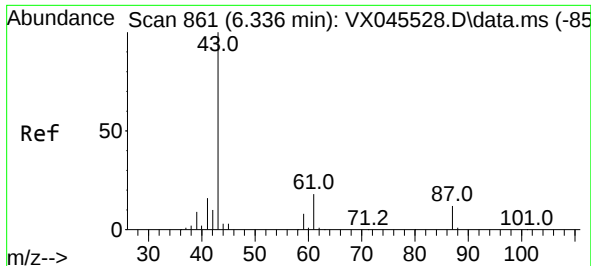
Ion Ratio Lower Upper

117 100

119 3.6 76.9 115.3#

121 0.0 24.2 36.2#

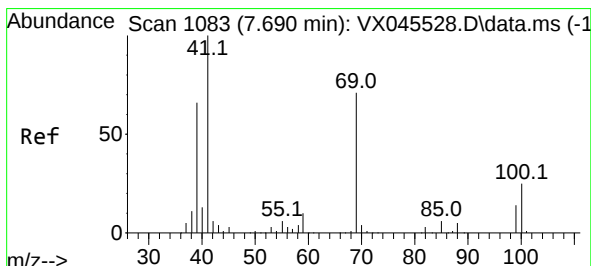
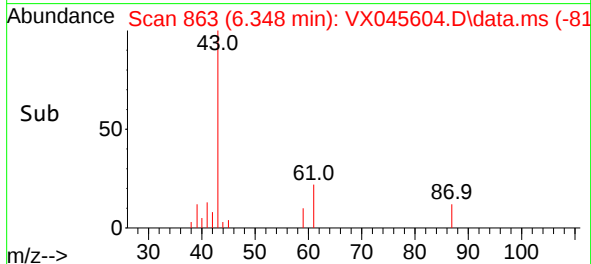
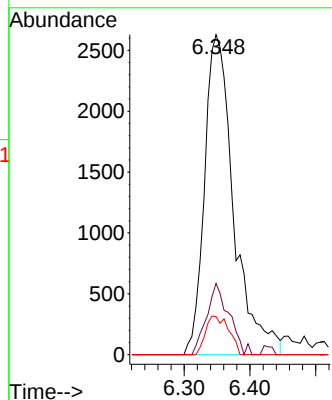
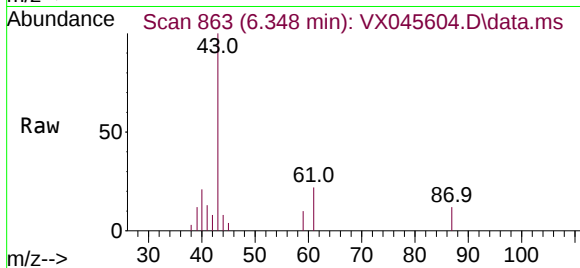




#43
Isopropyl Acetate
Concen: 3.259 ug/l
RT: 6.348 min Scan# 811
Delta R.T. 0.012 min
Lab File: VX045604.D
Acq: 04 Apr 2025 17:06

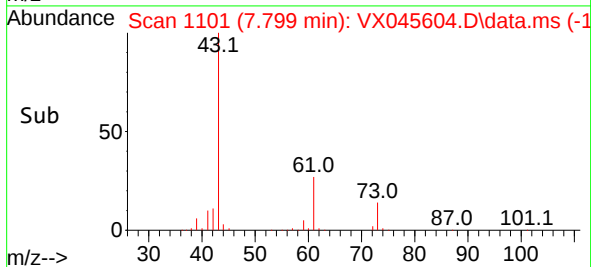
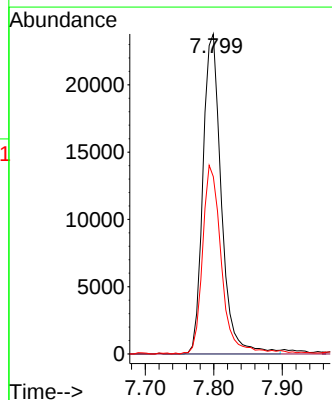
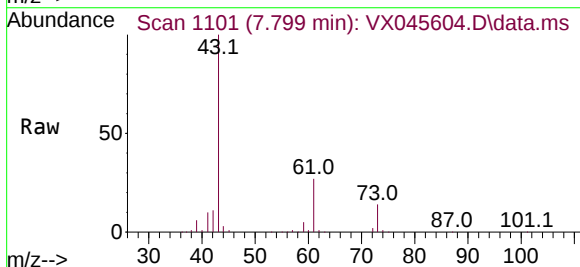
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#03

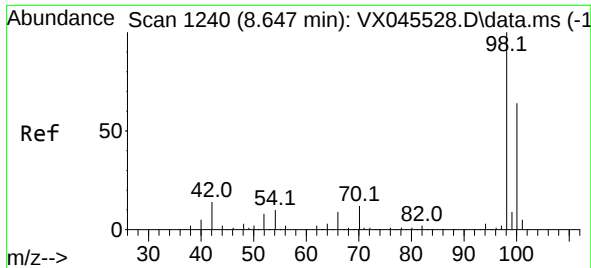
Tgt Ion: 43 Resp: 8111
Ion Ratio Lower Upper
43 100
61 17.2 14.1 21.1
87 9.6 9.2 13.8



#48
Methyl methacrylate
Concen: 34.637 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX045604.D
Acq: 04 Apr 2025 17:06

Tgt Ion: 41 Resp: 44515
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 61.5 53.6 80.4

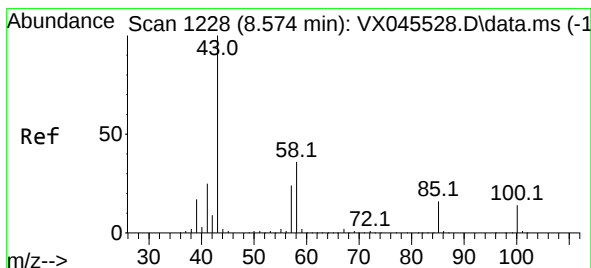
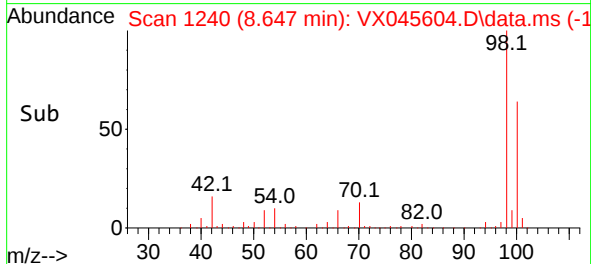
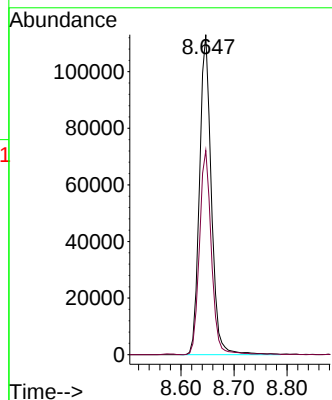
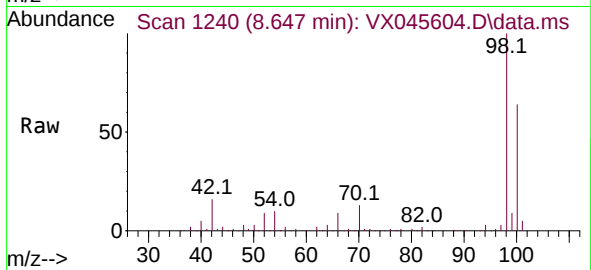




#50
Toluene-d8
Concen: 52.056 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045604.D
Acq: 04 Apr 2025 17:06

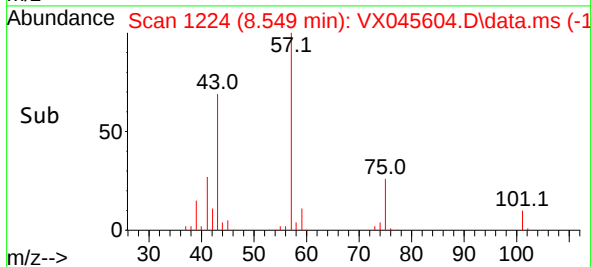
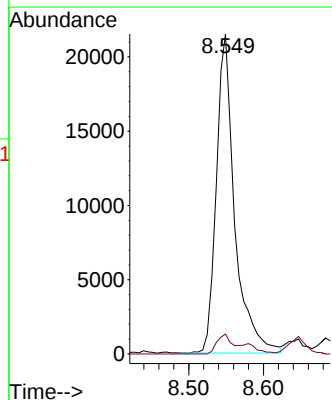
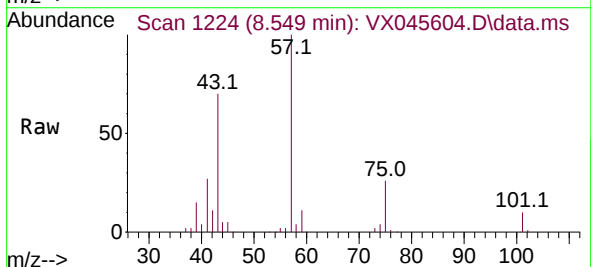
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#03

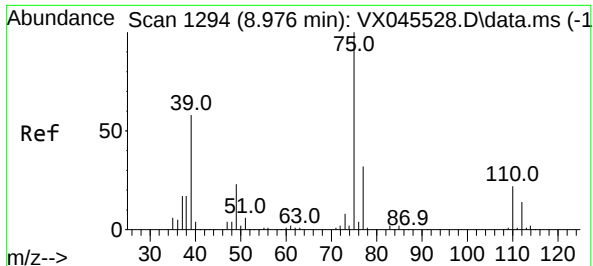
Tgt Ion: 98 Resp: 175374
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 22.202 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045604.D
Acq: 04 Apr 2025 17:06

Tgt Ion: 43 Resp: 36635
Ion Ratio Lower Upper
43 100
58 5.3 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.468 ug/l

RT: 8.951 min Scan# 1124

Delta R.T. -0.025 min

Lab File: VX045604.D

Acq: 04 Apr 2025 17:06

Instrument :

MSVOA_X

ClientSampleId :

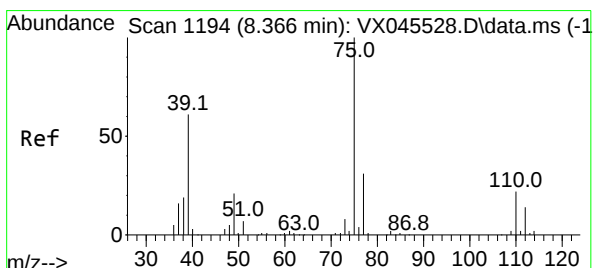
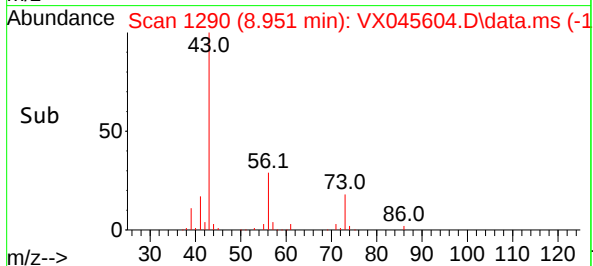
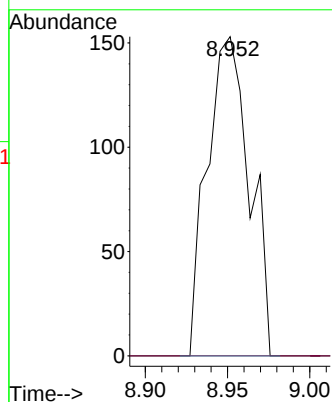
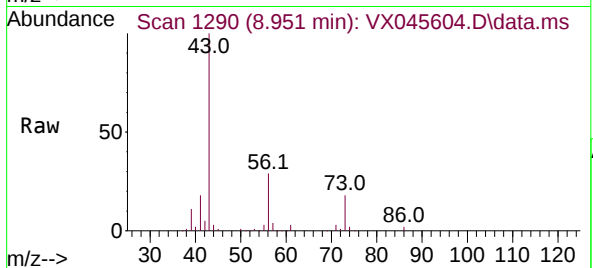
PB167448ZHE#03

Tgt Ion: 75 Resp: 275

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 9.224 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045604.D

Acq: 04 Apr 2025 17:06

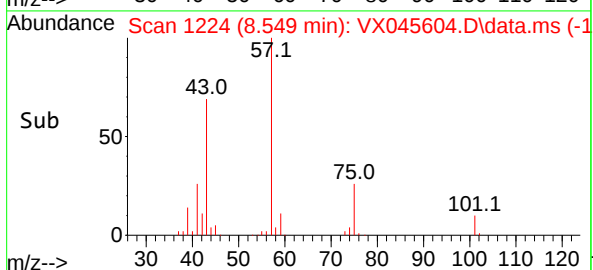
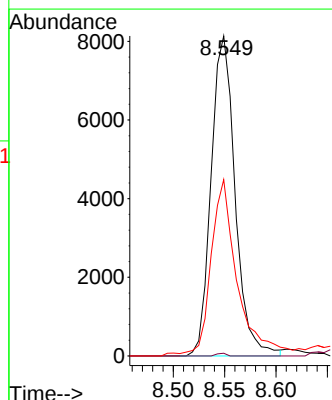
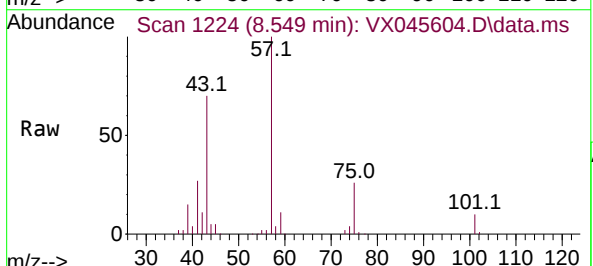
Tgt Ion: 75 Resp: 13197

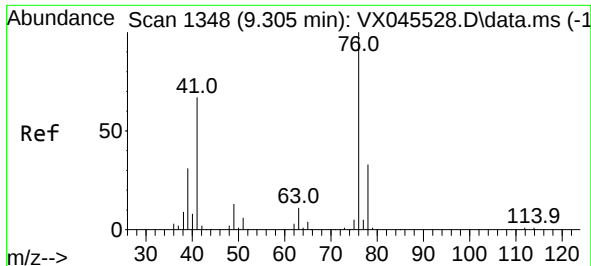
Ion Ratio Lower Upper

75 100

77 0.9 24.6 36.8#

39 54.4 48.4 72.6

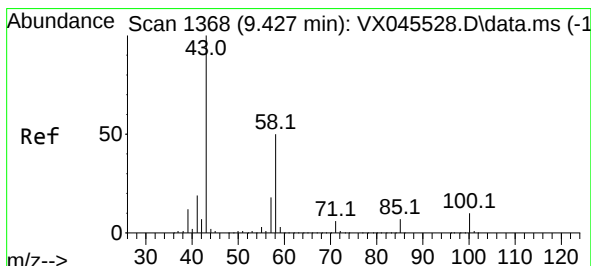
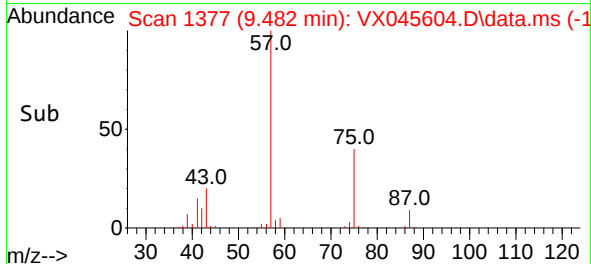
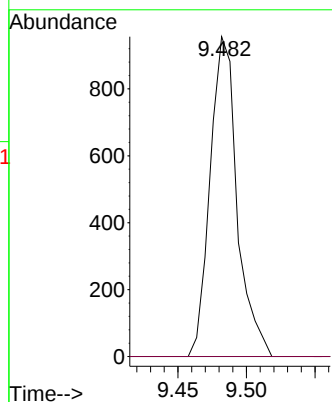
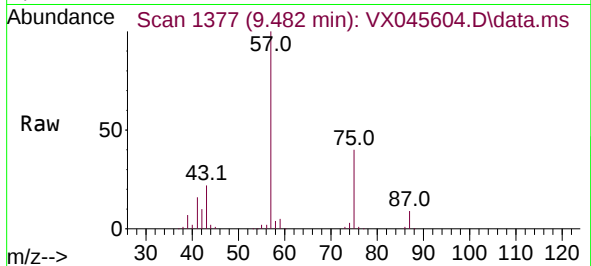




#57
1,3-Dichloropropane
Concen: 0.785 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX045604.D
Acq: 04 Apr 2025 17:06

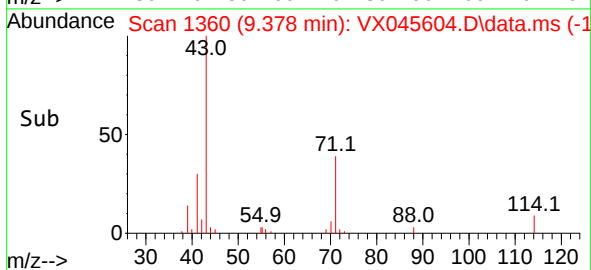
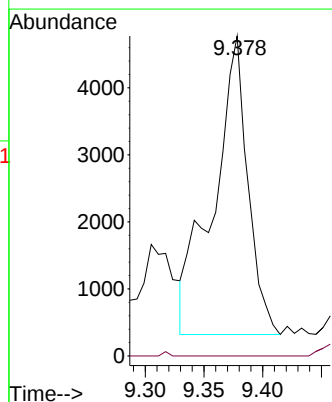
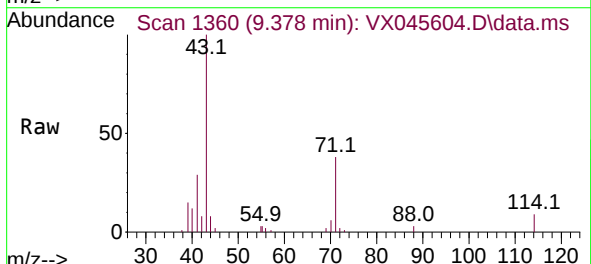
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#03

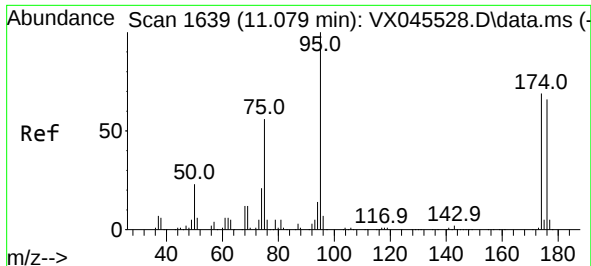
Tgt Ion: 76 Resp: 1312
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 7.415 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX045604.D
Acq: 04 Apr 2025 17:06

Tgt Ion: 43 Resp: 9061
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

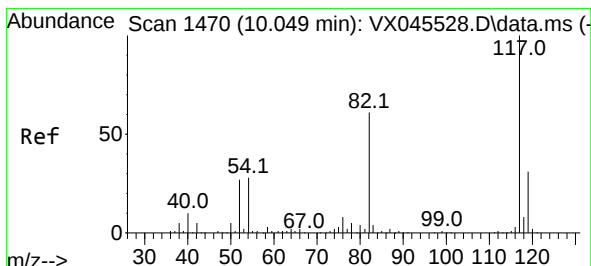
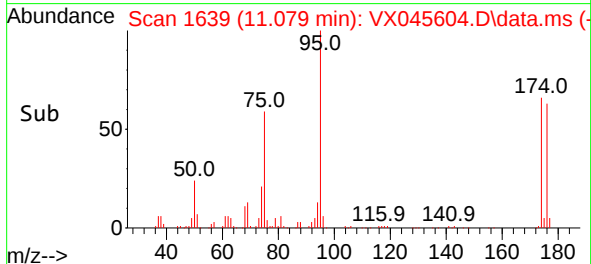
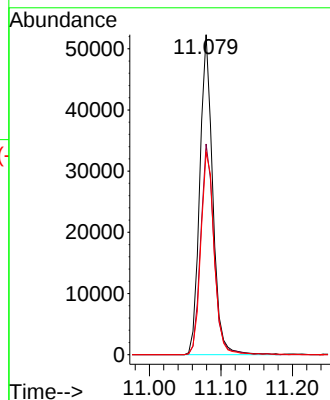
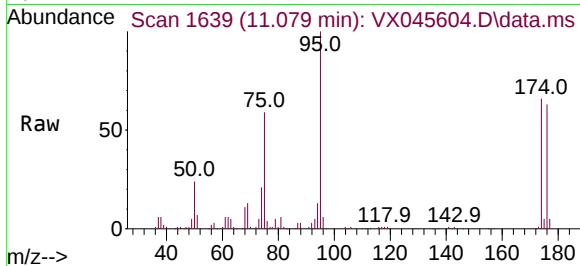




#62
4-Bromofluorobenzene
Concen: 53.410 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045604.D
Acq: 04 Apr 2025 17:06

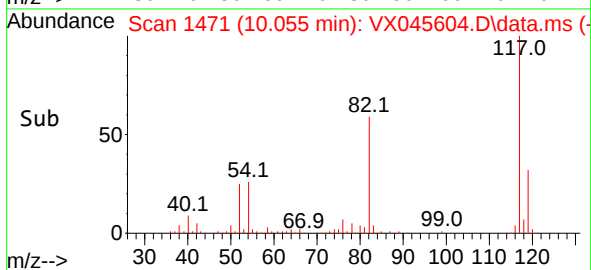
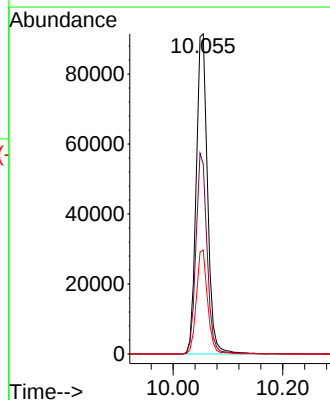
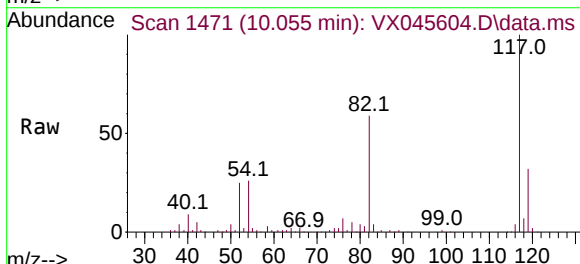
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#03

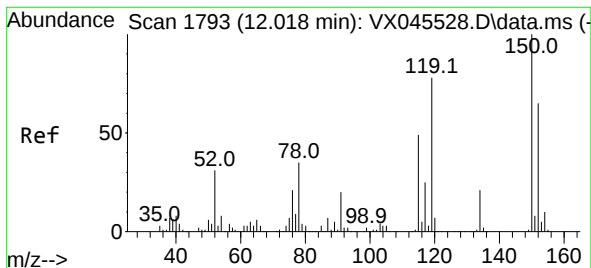
Tgt Ion: 95 Resp: 65541
Ion Ratio Lower Upper
95 100
174 67.8 0.0 135.8
176 65.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045604.D
Acq: 04 Apr 2025 17:06

Tgt Ion: 117 Resp: 132139
Ion Ratio Lower Upper
117 100
82 59.4 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# 1

Delta R.T. -0.000 min

Lab File: VX045604.D

Acq: 04 Apr 2025 17:06

Instrument :

MSVOA_X

ClientSampleId :

PB167448ZHE#03

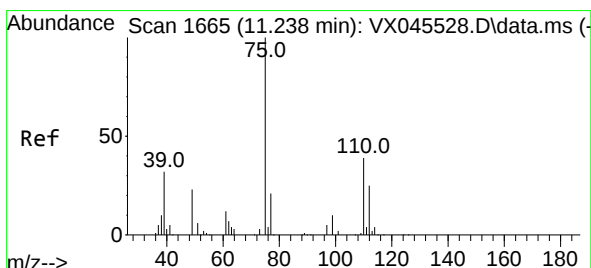
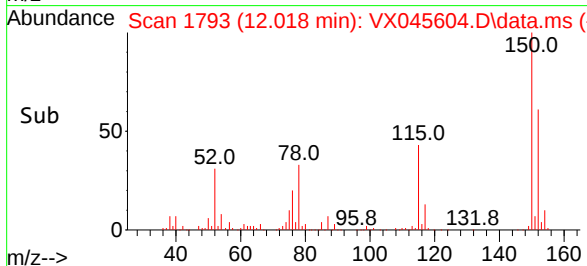
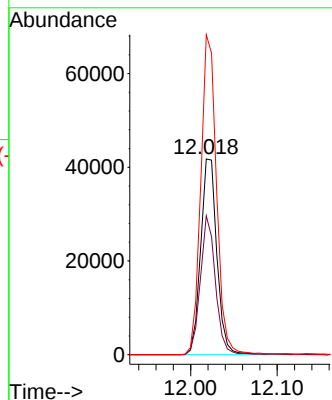
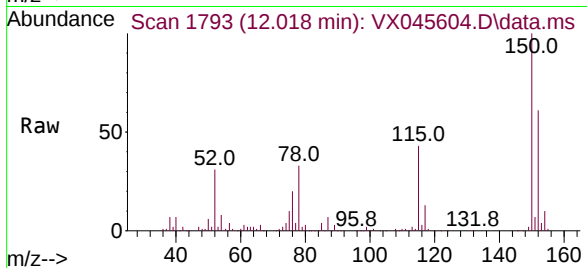
Tgt Ion:152 Resp: 54499

Ion Ratio Lower Upper

152 100

115 65.9 46.9 140.7

150 158.4 0.0 349.4



#76

1,2,3-Trichloropropane

Concen: 28.697 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045604.D

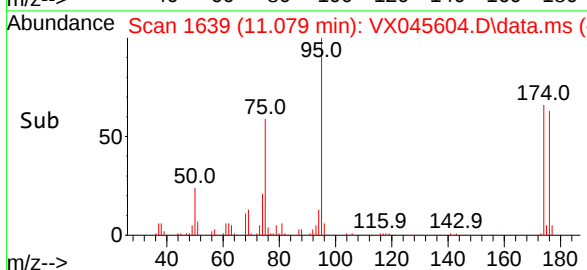
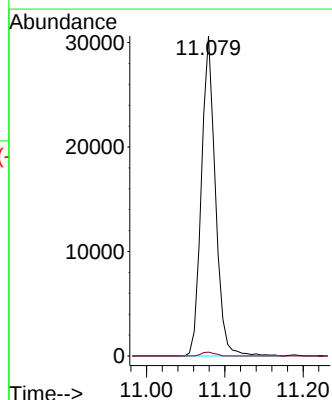
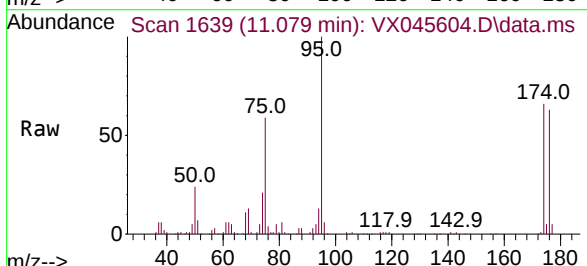
Acq: 04 Apr 2025 17:06

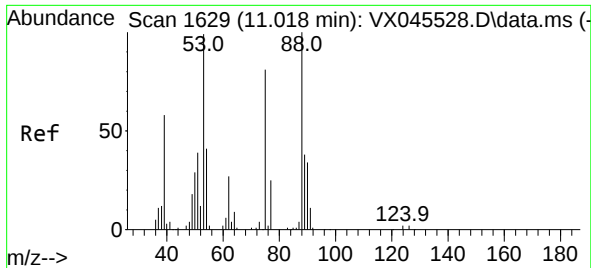
Tgt Ion: 75 Resp: 38148

Ion Ratio Lower Upper

75 100

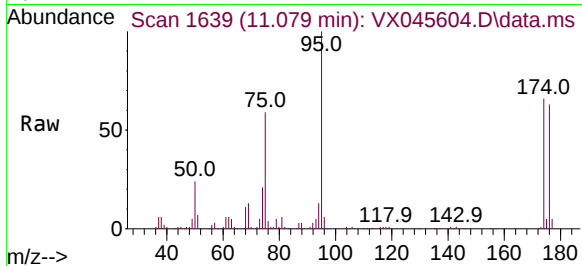
77 1.2 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.392 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045604.D
 Acq: 04 Apr 2025 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167448ZHE#03



Tgt Ion: 75 Resp: 38148
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

