

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045708.D
 Acq On : 10 Apr 2025 18:51
 Operator : JC/MD
 Sample : PB167534ZHE#14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#14

Quant Time: Apr 11 02:02:21 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

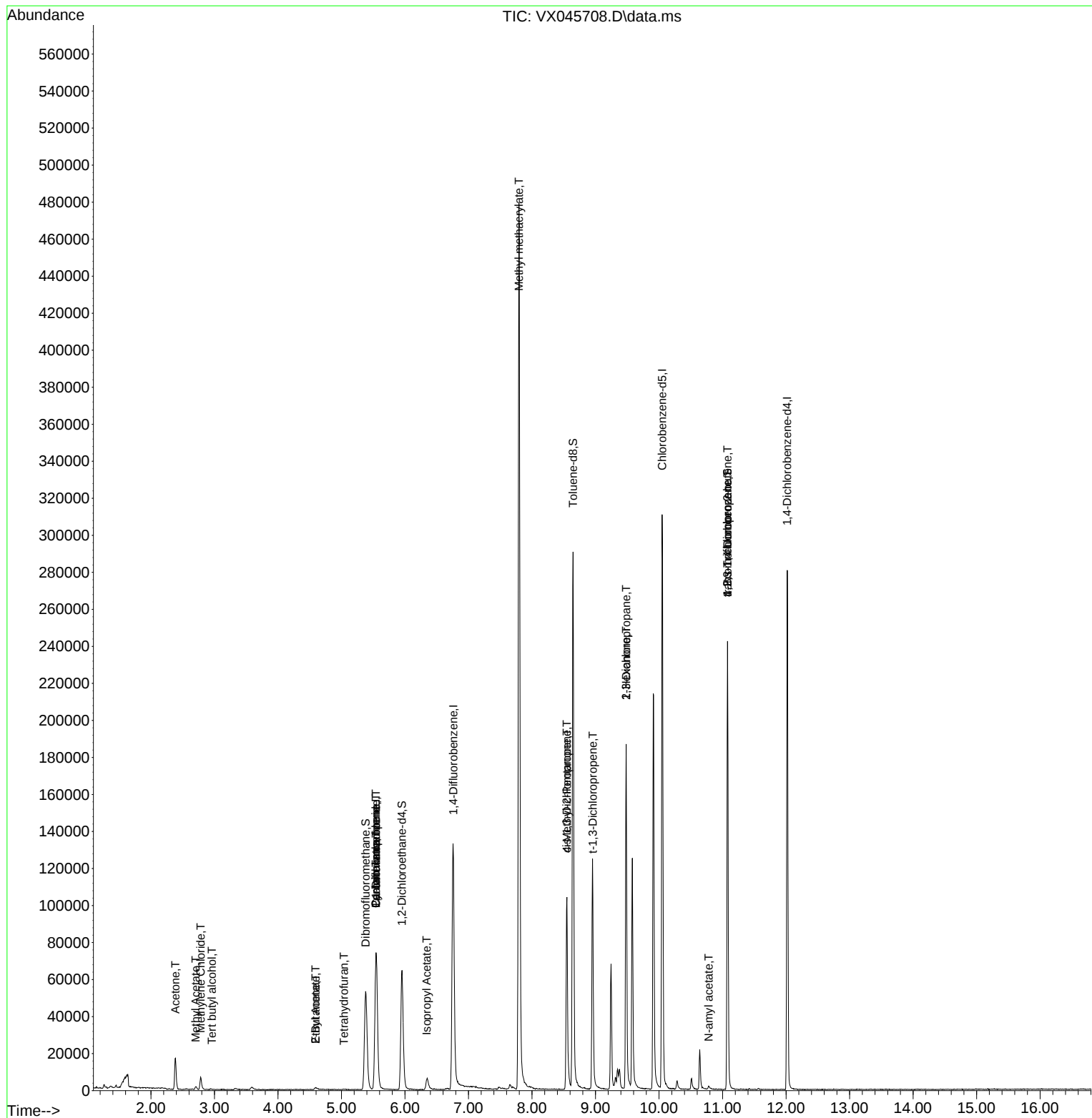
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

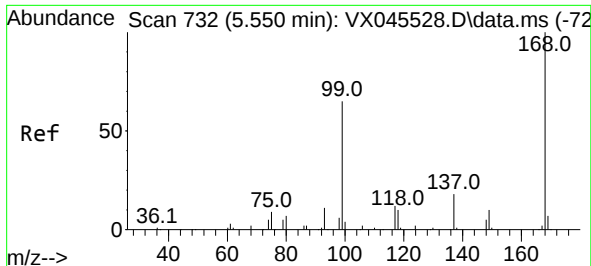
Internal Standards						
1) Pentafluorobenzene	5.544	168	63388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	129426	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66347	57.235	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.480%
35) Dibromofluoromethane	5.379	113	47052	51.239	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.480%
50) Toluene-d8	8.647	98	165736	51.709	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.420%
62) 4-Bromofluorobenzene	11.079	95	62963	53.931	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	107.860%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	132	0.847	ug/l #	72
16) Acetone	2.386	43	19316	40.580	ug/l	98
18) Methyl Acetate	2.703	43	2334	2.130	ug/l #	89
20) Methylene Chloride	2.782	84	3172	3.560	ug/l	87
25) 2-Butanone	4.593	43	2943	4.224	ug/l #	86
29) Tetrahydrofuran	5.038	42	353	0.781	ug/l #	35
31) Cyclohexane	5.544	56	1985	1.396	ug/l #	44
36) 1,1-Dichloropropene	5.544	75	6271	5.058	ug/l #	52
37) Ethyl Acetate	4.593	43	2943	1.884	ug/l #	71
38) Carbon Tetrachloride	5.544	117	7612	5.681	ug/l #	15
43) Isopropyl Acetate	6.342	43	9309	3.931	ug/l	99
48) Methyl methacrylate	7.793	41	48648	39.787	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	40342	25.697	ug/l #	49
53) t-1,3-Dichloropropene	8.958	75	237	2.451	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	15684	11.523	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	1502	0.945	ug/l #	42
59) 2-Hexanone	9.482	43	24695	21.242	ug/l #	55
74) N-amyl acetate	10.781	43	1259	0.629	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	36543	28.693	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36543	97.381	ug/l #	1

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

Instrument :
MSVOA_X
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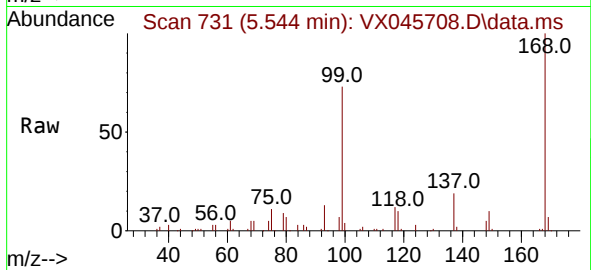
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#14



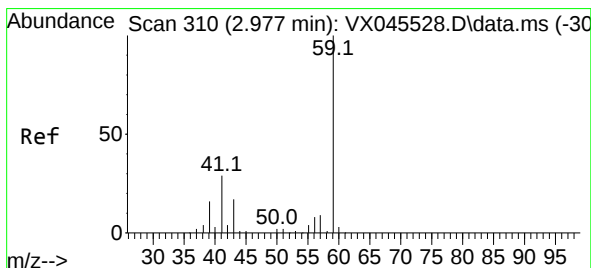
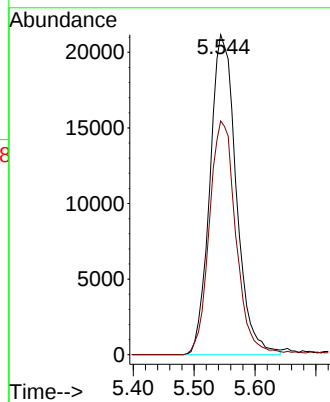
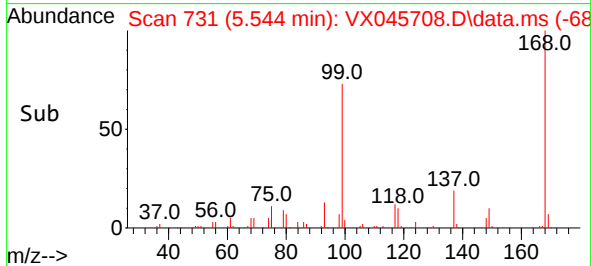


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045708.D
Acq: 10 Apr 2025 18:51

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#14

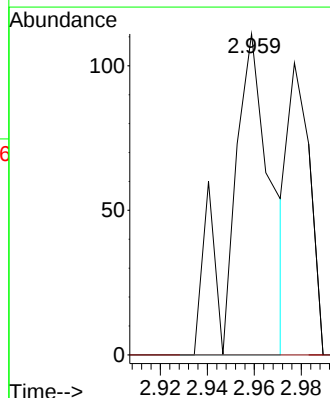
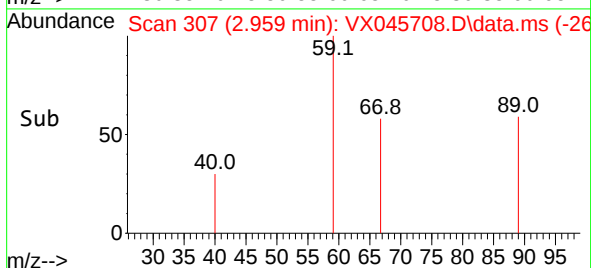
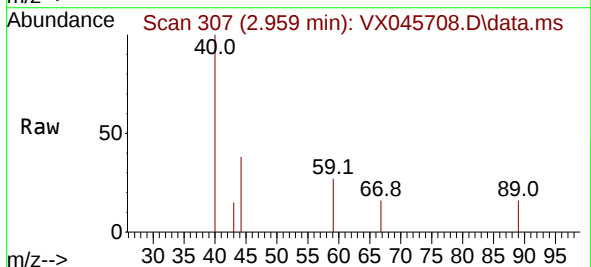


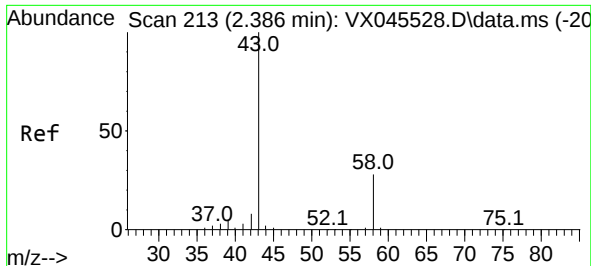
Tgt Ion:168 Resp: 63388
Ion Ratio Lower Upper
168 100
99 73.0 52.3 78.5



#11
Tert butyl alcohol
Concen: 0.847 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX045708.D
Acq: 10 Apr 2025 18:51

Tgt Ion: 59 Resp: 132
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#16

Acetone

Concen: 40.580 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX045708.D

Acq: 10 Apr 2025 18:51

Instrument :

MSVOA_X

ClientSampleId :

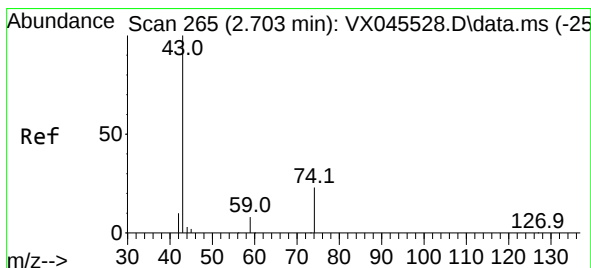
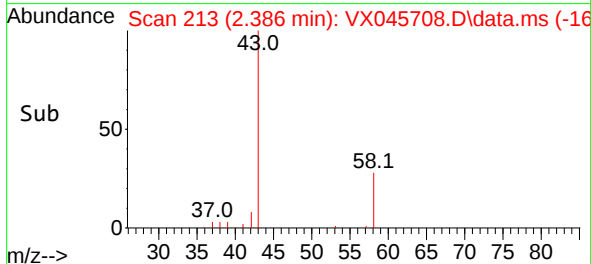
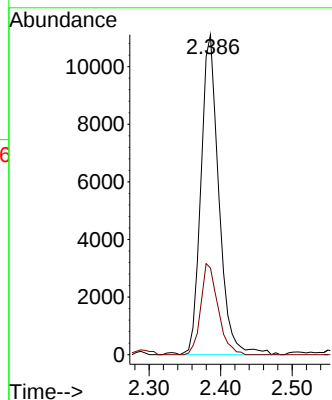
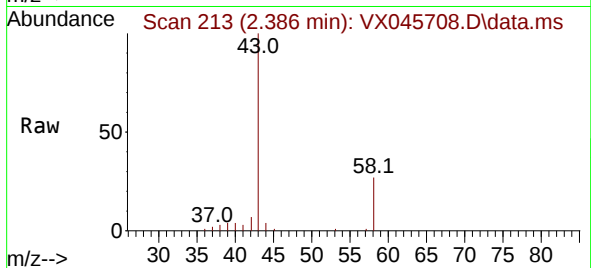
PB167534ZHE#14

Tgt Ion: 43 Resp: 19316

Ion Ratio Lower Upper

43 100

58 27.1 22.3 33.5



#18

Methyl Acetate

Concen: 2.130 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX045708.D

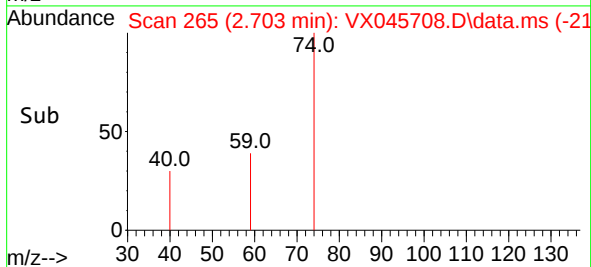
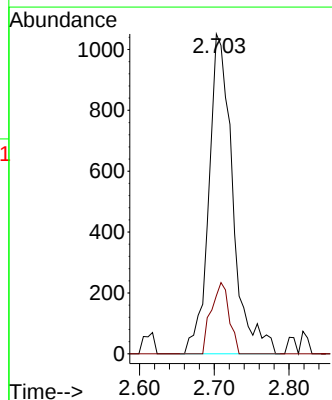
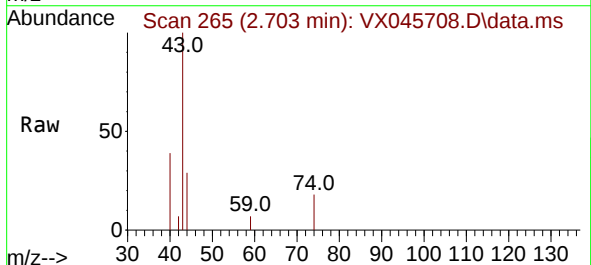
Acq: 10 Apr 2025 18:51

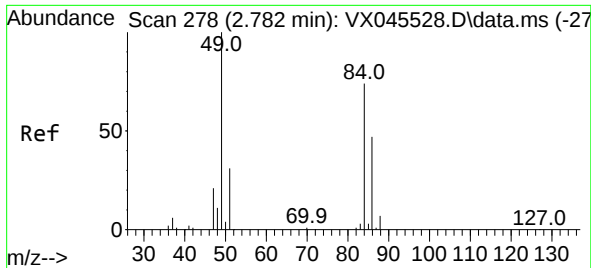
Tgt Ion: 43 Resp: 2334

Ion Ratio Lower Upper

43 100

74 16.7 17.5 26.3#

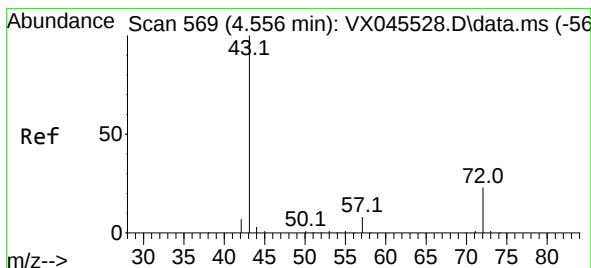
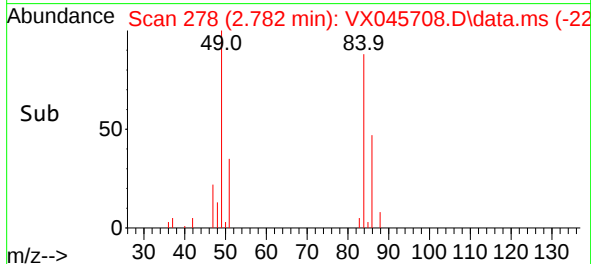
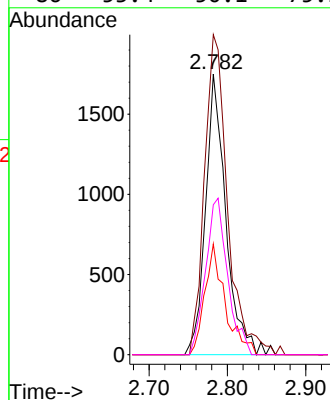
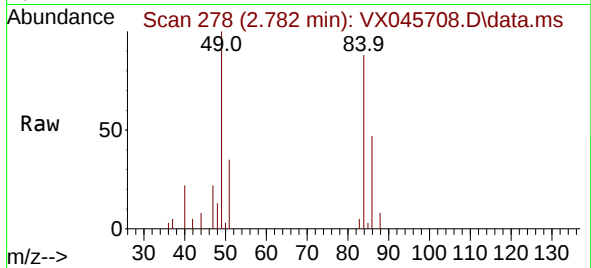




#20
Methylene Chloride
Concen: 3.560 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045708.D
Acq: 10 Apr 2025 18:51

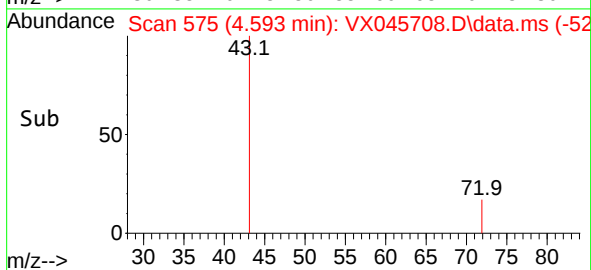
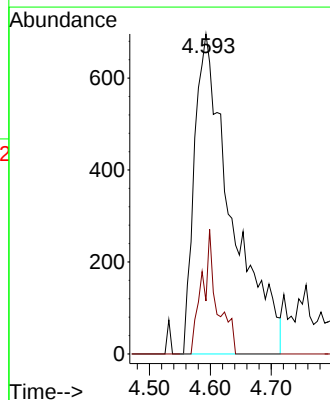
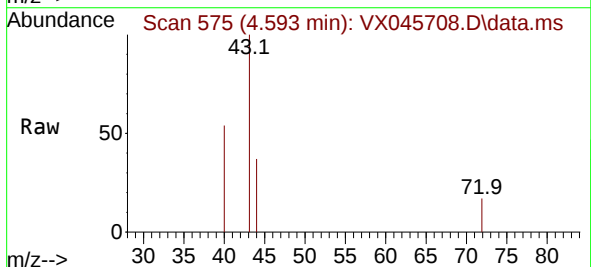
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#14

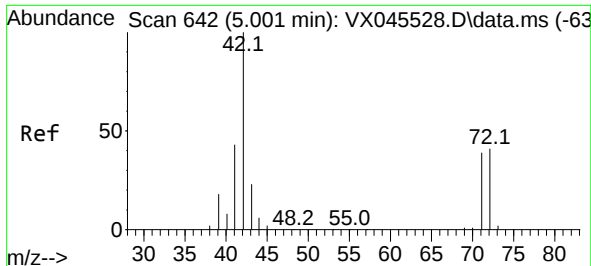
Tgt Ion:	84	Resp:	3172
Ion	Ratio	Lower	Upper
84	100		
49	114.0	107.5	161.3
51	39.5	33.0	49.6
86	53.4	50.1	75.1



#25
2-Butanone
Concen: 4.224 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX045708.D
Acq: 10 Apr 2025 18:51

Tgt Ion:	43	Resp:	2943
Ion	Ratio	Lower	Upper
43	100		
72	16.5	18.6	28.0#





#29

Tetrahydrofuran

Concen: 0.781 ug/l

RT: 5.038 min Scan# 642

Delta R.T. 0.037 min

Lab File: VX045708.D

Acq: 10 Apr 2025 18:51

Instrument :

MSVOA_X

ClientSampleId :

PB167534ZHE#14

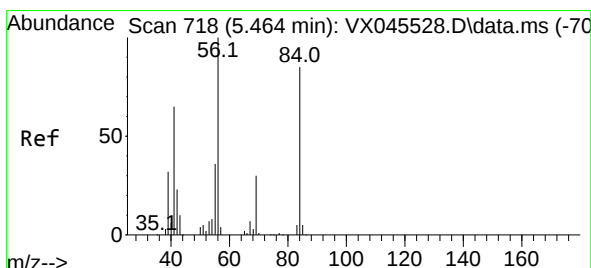
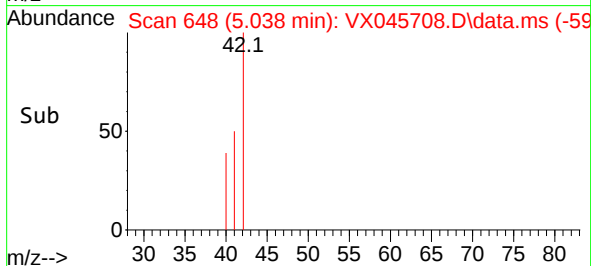
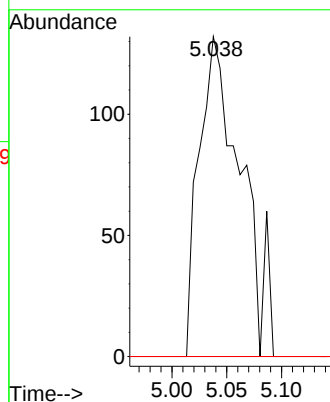
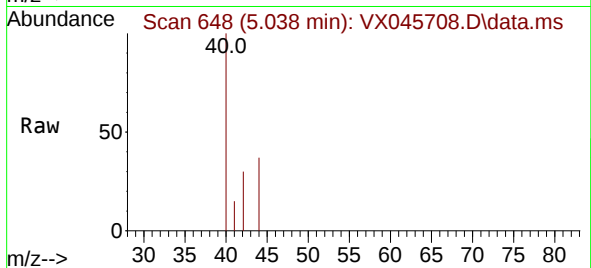
Tgt Ion: 42 Resp: 353

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.396 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045708.D

Acq: 10 Apr 2025 18:51

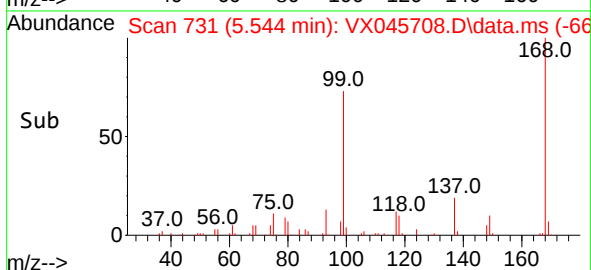
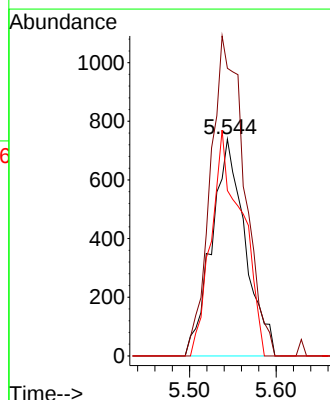
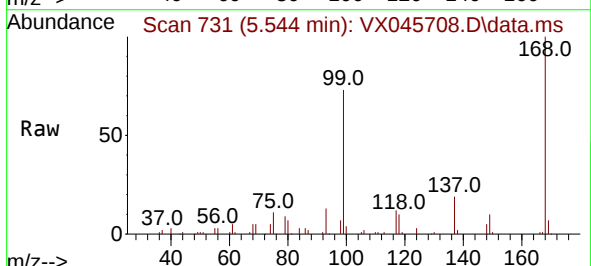
Tgt Ion: 56 Resp: 1985

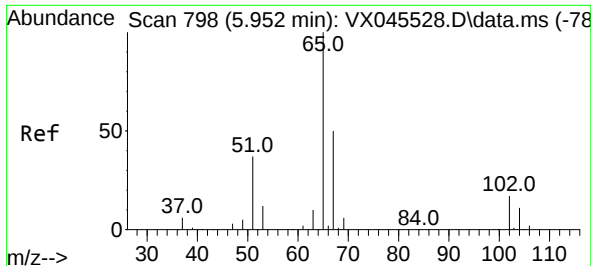
Ion Ratio Lower Upper

56 100

69 132.7 23.6 35.4#

84 76.3 67.7 101.5

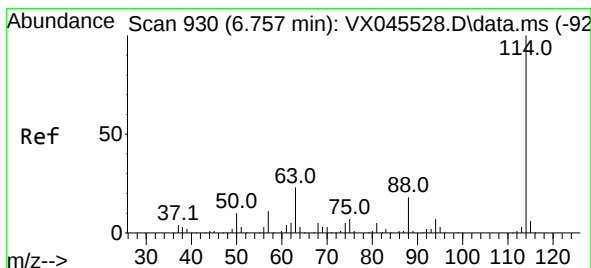
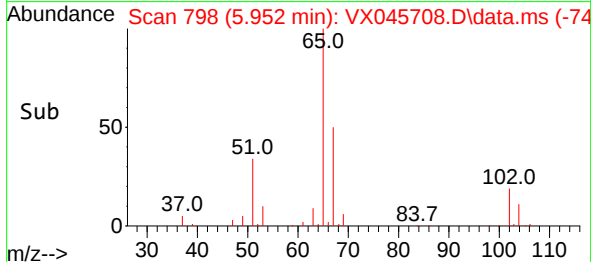
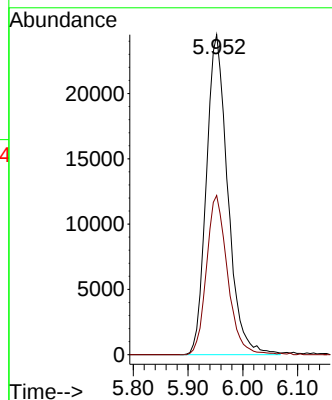
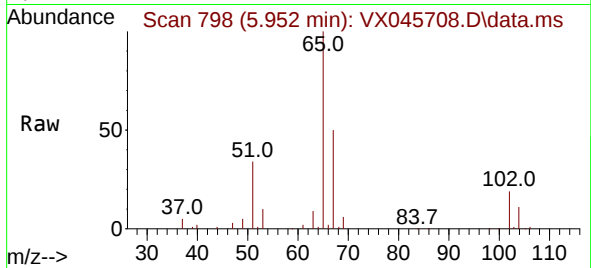




#33
 1,2-Dichloroethane-d4
 Concen: 57.235 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX045708.D
 Acq: 10 Apr 2025 18:51

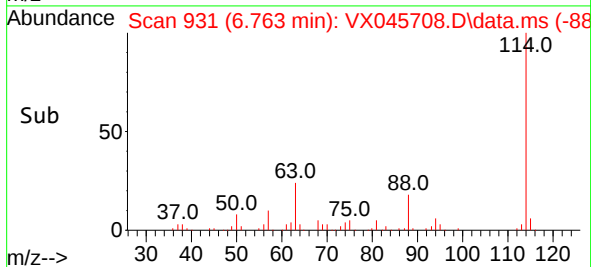
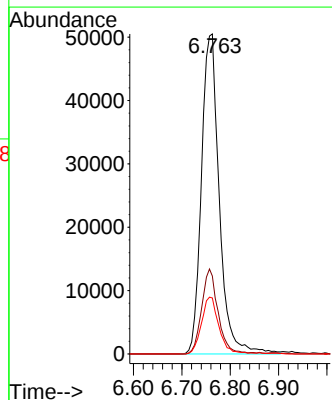
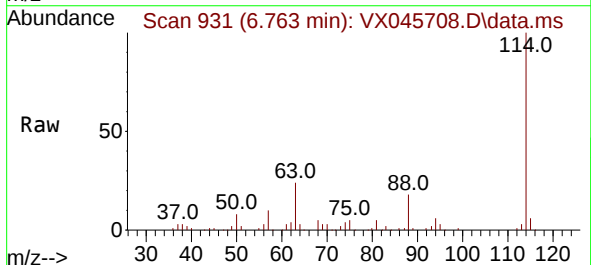
Instrument :
 MSVOA_X
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 PB167534ZHE#14

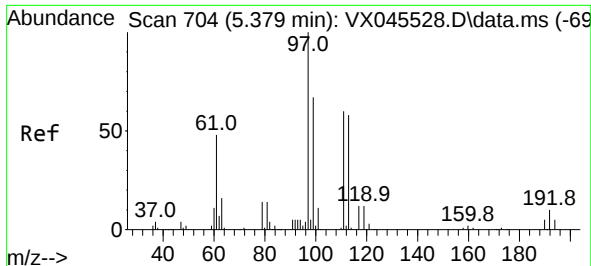
Tgt Ion: 65 Resp: 66347
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX045708.D
 Acq: 10 Apr 2025 18:51

Tgt Ion: 114 Resp: 129426
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 46.8
 88 17.5 0.0 35.4

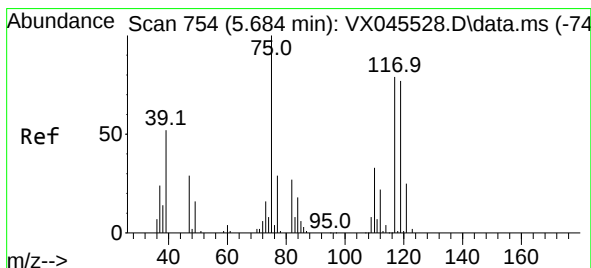
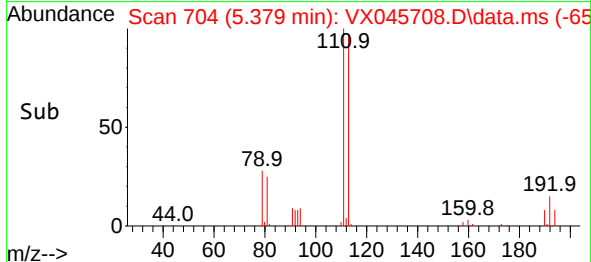
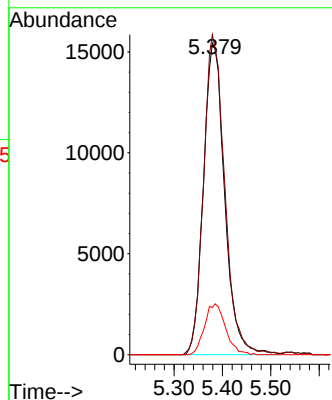
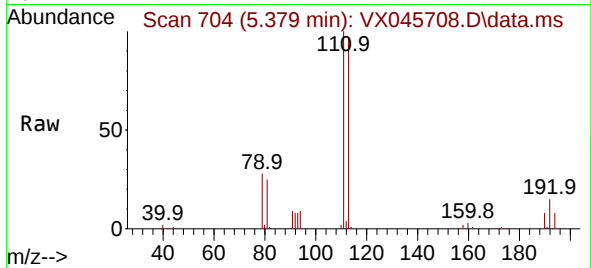




#35
Dibromofluoromethane
Concen: 51.239 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045708.D
Acq: 10 Apr 2025 18:51

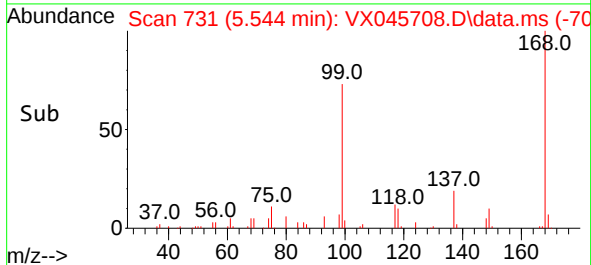
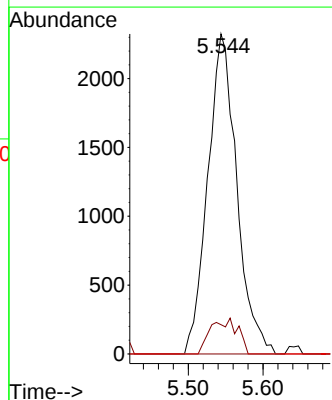
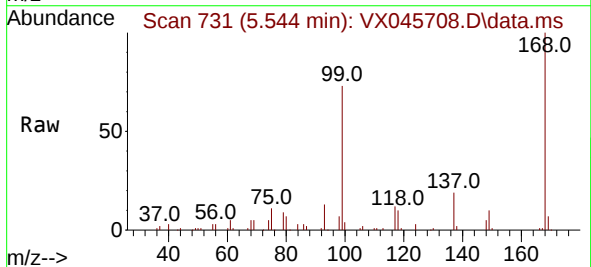
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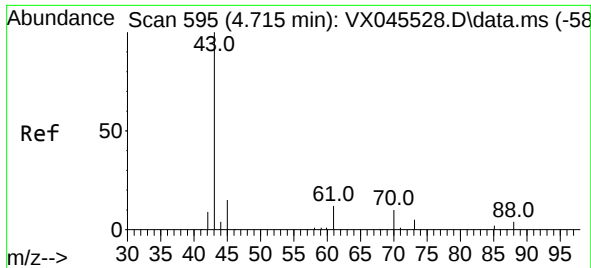
Tgt Ion:113 Resp: 47052
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.6
192 16.2 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.058 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045708.D
Acq: 10 Apr 2025 18:51

Tgt Ion: 75 Resp: 6271
Ion Ratio Lower Upper
75 100
110 10.4 16.9 50.6#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.884 ug/l

RT: 4.593 min Scan# 51

Delta R.T. -0.122 min

Lab File: VX045708.D

Acq: 10 Apr 2025 18:51

Instrument :

MSVOA_X

ClientSampleId :

PB167534ZHE#14

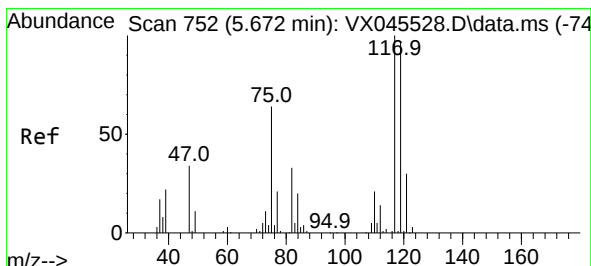
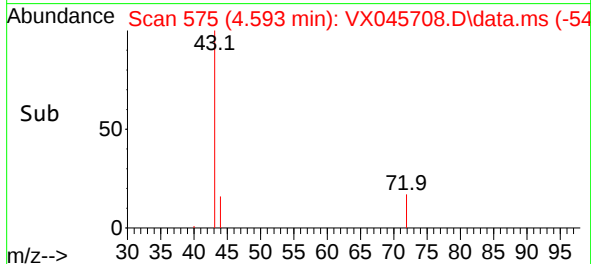
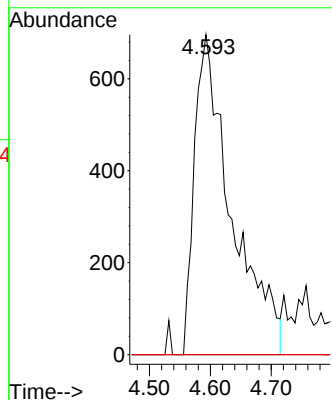
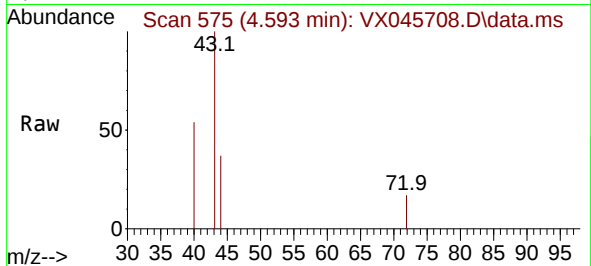
Tgt Ion: 43 Resp: 2943

Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 0.0 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 5.681 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045708.D

Acq: 10 Apr 2025 18:51

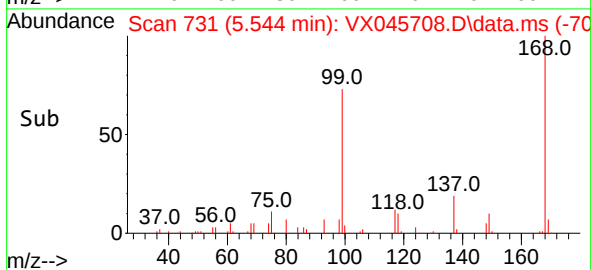
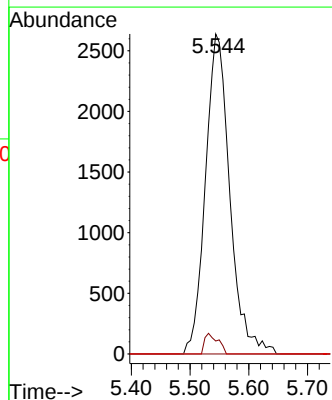
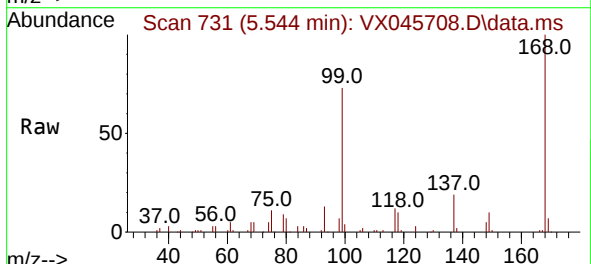
Tgt Ion: 117 Resp: 7612

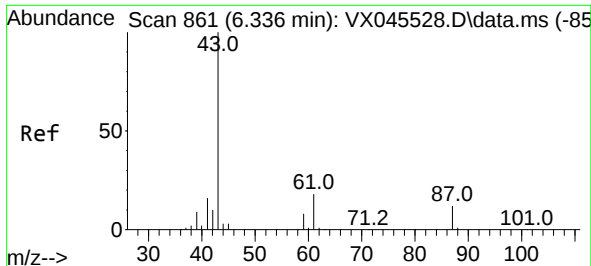
Ion Ratio Lower Upper

117 100

119 4.1 76.9 115.3#

121 0.0 24.2 36.2#

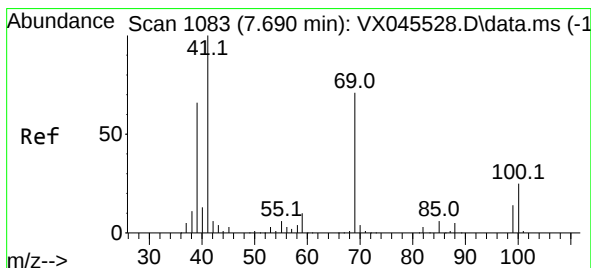
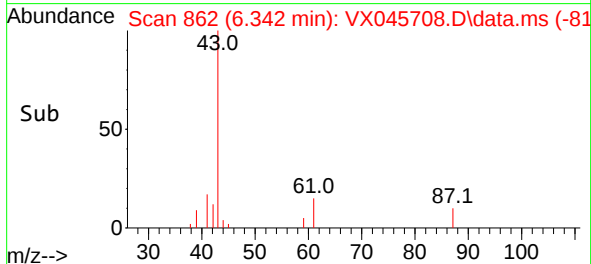
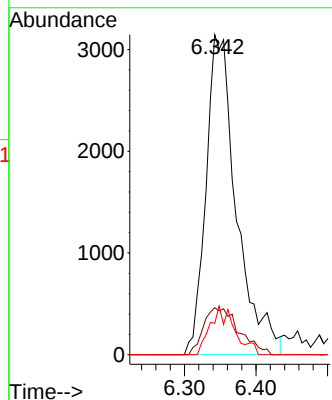
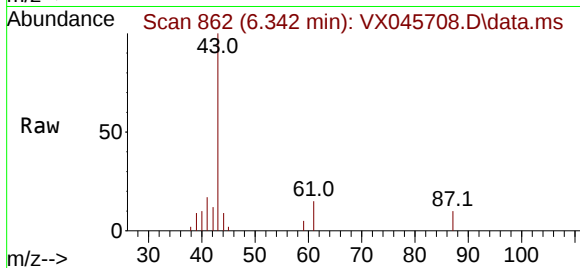




#43
Isopropyl Acetate
Concen: 3.931 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045708.D
Acq: 10 Apr 2025 18:51

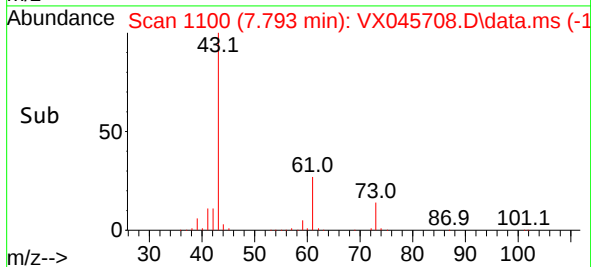
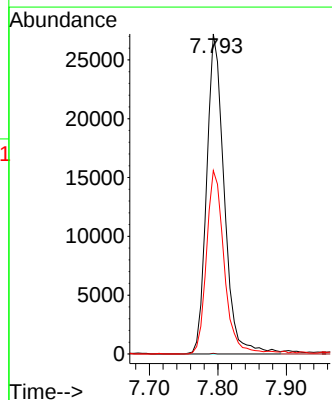
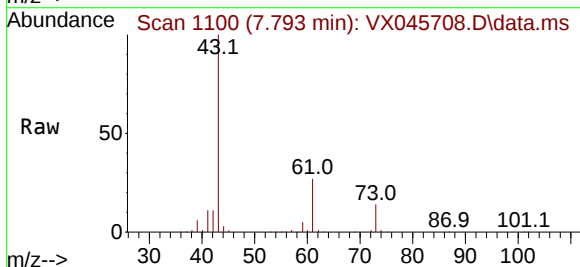
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#14

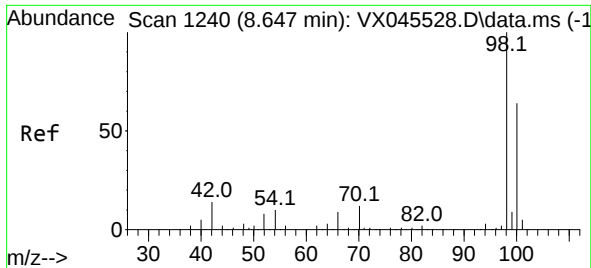
Tgt Ion: 43 Resp: 9309
Ion Ratio Lower Upper
43 100
61 17.1 14.1 21.1
87 12.2 9.2 13.8



#48
Methyl methacrylate
Concen: 39.787 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045708.D
Acq: 10 Apr 2025 18:51

Tgt Ion: 41 Resp: 48648
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 57.9 53.6 80.4

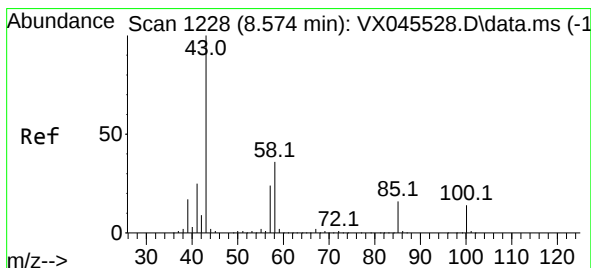
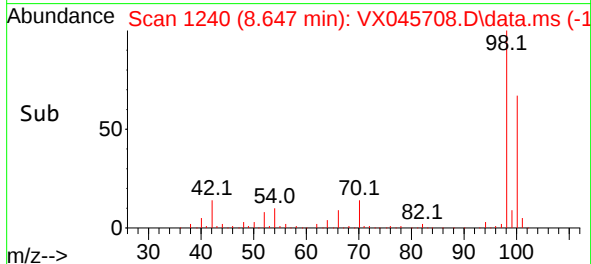
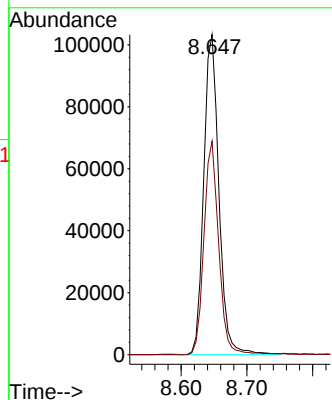
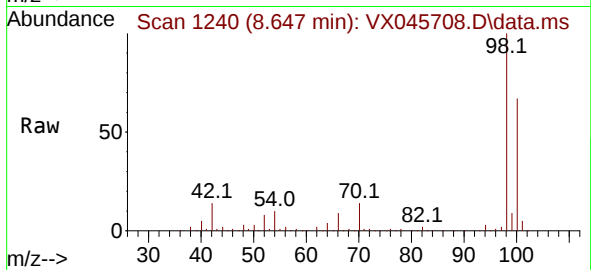




#50
Toluene-d8
Concen: 51.709 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045708.D
Acq: 10 Apr 2025 18:51

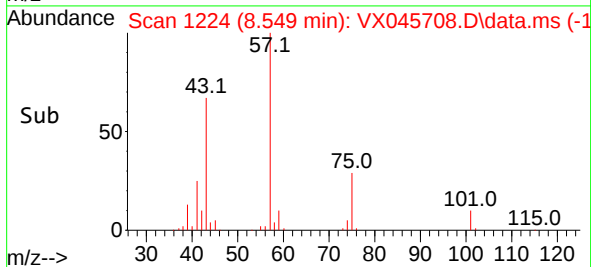
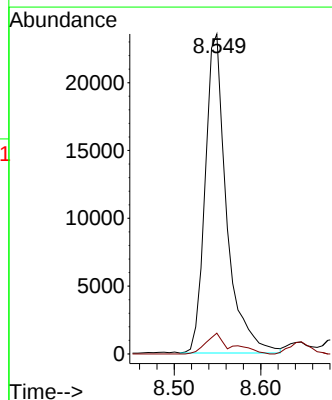
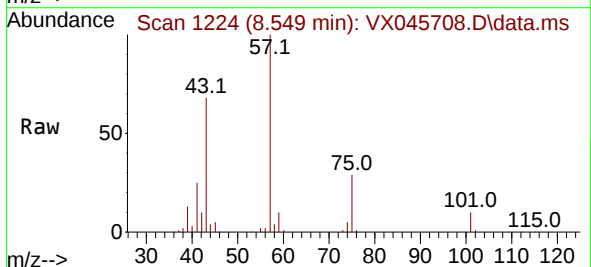
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#14

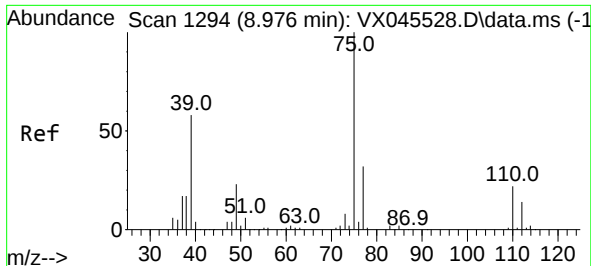
Tgt Ion: 98 Resp: 165736
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 25.697 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045708.D
Acq: 10 Apr 2025 18:51

Tgt Ion: 43 Resp: 40342
Ion Ratio Lower Upper
43 100
58 5.6 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.451 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX045708.D

Acq: 10 Apr 2025 18:51

Instrument :

MSVOA_X

ClientSampleId :

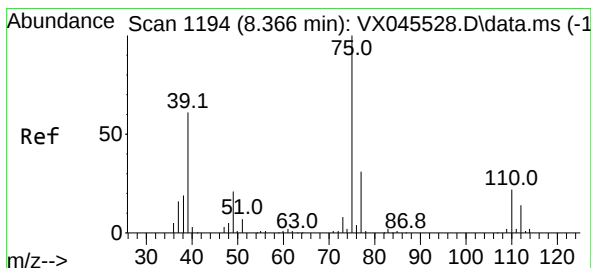
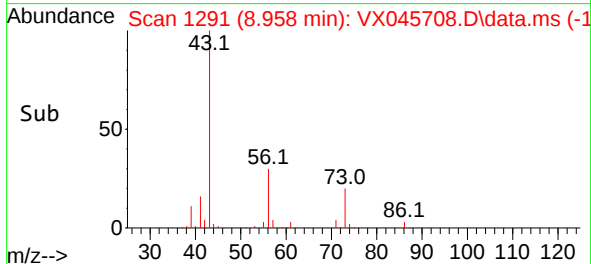
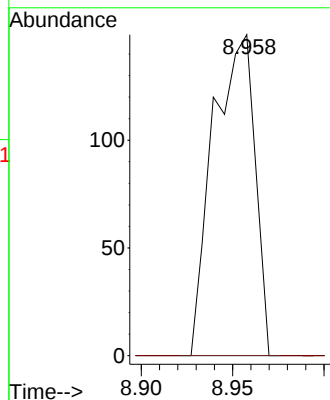
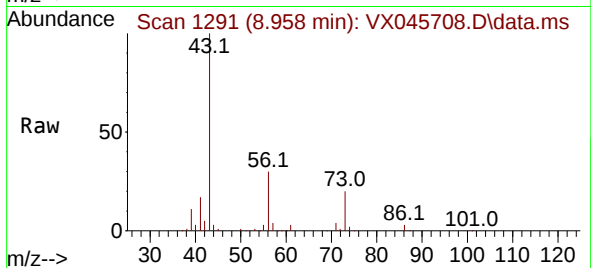
PB167534ZHE#14

Tgt Ion: 75 Resp: 237

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 11.523 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045708.D

Acq: 10 Apr 2025 18:51

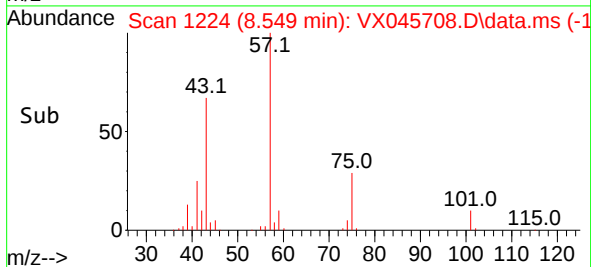
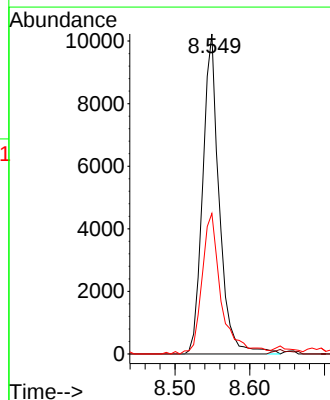
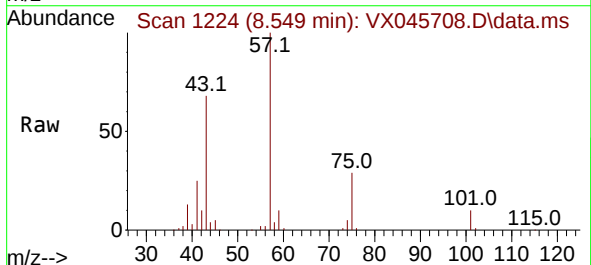
Tgt Ion: 75 Resp: 15684

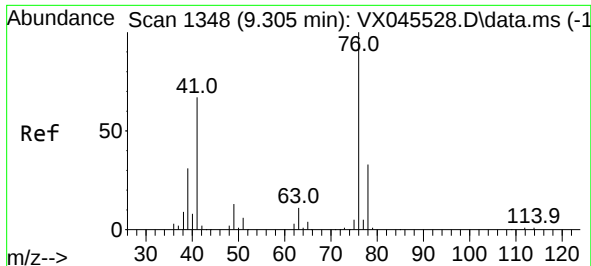
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 43.9 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.945 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX045708.D

Acq: 10 Apr 2025 18:51

Instrument :

MSVOA_X

ClientSampleId :

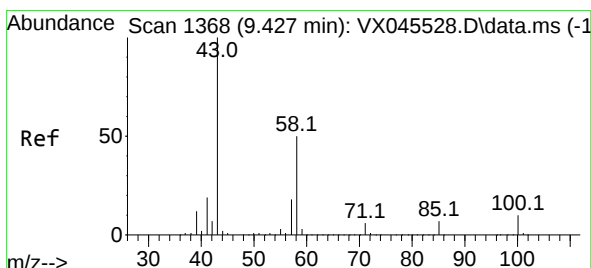
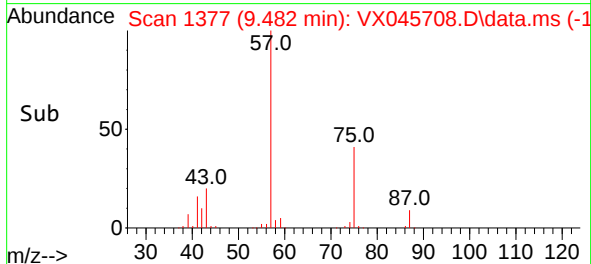
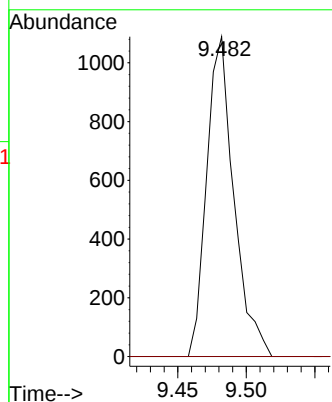
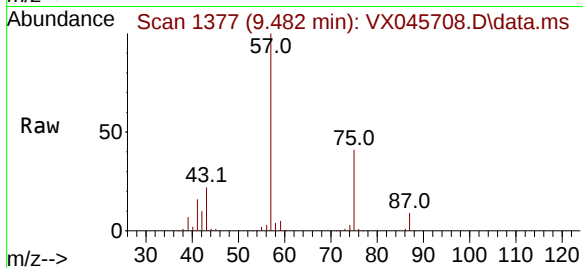
PB167534ZHE#14

Tgt Ion: 76 Resp: 1502

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 21.242 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX045708.D

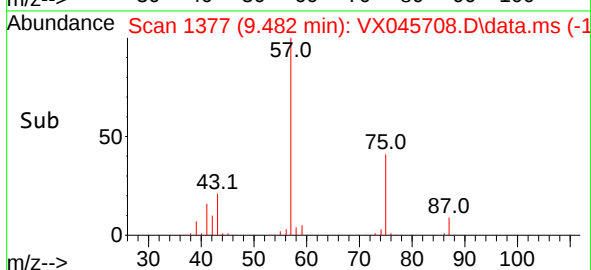
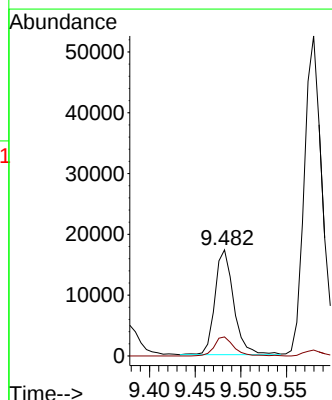
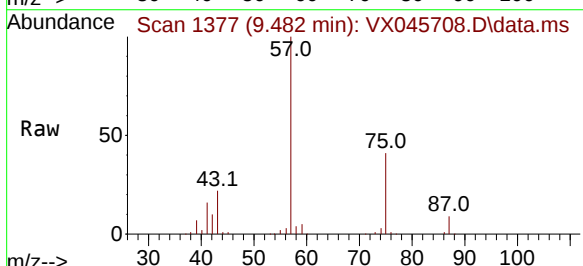
Acq: 10 Apr 2025 18:51

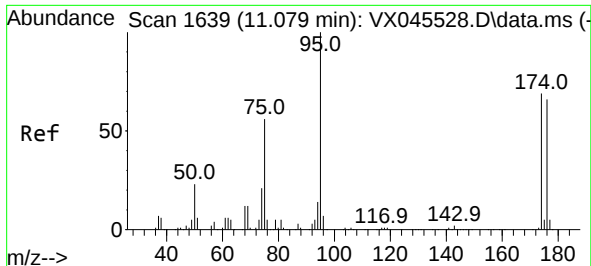
Tgt Ion: 43 Resp: 24695

Ion Ratio Lower Upper

43 100

58 19.1 24.9 74.6#

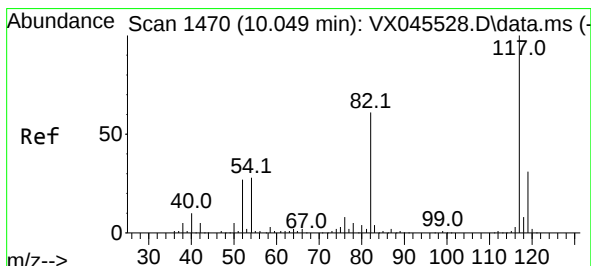
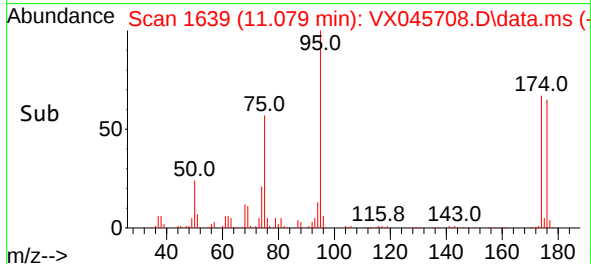
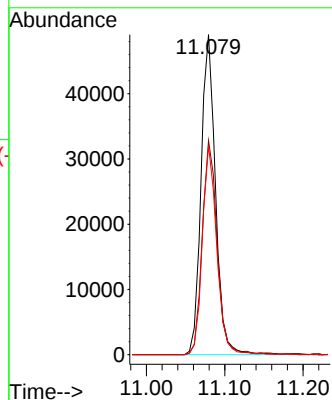
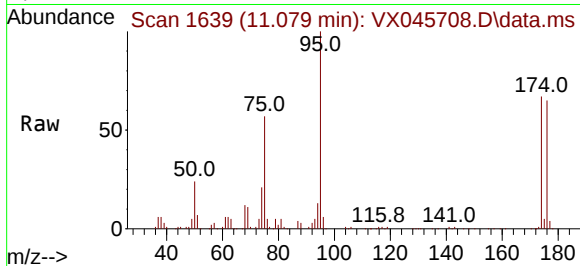




#62
4-Bromofluorobenzene
Concen: 53.931 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045708.D
Acq: 10 Apr 2025 18:51

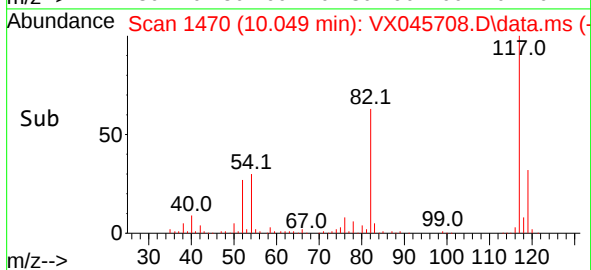
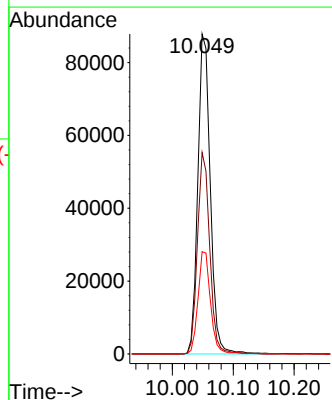
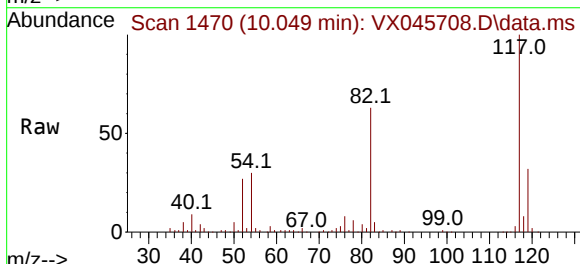
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#14

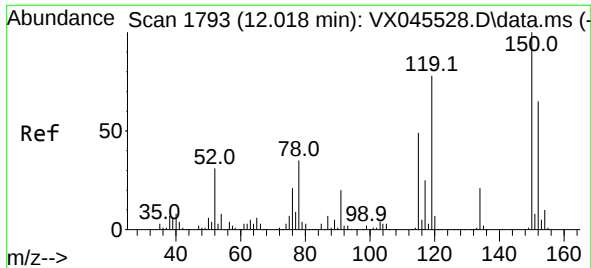
Tgt Ion: 95 Resp: 62963
Ion Ratio Lower Upper
95 100
174 68.4 0.0 135.8
176 65.3 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045708.D
Acq: 10 Apr 2025 18:51

Tgt Ion: 117 Resp: 124438
Ion Ratio Lower Upper
117 100
82 62.9 49.2 73.8
119 32.0 25.1 37.7

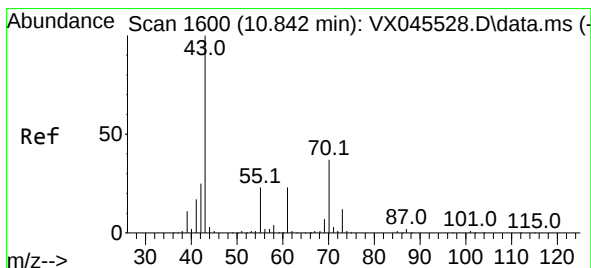
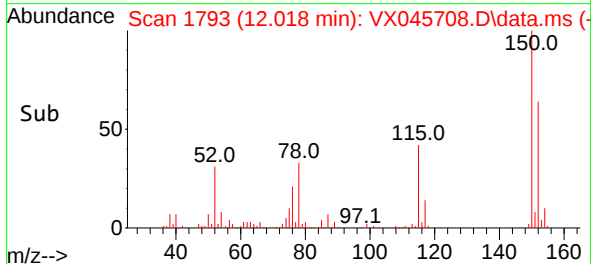
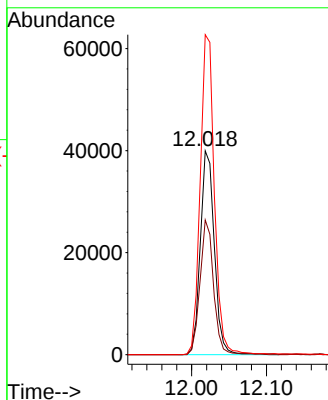
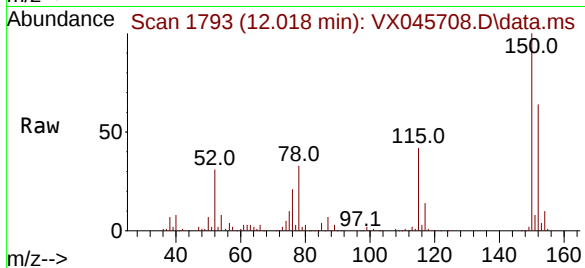




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX045708.D
 Acq: 10 Apr 2025 18:51

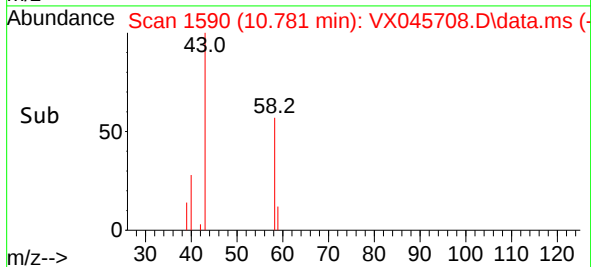
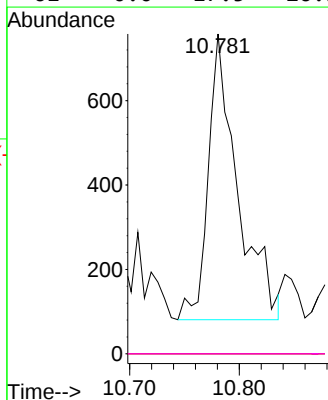
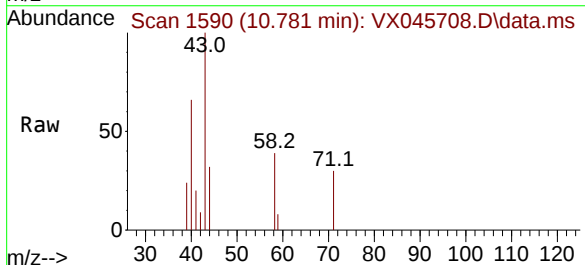
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#14

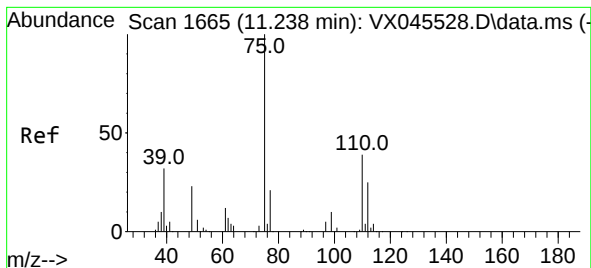
Tgt Ion:152 Resp: 52212
 Ion Ratio Lower Upper
 152 100
 115 63.7 46.9 140.7
 150 158.2 0.0 349.4



#74
 N-ethyl acetate
 Concen: 0.629 ug/l
 RT: 10.781 min Scan# 1590
 Delta R.T. -0.061 min
 Lab File: VX045708.D
 Acq: 10 Apr 2025 18:51

Tgt Ion: 43 Resp: 1259
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.1 45.1#
 55 0.0 18.3 27.5#
 61 0.0 17.5 26.3#





#76

1,2,3-Trichloropropane

Concen: 28.693 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045708.D

Acq: 10 Apr 2025 18:51

Instrument :

MSVOA_X

ClientSampleId :

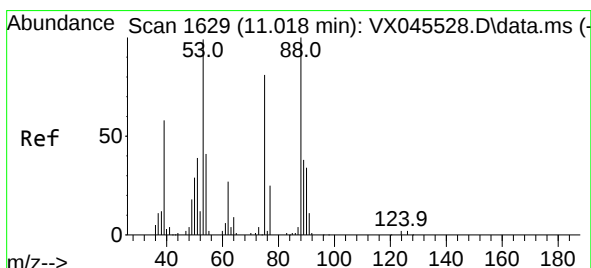
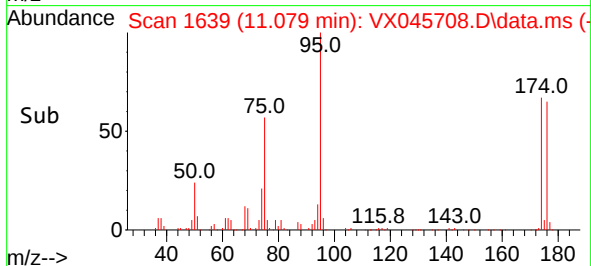
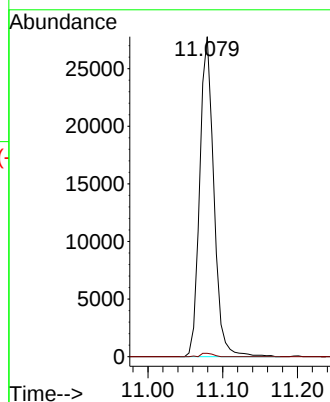
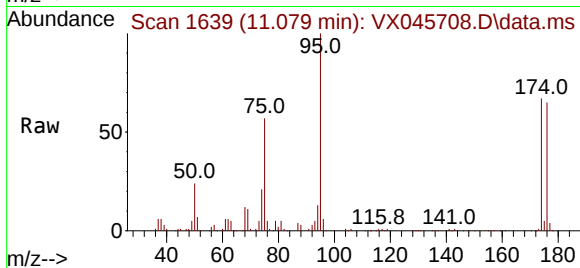
PB167534ZHE#14

Tgt Ion: 75 Resp: 36543

Ion Ratio Lower Upper

75 100

77 0.9 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 97.381 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045708.D

Acq: 10 Apr 2025 18:51

Tgt Ion: 75 Resp: 36543

Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.6#

89 0.0 37.2 55.8#

