

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040825\
 Data File : VX045651.D
 Acq On : 08 Apr 2025 14:47
 Operator : JC/MD
 Sample : PB167492ZHE09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492ZHE09

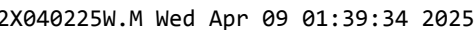
Quant Time: Apr 09 01:39:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

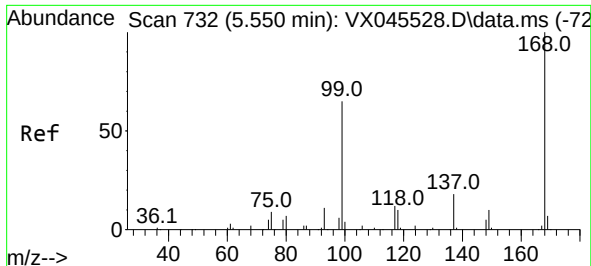
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	64086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125948	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63835	54.468	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.940%	
35) Dibromofluoromethane	5.379	113	46017	51.496	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.000%	
50) Toluene-d8	8.647	98	162907	52.230	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.460%	
62) 4-Bromofluorobenzene	11.079	95	61922	54.504	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 109.000%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.636	64	105	0.220	ug/l #	42
11) Tert butyl alcohol	2.983	59	527	3.346	ug/l #	72
14) Allyl chloride	2.660	41	316	0.216	ug/l #	21
16) Acetone	2.386	43	52873	109.868	ug/l	98
18) Methyl Acetate	2.709	43	2953	2.665	ug/l #	90
20) Methylene Chloride	2.788	84	11492	12.756	ug/l	93
25) 2-Butanone	4.580	43	6805	9.660	ug/l #	90
29) Tetrahydrofuran	5.044	42	113	0.247	ug/l #	35
31) Cyclohexane	5.544	56	1952	1.358	ug/l #	43
36) 1,1-Dichloropropene	5.550	75	6269	5.196	ug/l #	50
37) Ethyl Acetate	4.580	43	6805	4.476	ug/l #	71
38) Carbon Tetrachloride	5.550	117	7558	5.796	ug/l #	16
43) Isopropyl Acetate	6.348	43	8065	3.500	ug/l	98
48) Methyl methacrylate	7.793	41	45773	38.469	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	38890	25.457	ug/l #	47
53) t-1,3-Dichloropropene	8.958	75	226	2.448	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13862	10.466	ug/l #	72
57) 1,3-Dichloropropane	9.476	76	1314	0.849	ug/l #	42
59) 2-Hexanone	9.378	43	6730	5.949	ug/l #	28
74) N-amyl acetate	10.781	43	1810	0.931	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	36215	29.270	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36215	99.340	ug/l #	1

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

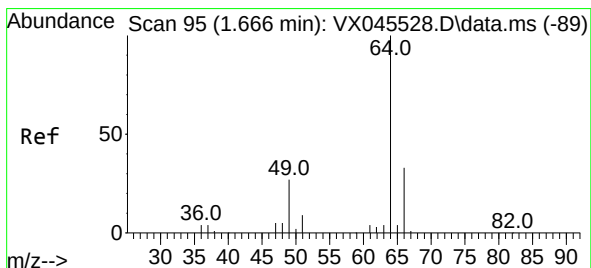
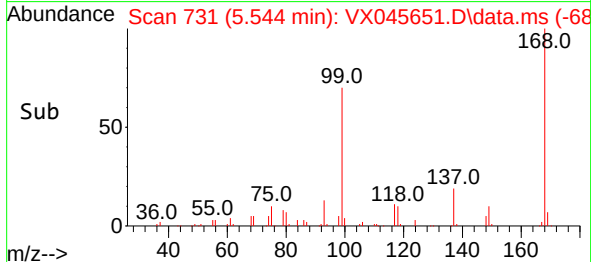
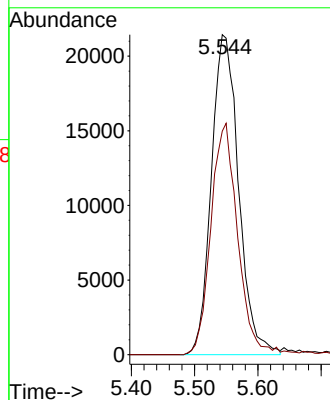
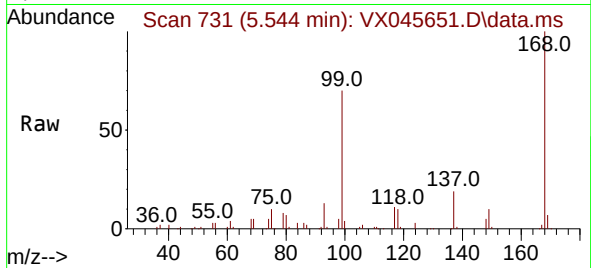




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045651.D
Acq: 08 Apr 2025 14:47

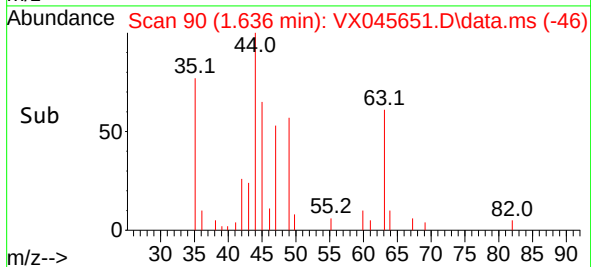
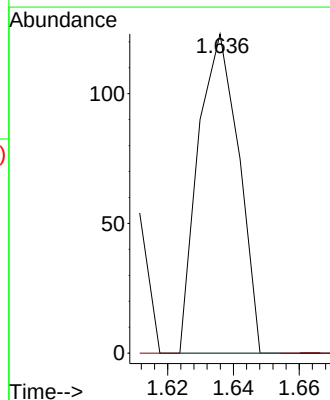
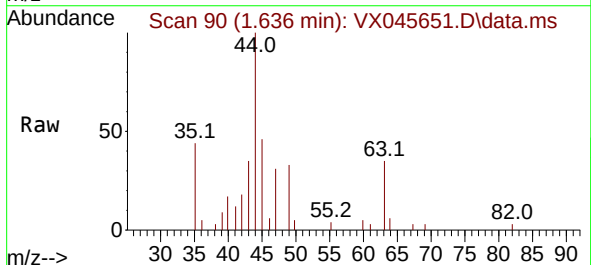
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE09

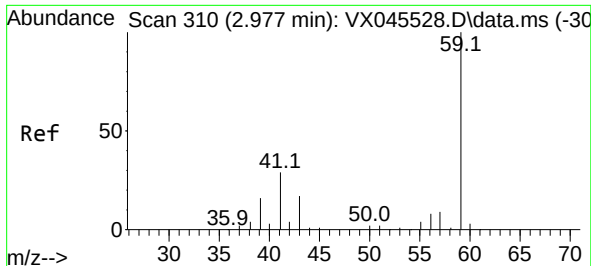
Tgt Ion:168 Resp: 64086
Ion Ratio Lower Upper
168 100
99 69.9 52.3 78.5



#6
Chloroethane
Concen: 0.220 ug/l
RT: 1.636 min Scan# 90
Delta R.T. -0.030 min
Lab File: VX045651.D
Acq: 08 Apr 2025 14:47

Tgt Ion: 64 Resp: 105
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5

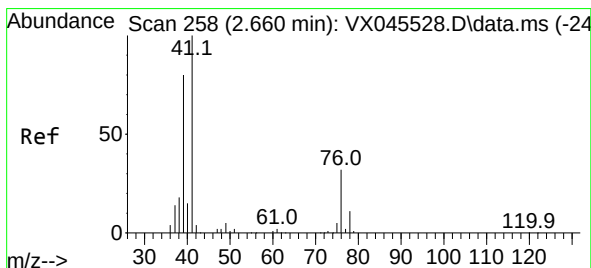
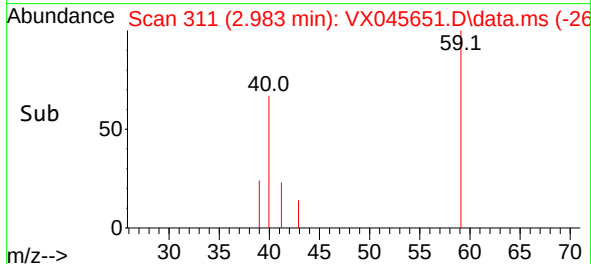
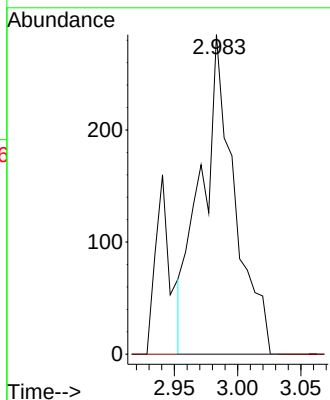
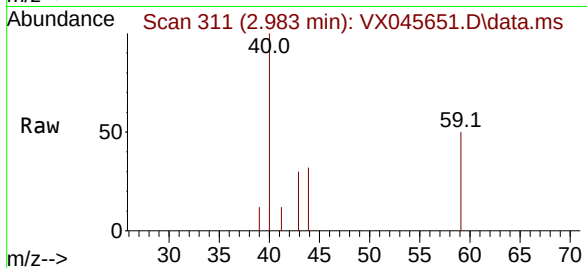




#11
Tert butyl alcohol
Concen: 3.346 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX045651.D
Acq: 08 Apr 2025 14:47

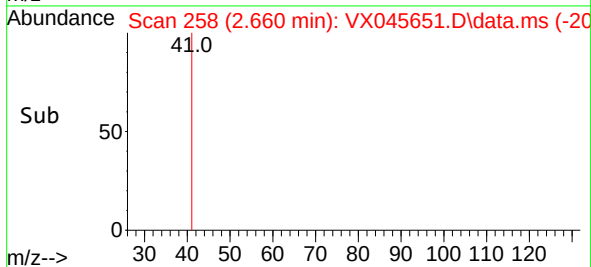
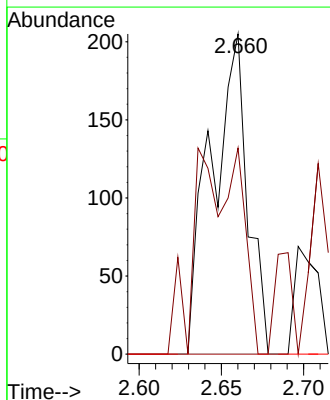
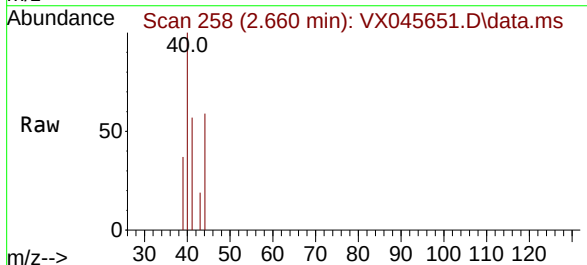
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE09

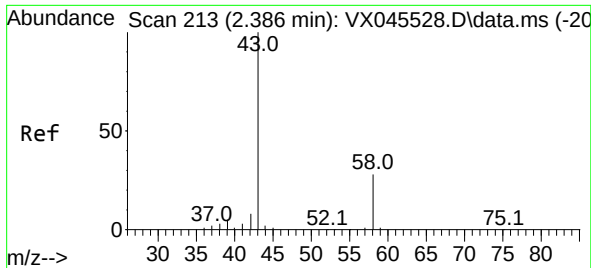
Tgt Ion: 59 Resp: 527
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#14
Allyl chloride
Concen: 0.216 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045651.D
Acq: 08 Apr 2025 14:47

Tgt Ion: 41 Resp: 316
Ion Ratio Lower Upper
41 100
39 0.0 60.2 90.2#
76 0.0 24.6 36.8#

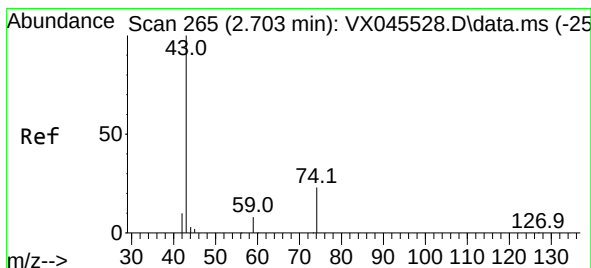
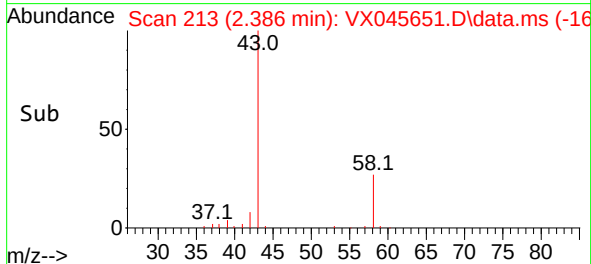
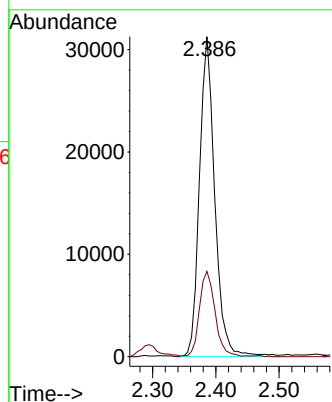
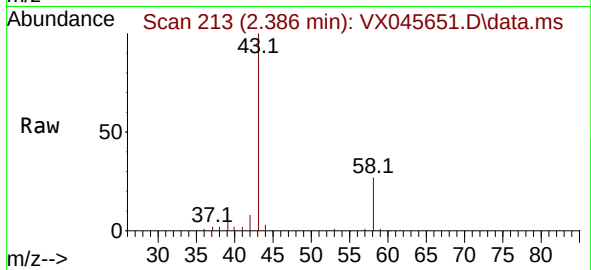




#16
Acetone
Concen: 109.868 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045651.D
Acq: 08 Apr 2025 14:47

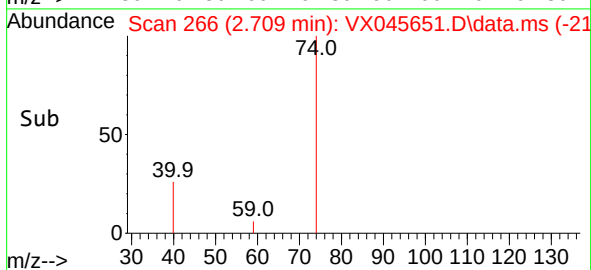
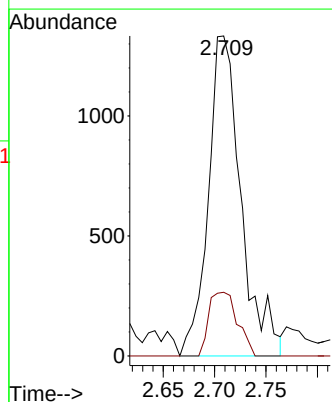
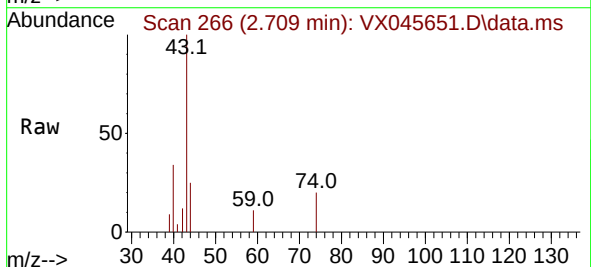
Instrument :
MSVOA_X
ClientSampleId :
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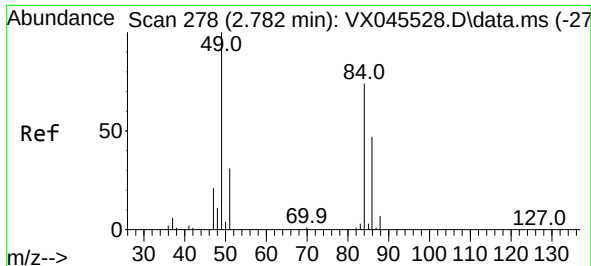
Tgt Ion: 43 Resp: 52873
Ion Ratio Lower Upper
43 100
58 26.7 22.3 33.5



#18
Methyl Acetate
Concen: 2.665 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045651.D
Acq: 08 Apr 2025 14:47

Tgt Ion: 43 Resp: 2953
Ion Ratio Lower Upper
43 100
74 17.4 17.5 26.3#

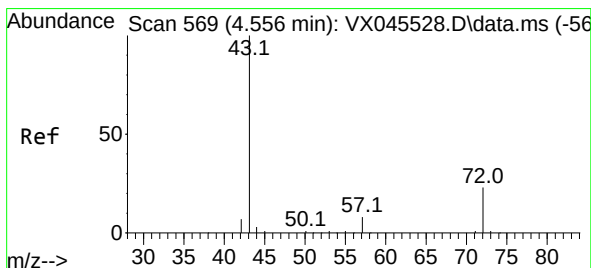
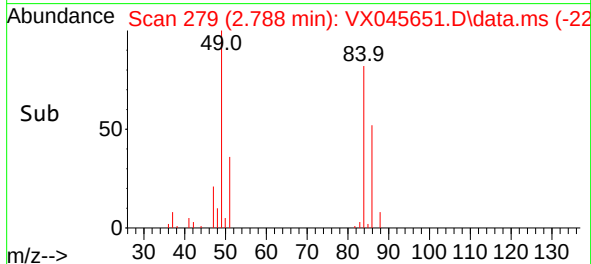
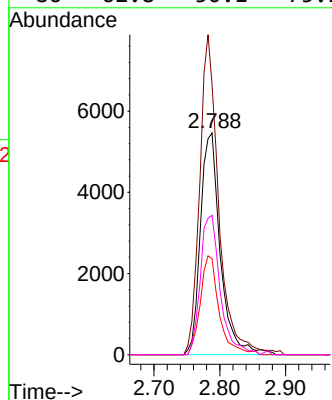
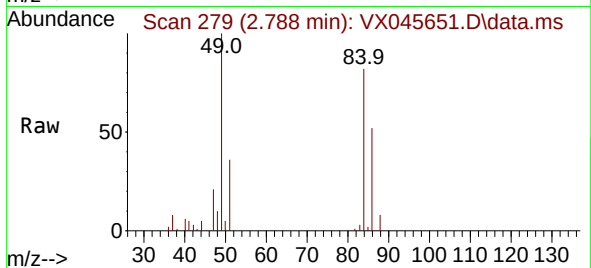




#20
Methylene Chloride
Concen: 12.756 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045651.D
Acq: 08 Apr 2025 14:47

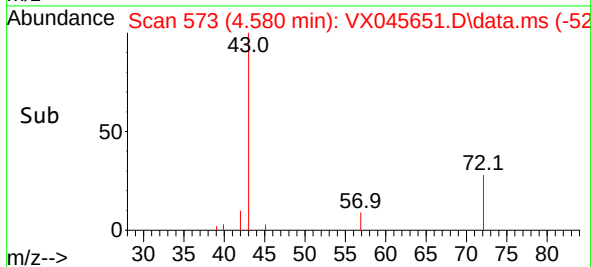
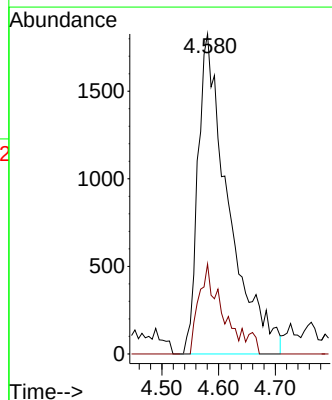
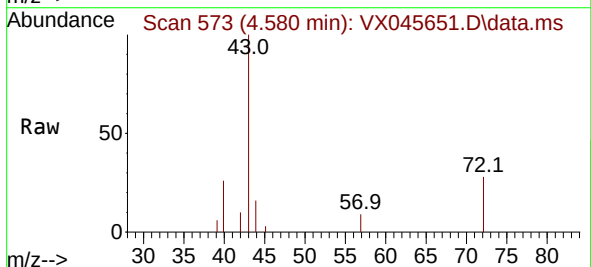
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE09

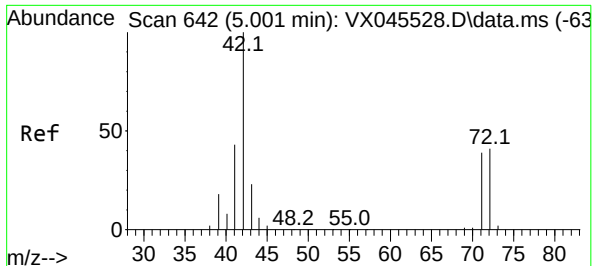
Tgt Ion:	84	Resp:	11492
Ion	Ratio	Lower	Upper
84	100		
49	121.7	107.5	161.3
51	43.2	33.0	49.6
86	62.8	50.1	75.1



#25
2-Butanone
Concen: 9.660 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX045651.D
Acq: 08 Apr 2025 14:47

Tgt Ion:	43	Resp:	6805
Ion	Ratio	Lower	Upper
43	100		
72	28.1	18.6	28.0#





#29

Tetrahydrofuran

Concen: 0.247 ug/l

RT: 5.044 min Scan# 642

Delta R.T. 0.043 min

Lab File: VX045651.D

Acq: 08 Apr 2025 14:47

Instrument :

MSVOA_X

ClientSampleId :

PB167492ZHE09

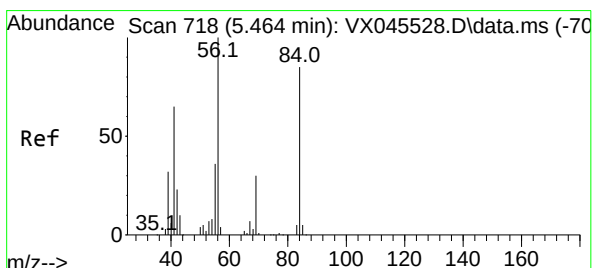
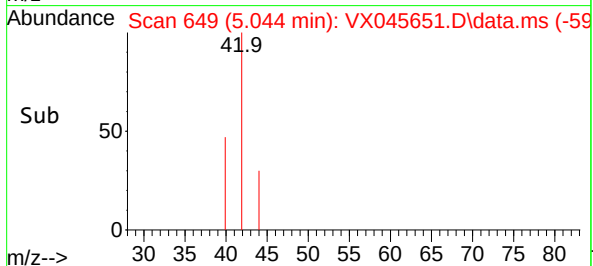
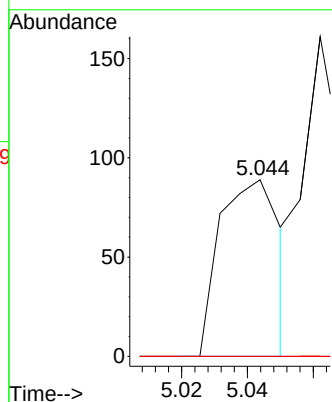
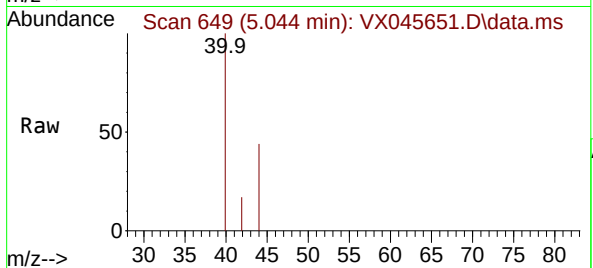
Tgt Ion: 42 Resp: 113

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.358 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045651.D

Acq: 08 Apr 2025 14:47

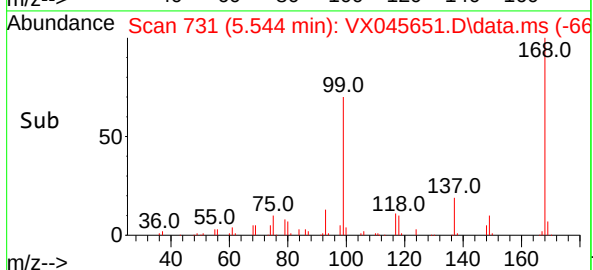
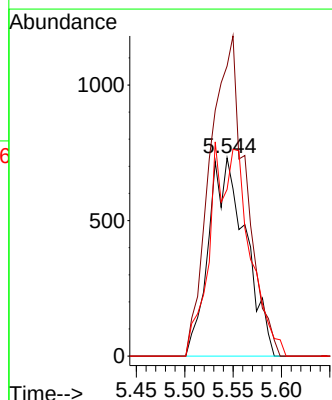
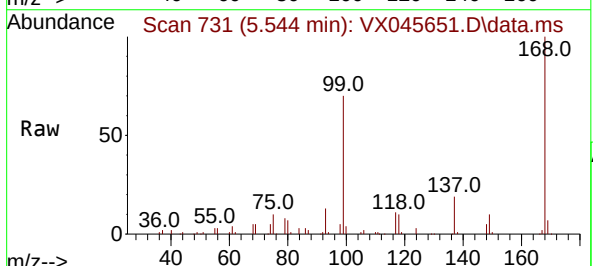
Tgt Ion: 56 Resp: 1952

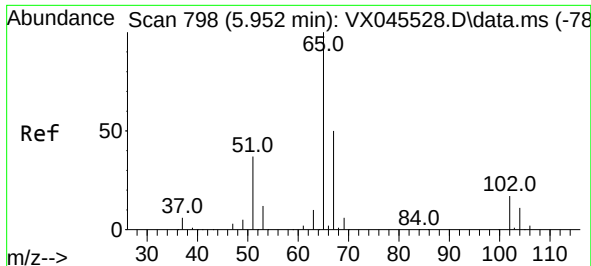
Ion Ratio Lower Upper

56 100

69 146.4 23.6 35.4#

84 84.1 67.7 101.5

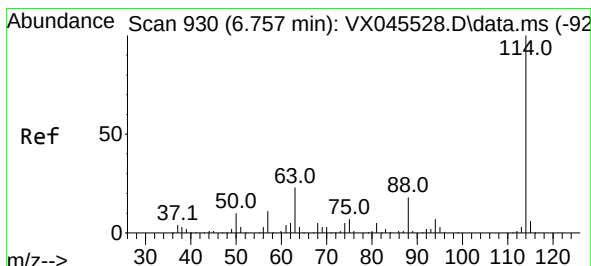
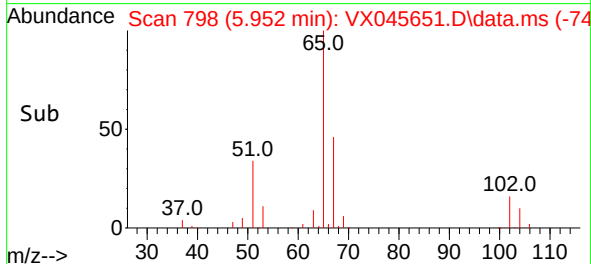
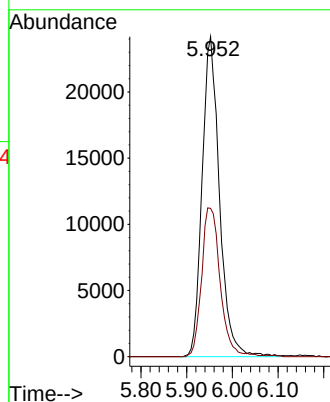
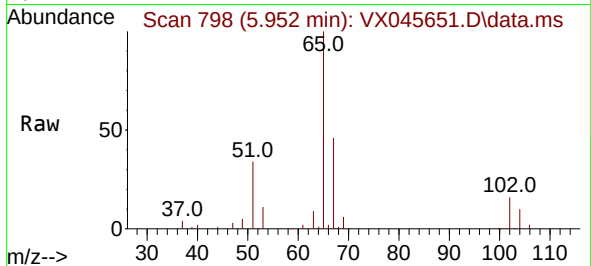




#33
 1,2-Dichloroethane-d4
 Concen: 54.468 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX045651.D
 Acq: 08 Apr 2025 14:47

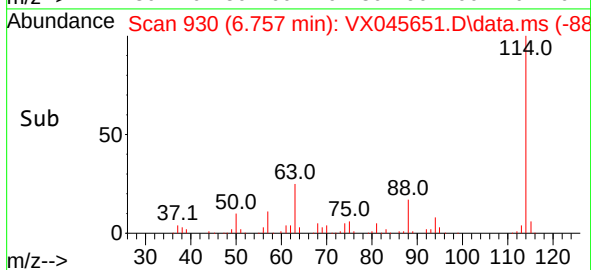
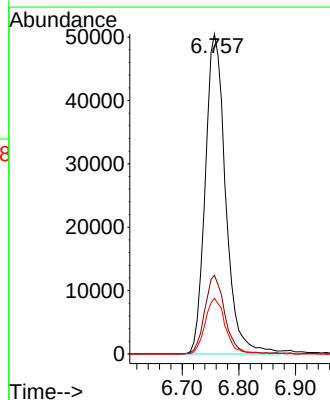
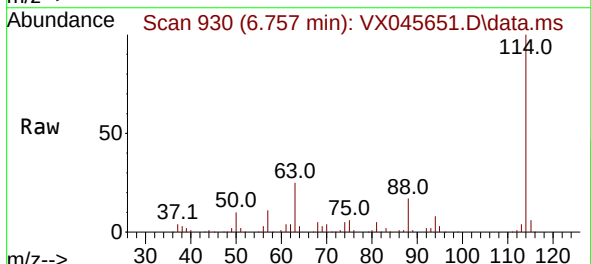
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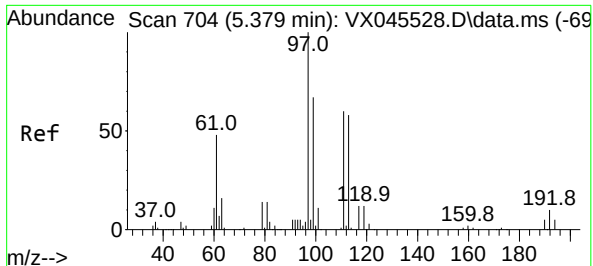
Tgt Ion: 65 Resp: 63835
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX045651.D
 Acq: 08 Apr 2025 14:47

Tgt Ion: 114 Resp: 125948
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 46.8
 88 17.4 0.0 35.4

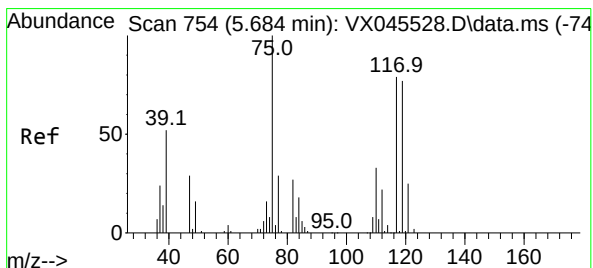
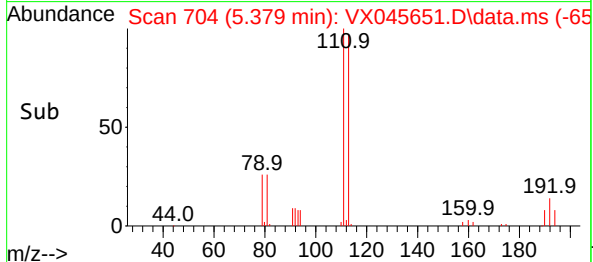
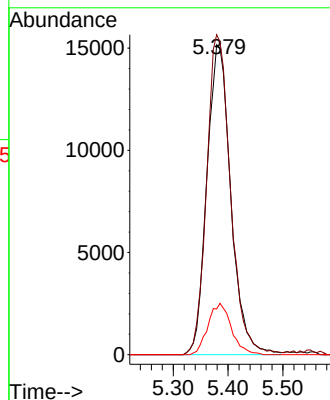
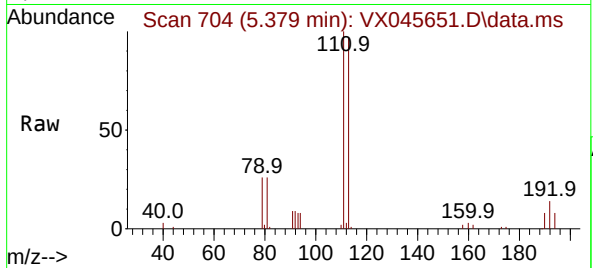




#35
Dibromofluoromethane
Concen: 51.496 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045651.D
Acq: 08 Apr 2025 14:47

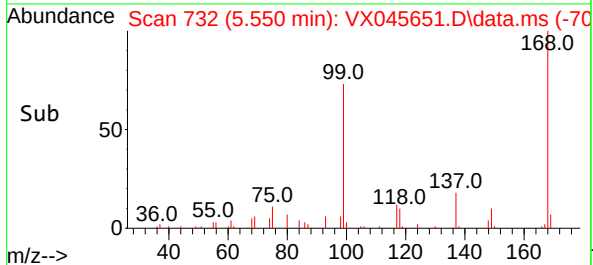
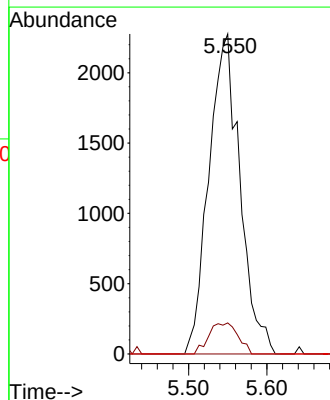
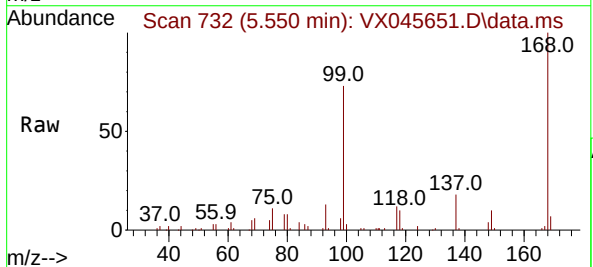
Instrument :
MSVOA_X
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PB167492ZHE09

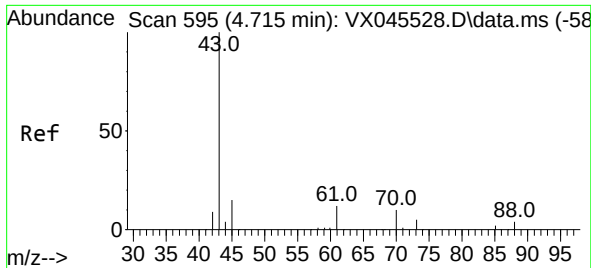
Tgt Ion:113 Resp: 46017
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.6
192 16.2 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.196 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX045651.D
Acq: 08 Apr 2025 14:47

Tgt Ion: 75 Resp: 6269
Ion Ratio Lower Upper
75 100
110 9.1 16.9 50.6#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 4.476 ug/l

RT: 4.580 min Scan# 51

Delta R.T. -0.134 min

Lab File: VX045651.D

Acq: 08 Apr 2025 14:47

Instrument :

MSVOA_X

ClientSampleId :

PB167492ZHE09

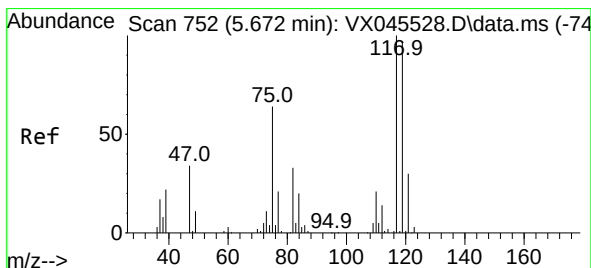
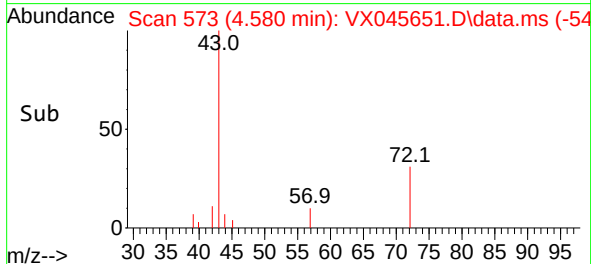
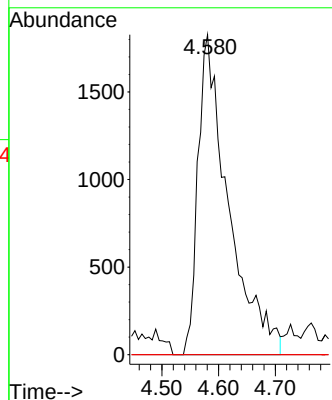
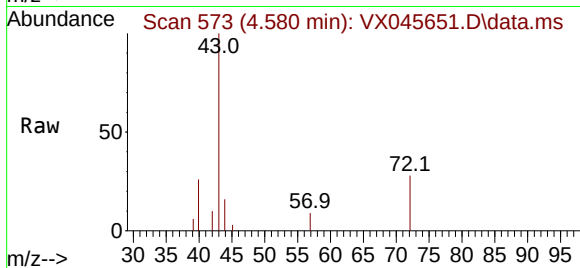
Tgt Ion: 43 Resp: 6805

Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 0.0 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 5.796 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX045651.D

Acq: 08 Apr 2025 14:47

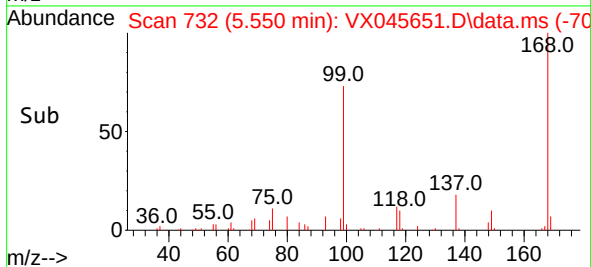
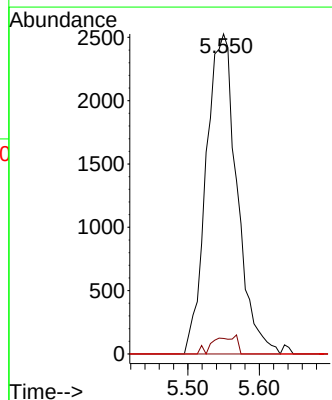
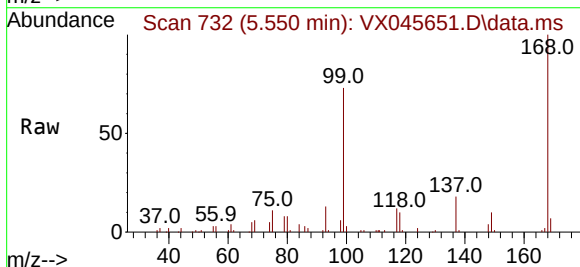
Tgt Ion: 117 Resp: 7558

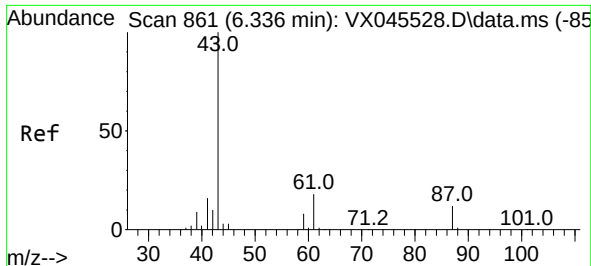
Ion Ratio Lower Upper

117 100

119 4.8 76.9 115.3#

121 0.0 24.2 36.2#

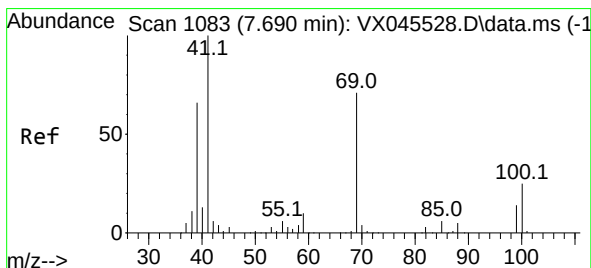
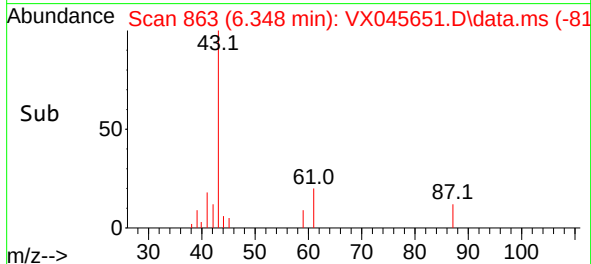
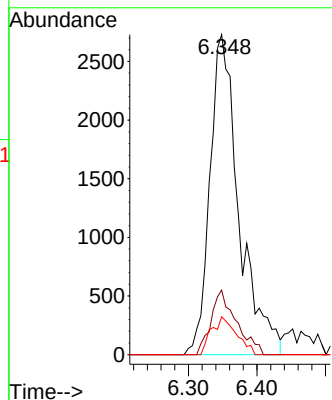
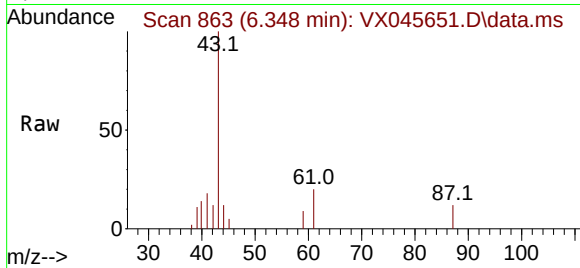




#43
Isopropyl Acetate
Concen: 3.500 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX045651.D
Acq: 08 Apr 2025 14:47

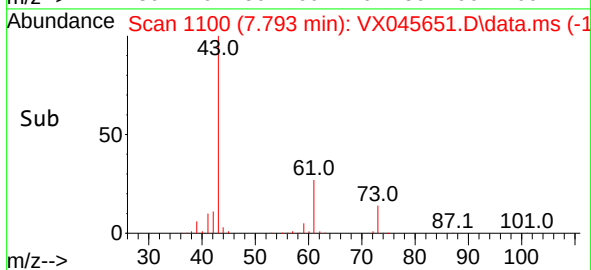
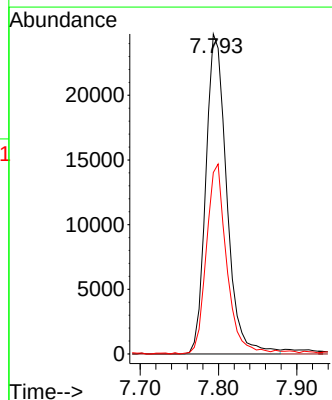
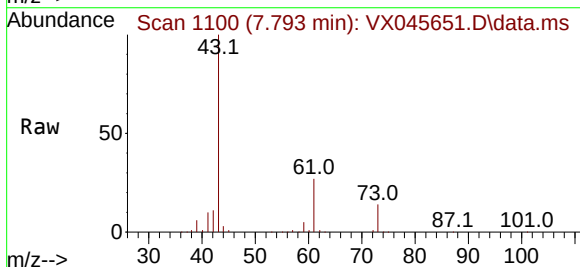
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE09

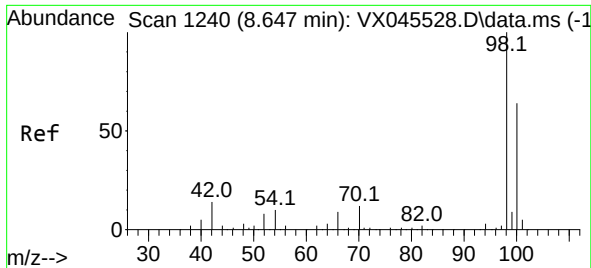
Tgt Ion: 43 Resp: 8065
Ion Ratio Lower Upper
43 100
61 17.5 14.1 21.1
87 10.1 9.2 13.8



#48
Methyl methacrylate
Concen: 38.469 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045651.D
Acq: 08 Apr 2025 14:47

Tgt Ion: 41 Resp: 45773
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 57.6 53.6 80.4

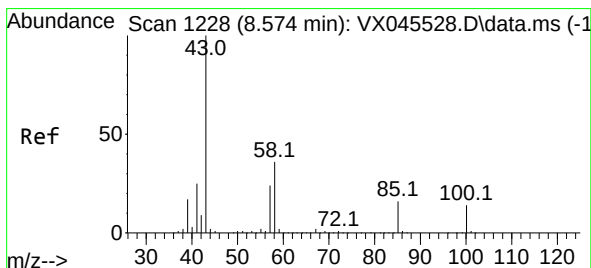
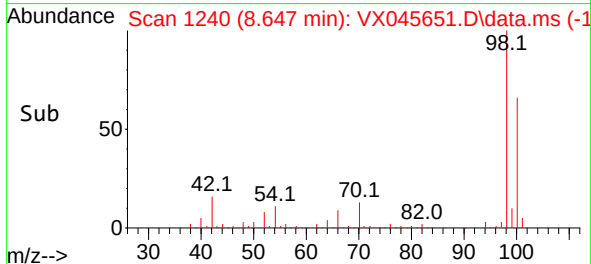
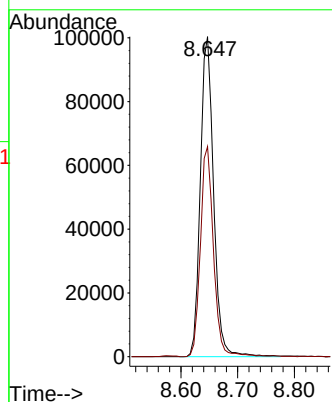
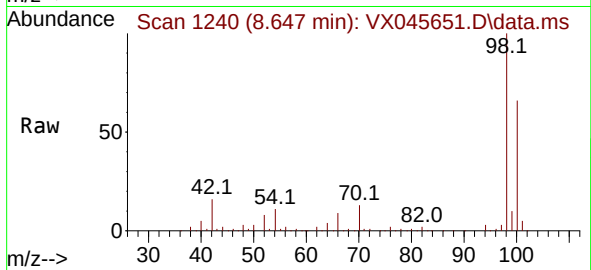




#50
Toluene-d8
Concen: 52.230 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045651.D
Acq: 08 Apr 2025 14:47

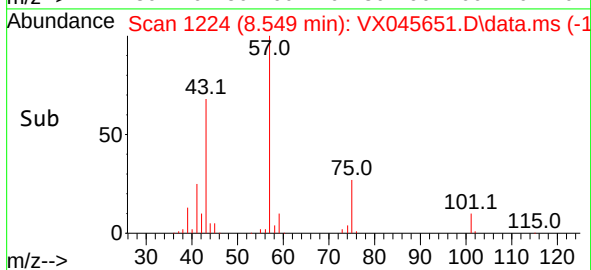
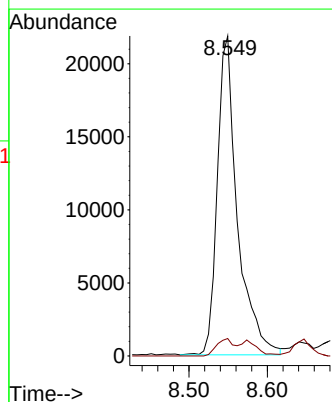
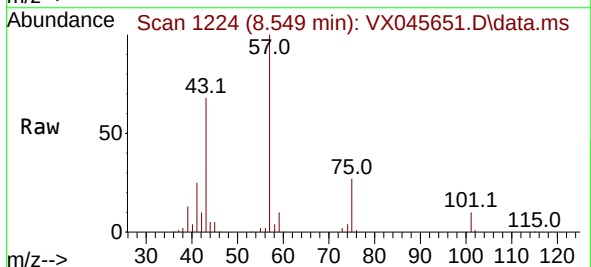
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE09

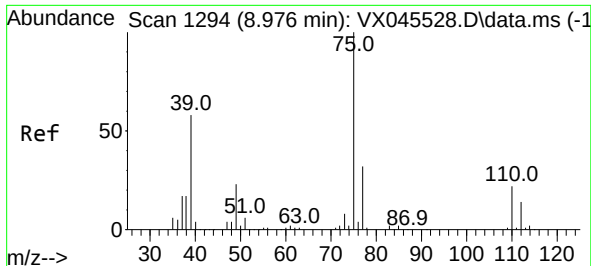
Tgt Ion: 98 Resp: 162907
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 25.457 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045651.D
Acq: 08 Apr 2025 14:47

Tgt Ion: 43 Resp: 38890
Ion Ratio Lower Upper
43 100
58 4.8 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.448 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX045651.D

Acq: 08 Apr 2025 14:47

Instrument :

MSVOA_X

ClientSampleId :

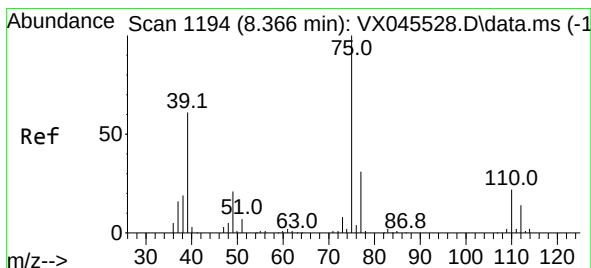
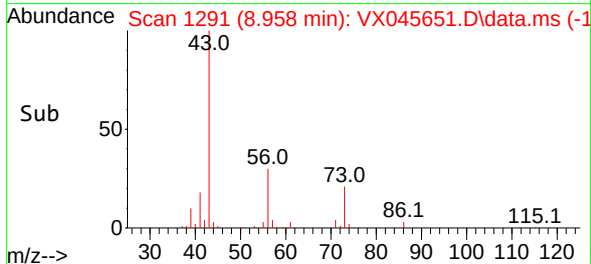
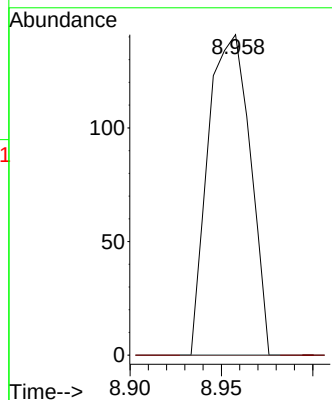
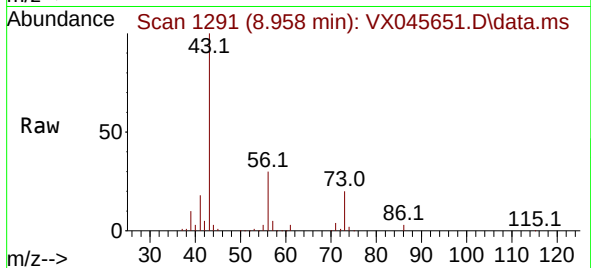
PB167492ZHE09

Tgt Ion: 75 Resp: 226

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 10.466 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045651.D

Acq: 08 Apr 2025 14:47

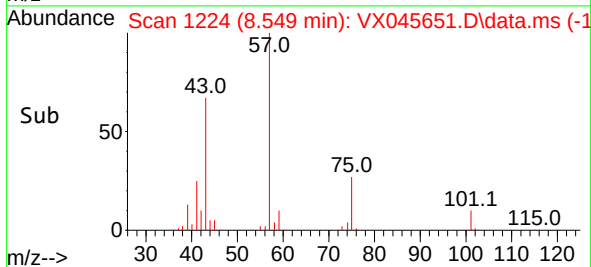
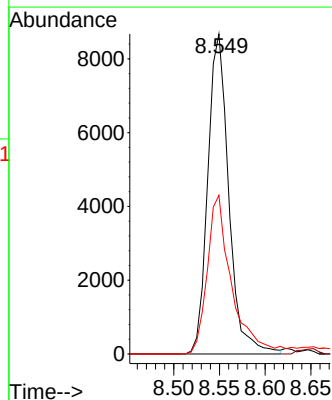
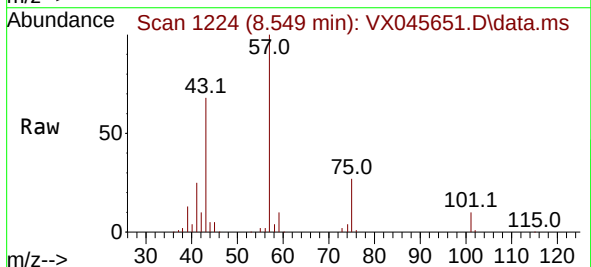
Tgt Ion: 75 Resp: 13862

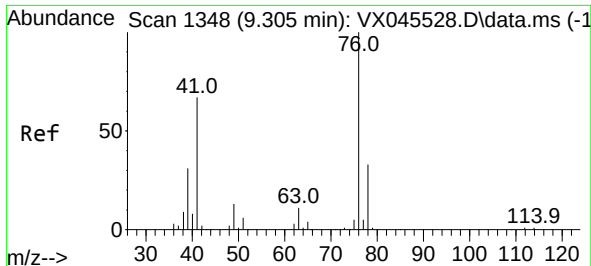
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 49.6 48.4 72.6

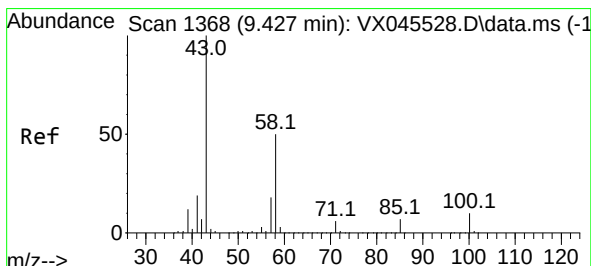
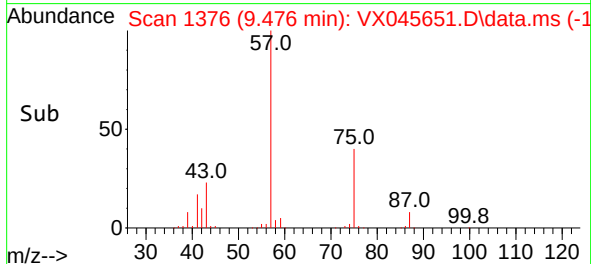
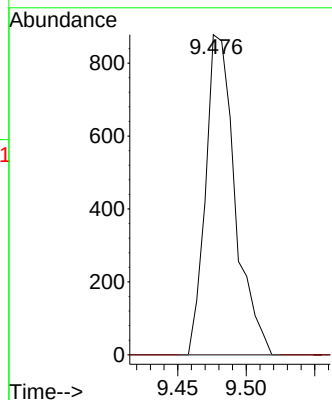
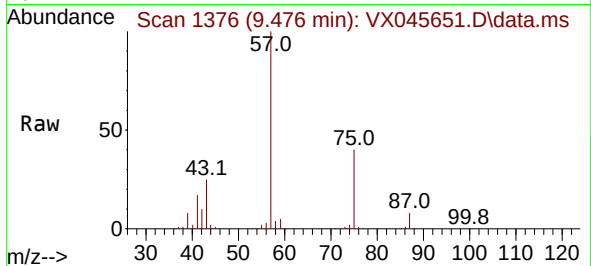




#57
1,3-Dichloropropane
Concen: 0.849 ug/l
RT: 9.476 min Scan# 1376
Delta R.T. 0.171 min
Lab File: VX045651.D
Acq: 08 Apr 2025 14:47

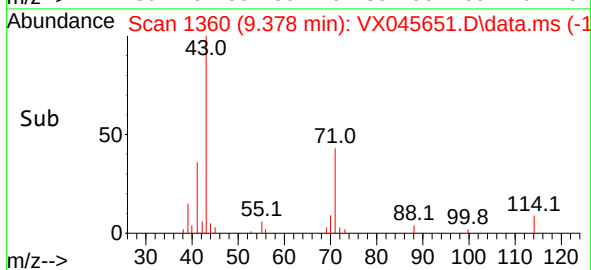
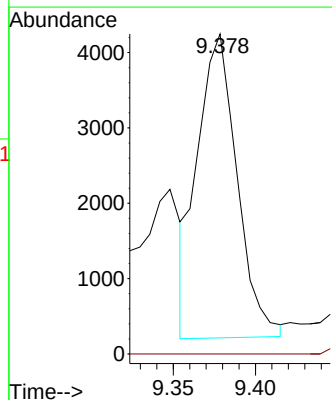
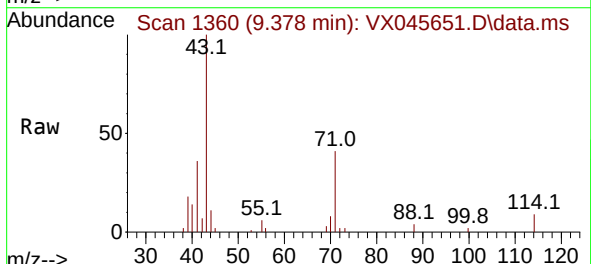
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE09

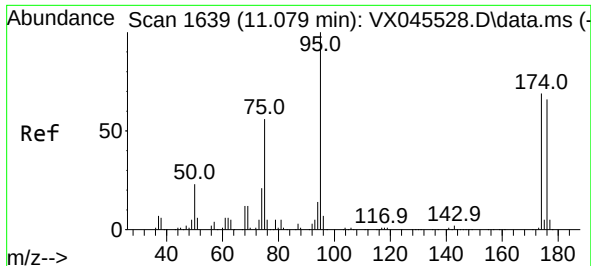
Tgt Ion: 76 Resp: 1314
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 5.949 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX045651.D
Acq: 08 Apr 2025 14:47

Tgt Ion: 43 Resp: 6730
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 54.504 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045651.D

Acq: 08 Apr 2025 14:47

Instrument :

MSVOA_X

ClientSampleId :

PB167492ZHE09

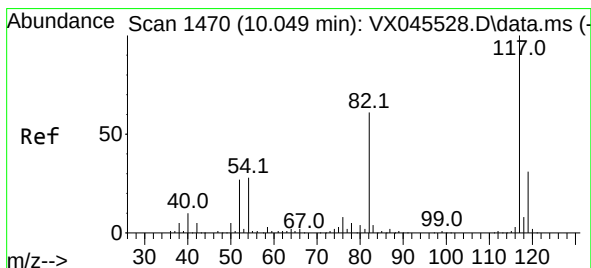
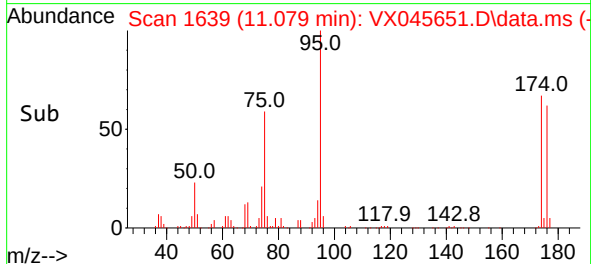
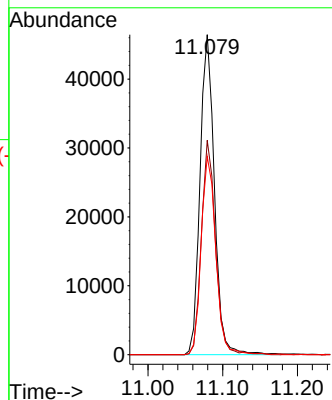
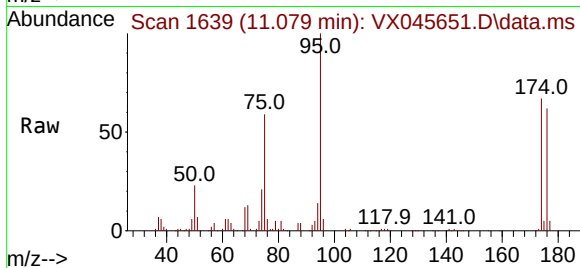
Tgt Ion: 95 Resp: 61922

Ion Ratio Lower Upper

95 100

174 66.0 0.0 135.8

176 63.2 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: VX045651.D

Acq: 08 Apr 2025 14:47

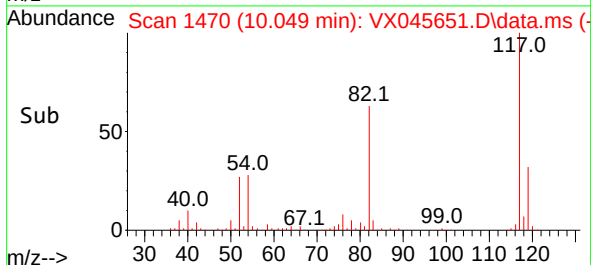
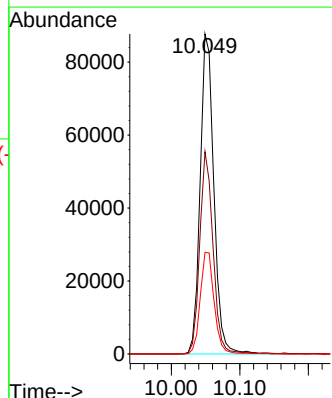
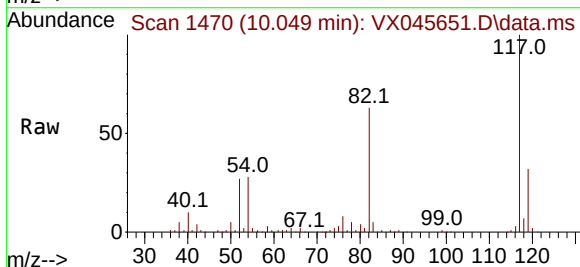
Tgt Ion: 117 Resp: 122255

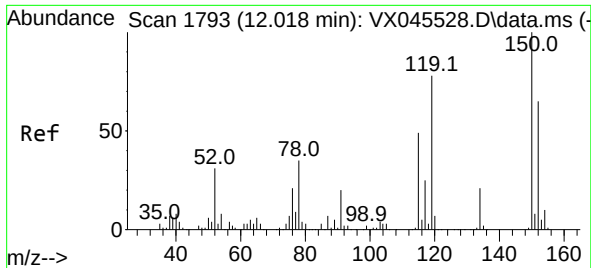
Ion Ratio Lower Upper

117 100

82 63.2 49.2 73.8

119 31.7 25.1 37.7

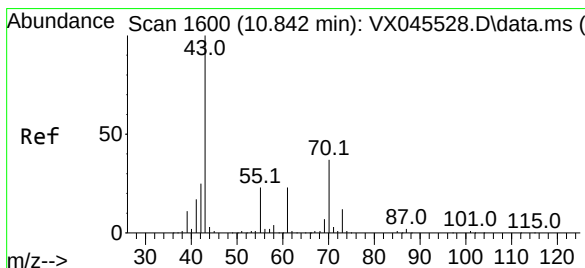
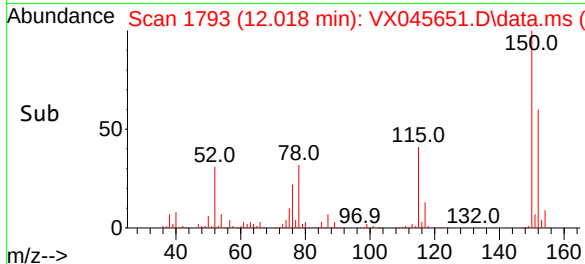
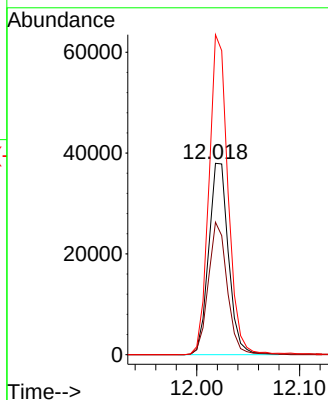
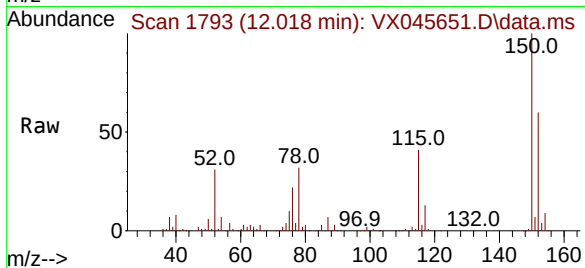




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX045651.D
 Acq: 08 Apr 2025 14:47

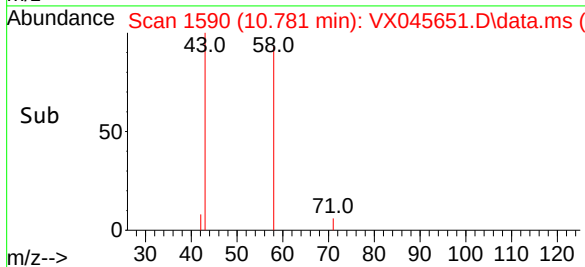
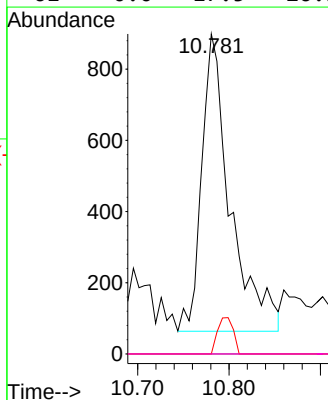
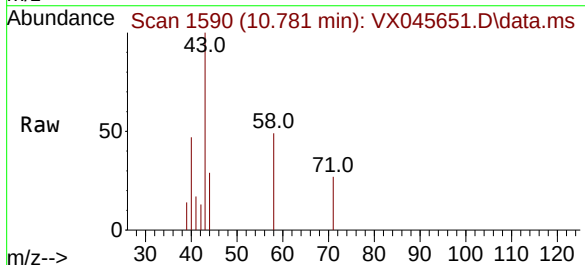
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492ZHE09

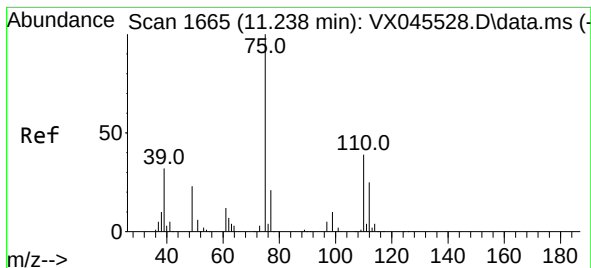
Tgt Ion:152 Resp: 50723
 Ion Ratio Lower Upper
 152 100
 115 66.1 46.9 140.7
 150 161.5 0.0 349.4



#74
 N-ethyl acetate
 Concen: 0.931 ug/l
 RT: 10.781 min Scan# 1590
 Delta R.T. -0.061 min
 Lab File: VX045651.D
 Acq: 08 Apr 2025 14:47

Tgt Ion: 43 Resp: 1810
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.1 45.1#
 55 6.7 18.3 27.5#
 61 0.0 17.5 26.3#

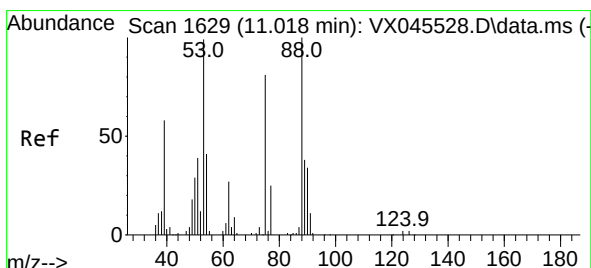
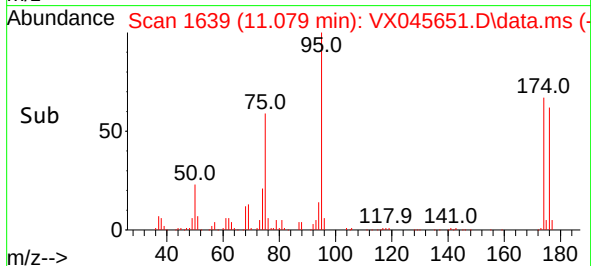
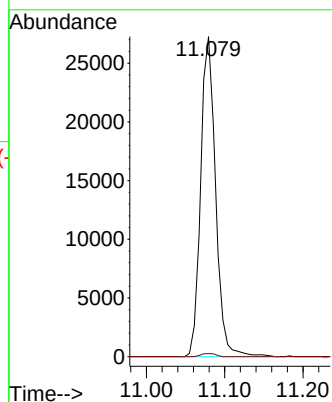
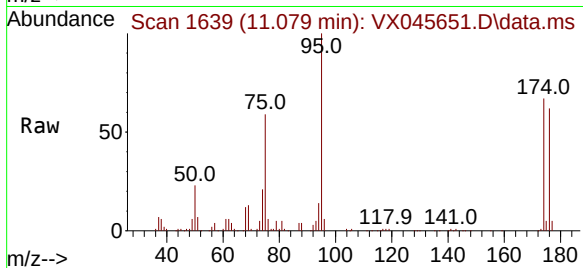




#76
1,2,3-Trichloropropane
Concen: 29.270 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045651.D
Acq: 08 Apr 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE09

Tgt Ion: 75 Resp: 36215
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.340 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045651.D
Acq: 08 Apr 2025 14:47

Tgt Ion: 75 Resp: 36215
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

