

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040925\
 Data File : VX045678.D
 Acq On : 09 Apr 2025 16:06
 Operator : JC/MD
 Sample : Q1746-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-149-SB01

Quant Time: Apr 10 01:36:13 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)

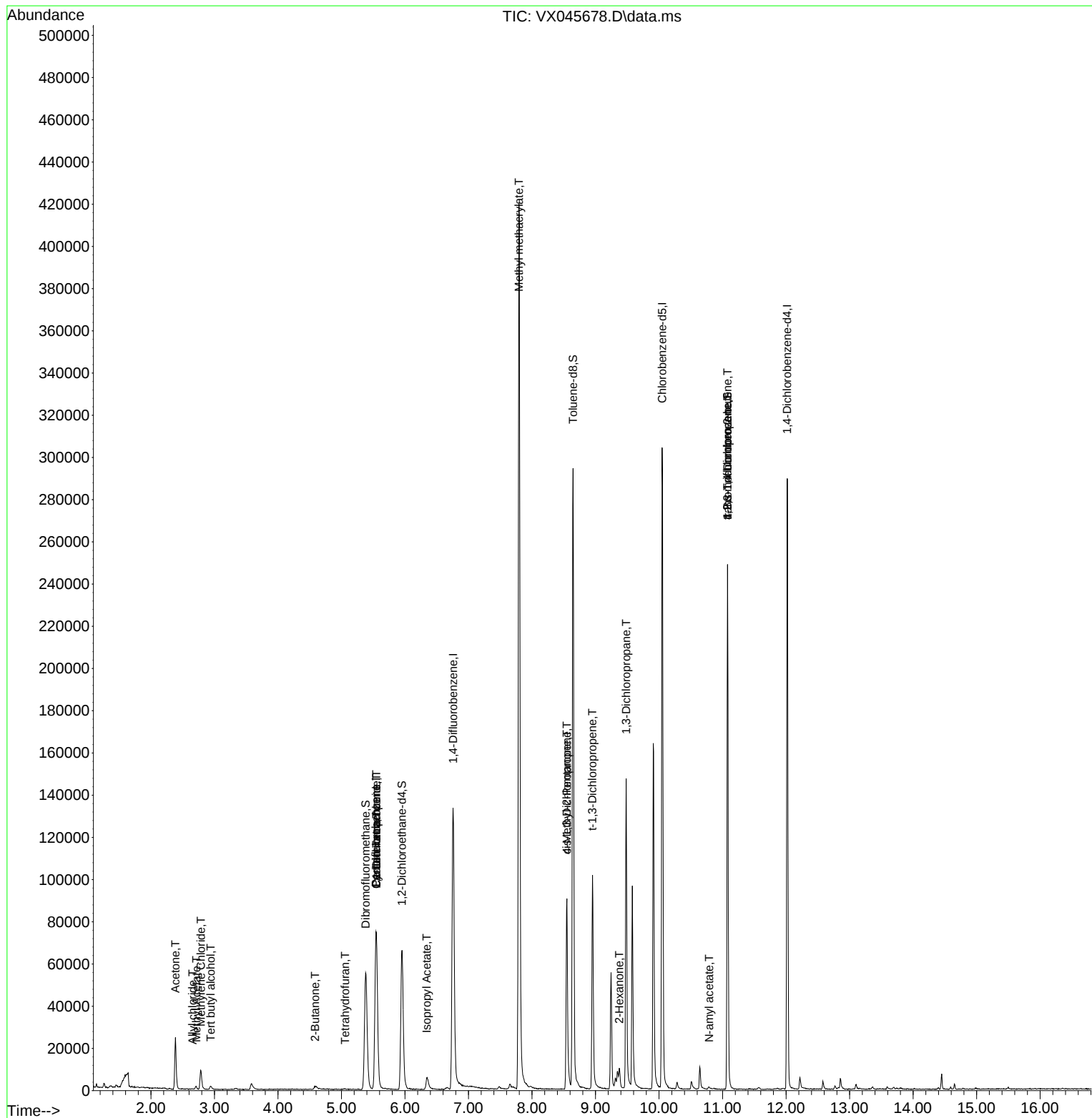
Internal Standards						
1) Pentafluorobenzene	5.544	168	64791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130620	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68461	57.780	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.560%			
35) Dibromofluoromethane	5.379	113	48432	52.260	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.520%			
50) Toluene-d8	8.647	98	168400	52.060	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.120%			
62) 4-Bromofluorobenzene	11.079	95	63131	53.580	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.160%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	918	5.765	ug/l #	72
14) Allyl chloride	2.654	41	324	0.220	ug/l #	21
16) Acetone	2.386	43	25809	53.046	ug/l	96
18) Methyl Acetate	2.715	43	1950	1.741	ug/l #	89
20) Methylene Chloride	2.788	84	4407	4.838	ug/l	90
25) 2-Butanone	4.586	43	3565	5.006	ug/l	99
29) Tetrahydrofuran	5.056	42	187	0.405	ug/l #	35
31) Cyclohexane	5.550	56	1962	1.350	ug/l #	31
36) 1,1-Dichloropropene	5.550	75	6601	5.275	ug/l #	49
38) Carbon Tetrachloride	5.550	117	7663	5.666	ug/l #	16
43) Isopropyl Acetate	6.342	43	8737	3.656	ug/l	99
48) Methyl methacrylate	7.793	41	43326	35.110	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	35505	22.410	ug/l #	53
53) t-1,3-Dichloropropene	8.951	75	207	2.430	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13405	9.759	ug/l #	73
57) 1,3-Dichloropropane	9.482	76	1237	0.771	ug/l #	42
59) 2-Hexanone	9.372	43	7079	6.034	ug/l #	28
74) N-amyl acetate	10.787	43	1166	0.576	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	37351	29.004	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37351	98.435	ug/l #	1

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

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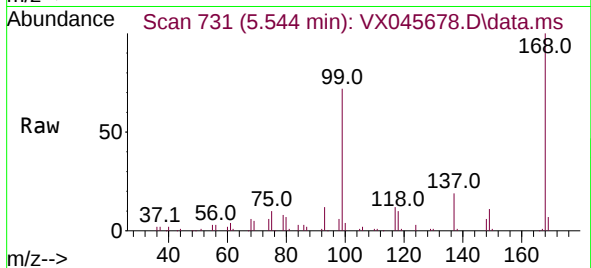
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045678.D
Acq: 09 Apr 2025 16:06

Instrument :

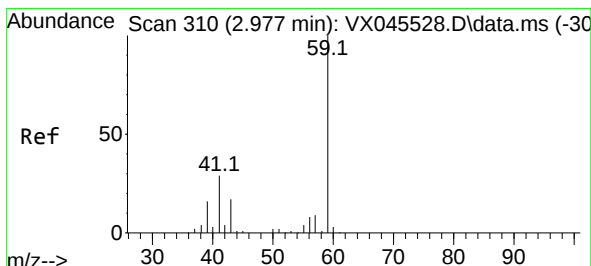
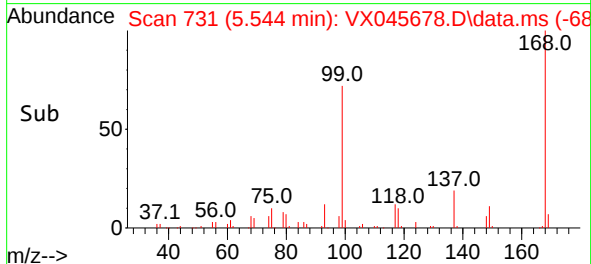
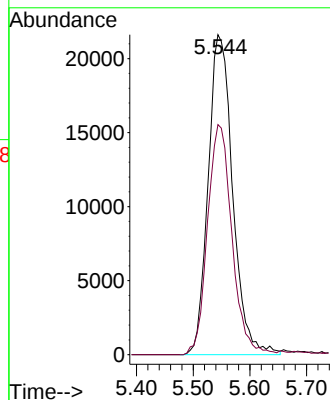
MSVOA_X

ClientSampleId :

B-149-SB01

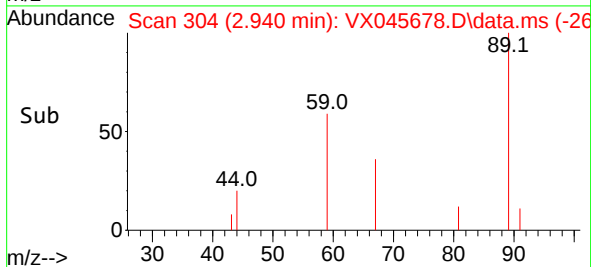
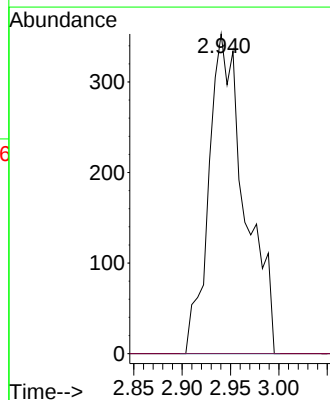
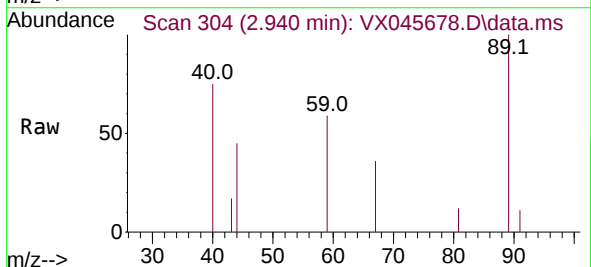


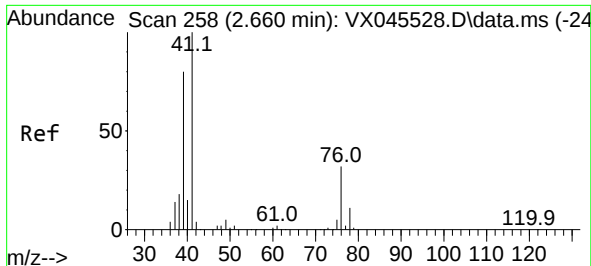
Tgt Ion:168 Resp: 64791
Ion Ratio Lower Upper
168 100
99 71.9 52.3 78.5



#11
Tert butyl alcohol
Concen: 5.765 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX045678.D
Acq: 09 Apr 2025 16:06

Tgt Ion: 59 Resp: 918
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

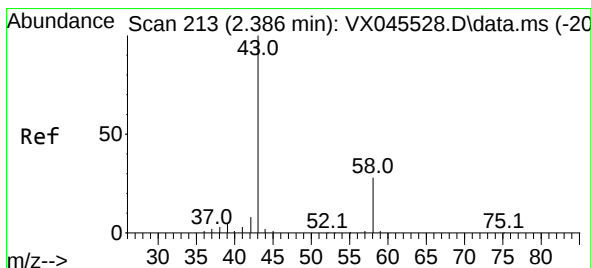
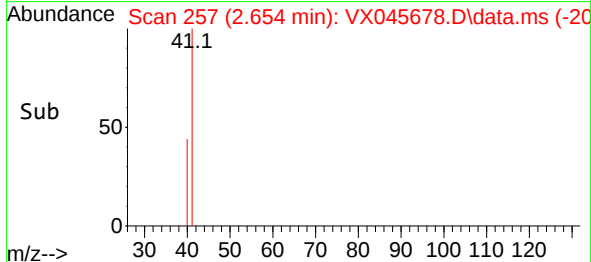
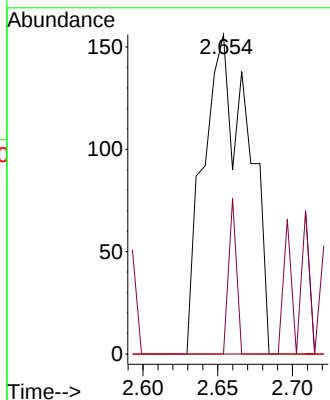
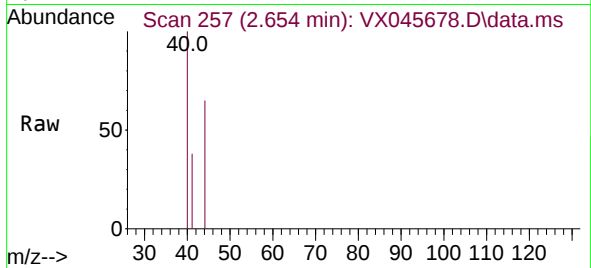




#14
 Allyl chloride
 Concen: 0.220 ug/l
 RT: 2.654 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VX045678.D
 Acq: 09 Apr 2025 16:06

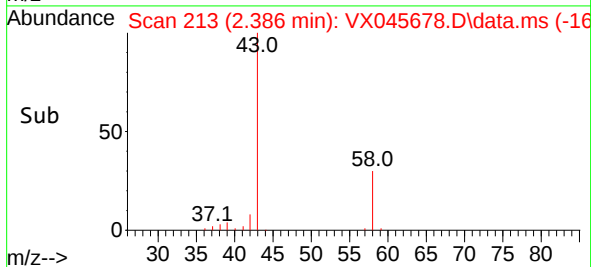
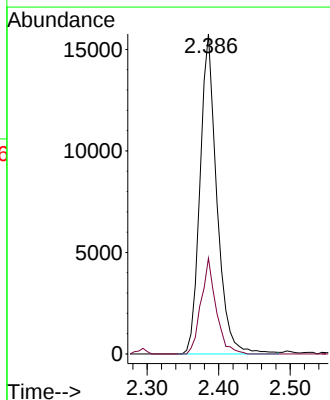
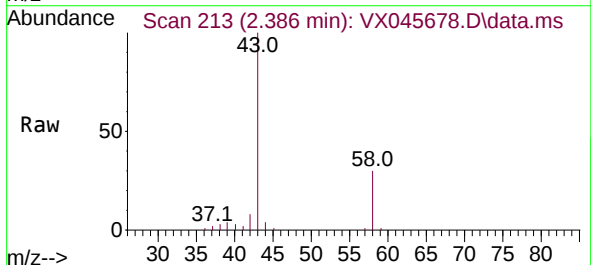
Instrument :
 MSVOA_X
 ClientSampleId :
 B-149-SB01

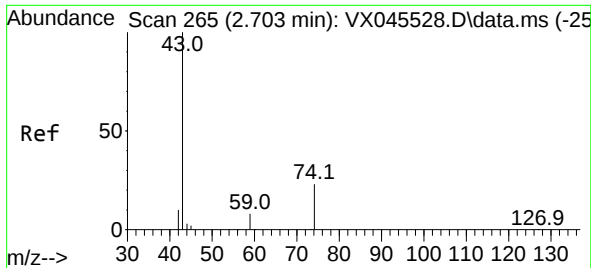
Tgt Ion: 41 Resp: 324
 Ion Ratio Lower Upper
 41 100
 39 0.0 60.2 90.2#
 76 0.0 24.6 36.8#



#16
 Acetone
 Concen: 53.046 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX045678.D
 Acq: 09 Apr 2025 16:06

Tgt Ion: 43 Resp: 25809
 Ion Ratio Lower Upper
 43 100
 58 29.9 22.3 33.5

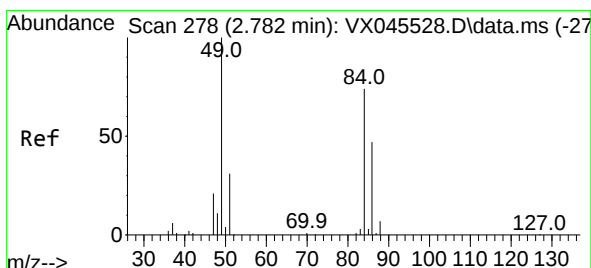
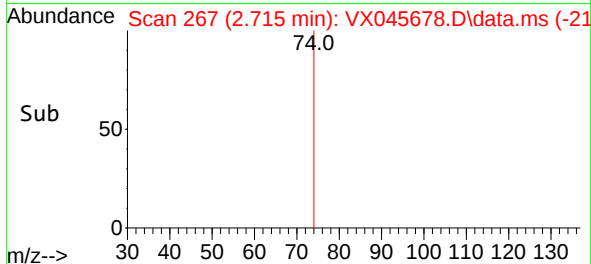
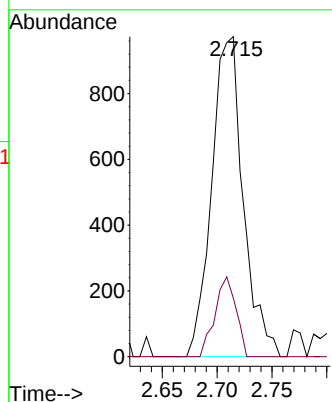
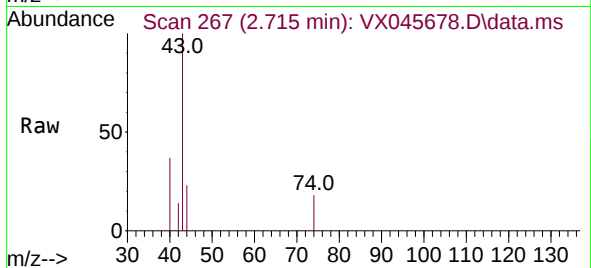




#18
Methyl Acetate
Concen: 1.741 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX045678.D
Acq: 09 Apr 2025 16:06

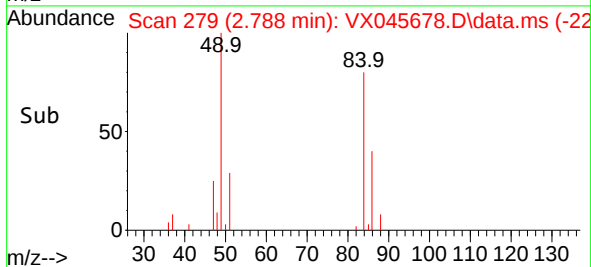
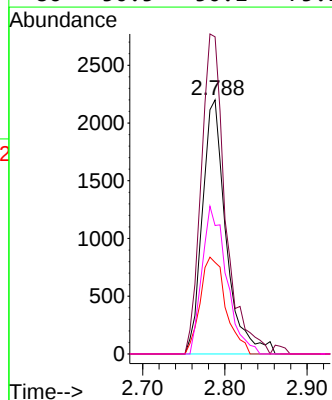
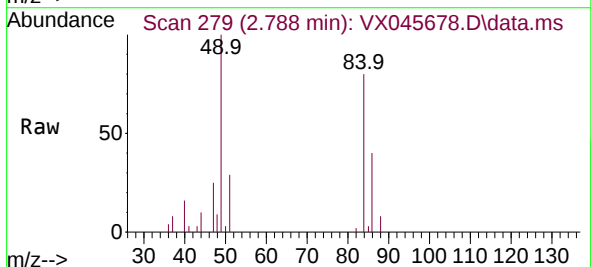
Instrument :
MSVOA_X
ClientSampleId :
B-149-SB01

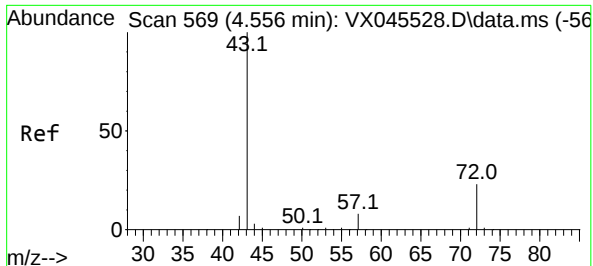
Tgt Ion: 43 Resp: 1950
Ion Ratio Lower Upper
43 100
74 16.7 17.5 26.3#



#20
Methylene Chloride
Concen: 4.838 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045678.D
Acq: 09 Apr 2025 16:06

Tgt Ion: 84 Resp: 4407
Ion Ratio Lower Upper
84 100
49 124.8 107.5 161.3
51 36.0 33.0 49.6
86 50.5 50.1 75.1





#25

2-Butanone

Concen: 5.006 ug/l

RT: 4.586 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX045678.D

Acq: 09 Apr 2025 16:06

Instrument :

MSVOA_X

ClientSampleId :

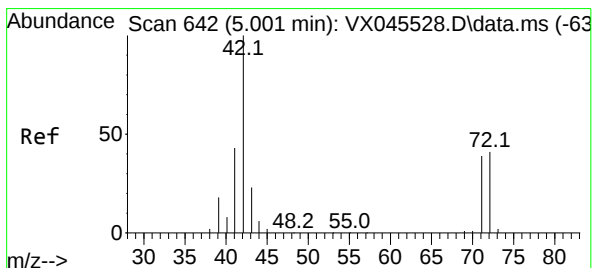
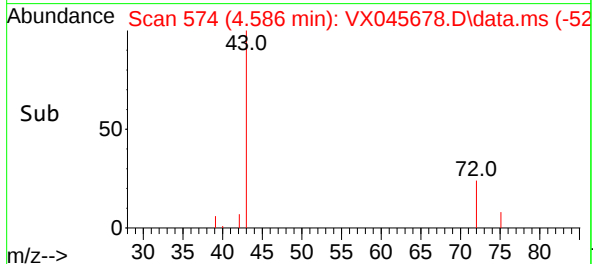
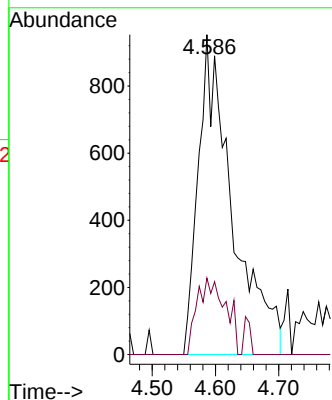
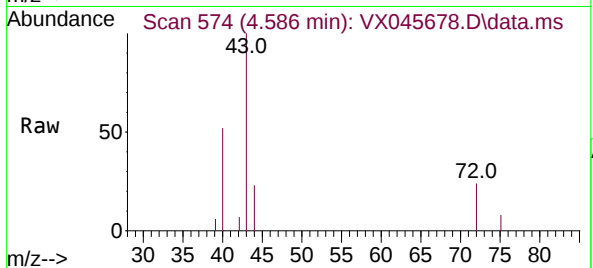
B-149-SB01

Tgt Ion: 43 Resp: 3565

Ion Ratio Lower Upper

43 100

72 23.9 18.6 28.0



#29

Tetrahydrofuran

Concen: 0.405 ug/l

RT: 5.056 min Scan# 651

Delta R.T. 0.055 min

Lab File: VX045678.D

Acq: 09 Apr 2025 16:06

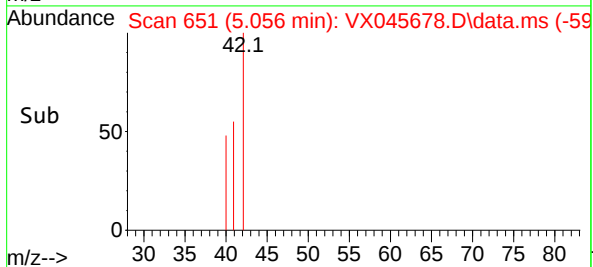
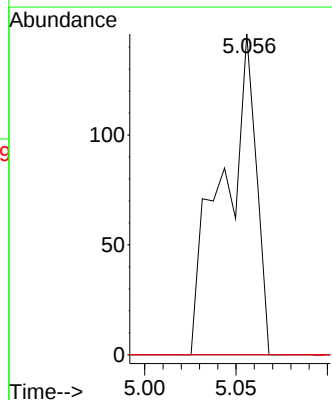
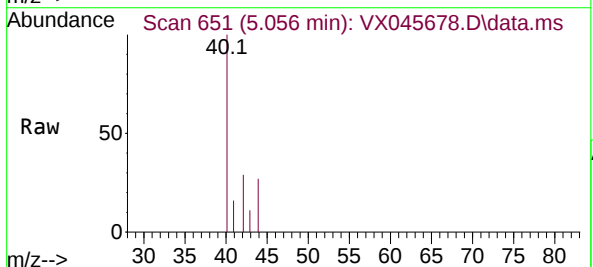
Tgt Ion: 42 Resp: 187

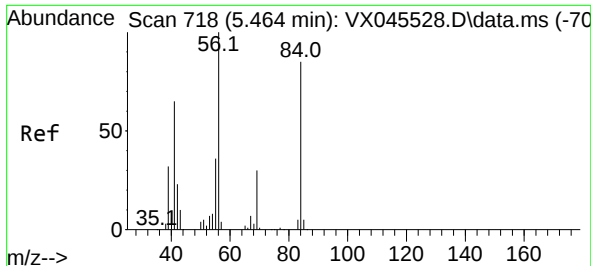
Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#

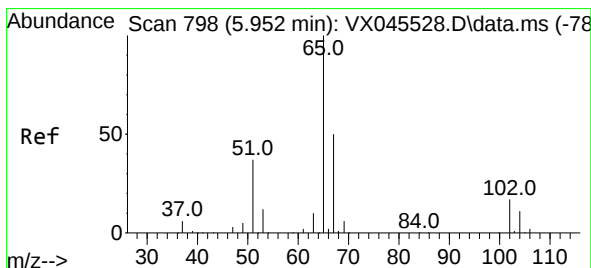
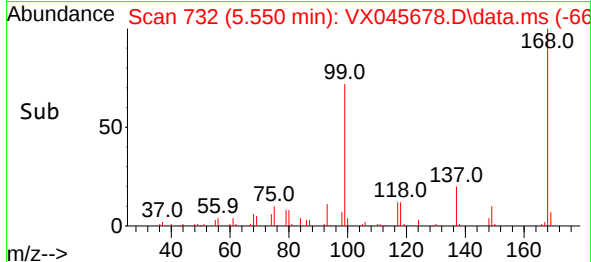
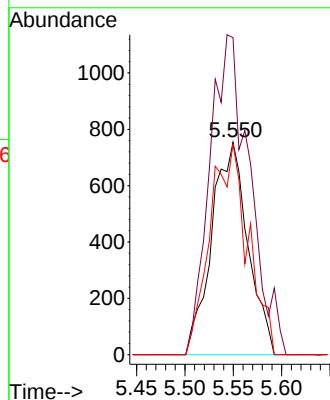
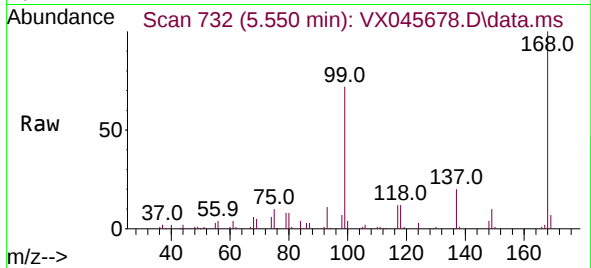




#31
Cyclohexane
Concen: 1.350 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045678.D
Acq: 09 Apr 2025 16:06

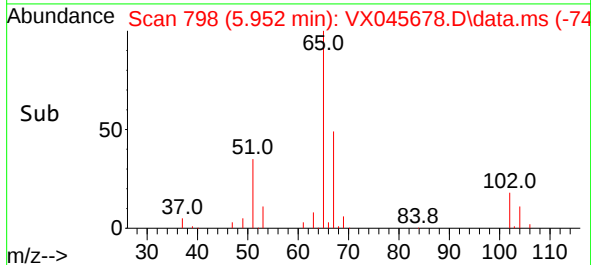
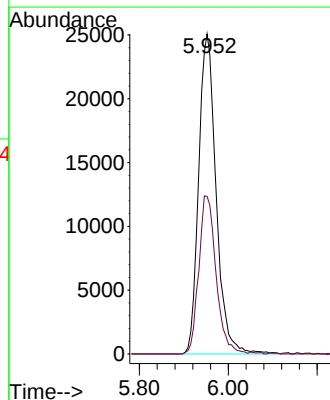
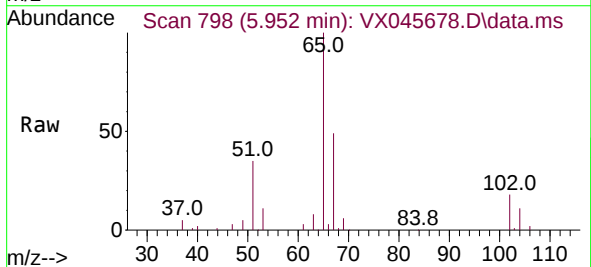
Instrument :
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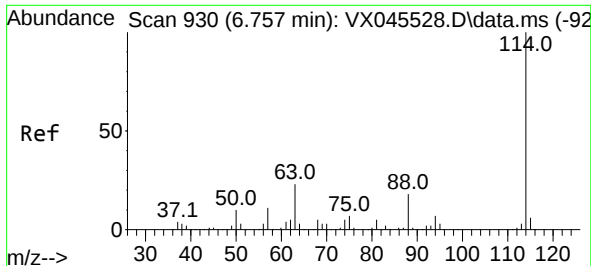
Tgt Ion: 56 Resp: 1962
Ion Ratio Lower Upper
56 100
69 149.3 23.6 35.4#
84 99.1 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 57.780 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045678.D
Acq: 09 Apr 2025 16:06

Tgt Ion: 65 Resp: 68461
Ion Ratio Lower Upper
65 100
67 49.0 0.0 99.0

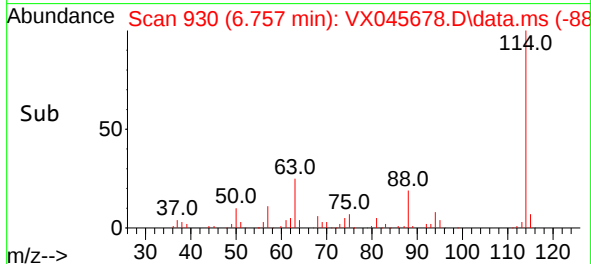
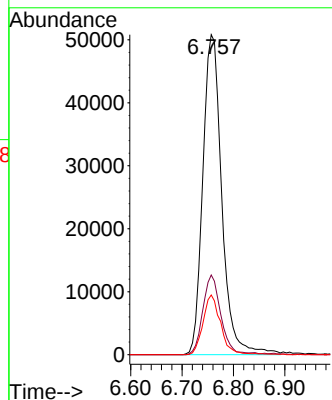
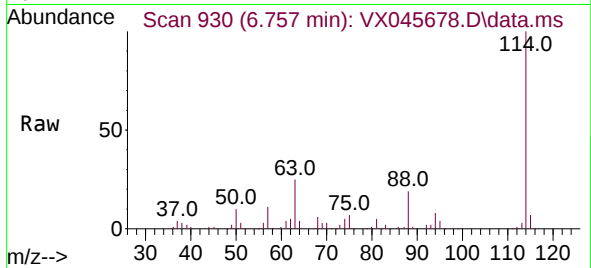




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045678.D
Acq: 09 Apr 2025 16:06

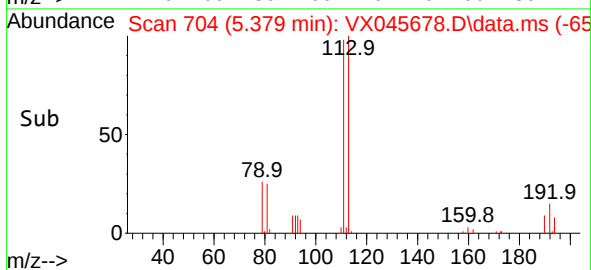
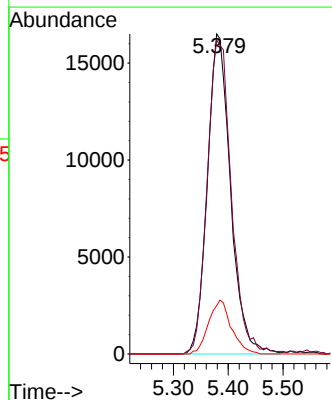
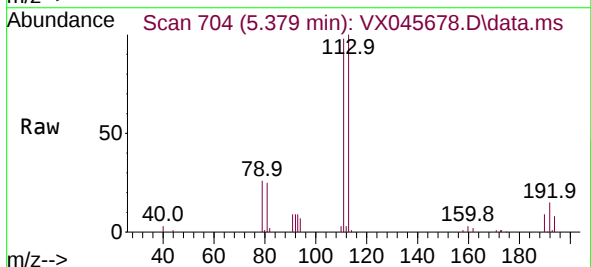
Instrument :
MSVOA_X
ClientSampleId :
B-149-SB01

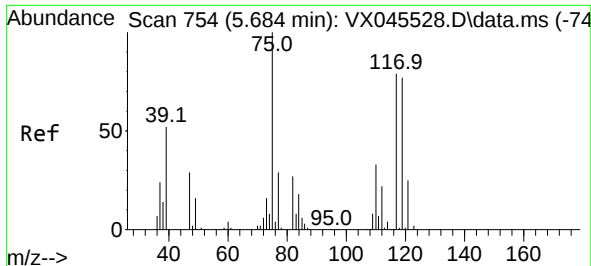
Tgt Ion:114 Resp: 130620
Ion Ratio Lower Upper
114 100
63 24.9 0.0 46.8
88 18.6 0.0 35.4



#35
Dibromofluoromethane
Concen: 52.260 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045678.D
Acq: 09 Apr 2025 16:06

Tgt Ion:113 Resp: 48432
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.6
192 16.5 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.275 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX045678.D

Acq: 09 Apr 2025 16:06

Instrument :

MSVOA_X

ClientSampleId :

B-149-SB01

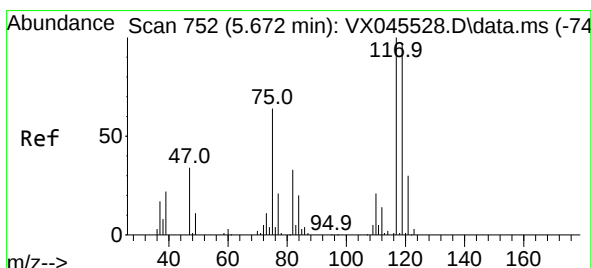
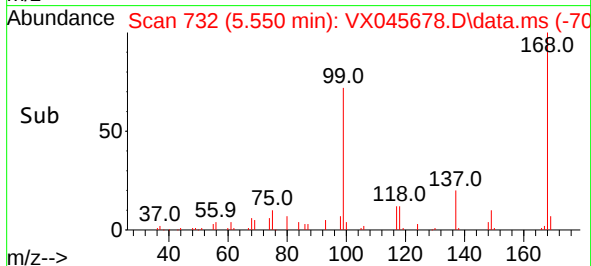
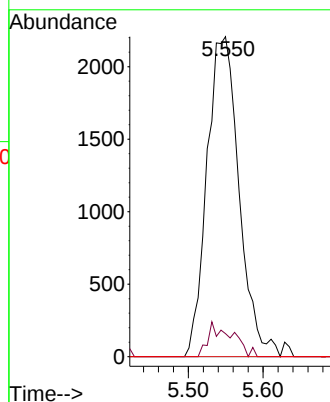
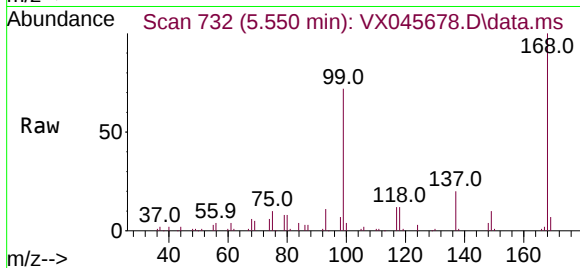
Tgt Ion: 75 Resp: 6601

Ion Ratio Lower Upper

75 100

110 8.0 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.666 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX045678.D

Acq: 09 Apr 2025 16:06

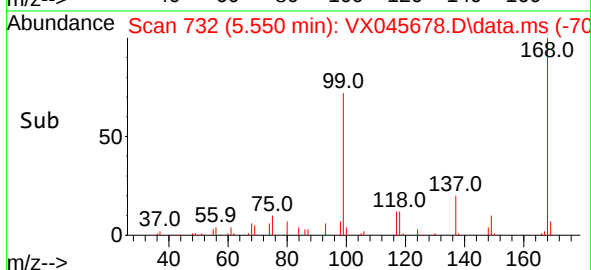
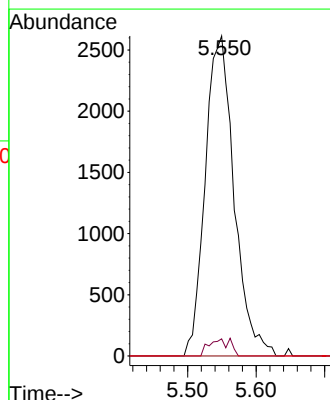
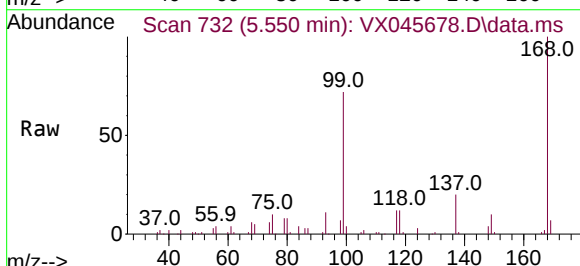
Tgt Ion: 117 Resp: 7663

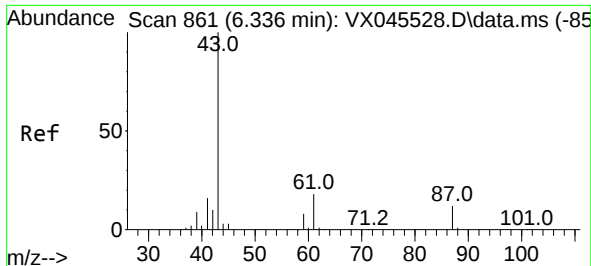
Ion Ratio Lower Upper

117 100

119 5.4 76.9 115.3#

121 0.0 24.2 36.2#

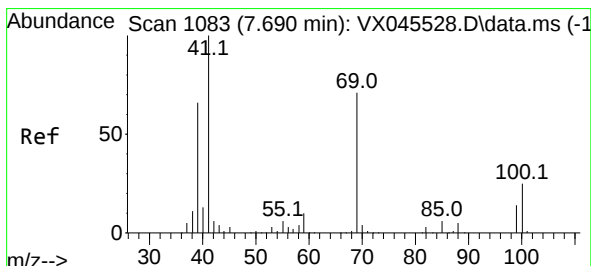
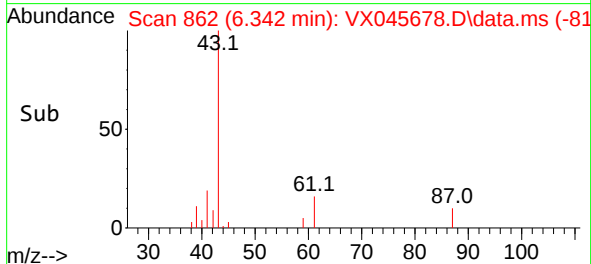
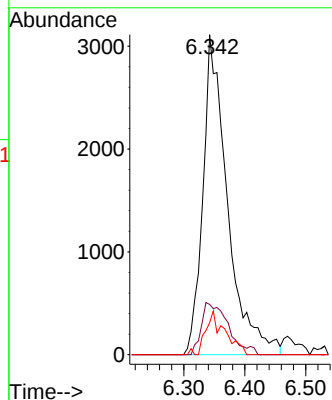
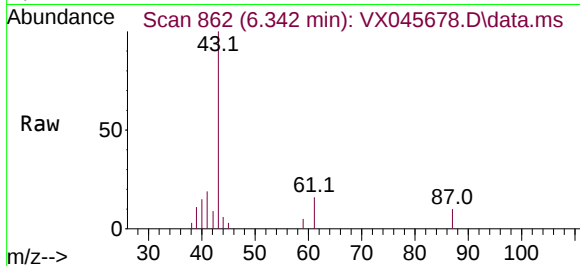




#43
Isopropyl Acetate
Concen: 3.656 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045678.D
Acq: 09 Apr 2025 16:06

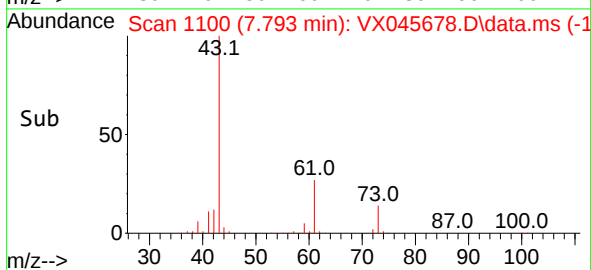
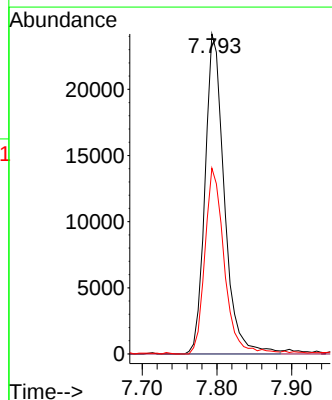
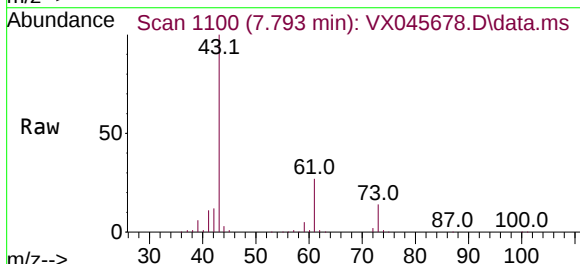
Instrument :
MSVOA_X
ClientSampleId :
B-149-SB01

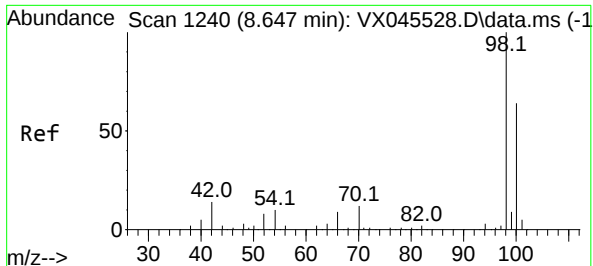
Tgt Ion: 43 Resp: 8737
Ion Ratio Lower Upper
43 100
61 17.8 14.1 21.1
87 10.8 9.2 13.8



#48
Methyl methacrylate
Concen: 35.110 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045678.D
Acq: 09 Apr 2025 16:06

Tgt Ion: 41 Resp: 43326
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.2 53.6 80.4

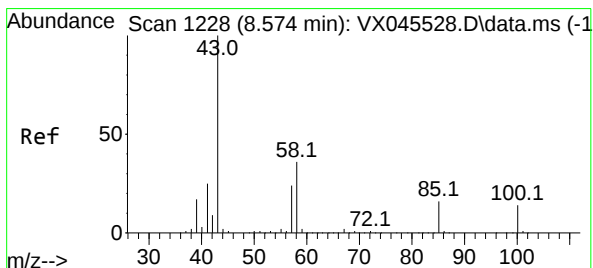
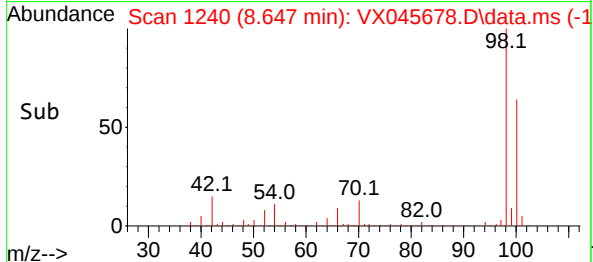
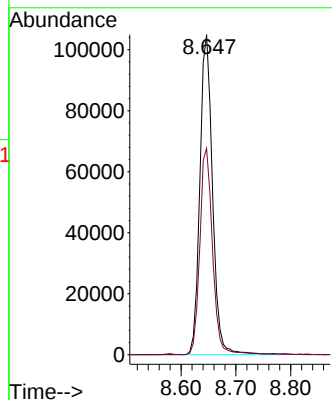
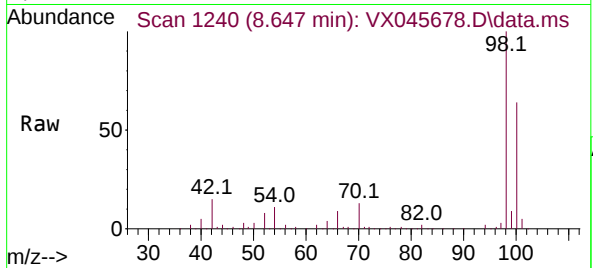




#50
Toluene-d8
Concen: 52.060 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045678.D
Acq: 09 Apr 2025 16:06

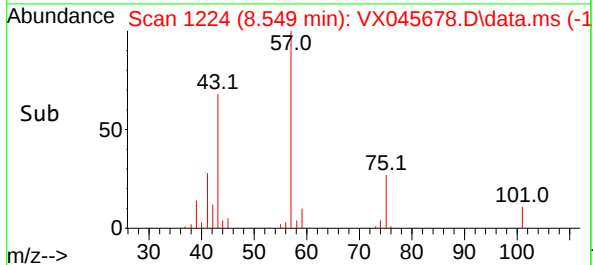
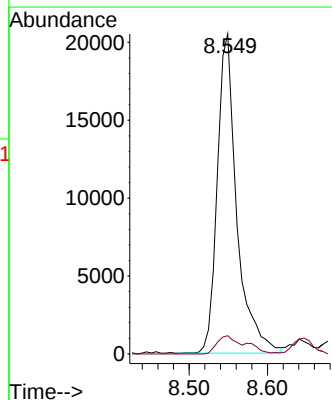
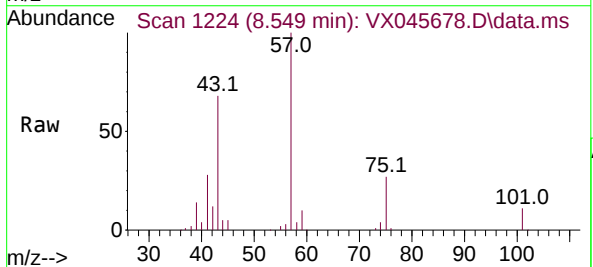
Instrument :
MSVOA_X
ClientSampleId :
B-149-SB01

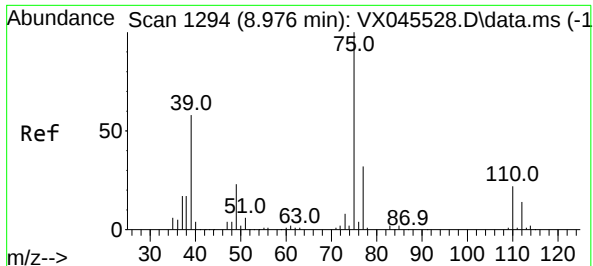
Tgt Ion: 98 Resp: 168400
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 22.410 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045678.D
Acq: 09 Apr 2025 16:06

Tgt Ion: 43 Resp: 35505
Ion Ratio Lower Upper
43 100
58 8.4 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.430 ug/l

RT: 8.951 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX045678.D

Acq: 09 Apr 2025 16:06

Instrument :

MSVOA_X

ClientSampleId :

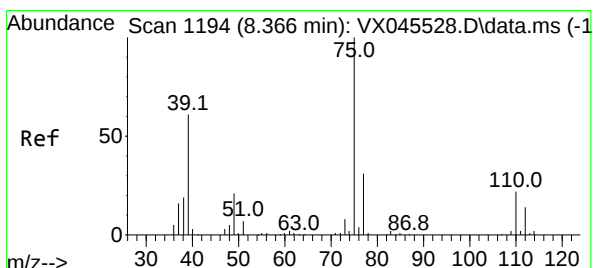
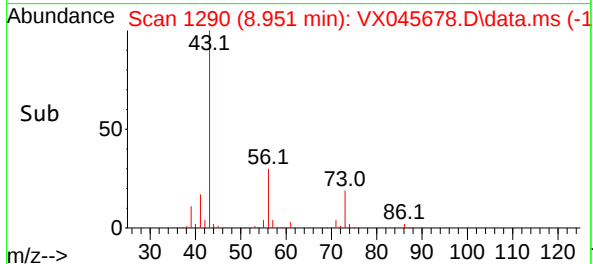
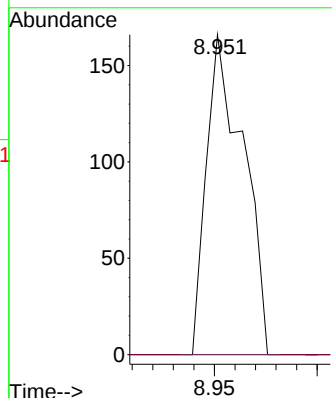
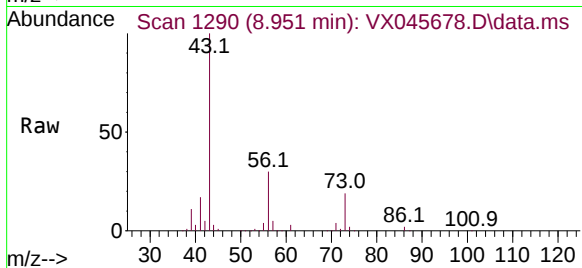
B-149-SB01

Tgt Ion: 75 Resp: 207

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 9.759 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045678.D

Acq: 09 Apr 2025 16:06

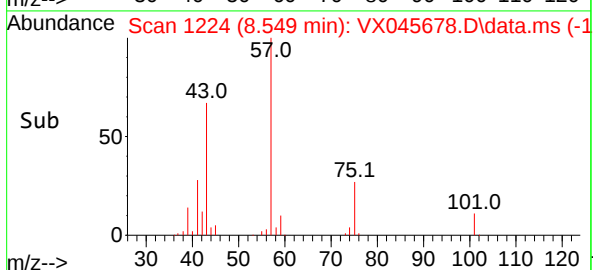
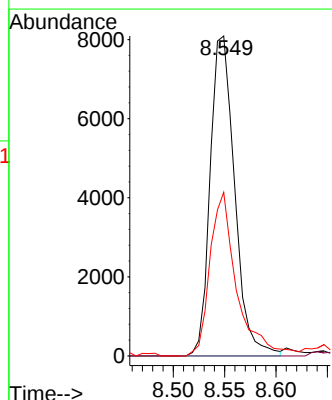
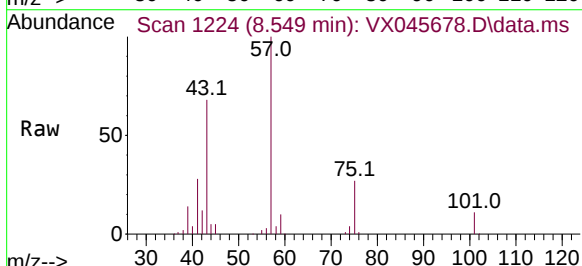
Tgt Ion: 75 Resp: 13405

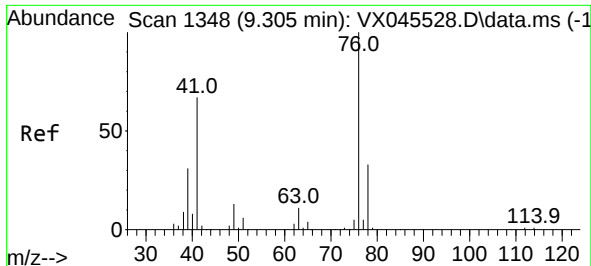
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 51.2 48.4 72.6





#57

1,3-Dichloropropane

Concen: 0.771 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX045678.D

Acq: 09 Apr 2025 16:06

Instrument :

MSVOA_X

ClientSampleId :

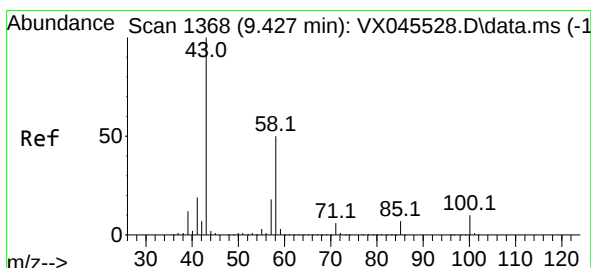
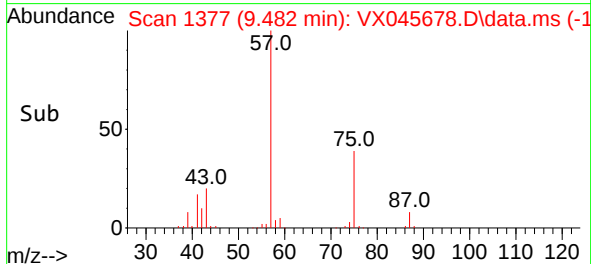
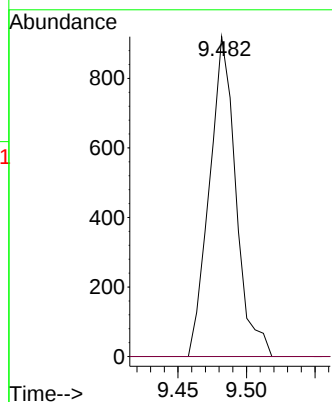
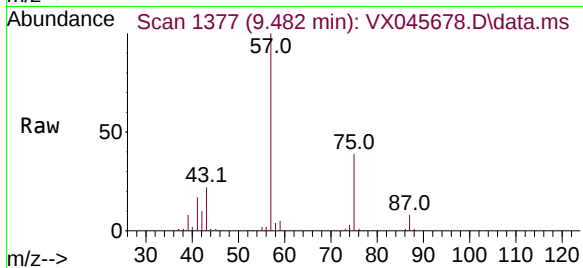
B-149-SB01

Tgt Ion: 76 Resp: 1237

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 6.034 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045678.D

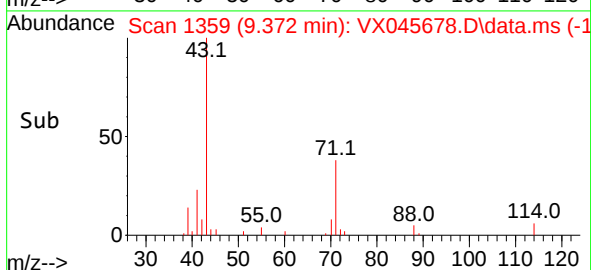
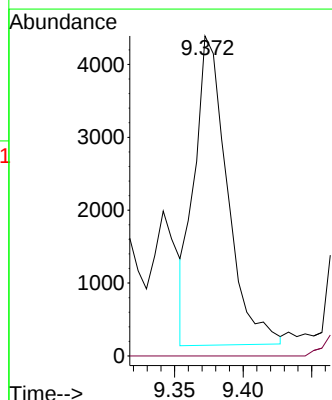
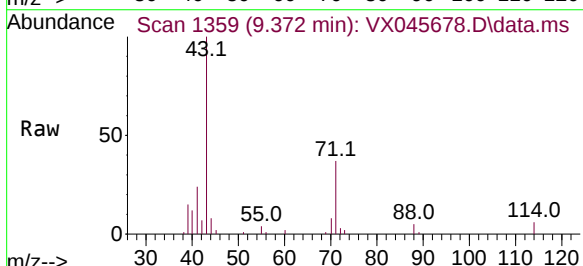
Acq: 09 Apr 2025 16:06

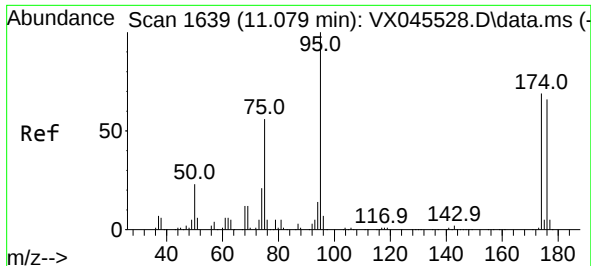
Tgt Ion: 43 Resp: 7079

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

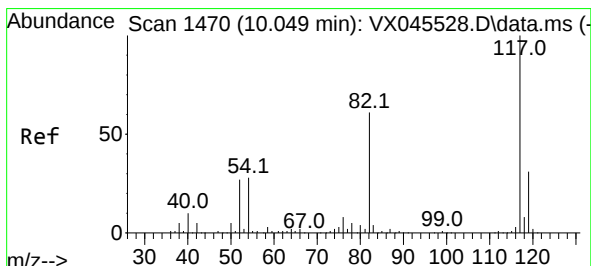
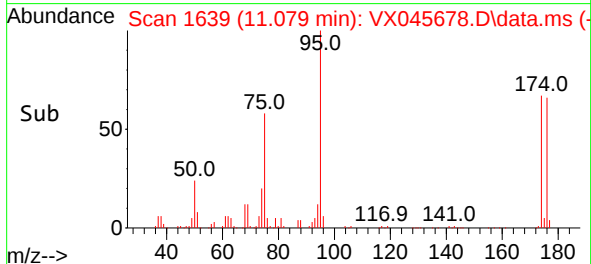
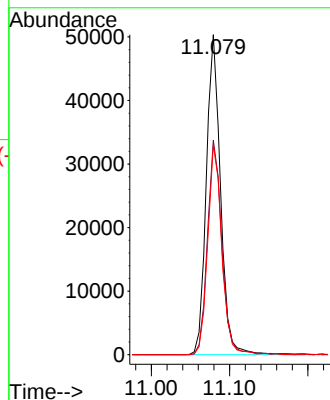
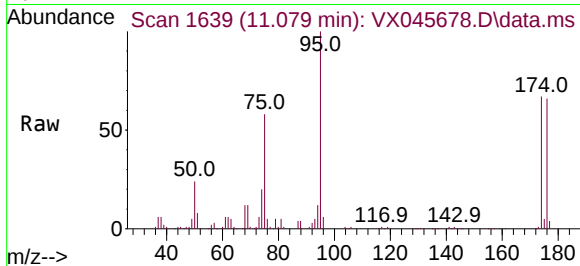




#62
4-Bromofluorobenzene
Concen: 53.580 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045678.D
Acq: 09 Apr 2025 16:06

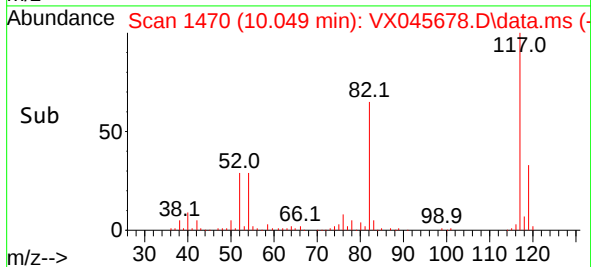
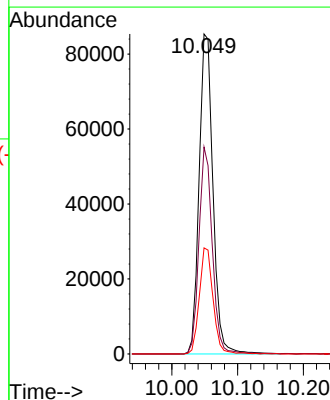
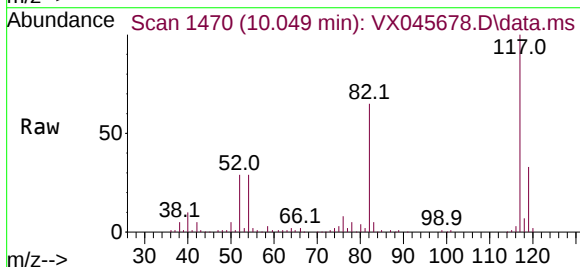
Instrument :
MSVOA_X
ClientSampleId :
B-149-SB01

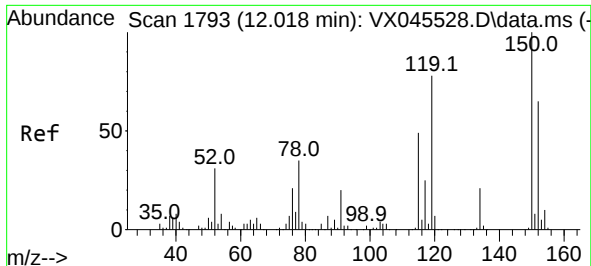
Tgt Ion: 95 Resp: 63131
Ion Ratio Lower Upper
95 100
174 68.1 0.0 135.8
176 64.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045678.D
Acq: 09 Apr 2025 16:06

Tgt Ion: 117 Resp: 124927
Ion Ratio Lower Upper
117 100
82 64.6 49.2 73.8
119 33.2 25.1 37.7

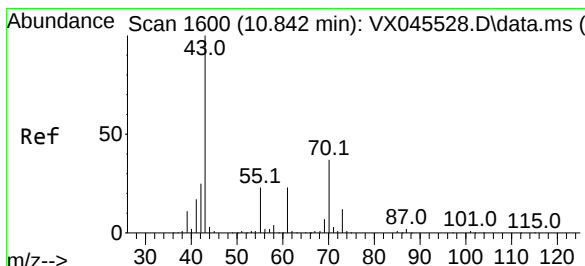
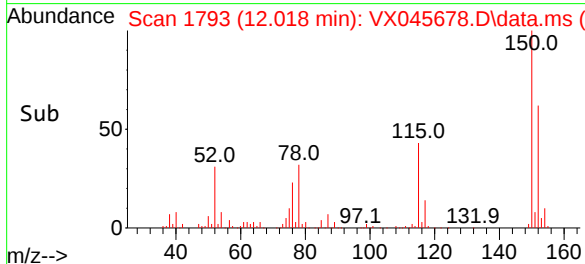
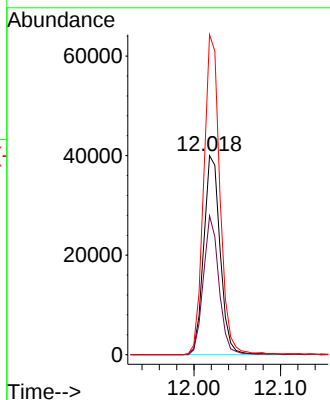
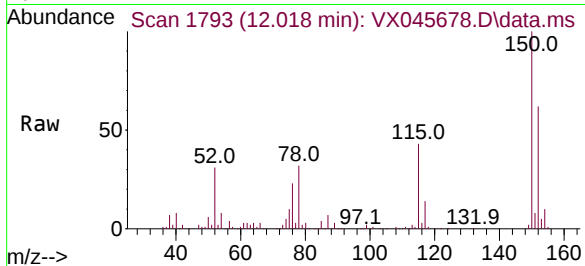




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX045678.D
 Acq: 09 Apr 2025 16:06

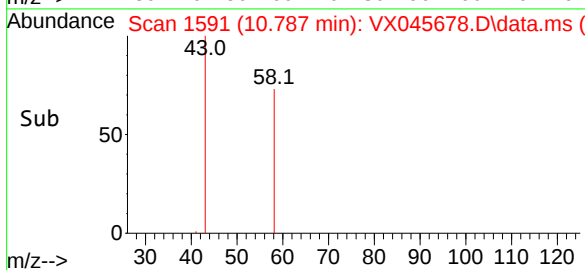
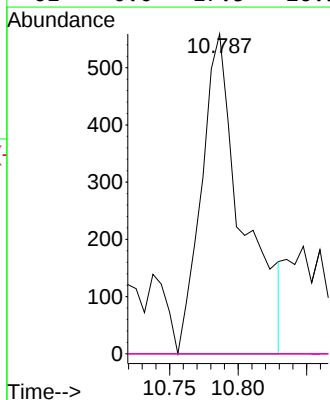
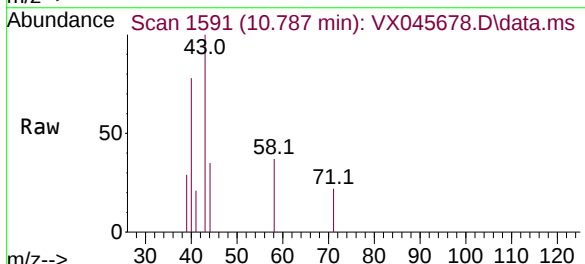
Instrument :
 MSVOA_X
 ClientSampleId :
 B-149-SB01

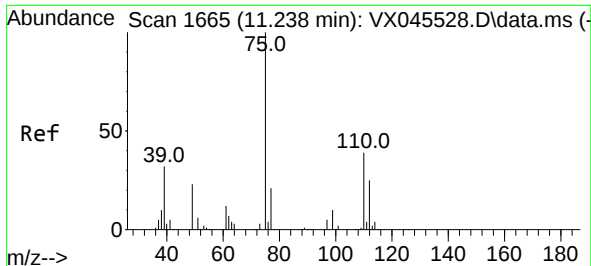
Tgt Ion:152 Resp: 52795
 Ion Ratio Lower Upper
 152 100
 115 66.1 46.9 140.7
 150 158.9 0.0 349.4



#74
 N-ethyl acetate
 Concen: 0.576 ug/l
 RT: 10.787 min Scan# 1591
 Delta R.T. -0.055 min
 Lab File: VX045678.D
 Acq: 09 Apr 2025 16:06

Tgt Ion: 43 Resp: 1166
 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#

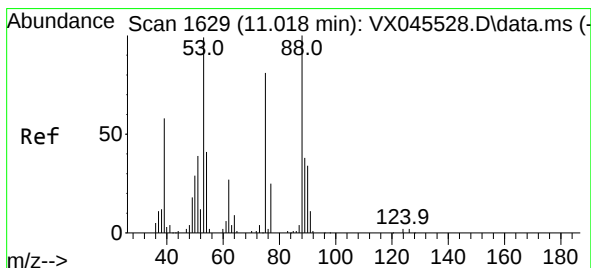
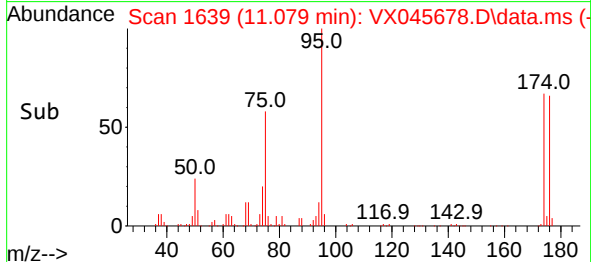
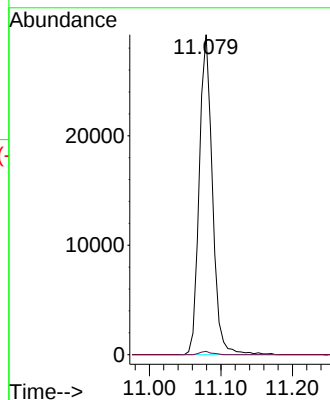
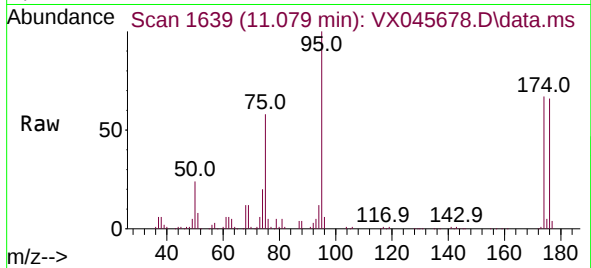




#76
1,2,3-Trichloropropane
Concen: 29.004 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045678.D
Acq: 09 Apr 2025 16:06

Instrument :
MSVOA_X
ClientSampleId :
B-149-SB01

Tgt Ion: 75 Resp: 37351
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.435 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045678.D
Acq: 09 Apr 2025 16:06

Tgt Ion: 75 Resp: 37351
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

