

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042825\
 Data File : VX045953.D
 Acq On : 28 Apr 2025 13:53
 Operator : JC/MD
 Sample : Q1874-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-236

Quant Time: Apr 29 01:33:55 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

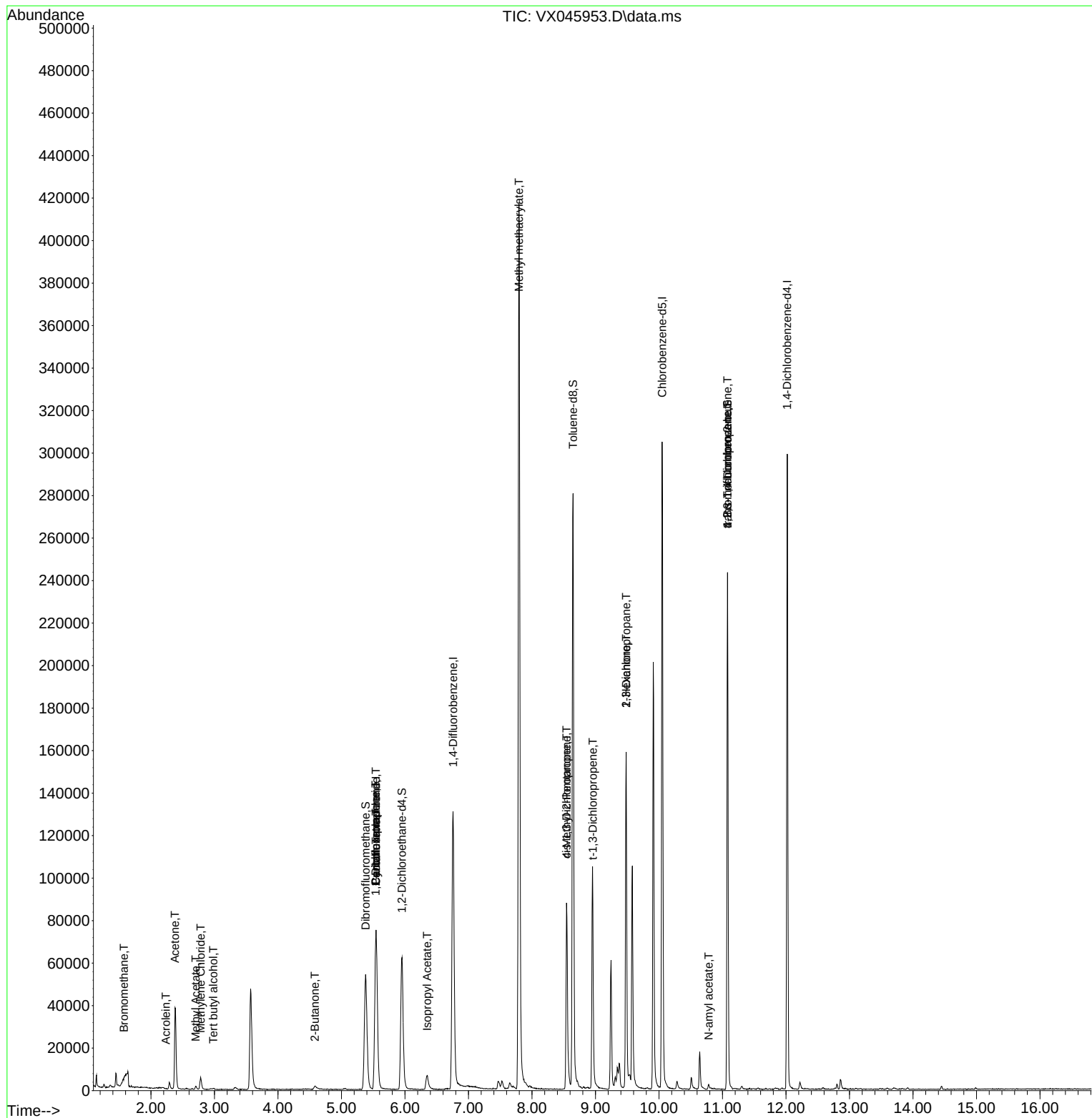
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

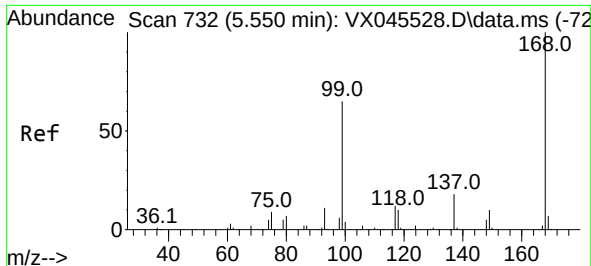
Internal Standards						
1) Pentafluorobenzene	5.544	168	65108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126648	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64672	54.316	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.640%	
35) Dibromofluoromethane	5.379	113	46844	52.132	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.260%	
50) Toluene-d8	8.647	98	162439	51.792	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.580%	
62) 4-Bromofluorobenzene	11.079	95	62989	55.137	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 110.280%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.575	94	122	0.281	ug/l #	3
11) Tert butyl alcohol	2.983	59	547	3.418	ug/l #	72
13) Acrolein	2.233	56	84	0.381	ug/l #	55
16) Acetone	2.380	43	43436	88.841	ug/l	94
18) Methyl Acetate	2.703	43	2154	1.914	ug/l #	84
20) Methylene Chloride	2.782	84	2480	2.709	ug/l	95
25) 2-Butanone	4.581	43	3739	5.224	ug/l	99
31) Cyclohexane	5.544	56	1777	1.217	ug/l #	29
36) 1,1-Dichloropropene	5.538	75	6230	5.135	ug/l #	50
38) Carbon Tetrachloride	5.544	117	7419	5.658	ug/l #	14
43) Isopropyl Acetate	6.349	43	10035	4.330	ug/l	99
48) Methyl methacrylate	7.793	41	41532	34.712	ug/l #	51
51) 4-Methyl-2-Pentanone	8.543	43	35439	23.069	ug/l #	49
53) t-1,3-Dichloropropene	8.958	75	213	2.438	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	13175	9.892	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	1382	0.888	ug/l #	42
59) 2-Hexanone	9.482	43	22287	19.591	ug/l #	54
74) N-amyl acetate	10.781	43	1594	0.779	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	36463	28.008	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36463	95.056	ug/l #	1

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

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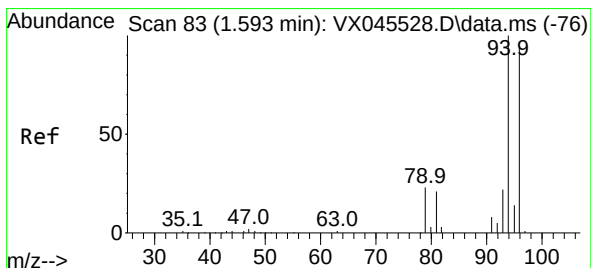
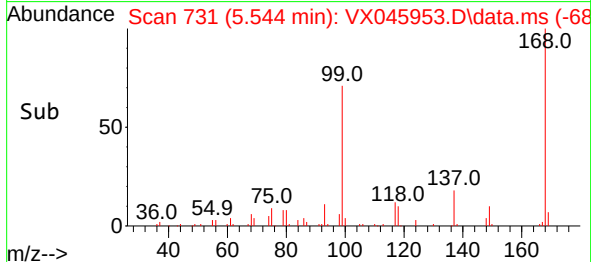
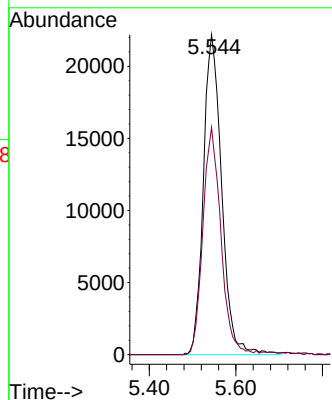
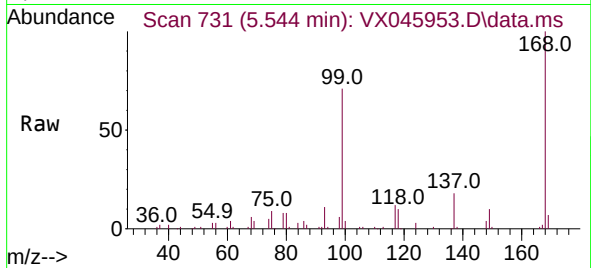




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045953.D
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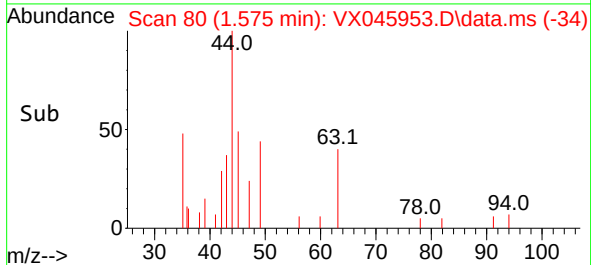
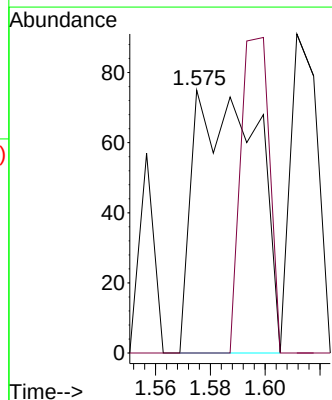
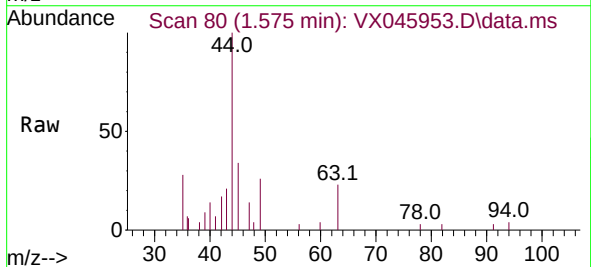
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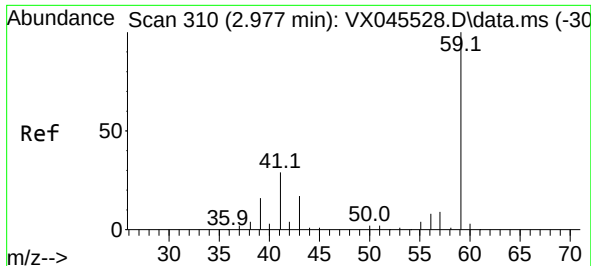
Tgt Ion:168 Resp: 65108
Ion Ratio Lower Upper
168 100
99 71.1 52.3 78.5



#5
Bromomethane
Concen: 0.281 ug/l
RT: 1.575 min Scan# 80
Delta R.T. -0.018 min
Lab File: VX045953.D
Acq: 28 Apr 2025 13:53

Tgt Ion: 94 Resp: 122
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#

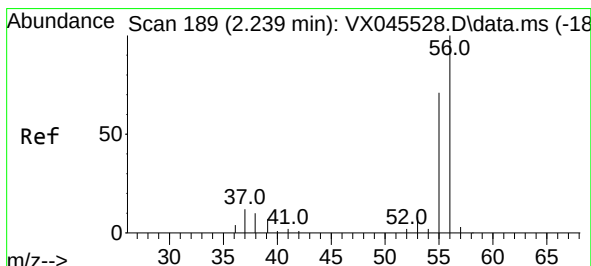
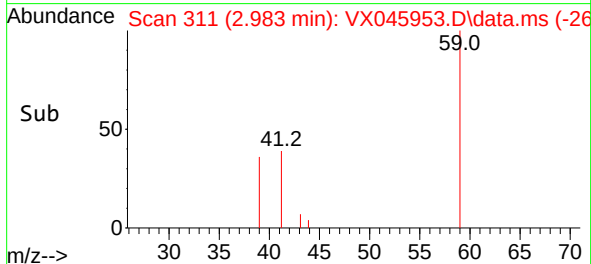
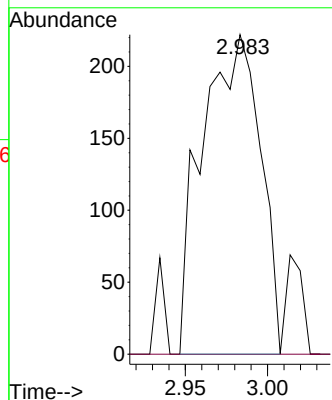
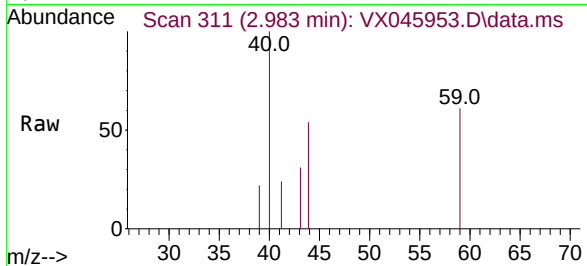




#11
Tert butyl alcohol
Concen: 3.418 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX045953.D
Acq: 28 Apr 2025 13:53

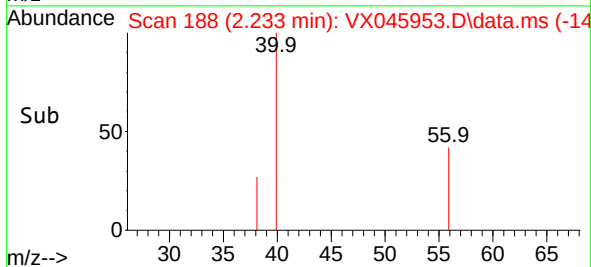
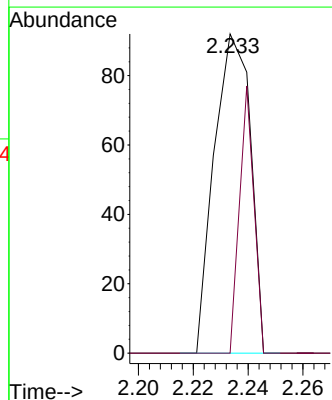
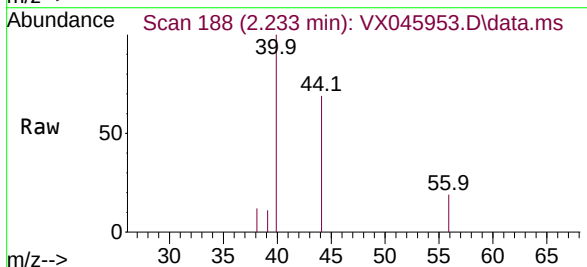
Instrument :
MSVOA_X
ClientSampleId :
VNJ-236

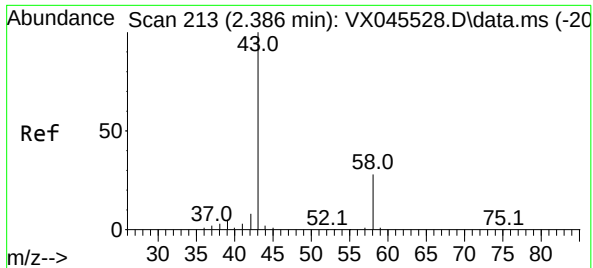
Tgt Ion: 59 Resp: 547
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.381 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX045953.D
Acq: 28 Apr 2025 13:53

Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 33.3 56.2 84.2#

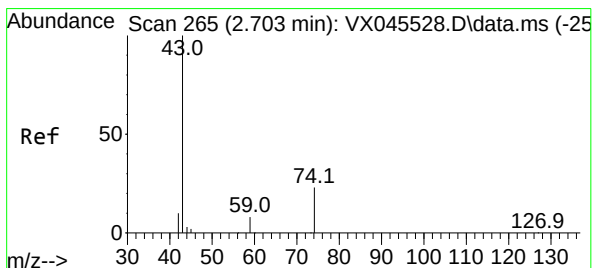
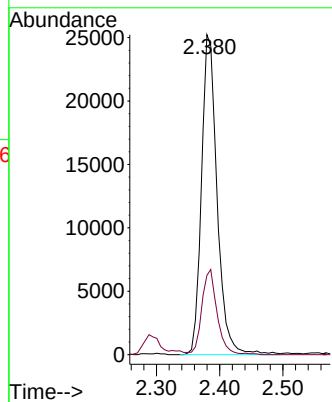
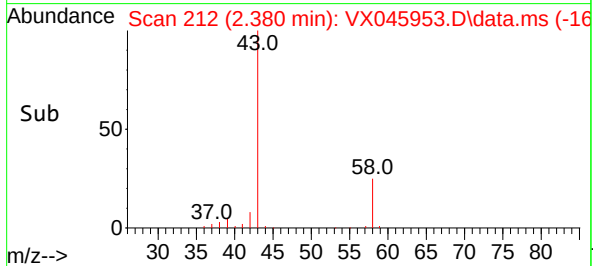
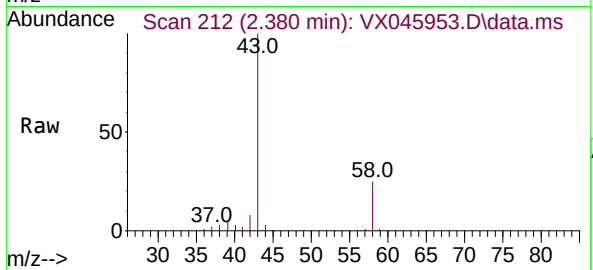




#16
Acetone
Concen: 88.841 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045953.D
Acq: 28 Apr 2025 13:53

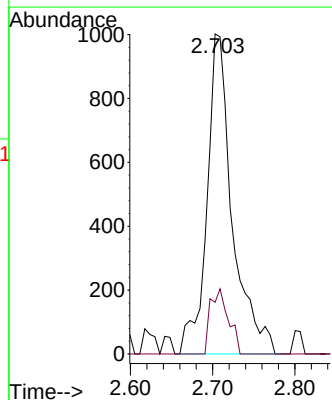
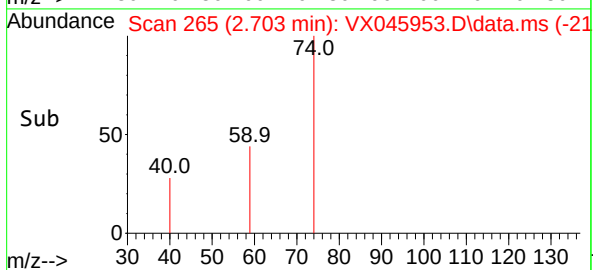
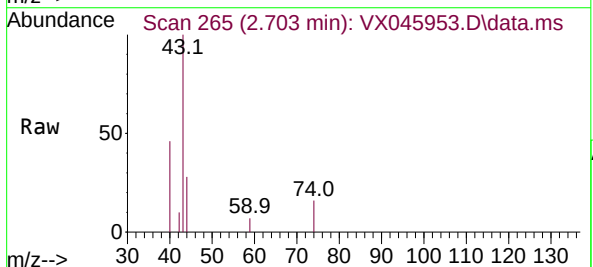
Instrument :
MSVOA_X
ClientSampleId :
VNJ-236

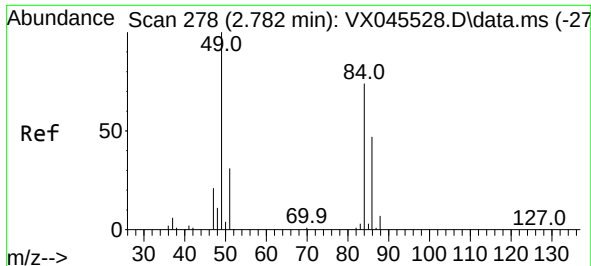
Tgt Ion: 43 Resp: 43436
Ion Ratio Lower Upper
43 100
58 24.8 22.3 33.5



#18
Methyl Acetate
Concen: 1.914 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045953.D
Acq: 28 Apr 2025 13:53

Tgt Ion: 43 Resp: 2154
Ion Ratio Lower Upper
43 100
74 14.5 17.5 26.3#

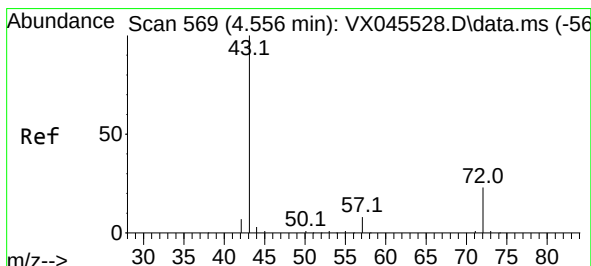
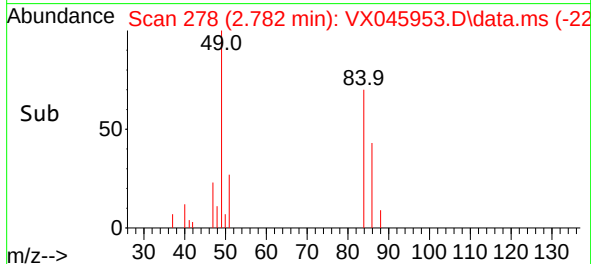
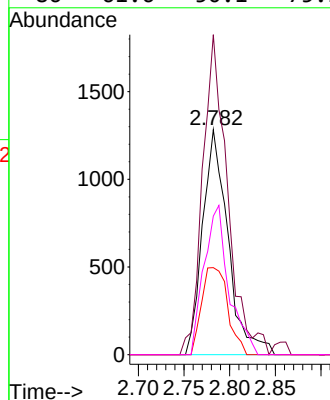
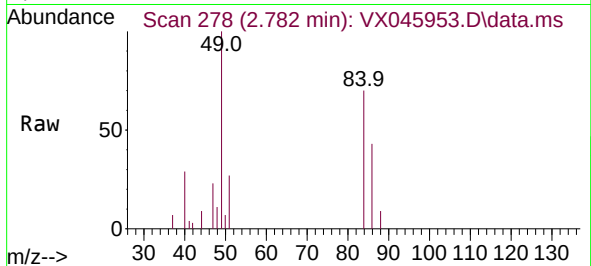




#20
Methylene Chloride
Concen: 2.709 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045953.D
Acq: 28 Apr 2025 13:53

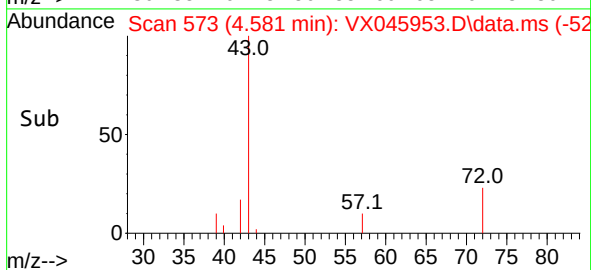
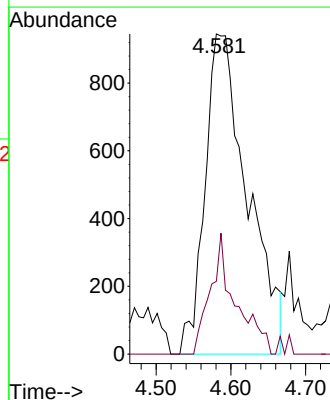
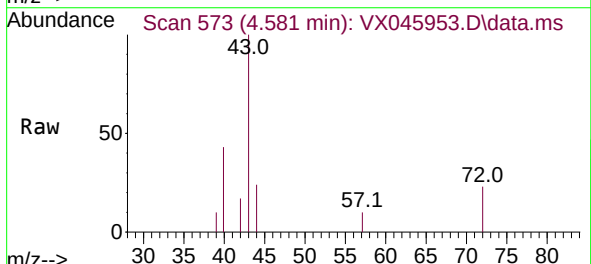
Instrument :
MSVOA_X
ClientSampleId :
VNJ-236

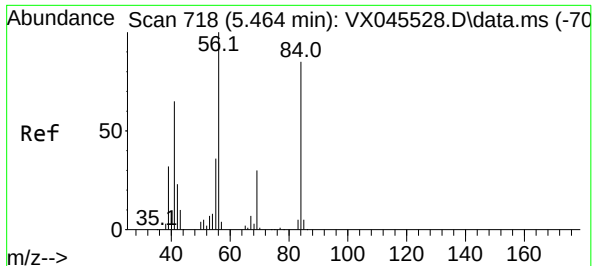
Tgt Ion:	84	Resp:	2480
Ion	Ratio	Lower	Upper
84	100		
49	142.2	107.5	161.3
51	38.7	33.0	49.6
86	61.6	50.1	75.1



#25
2-Butanone
Concen: 5.224 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX045953.D
Acq: 28 Apr 2025 13:53

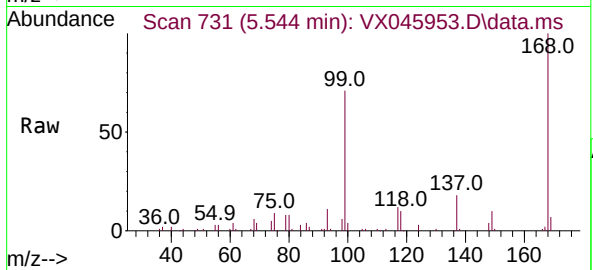
Tgt Ion:	43	Resp:	3739
Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.6	28.0



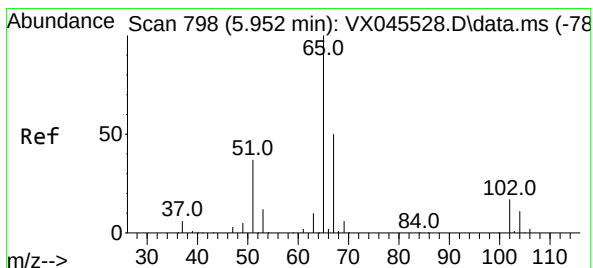
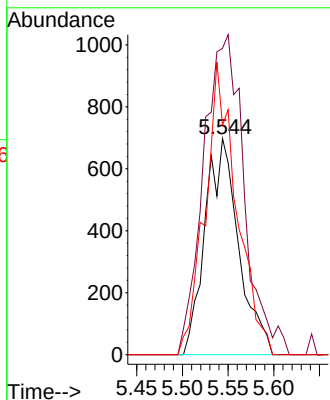
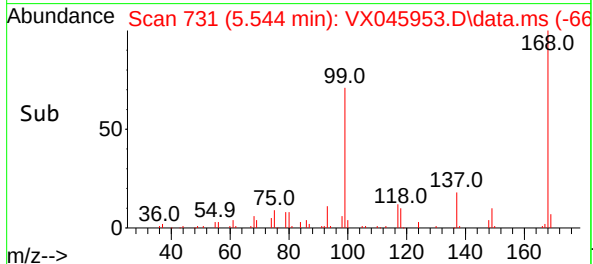


#31
Cyclohexane
Concen: 1.217 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045953.D
Acq: 28 Apr 2025 13:53

Instrument :
MSVOA_X
ClientSampleId :
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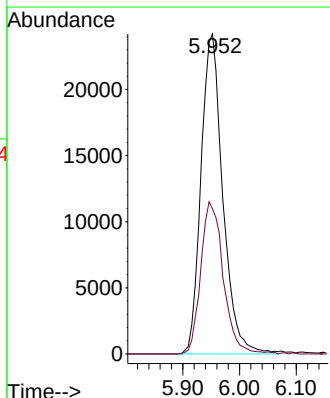
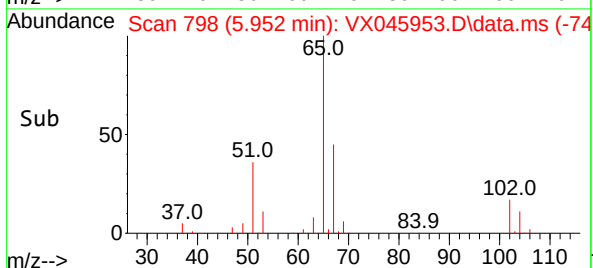
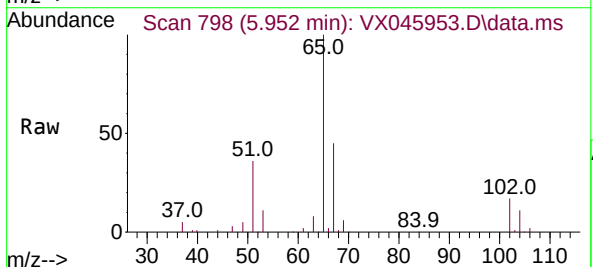


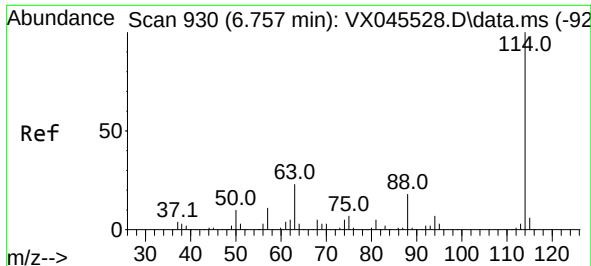
Tgt Ion: 56 Resp: 1777
Ion Ratio Lower Upper
56 100
69 141.7 23.6 35.4#
84 106.2 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 54.316 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045953.D
Acq: 28 Apr 2025 13:53

Tgt Ion: 65 Resp: 64672
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.0

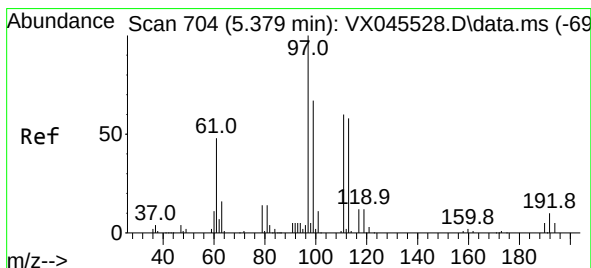
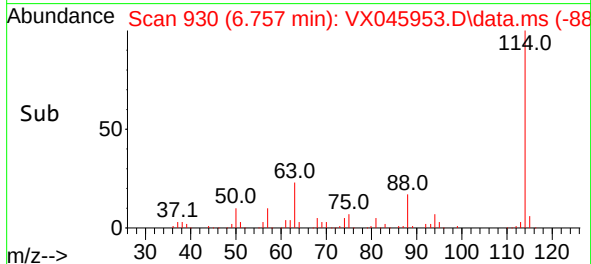
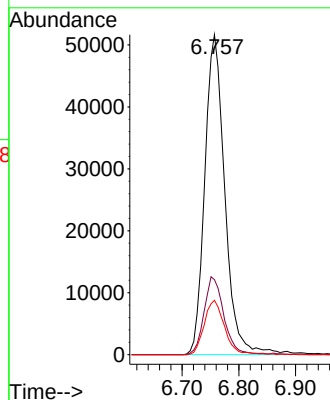
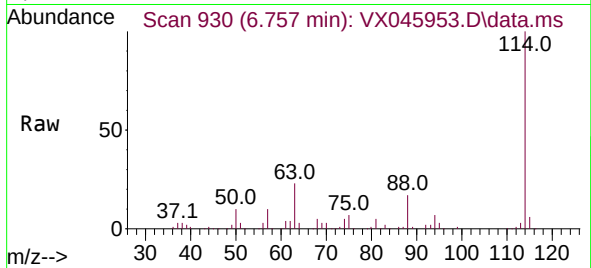




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045953.D
Acq: 28 Apr 2025 13:53

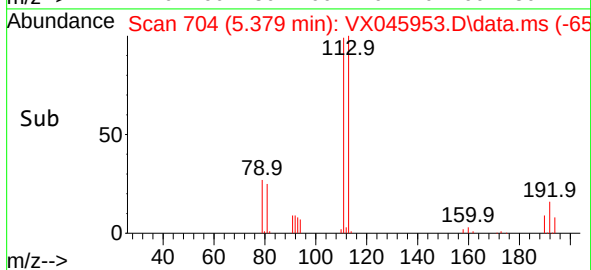
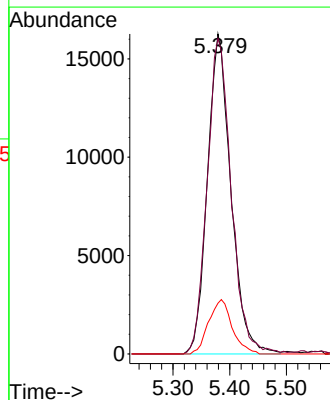
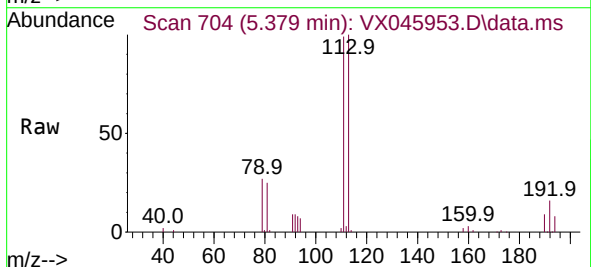
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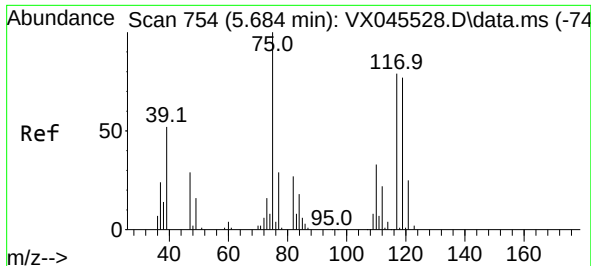
Tgt Ion:114 Resp: 126648
Ion Ratio Lower Upper
114 100
63 23.5 0.0 46.8
88 17.0 0.0 35.4



#35
Dibromofluoromethane
Concen: 52.132 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045953.D
Acq: 28 Apr 2025 13:53

Tgt Ion:113 Resp: 46844
Ion Ratio Lower Upper
113 100
111 101.4 81.8 122.6
192 17.0 13.8 20.6

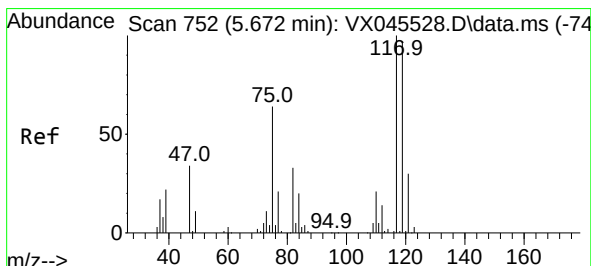
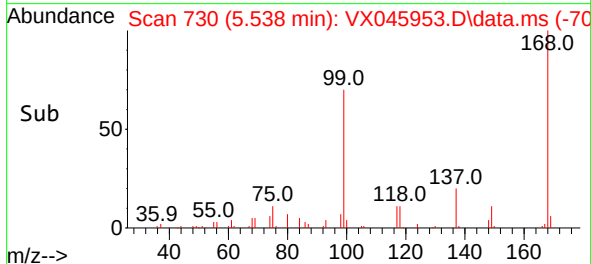
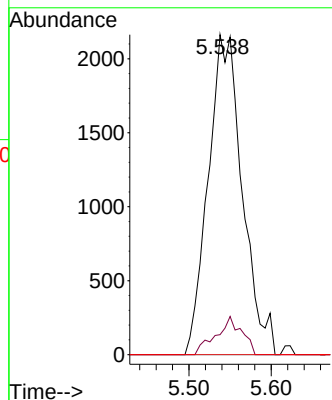
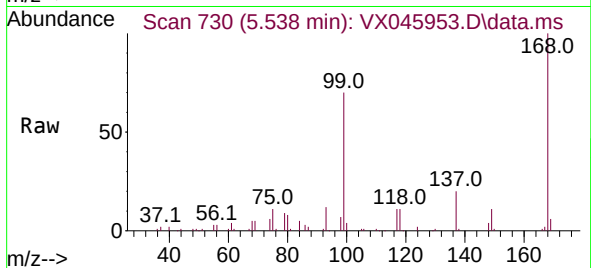




#36
1,1-Dichloropropene
Concen: 5.135 ug/l
RT: 5.538 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX045953.D
Acq: 28 Apr 2025 13:53

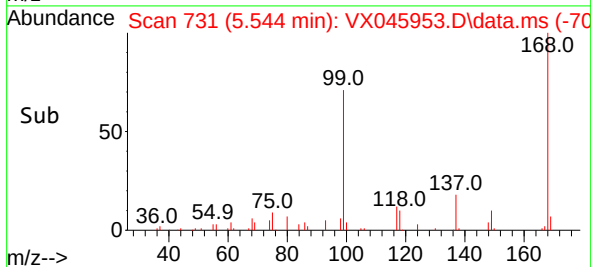
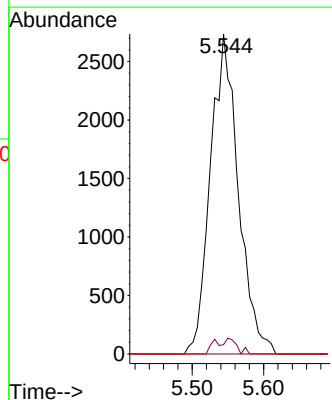
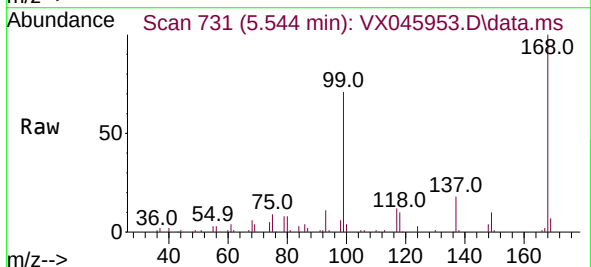
Instrument :
MSVOA_X
ClientSampleId :
VNJ-236

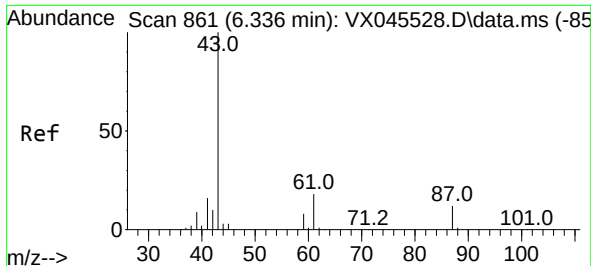
Tgt Ion: 75 Resp: 6230
Ion Ratio Lower Upper
75 100
110 9.0 16.9 50.6#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.658 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045953.D
Acq: 28 Apr 2025 13:53

Tgt Ion: 117 Resp: 7419
Ion Ratio Lower Upper
117 100
119 2.9 76.9 115.3#
121 0.0 24.2 36.2#

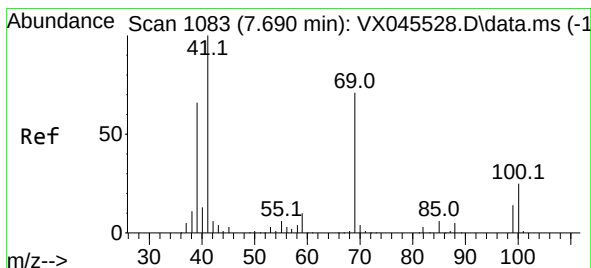
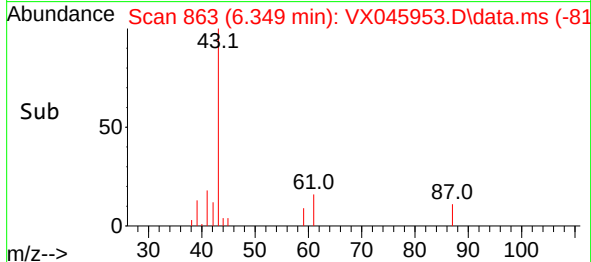
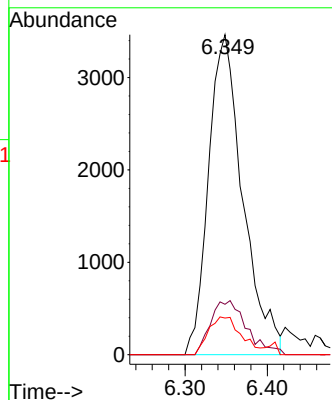
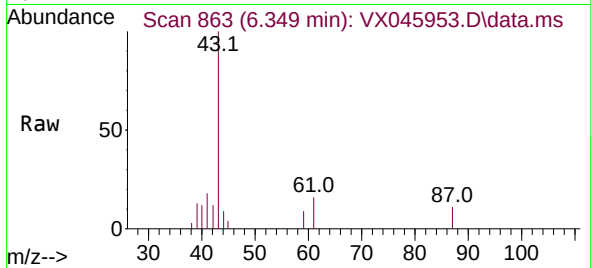




#43
Isopropyl Acetate
Concen: 4.330 ug/l
RT: 6.349 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX045953.D
Acq: 28 Apr 2025 13:53

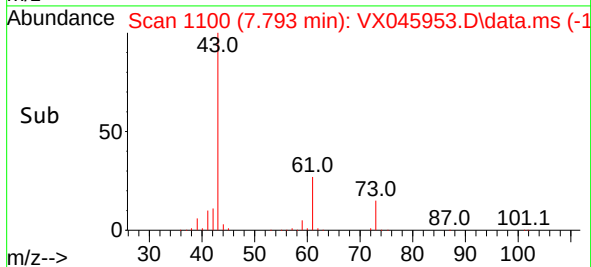
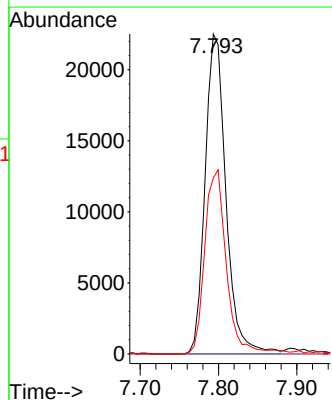
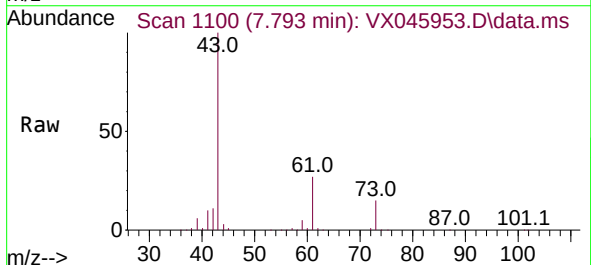
Instrument :
MSVOA_X
ClientSampleId :
VNJ-236

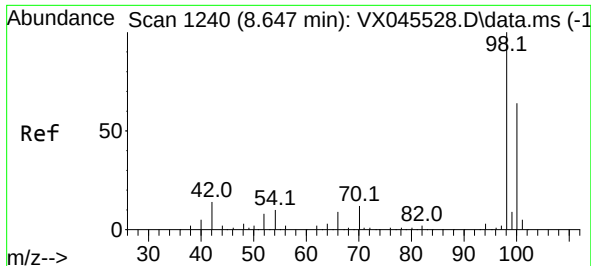
Tgt Ion: 43 Resp: 10035
Ion Ratio Lower Upper
43 100
61 17.8 14.1 21.1
87 11.2 9.2 13.8



#48
Methyl methacrylate
Concen: 34.712 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045953.D
Acq: 28 Apr 2025 13:53

Tgt Ion: 41 Resp: 41532
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.9 53.6 80.4

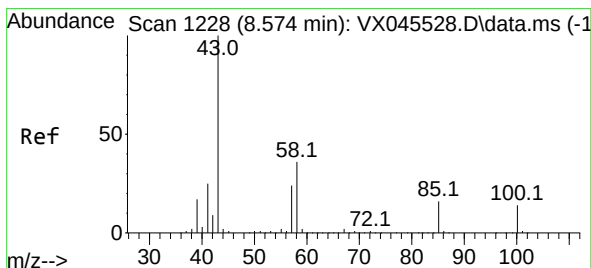
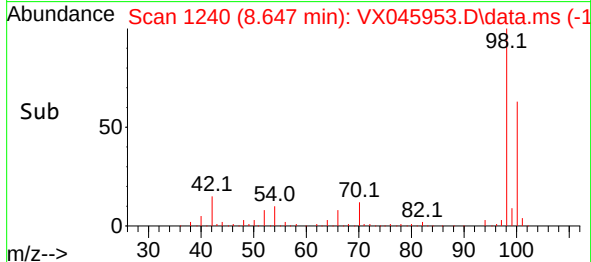
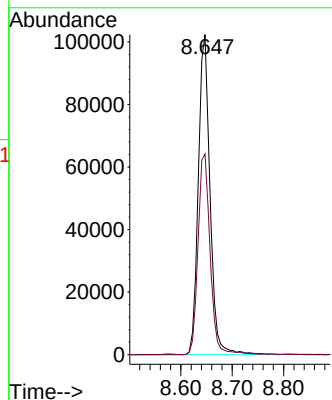
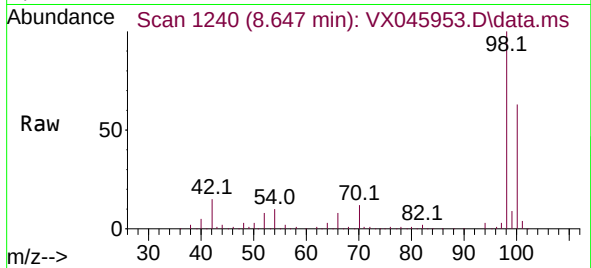




#50
Toluene-d8
Concen: 51.792 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045953.D
Acq: 28 Apr 2025 13:53

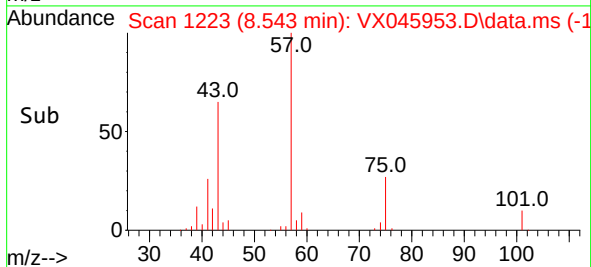
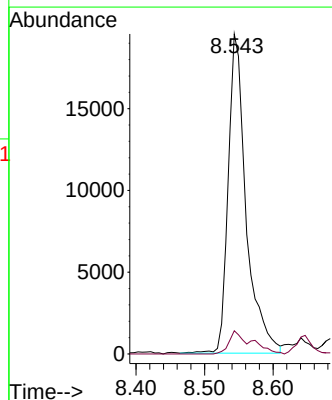
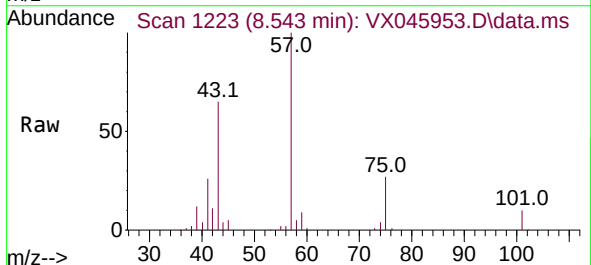
Instrument :
MSVOA_X
ClientSampleId :
VNJ-236

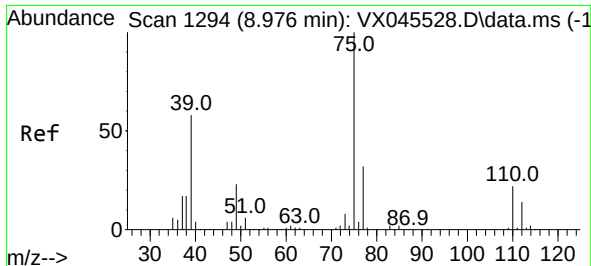
Tgt Ion: 98 Resp: 162439
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 23.069 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX045953.D
Acq: 28 Apr 2025 13:53

Tgt Ion: 43 Resp: 35439
Ion Ratio Lower Upper
43 100
58 5.7 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.438 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX045953.D

Acq: 28 Apr 2025 13:53

Instrument :

MSVOA_X

ClientSampleId :

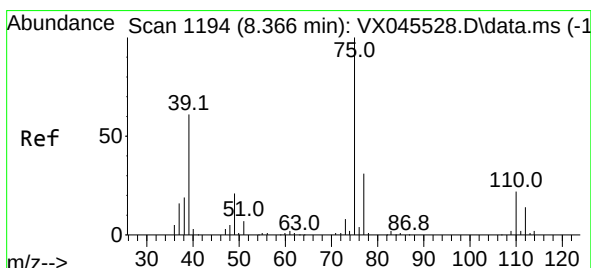
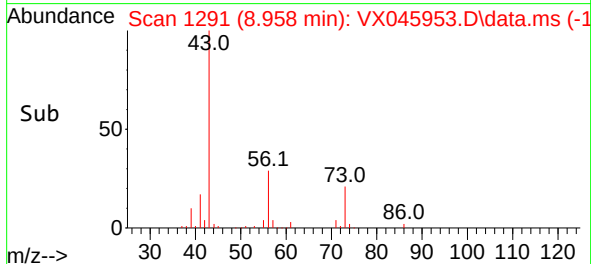
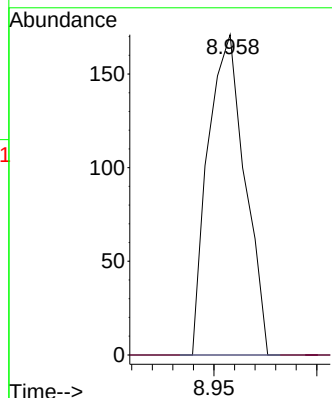
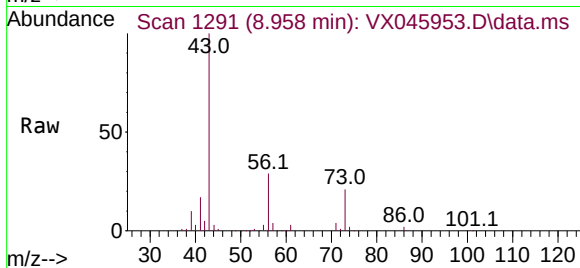
VNJ-236

Tgt Ion: 75 Resp: 213

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 9.892 ug/l

RT: 8.543 min Scan# 1223

Delta R.T. 0.177 min

Lab File: VX045953.D

Acq: 28 Apr 2025 13:53

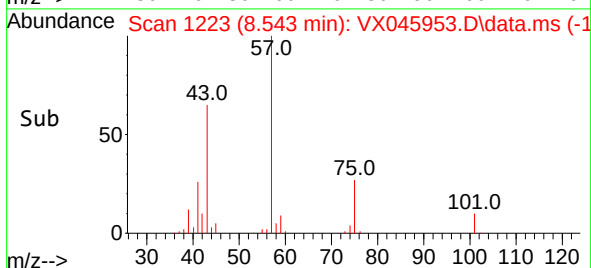
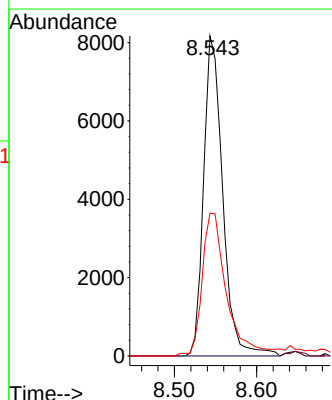
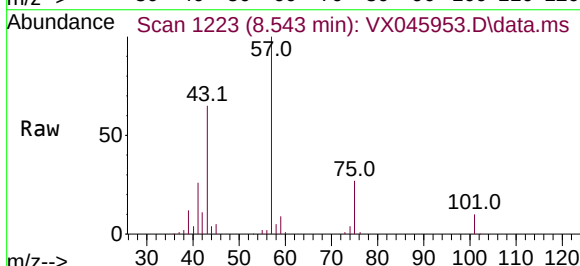
Tgt Ion: 75 Resp: 13175

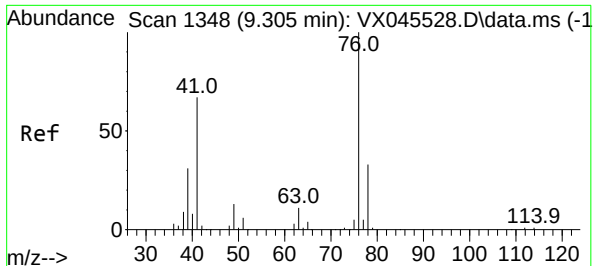
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 43.9 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.888 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX045953.D

Acq: 28 Apr 2025 13:53

Instrument :

MSVOA_X

ClientSampleId :

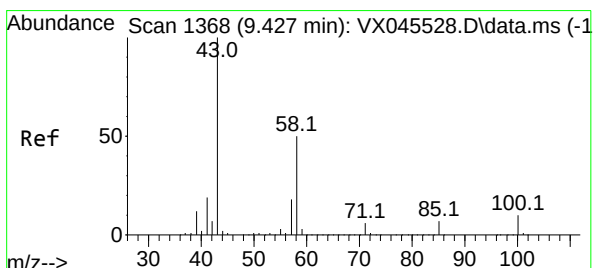
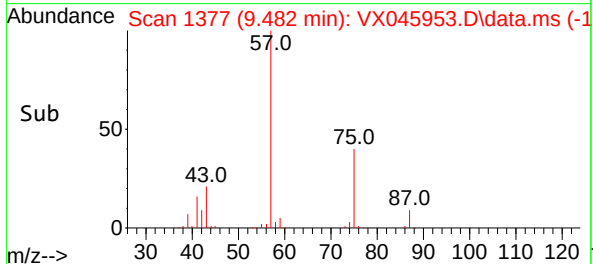
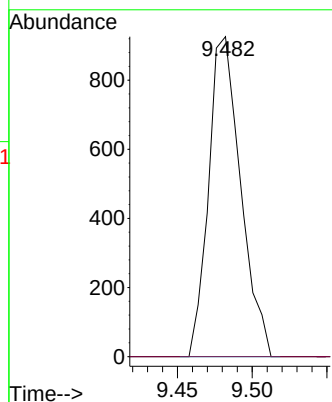
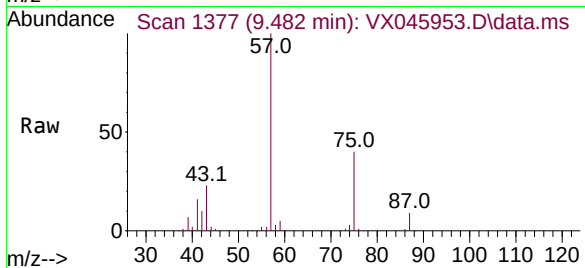
VNJ-236

Tgt Ion: 76 Resp: 1382

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 19.591 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX045953.D

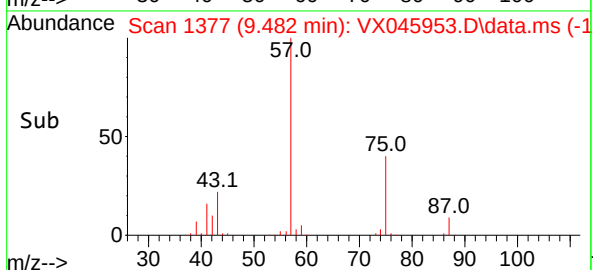
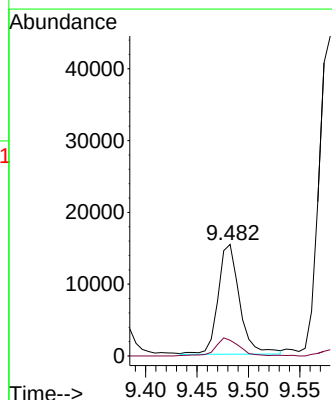
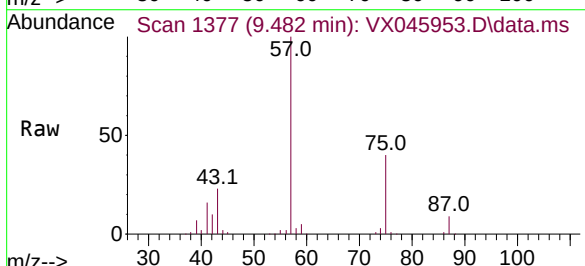
Acq: 28 Apr 2025 13:53

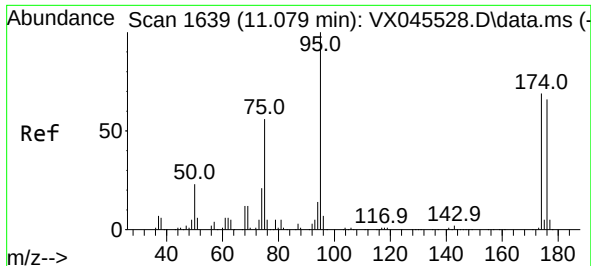
Tgt Ion: 43 Resp: 22287

Ion Ratio Lower Upper

43 100

58 18.0 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 55.137 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045953.D

Acq: 28 Apr 2025 13:53

Instrument :

MSVOA_X

ClientSampleId :

VNJ-236

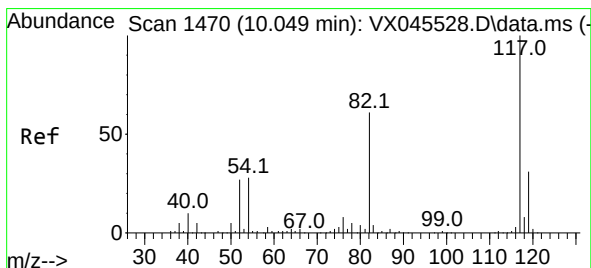
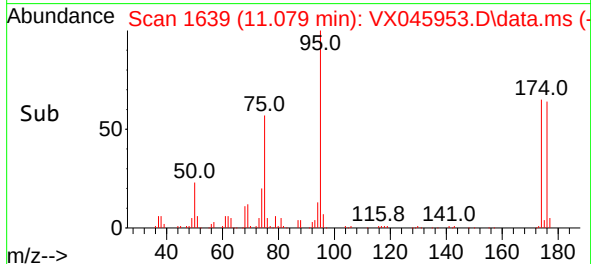
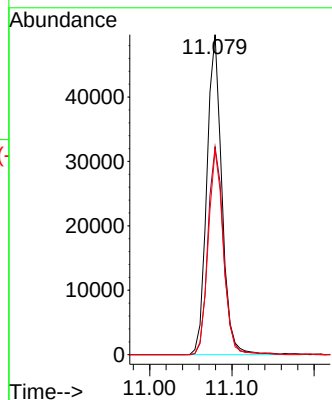
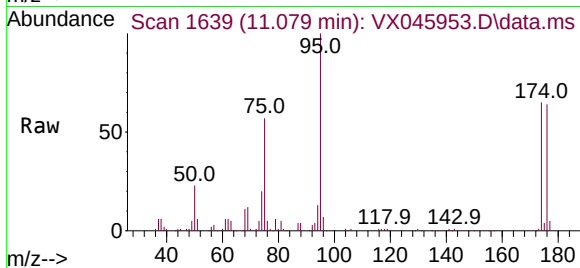
Tgt Ion: 95 Resp: 62989

Ion Ratio Lower Upper

95 100

174 67.3 0.0 135.8

176 64.9 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: VX045953.D

Acq: 28 Apr 2025 13:53

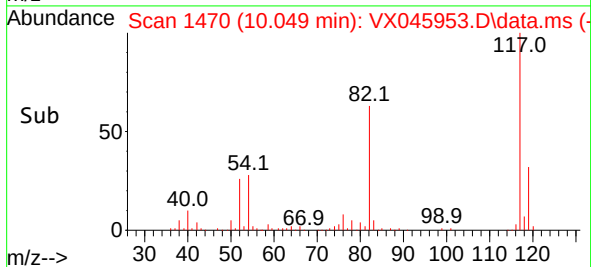
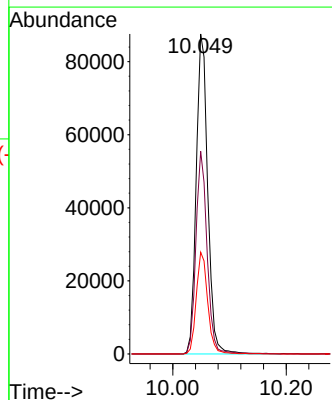
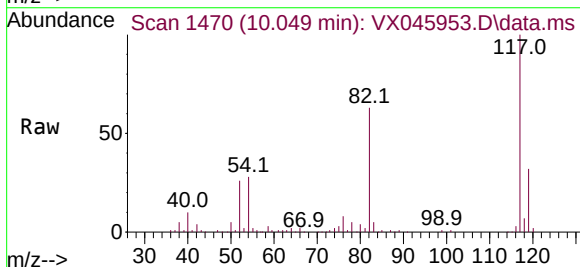
Tgt Ion: 117 Resp: 123754

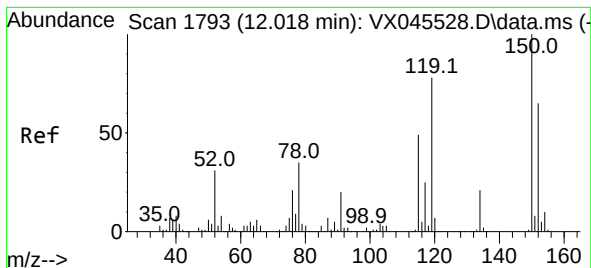
Ion Ratio Lower Upper

117 100

82 63.3 49.2 73.8

119 31.8 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: VX045953.D

Acq: 28 Apr 2025 13:53

Instrument :

MSVOA_X

ClientSampleId :

VNJ-236

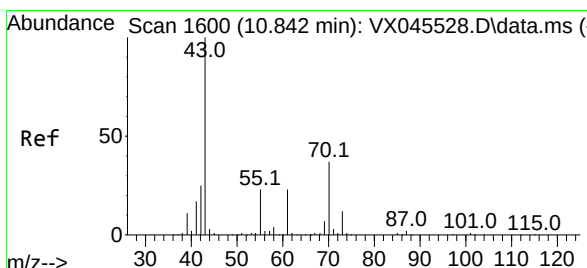
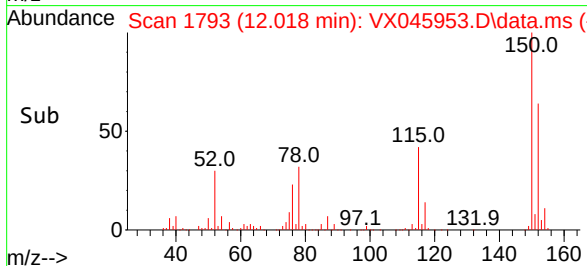
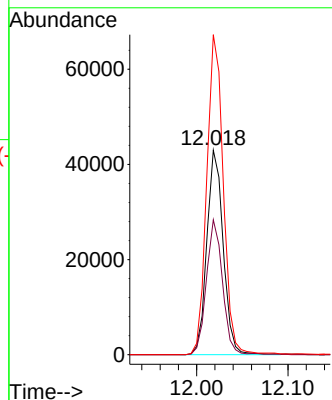
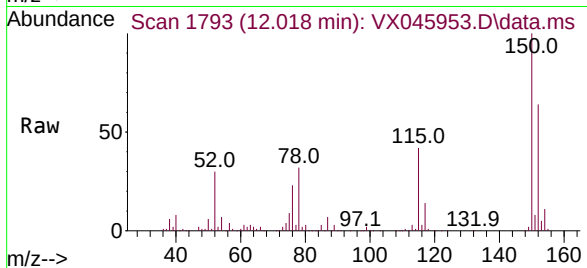
Tgt Ion:152 Resp: 53372

Ion Ratio Lower Upper

152 100

115 65.1 46.9 140.7

150 158.0 0.0 349.4



#74

N-ethyl acetate

Concen: 0.779 ug/l

RT: 10.781 min Scan# 1590

Delta R.T. -0.061 min

Lab File: VX045953.D

Acq: 28 Apr 2025 13:53

Tgt Ion: 43 Resp: 1594

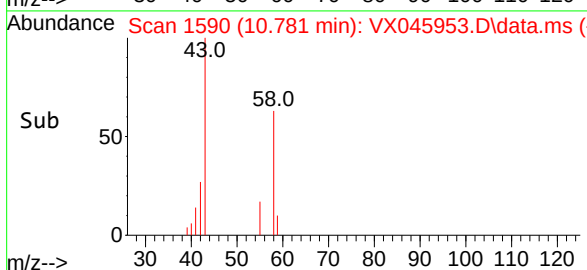
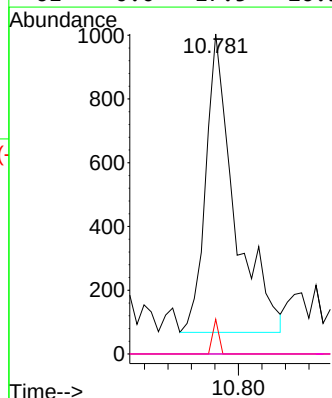
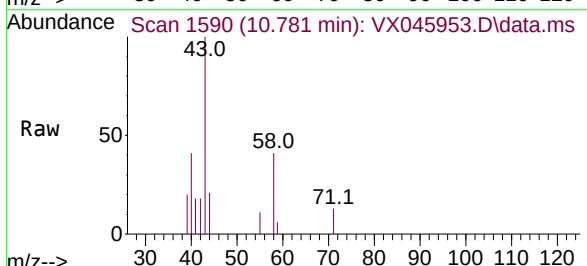
Ion Ratio Lower Upper

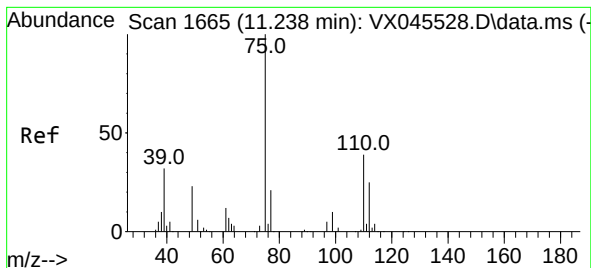
43 100

70 0.0 30.1 45.1#

55 2.5 18.3 27.5#

61 0.0 17.5 26.3#





#76

1,2,3-Trichloropropane

Concen: 28.008 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX045953.D

Acq: 28 Apr 2025 13:53

Instrument :

MSVOA_X

ClientSampleId :

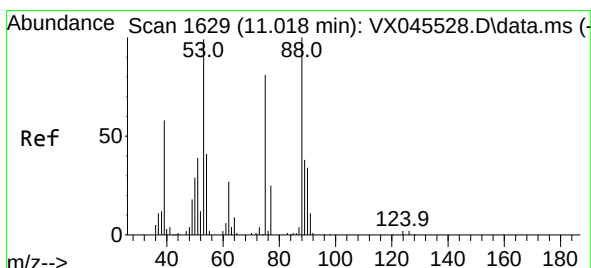
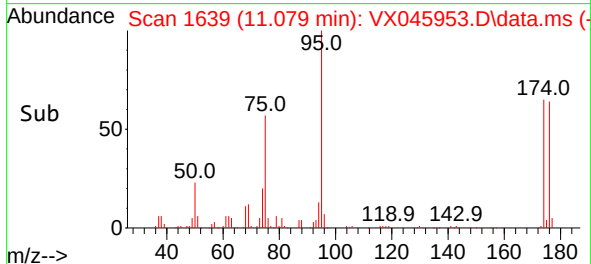
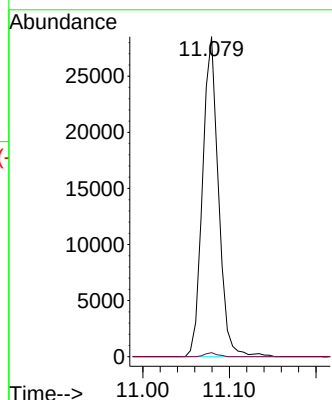
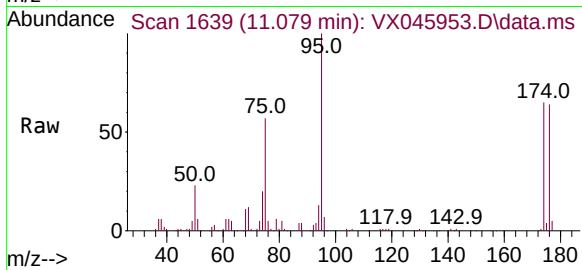
VNJ-236

Tgt Ion: 75 Resp: 36463

Ion Ratio Lower Upper

75 100

77 1.0 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.056 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045953.D

Acq: 28 Apr 2025 13:53

Tgt Ion: 75 Resp: 36463

Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.6#

89 0.0 37.2 55.8#

