

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
 Data File : VX046651.D
 Acq On : 11 Jun 2025 20:26
 Operator : JC/MD
 Sample : Q2280-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-210

Quant Time: Jun 12 02:37:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

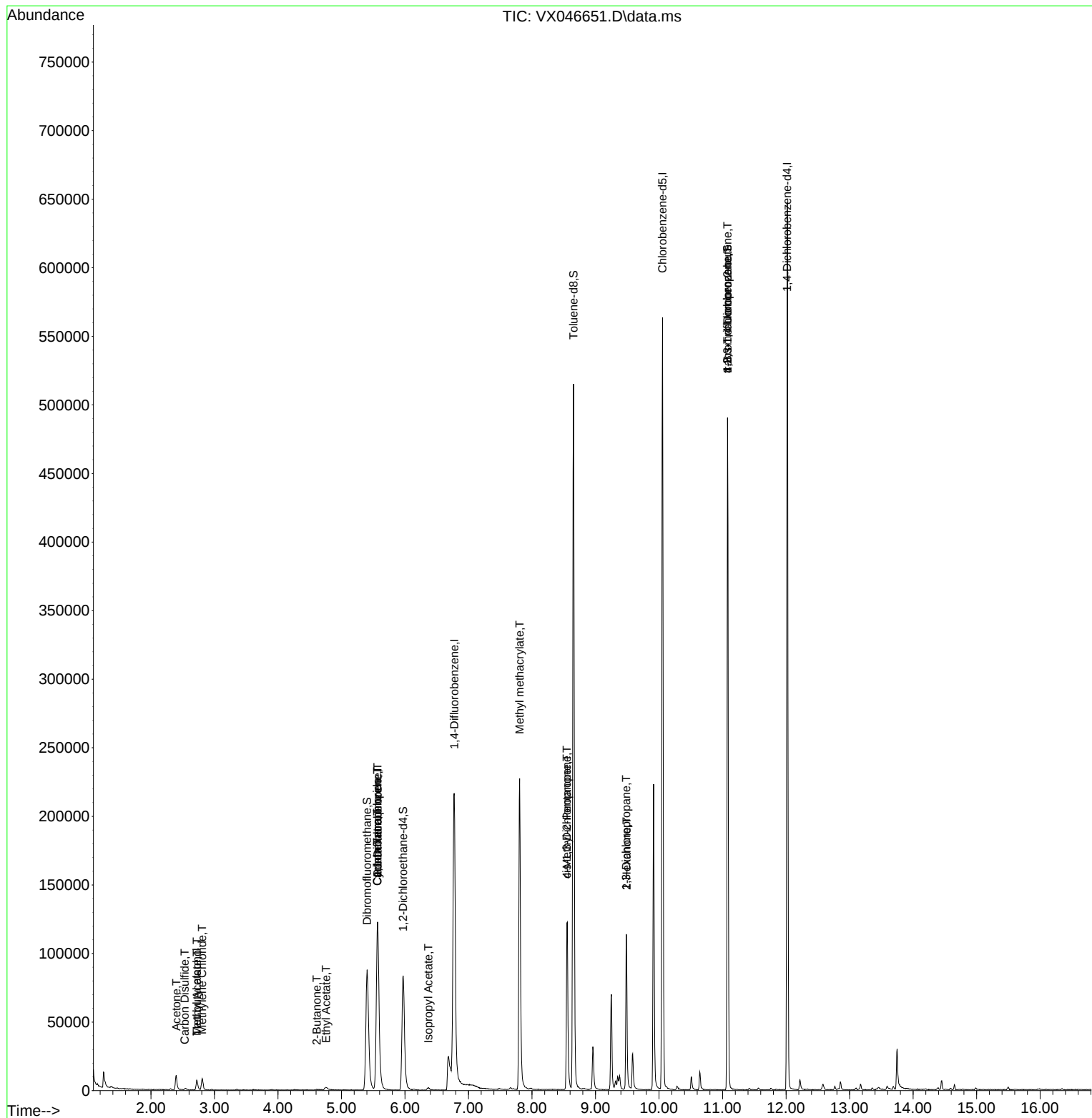
Internal Standards						
1) Pentafluorobenzene	5.568	168	121242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	226103	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	248763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	129063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	88988	41.255	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	82.520%
35) Dibromofluoromethane	5.403	113	82446	49.584	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.160%
50) Toluene-d8	8.653	98	307056	56.013	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	112.020%
62) 4-Bromofluorobenzene	11.079	95	129178	56.954	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	113.900%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.721	59	742	3.100	ug/l #	72
16) Acetone	2.398	43	13551	20.299	ug/l	95
17) Carbon Disulfide	2.532	76	369	0.323	ug/l #	76
18) Methyl Acetate	2.721	43	9963	3.878	ug/l	99
20) Methylene Chloride	2.806	84	4021	2.324	ug/l	89
25) 2-Butanone	4.611	43	818	0.681	ug/l #	53
31) Cyclohexane	5.562	56	2678	1.068	ug/l #	24
36) 1,1-Dichloropropene	5.568	75	9841	4.143	ug/l #	52
37) Ethyl Acetate	4.757	43	3770	1.626	ug/l #	88
38) Carbon Tetrachloride	5.562	117	13078	4.916	ug/l #	17
43) Isopropyl Acetate	6.367	43	3239	0.801	ug/l #	94
48) Methyl methacrylate	7.805	41	21647	10.411	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	46497	18.106	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	20934	7.866	ug/l #	55
57) 1,3-Dichloropropane	9.482	76	950	0.326	ug/l #	42
59) 2-Hexanone	9.488	43	15179	8.242	ug/l #	57
76) 1,2,3-Trichloropropane	11.079	75	67696	24.763	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	67696	71.433	ug/l #	1

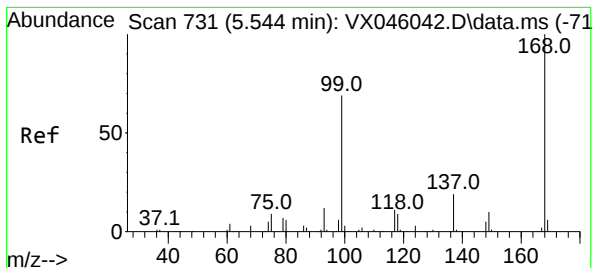
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 12 02:37:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.568 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX046651.D

Acq: 11 Jun 2025 20:26

Instrument :

MSVOA_X

ClientSampleId :

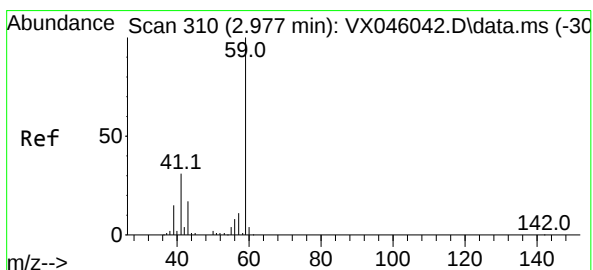
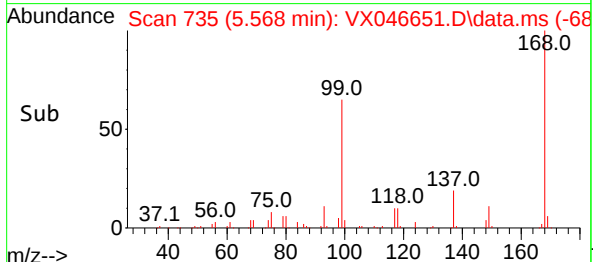
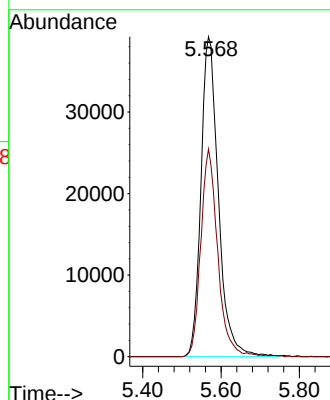
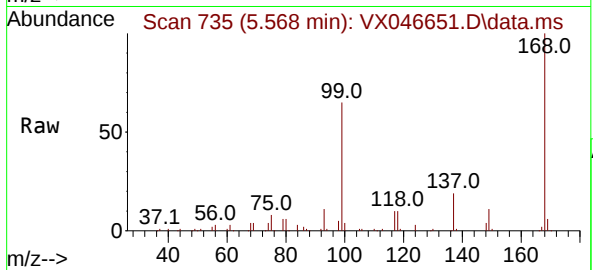
VNJ-210

Tgt Ion:168 Resp: 121242

Ion Ratio Lower Upper

168 100

99 64.9 54.9 82.3



#11

Tert butyl alcohol

Concen: 3.100 ug/l

RT: 2.721 min Scan# 268

Delta R.T. -0.250 min

Lab File: VX046651.D

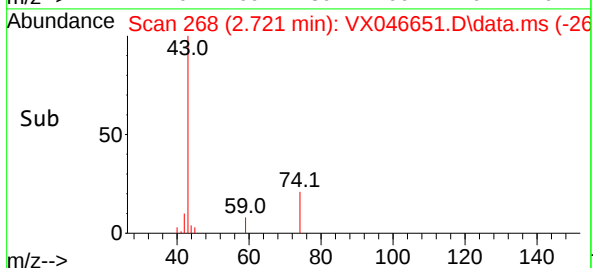
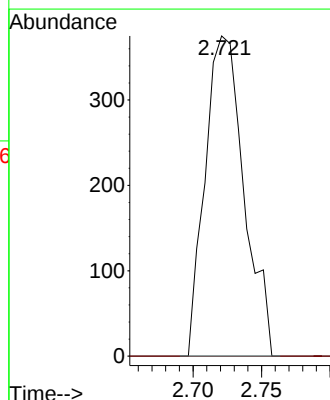
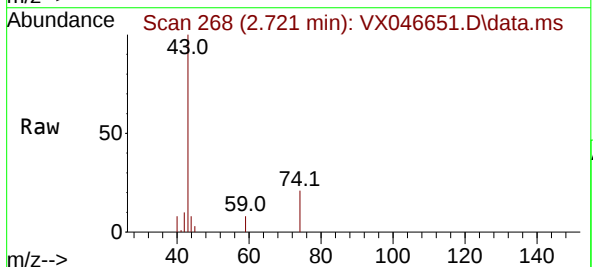
Acq: 11 Jun 2025 20:26

Tgt Ion: 59 Resp: 742

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

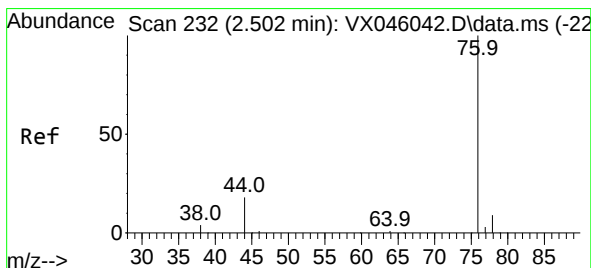
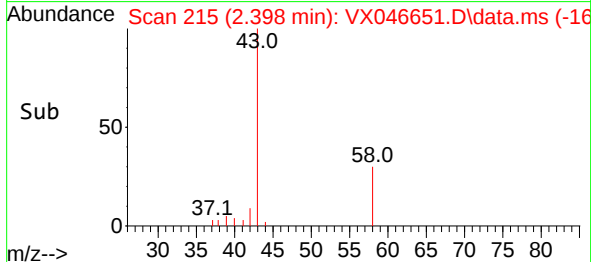
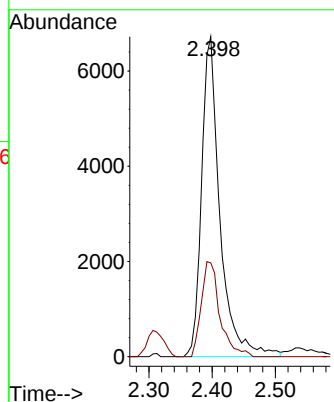
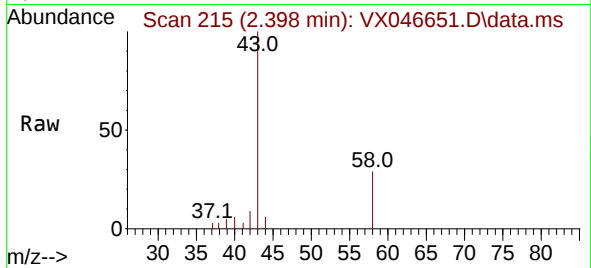




#16
Acetone
Concen: 20.299 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

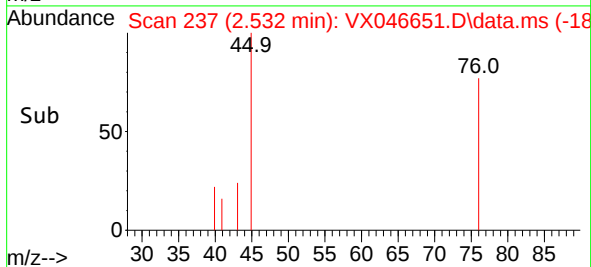
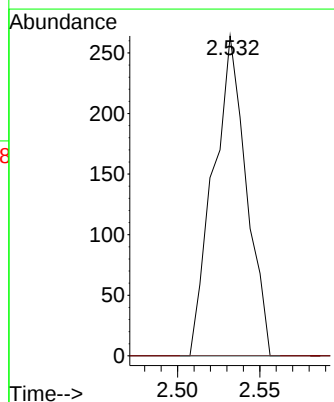
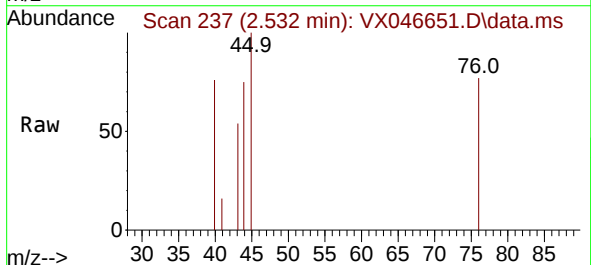
Instrument :
MSVOA_X
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VNJ-210

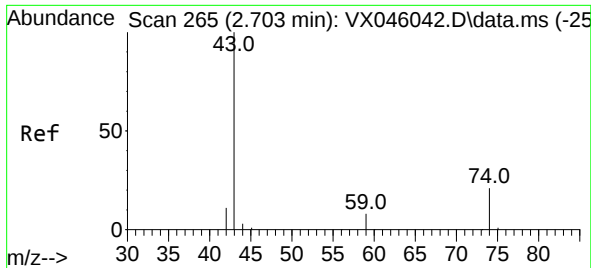
Tgt Ion: 43 Resp: 13551
Ion Ratio Lower Upper
43 100
58 29.3 21.2 31.8



#17
Carbon Disulfide
Concen: 0.323 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.000 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

Tgt Ion: 76 Resp: 369
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

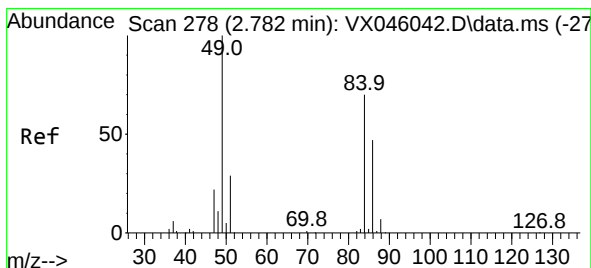
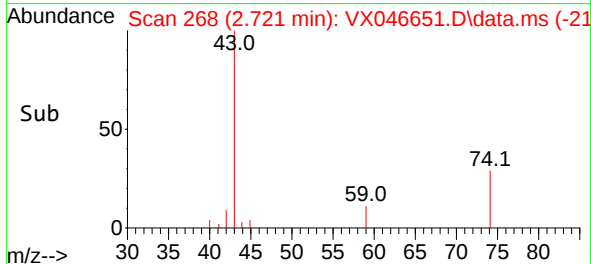
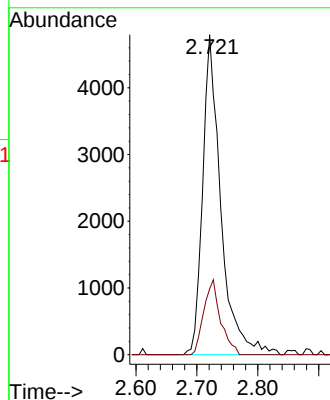
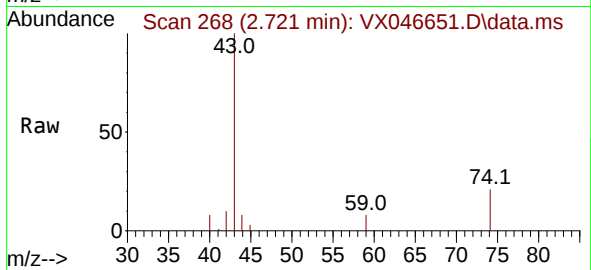




#18
Methyl Acetate
Concen: 3.878 ug/l
RT: 2.721 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

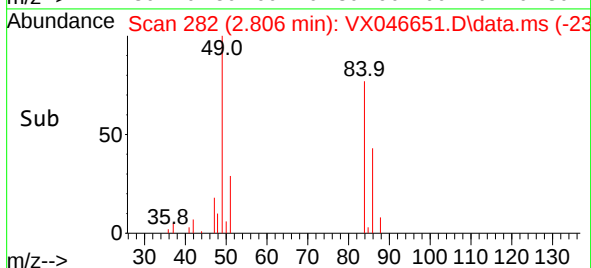
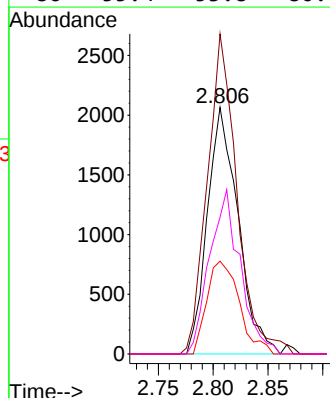
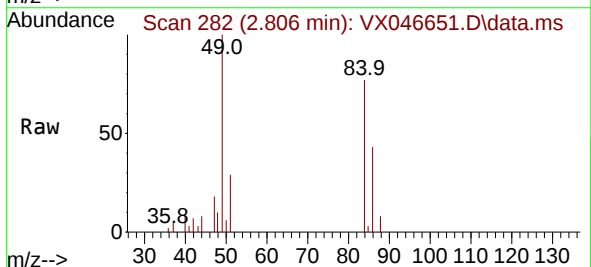
Instrument :
MSVOA_X
ClientSampleId :
VNJ-210

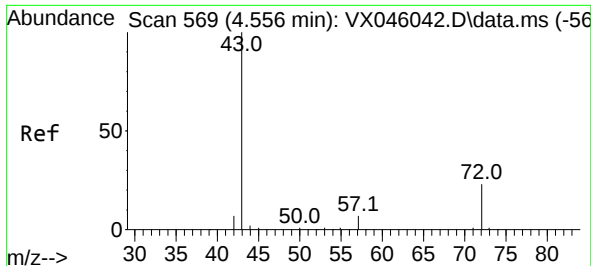
Tgt Ion: 43 Resp: 9963
Ion Ratio Lower Upper
43 100
74 21.5 16.7 25.1



#20
Methylene Chloride
Concen: 2.324 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

Tgt Ion: 84 Resp: 4021
Ion Ratio Lower Upper
84 100
49 129.8 113.9 170.9
51 37.7 33.5 50.3
86 55.4 53.8 80.8

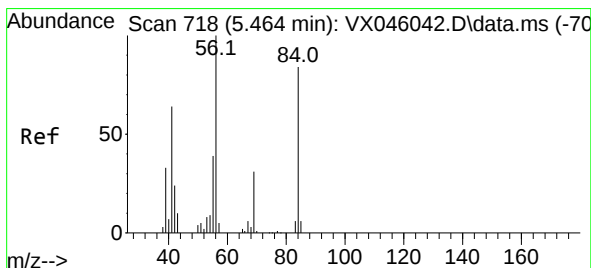
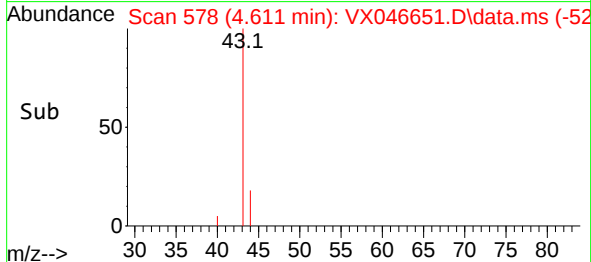
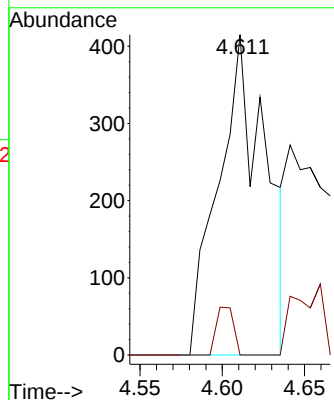
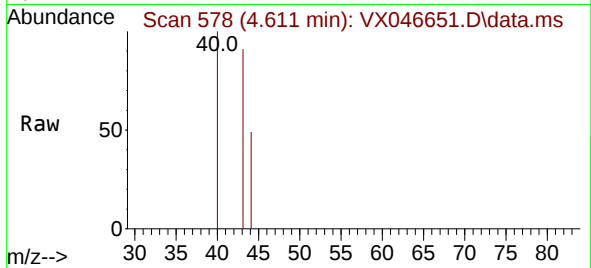




#25
2-Butanone
Concen: 0.681 ug/l
RT: 4.611 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

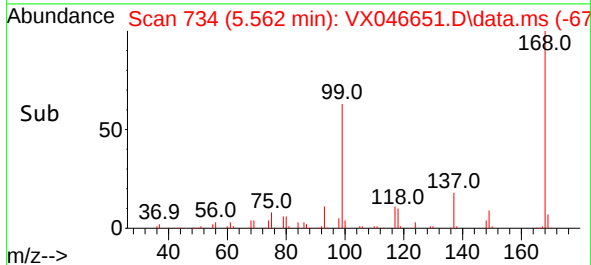
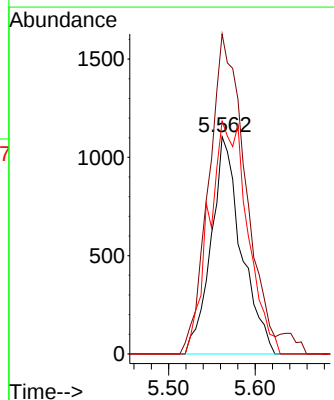
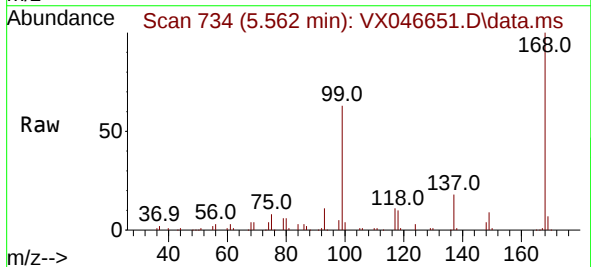
Instrument :
MSVOA_X
ClientSampleId :
VNJ-210

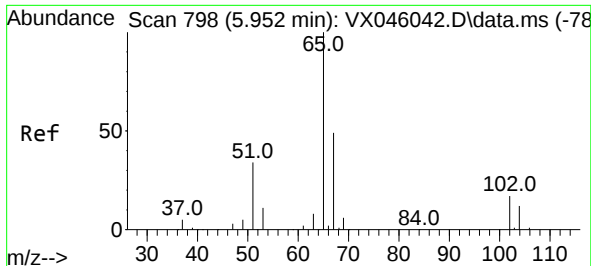
Tgt Ion: 43 Resp: 818
Ion Ratio Lower Upper
43 100
72 0.0 18.4 27.6#



#31
Cyclohexane
Concen: 1.068 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.073 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

Tgt Ion: 56 Resp: 2678
Ion Ratio Lower Upper
56 100
69 147.3 24.4 36.6#
84 107.1 66.9 100.3#

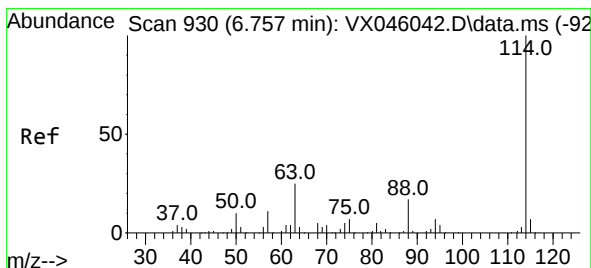
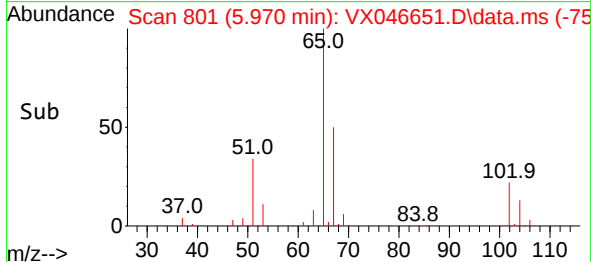
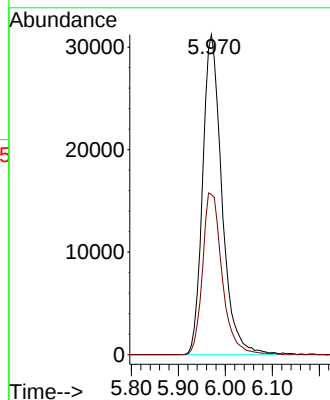
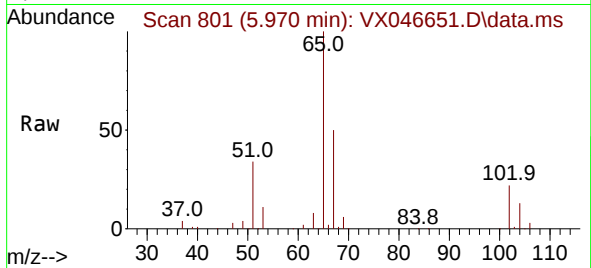




#33
1,2-Dichloroethane-d4
Concen: 41.255 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.000 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

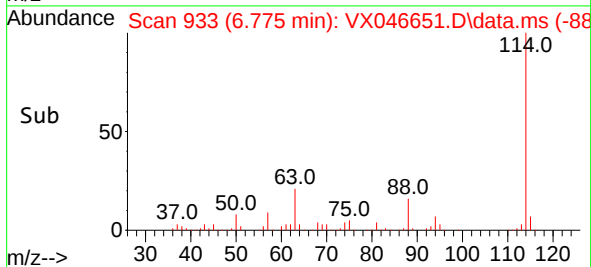
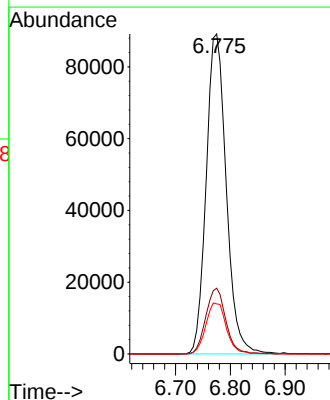
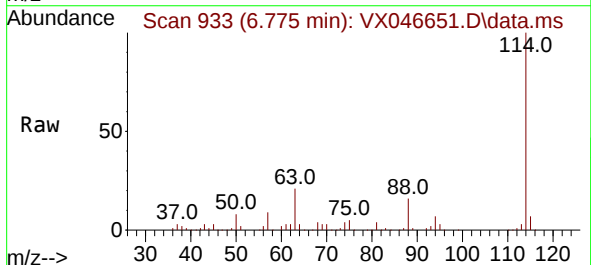
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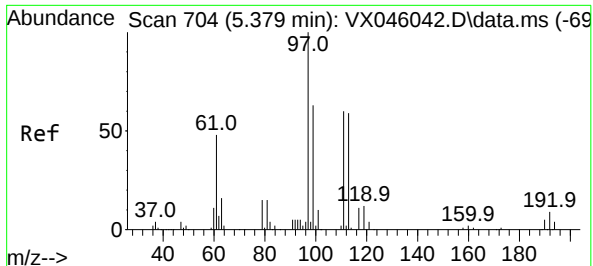
Tgt Ion: 65 Resp: 88988
Ion Ratio Lower Upper
65 100
67 51.5 0.0 99.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.000 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

Tgt Ion: 114 Resp: 226103
Ion Ratio Lower Upper
114 100
63 20.6 0.0 49.2
88 15.6 0.0 33.6

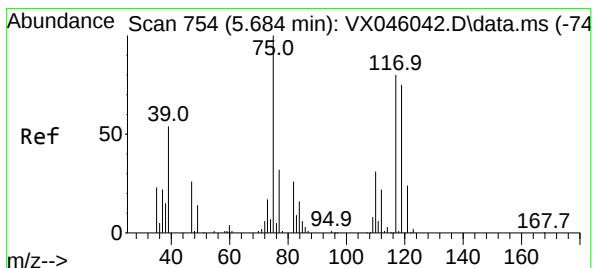
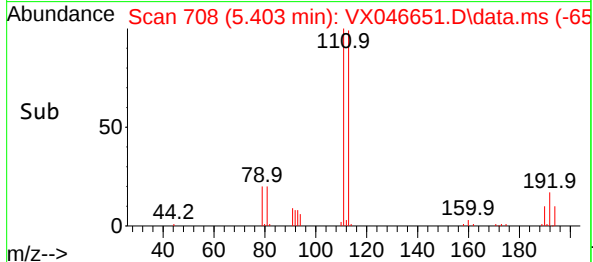
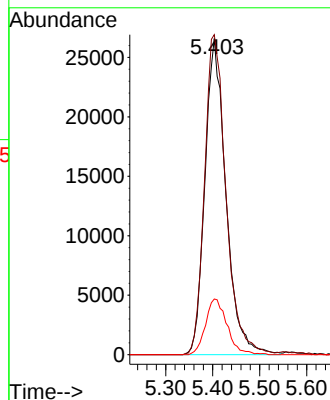
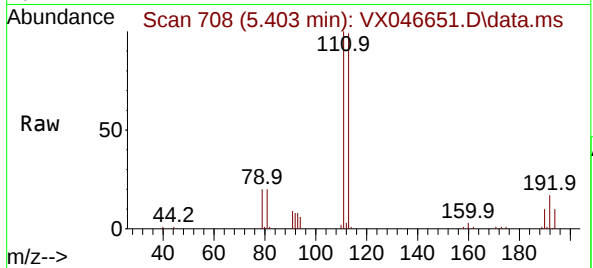




#35
Dibromofluoromethane
Concen: 49.584 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

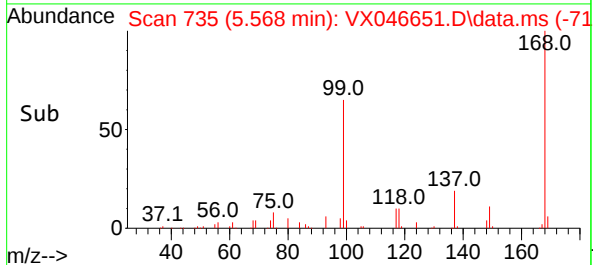
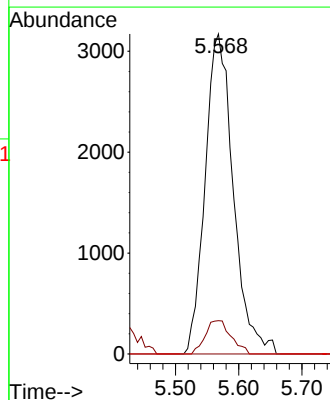
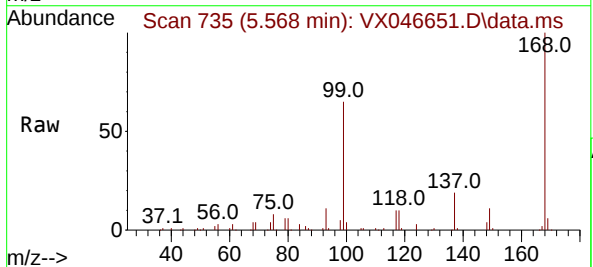
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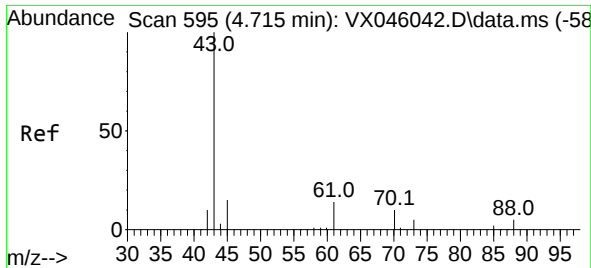
Tgt Ion:113 Resp: 82446
Ion Ratio Lower Upper
113 100
111 103.4 83.1 124.7
192 18.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.143 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.146 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

Tgt Ion: 75 Resp: 9841
Ion Ratio Lower Upper
75 100
110 9.5 16.3 48.9#
77 0.0 24.3 36.5#

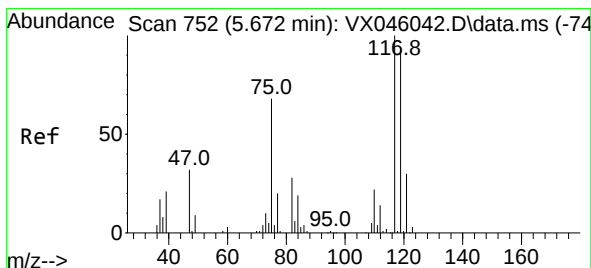
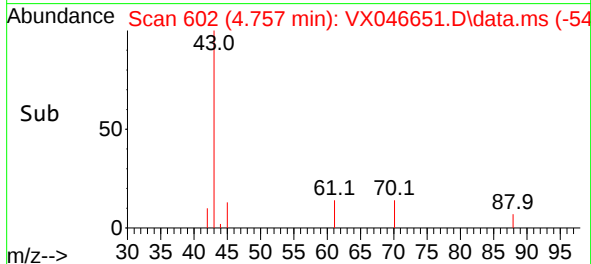
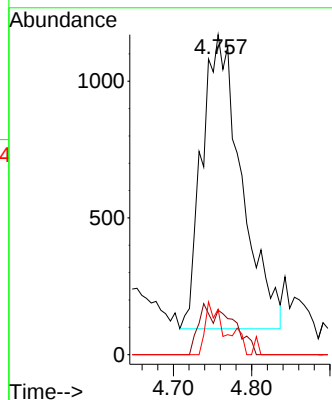
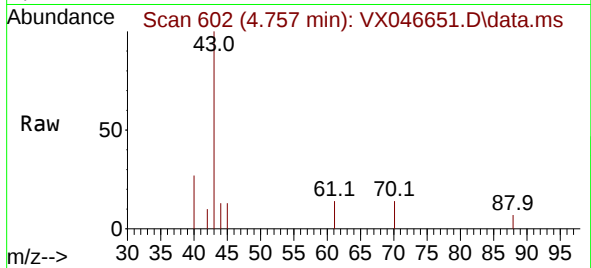




#37
Ethyl Acetate
Concen: 1.626 ug/l
RT: 4.757 min Scan# 602
Delta R.T. 0.024 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

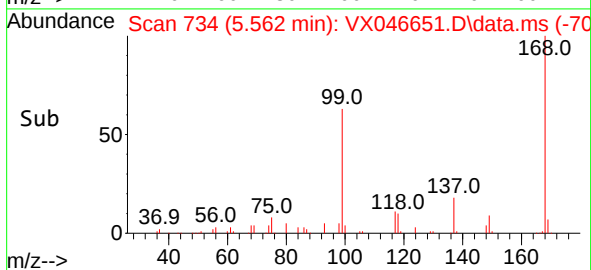
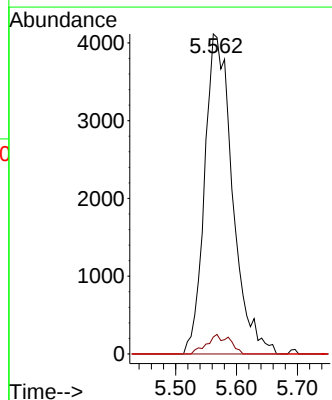
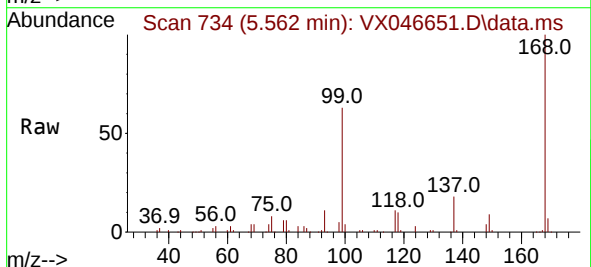
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Tgt Ion: 43 Resp: 3770
Ion Ratio Lower Upper
43 100
61 6.2 10.3 15.5#
70 7.5 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 4.916 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

Tgt Ion: 117 Resp: 13078
Ion Ratio Lower Upper
117 100
119 5.3 75.2 112.8#
121 0.0 24.2 36.4#

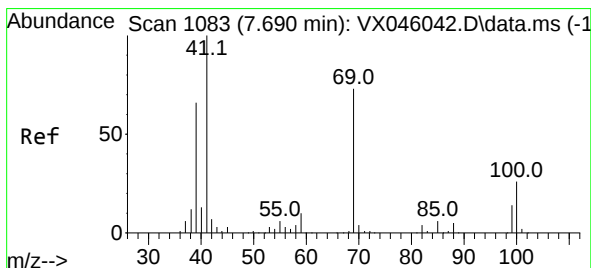
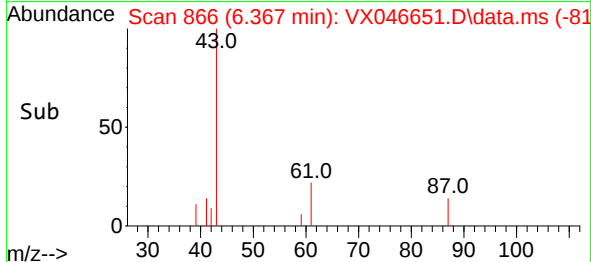
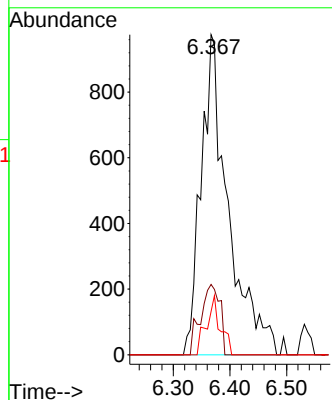
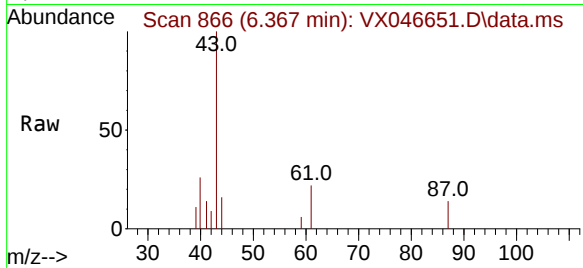




#43
Isopropyl Acetate
Concen: 0.801 ug/l
RT: 6.367 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

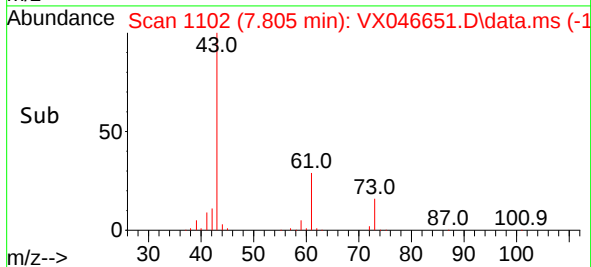
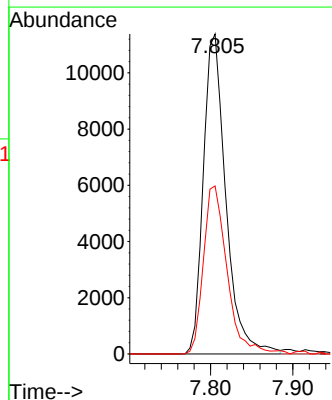
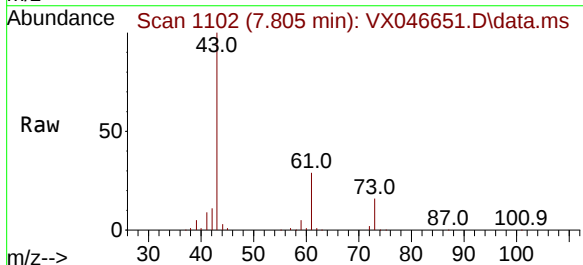
Instrument :
MSVOA_X
ClientSampleId :
VNJ-210

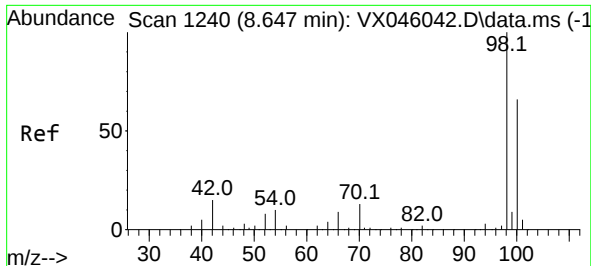
Tgt Ion: 43 Resp: 3239
Ion Ratio Lower Upper
43 100
61 15.7 14.3 21.5
87 9.4 9.5 14.3#



#48
Methyl methacrylate
Concen: 10.411 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

Tgt Ion: 41 Resp: 21647
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 55.1 51.7 77.5

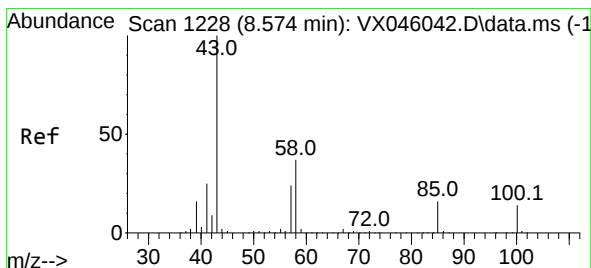
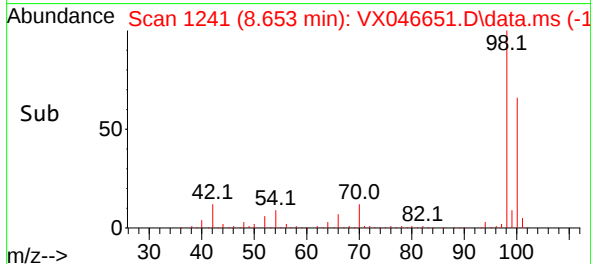
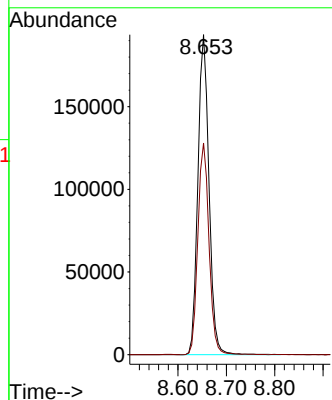
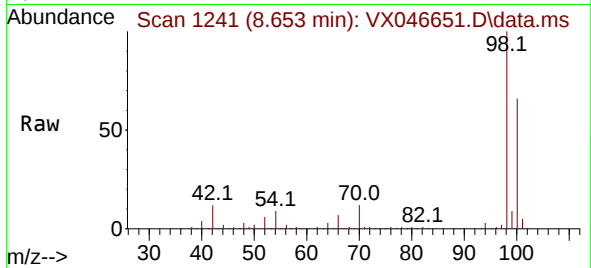




#50
Toluene-d8
Concen: 56.013 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

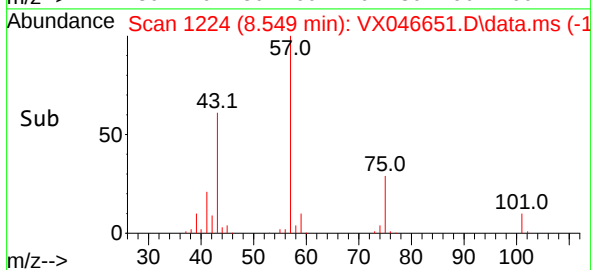
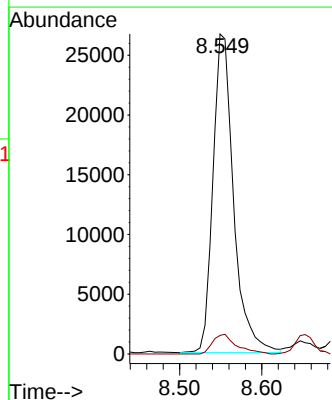
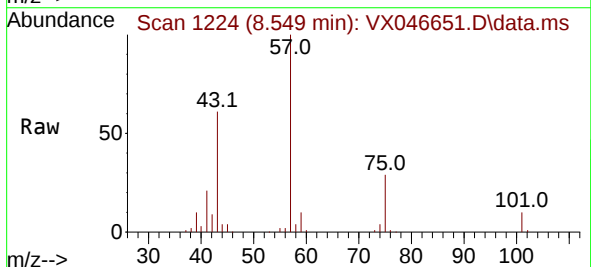
Instrument :
MSVOA_X
ClientSampleId :
VNJ-210

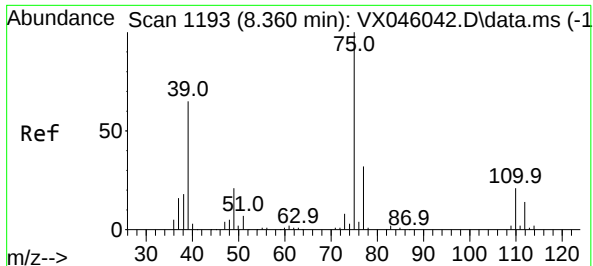
Tgt Ion: 98 Resp: 307056
Ion Ratio Lower Upper
98 100
100 66.7 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 18.106 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

Tgt Ion: 43 Resp: 46497
Ion Ratio Lower Upper
43 100
58 7.1 28.9 43.3#

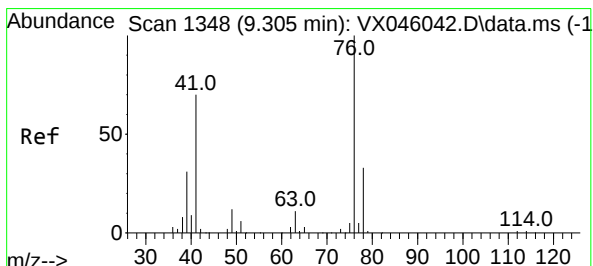
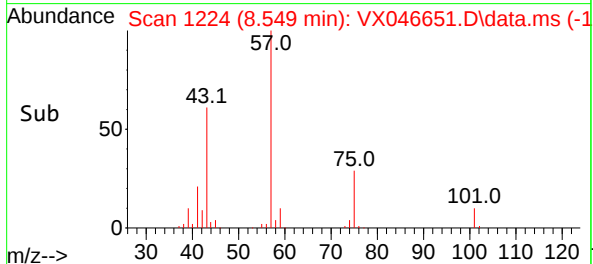
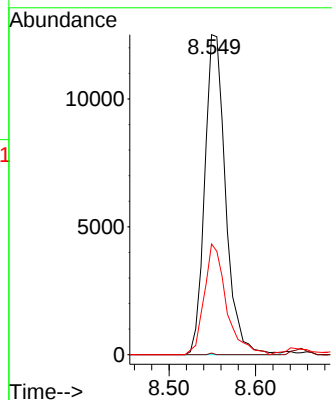
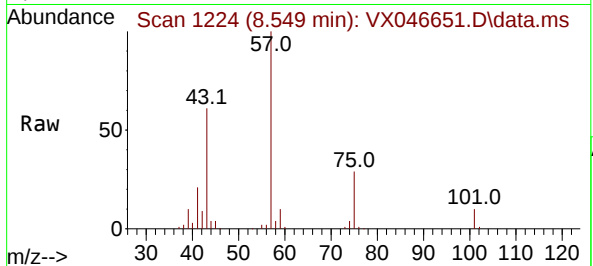




#54
cis-1,3-Dichloropropene
Concen: 7.866 ug/l
RT: 8.549 min Scan# 1193
Delta R.T. 0.177 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

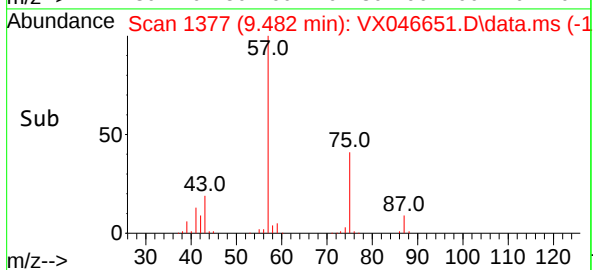
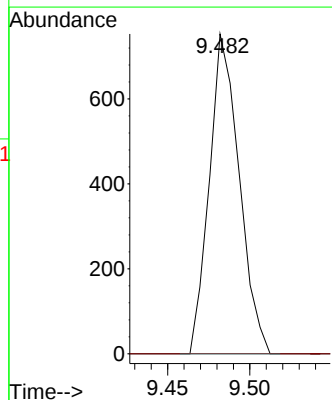
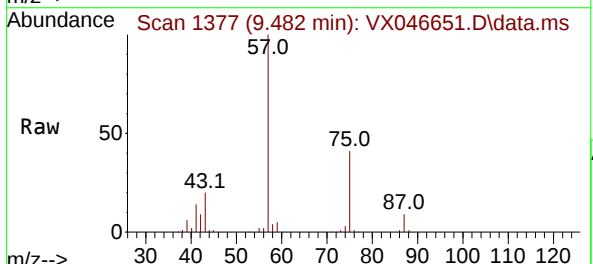
Instrument :
MSVOA_X
ClientSampleId :
VNJ-210

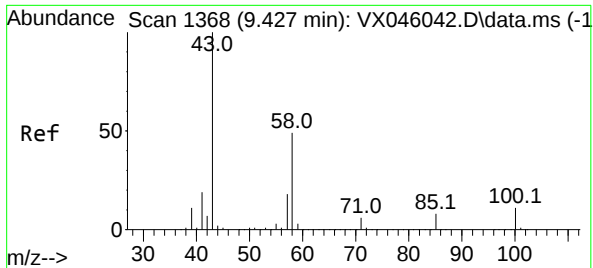
Tgt Ion: 75 Resp: 20934
Ion Ratio Lower Upper
75 100
77 0.5 25.4 38.0#
39 34.6 52.2 78.4#



#57
1,3-Dichloropropane
Concen: 0.326 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

Tgt Ion: 76 Resp: 950
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#

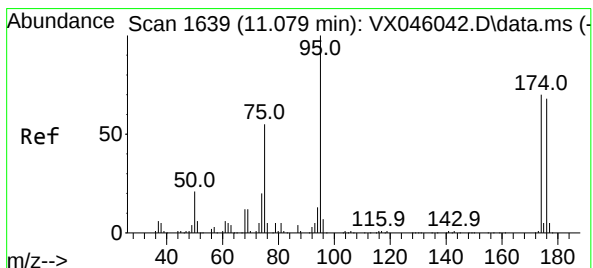
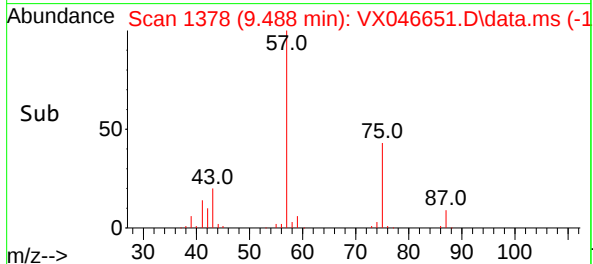
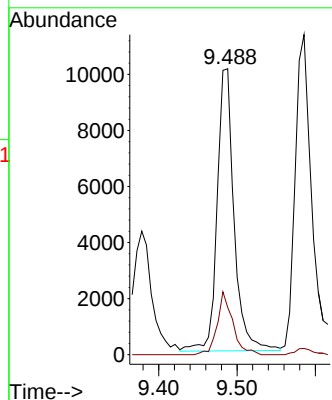
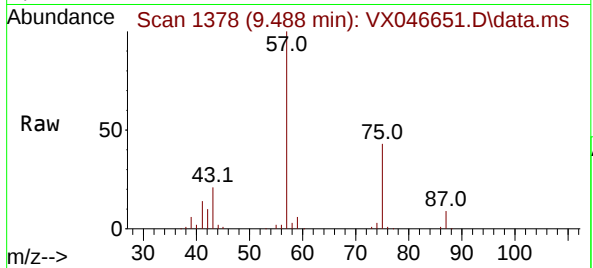




#59
2-Hexanone
Concen: 8.242 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

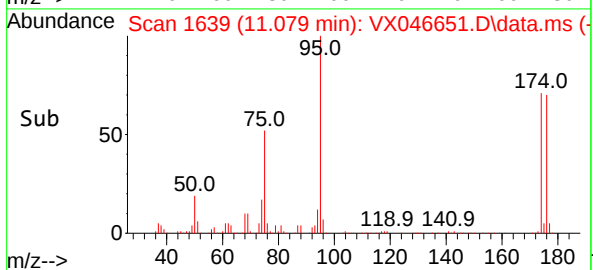
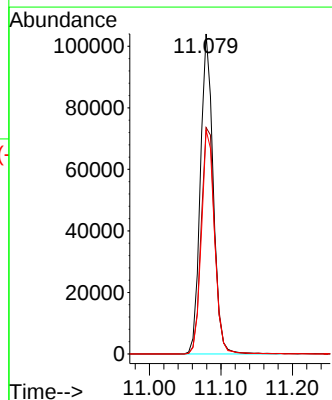
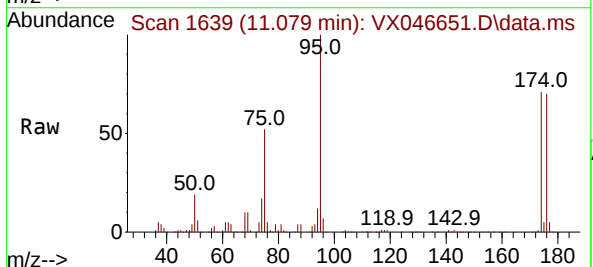
Instrument :
MSVOA_X
ClientSampleId :
VNJ-210

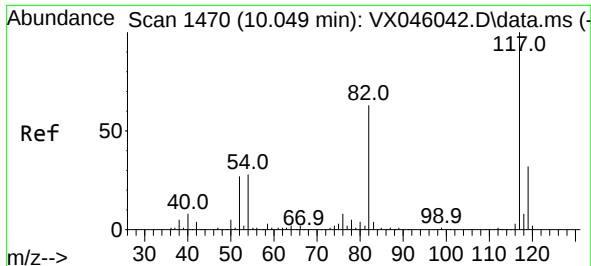
Tgt Ion: 43 Resp: 15179
Ion Ratio Lower Upper
43 100
58 20.3 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 56.954 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

Tgt Ion: 95 Resp: 129178
Ion Ratio Lower Upper
95 100
174 75.1 0.0 135.8
176 71.7 0.0 131.4

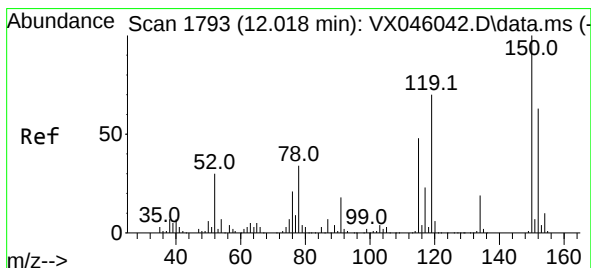
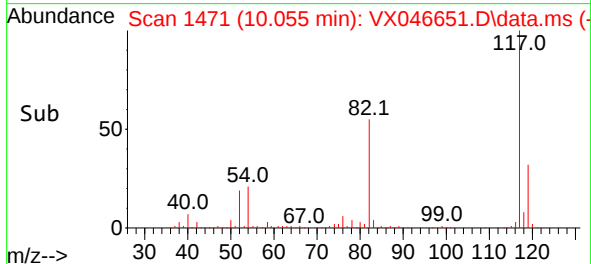
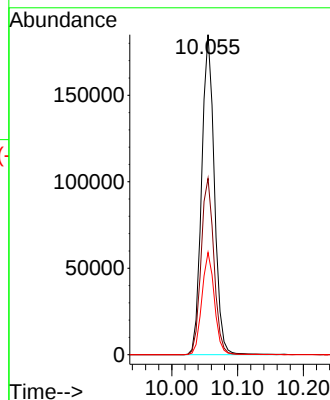
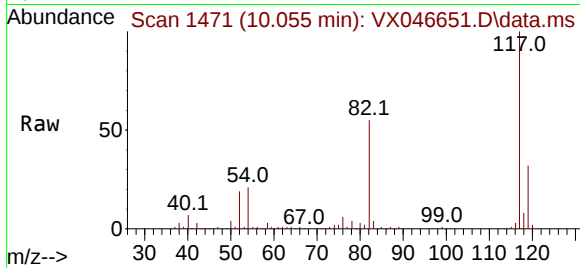




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

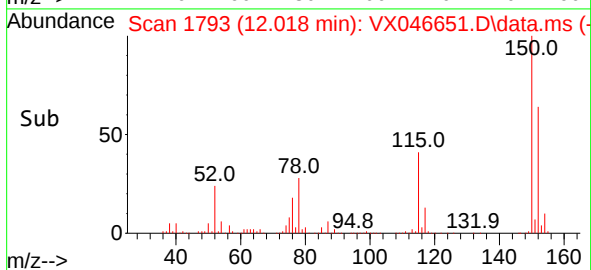
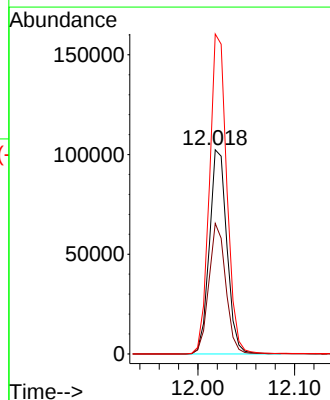
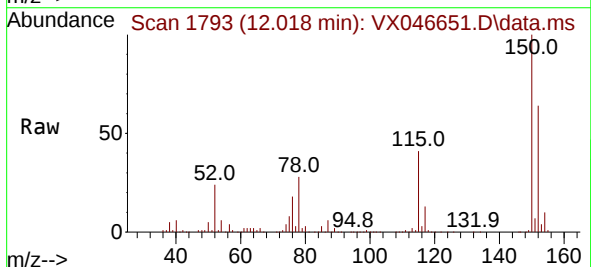
Instrument :
MSVOA_X
ClientSampleId :
VNJ-210

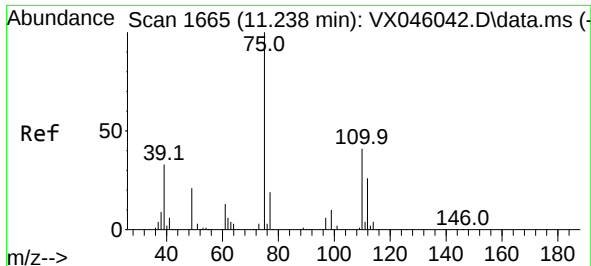
Tgt Ion:117 Resp: 248763
Ion Ratio Lower Upper
117 100
82 55.1 50.6 76.0
119 32.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

Tgt Ion:152 Resp: 129063
Ion Ratio Lower Upper
152 100
115 62.0 46.9 140.7
150 156.3 0.0 351.0

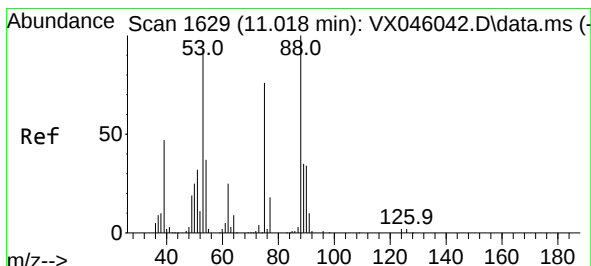
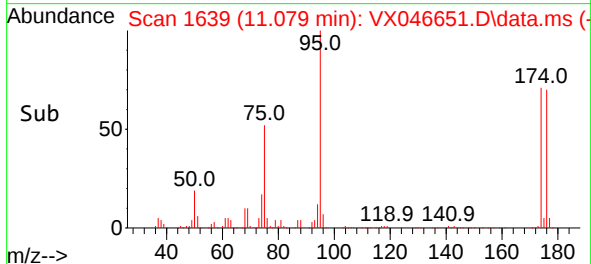
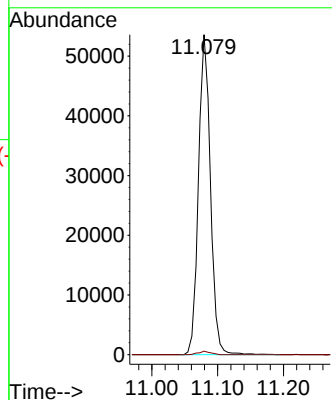
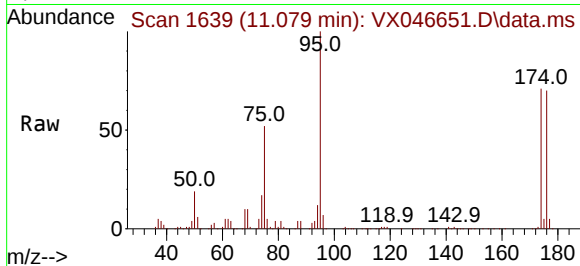




#76
1,2,3-Trichloropropane
Concen: 24.763 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

Instrument :
MSVOA_X
ClientSampleId :
VNJ-210

Tgt Ion: 75 Resp: 67696
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.433 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046651.D
Acq: 11 Jun 2025 20:26

Tgt Ion: 75 Resp: 67696
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

