

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112425\
 Data File : VX048668.D
 Acq On : 24 Nov 2025 16:50
 Operator : JC/MD
 Sample : Q3711-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-222

Quant Time: Nov 26 00:27:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

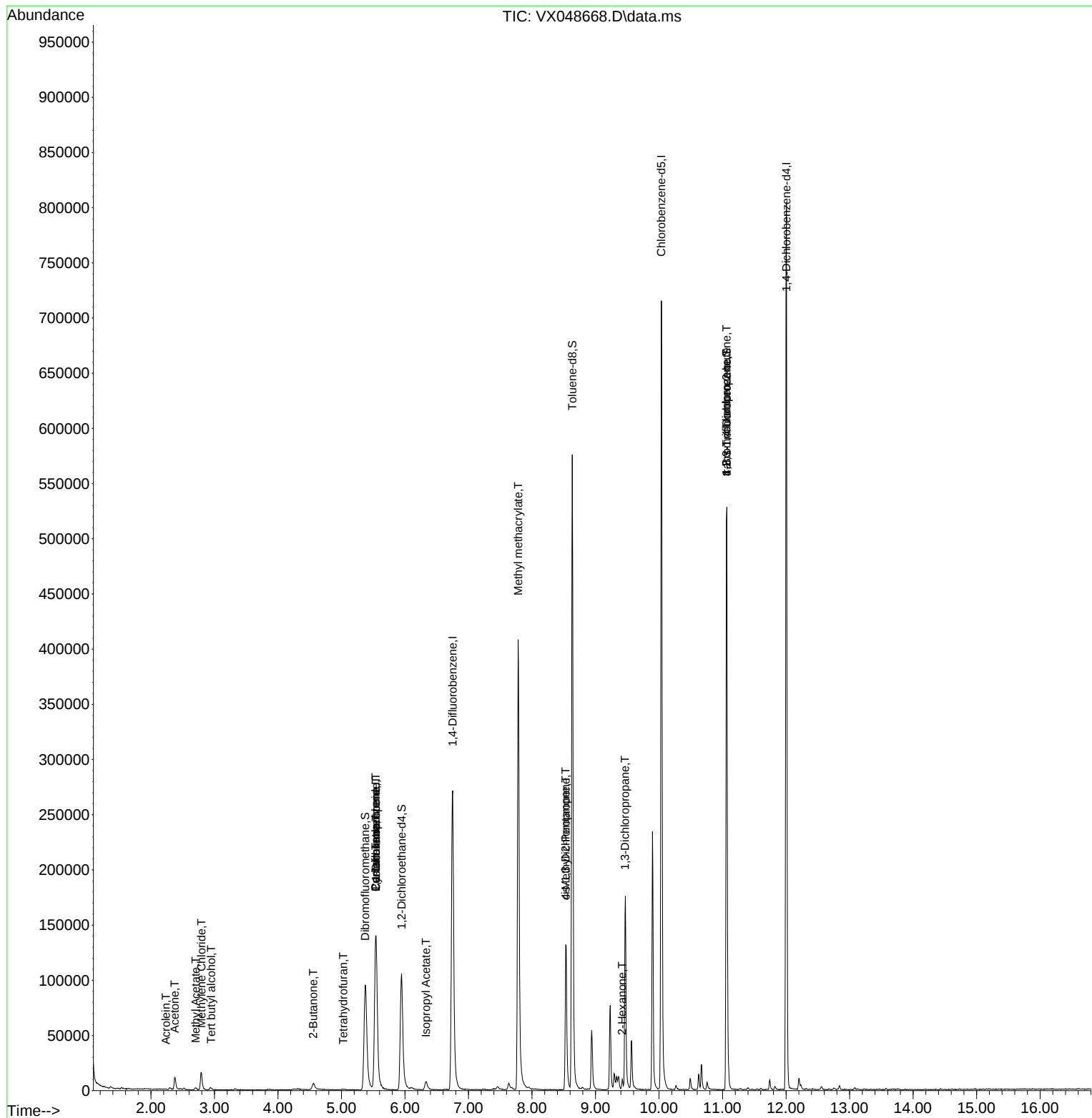
Internal Standards						
1) Pentafluorobenzene	5.537	168	147321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	302792	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	329711	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	177161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	116400	56.703	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	113.400%
35) Dibromofluoromethane	5.373	113	95232	41.555	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	83.100%
50) Toluene-d8	8.634	98	354888	49.652	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.300%
62) 4-Bromofluorobenzene	11.061	95	154133	57.866	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.740%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	2257	5.802	ug/l	100
13) Acrolein	2.233	56	20	0.355	ug/l #	15
16) Acetone	2.373	43	15029	15.467	ug/l #	85
18) Methyl Acetate	2.702	43	3072	1.150	ug/l	98
20) Methylene Chloride	2.794	84	8327	4.168	ug/l #	96
25) 2-Butanone	4.556	43	11655	8.108	ug/l	98
29) Tetrahydrofuran	5.025	42	468	0.456	ug/l #	55
31) Cyclohexane	5.543	56	2854	1.035	ug/l #	1
36) 1,1-Dichloropropene	5.543	75	11683	3.807	ug/l #	51
38) Carbon Tetrachloride	5.537	117	15848	4.537	ug/l #	19
43) Isopropyl Acetate	6.330	43	12285	2.023	ug/l	96
48) Methyl methacrylate	7.781	41	39741	14.723	ug/l #	42
51) 4-Methyl-2-Pentanone	8.531	43	51879	15.009	ug/l #	48
54) cis-1,3-Dichloropropene	8.531	75	22681	6.680	ug/l #	66
57) 1,3-Dichloropropane	9.463	76	1598	0.459	ug/l #	42
59) 2-Hexanone	9.421	43	4860	1.890	ug/l	94
76) 1,2,3-Trichloropropane	11.061	75	80430	18.845	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	80430	53.902	ug/l #	12

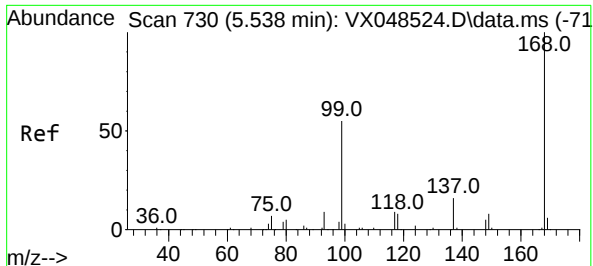
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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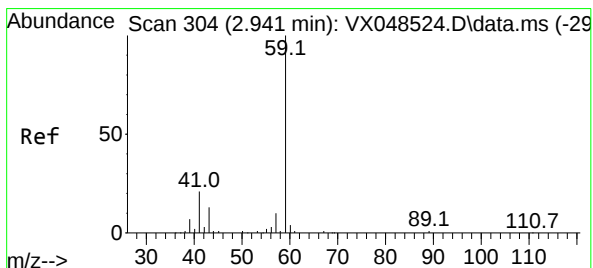
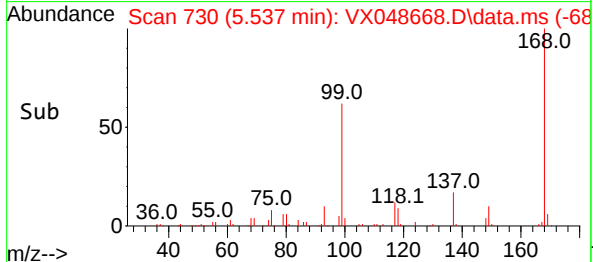
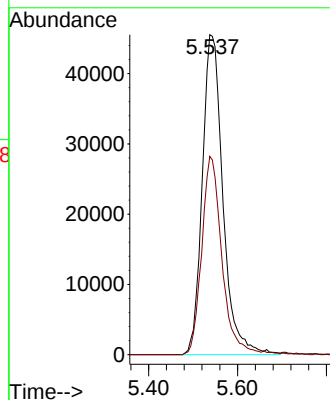
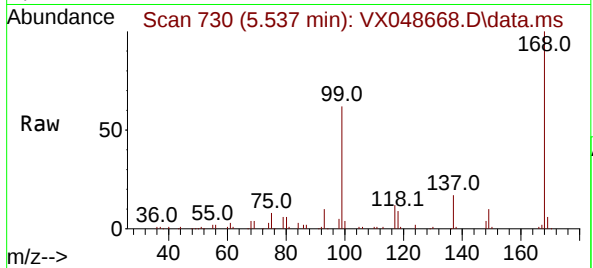




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048668.D
Acq: 24 Nov 2025 16:50

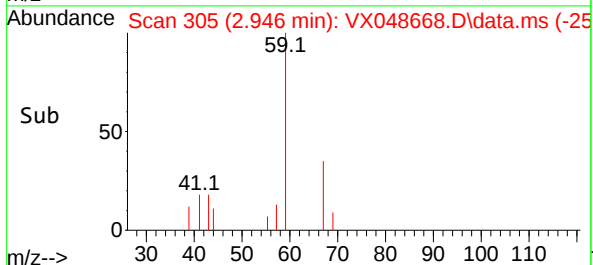
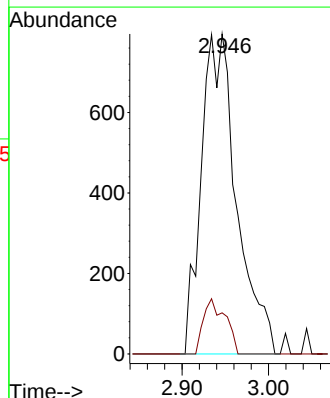
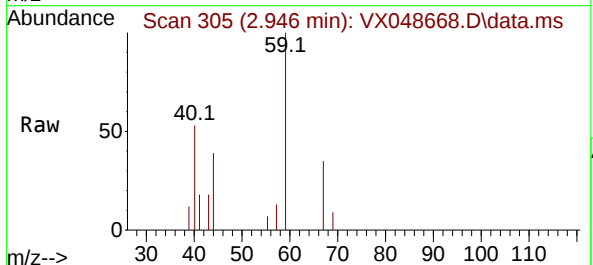
Instrument :
MSVOA_X
ClientSampleId :
VNJ-222

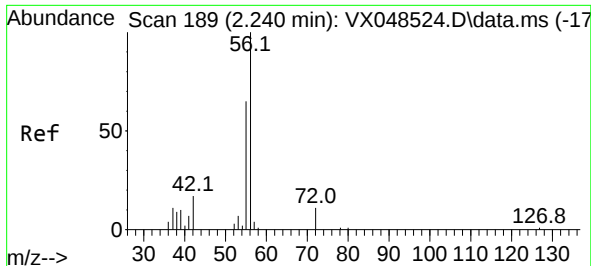
Tgt Ion:168 Resp: 147321
Ion Ratio Lower Upper
168 100
99 61.9 45.2 67.8



#11
Tert butyl alcohol
Concen: 5.802 ug/l
RT: 2.946 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX048668.D
Acq: 24 Nov 2025 16:50

Tgt Ion: 59 Resp: 2257
Ion Ratio Lower Upper
59 100
57 10.7 8.6 13.0

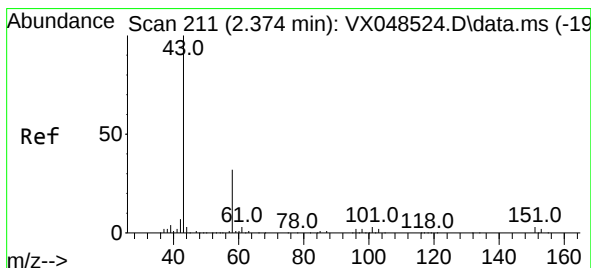
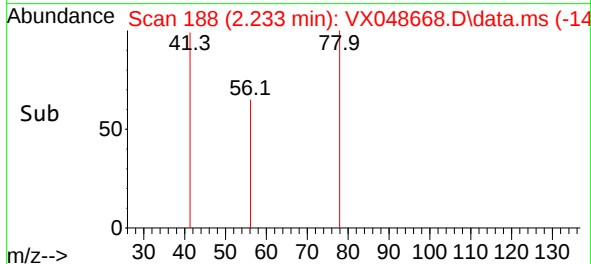
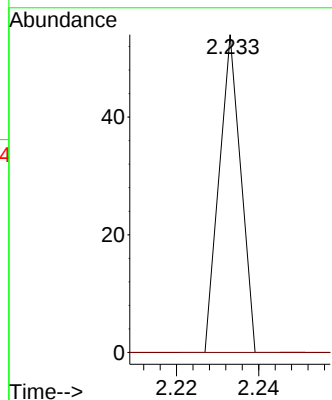
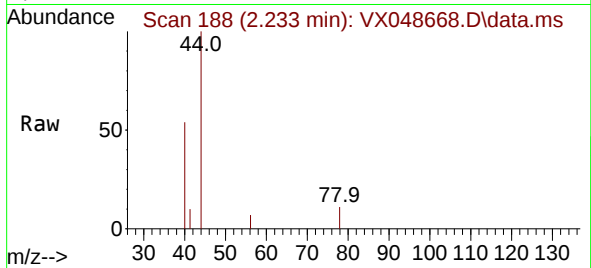




#13
Acrolein
Concen: 0.355 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048668.D
Acq: 24 Nov 2025 16:50

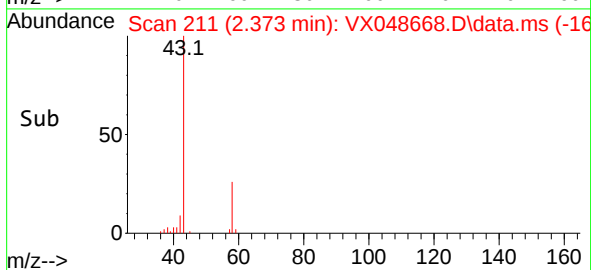
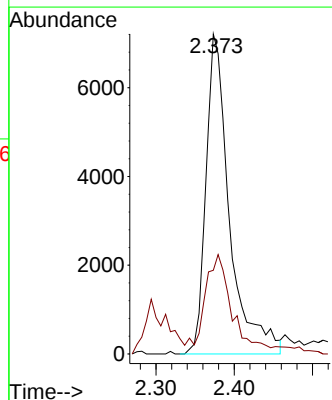
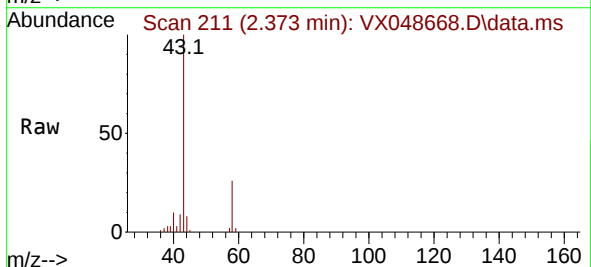
Instrument :
MSVOA_X
ClientSampleId :
VNJ-222

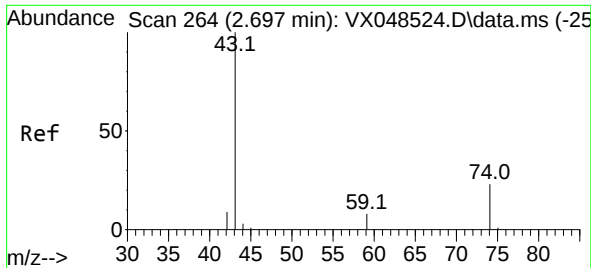
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 54.9 82.3#



#16
Acetone
Concen: 15.467 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048668.D
Acq: 24 Nov 2025 16:50

Tgt Ion: 43 Resp: 15029
Ion Ratio Lower Upper
43 100
58 23.9 25.8 38.6#

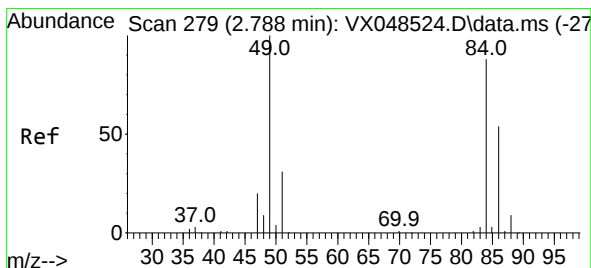
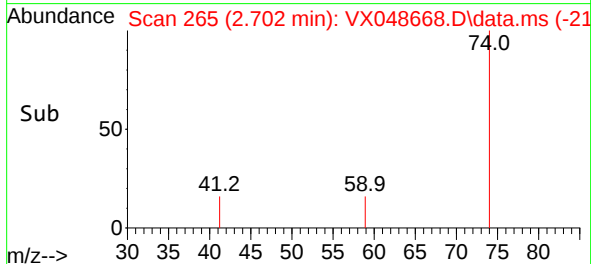
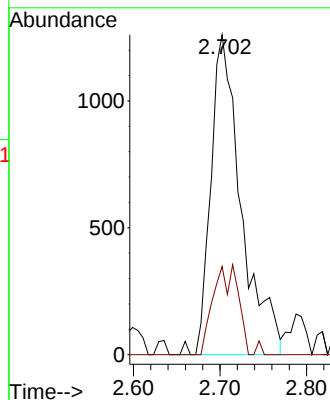
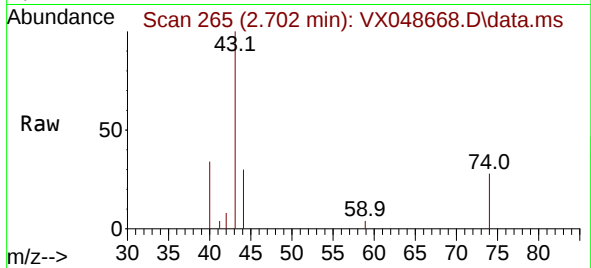




#18
Methyl Acetate
Concen: 1.150 ug/l
RT: 2.702 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX048668.D
Acq: 24 Nov 2025 16:50

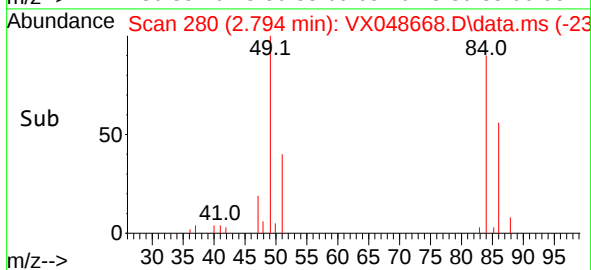
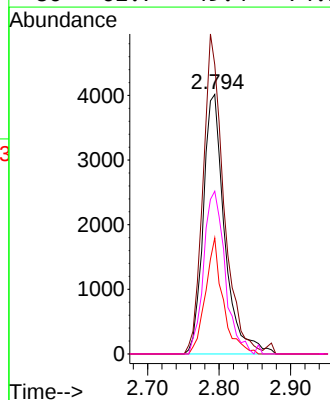
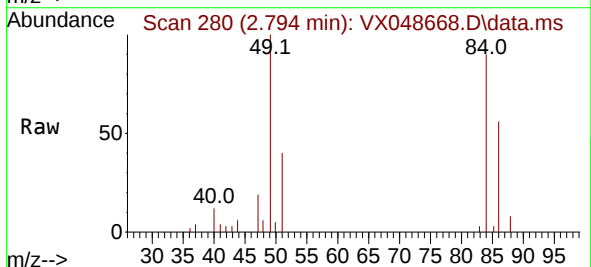
Instrument :
MSVOA_X
ClientSampleId :
VNJ-222

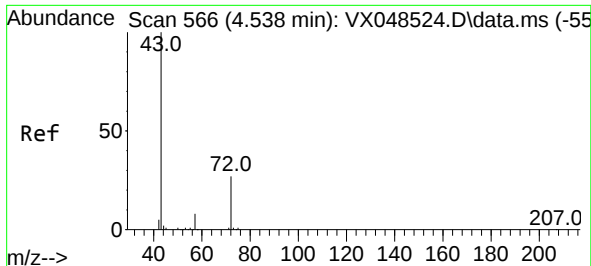
Tgt Ion: 43 Resp: 3072
Ion Ratio Lower Upper
43 100
74 22.9 19.1 28.7



#20
Methylene Chloride
Concen: 4.168 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048668.D
Acq: 24 Nov 2025 16:50

Tgt Ion: 84 Resp: 8327
Ion Ratio Lower Upper
84 100
49 111.4 91.2 136.8
51 44.7 28.3 42.5#
86 62.7 49.4 74.2

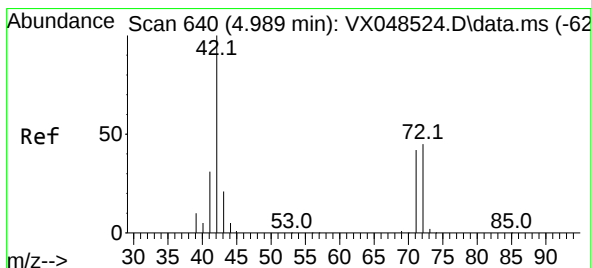
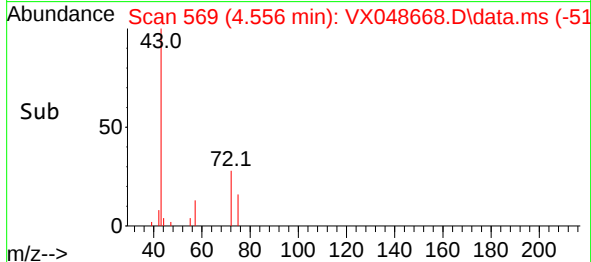
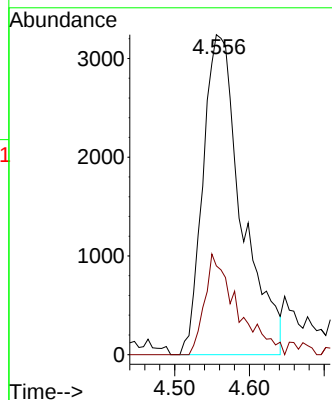
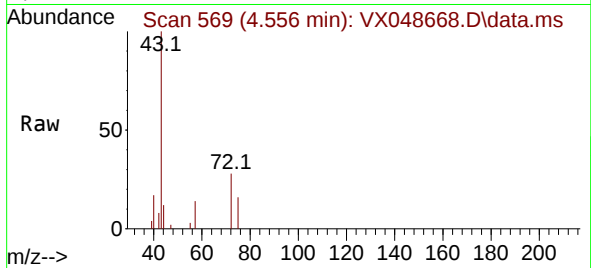




#25
2-Butanone
Concen: 8.108 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.018 min
Lab File: VX048668.D
Acq: 24 Nov 2025 16:50

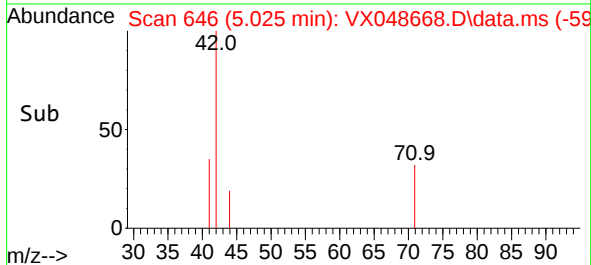
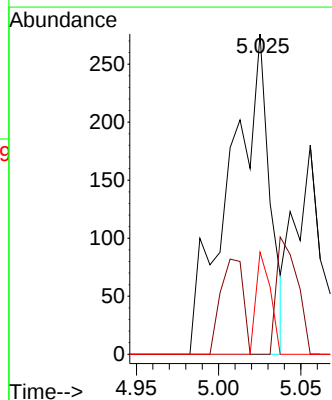
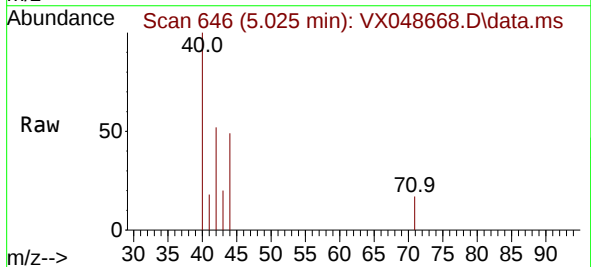
Instrument :
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ClientSampleId :
VNJ-222

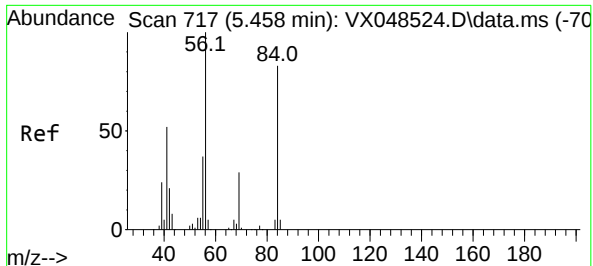
Tgt Ion: 43 Resp: 11655
Ion Ratio Lower Upper
43 100
72 27.7 21.5 32.3



#29
Tetrahydrofuran
Concen: 0.456 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.036 min
Lab File: VX048668.D
Acq: 24 Nov 2025 16:50

Tgt Ion: 42 Resp: 468
Ion Ratio Lower Upper
42 100
72 19.0 36.3 54.5#
71 11.3 34.1 51.1#

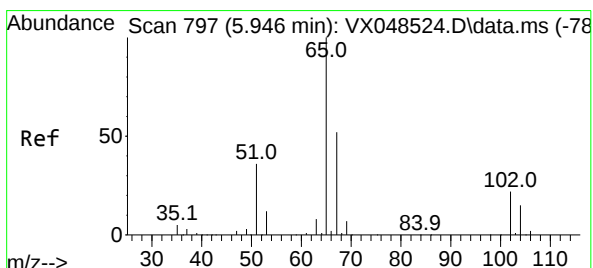
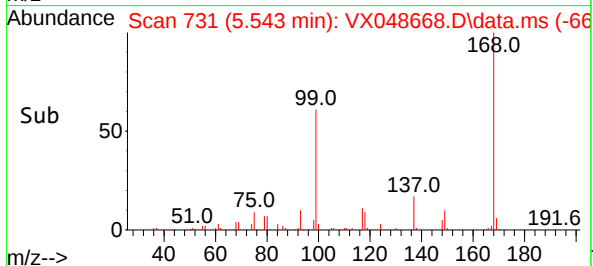
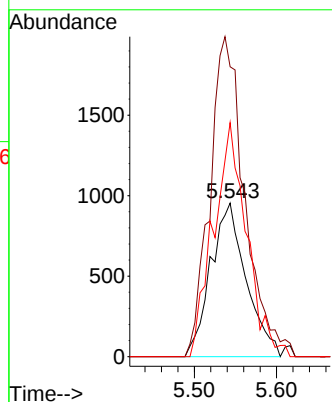
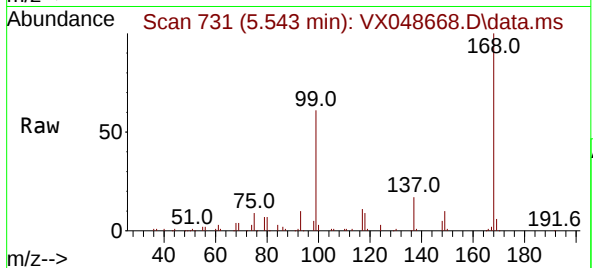




#31
Cyclohexane
Concen: 1.035 ug/l
RT: 5.543 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX048668.D
Acq: 24 Nov 2025 16:50

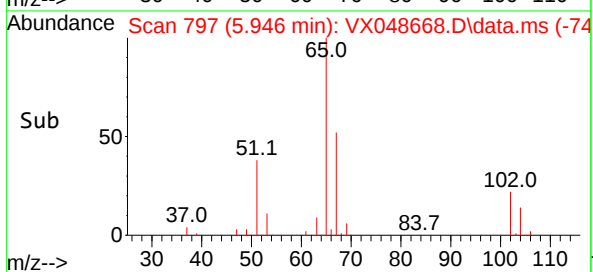
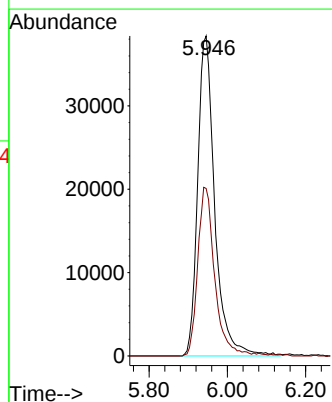
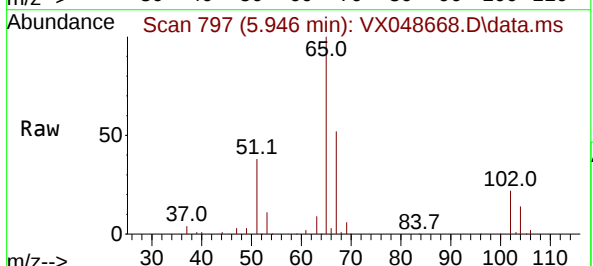
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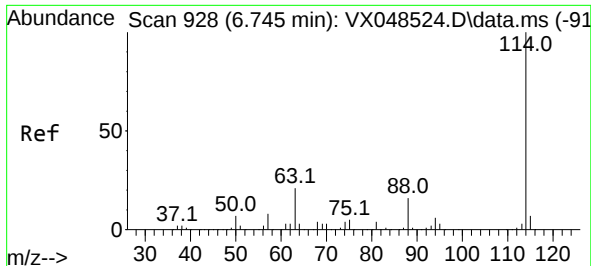
Tgt Ion: 56 Resp: 2854
Ion Ratio Lower Upper
56 100
69 188.8 23.4 35.2#
84 152.4 66.3 99.5#



#33
1,2-Dichloroethane-d4
Concen: 56.703 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX048668.D
Acq: 24 Nov 2025 16:50

Tgt Ion: 65 Resp: 116400
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.2

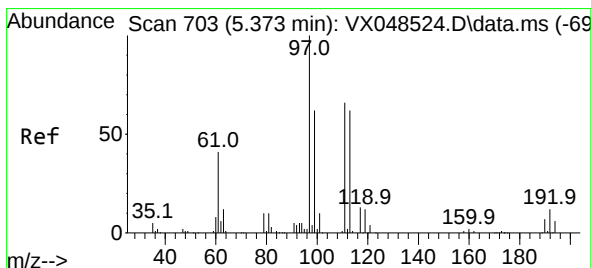
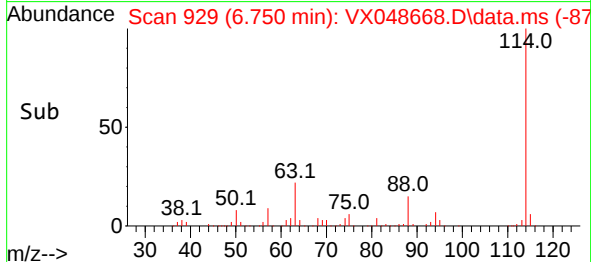
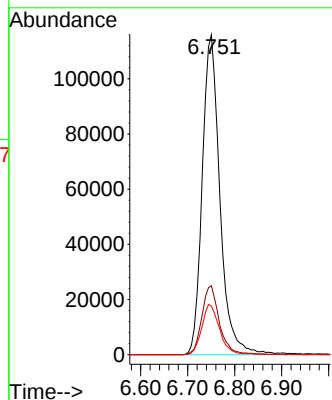
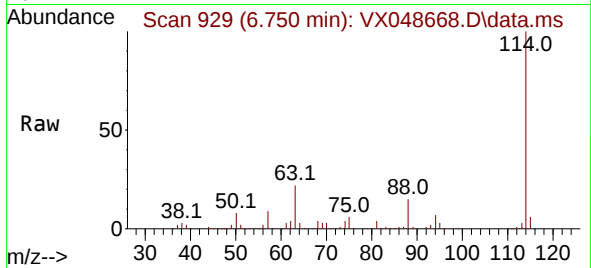




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048668.D
Acq: 24 Nov 2025 16:50

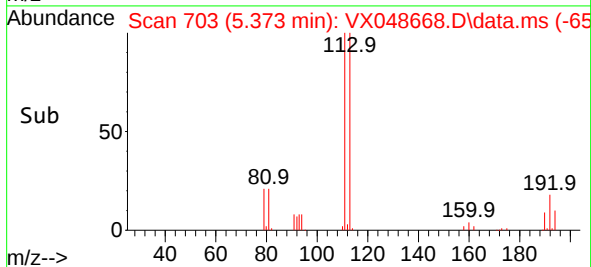
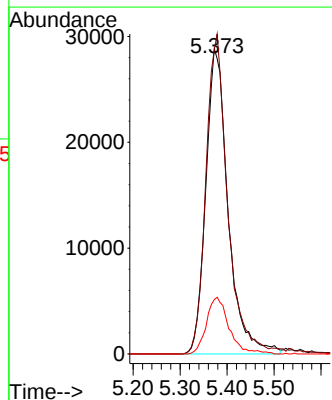
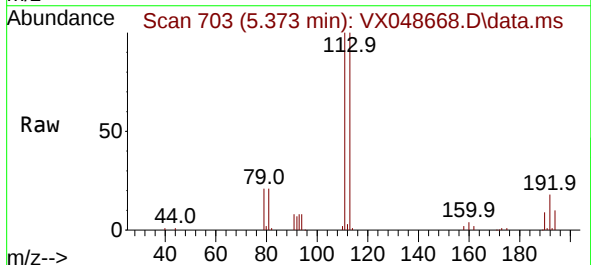
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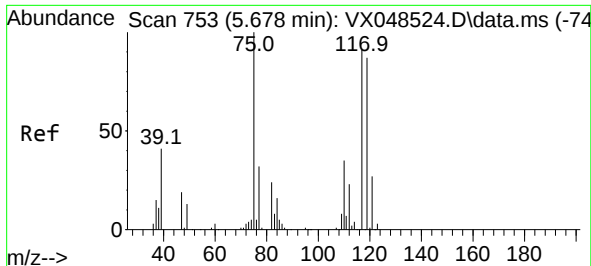
Tgt Ion:114 Resp: 302792
Ion Ratio Lower Upper
114 100
63 21.6 0.0 41.2
88 15.2 0.0 32.2



#35
Dibromofluoromethane
Concen: 41.555 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048668.D
Acq: 24 Nov 2025 16:50

Tgt Ion:113 Resp: 95232
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 18.7 15.8 23.6

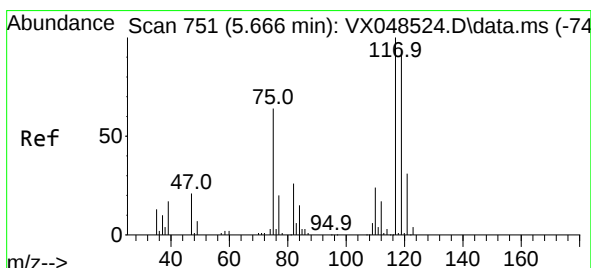
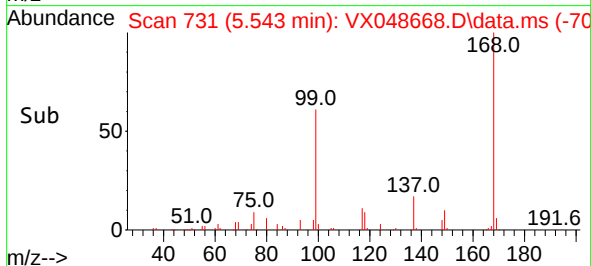
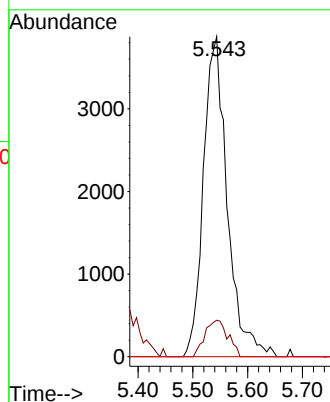
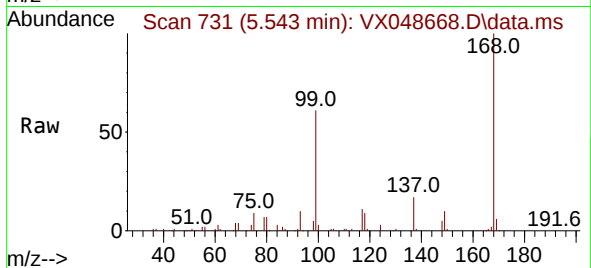




#36
1,1-Dichloropropene
Concen: 3.807 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.135 min
Lab File: VX048668.D
Acq: 24 Nov 2025 16:50

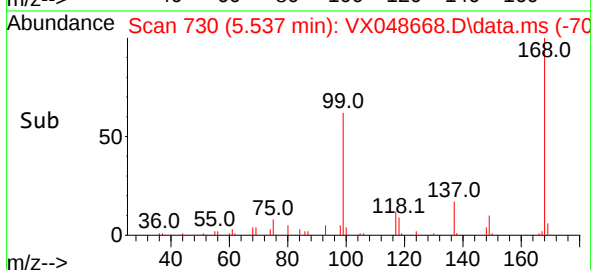
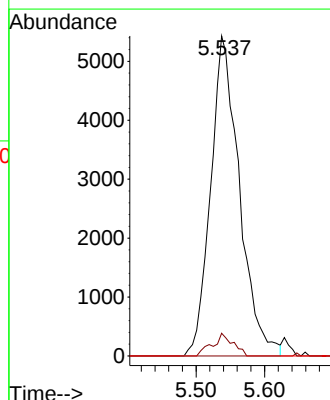
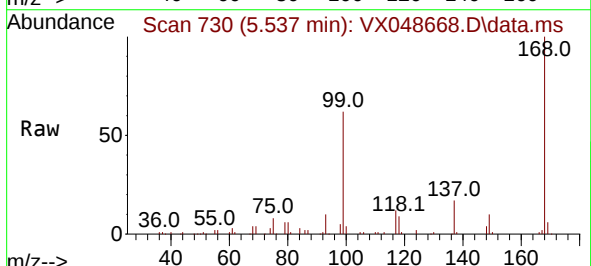
Instrument :
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VNJ-222

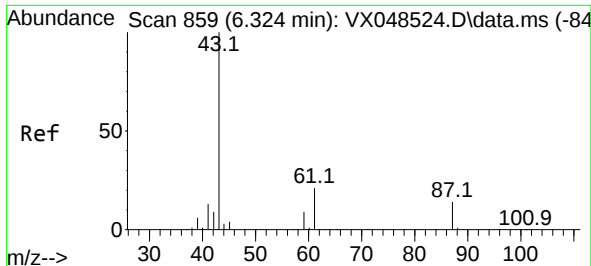
Tgt Ion: 75 Resp: 11683
Ion Ratio Lower Upper
75 100
110 11.0 18.4 55.4#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 4.537 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX048668.D
Acq: 24 Nov 2025 16:50

Tgt Ion: 117 Resp: 15848
Ion Ratio Lower Upper
117 100
119 7.1 74.5 111.7#
121 0.0 24.8 37.2#

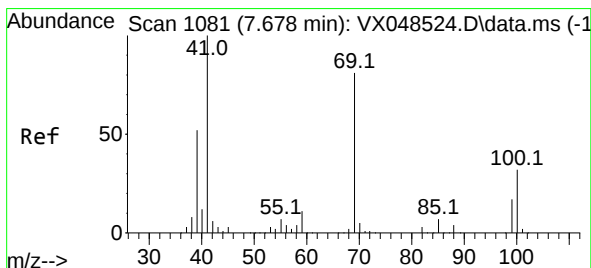
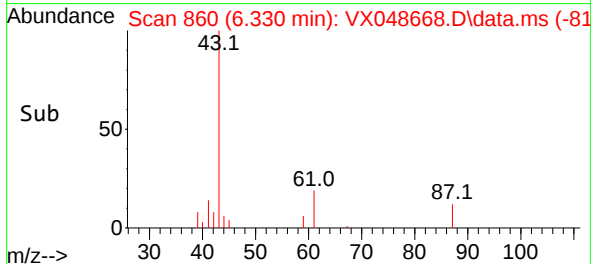
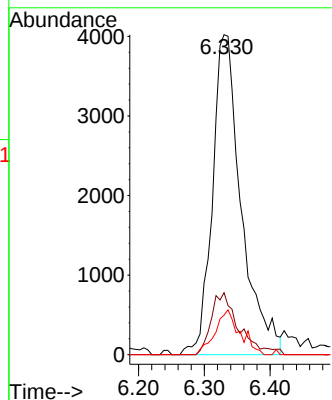
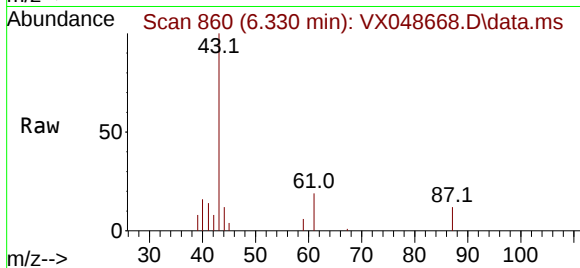




#43
Isopropyl Acetate
Concen: 2.023 ug/l
RT: 6.330 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX048668.D
Acq: 24 Nov 2025 16:50

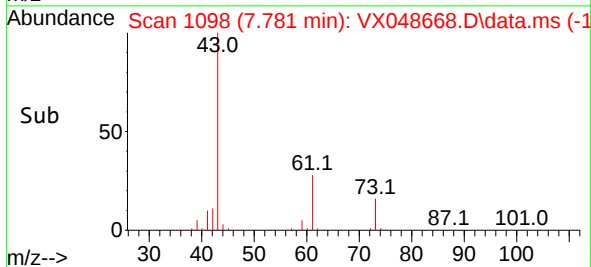
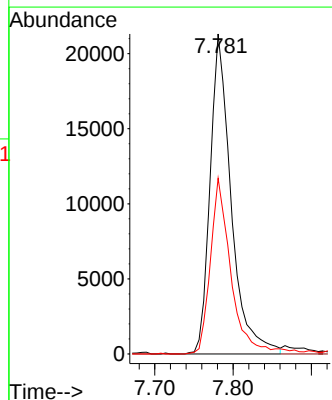
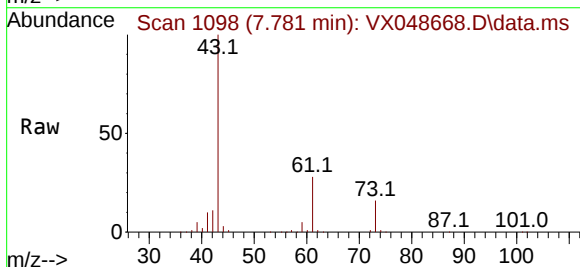
Instrument :
MSVOA_X
ClientSampleId :
VNJ-222

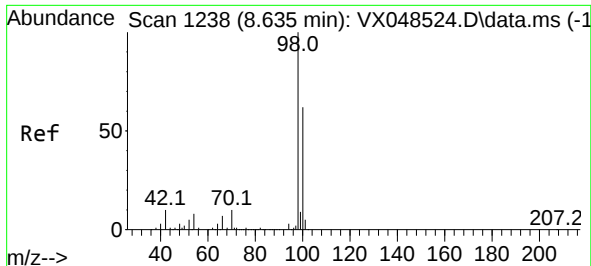
Tgt Ion: 43 Resp: 12285
Ion Ratio Lower Upper
43 100
61 18.6 16.2 24.4
87 12.0 10.9 16.3



#48
Methyl methacrylate
Concen: 14.723 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.103 min
Lab File: VX048668.D
Acq: 24 Nov 2025 16:50

Tgt Ion: 41 Resp: 39741
Ion Ratio Lower Upper
41 100
69 0.0 67.9 101.9#
39 54.1 42.2 63.2

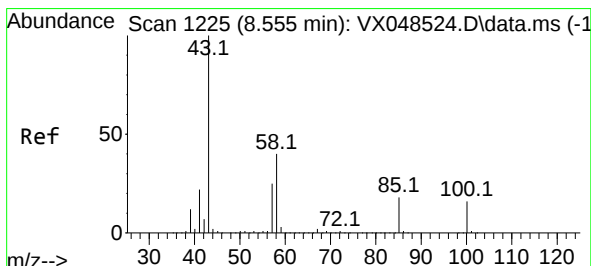
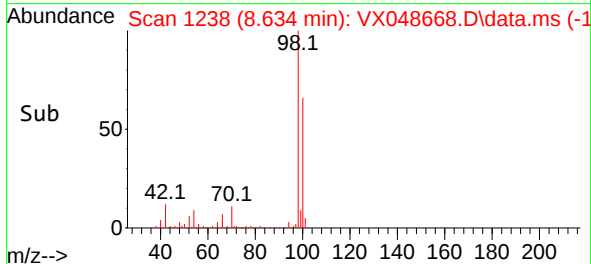
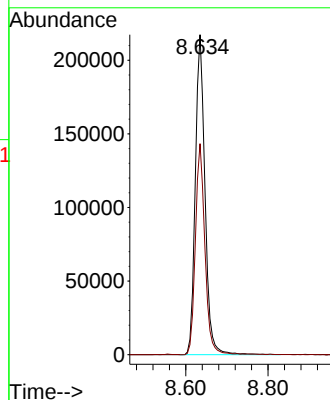
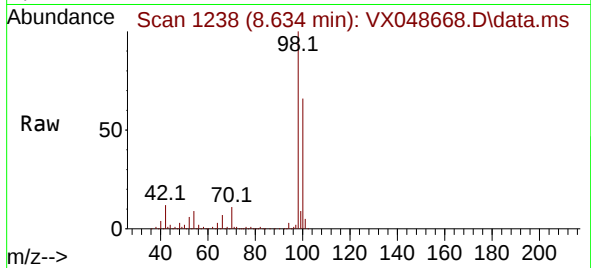




#50
Toluene-d8
Concen: 49.652 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048668.D
Acq: 24 Nov 2025 16:50

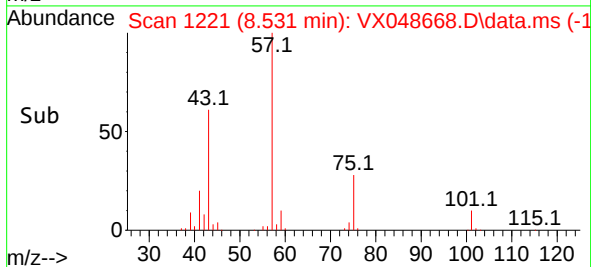
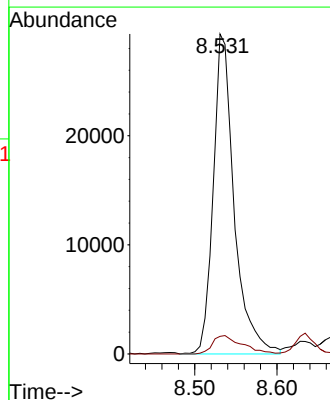
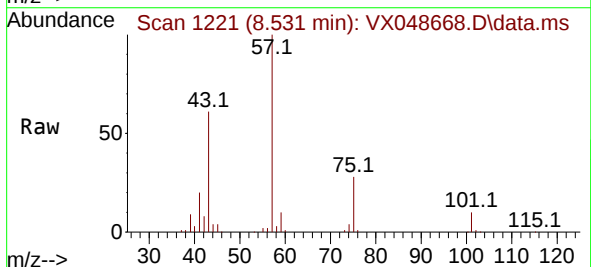
Instrument :
MSVOA_X
ClientSampleId :
VNJ-222

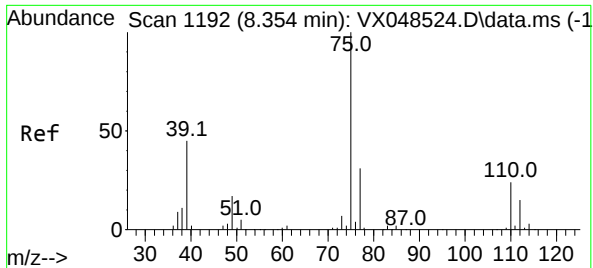
Tgt Ion: 98 Resp: 354888
Ion Ratio Lower Upper
98 100
100 64.9 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 15.009 ug/l
RT: 8.531 min Scan# 1221
Delta R.T. -0.025 min
Lab File: VX048668.D
Acq: 24 Nov 2025 16:50

Tgt Ion: 43 Resp: 51879
Ion Ratio Lower Upper
43 100
58 8.1 32.3 48.5#

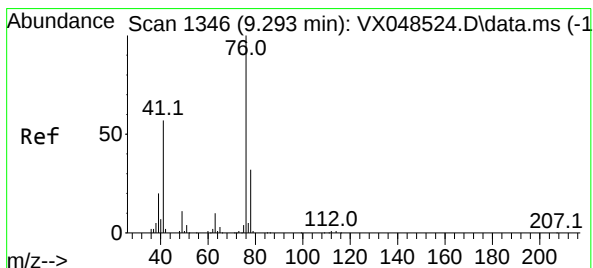
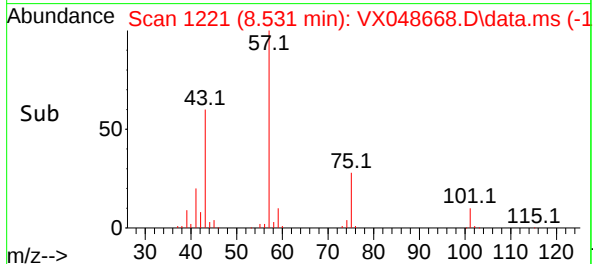
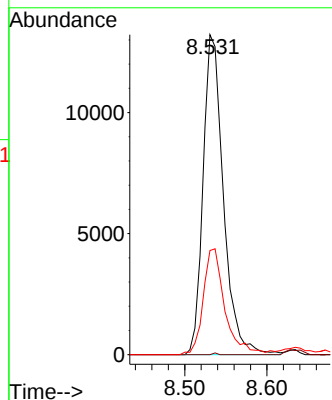
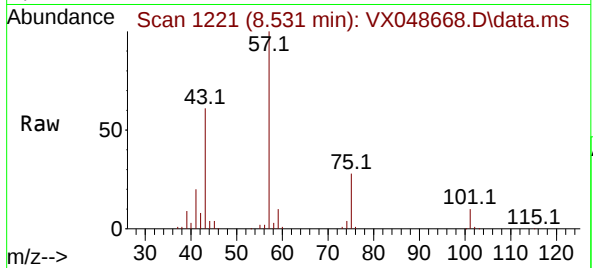




#54
 cis-1,3-Dichloropropene
 Concen: 6.680 ug/l
 RT: 8.531 min Scan# 1192
 Delta R.T. 0.176 min
 Lab File: VX048668.D
 Acq: 24 Nov 2025 16:50

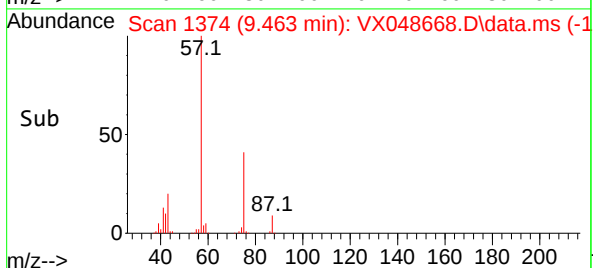
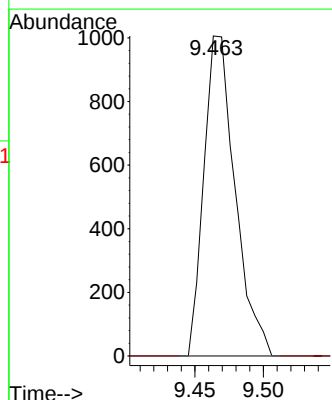
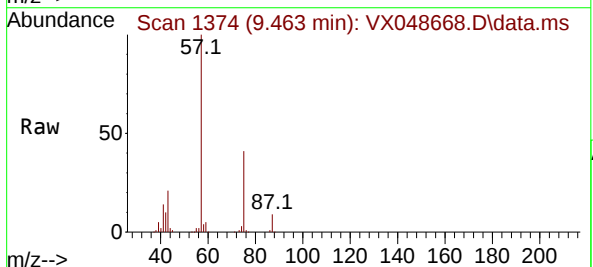
Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-222

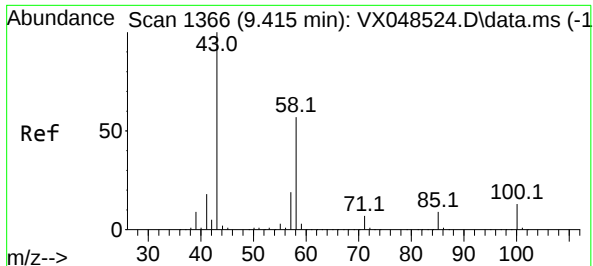
Tgt Ion: 75 Resp: 22681
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.7 37.1#
 39 32.6 36.1 54.1#



#57
 1,3-Dichloropropane
 Concen: 0.459 ug/l
 RT: 9.463 min Scan# 1374
 Delta R.T. 0.170 min
 Lab File: VX048668.D
 Acq: 24 Nov 2025 16:50

Tgt Ion: 76 Resp: 1598
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#





#59

2-Hexanone

Concen: 1.890 ug/l

RT: 9.421 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX048668.D

Acq: 24 Nov 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

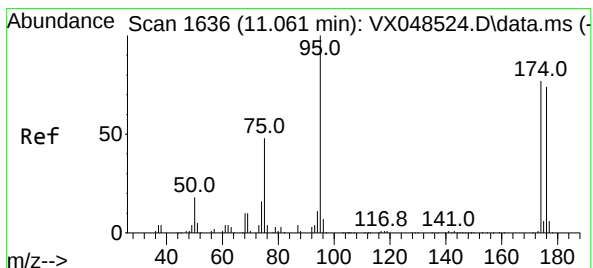
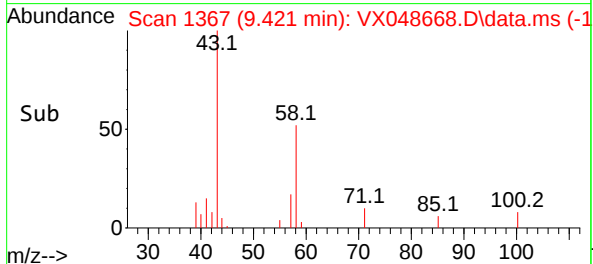
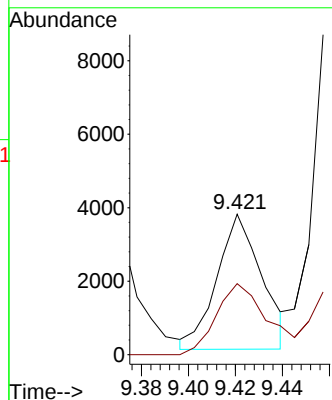
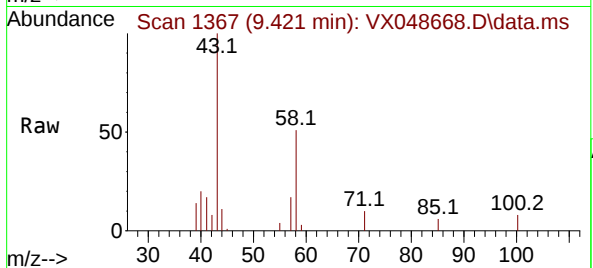
VNJ-222

Tgt Ion: 43 Resp: 4860

Ion Ratio Lower Upper

43 100

58 60.2 28.1 84.2



#62

4-Bromofluorobenzene

Concen: 57.866 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048668.D

Acq: 24 Nov 2025 16:50

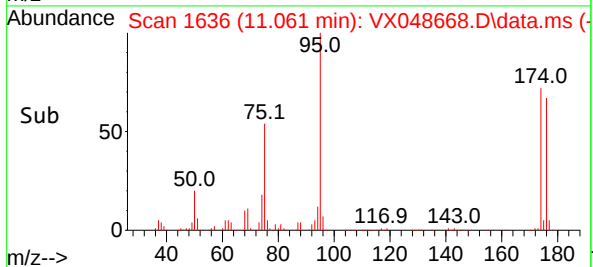
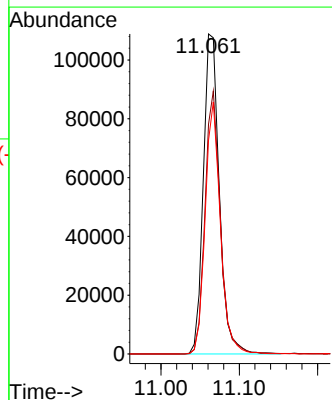
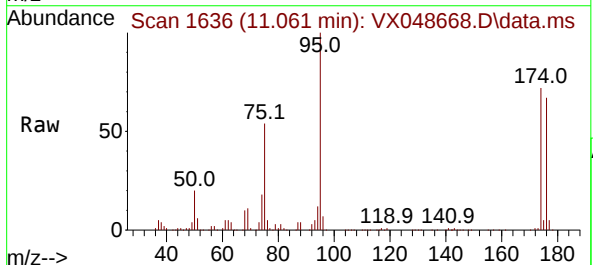
Tgt Ion: 95 Resp: 154133

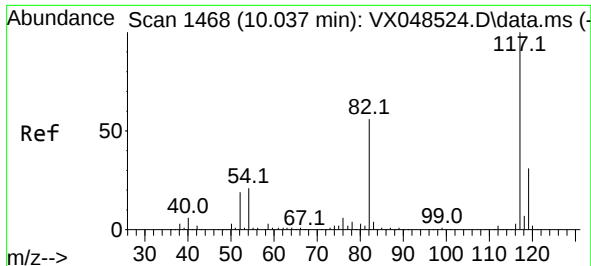
Ion Ratio Lower Upper

95 100

174 79.5 0.0 161.8

176 75.1 0.0 153.6

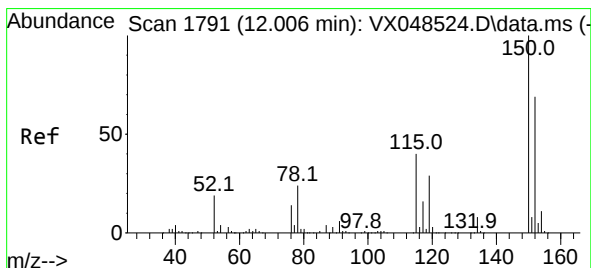
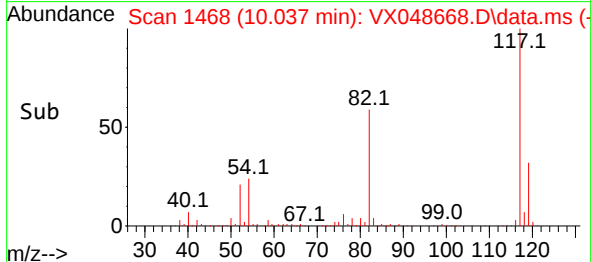
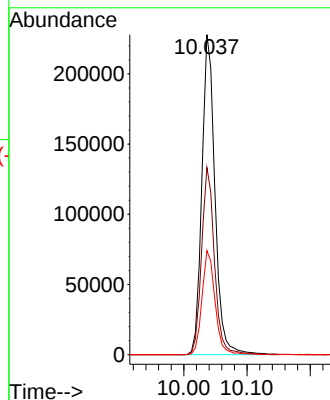
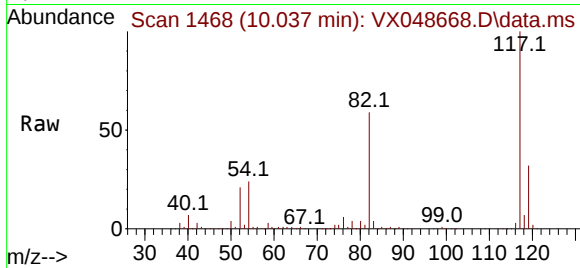




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048668.D
Acq: 24 Nov 2025 16:50

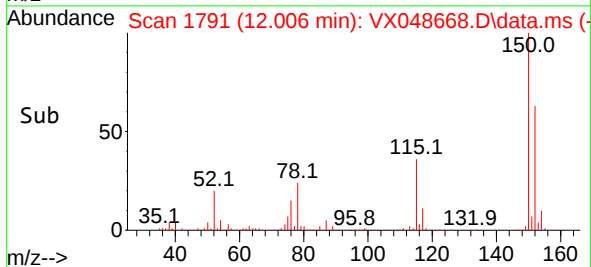
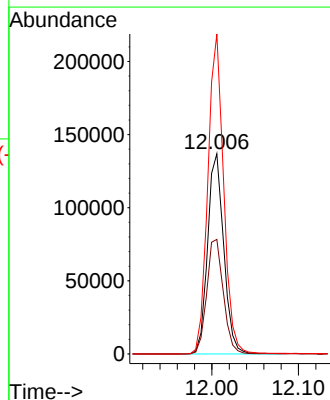
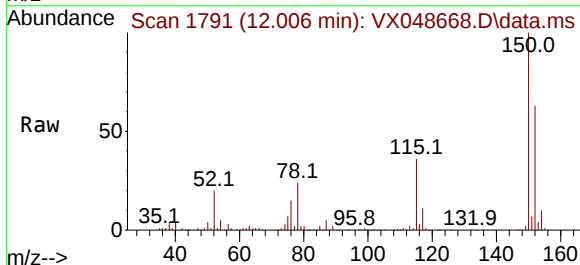
Instrument :
MSVOA_X
ClientSampleId :
VNJ-222

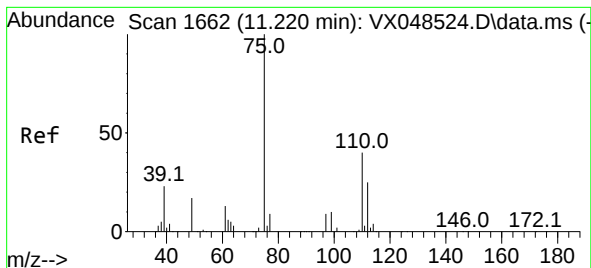
Tgt Ion:117 Resp: 329711
Ion Ratio Lower Upper
117 100
82 58.5 44.4 66.6
119 32.5 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048668.D
Acq: 24 Nov 2025 16:50

Tgt Ion:152 Resp: 177161
Ion Ratio Lower Upper
152 100
115 59.0 39.2 117.6
150 156.7 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 18.845 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX048668.D

Acq: 24 Nov 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

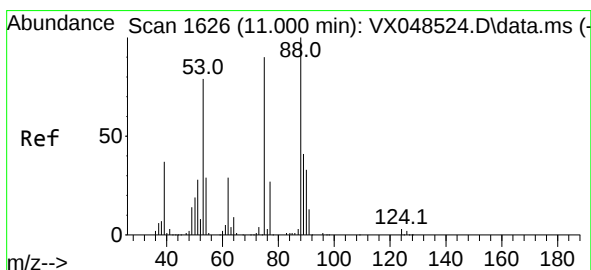
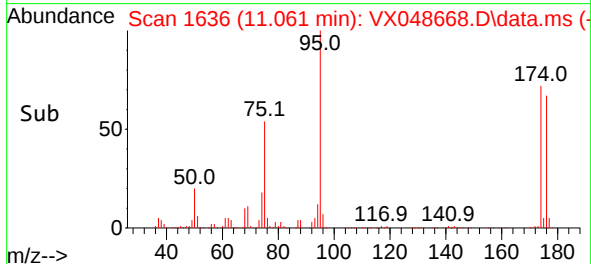
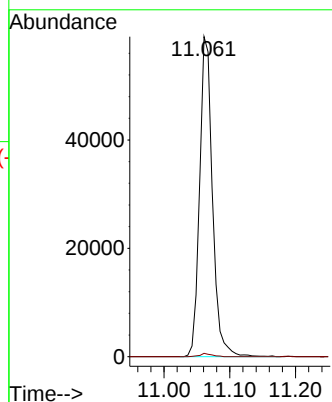
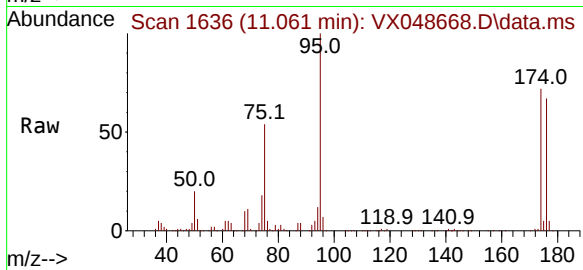
VNJ-222

Tgt Ion: 75 Resp: 80430

Ion Ratio Lower Upper

75 100

77 0.9 24.3 72.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.902 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX048668.D

Acq: 24 Nov 2025 16:50

Tgt Ion: 75 Resp: 80430

Ion Ratio Lower Upper

75 100

53 0.1 72.4 108.6#

89 0.0 43.6 65.4#

