

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080425\
 Data File : VX047224.D
 Acq On : 04 Aug 2025 13:20
 Operator : JC/MD
 Sample : Q2734-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-253

Quant Time: Aug 05 02:58:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

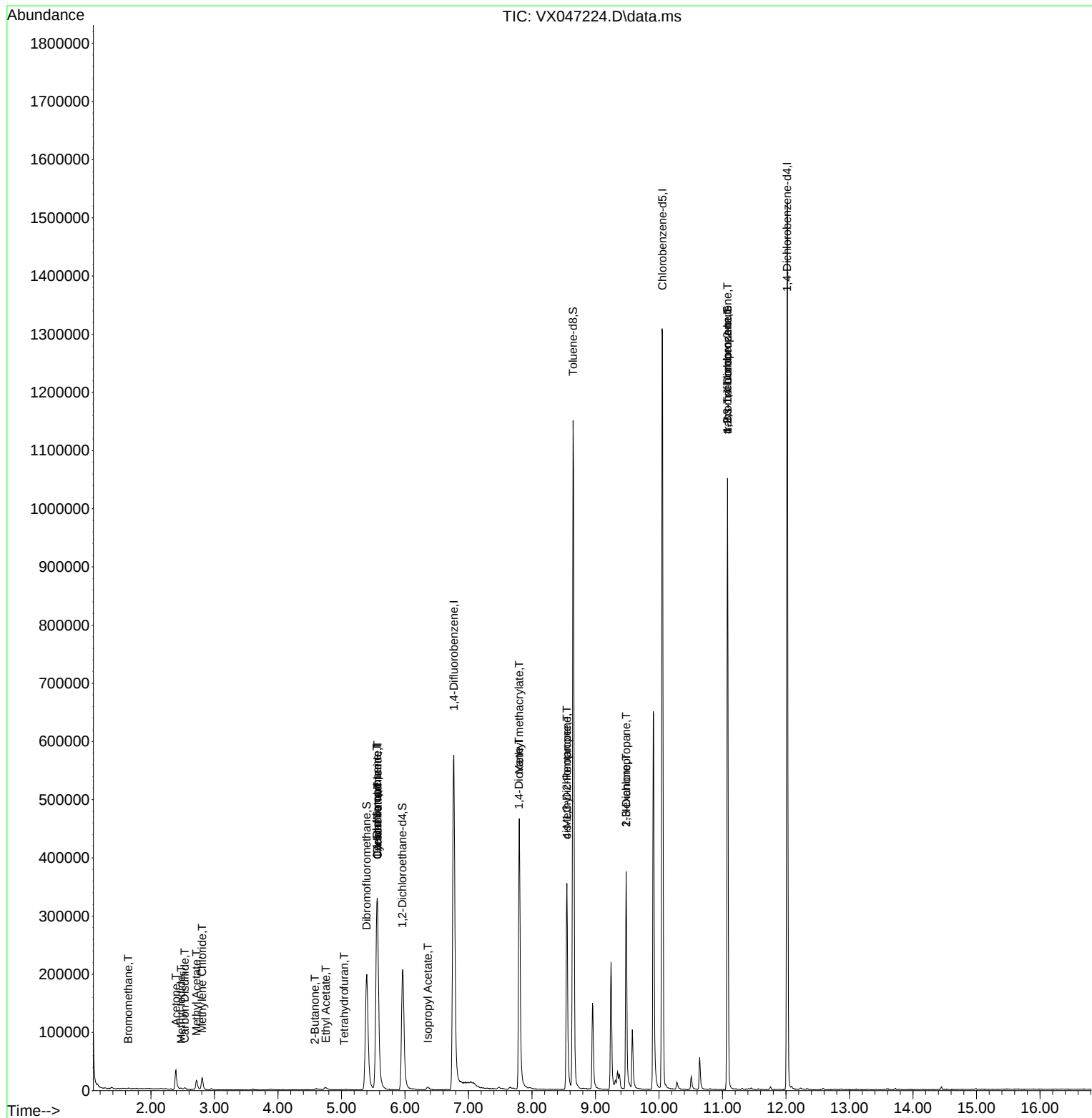
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	328816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	618957	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	587928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	294593	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	222623	54.351	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.700%	
35) Dibromofluoromethane	5.398	113	186855	48.894	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.780%	
50) Toluene-d8	8.647	98	689769	55.733	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 111.460%	
62) 4-Bromofluorobenzene	11.079	95	278279	52.176	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.360%	
Target Compounds						Qvalue
5) Bromomethane	1.642	94	559	0.222	ug/l	97
10) Methyl Iodide	2.477	142	2426	0.571	ug/l #	95
11) Tert butyl alcohol	2.947	59	411	Below Cal	#	72
16) Acetone	2.392	43	43211	26.334	ug/l	97
17) Carbon Disulfide	2.532	76	3053	0.255	ug/l	96
18) Methyl Acetate	2.715	43	22995	5.273	ug/l	96
20) Methylene Chloride	2.807	84	10299	2.281	ug/l #	88
25) 2-Butanone	4.581	43	1381	0.578	ug/l #	67
29) Tetrahydrofuran	5.044	42	417	0.271	ug/l #	39
31) Cyclohexane	5.568	56	7378	0.964	ug/l #	18
36) 1,1-Dichloropropene	5.556	75	27863	4.277	ug/l #	51
37) Ethyl Acetate	4.751	43	6906	1.150	ug/l #	90
38) Carbon Tetrachloride	5.568	117	36020	5.181	ug/l #	16
43) Isopropyl Acetate	6.361	43	8419	0.900	ug/l #	92
48) Methyl methacrylate	7.800	41	45884	9.001	ug/l #	46
49) 1,4-Dioxane	7.793	88	56	0.966	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	134292	24.143	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	59223	8.130	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	3391	0.449	ug/l #	43
59) 2-Hexanone	9.482	43	48074	13.082	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	146607	26.887	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	146607	69.271	ug/l #	8

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

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Instrument :
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ClientSampleId :
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Quant Time: Aug 05 02:58:12 2025
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Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

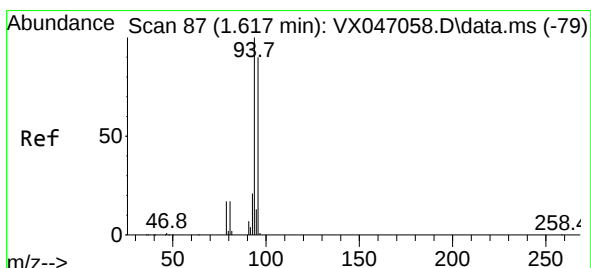
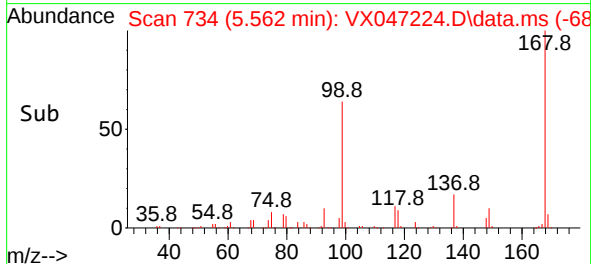
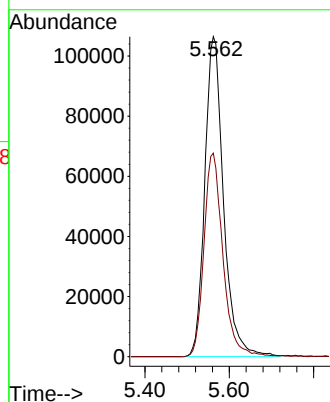
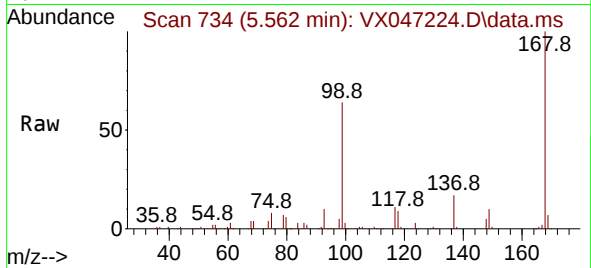




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047224.D
Acq: 04 Aug 2025 13:20

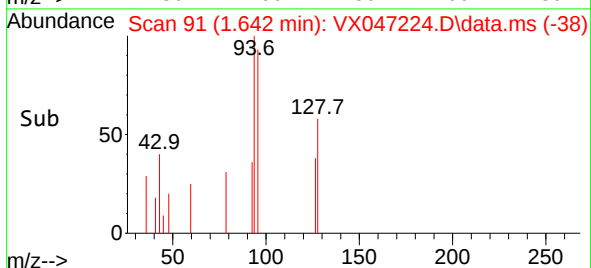
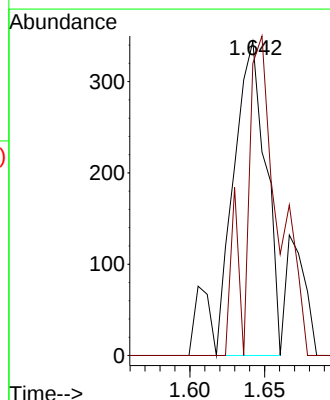
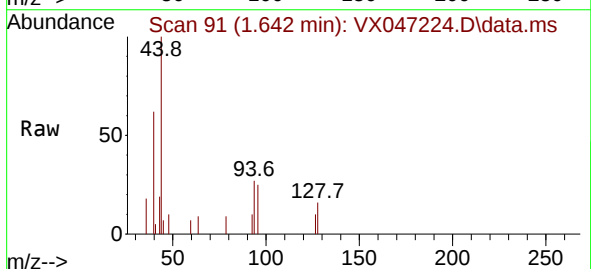
Instrument :
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ClientSampleId :
VNJ-253

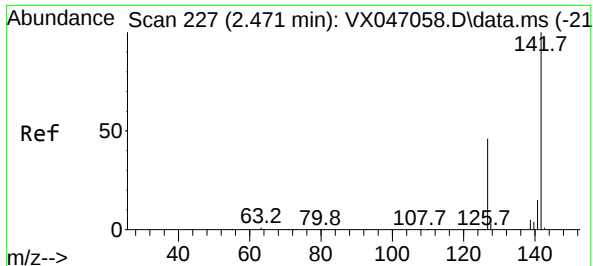
Tgt Ion:168 Resp: 328816
Ion Ratio Lower Upper
168 100
99 63.6 48.0 72.0



#5
Bromomethane
Concen: 0.222 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.025 min
Lab File: VX047224.D
Acq: 04 Aug 2025 13:20

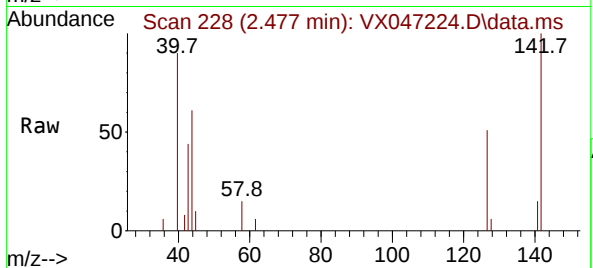
Tgt Ion: 94 Resp: 559
Ion Ratio Lower Upper
94 100
96 93.0 72.3 108.5



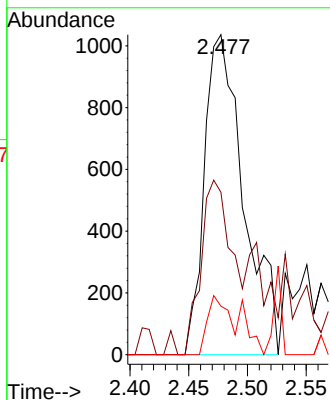
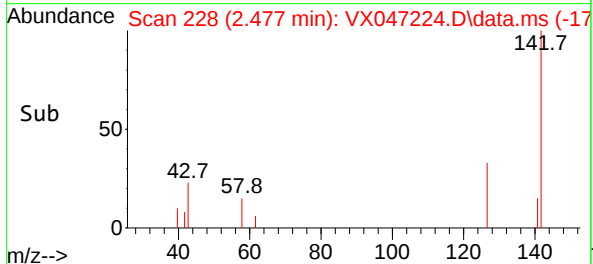


#10
Methyl Iodide
Concen: 0.571 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX047224.D
Acq: 04 Aug 2025 13:20

Instrument :
MSVOA_X
ClientSampleId :
VNJ-253

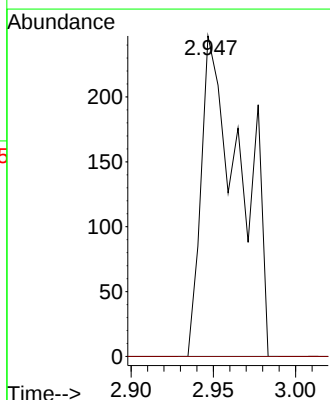
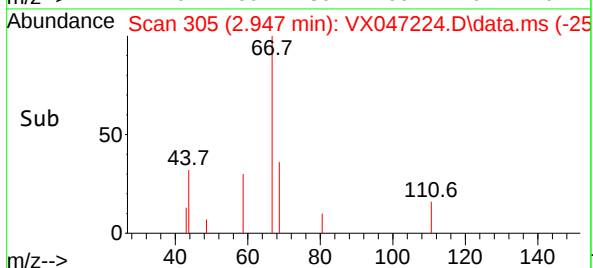
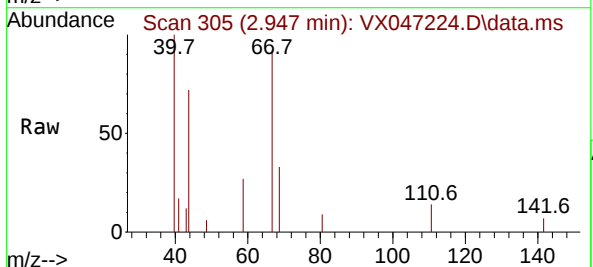


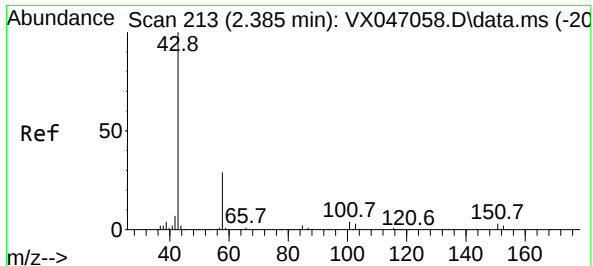
Tgt Ion:142 Resp: 2426
Ion Ratio Lower Upper
142 100
127 43.1 36.6 54.8
141 10.0 10.9 16.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.011 min
Lab File: VX047224.D
Acq: 04 Aug 2025 13:20

Tgt Ion: 59 Resp: 411
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

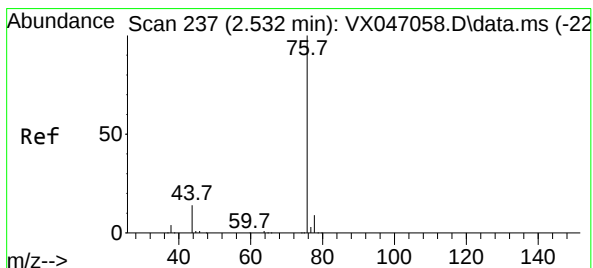
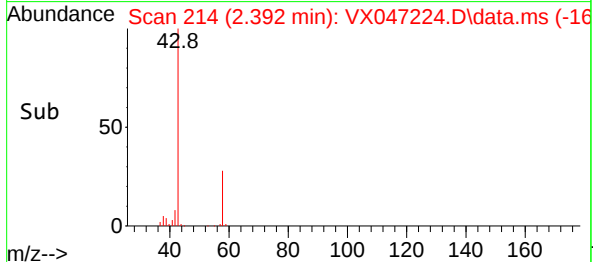
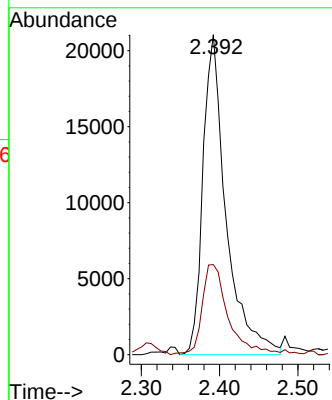
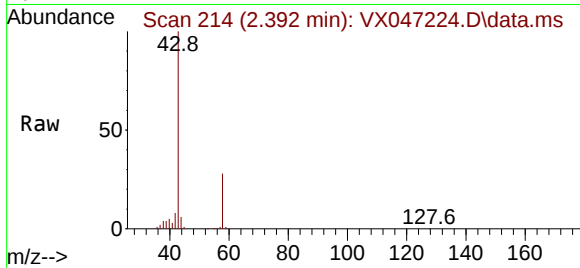




#16
Acetone
Concen: 26.334 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.007 min
Lab File: VX047224.D
Acq: 04 Aug 2025 13:20

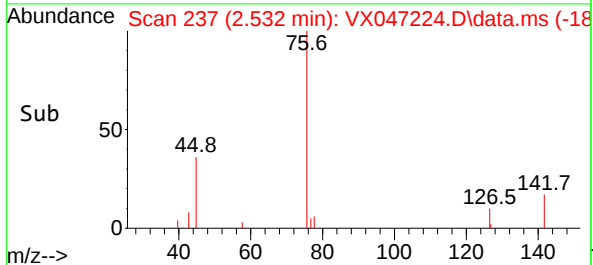
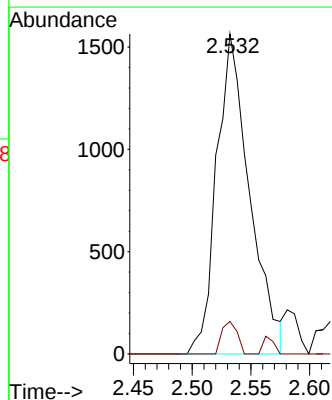
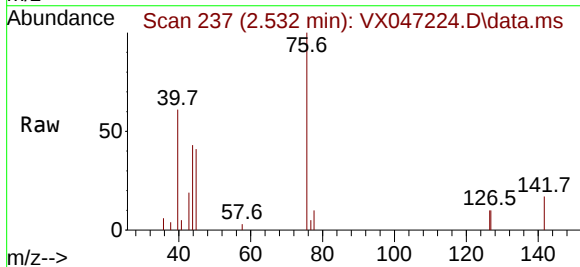
Instrument :
MSVOA_X
ClientSampleId :
VNJ-253

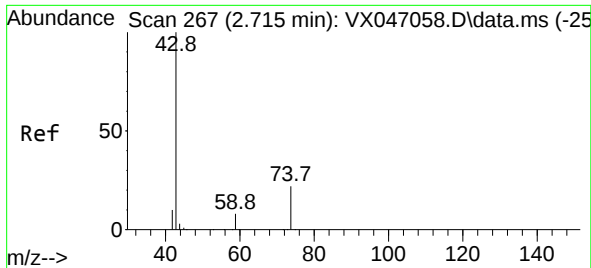
Tgt Ion: 43 Resp: 43211
Ion Ratio Lower Upper
43 100
58 28.2 24.0 36.0



#17
Carbon Disulfide
Concen: 0.255 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.001 min
Lab File: VX047224.D
Acq: 04 Aug 2025 13:20

Tgt Ion: 76 Resp: 3053
Ion Ratio Lower Upper
76 100
78 10.2 7.0 10.4

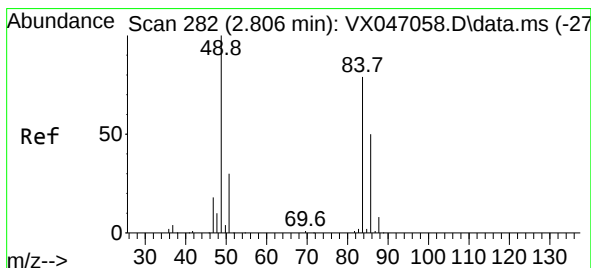
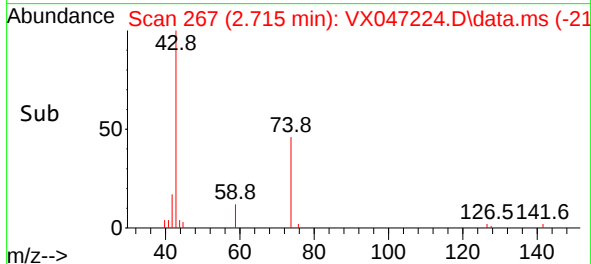
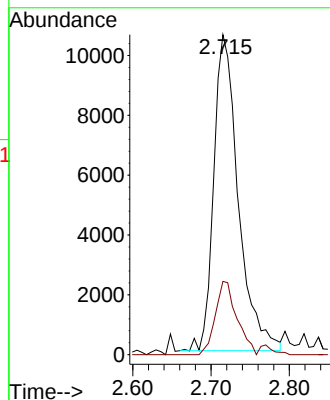
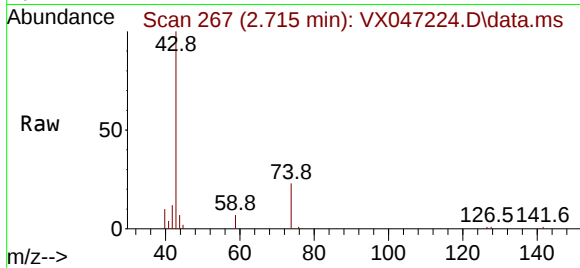




#18
Methyl Acetate
Concen: 5.273 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.001 min
Lab File: VX047224.D
Acq: 04 Aug 2025 13:20

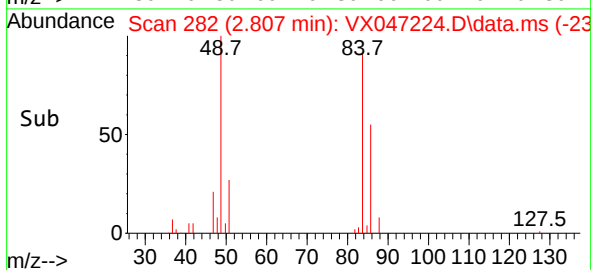
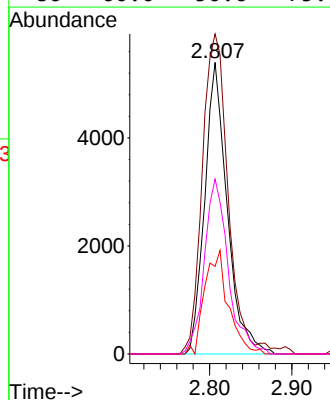
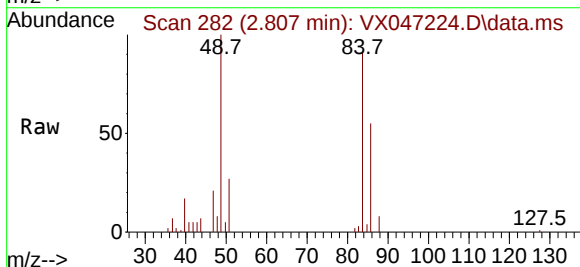
Instrument :
MSVOA_X
ClientSampleId :
VNJ-253

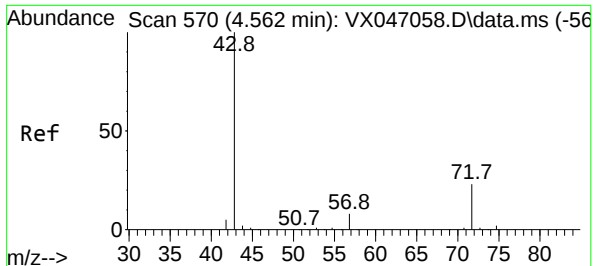
Tgt Ion: 43 Resp: 22995
Ion Ratio Lower Upper
43 100
74 20.3 17.7 26.5



#20
Methylene Chloride
Concen: 2.281 ug/l
RT: 2.807 min Scan# 282
Delta R.T. 0.001 min
Lab File: VX047224.D
Acq: 04 Aug 2025 13:20

Tgt Ion: 84 Resp: 10299
Ion Ratio Lower Upper
84 100
49 109.8 101.6 152.4
51 30.0 30.3 45.5#
86 60.0 50.6 75.8

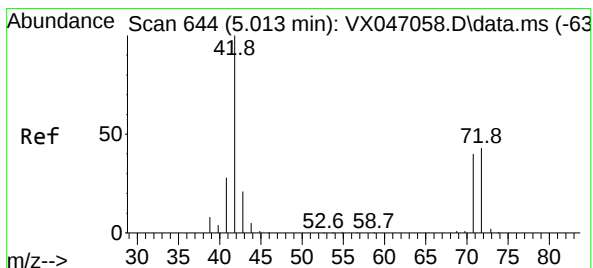
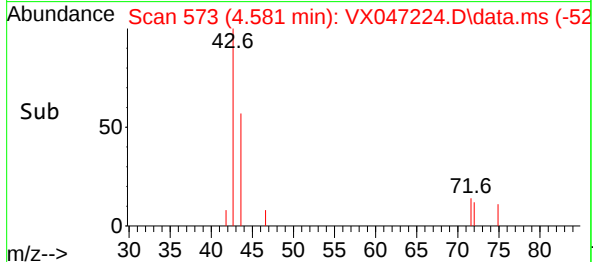
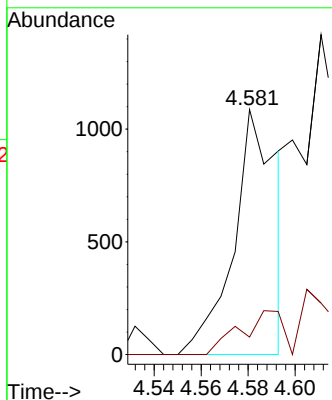
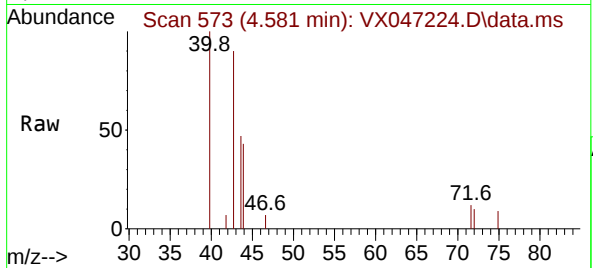




#25
2-Butanone
Concen: 0.578 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX047224.D
Acq: 04 Aug 2025 13:20

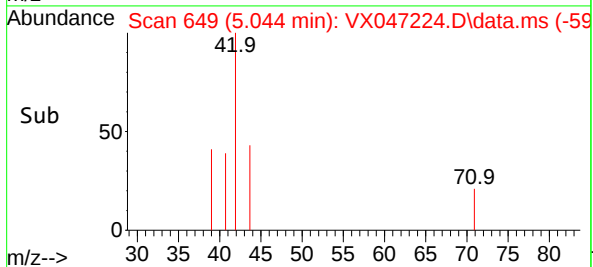
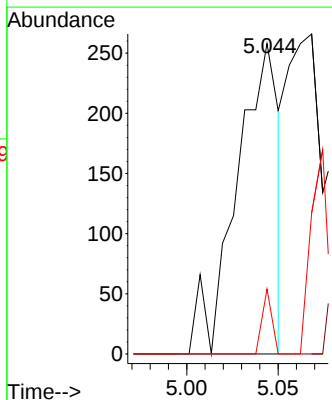
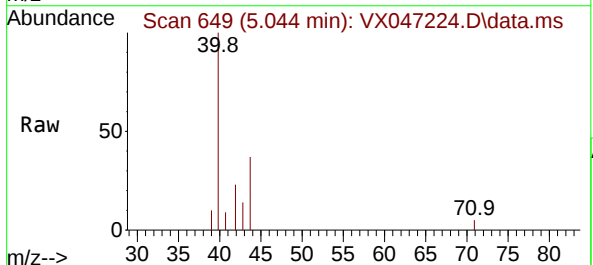
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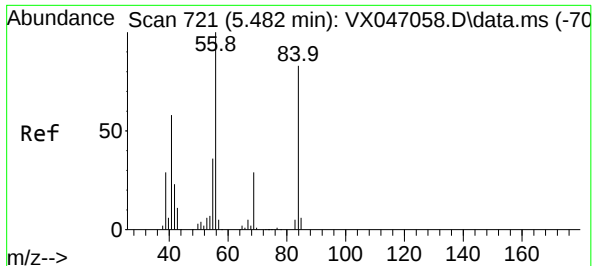
Tgt Ion: 43 Resp: 1381
Ion Ratio Lower Upper
43 100
72 7.2 18.8 28.2#



#29
Tetrahydrofuran
Concen: 0.271 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.031 min
Lab File: VX047224.D
Acq: 04 Aug 2025 13:20

Tgt Ion: 42 Resp: 417
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 4.8 31.0 46.4#

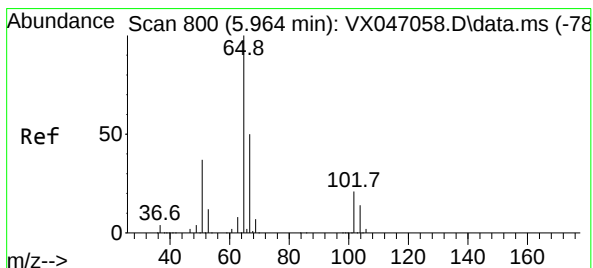
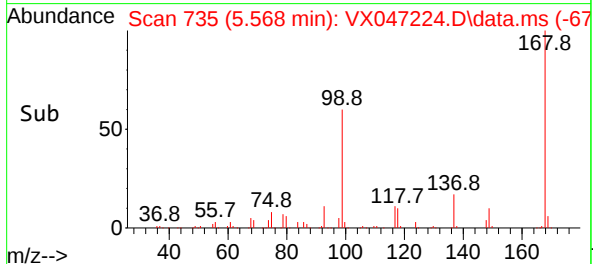
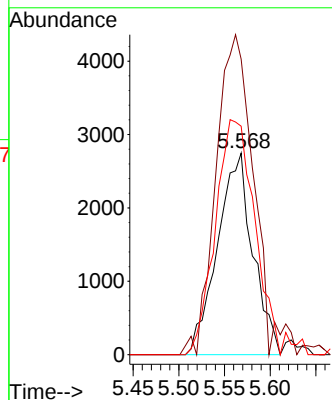
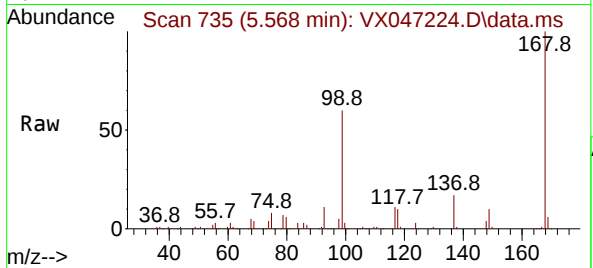




#31
Cyclohexane
Concen: 0.964 ug/l
RT: 5.568 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX047224.D
Acq: 04 Aug 2025 13:20

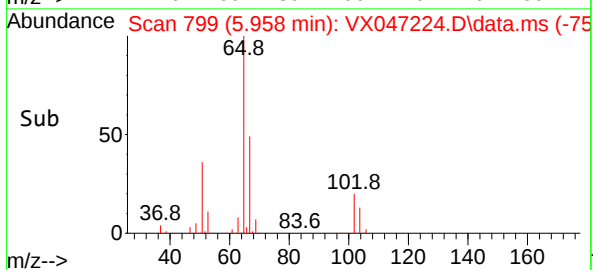
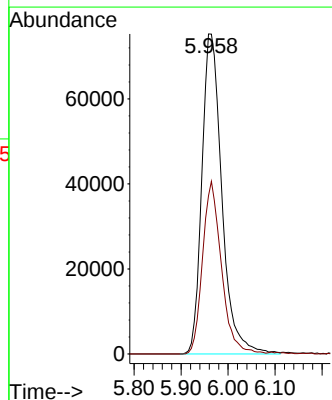
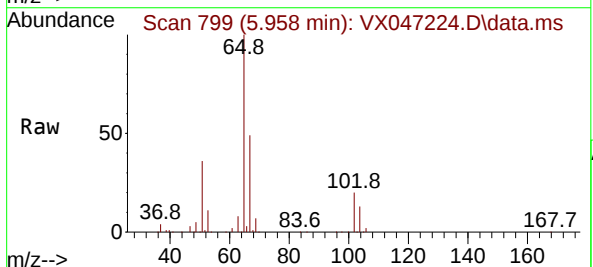
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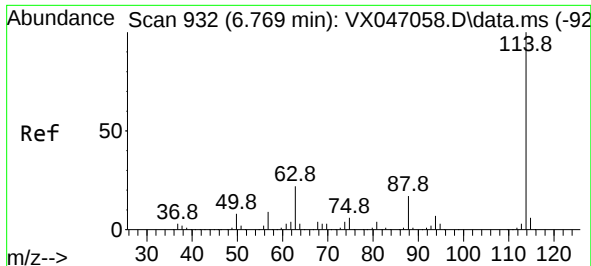
Tgt Ion: 56 Resp: 7378
Ion Ratio Lower Upper
56 100
69 146.6 23.3 34.9#
84 113.3 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 54.351 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX047224.D
Acq: 04 Aug 2025 13:20

Tgt Ion: 65 Resp: 222623
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.8

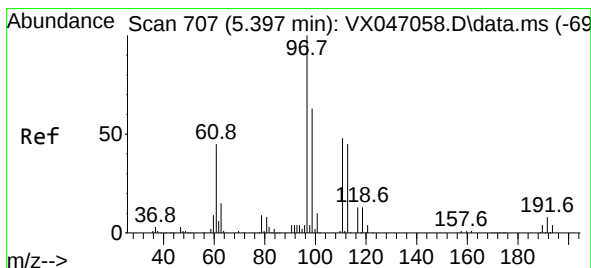
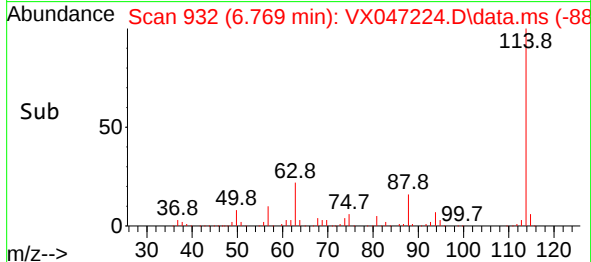
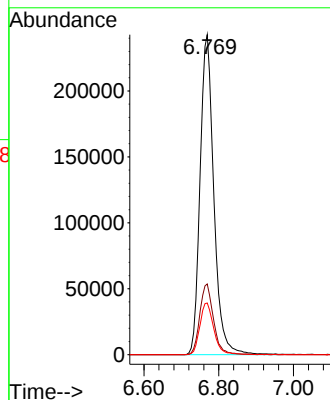
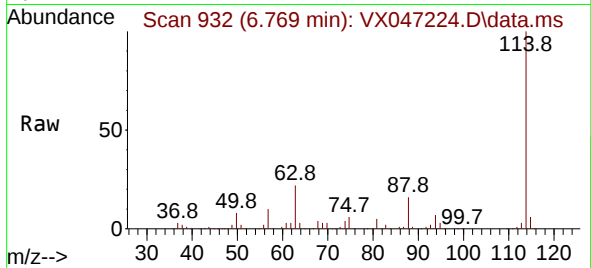




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 911
 Delta R.T. 0.001 min
 Lab File: VX047224.D
 Acq: 04 Aug 2025 13:20

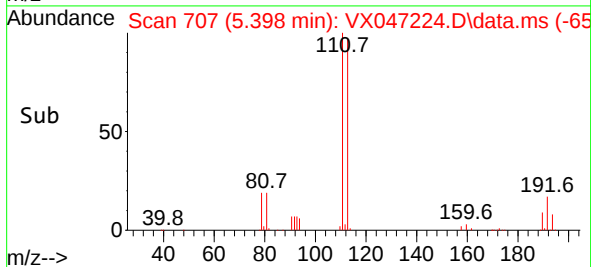
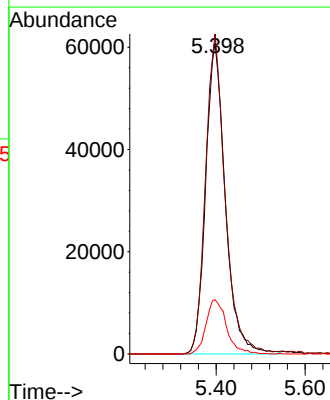
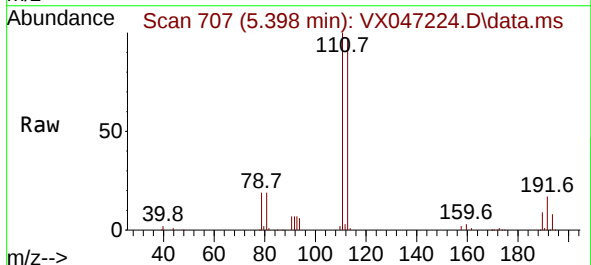
Instrument :
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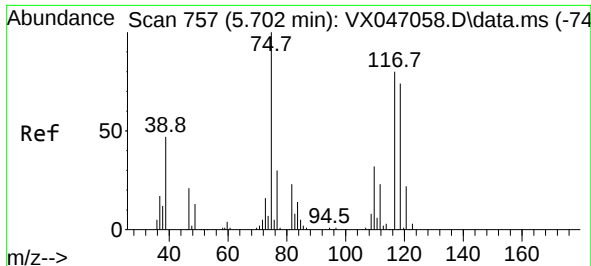
Tgt Ion:114 Resp: 618957
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.2
 88 16.2 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 48.894 ug/l
 RT: 5.398 min Scan# 707
 Delta R.T. 0.001 min
 Lab File: VX047224.D
 Acq: 04 Aug 2025 13:20

Tgt Ion:113 Resp: 186855
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.6 124.0
 192 18.3 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.277 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX047224.D

Acq: 04 Aug 2025 13:20

Instrument :

MSVOA_X

ClientSampleId :

VNJ-253

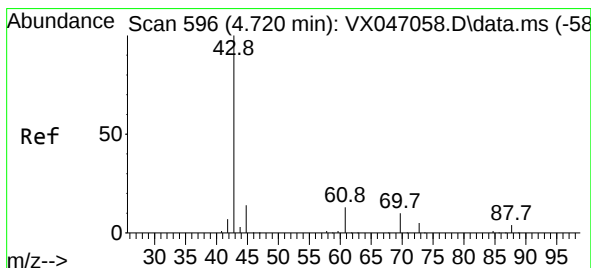
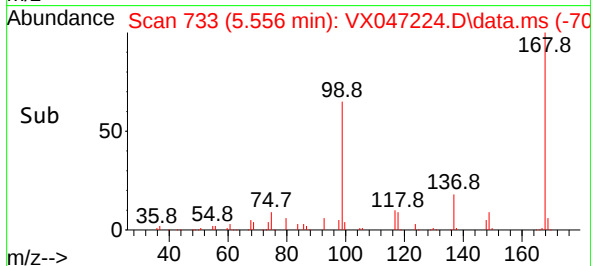
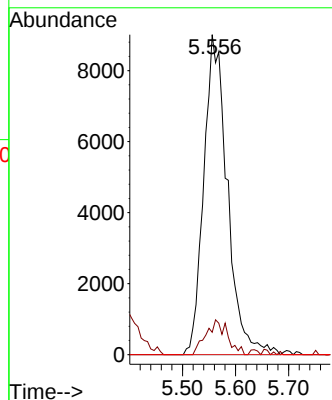
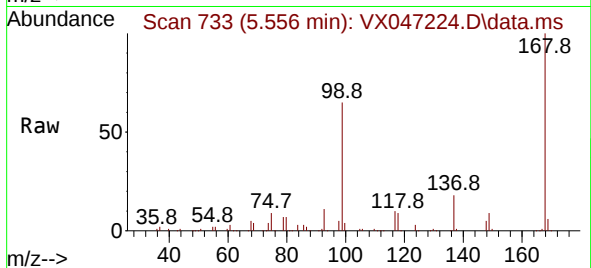
Tgt Ion: 75 Resp: 27863

Ion Ratio Lower Upper

75 100

110 9.9 17.2 51.5#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 1.150 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.031 min

Lab File: VX047224.D

Acq: 04 Aug 2025 13:20

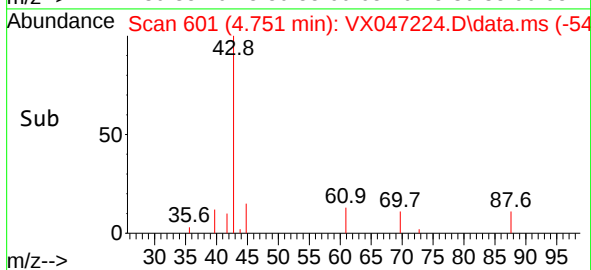
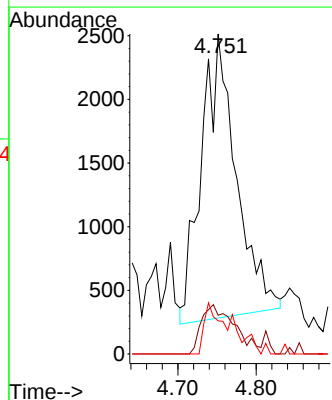
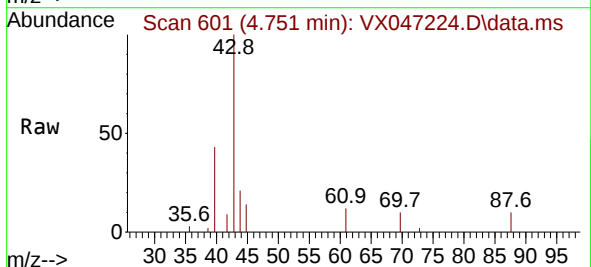
Tgt Ion: 43 Resp: 6906

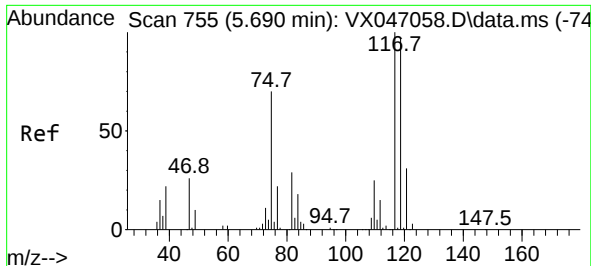
Ion Ratio Lower Upper

43 100

61 16.7 10.2 15.2#

70 13.5 8.1 12.1#

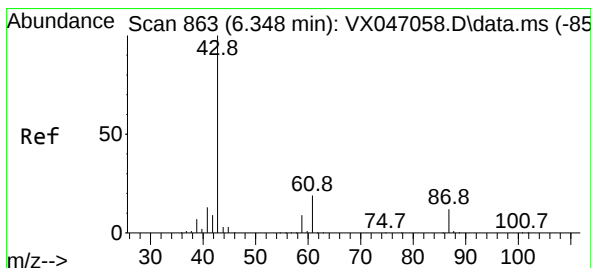
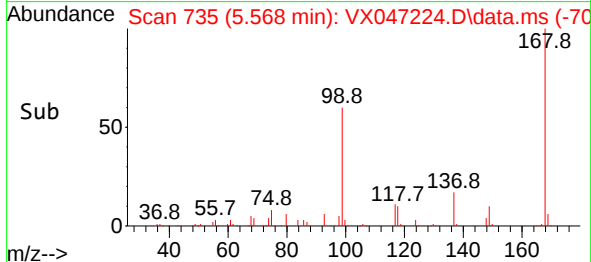
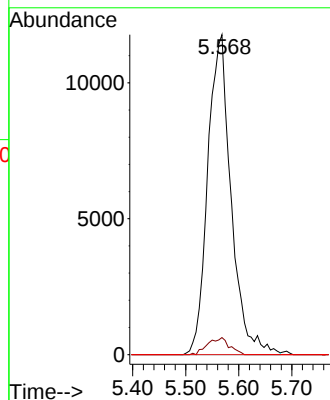
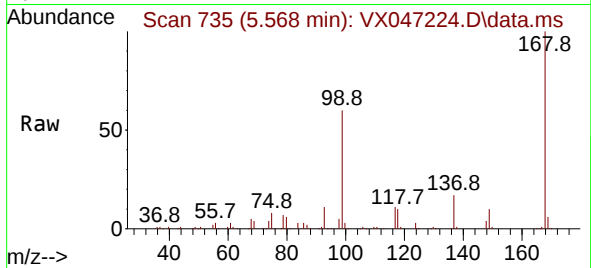




#38
Carbon Tetrachloride
Concen: 5.181 ug/l
RT: 5.568 min Scan# 711
Delta R.T. -0.121 min
Lab File: VX047224.D
Acq: 04 Aug 2025 13:20

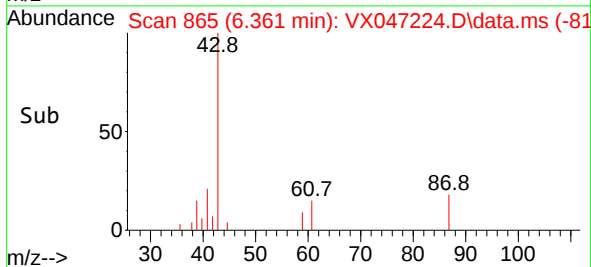
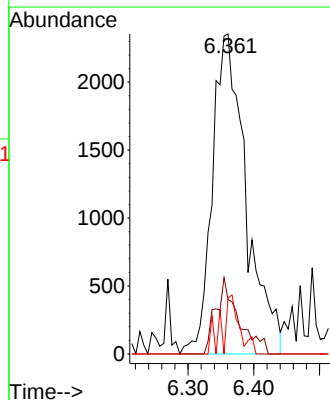
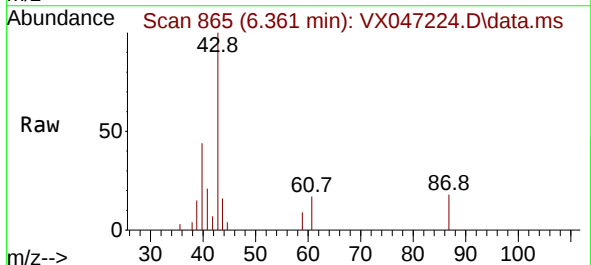
Instrument :
MSVOA_X
ClientSampleId :
VNJ-253

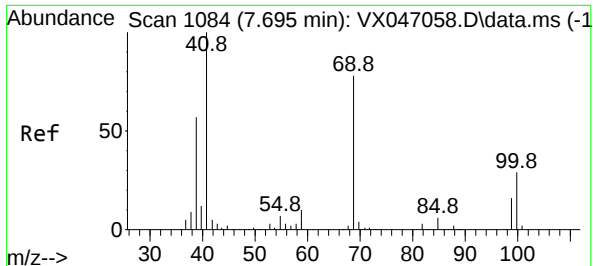
Tgt Ion:117 Resp: 36020
Ion Ratio Lower Upper
117 100
119 5.4 76.6 115.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 0.900 ug/l
RT: 6.361 min Scan# 865
Delta R.T. 0.013 min
Lab File: VX047224.D
Acq: 04 Aug 2025 13:20

Tgt Ion: 43 Resp: 8419
Ion Ratio Lower Upper
43 100
61 16.2 15.1 22.7
87 8.3 9.7 14.5#





#48

Methyl methacrylate

Concen: 9.001 ug/l

RT: 7.800 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX047224.D

Acq: 04 Aug 2025 13:20

Instrument :

MSVOA_X

ClientSampleId :

VNJ-253

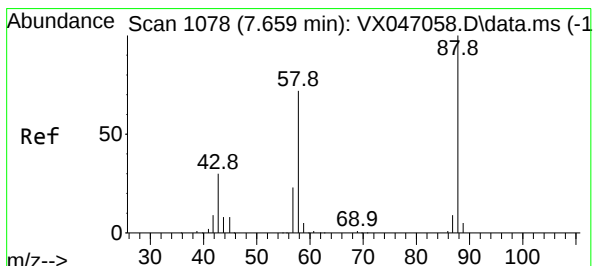
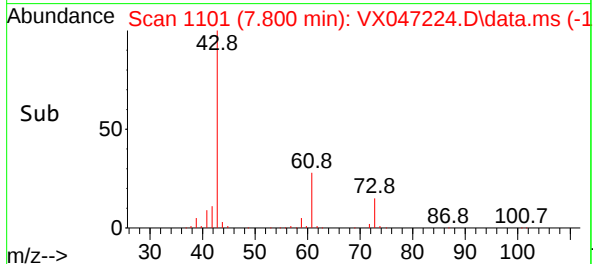
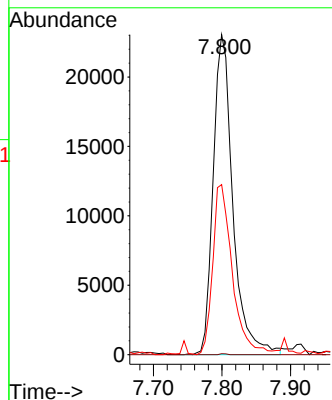
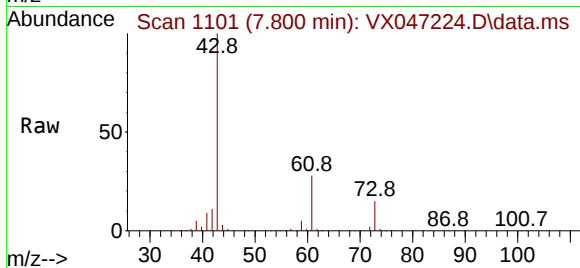
Tgt Ion: 41 Resp: 45884

Ion Ratio Lower Upper

41 100

69 0.1 62.3 93.5#

39 53.1 44.8 67.2



#49

1,4-Dioxane

Concen: 0.966 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.135 min

Lab File: VX047224.D

Acq: 04 Aug 2025 13:20

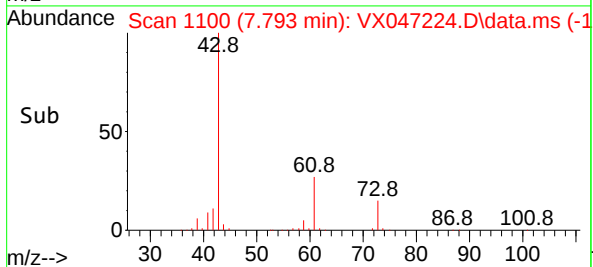
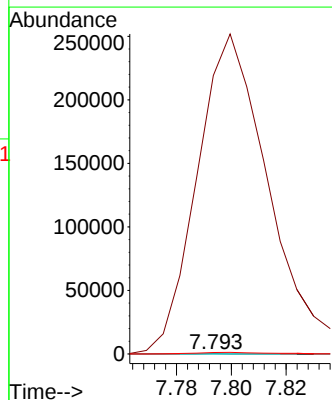
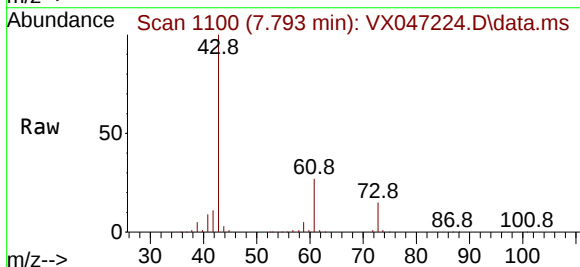
Tgt Ion: 88 Resp: 56

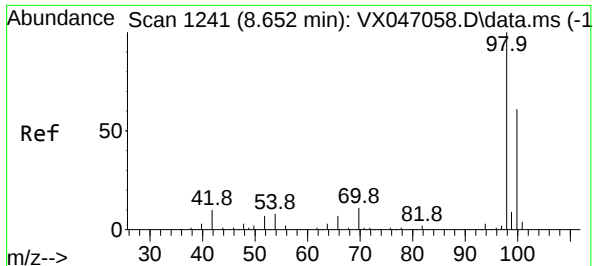
Ion Ratio Lower Upper

88 100

43 852198.2 33.6 50.4#

58 4214.3 58.8 88.2#

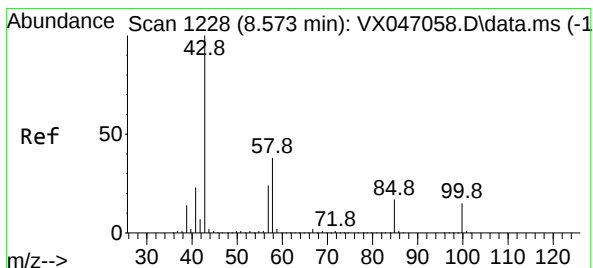
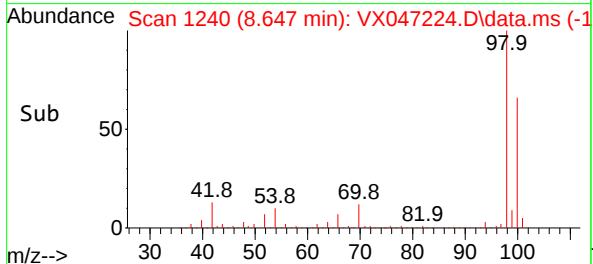
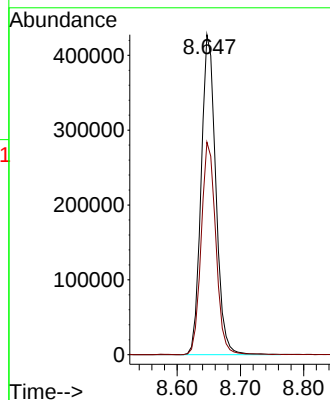
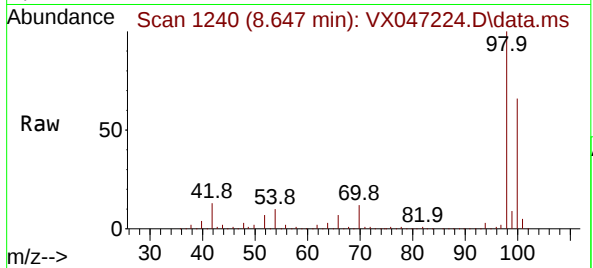




#50
Toluene-d8
Concen: 55.733 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047224.D
Acq: 04 Aug 2025 13:20

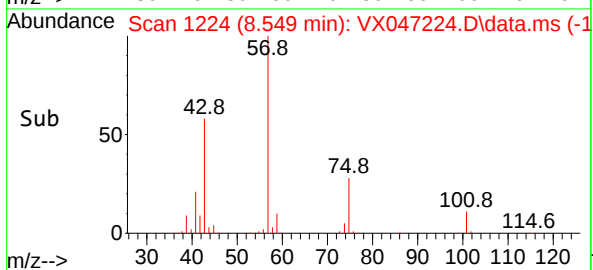
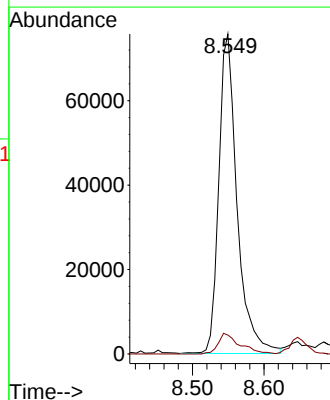
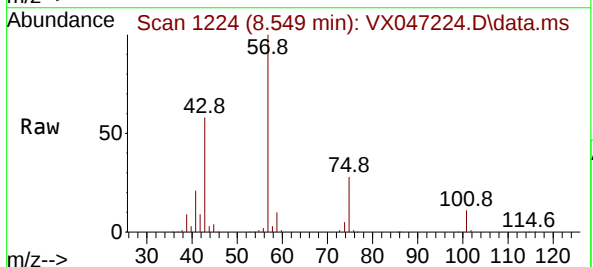
Instrument :
MSVOA_X
ClientSampleId :
VNJ-253

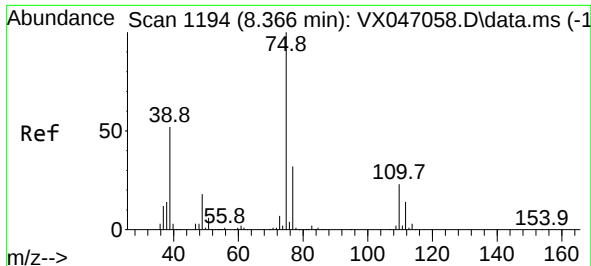
Tgt Ion: 98 Resp: 689769
Ion Ratio Lower Upper
98 100
100 66.3 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 24.143 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX047224.D
Acq: 04 Aug 2025 13:20

Tgt Ion: 43 Resp: 134292
Ion Ratio Lower Upper
43 100
58 7.7 30.6 45.8#

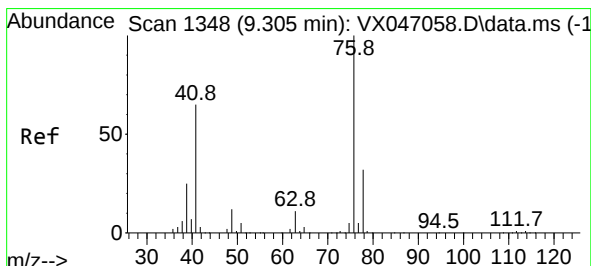
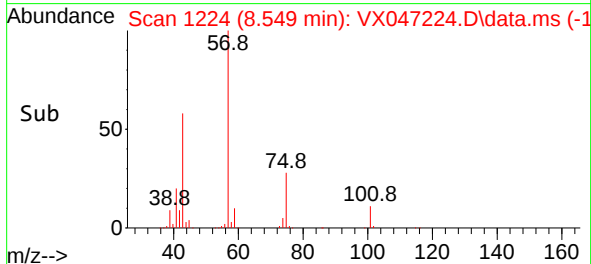
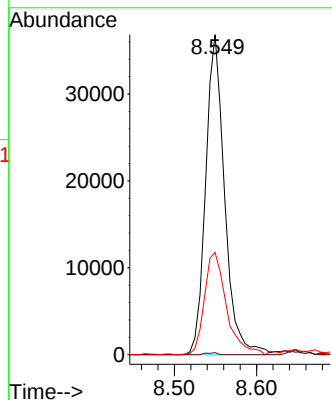
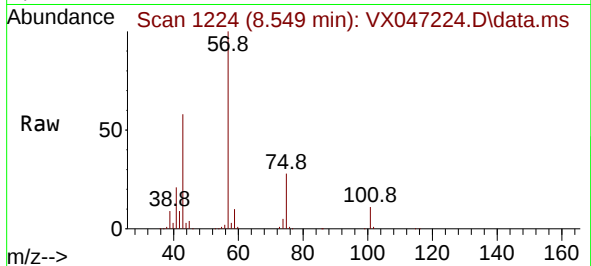




#54
cis-1,3-Dichloropropene
Concen: 8.130 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX047224.D
Acq: 04 Aug 2025 13:20

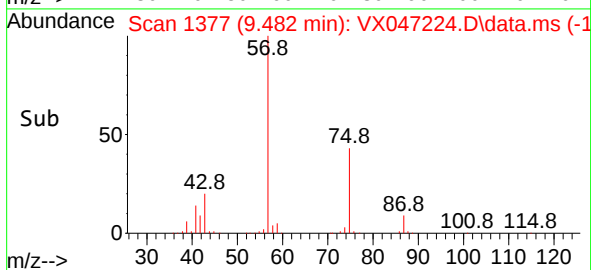
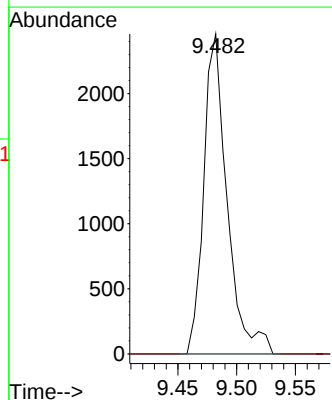
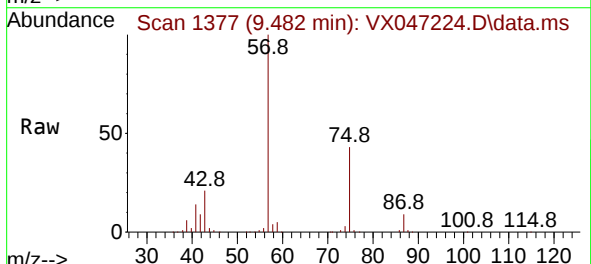
Instrument :
MSVOA_X
ClientSampleId :
VNJ-253

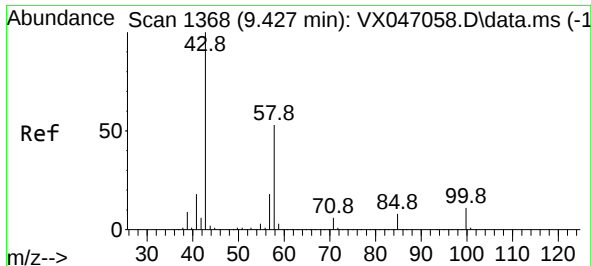
Tgt Ion: 75 Resp: 59223
Ion Ratio Lower Upper
75 100
77 0.7 25.4 38.0#
39 31.3 41.8 62.6#



#57
1,3-Dichloropropane
Concen: 0.449 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX047224.D
Acq: 04 Aug 2025 13:20

Tgt Ion: 76 Resp: 3391
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 13.082 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX047224.D

Acq: 04 Aug 2025 13:20

Instrument :

MSVOA_X

ClientSampleId :

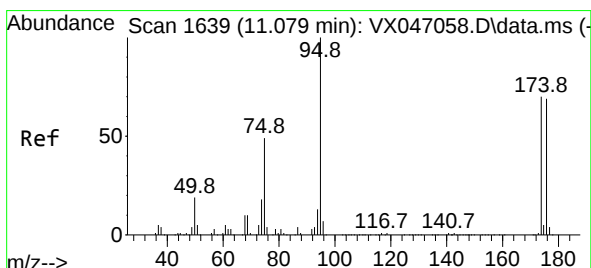
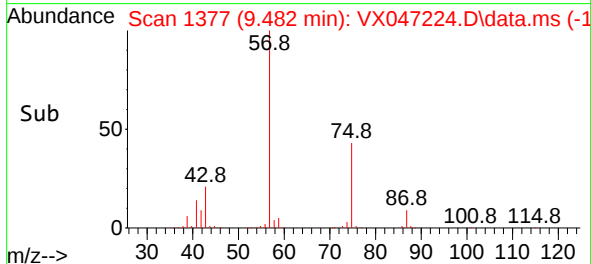
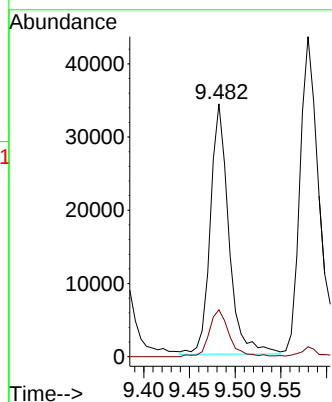
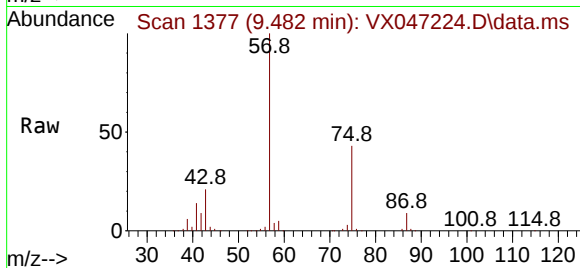
VNJ-253

Tgt Ion: 43 Resp: 48074

Ion Ratio Lower Upper

43 100

58 20.3 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 52.176 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.001 min

Lab File: VX047224.D

Acq: 04 Aug 2025 13:20

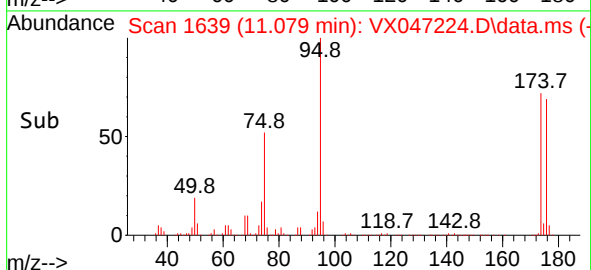
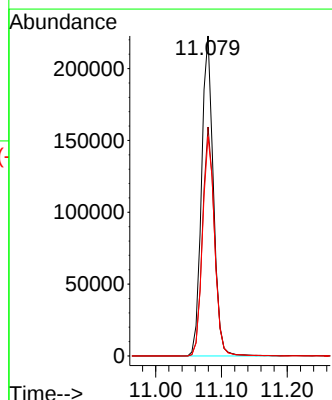
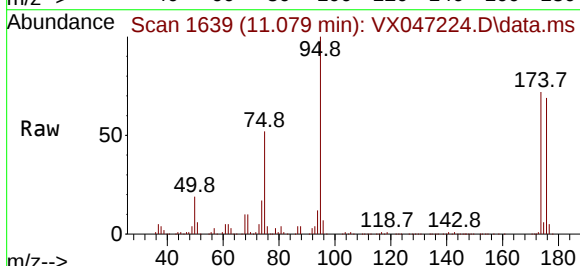
Tgt Ion: 95 Resp: 278279

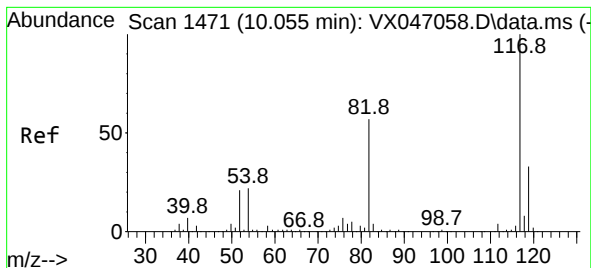
Ion Ratio Lower Upper

95 100

174 72.5 0.0 144.6

176 70.4 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.001 min

Lab File: VX047224.D

Acq: 04 Aug 2025 13:20

Instrument :

MSVOA_X

ClientSampleId :

VNJ-253

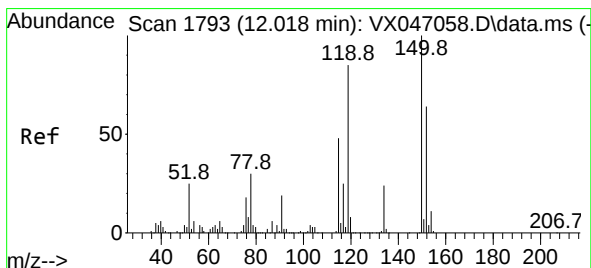
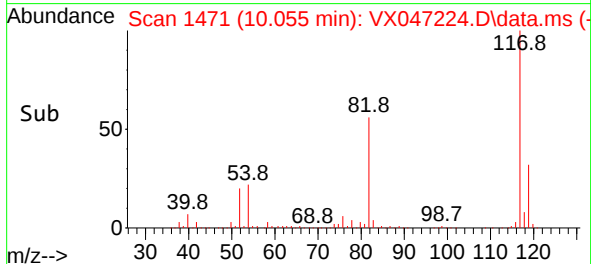
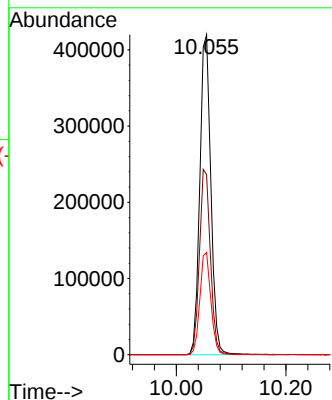
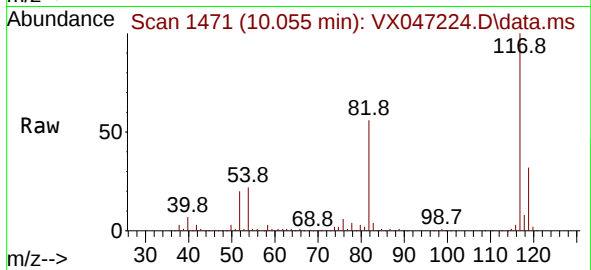
Tgt Ion:117 Resp: 587928

Ion Ratio Lower Upper

117 100

82 56.2 45.4 68.2

119 32.0 26.1 39.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.001 min

Lab File: VX047224.D

Acq: 04 Aug 2025 13:20

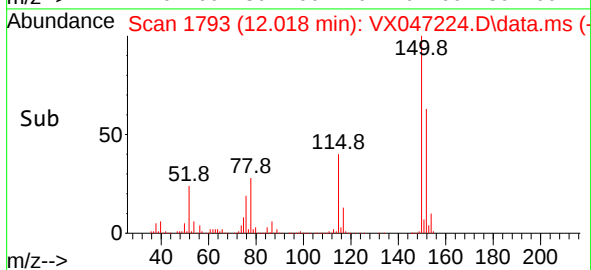
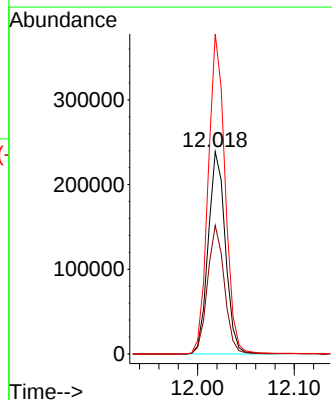
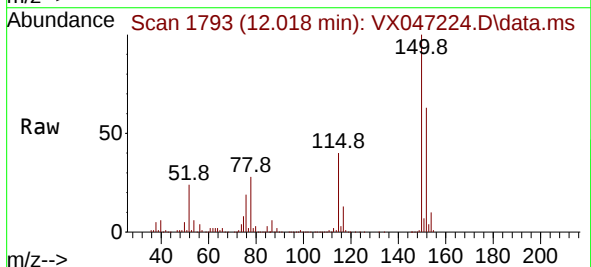
Tgt Ion:152 Resp: 294593

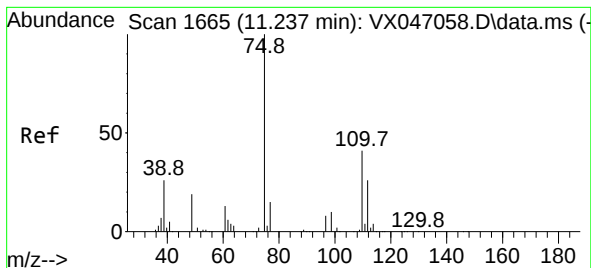
Ion Ratio Lower Upper

152 100

115 62.5 45.6 136.7

150 156.9 0.0 354.6





#76

1,2,3-Trichloropropane

Concen: 26.887 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047224.D

Acq: 04 Aug 2025 13:20

Instrument :

MSVOA_X

ClientSampleId :

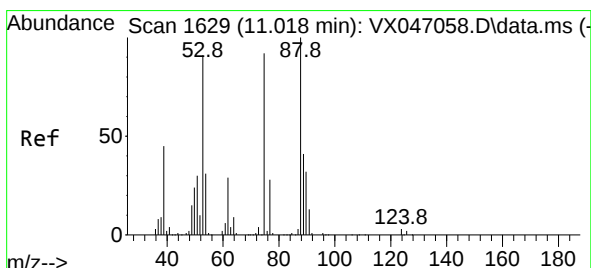
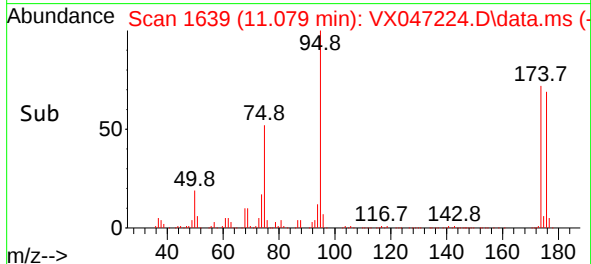
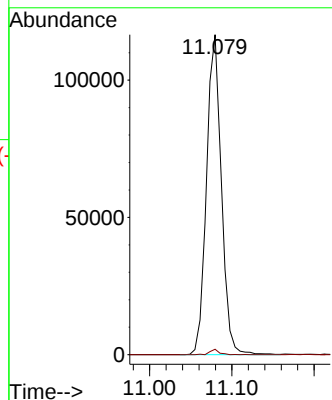
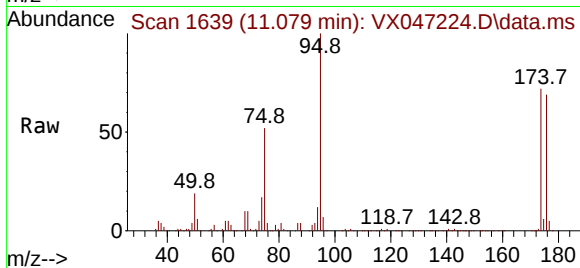
VNJ-253

Tgt Ion: 75 Resp: 146607

Ion Ratio Lower Upper

75 100

77 1.1 21.6 65.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.271 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX047224.D

Acq: 04 Aug 2025 13:20

Tgt Ion: 75 Resp: 146607

Ion Ratio Lower Upper

75 100

53 0.0 84.2 126.4#

89 0.0 36.0 54.0#

