

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
 Data File : VX047273.D
 Acq On : 08 Aug 2025 15:51
 Operator : JC/MD
 Sample : Q2800-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-222

Quant Time: Aug 11 02:02:53 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)

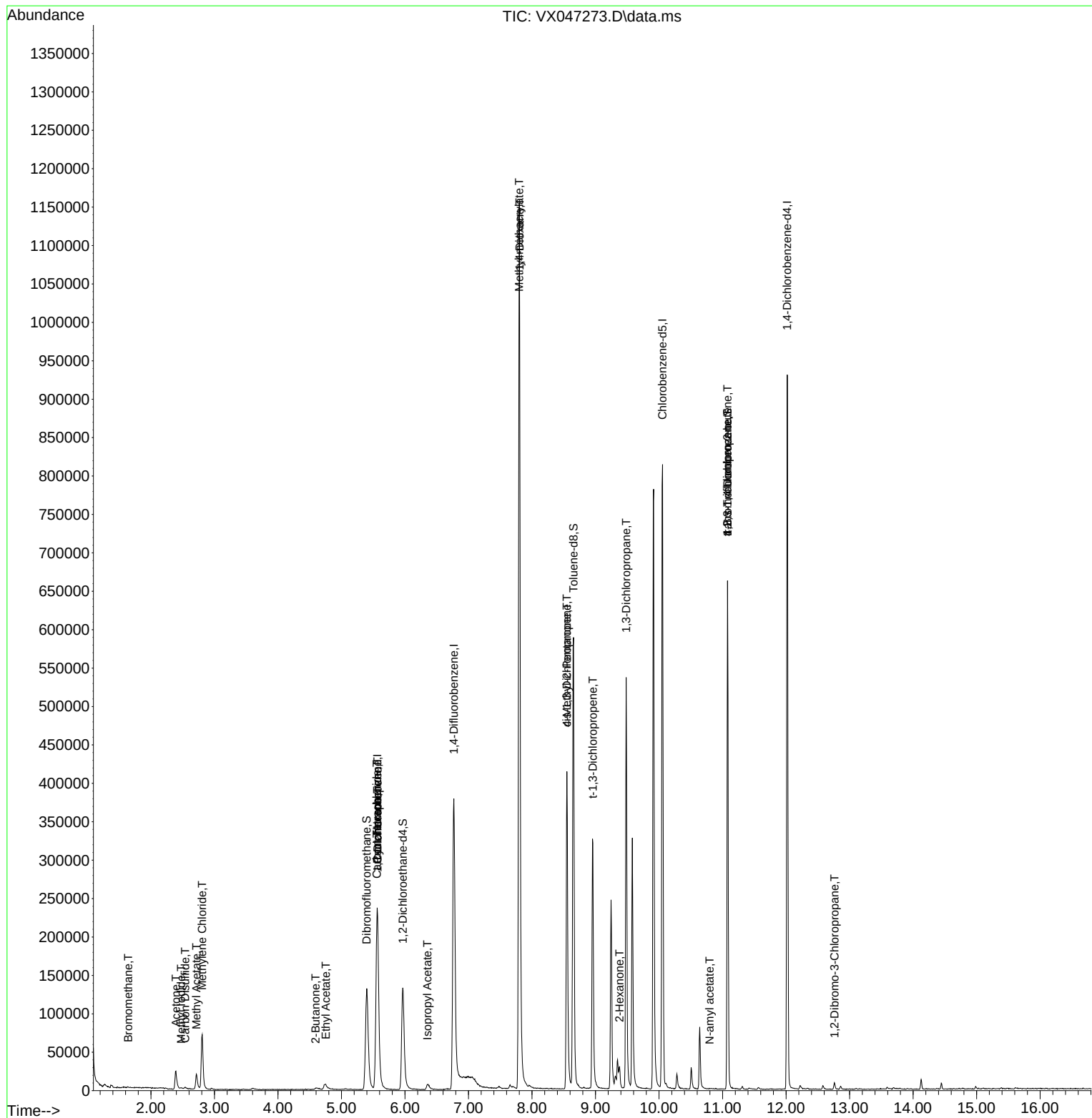
Internal Standards						
1) Pentafluorobenzene	5.562	168	235989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	408399	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	362012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	187549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	143013	48.649	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	97.300%	
35) Dibromofluoromethane	5.397	113	124168	49.242	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	98.480%	
50) Toluene-d8	8.653	98	357304	43.754	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	87.500%#	
62) 4-Bromofluorobenzene	11.079	95	174286	49.525	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	99.060%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	514	0.284	ug/l #	4
10) Methyl Iodide	2.477	142	1730	0.567	ug/l #	65
11) Tert butyl alcohol	2.965	59	214	Below Cal	#	72
16) Acetone	2.392	43	34793	29.545	ug/l	96
17) Carbon Disulfide	2.538	76	3282	0.383	ug/l	99
18) Methyl Acetate	2.715	43	28437	9.087	ug/l	100
20) Methylene Chloride	2.806	84	36557	11.284	ug/l	100
25) 2-Butanone	4.593	43	1959	1.142	ug/l #	79
31) Cyclohexane	5.562	56	5282	0.961	ug/l #	21
36) 1,1-Dichloropropene	5.568	75	19817	4.610	ug/l #	50
37) Ethyl Acetate	4.751	43	14002	3.535	ug/l	98
38) Carbon Tetrachloride	5.556	117	24796	5.405	ug/l #	16
43) Isopropyl Acetate	6.354	43	12547	2.032	ug/l #	92
48) Methyl methacrylate	7.799	41	106305	31.604	ug/l #	46
49) 1,4-Dioxane	7.805	88	181	4.731	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	150534	41.017	ug/l #	48
53) t-1,3-Dichloropropene	8.958	75	932	0.212	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	70811	14.733	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	4536	0.910	ug/l #	43
59) 2-Hexanone	9.378	43	19085	7.871	ug/l #	25
74) N-amyl acetate	10.799	43	1363	0.228	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	89525	25.789	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	89525	66.443	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	12.762	75	233	0.287	ug/l #	2

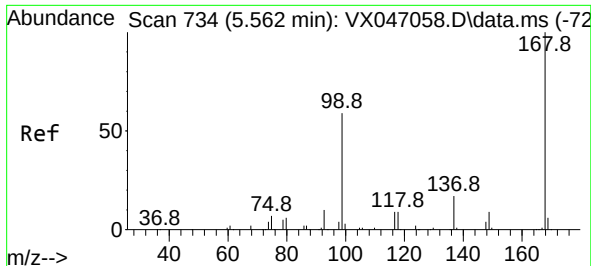
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
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ClientSampleId :
VNJ-222

Quant Time: Aug 11 02:02:53 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

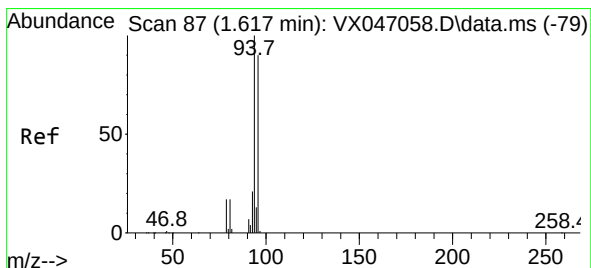
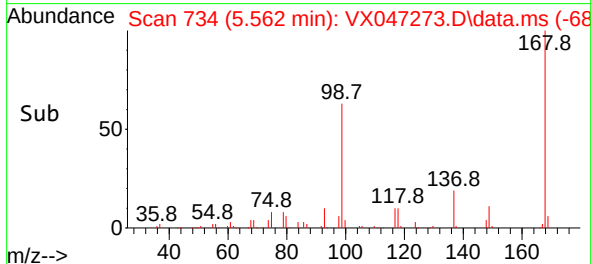
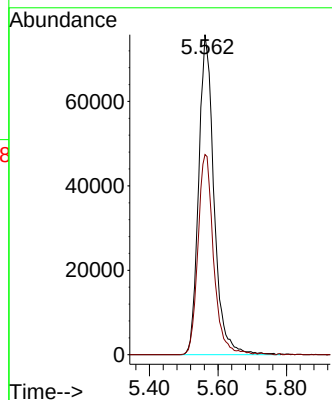
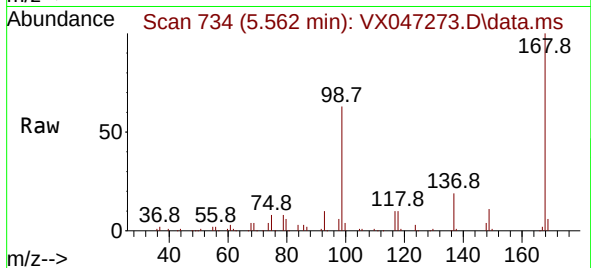




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047273.D
Acq: 08 Aug 2025 15:51

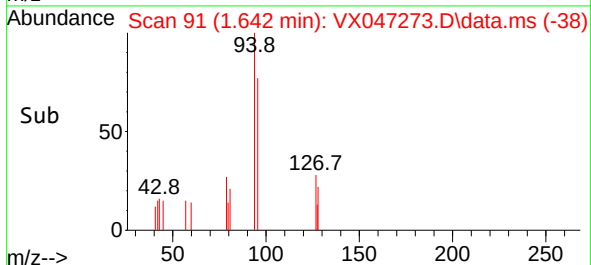
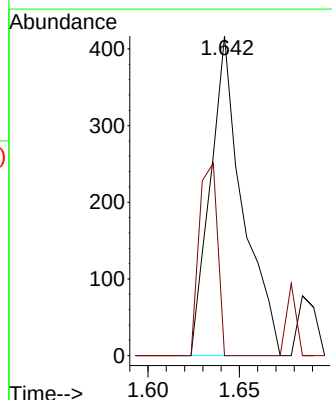
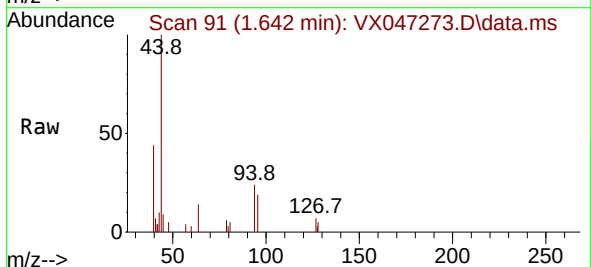
Instrument :
MSVOA_X
ClientSampleId :
VNJ-222

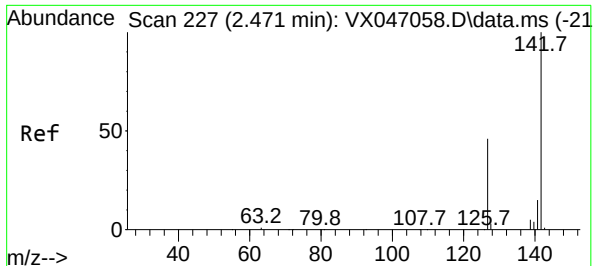
Tgt Ion:168 Resp: 235989
Ion Ratio Lower Upper
168 100
99 62.5 48.0 72.0



#5
Bromomethane
Concen: 0.284 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.025 min
Lab File: VX047273.D
Acq: 08 Aug 2025 15:51

Tgt Ion: 94 Resp: 514
Ion Ratio Lower Upper
94 100
96 0.0 72.3 108.5#

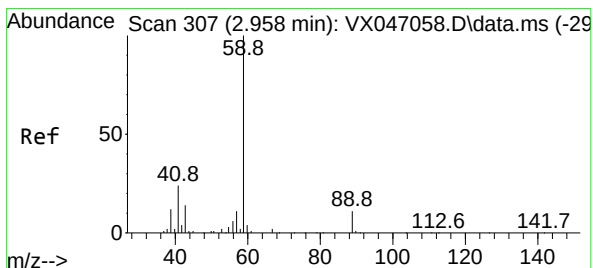
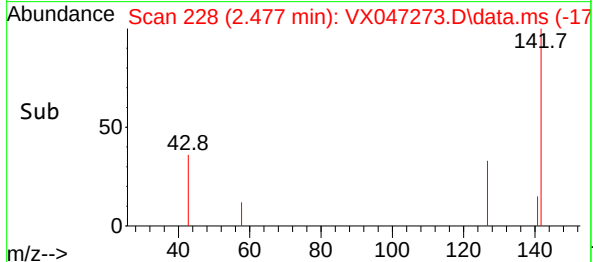
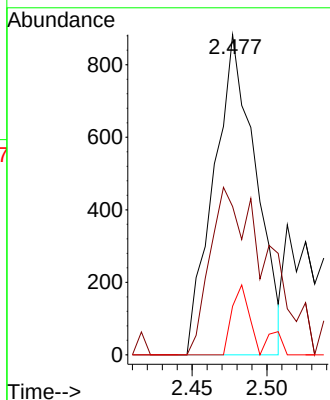
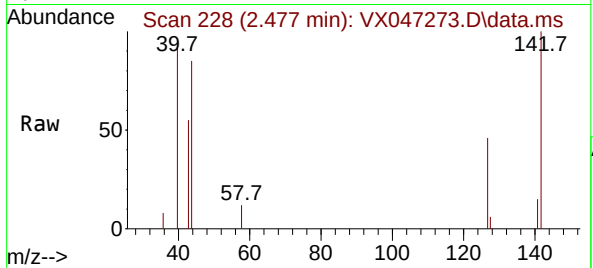




#10
Methyl Iodide
Concen: 0.567 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047273.D
Acq: 08 Aug 2025 15:51

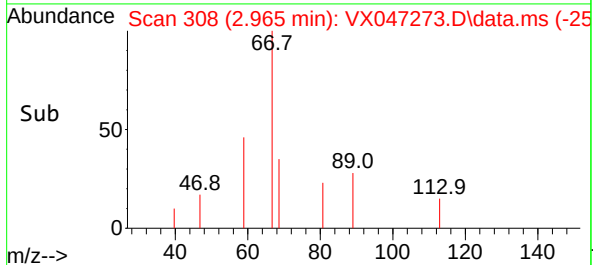
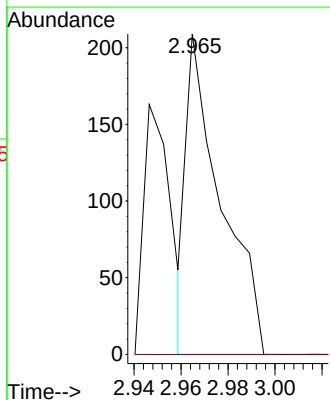
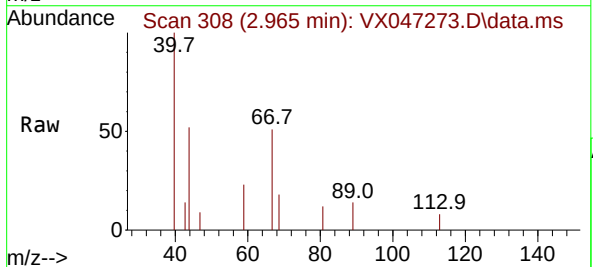
Instrument :
MSVOA_X
ClientSampleId :
VNJ-222

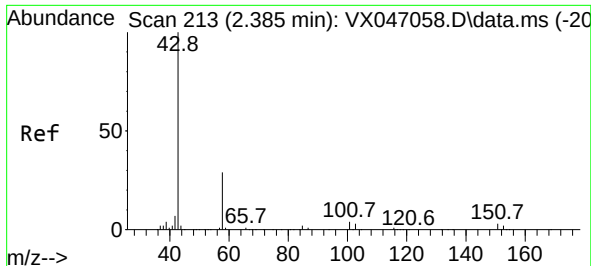
Tgt Ion:142 Resp: 1730
Ion Ratio Lower Upper
142 100
127 73.4 36.6 54.8#
141 8.9 10.9 16.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. 0.007 min
Lab File: VX047273.D
Acq: 08 Aug 2025 15:51

Tgt Ion: 59 Resp: 214
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#16

Acetone

Concen: 29.545 ug/l

RT: 2.392 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX047273.D

Acq: 08 Aug 2025 15:51

Instrument :

MSVOA_X

ClientSampleId :

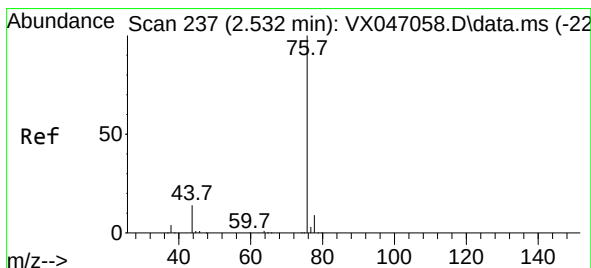
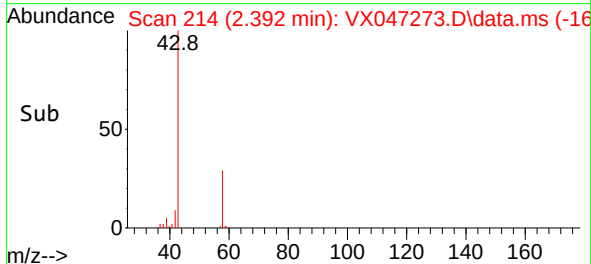
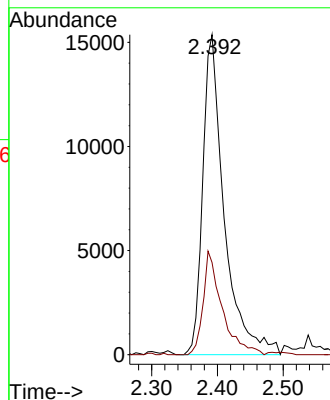
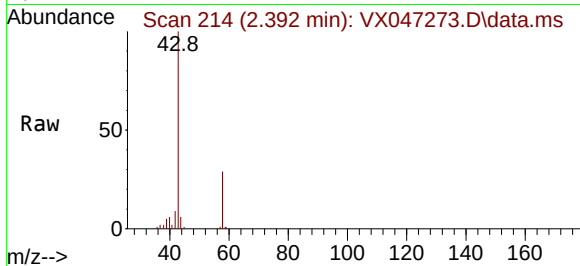
VNJ-222

Tgt Ion: 43 Resp: 34793

Ion Ratio Lower Upper

43 100

58 28.0 24.0 36.0



#17

Carbon Disulfide

Concen: 0.383 ug/l

RT: 2.538 min Scan# 238

Delta R.T. 0.006 min

Lab File: VX047273.D

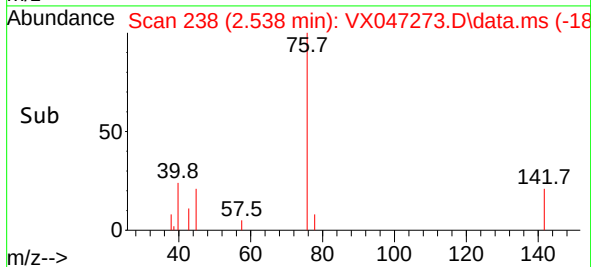
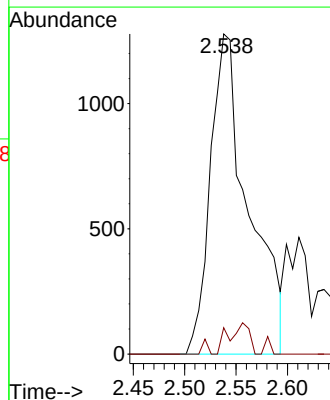
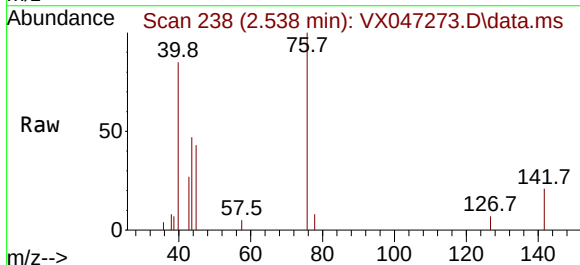
Acq: 08 Aug 2025 15:51

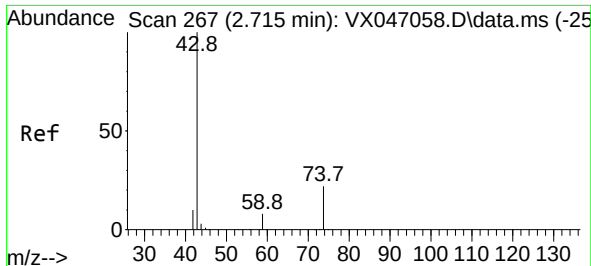
Tgt Ion: 76 Resp: 3282

Ion Ratio Lower Upper

76 100

78 8.2 7.0 10.4

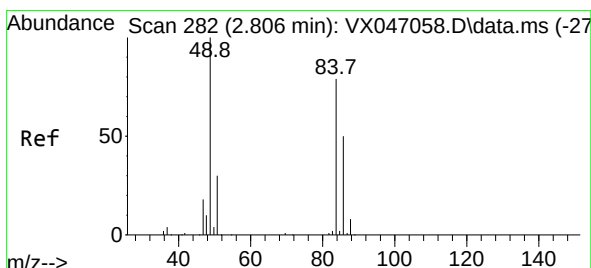
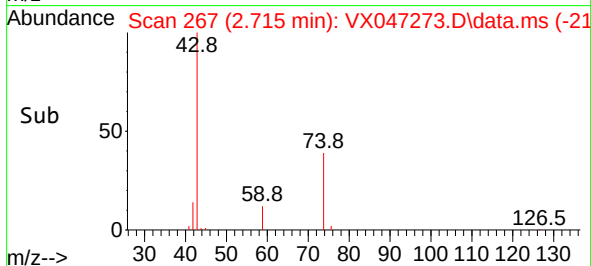
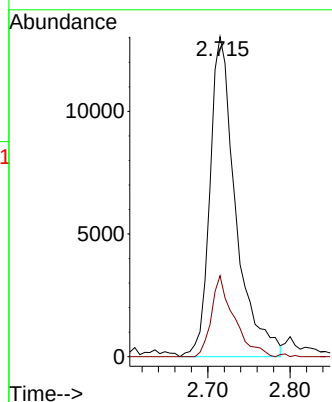
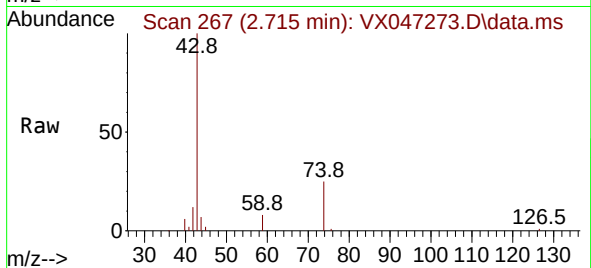




#18
Methyl Acetate
Concen: 9.087 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX047273.D
Acq: 08 Aug 2025 15:51

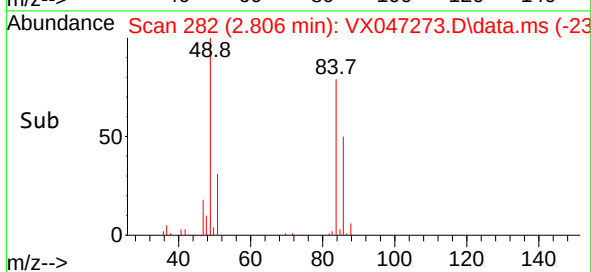
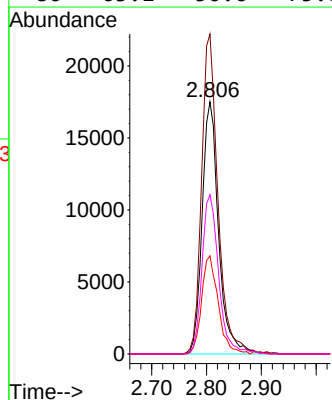
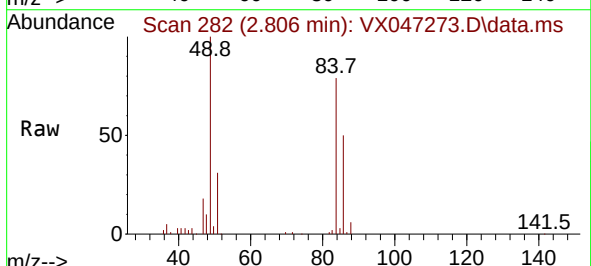
Instrument :
MSVOA_X
ClientSampleId :
VNJ-222

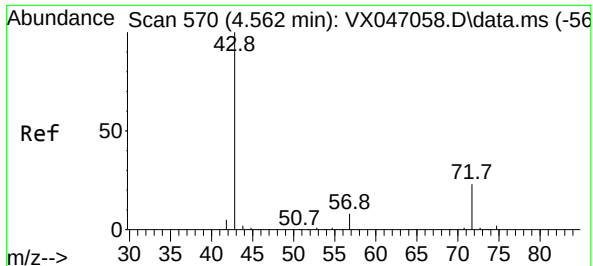
Tgt Ion: 43 Resp: 28437
Ion Ratio Lower Upper
43 100
74 22.1 17.7 26.5



#20
Methylene Chloride
Concen: 11.284 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047273.D
Acq: 08 Aug 2025 15:51

Tgt Ion: 84 Resp: 36557
Ion Ratio Lower Upper
84 100
49 126.9 101.6 152.4
51 38.9 30.3 45.5
86 63.1 50.6 75.8





#25

2-Butanone

Concen: 1.142 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX047273.D

Acq: 08 Aug 2025 15:51

Instrument :

MSVOA_X

ClientSampleId :

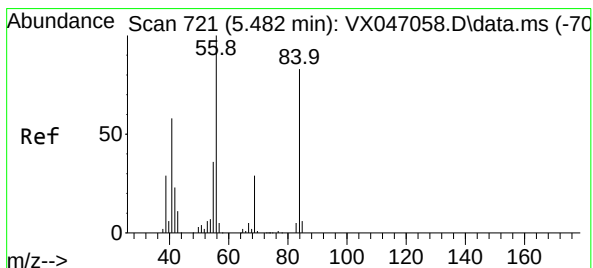
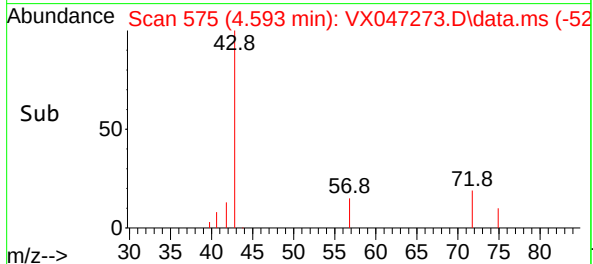
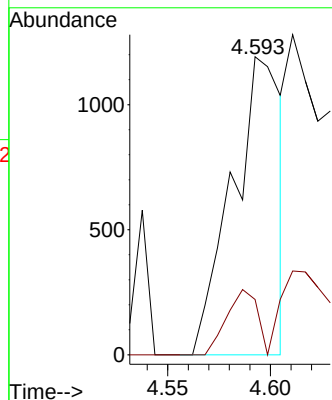
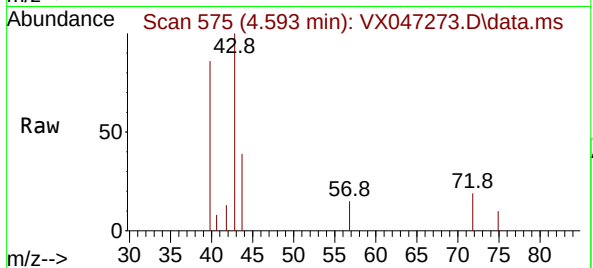
VNJ-222

Tgt Ion: 43 Resp: 1959

Ion Ratio Lower Upper

43 100

72 13.3 18.8 28.2#



#31

Cyclohexane

Concen: 0.961 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.079 min

Lab File: VX047273.D

Acq: 08 Aug 2025 15:51

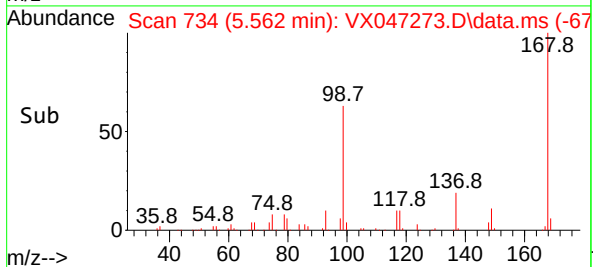
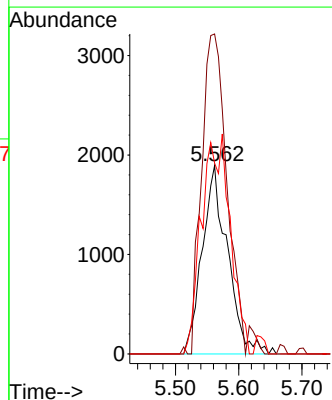
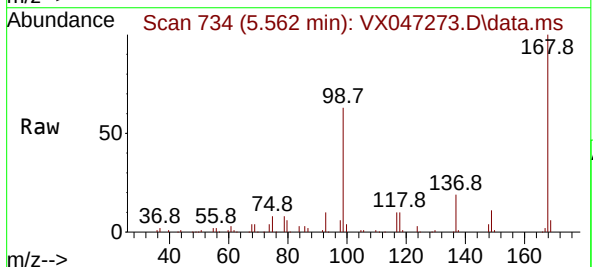
Tgt Ion: 56 Resp: 5282

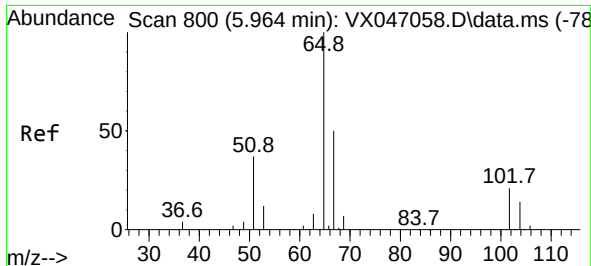
Ion Ratio Lower Upper

56 100

69 166.7 23.3 34.9#

84 97.9 66.5 99.7

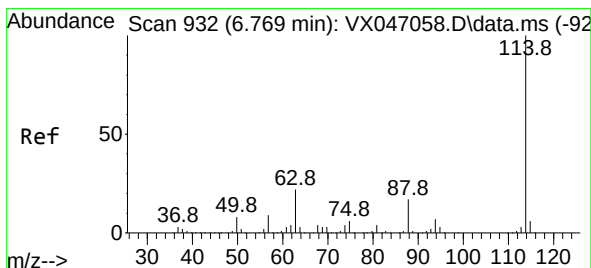
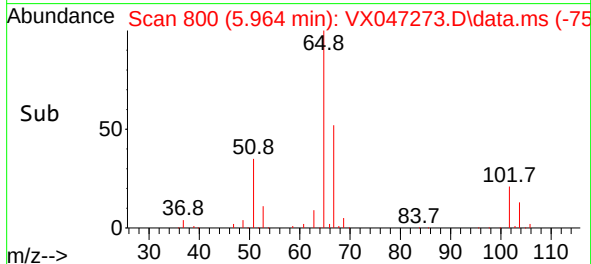
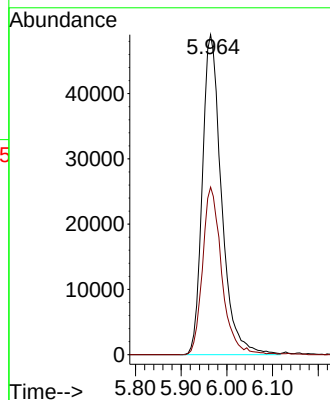
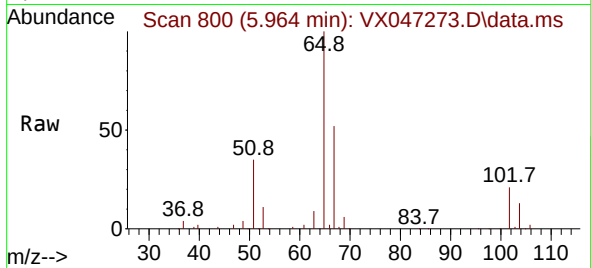




#33
 1,2-Dichloroethane-d4
 Concen: 48.649 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX047273.D
 Acq: 08 Aug 2025 15:51

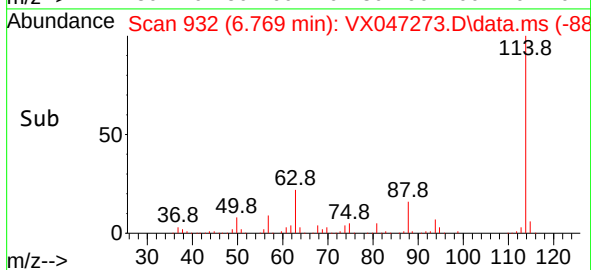
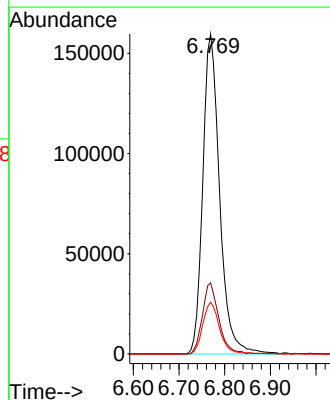
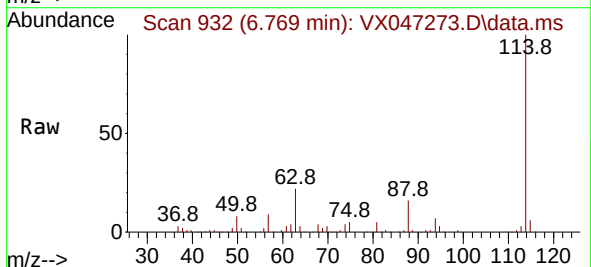
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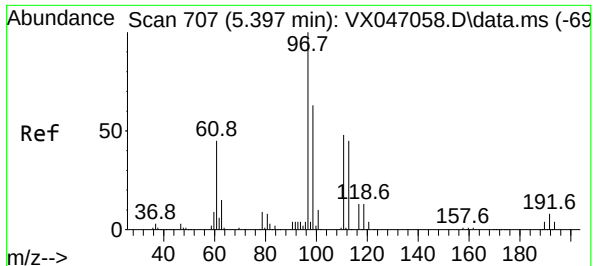
Tgt Ion: 65 Resp: 143013
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047273.D
 Acq: 08 Aug 2025 15:51

Tgt Ion: 114 Resp: 408399
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 16.1 0.0 33.8

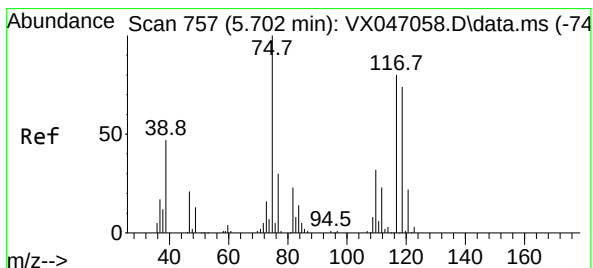
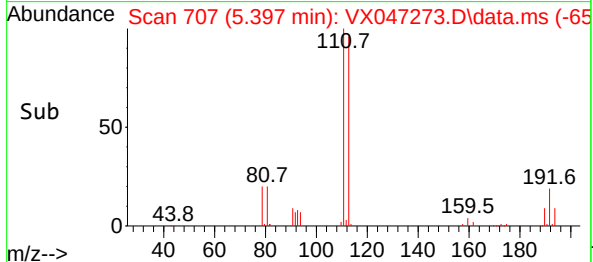
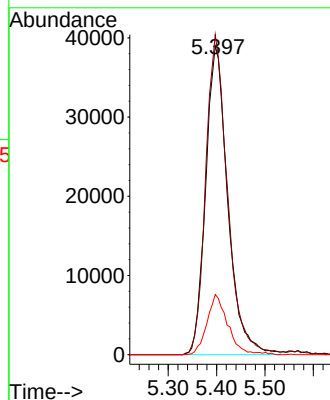
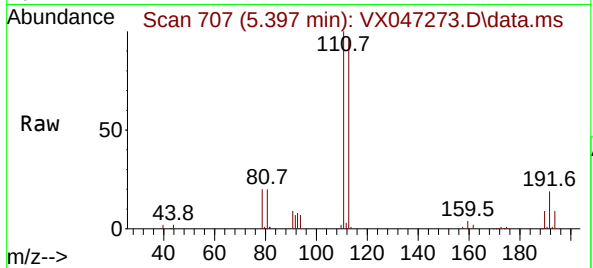




#35
Dibromofluoromethane
Concen: 49.242 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047273.D
Acq: 08 Aug 2025 15:51

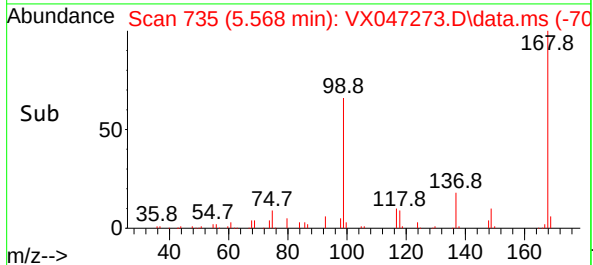
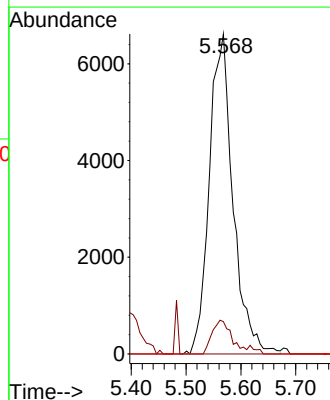
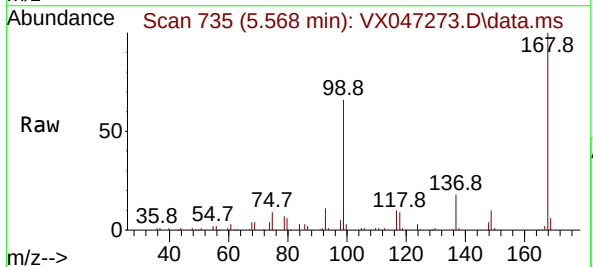
Instrument :
MSVOA_X
ClientSampleId :
VNJ-222

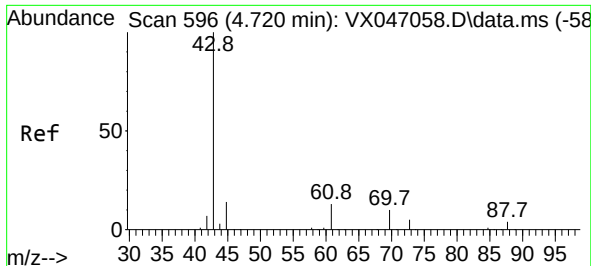
Tgt Ion:113 Resp: 124168
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 18.4 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.610 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX047273.D
Acq: 08 Aug 2025 15:51

Tgt Ion: 75 Resp: 19817
Ion Ratio Lower Upper
75 100
110 8.7 17.2 51.5#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 3.535 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.031 min

Lab File: VX047273.D

Acq: 08 Aug 2025 15:51

Instrument :

MSVOA_X

ClientSampleId :

VNJ-222

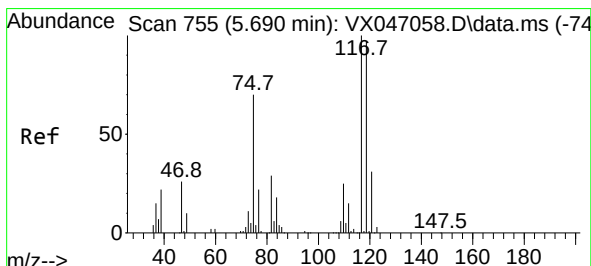
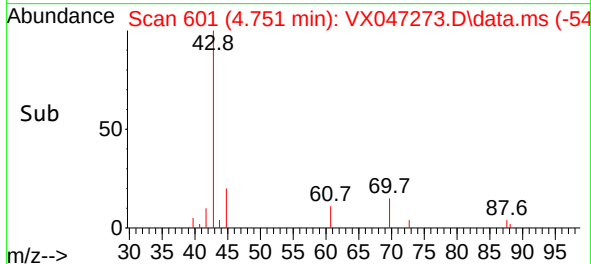
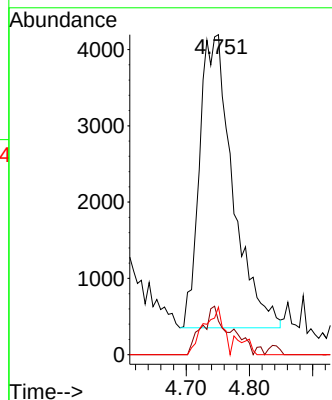
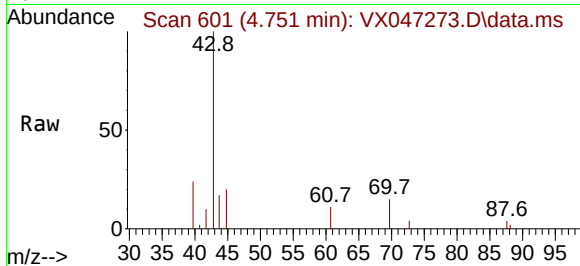
Tgt Ion: 43 Resp: 14002

Ion Ratio Lower Upper

43 100

61 13.8 10.2 15.2

70 9.4 8.1 12.1



#38

Carbon Tetrachloride

Concen: 5.405 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX047273.D

Acq: 08 Aug 2025 15:51

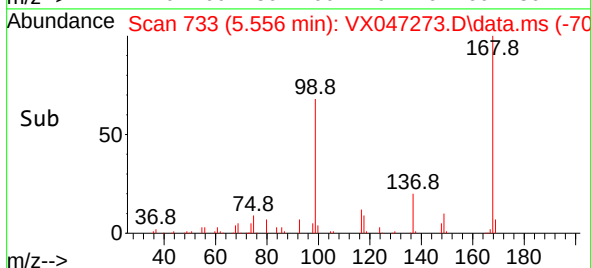
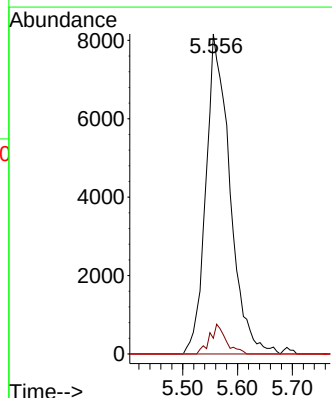
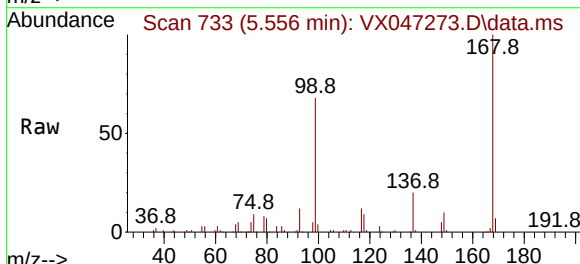
Tgt Ion: 117 Resp: 24796

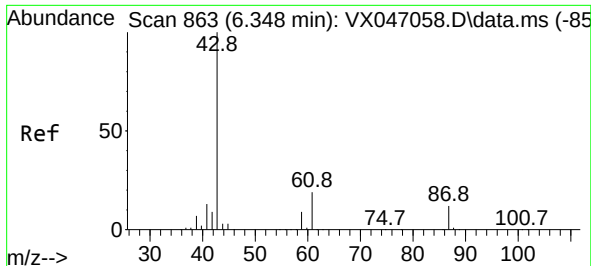
Ion Ratio Lower Upper

117 100

119 4.9 76.6 115.0#

121 0.0 24.4 36.6#

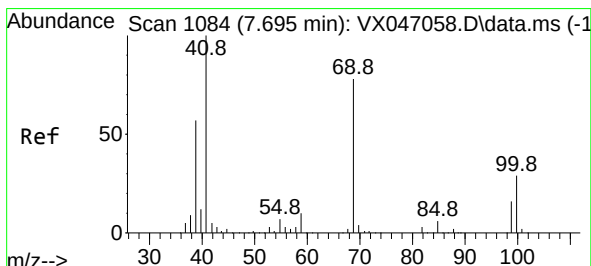
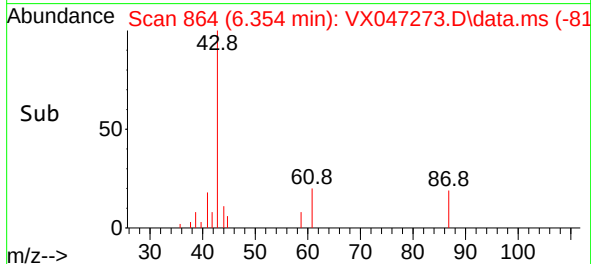
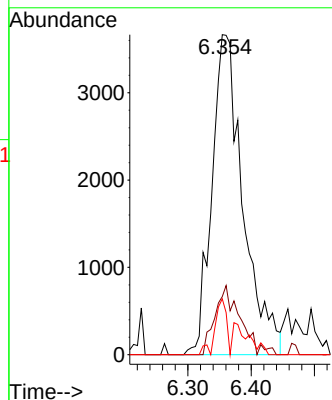
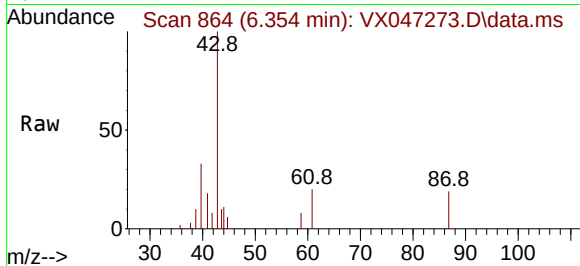




#43
Isopropyl Acetate
Concen: 2.032 ug/l
RT: 6.354 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX047273.D
Acq: 08 Aug 2025 15:51

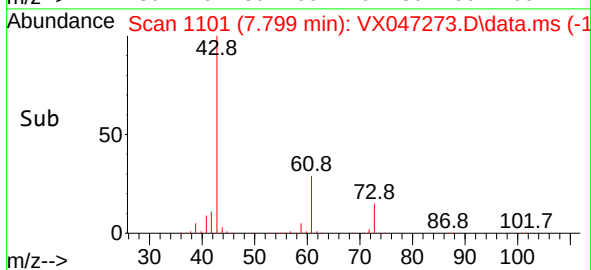
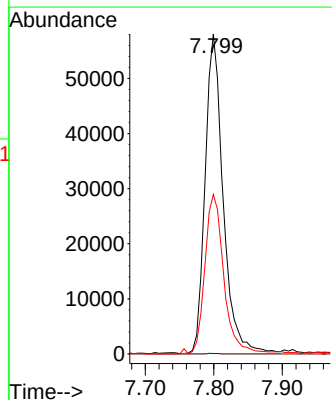
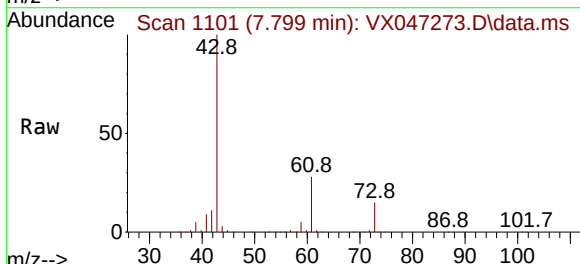
Instrument :
MSVOA_X
ClientSampleId :
VNJ-222

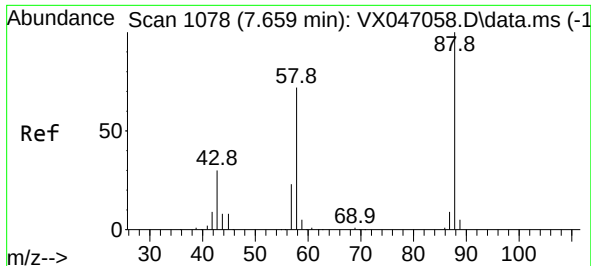
Tgt Ion:	43	Resp:	12547
Ion	Ratio	Lower	Upper
43	100		
61	17.3	15.1	22.7
87	6.3	9.7	14.5



#48
Methyl methacrylate
Concen: 31.604 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX047273.D
Acq: 08 Aug 2025 15:51

Tgt Ion:	41	Resp:	106305
Ion	Ratio	Lower	Upper
41	100		
69	0.1	62.3	93.5
39	52.8	44.8	67.2

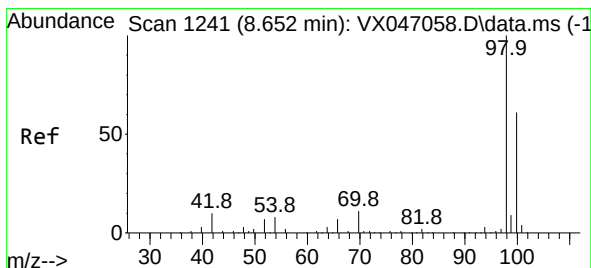
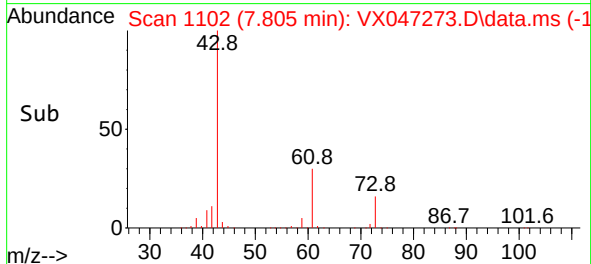
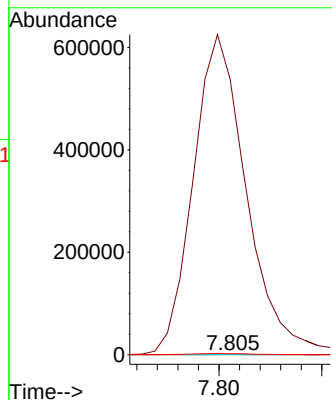
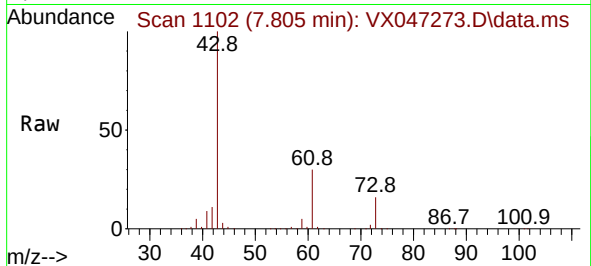




#49
1,4-Dioxane
Concen: 4.731 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.147 min
Lab File: VX047273.D
Acq: 08 Aug 2025 15:51

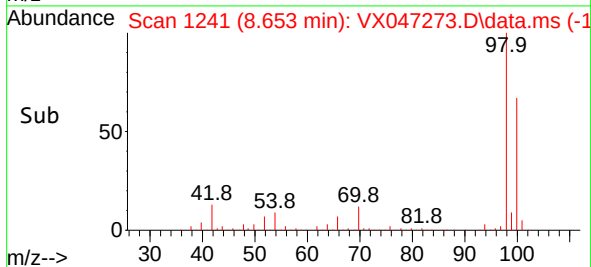
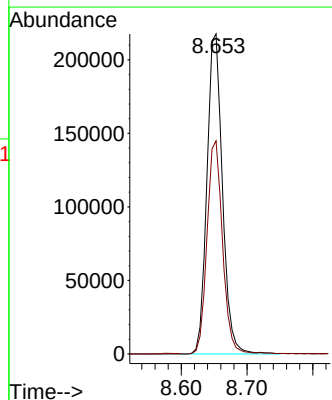
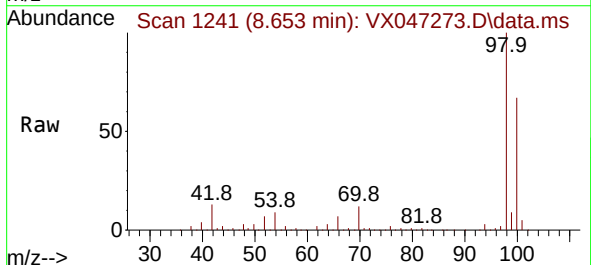
Instrument :
MSVOA_X
ClientSampleId :
VNJ-222

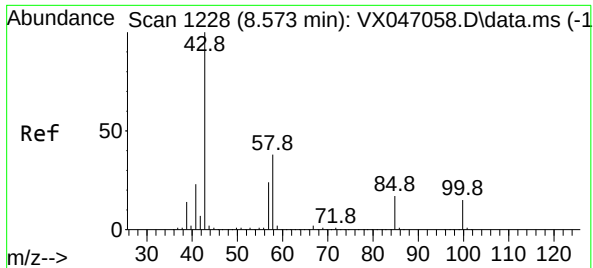
Tgt Ion: 88 Resp: 181
Ion Ratio Lower Upper
88 100
43 635581.8 33.6 50.4#
58 2655.2 58.8 88.2#



#50
Toluene-d8
Concen: 43.754 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047273.D
Acq: 08 Aug 2025 15:51

Tgt Ion: 98 Resp: 357304
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9

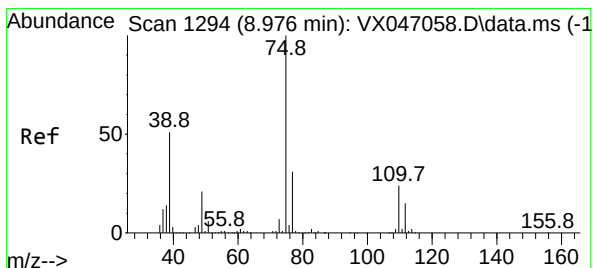
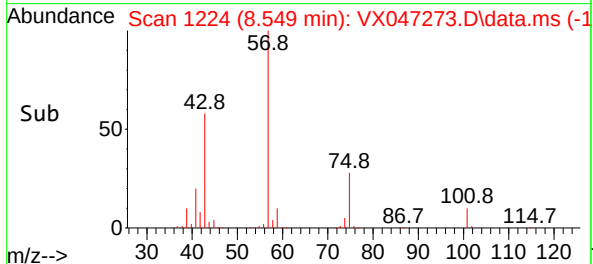
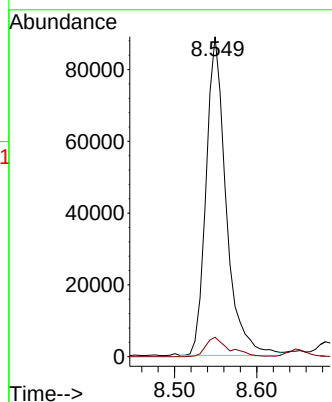
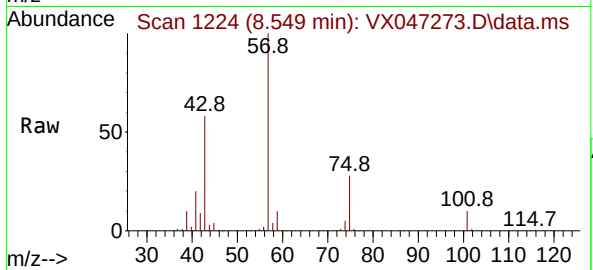




#51
4-Methyl-2-Pentanone
Concen: 41.017 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX047273.D
Acq: 08 Aug 2025 15:51

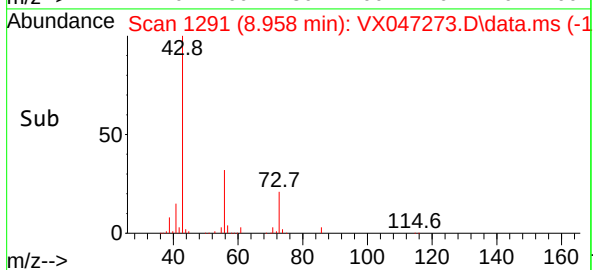
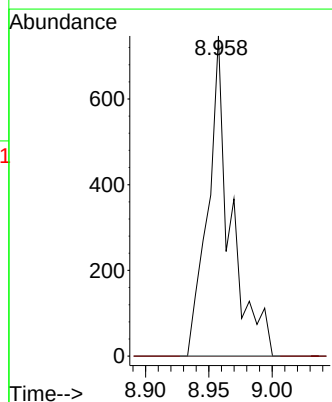
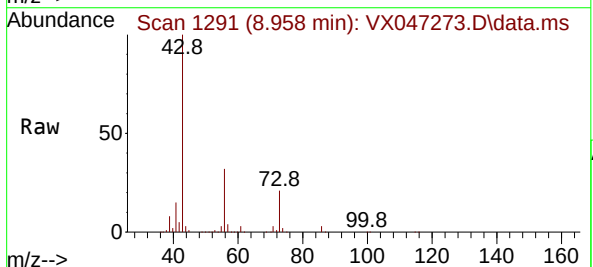
Instrument :
MSVOA_X
ClientSampleId :
VNJ-222

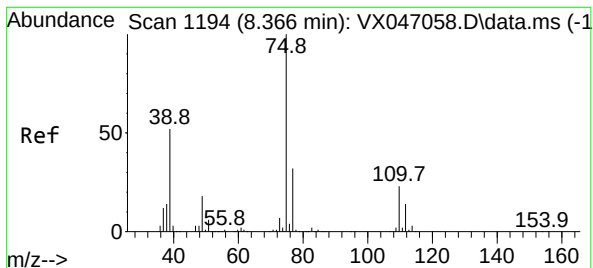
Tgt Ion: 43 Resp: 150534
Ion Ratio Lower Upper
43 100
58 7.1 30.6 45.8#



#53
t-1,3-Dichloropropene
Concen: 0.212 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX047273.D
Acq: 08 Aug 2025 15:51

Tgt Ion: 75 Resp: 932
Ion Ratio Lower Upper
75 100
77 0.0 24.5 36.7#





#54

cis-1,3-Dichloropropene

Concen: 14.733 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. 0.183 min

Lab File: VX047273.D

Acq: 08 Aug 2025 15:51

Instrument :

MSVOA_X

ClientSampleId :

VNJ-222

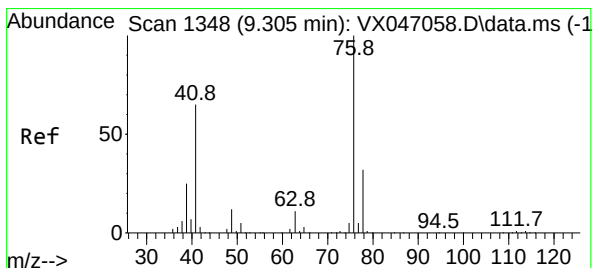
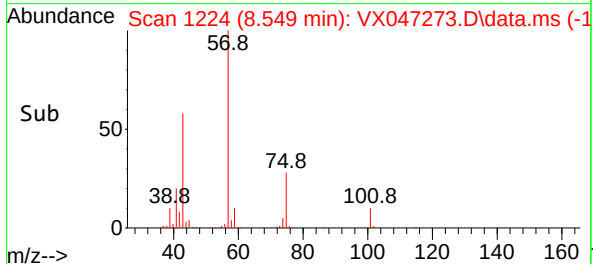
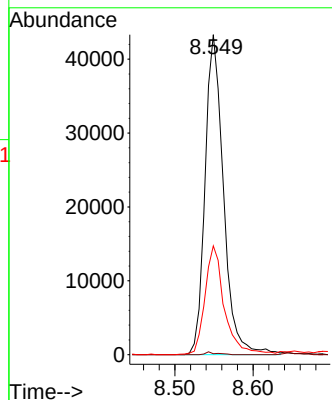
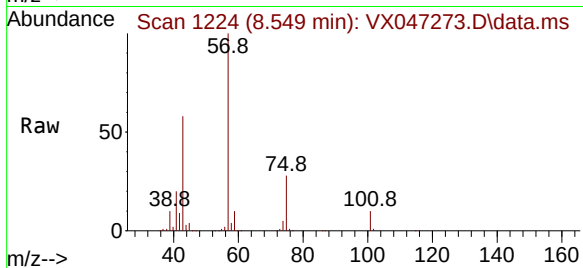
Tgt Ion: 75 Resp: 70811

Ion Ratio Lower Upper

75 100

77 0.3 25.4 38.0#

39 33.0 41.8 62.6#



#57

1,3-Dichloropropane

Concen: 0.910 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX047273.D

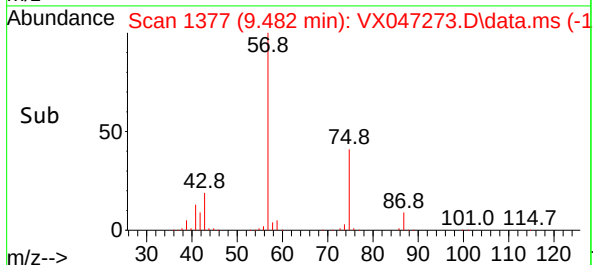
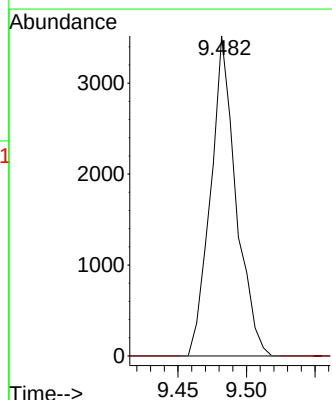
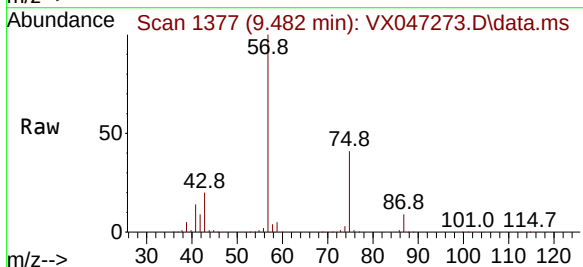
Acq: 08 Aug 2025 15:51

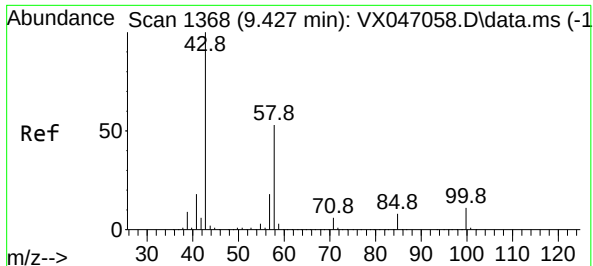
Tgt Ion: 76 Resp: 4536

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#

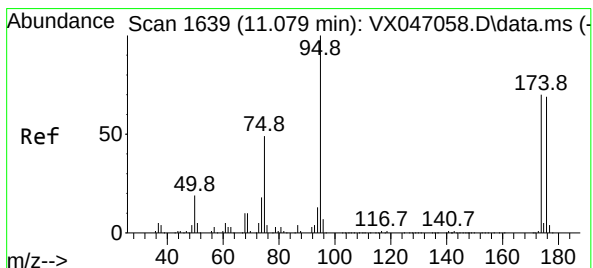
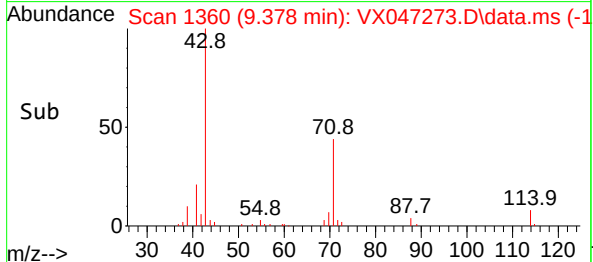
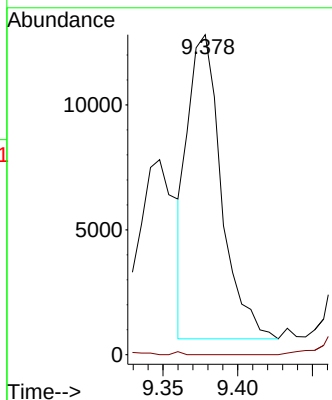
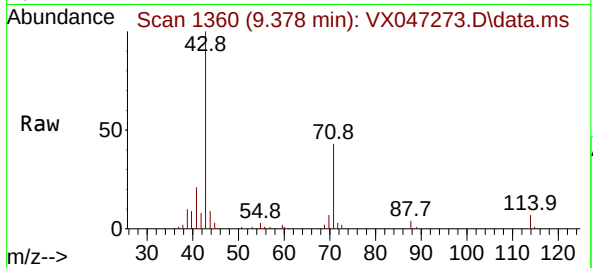




#59
2-Hexanone
Concen: 7.871 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX047273.D
Acq: 08 Aug 2025 15:51

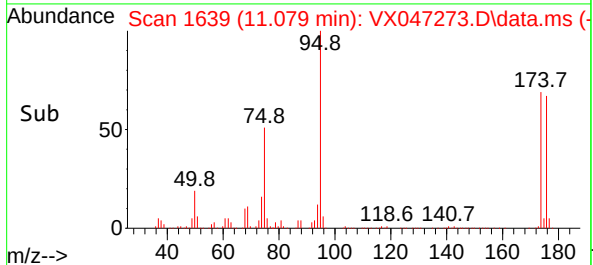
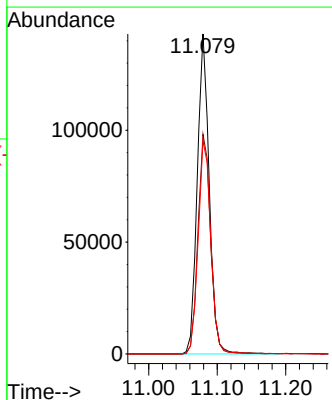
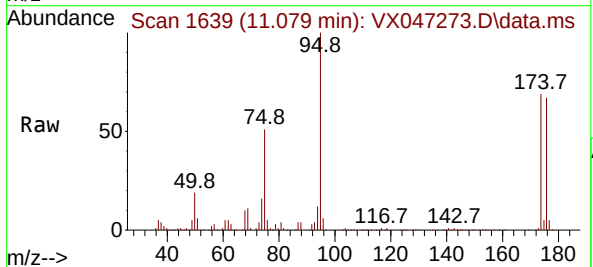
Instrument :
MSVOA_X
ClientSampleId :
VNJ-222

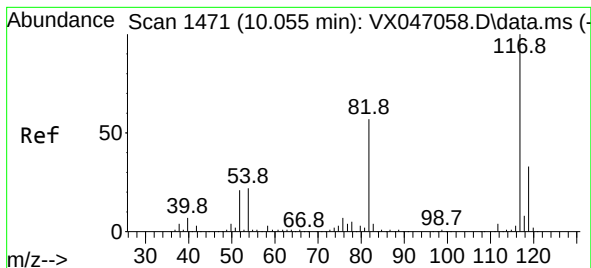
Tgt Ion: 43 Resp: 19085
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 49.525 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047273.D
Acq: 08 Aug 2025 15:51

Tgt Ion: 95 Resp: 174286
Ion Ratio Lower Upper
95 100
174 72.3 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. 0.000 min

Lab File: VX047273.D

Acq: 08 Aug 2025 15:51

Instrument :

MSVOA_X

ClientSampleId :

VNJ-222

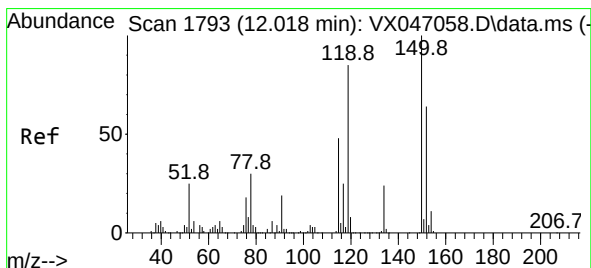
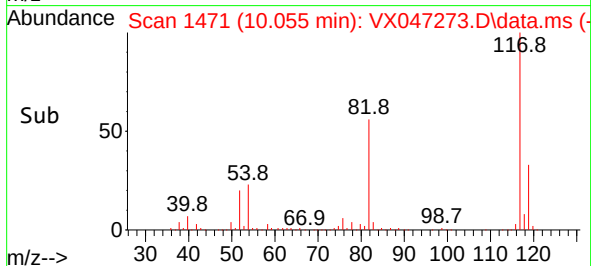
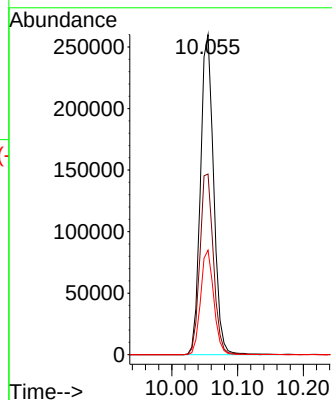
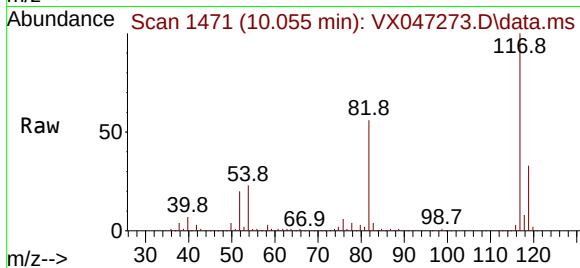
Tgt Ion:117 Resp: 362012

Ion Ratio Lower Upper

117 100

82 56.4 45.4 68.2

119 32.7 26.1 39.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047273.D

Acq: 08 Aug 2025 15:51

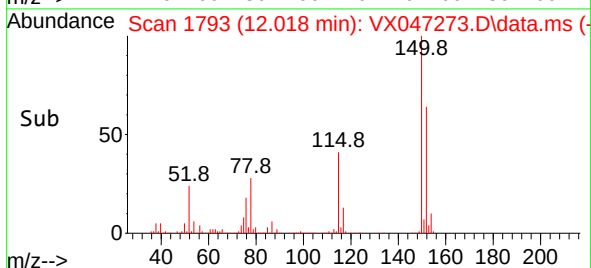
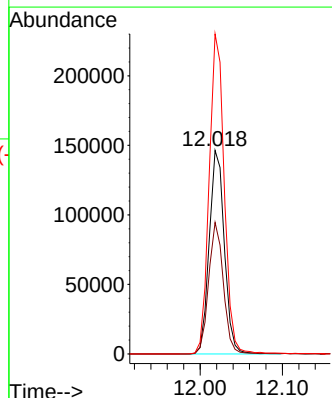
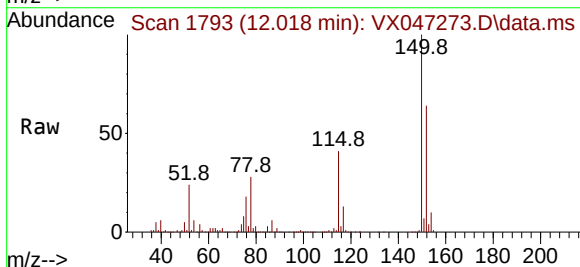
Tgt Ion:152 Resp: 187549

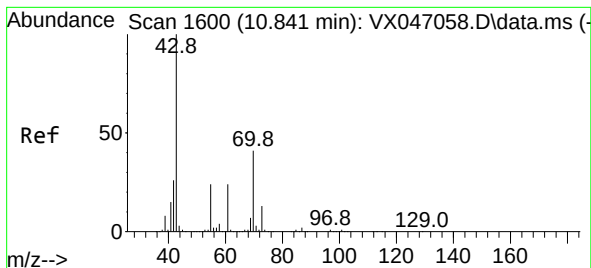
Ion Ratio Lower Upper

152 100

115 62.6 45.6 136.7

150 156.6 0.0 354.6





#74

N-amy1 acetate

Concen: 0.228 ug/l

RT: 10.799 min Scan# 1639

Delta R.T. -0.042 min

Lab File: VX047273.D

Acq: 08 Aug 2025 15:51

Instrument :

MSVOA_X

ClientSampleId :

VNJ-222

Tgt Ion: 43 Resp: 1363

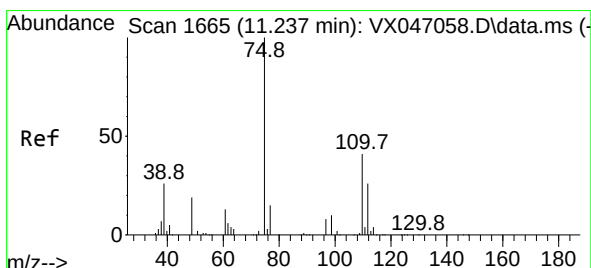
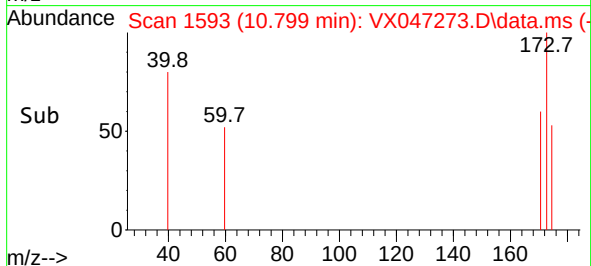
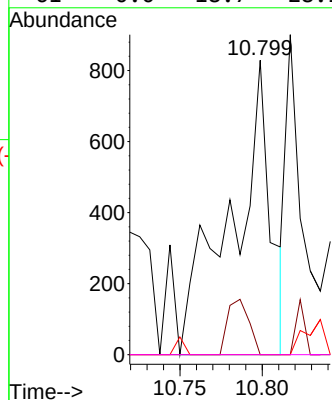
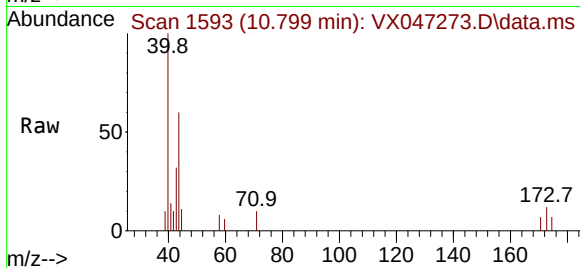
Ion Ratio Lower Upper

43 100

70 10.3 32.3 48.5#

55 0.0 18.9 28.3#

61 0.0 18.7 28.1#



#76

1,2,3-Trichloropropane

Concen: 25.789 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047273.D

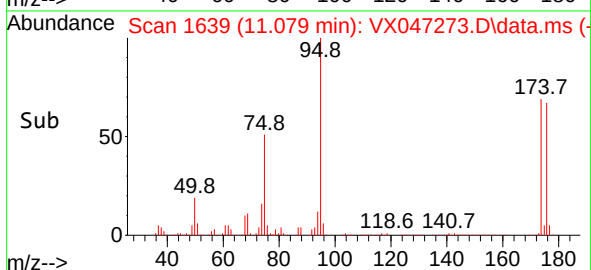
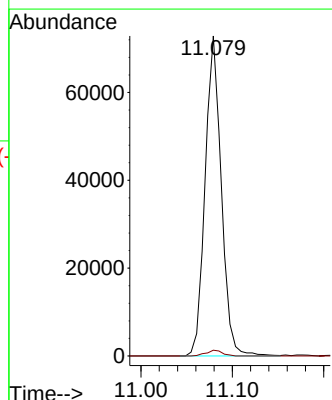
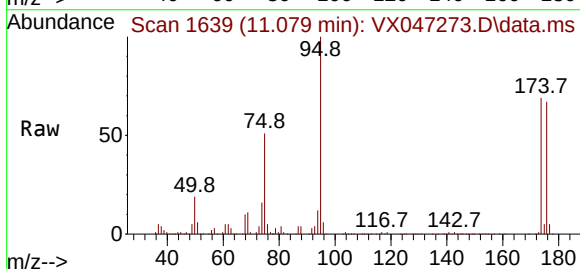
Acq: 08 Aug 2025 15:51

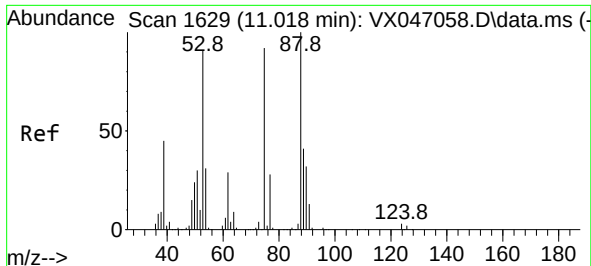
Tgt Ion: 75 Resp: 89525

Ion Ratio Lower Upper

75 100

77 1.8 21.6 65.0#

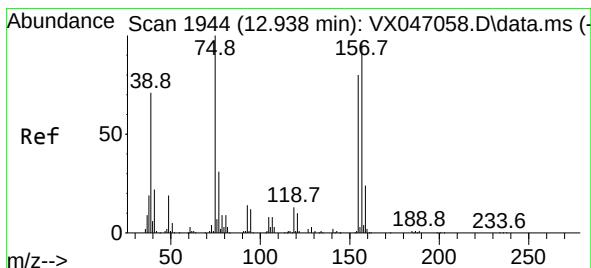
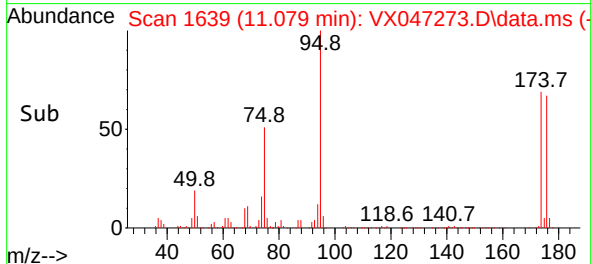
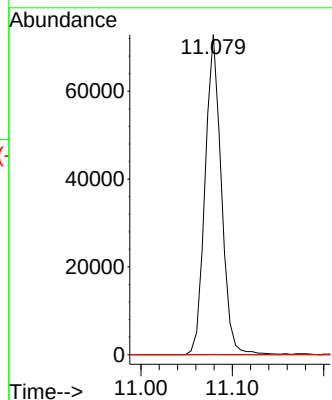
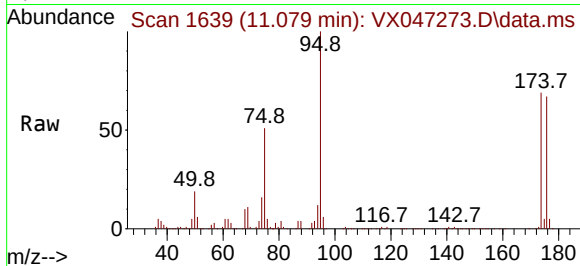




#81
trans-1,4-Dichloro-2-butene
Concen: 66.443 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX047273.D
Acq: 08 Aug 2025 15:51

Instrument :
MSVOA_X
ClientSampleId :
VNJ-222

Tgt Ion: 75 Resp: 89525
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.287 ug/l
RT: 12.762 min Scan# 1915
Delta R.T. -0.177 min
Lab File: VX047273.D
Acq: 08 Aug 2025 15:51

Tgt Ion: 75 Resp: 233
Ion Ratio Lower Upper
75 100
155 0.0 41.3 124.1#
157 0.0 52.8 158.3#

