

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
 Data File : VX046145.D
 Acq On : 12 May 2025 17:52
 Operator : JC/MD
 Sample : Q2004-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-220

Quant Time: May 13 03:21:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

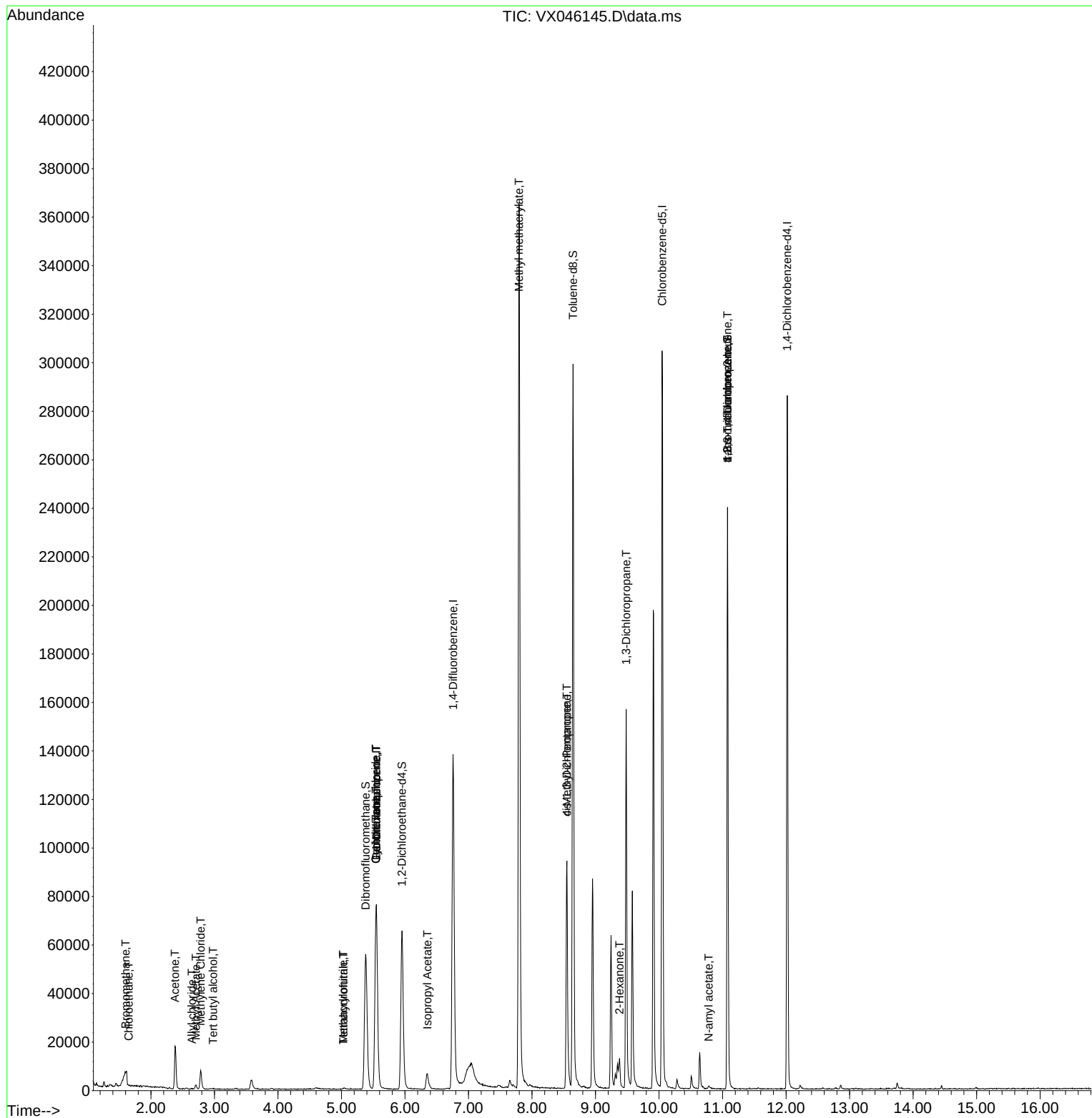
Internal Standards						
1) Pentafluorobenzene	5.550	168	64592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131713	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67227	55.827	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.660%			
35) Dibromofluoromethane	5.379	113	49035	51.699	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.400%			
50) Toluene-d8	8.647	98	167185	50.928	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.860%			
62) 4-Bromofluorobenzene	11.079	95	63162	50.159	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.320%			
Target Compounds					Qvalue	
5) Bromomethane	1.599	94	148	0.358	ug/l #	4
6) Chloroethane	1.648	64	167	0.351	ug/l #	44
11) Tert butyl alcohol	2.977	59	221	1.307	ug/l #	72
14) Allyl chloride	2.642	41	326	0.223	ug/l #	21
16) Acetone	2.380	43	19752	40.909	ug/l	99
18) Methyl Acetate	2.709	43	2442	2.180	ug/l #	86
20) Methylene Chloride	2.782	84	3585	3.875	ug/l #	96
29) Tetrahydrofuran	5.032	42	272	0.619	ug/l #	68
31) Cyclohexane	5.544	56	1820	1.268	ug/l #	5
36) 1,1-Dichloropropene	5.550	75	6536	5.129	ug/l #	52
38) Carbon Tetrachloride	5.544	117	7612	5.316	ug/l #	17
41) Methacrylonitrile	5.026	41	207	0.251	ug/l #	25
43) Isopropyl Acetate	6.355	43	9926	4.132	ug/l	98
48) Methyl methacrylate	7.793	41	36601	29.837	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	36506	22.897	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	13956	9.853	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	1245	0.768	ug/l #	42
59) 2-Hexanone	9.378	43	8604	7.294	ug/l #	28
74) N-amyl acetate	10.781	43	989	0.495	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	35558	28.457	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35558	92.648	ug/l #	1

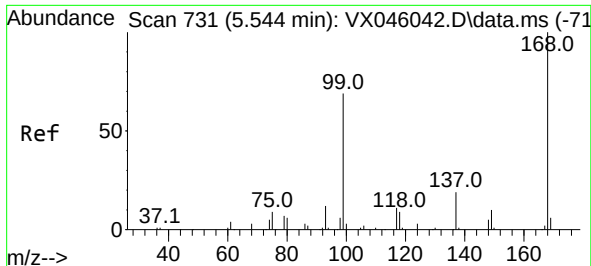
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

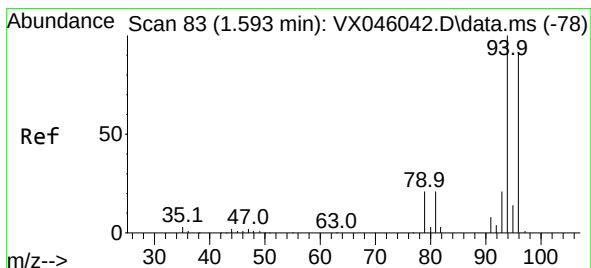
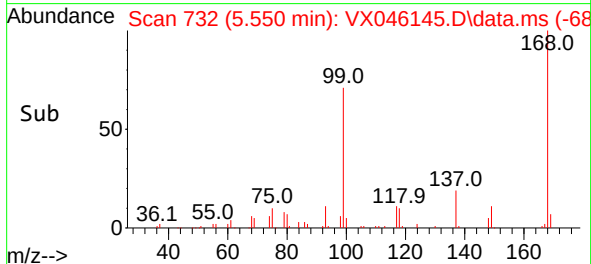
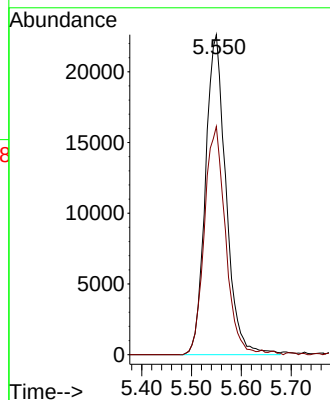
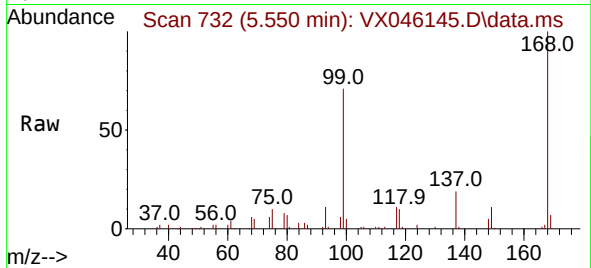




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

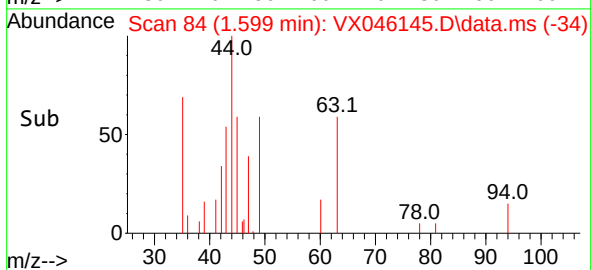
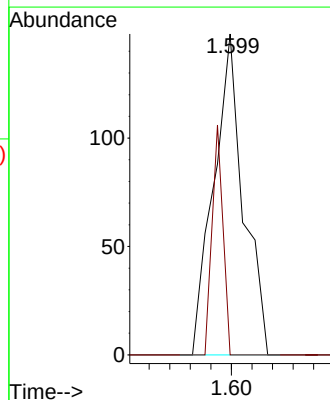
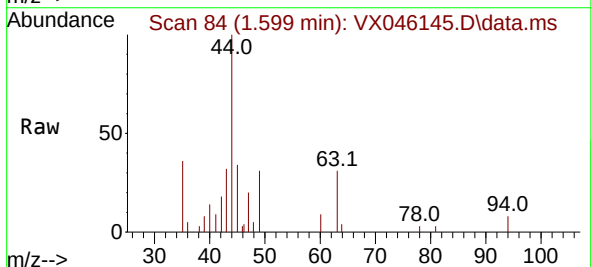
Instrument :
MSVOA_X
ClientSampleId :
VNJ-220

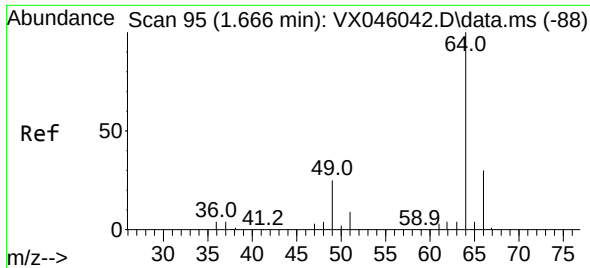
Tgt Ion:168 Resp: 64592
Ion Ratio Lower Upper
168 100
99 71.3 54.9 82.3



#5
Bromomethane
Concen: 0.358 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

Tgt Ion: 94 Resp: 148
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#

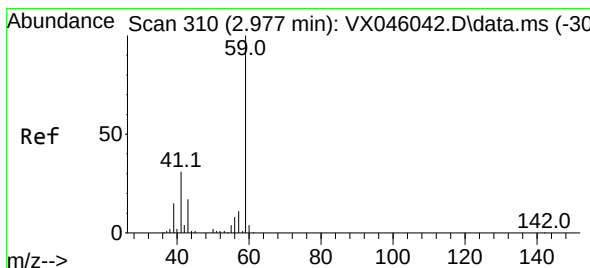
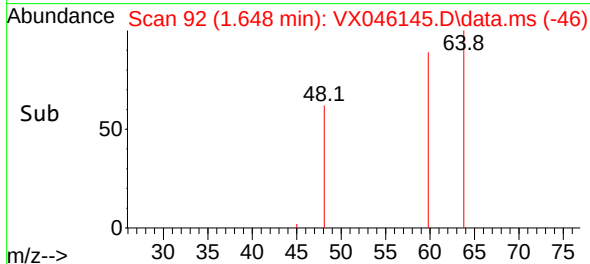
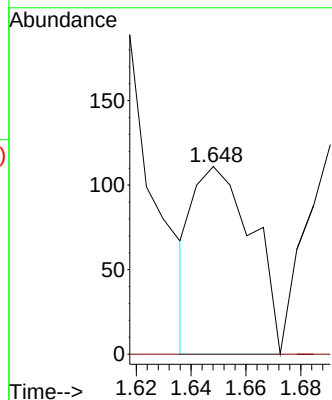
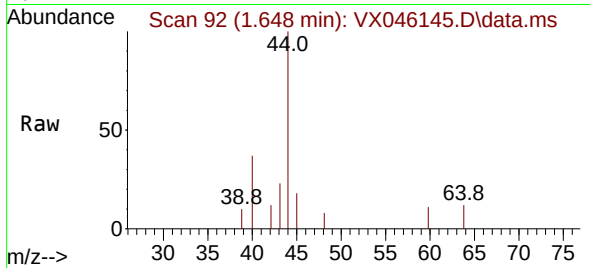




#6
Chloroethane
Concen: 0.351 ug/l
RT: 1.648 min Scan# 91
Delta R.T. -0.018 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

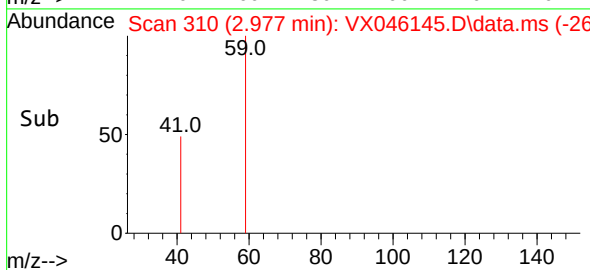
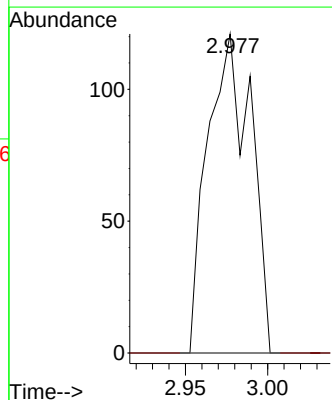
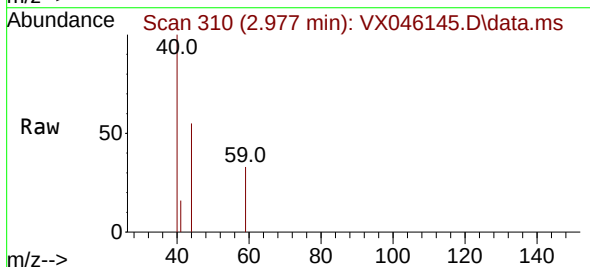
Instrument :
MSVOA_X
ClientSampleId :
VNJ-220

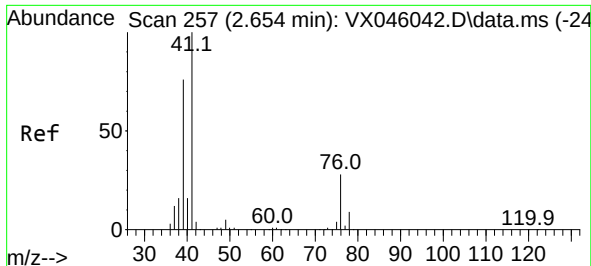
Tgt Ion: 64 Resp: 167
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#



#11
Tert butyl alcohol
Concen: 1.307 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

Tgt Ion: 59 Resp: 221
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

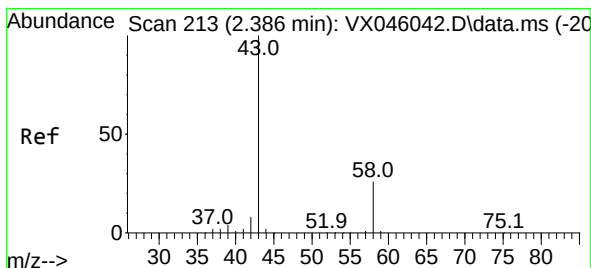
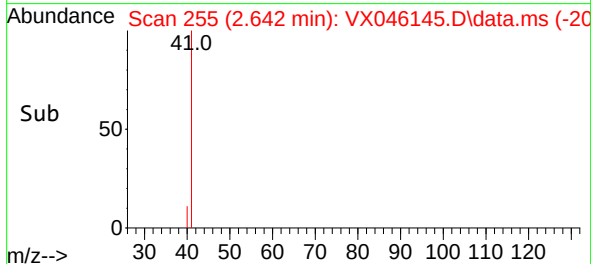
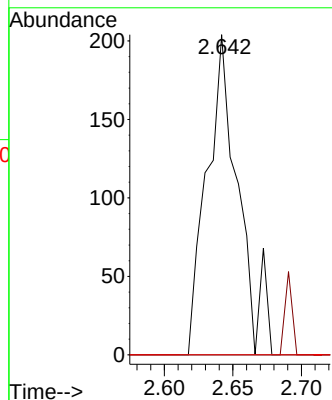
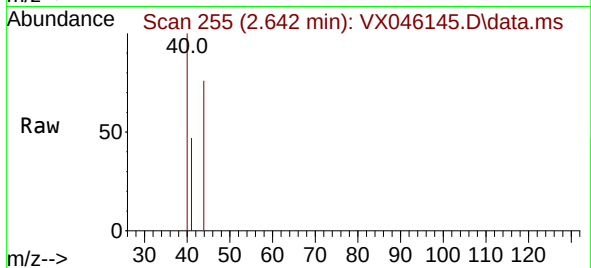




#14
Allyl chloride
Concen: 0.223 ug/l
RT: 2.642 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

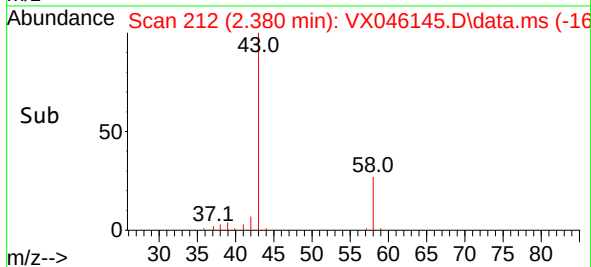
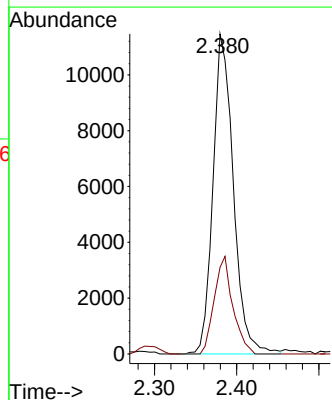
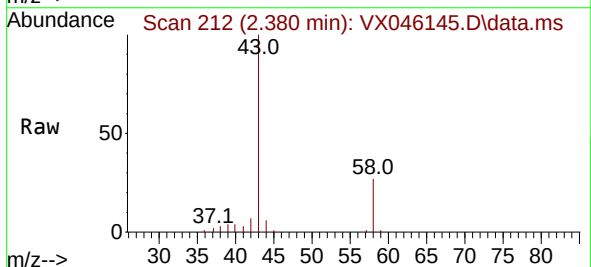
Instrument :
MSVOA_X
ClientSampleId :
VNJ-220

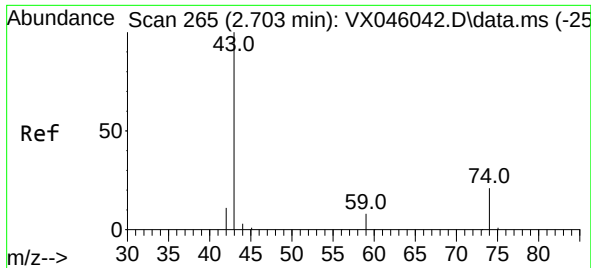
Tgt Ion: 41 Resp: 326
Ion Ratio Lower Upper
41 100
39 0.0 60.6 90.8#
76 0.0 24.9 37.3#



#16
Acetone
Concen: 40.909 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

Tgt Ion: 43 Resp: 19752
Ion Ratio Lower Upper
43 100
58 27.0 21.2 31.8

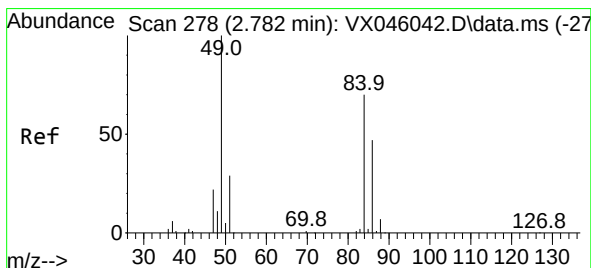
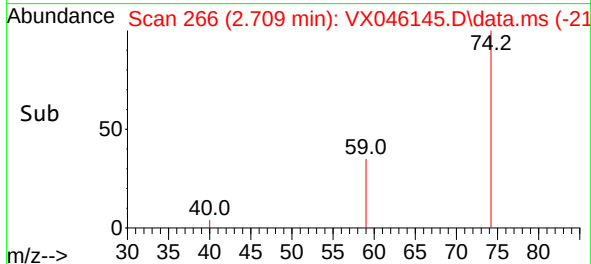
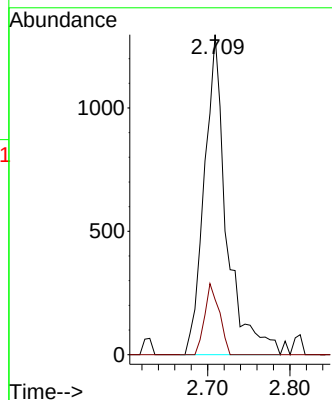
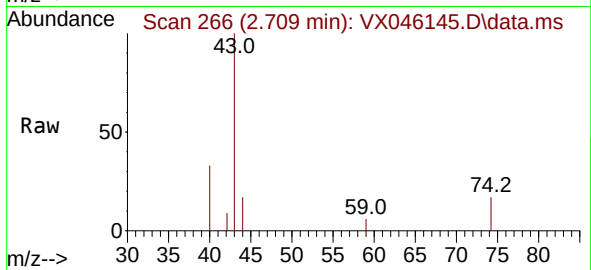




#18
Methyl Acetate
Concen: 2.180 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

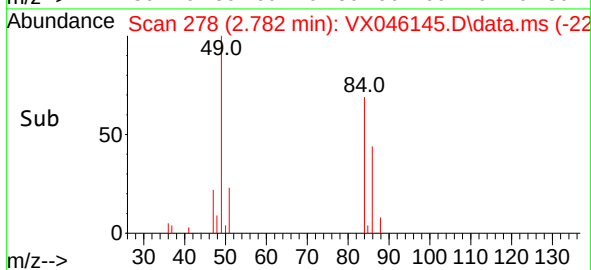
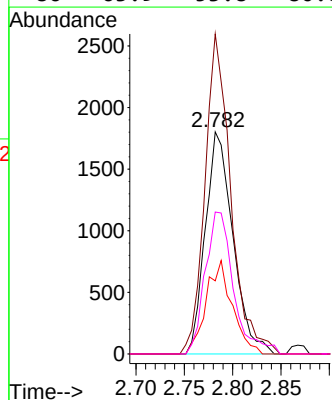
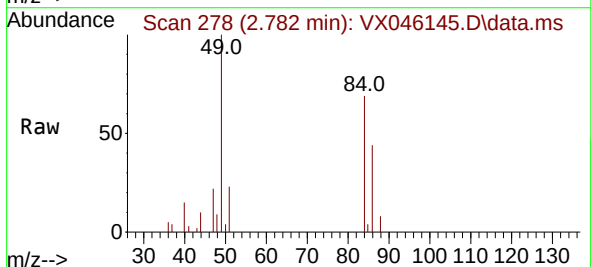
Instrument :
MSVOA_X
ClientSampleId :
VNJ-220

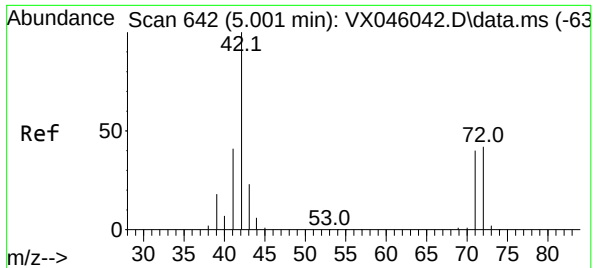
Tgt Ion: 43 Resp: 2442
Ion Ratio Lower Upper
43 100
74 14.6 16.7 25.1#



#20
Methylene Chloride
Concen: 3.875 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

Tgt Ion: 84 Resp: 3585
Ion Ratio Lower Upper
84 100
49 144.1 113.9 170.9
51 32.9 33.5 50.3#
86 63.9 53.8 80.8

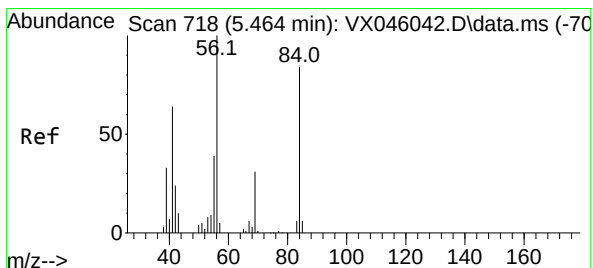
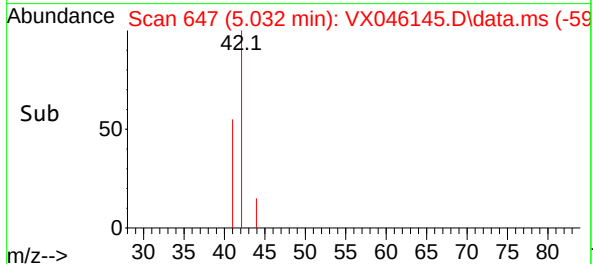
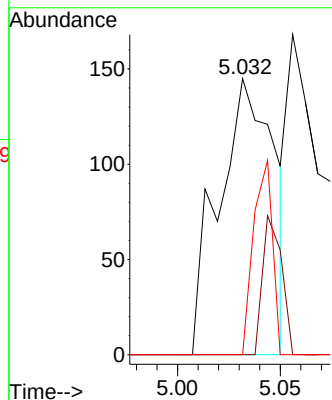
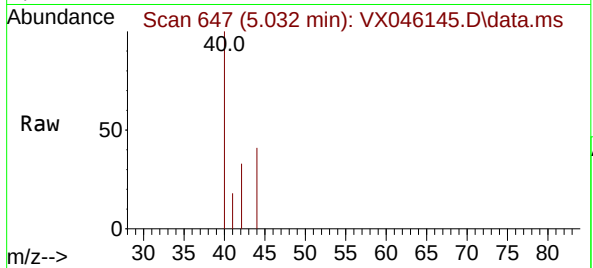




#29
Tetrahydrofuran
Concen: 0.619 ug/l
RT: 5.032 min Scan# 642
Delta R.T. 0.030 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

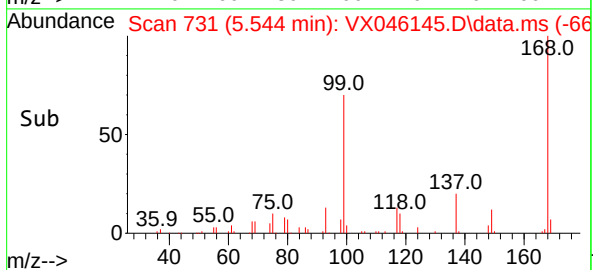
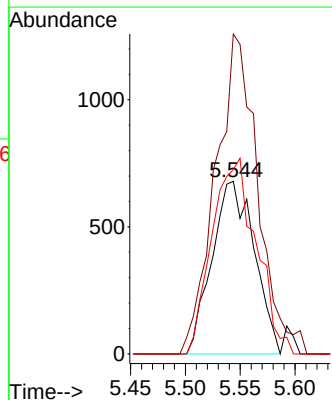
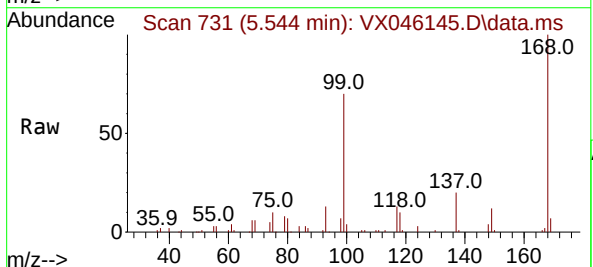
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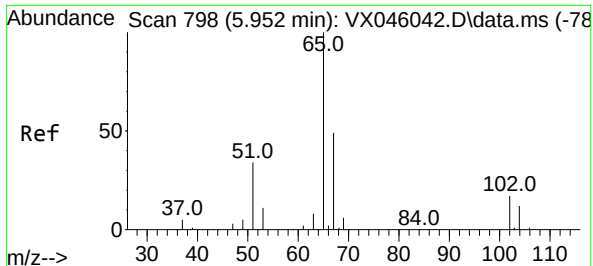
Tgt Ion: 42 Resp: 272
Ion Ratio Lower Upper
42 100
72 17.3 33.7 50.5#
71 23.9 31.4 47.2#



#31
Cyclohexane
Concen: 1.268 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

Tgt Ion: 56 Resp: 1820
Ion Ratio Lower Upper
56 100
69 185.4 24.4 36.6#
84 106.9 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 55.827 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046145.D

Acq: 12 May 2025 17:52

Instrument :

MSVOA_X

ClientSampleId :

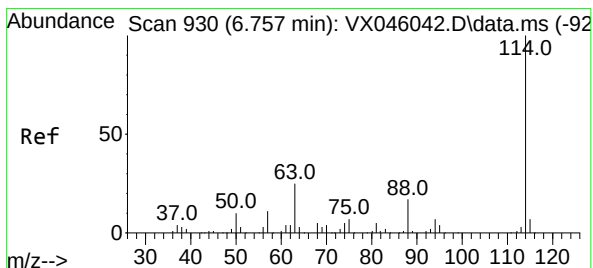
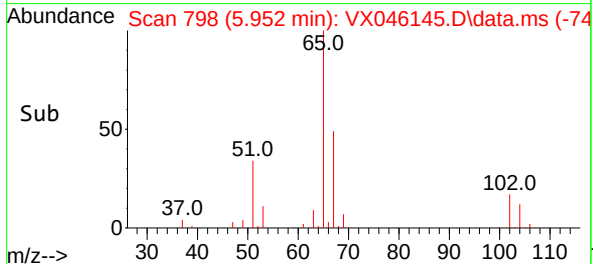
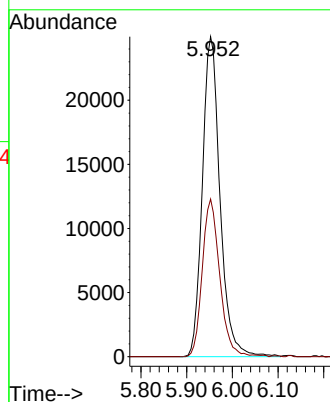
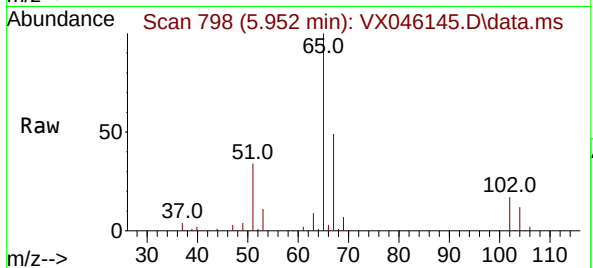
VNJ-220

Tgt Ion: 65 Resp: 67227

Ion Ratio Lower Upper

65 100

67 48.7 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX046145.D

Acq: 12 May 2025 17:52

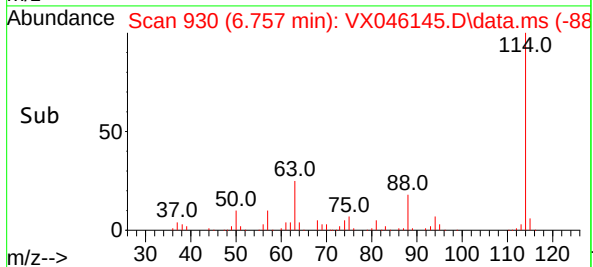
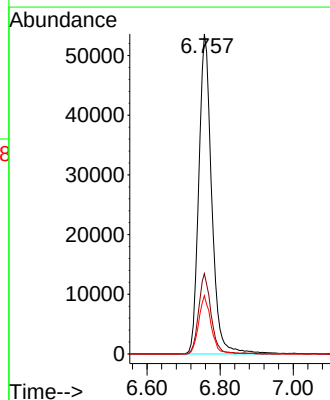
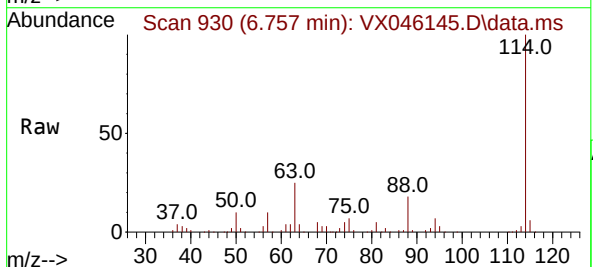
Tgt Ion: 114 Resp: 131713

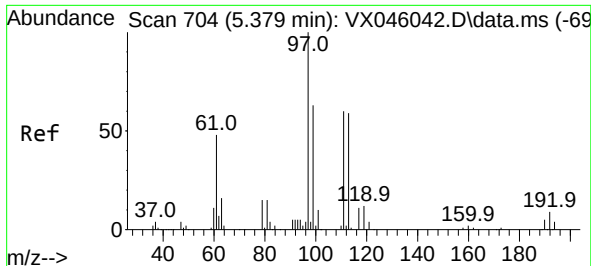
Ion Ratio Lower Upper

114 100

63 25.1 0.0 49.2

88 18.2 0.0 33.6

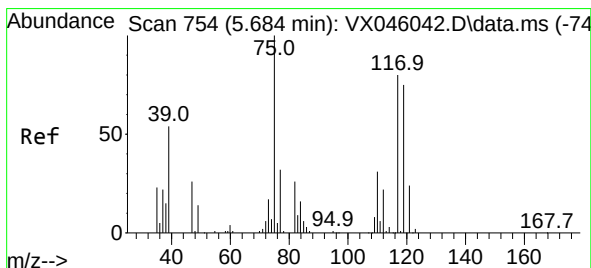
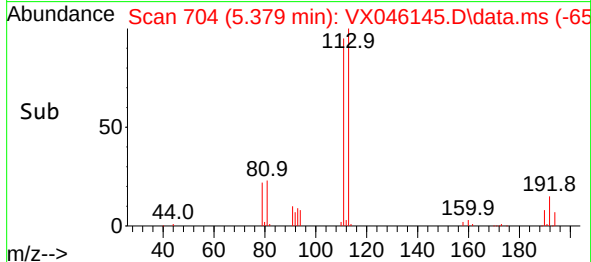
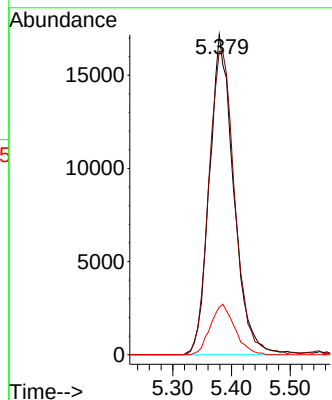
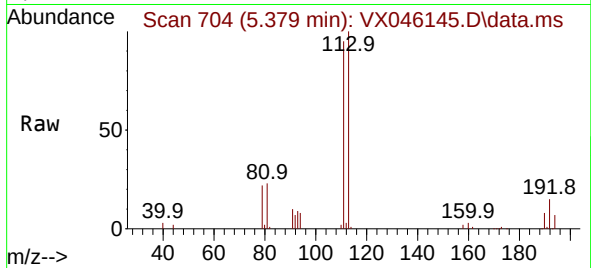




#35
Dibromofluoromethane
Concen: 51.699 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

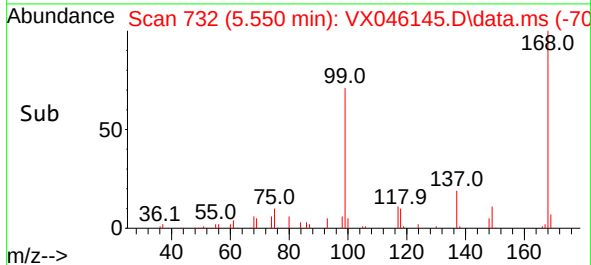
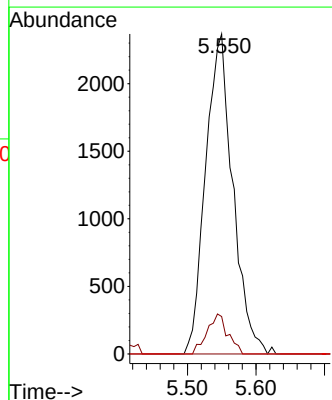
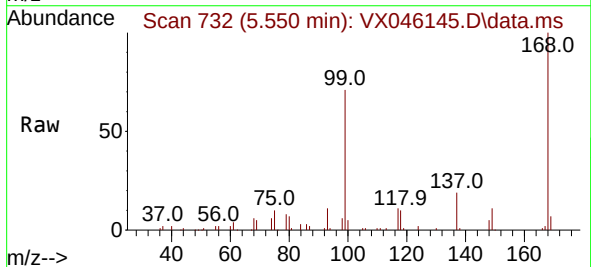
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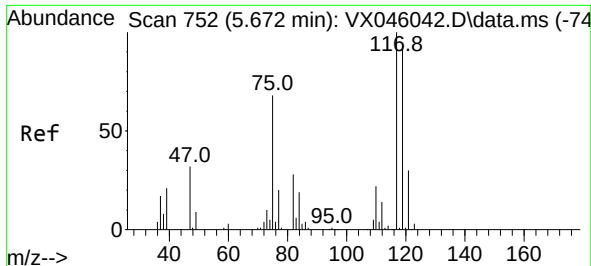
Tgt Ion:113 Resp: 49035
Ion Ratio Lower Upper
113 100
111 101.7 83.1 124.7
192 15.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.129 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX046145.D
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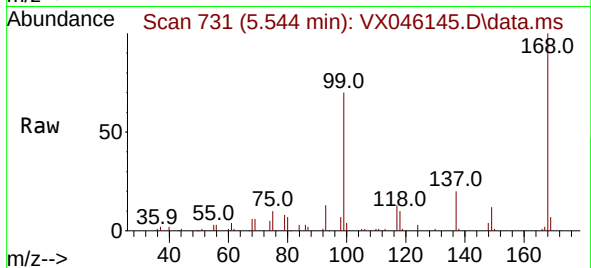
Tgt Ion: 75 Resp: 6536
Ion Ratio Lower Upper
75 100
110 9.5 16.3 48.9#
77 0.0 24.3 36.5#



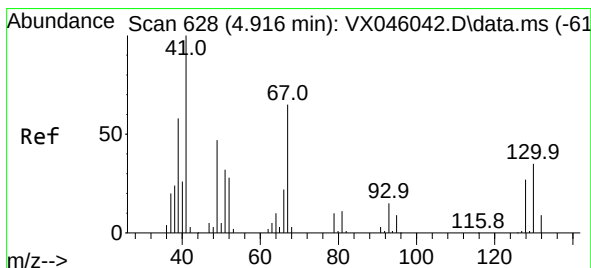
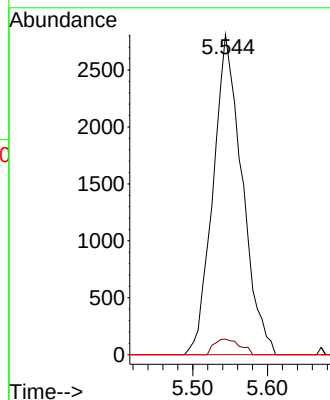
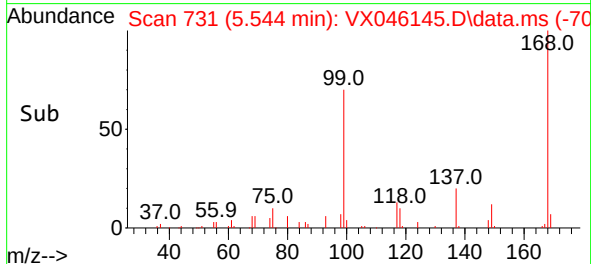


#38
Carbon Tetrachloride
Concen: 5.316 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VNJ-220

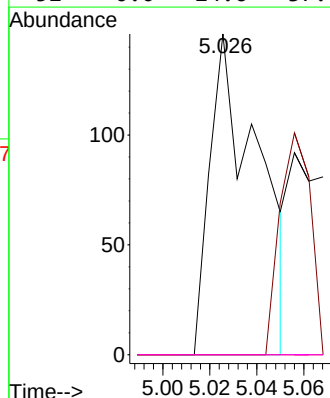
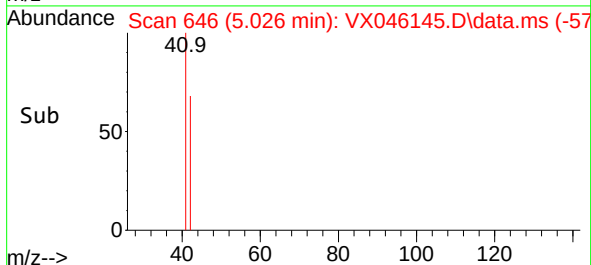
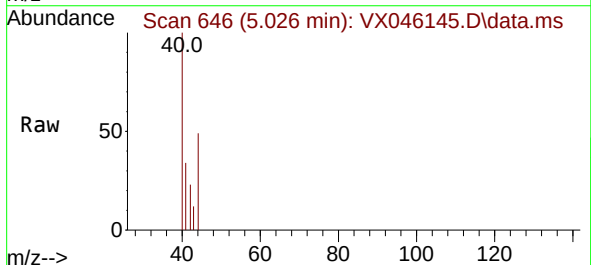


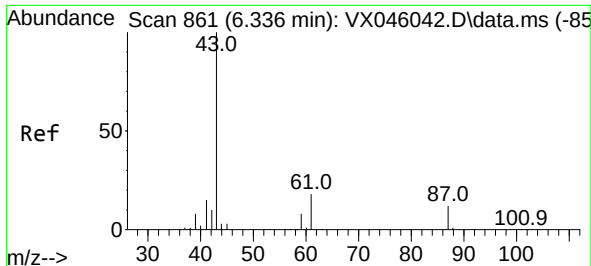
Tgt Ion:117 Resp: 7612
Ion Ratio Lower Upper
117 100
119 4.9 75.2 112.8#
121 0.0 24.2 36.4#



#41
Methacrylonitrile
Concen: 0.251 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.110 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

Tgt Ion: 41 Resp: 207
Ion Ratio Lower Upper
41 100
39 0.0 47.2 70.8#
67 0.0 50.7 76.1#
52 0.0 24.6 37.0#

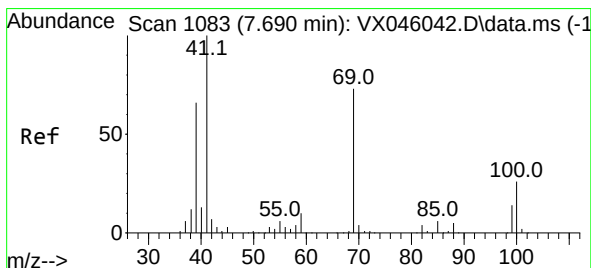
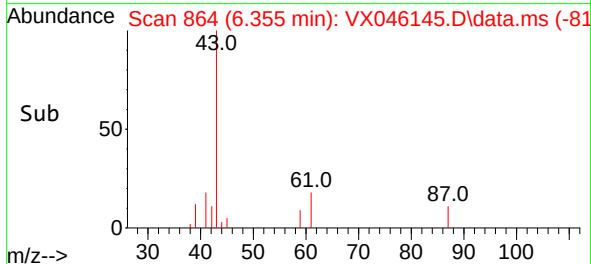
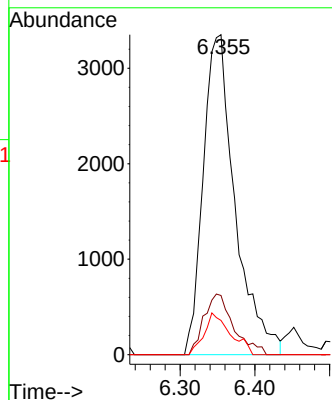
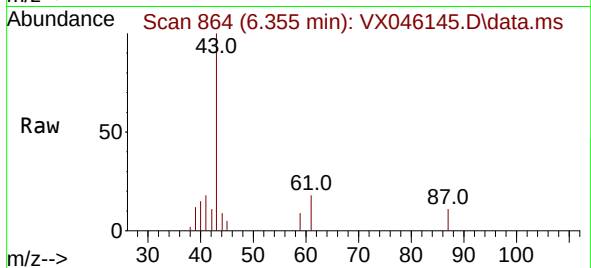




#43
Isopropyl Acetate
Concen: 4.132 ug/l
RT: 6.355 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

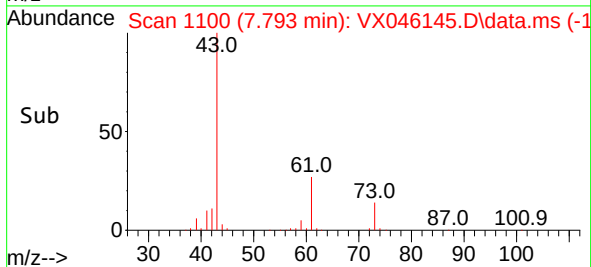
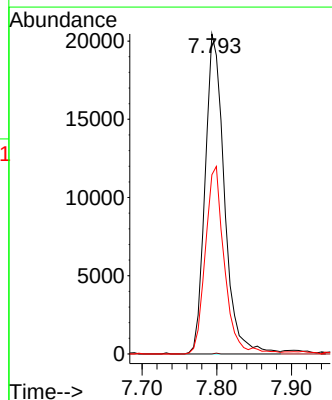
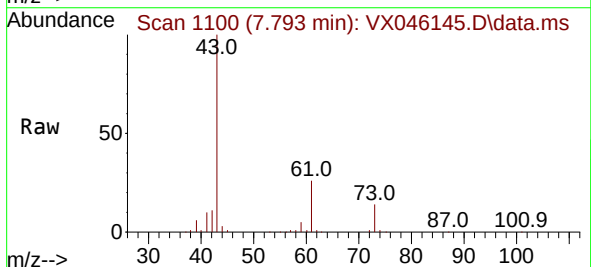
Instrument :
MSVOA_X
ClientSampleId :
VNJ-220

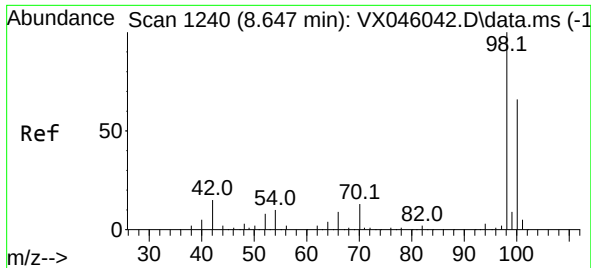
Tgt Ion: 43 Resp: 9926
Ion Ratio Lower Upper
43 100
61 17.6 14.3 21.5
87 10.7 9.5 14.3



#48
Methyl methacrylate
Concen: 29.837 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

Tgt Ion: 41 Resp: 36601
Ion Ratio Lower Upper
41 100
69 0.1 58.5 87.7#
39 58.1 51.7 77.5

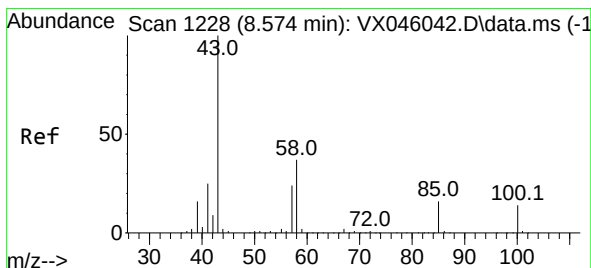
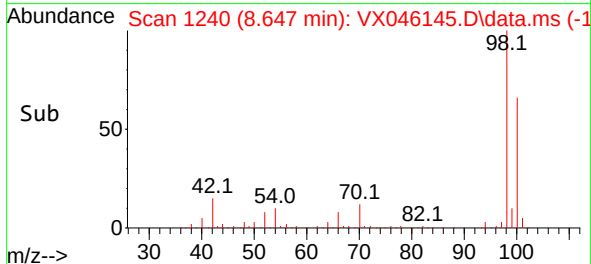
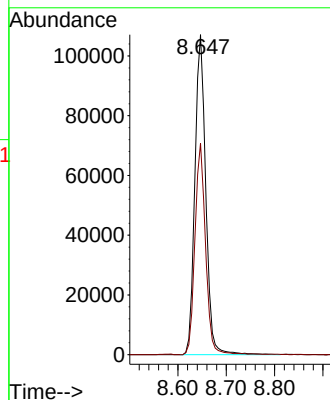
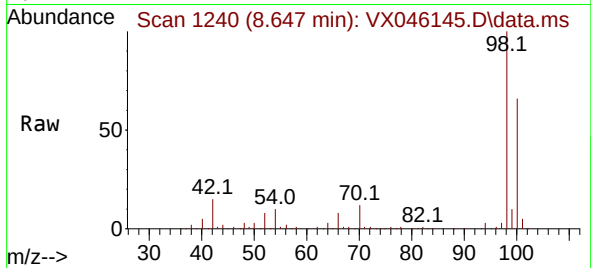




#50
Toluene-d8
Concen: 50.928 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

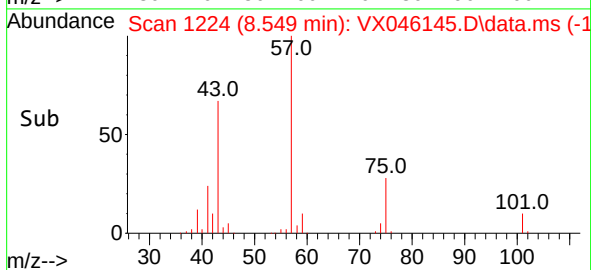
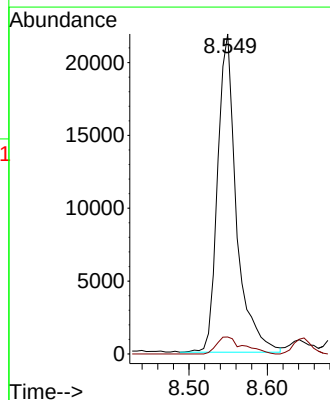
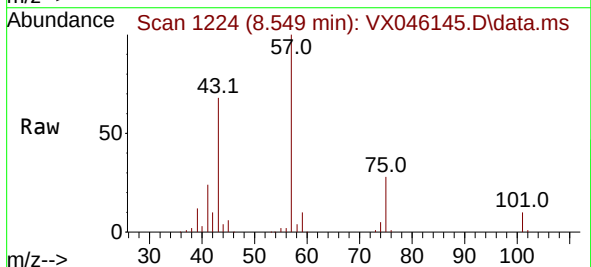
Instrument :
MSVOA_X
ClientSampleId :
VNJ-220

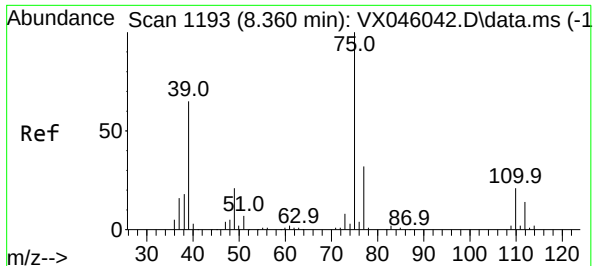
Tgt Ion: 98 Resp: 167185
Ion Ratio Lower Upper
98 100
100 64.6 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 22.897 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

Tgt Ion: 43 Resp: 36506
Ion Ratio Lower Upper
43 100
58 7.5 28.9 43.3#

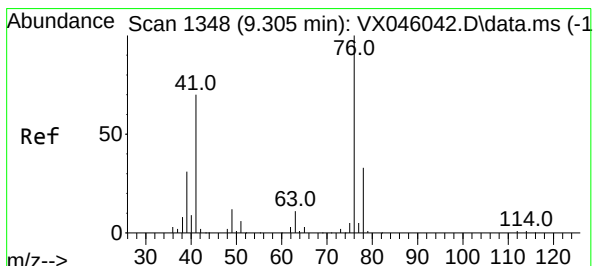
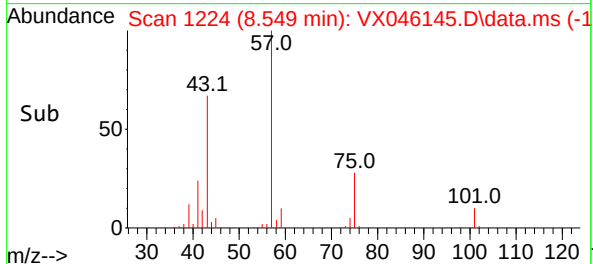
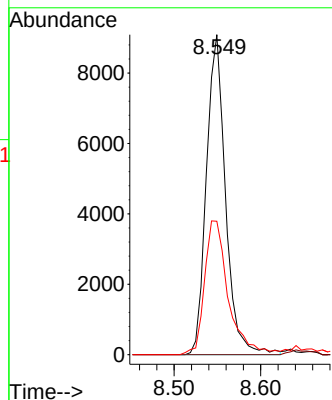
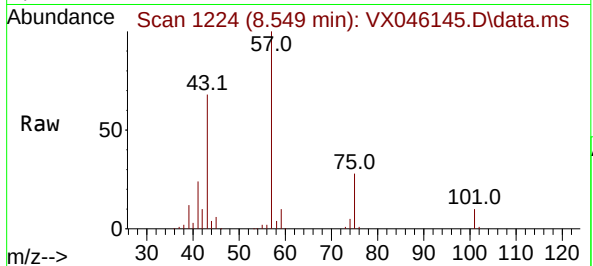




#54
 cis-1,3-Dichloropropene
 Concen: 9.853 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX046145.D
 Acq: 12 May 2025 17:52

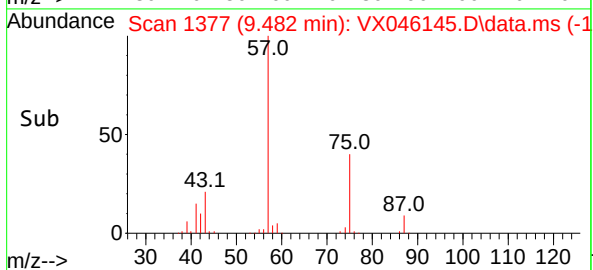
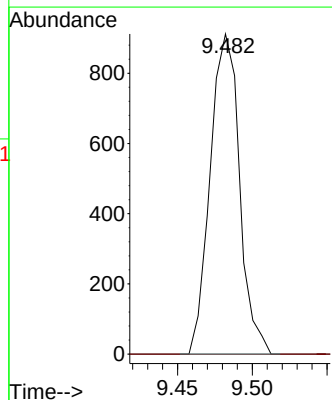
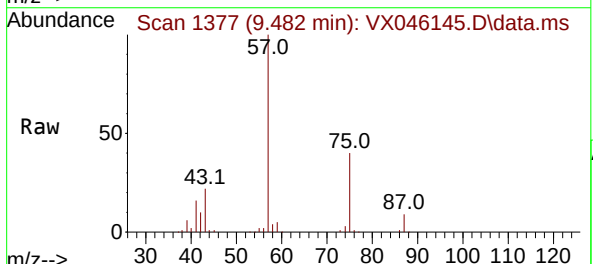
Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-220

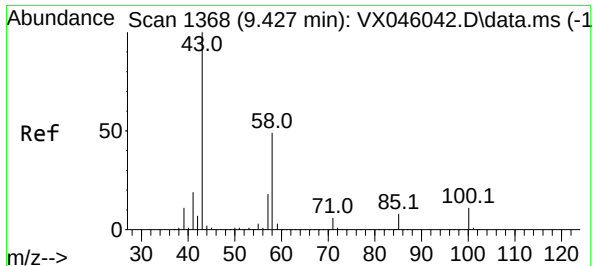
Tgt Ion: 75 Resp: 13956
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 41.7 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.768 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046145.D
 Acq: 12 May 2025 17:52

Tgt Ion: 76 Resp: 1245
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

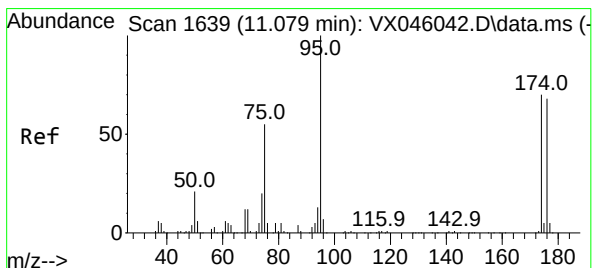
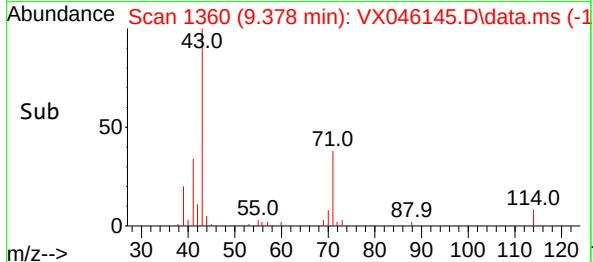
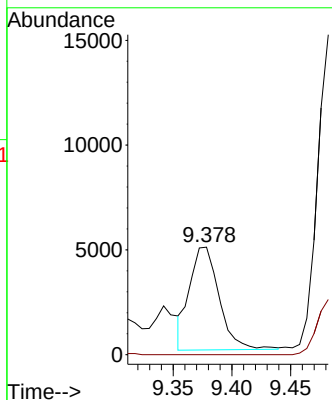
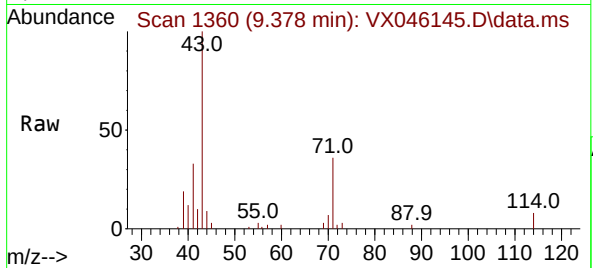




#59
2-Hexanone
Concen: 7.294 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

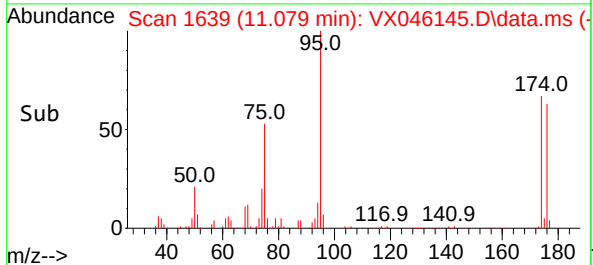
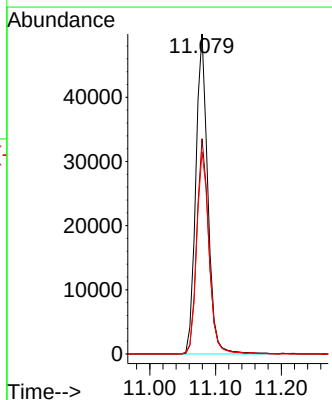
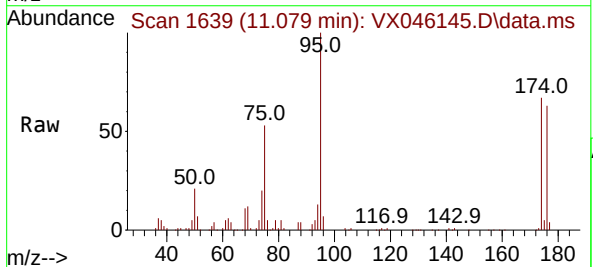
Instrument :
MSVOA_X
ClientSampleId :
VNJ-220

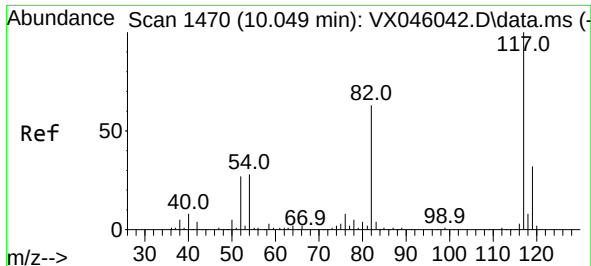
Tgt Ion: 43 Resp: 8604
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 50.159 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

Tgt Ion: 95 Resp: 63162
Ion Ratio Lower Upper
95 100
174 67.8 0.0 135.8
176 64.9 0.0 131.4

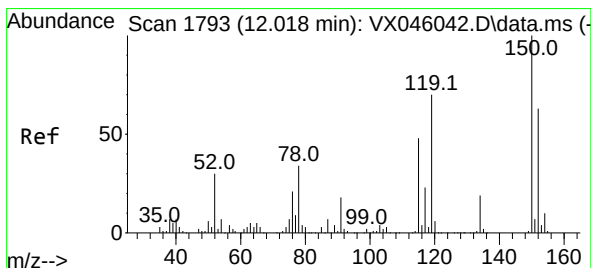
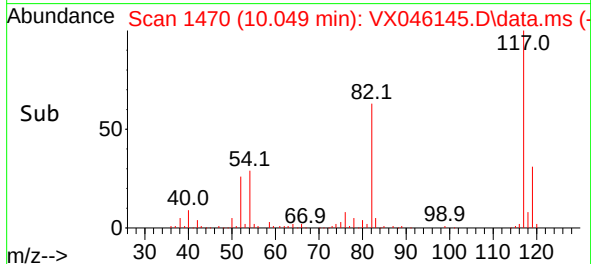
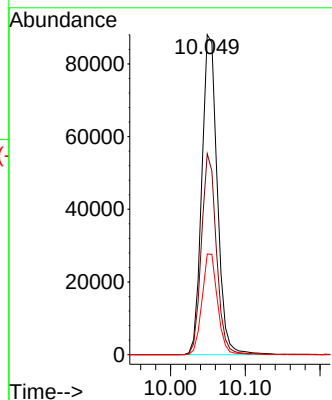
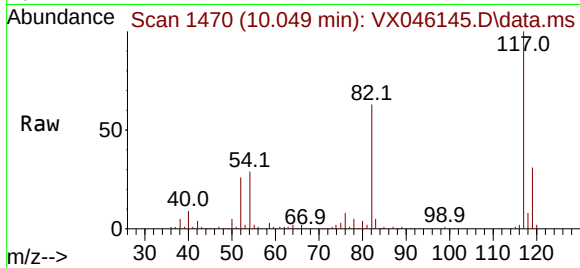




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

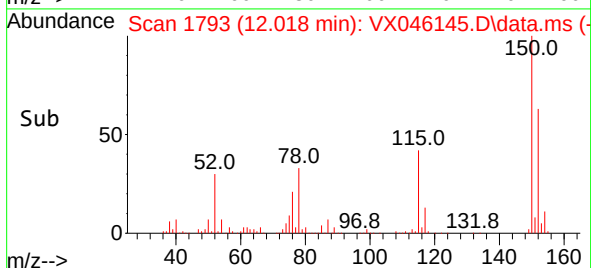
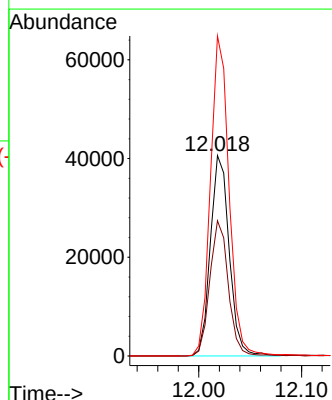
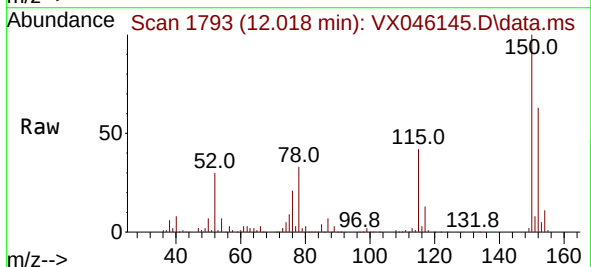
Instrument :
MSVOA_X
ClientSampleId :
VNJ-220

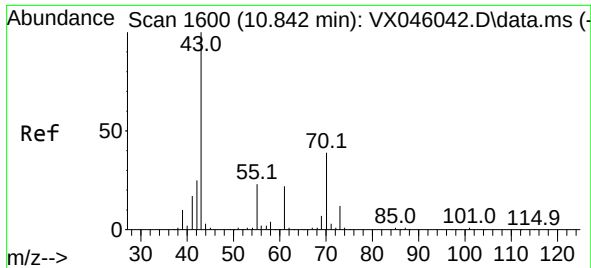
Tgt Ion:117 Resp: 126576
Ion Ratio Lower Upper
117 100
82 62.8 50.6 76.0
119 31.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

Tgt Ion:152 Resp: 51911
Ion Ratio Lower Upper
152 100
115 66.4 46.9 140.7
150 157.8 0.0 351.0

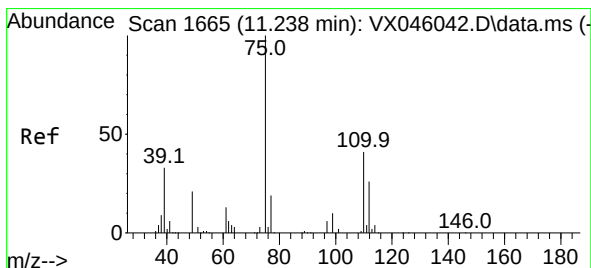
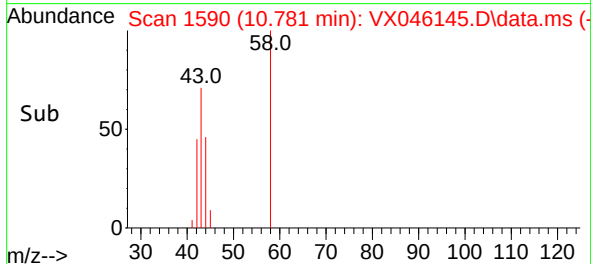
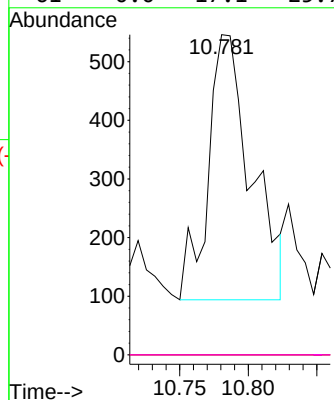
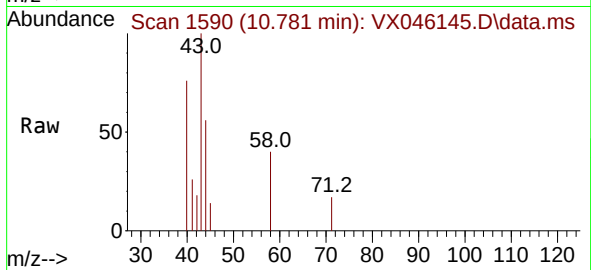




#74
N-amy1 acetate
Concen: 0.495 ug/l
RT: 10.781 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

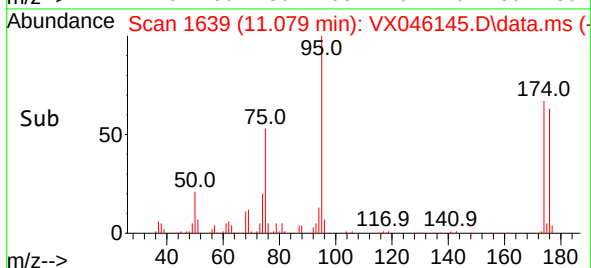
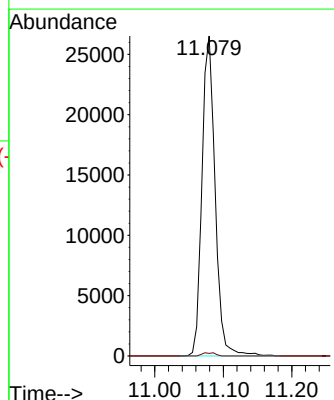
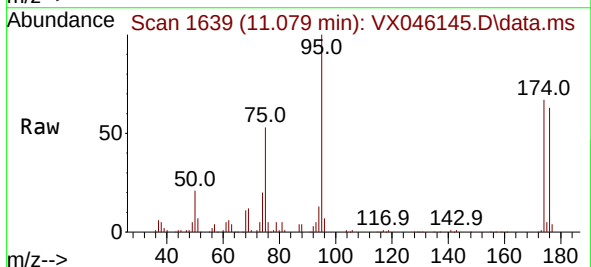
Instrument :
MSVOA_X
ClientSampleId :
VNJ-220

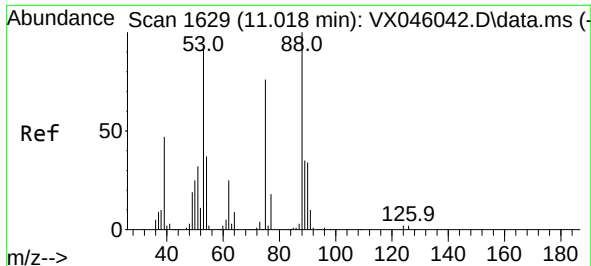
Tgt Ion:	43	Resp:	989
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.9	46.3#
55	0.0	18.7	28.1#
61	0.0	17.1	25.7#



#76
1,2,3-Trichloropropane
Concen: 28.457 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

Tgt Ion:	75	Resp:	35558
Ion	Ratio	Lower	Upper
75	100		
77	1.0	20.5	61.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 92.648 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046145.D
Acq: 12 May 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
VNJ-220

Tgt Ion: 75 Resp: 35558
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

