

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
 Data File : VX046144.D
 Acq On : 12 May 2025 17:29
 Operator : JC/MD
 Sample : Q1986-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-218

Quant Time: May 13 03:21:32 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)

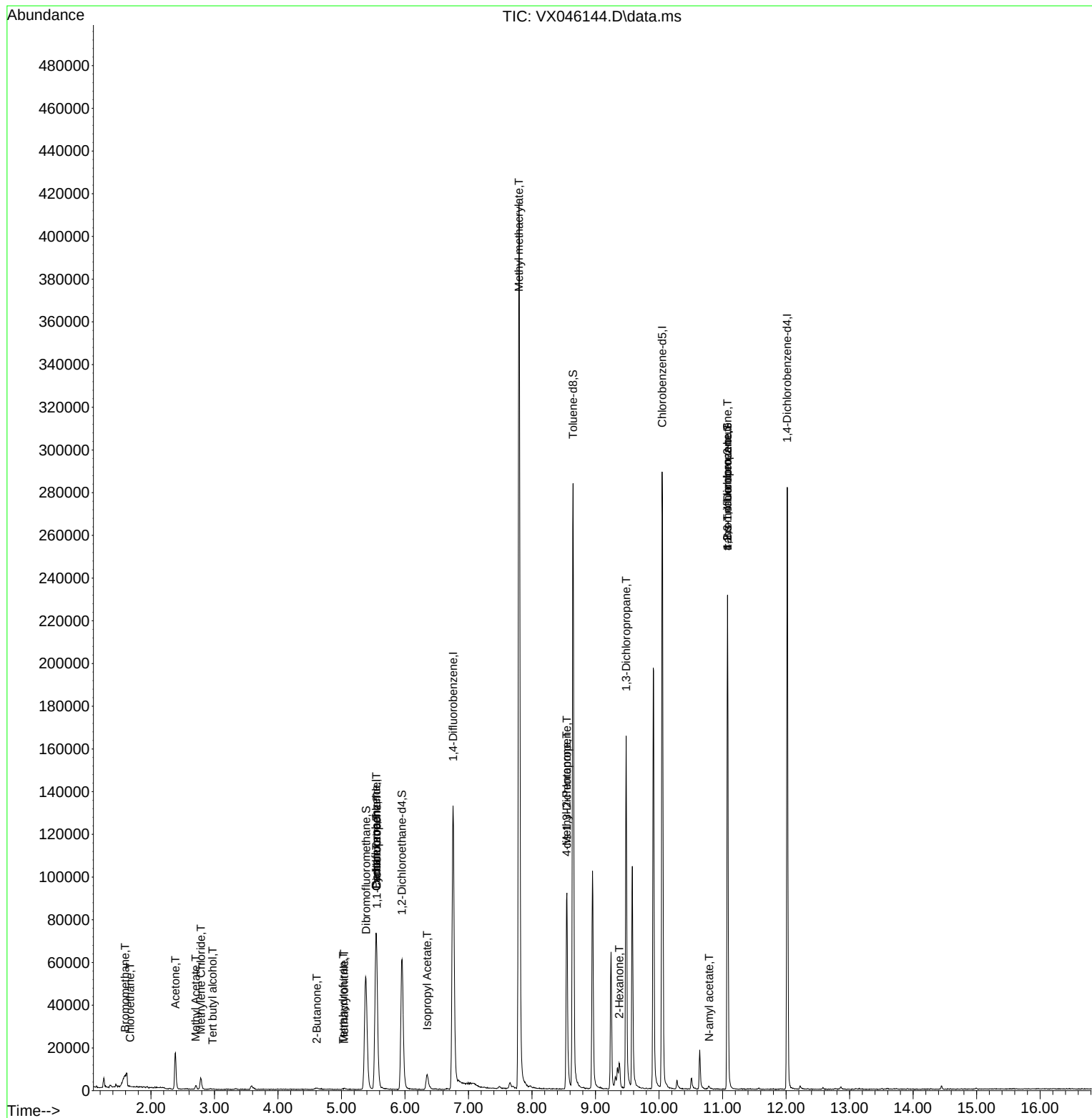
Internal Standards						
1) Pentafluorobenzene	5.544	168	62310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124531	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63033	54.261	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.520%			
35) Dibromofluoromethane	5.385	113	46779	52.165	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.320%			
50) Toluene-d8	8.647	98	160923	51.847	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.700%			
62) 4-Bromofluorobenzene	11.079	95	61480	51.639	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.280%			
Target Compounds					Qvalue	
5) Bromomethane	1.593	94	148	0.371	ug/l #	4
6) Chloroethane	1.672	64	93	0.202	ug/l #	44
11) Tert butyl alcohol	2.971	59	289	1.772	ug/l #	72
16) Acetone	2.386	43	18925	40.632	ug/l	97
18) Methyl Acetate	2.703	43	2600	2.406	ug/l #	85
20) Methylene Chloride	2.788	84	2504	2.805	ug/l	93
25) 2-Butanone	4.611	43	1736	2.567	ug/l	97
29) Tetrahydrofuran	5.026	42	166	0.392	ug/l #	45
31) Cyclohexane	5.550	56	1725	1.246	ug/l #	25
36) 1,1-Dichloropropene	5.556	75	5939	4.929	ug/l #	52
38) Carbon Tetrachloride	5.550	117	7544	5.573	ug/l #	17
41) Methacrylonitrile	5.044	41	281	0.361	ug/l #	43
43) Isopropyl Acetate	6.348	43	10787	4.750	ug/l	95
48) Methyl methacrylate	7.793	41	42147	36.339	ug/l #	49
51) 4-Methyl-2-Pentanone	8.543	43	37339	24.770	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	14270	10.655	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	1314	0.857	ug/l #	42
59) 2-Hexanone	9.372	43	8799	7.890	ug/l #	28
74) N-amyl acetate	10.787	43	1082	0.548	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	35200	28.507	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35200	92.809	ug/l #	1

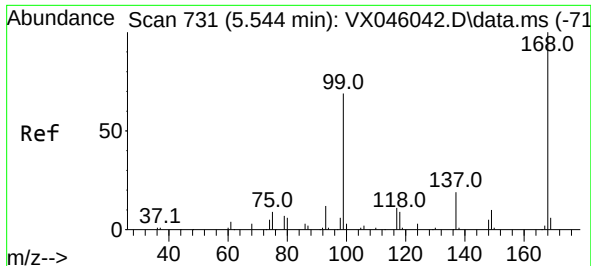
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

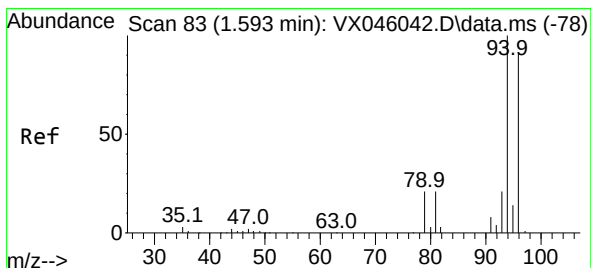
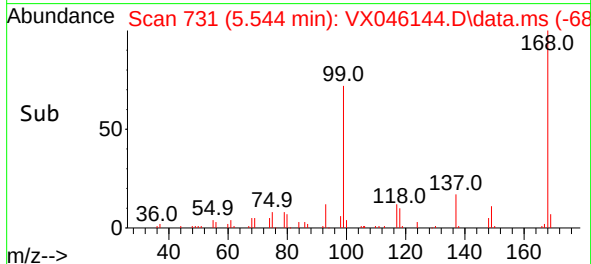
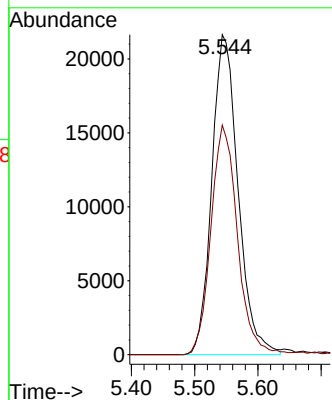
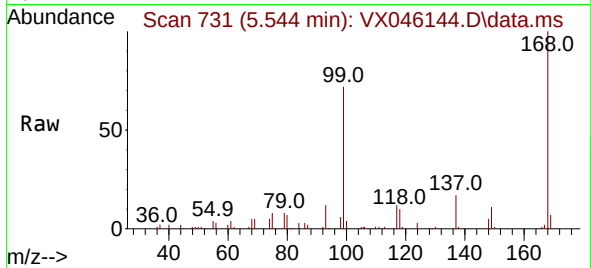




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046144.D
Acq: 12 May 2025 17:29

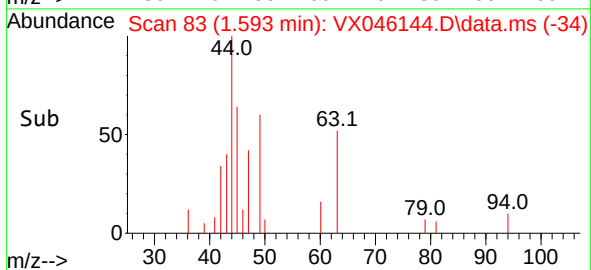
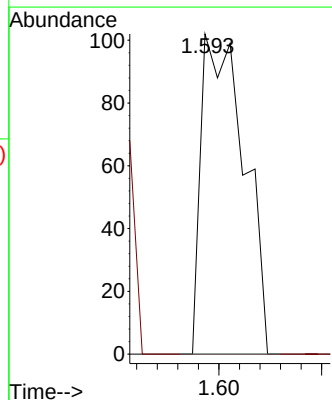
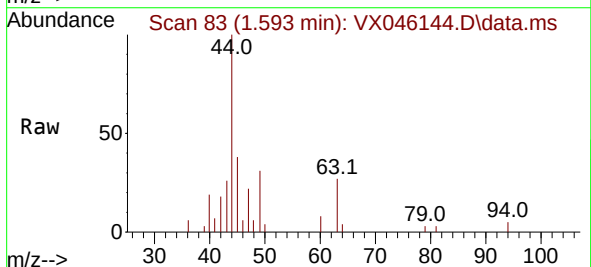
Instrument :
MSVOA_X
ClientSampleId :
VNJ-218

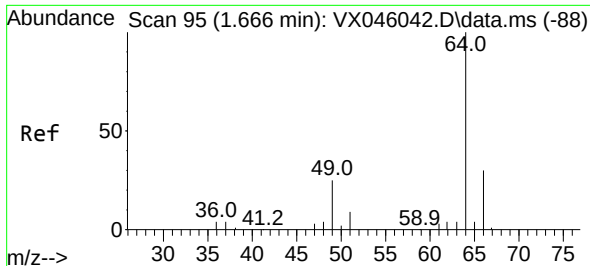
Tgt Ion:168 Resp: 62310
Ion Ratio Lower Upper
168 100
99 71.7 54.9 82.3



#5
Bromomethane
Concen: 0.371 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX046144.D
Acq: 12 May 2025 17:29

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

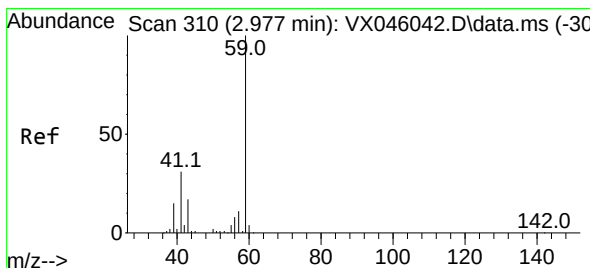
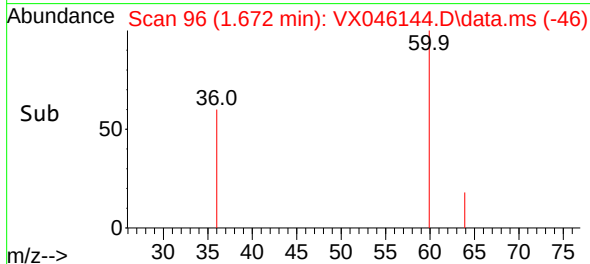
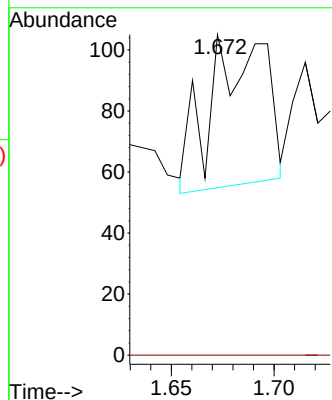
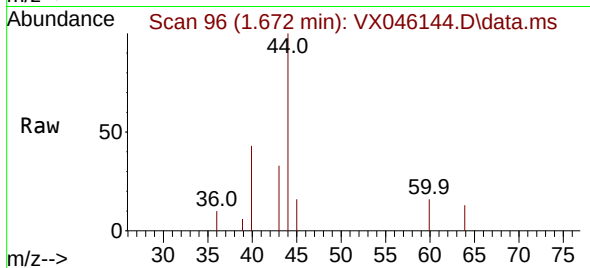




#6
 Chloroethane
 Concen: 0.202 ug/l
 RT: 1.672 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VX046144.D
 Acq: 12 May 2025 17:29

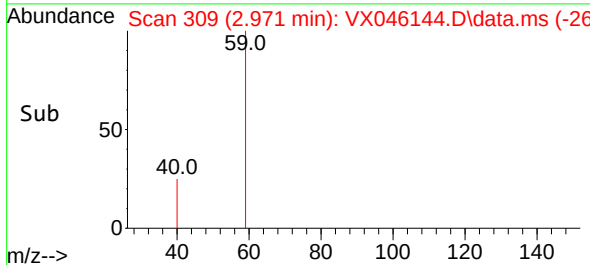
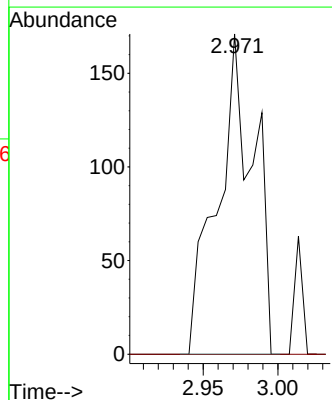
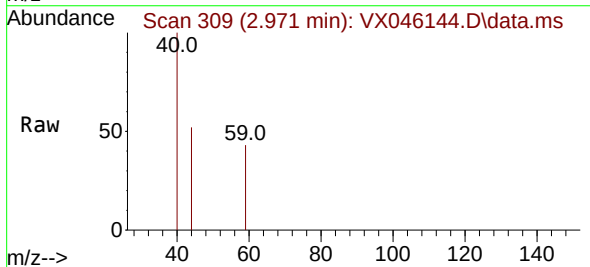
Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-218

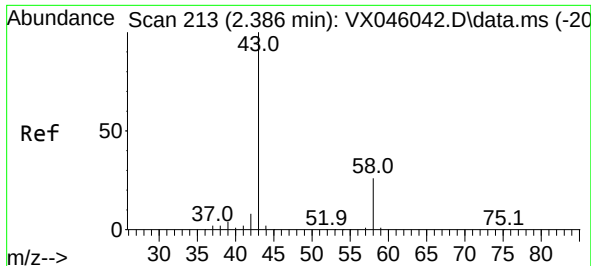
Tgt Ion: 64 Resp: 93
 Ion Ratio Lower Upper
 64 100
 66 0.0 24.3 36.5#



#11
 Tert butyl alcohol
 Concen: 1.772 ug/l
 RT: 2.971 min Scan# 309
 Delta R.T. -0.006 min
 Lab File: VX046144.D
 Acq: 12 May 2025 17:29

Tgt Ion: 59 Resp: 289
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

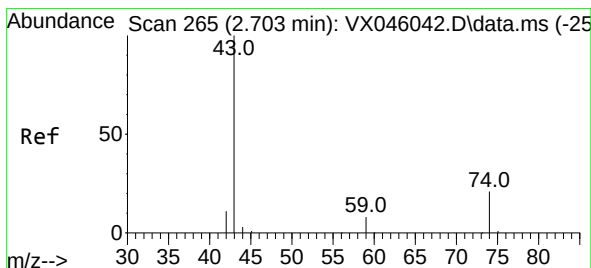
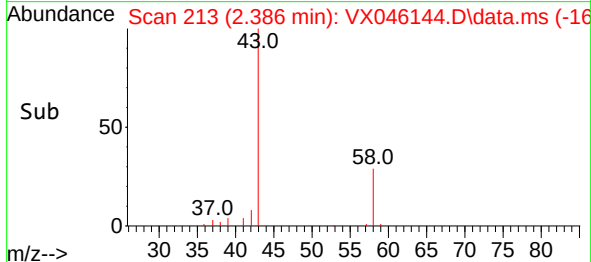
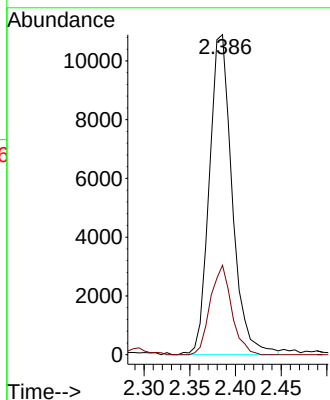
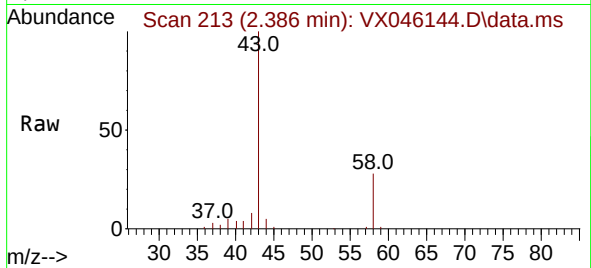




#16
Acetone
Concen: 40.632 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046144.D
Acq: 12 May 2025 17:29

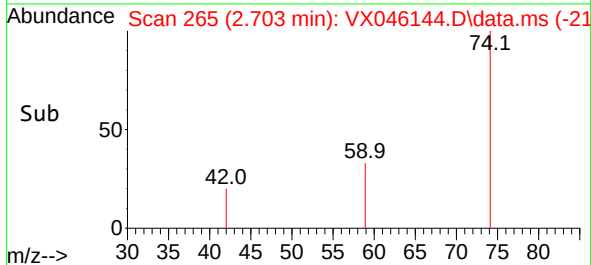
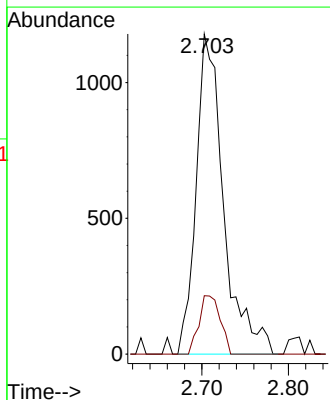
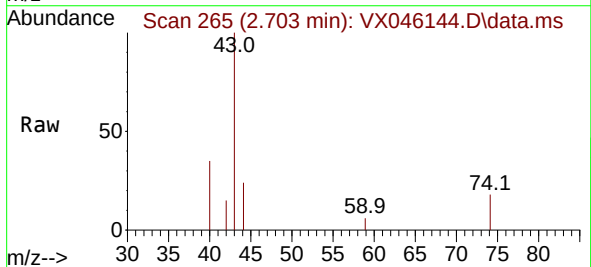
Instrument :
MSVOA_X
ClientSampleId :
VNJ-218

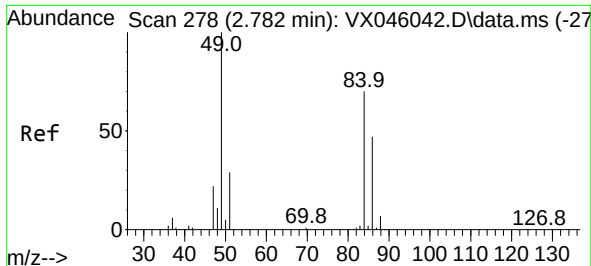
Tgt Ion: 43 Resp: 18925
Ion Ratio Lower Upper
43 100
58 28.0 21.2 31.8



#18
Methyl Acetate
Concen: 2.406 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046144.D
Acq: 12 May 2025 17:29

Tgt Ion: 43 Resp: 2600
Ion Ratio Lower Upper
43 100
74 14.1 16.7 25.1#

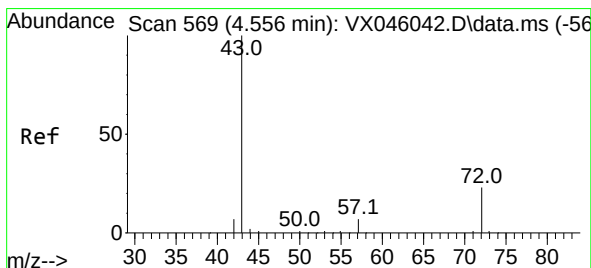
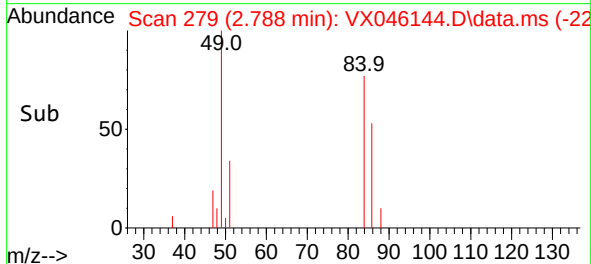
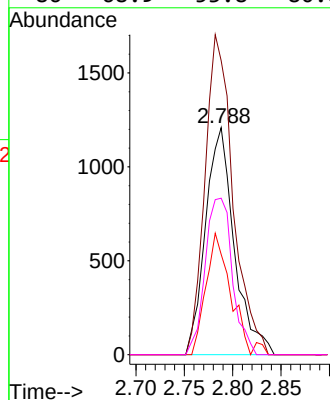
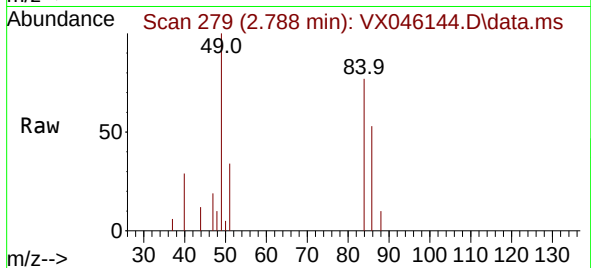




#20
Methylene Chloride
Concen: 2.805 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046144.D
Acq: 12 May 2025 17:29

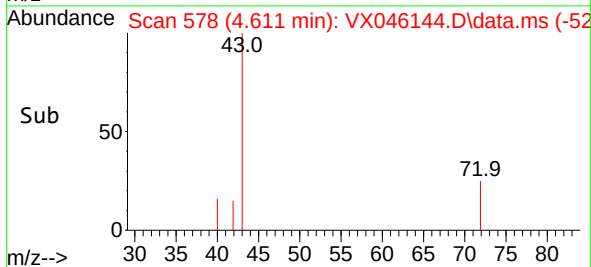
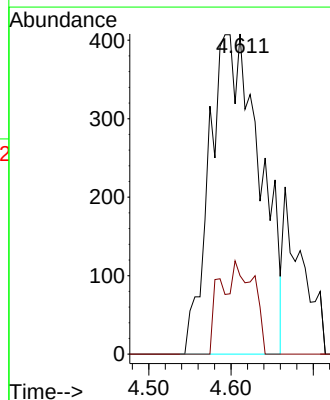
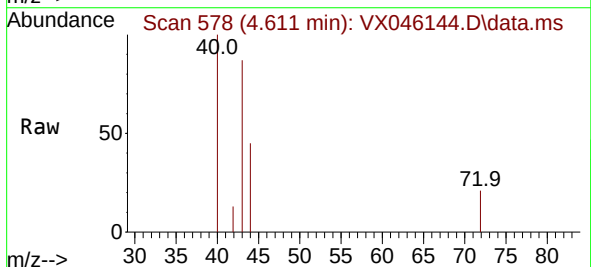
Instrument :
MSVOA_X
ClientSampleId :
VNJ-218

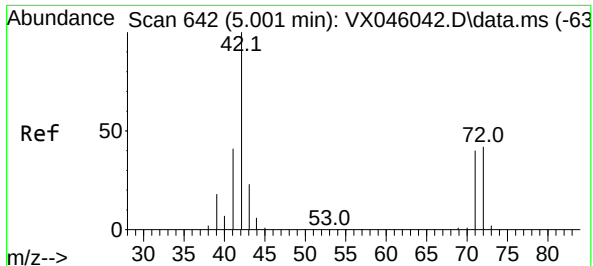
Tgt Ion:	84	Resp:	2504
Ion	Ratio	Lower	Upper
84	100		
49	129.5	113.9	170.9
51	44.2	33.5	50.3
86	68.9	53.8	80.8



#25
2-Butanone
Concen: 2.567 ug/l
RT: 4.611 min Scan# 578
Delta R.T. 0.055 min
Lab File: VX046144.D
Acq: 12 May 2025 17:29

Tgt Ion:	43	Resp:	1736
Ion	Ratio	Lower	Upper
43	100		
72	24.5	18.4	27.6





#29

Tetrahydrofuran

Concen: 0.392 ug/l

RT: 5.026 min Scan# 642

Delta R.T. 0.024 min

Lab File: VX046144.D

Acq: 12 May 2025 17:29

Instrument :

MSVOA_X

ClientSampleId :

VNJ-218

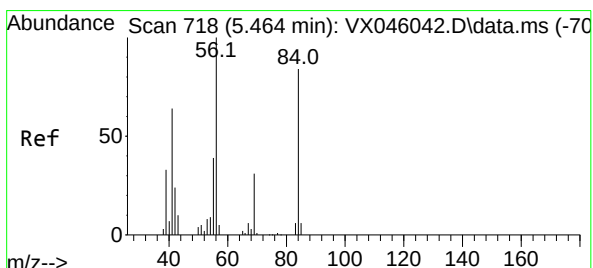
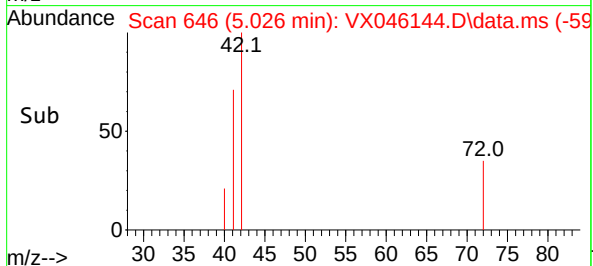
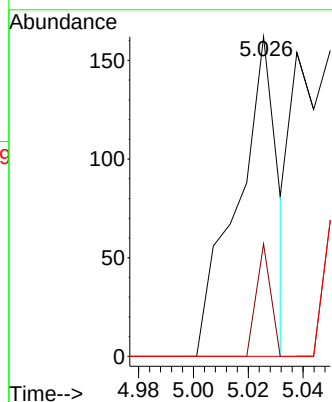
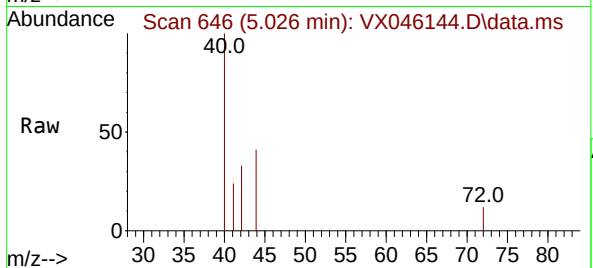
Tgt Ion: 42 Resp: 166

Ion Ratio Lower Upper

42 100

72 12.7 33.7 50.5#

71 0.0 31.4 47.2#



#31

Cyclohexane

Concen: 1.246 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX046144.D

Acq: 12 May 2025 17:29

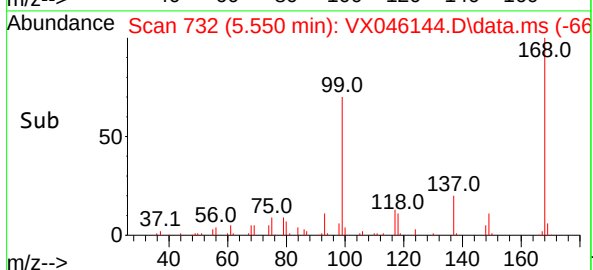
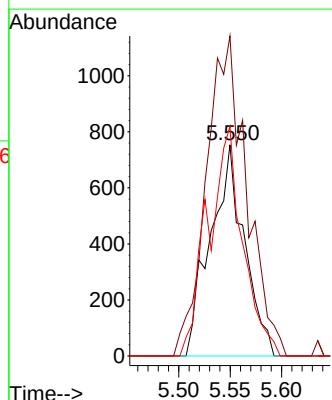
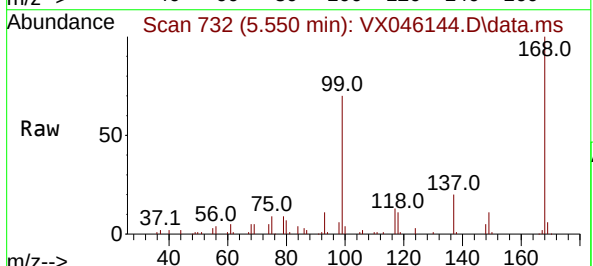
Tgt Ion: 56 Resp: 1725

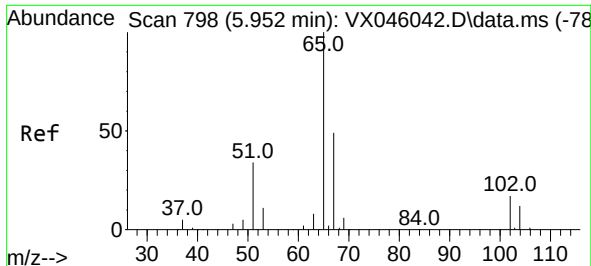
Ion Ratio Lower Upper

56 100

69 143.0 24.4 36.6#

84 108.6 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 54.261 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046144.D

Acq: 12 May 2025 17:29

Instrument :

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ClientSampleId :

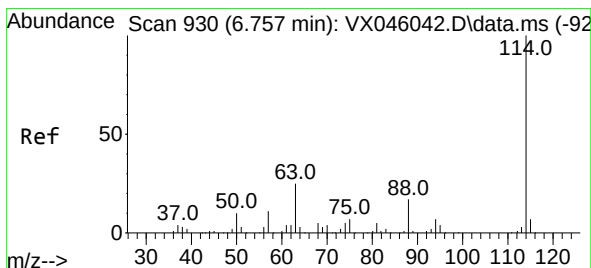
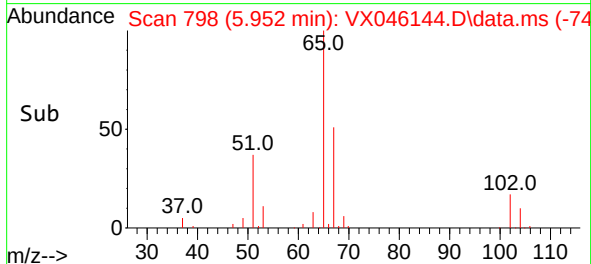
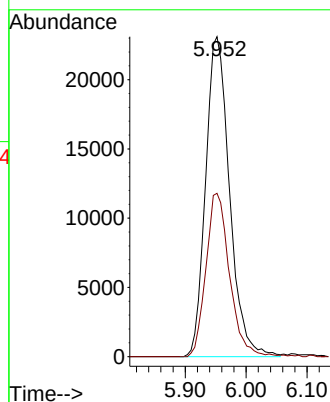
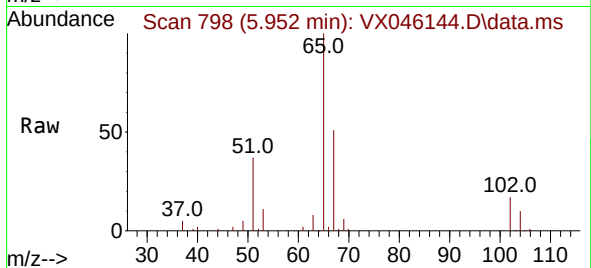
VNJ-218

Tgt Ion: 65 Resp: 63033

Ion Ratio Lower Upper

65 100

67 50.4 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: VX046144.D

Acq: 12 May 2025 17:29

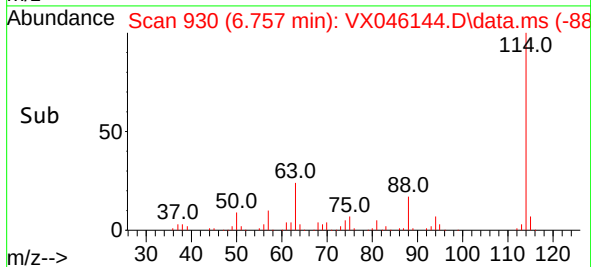
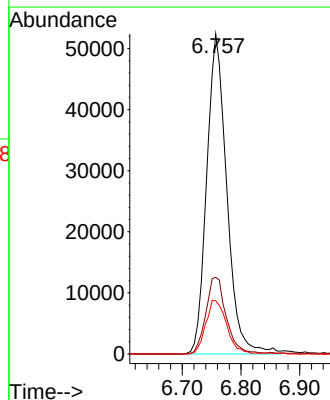
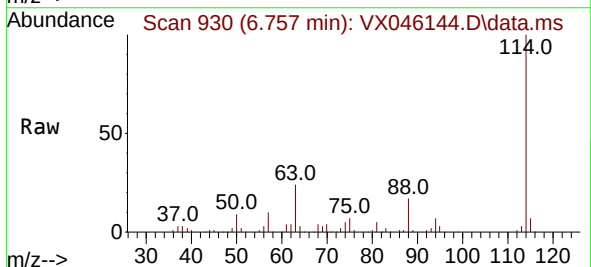
Tgt Ion: 114 Resp: 124531

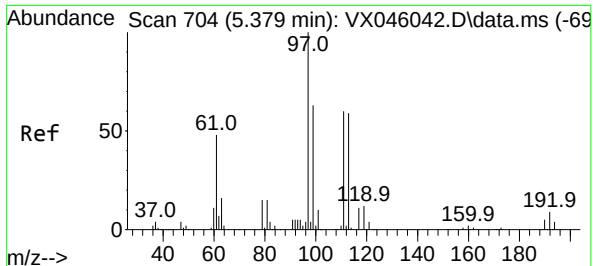
Ion Ratio Lower Upper

114 100

63 24.0 0.0 49.2

88 16.6 0.0 33.6

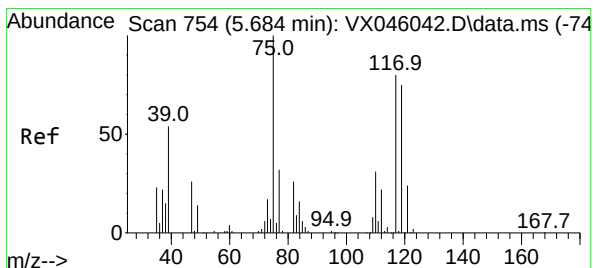
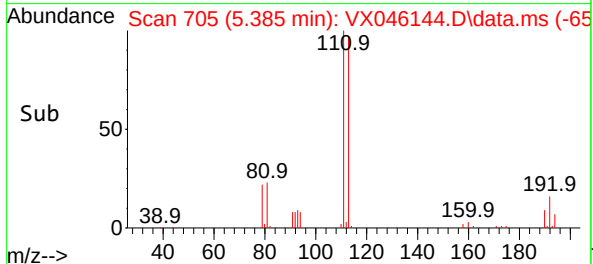
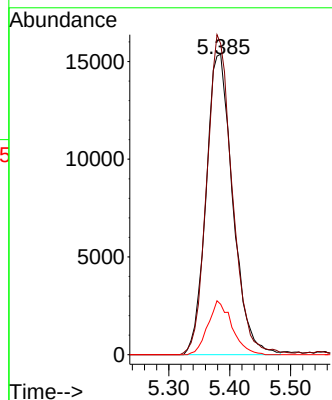
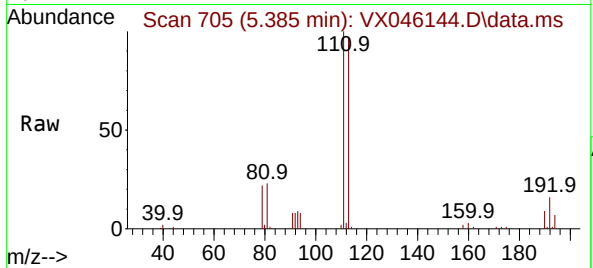




#35
Dibromofluoromethane
Concen: 52.165 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046144.D
Acq: 12 May 2025 17:29

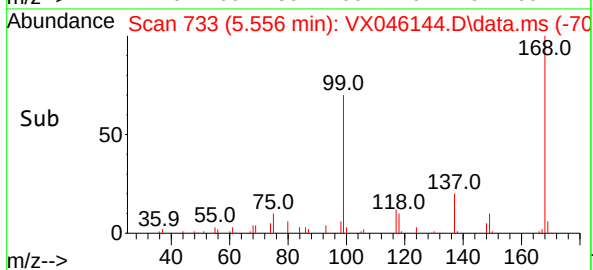
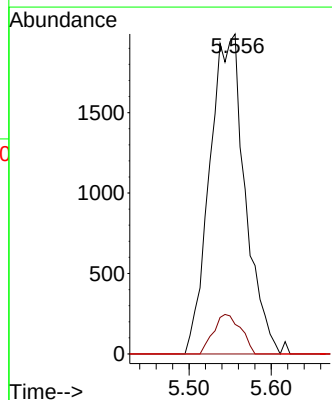
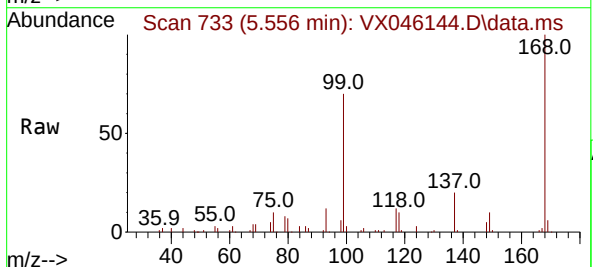
Instrument :
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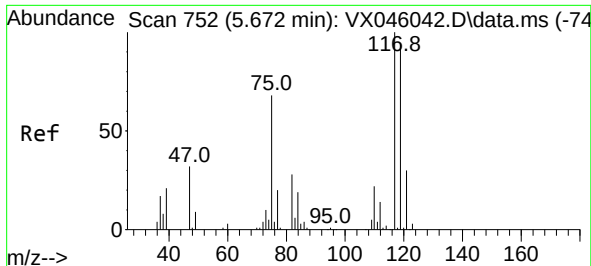
Tgt Ion:113 Resp: 46779
Ion Ratio Lower Upper
113 100
111 101.8 83.1 124.7
192 16.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.929 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX046144.D
Acq: 12 May 2025 17:29

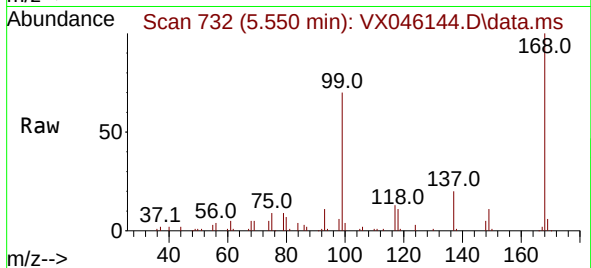
Tgt Ion: 75 Resp: 5939
Ion Ratio Lower Upper
75 100
110 9.5 16.3 48.9#
77 0.0 24.3 36.5#



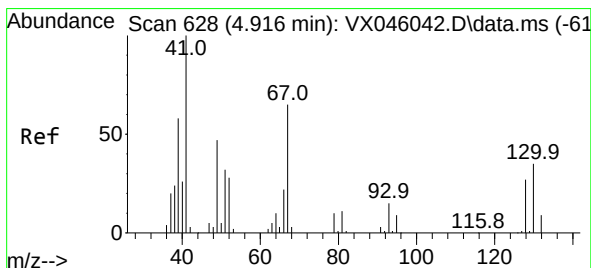
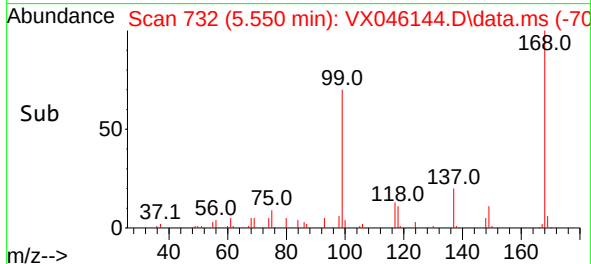
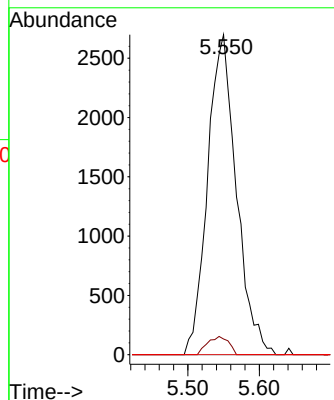


#38
Carbon Tetrachloride
Concen: 5.573 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX046144.D
Acq: 12 May 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :
VNJ-218

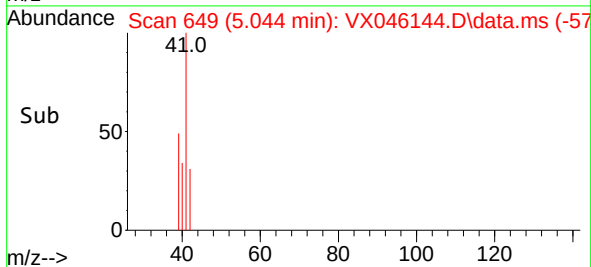
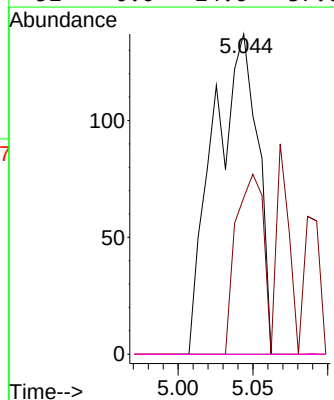
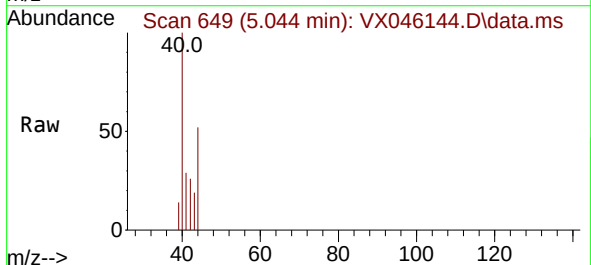


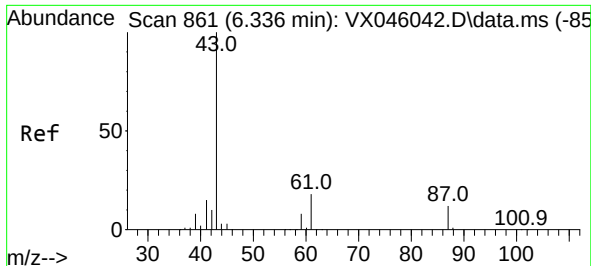
Tgt Ion:117 Resp: 7544
Ion Ratio Lower Upper
117 100
119 4.9 75.2 112.8#
121 0.0 24.2 36.4#



#41
Methacrylonitrile
Concen: 0.361 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.128 min
Lab File: VX046144.D
Acq: 12 May 2025 17:29

Tgt Ion: 41 Resp: 281
Ion Ratio Lower Upper
41 100
39 34.9 47.2 70.8#
67 0.0 50.7 76.1#
52 0.0 24.6 37.0#

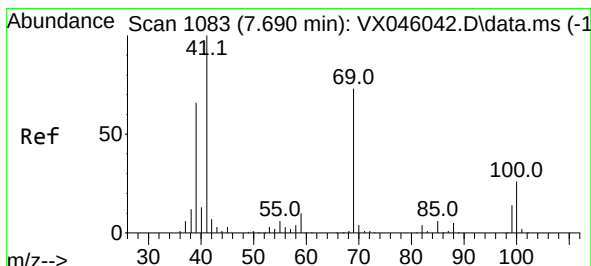
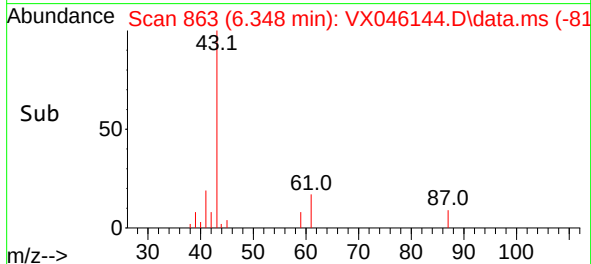
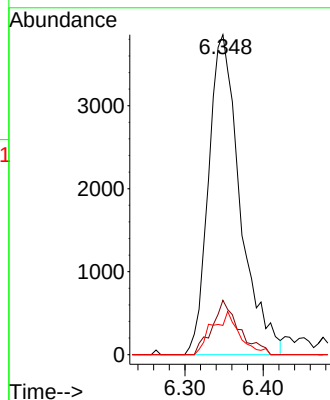
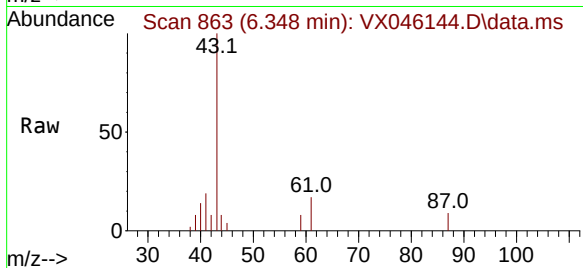




#43
Isopropyl Acetate
Concen: 4.750 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046144.D
Acq: 12 May 2025 17:29

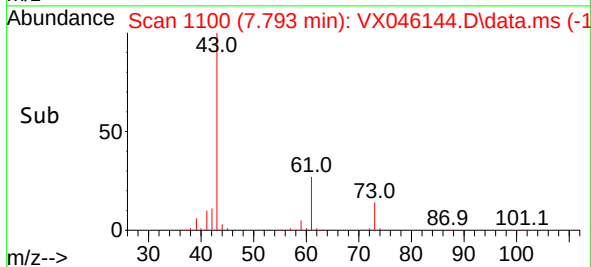
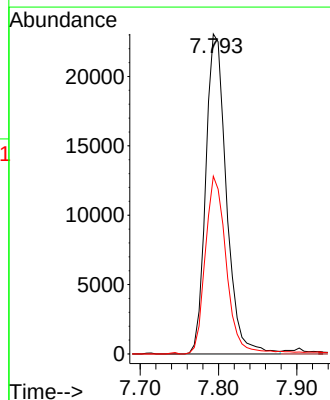
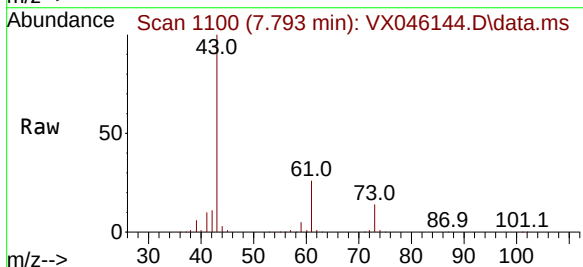
Instrument :
MSVOA_X
ClientSampleId :
VNJ-218

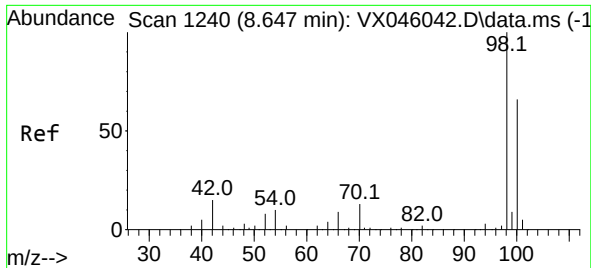
Tgt Ion: 43 Resp: 10787
Ion Ratio Lower Upper
43 100
61 14.6 14.3 21.5
87 11.8 9.5 14.3



#48
Methyl methacrylate
Concen: 36.339 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046144.D
Acq: 12 May 2025 17:29

Tgt Ion: 41 Resp: 42147
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 57.1 51.7 77.5

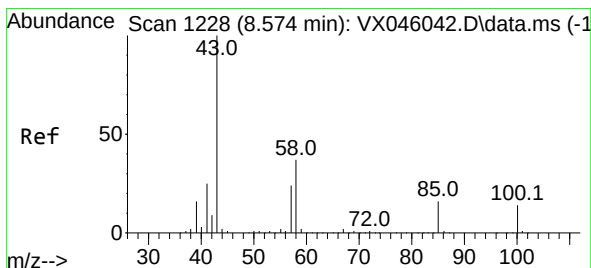
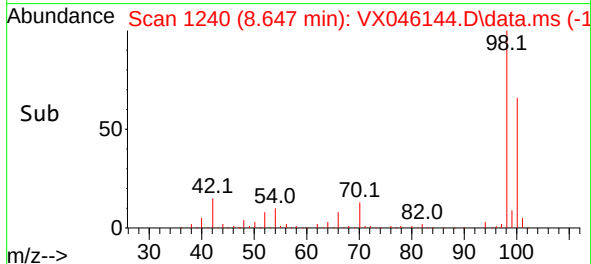
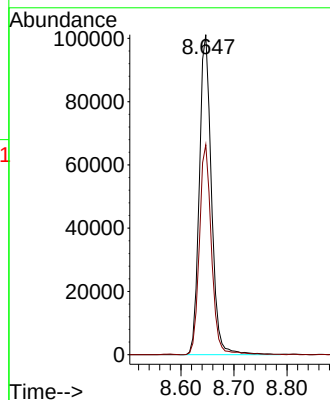
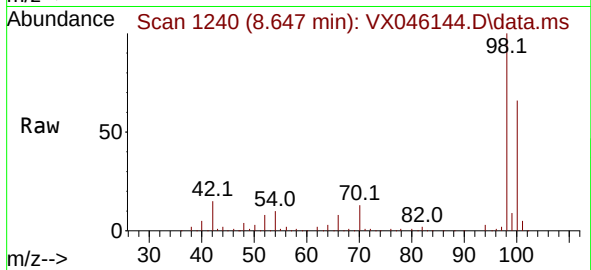




#50
Toluene-d8
Concen: 51.847 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046144.D
Acq: 12 May 2025 17:29

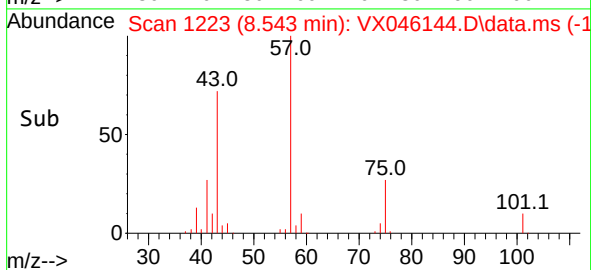
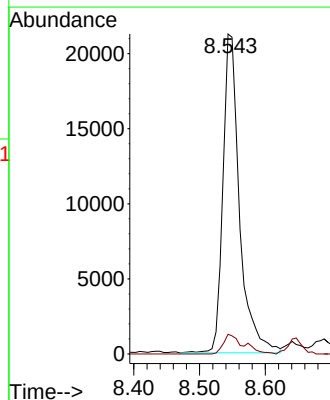
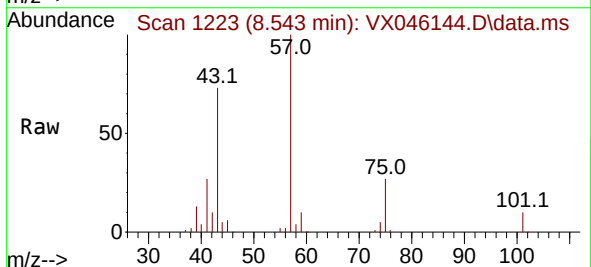
Instrument :
MSVOA_X
ClientSampleId :
VNJ-218

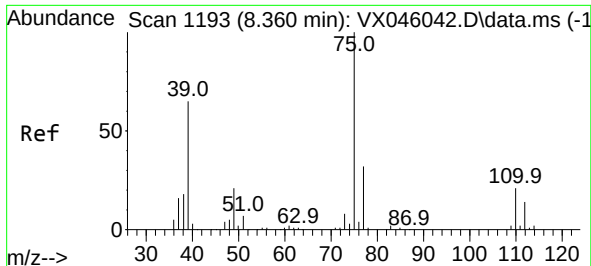
Tgt Ion: 98 Resp: 160923
Ion Ratio Lower Upper
98 100
100 65.5 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 24.770 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX046144.D
Acq: 12 May 2025 17:29

Tgt Ion: 43 Resp: 37339
Ion Ratio Lower Upper
43 100
58 7.6 28.9 43.3#

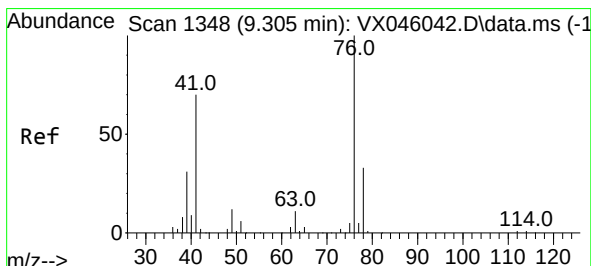
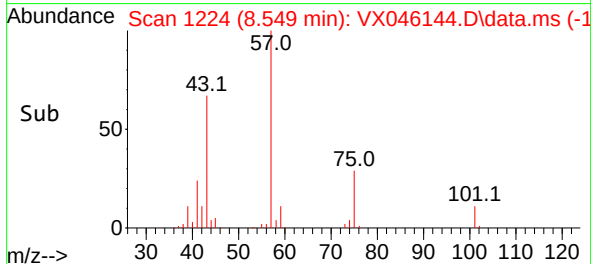
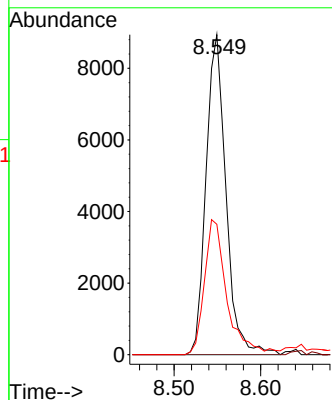
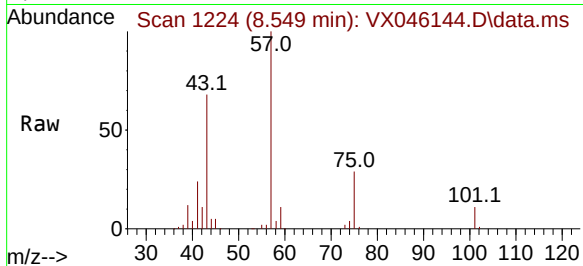




#54
 cis-1,3-Dichloropropene
 Concen: 10.655 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX046144.D
 Acq: 12 May 2025 17:29

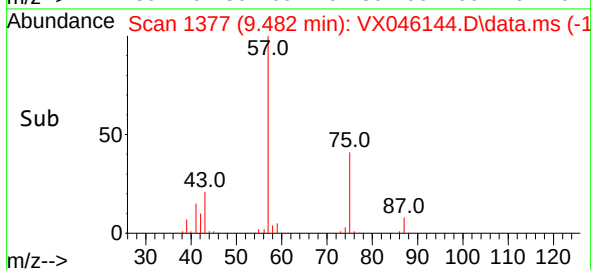
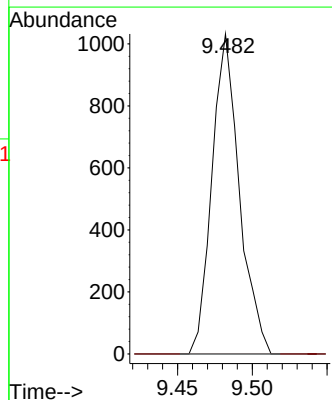
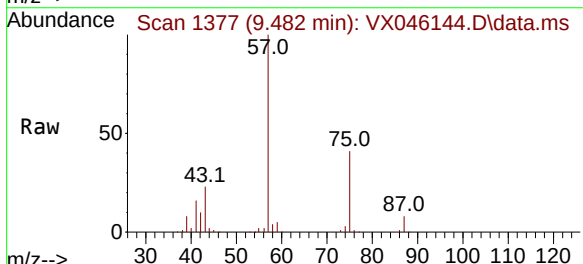
Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-218

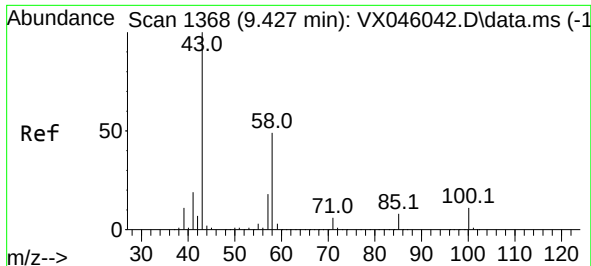
Tgt Ion: 75 Resp: 14270
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 40.8 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.857 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046144.D
 Acq: 12 May 2025 17:29

Tgt Ion: 76 Resp: 1314
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

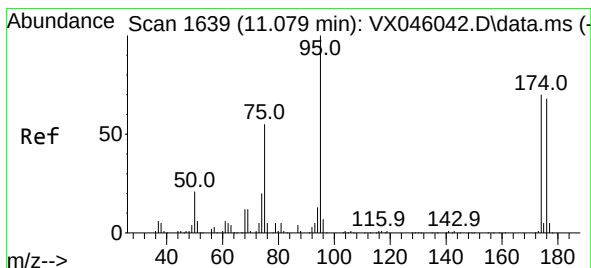
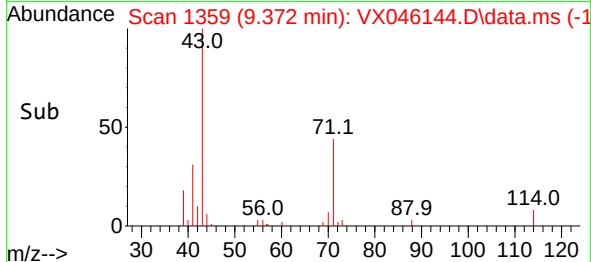
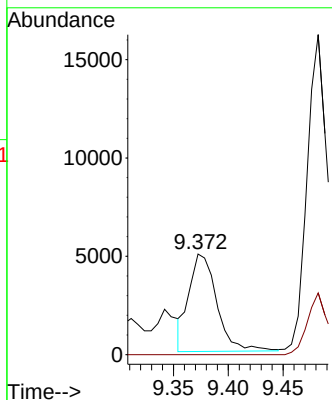
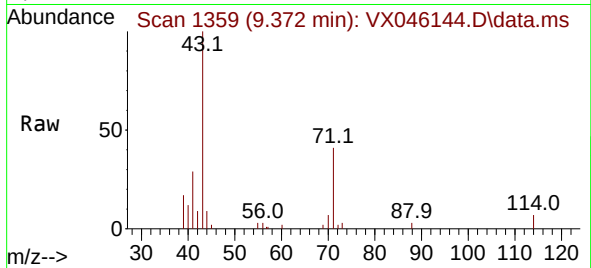




#59
2-Hexanone
Concen: 7.890 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX046144.D
Acq: 12 May 2025 17:29

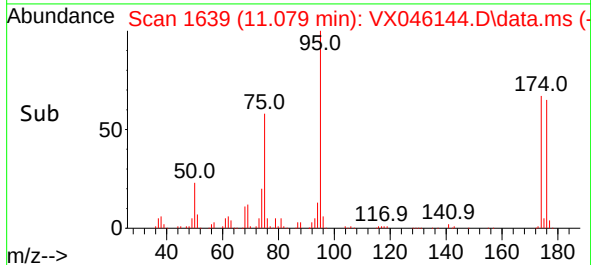
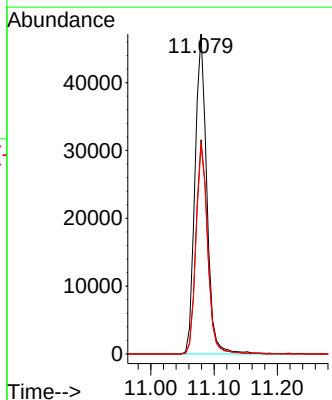
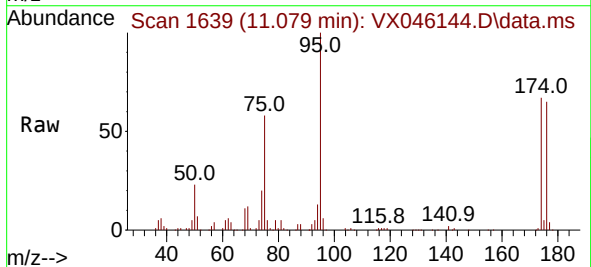
Instrument :
MSVOA_X
ClientSampleId :
VNJ-218

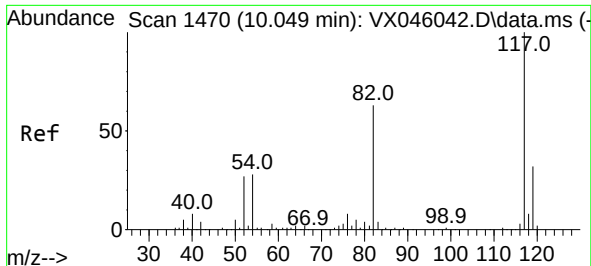
Tgt Ion: 43 Resp: 8799
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 51.639 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046144.D
Acq: 12 May 2025 17:29

Tgt Ion: 95 Resp: 61480
Ion Ratio Lower Upper
95 100
174 65.9 0.0 135.8
176 64.5 0.0 131.4

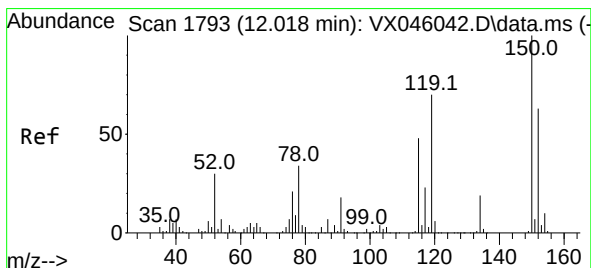
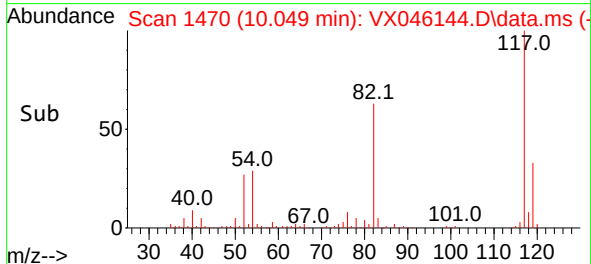
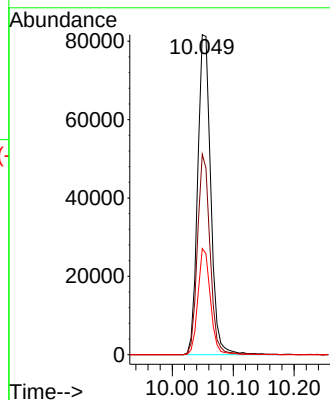
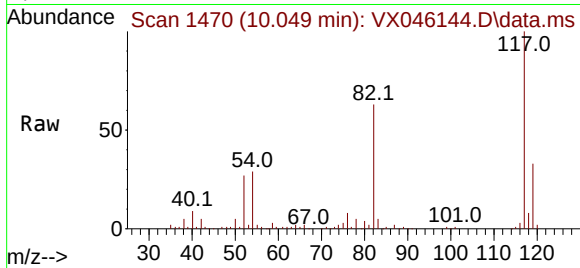




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046144.D
Acq: 12 May 2025 17:29

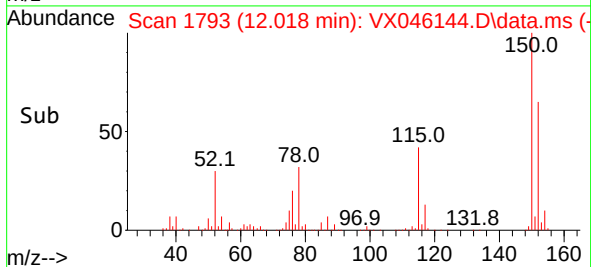
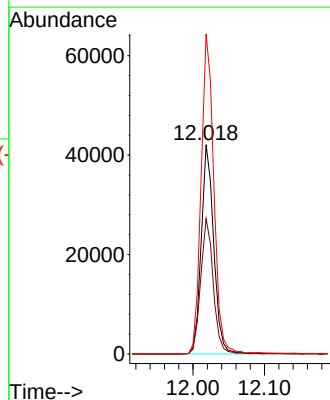
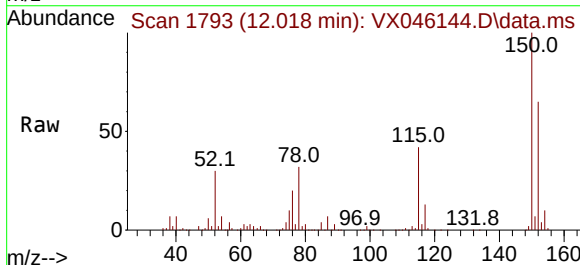
Instrument :
MSVOA_X
ClientSampleId :
VNJ-218

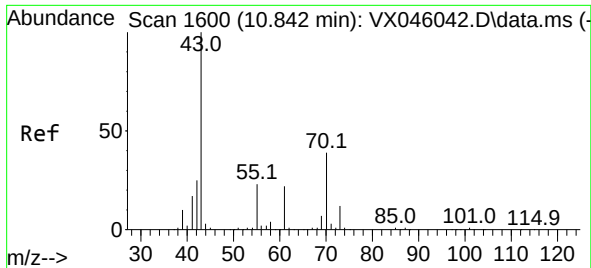
Tgt Ion:117 Resp: 121494
Ion Ratio Lower Upper
117 100
82 62.6 50.6 76.0
119 33.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046144.D
Acq: 12 May 2025 17:29

Tgt Ion:152 Resp: 51299
Ion Ratio Lower Upper
152 100
115 64.8 46.9 140.7
150 155.8 0.0 351.0

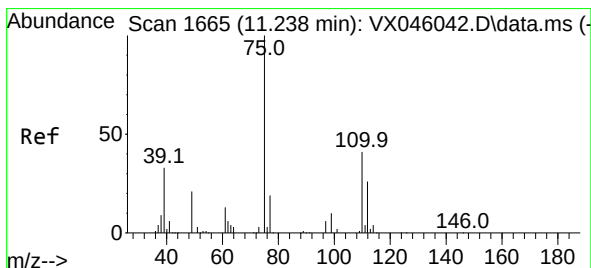
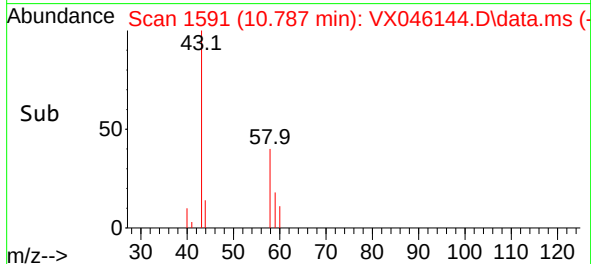
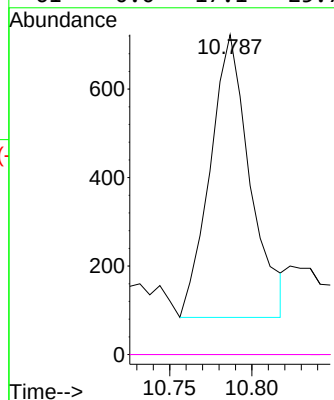
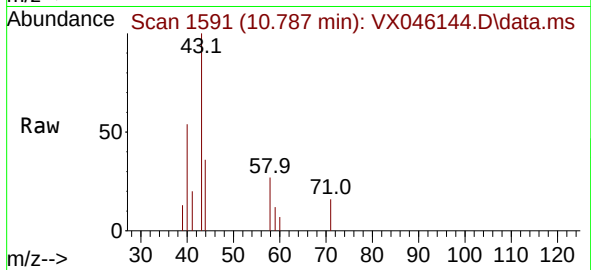




#74
N-amy1 acetate
Concen: 0.548 ug/l
RT: 10.787 min Scan# 1639
Delta R.T. -0.055 min
Lab File: VX046144.D
Acq: 12 May 2025 17:29

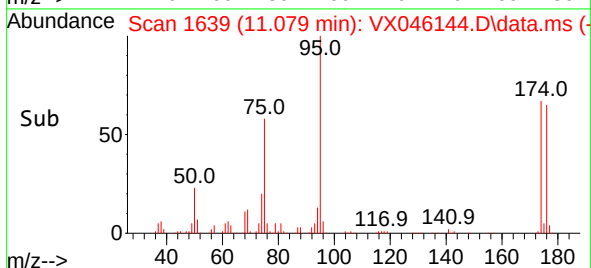
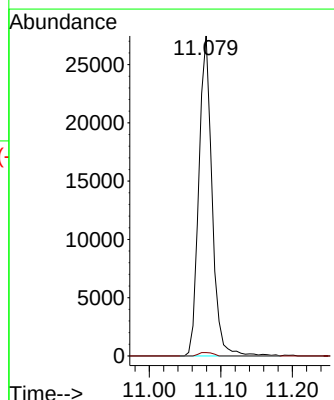
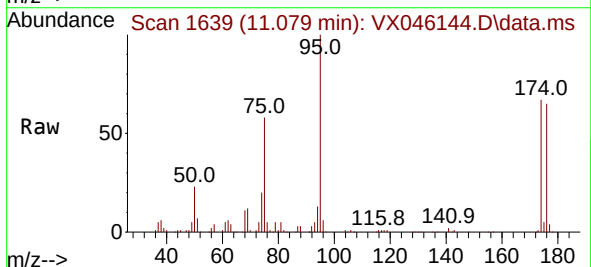
Instrument :
MSVOA_X
ClientSampleId :
VNJ-218

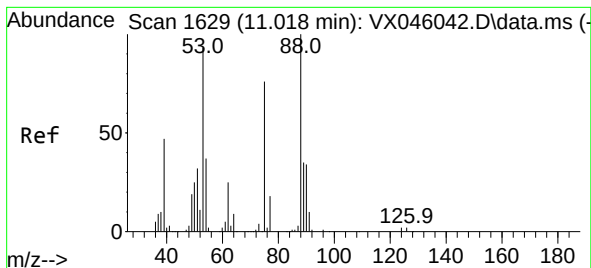
Tgt Ion:	43	Resp:	1082
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.9	46.3#
55	0.0	18.7	28.1#
61	0.0	17.1	25.7#



#76
1,2,3-Trichloropropane
Concen: 28.507 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046144.D
Acq: 12 May 2025 17:29

Tgt Ion:	75	Resp:	35200
Ion	Ratio	Lower	Upper
75	100		
77	1.2	20.5	61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.809 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046144.D
 Acq: 12 May 2025 17:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-218

Tgt Ion: 75 Resp: 35200
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.1 37.0 55.6#

