

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
 Data File : VX046322.D
 Acq On : 22 May 2025 12:23
 Operator : JC/MD
 Sample : Q2097-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-244

Quant Time: May 23 01:44:58 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)

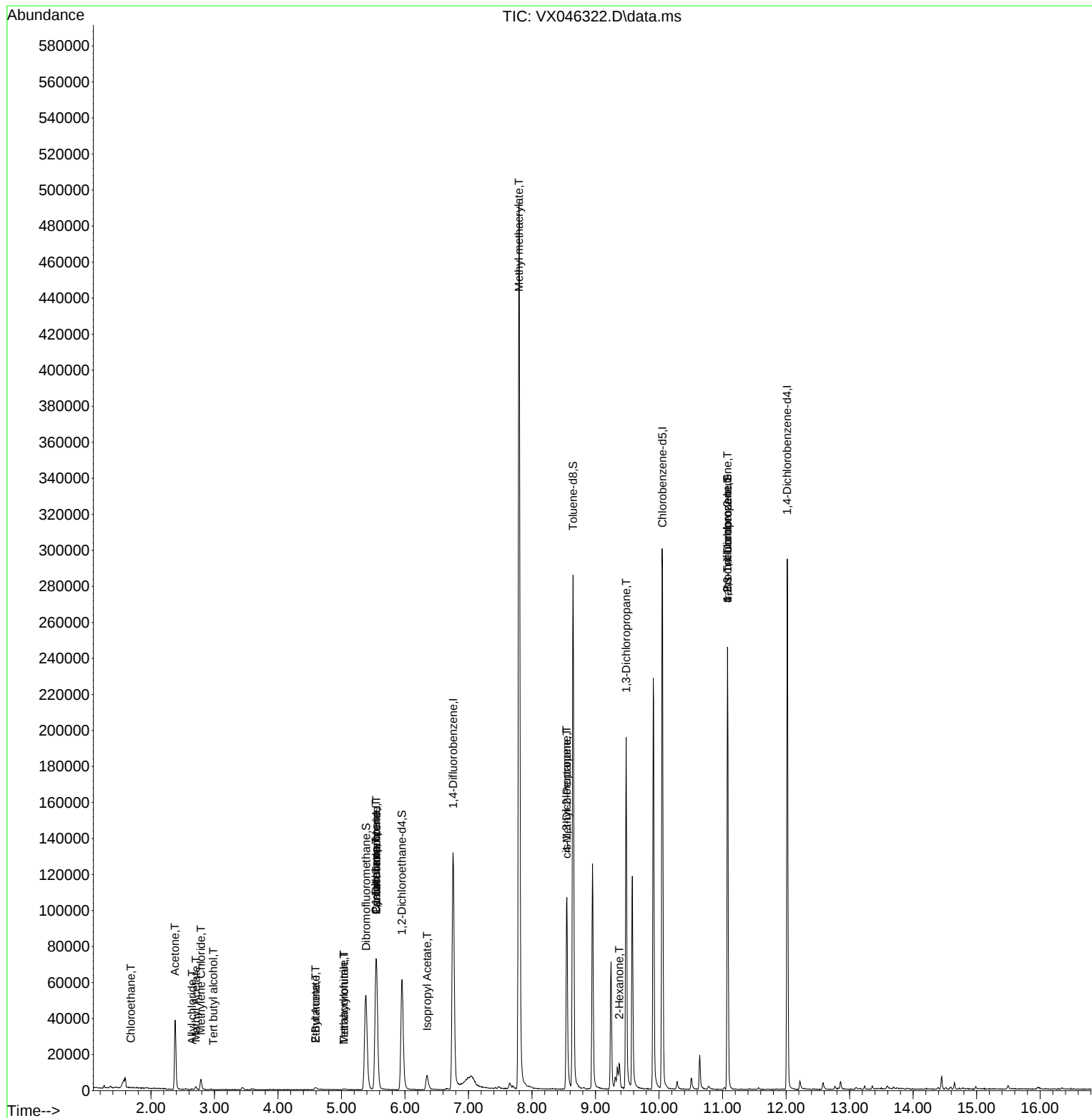
Internal Standards						
1) Pentafluorobenzene	5.550	168	63541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125999	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62880	53.081	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.160%			
35) Dibromofluoromethane	5.385	113	46214	50.934	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.860%			
50) Toluene-d8	8.647	98	159674	50.845	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.700%			
62) 4-Bromofluorobenzene	11.079	95	64000	53.130	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.260%			
Target Compounds						Qvalue
6) Chloroethane	1.685	64	120	0.256	ug/l #	44
11) Tert butyl alcohol	2.983	59	53	0.319	ug/l #	72
14) Allyl chloride	2.648	41	371	0.258	ug/l #	21
16) Acetone	2.380	43	42097	88.630	ug/l	97
18) Methyl Acetate	2.709	43	2253	2.044	ug/l	91
20) Methylene Chloride	2.788	84	2652	2.914	ug/l #	74
25) 2-Butanone	4.593	43	2959	4.291	ug/l #	88
29) Tetrahydrofuran	5.038	42	217	0.502	ug/l #	60
31) Cyclohexane	5.544	56	1856	1.315	ug/l #	14
36) 1,1-Dichloropropene	5.544	75	6321	5.185	ug/l #	47
37) Ethyl Acetate	4.593	43	2959	1.965	ug/l #	70
38) Carbon Tetrachloride	5.550	117	7807	5.700	ug/l #	17
41) Methacrylonitrile	5.038	41	253	0.321	ug/l #	49
43) Isopropyl Acetate	6.348	43	12371	5.384	ug/l	98
48) Methyl methacrylate	7.793	41	49998	42.606	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	41599	27.274	ug/l #	51
54) cis-1,3-Dichloropropene	8.543	75	16615	12.262	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	1609	1.038	ug/l #	42
59) 2-Hexanone	9.372	43	10087	8.939	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	36120	28.125	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	36120	91.565	ug/l #	1

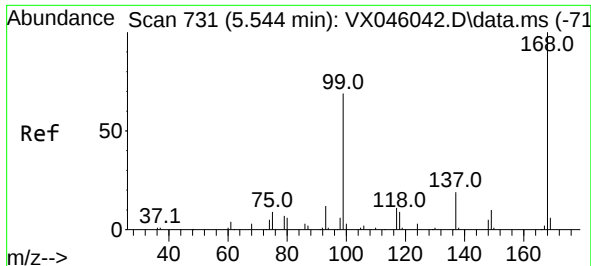
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
Data File : VX046322.D
Acq On : 22 May 2025 12:23
Operator : JC/MD
Sample : Q2097-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VNJ-244

Quant Time: May 23 01:44:58 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

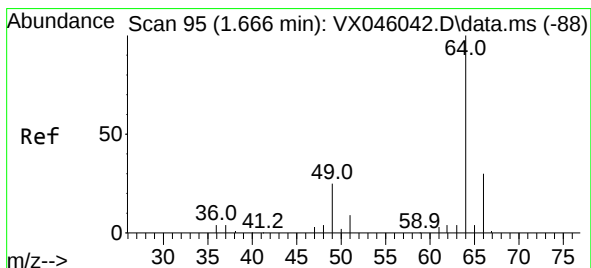
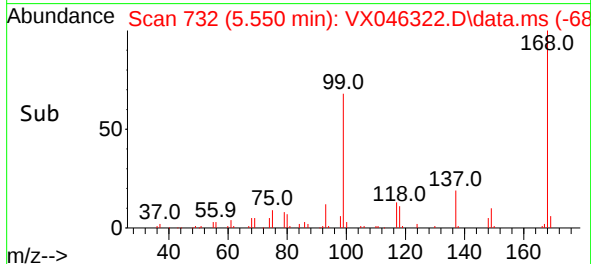
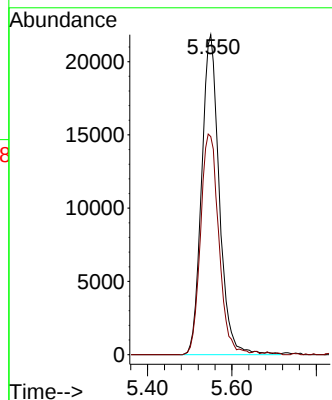
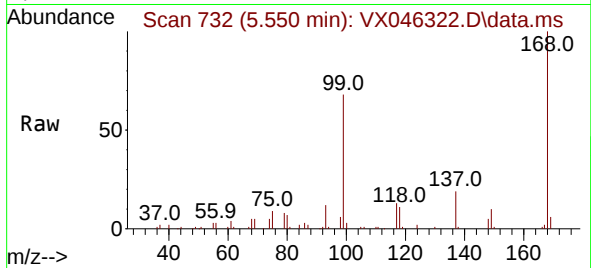




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046322.D
Acq: 22 May 2025 12:23

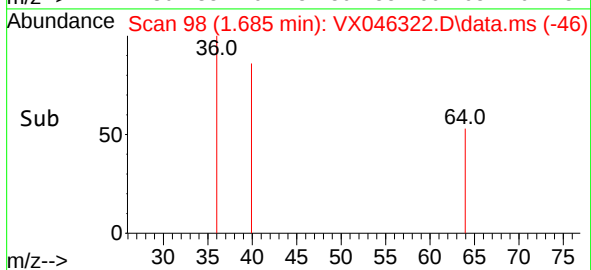
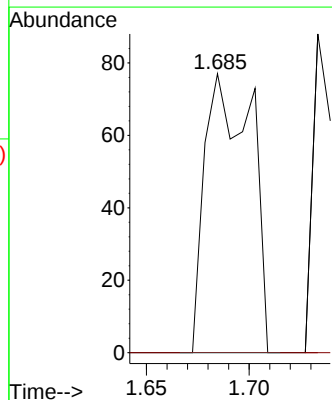
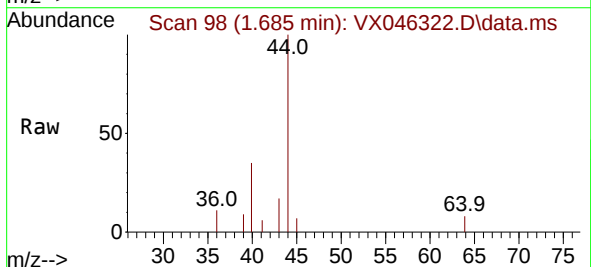
Instrument :
MSVOA_X
ClientSampleId :
VNJ-244

Tgt Ion:168 Resp: 63541
Ion Ratio Lower Upper
168 100
99 68.2 54.9 82.3



#6
Chloroethane
Concen: 0.256 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.018 min
Lab File: VX046322.D
Acq: 22 May 2025 12:23

Tgt Ion: 64 Resp: 120
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#





#11

Tert butyl alcohol

Concen: 0.319 ug/l

RT: 2.983 min Scan# 311

Delta R.T. 0.006 min

Lab File: VX046322.D

Acq: 22 May 2025 12:23

Instrument :

MSVOA_X

ClientSampleId :

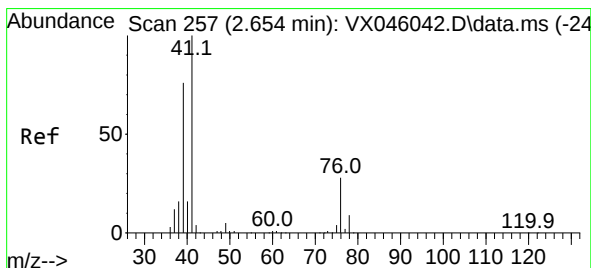
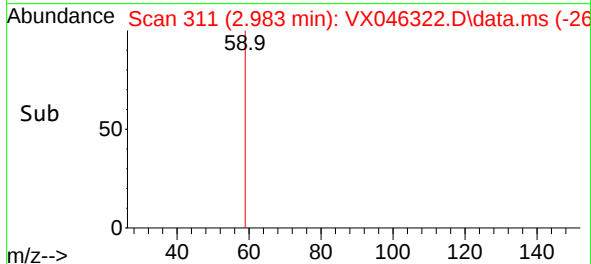
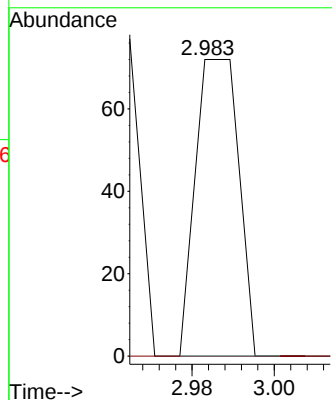
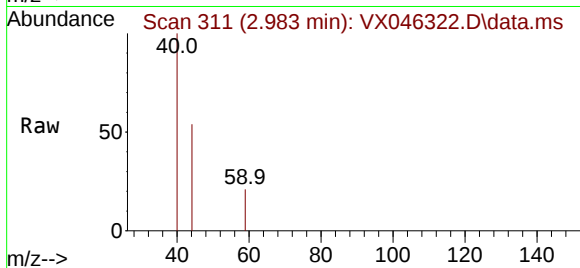
VNJ-244

Tgt Ion: 59 Resp: 53

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#14

Allyl chloride

Concen: 0.258 ug/l

RT: 2.648 min Scan# 256

Delta R.T. -0.006 min

Lab File: VX046322.D

Acq: 22 May 2025 12:23

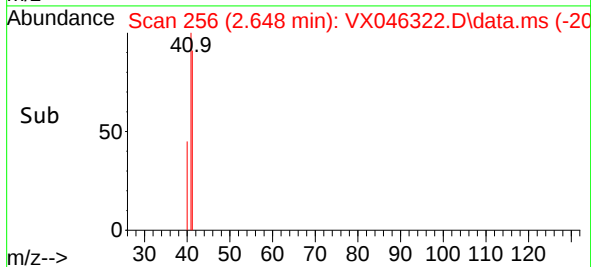
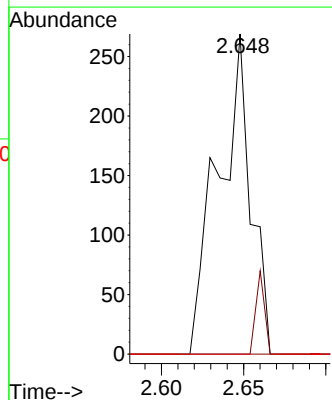
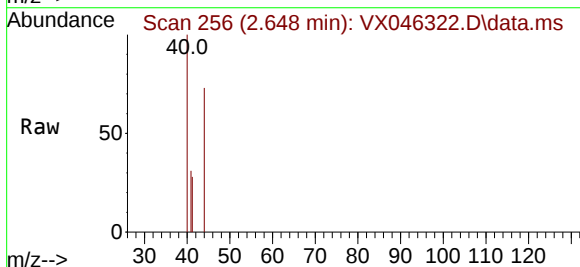
Tgt Ion: 41 Resp: 371

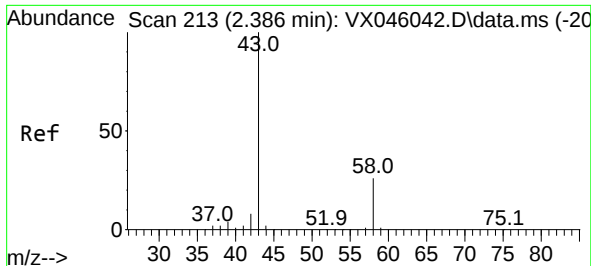
Ion Ratio Lower Upper

41 100

39 0.0 60.6 90.8#

76 0.0 24.9 37.3#

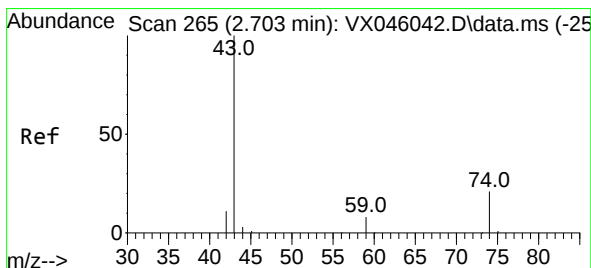
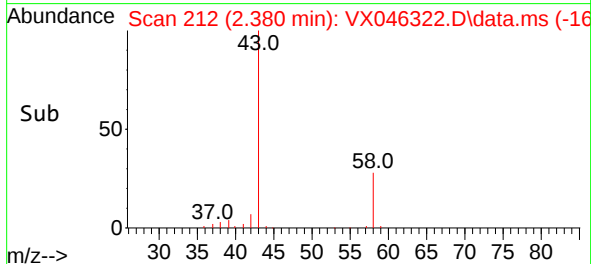
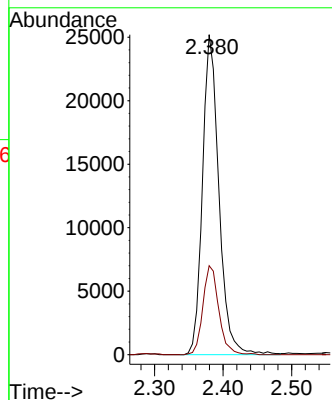
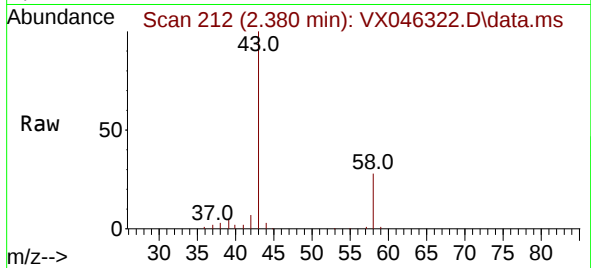




#16
Acetone
Concen: 88.630 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046322.D
Acq: 22 May 2025 12:23

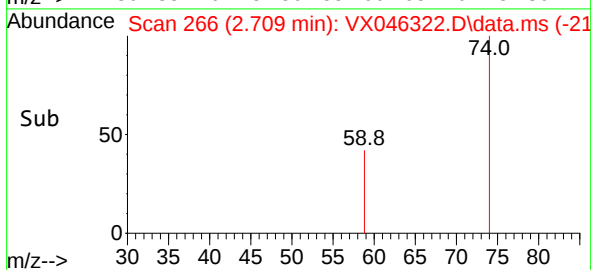
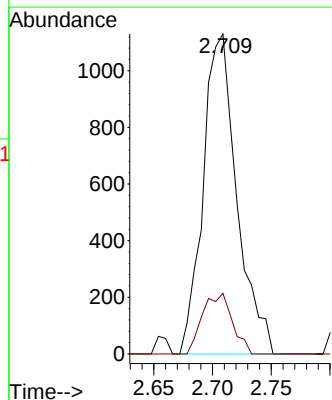
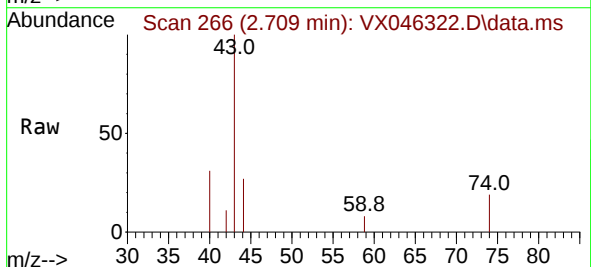
Instrument :
MSVOA_X
ClientSampleId :
VNJ-244

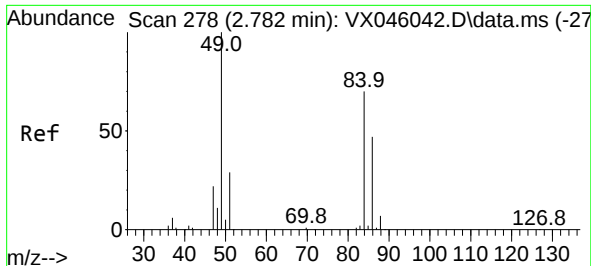
Tgt Ion: 43 Resp: 42097
Ion Ratio Lower Upper
43 100
58 27.8 21.2 31.8



#18
Methyl Acetate
Concen: 2.044 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046322.D
Acq: 22 May 2025 12:23

Tgt Ion: 43 Resp: 2253
Ion Ratio Lower Upper
43 100
74 16.8 16.7 25.1

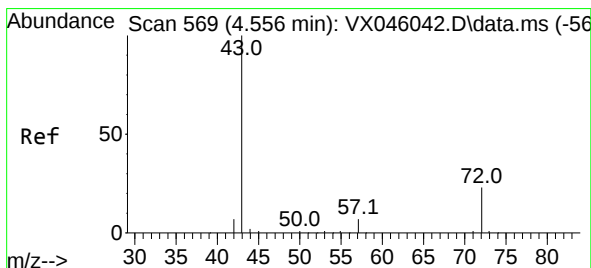
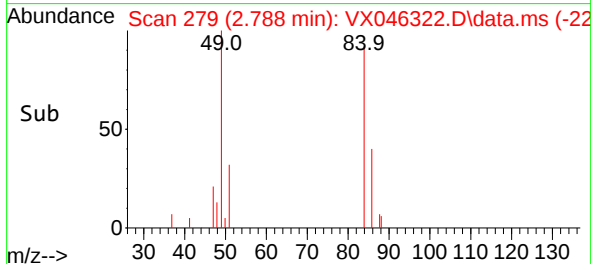
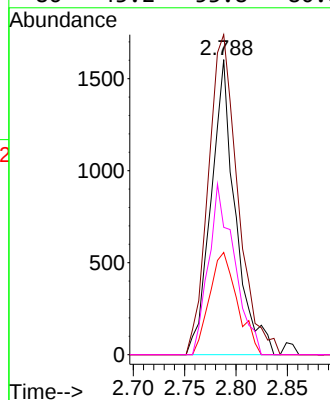
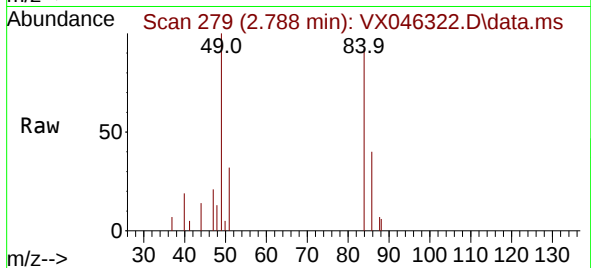




#20
Methylene Chloride
Concen: 2.914 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046322.D
Acq: 22 May 2025 12:23

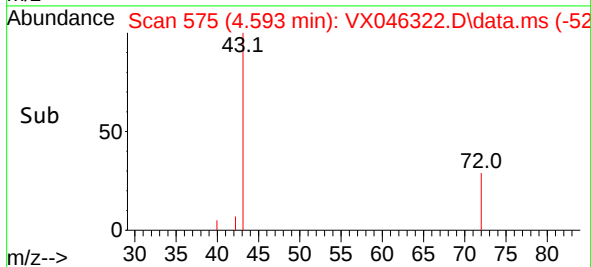
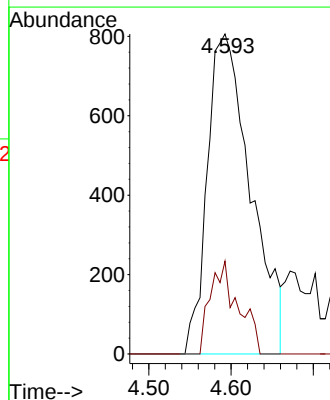
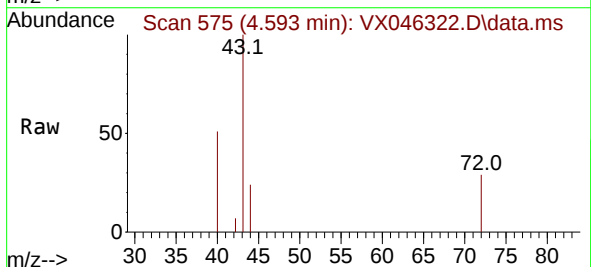
Instrument :
MSVOA_X
ClientSampleId :
VNJ-244

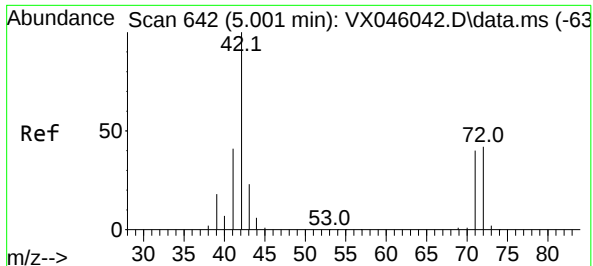
Tgt Ion: 84 Resp: 2652
Ion Ratio Lower Upper
84 100
49 108.5 113.9 170.9#
51 34.7 33.5 50.3
86 43.2 53.8 80.8#



#25
2-Butanone
Concen: 4.291 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.036 min
Lab File: VX046322.D
Acq: 22 May 2025 12:23

Tgt Ion: 43 Resp: 2959
Ion Ratio Lower Upper
43 100
72 29.0 18.4 27.6#





#29

Tetrahydrofuran

Concen: 0.502 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.036 min

Lab File: VX046322.D

Acq: 22 May 2025 12:23

Instrument :

MSVOA_X

ClientSampleId :

VNJ-244

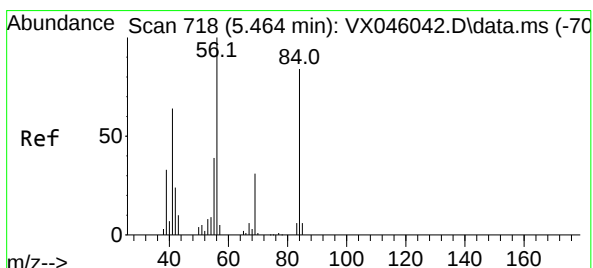
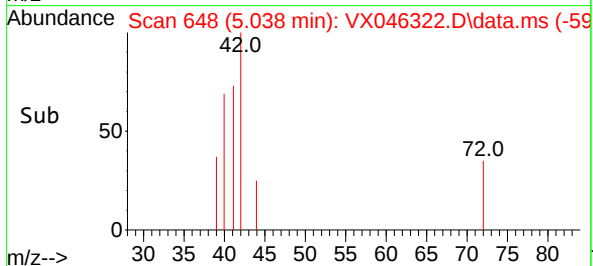
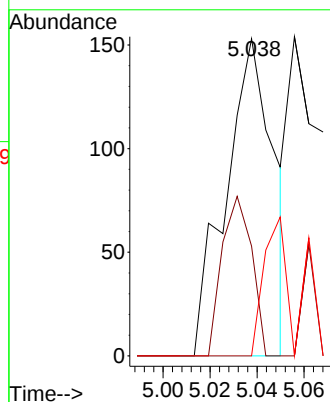
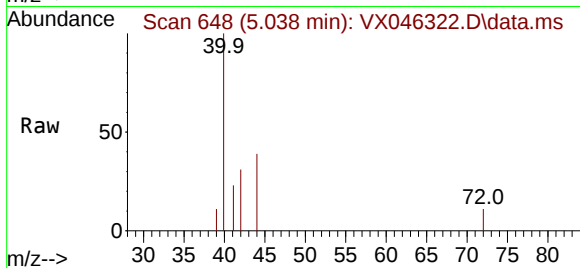
Tgt Ion: 42 Resp: 217

Ion Ratio Lower Upper

42 100

72 31.3 33.7 50.5#

71 0.0 31.4 47.2#



#31

Cyclohexane

Concen: 1.315 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX046322.D

Acq: 22 May 2025 12:23

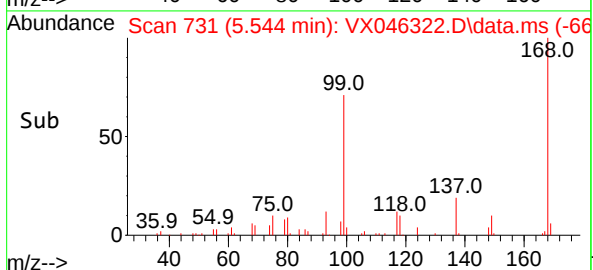
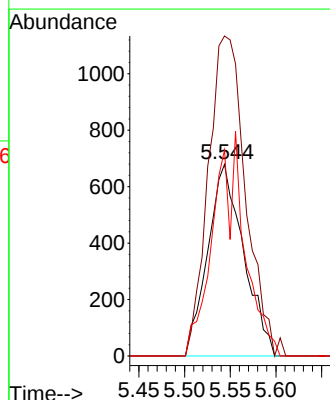
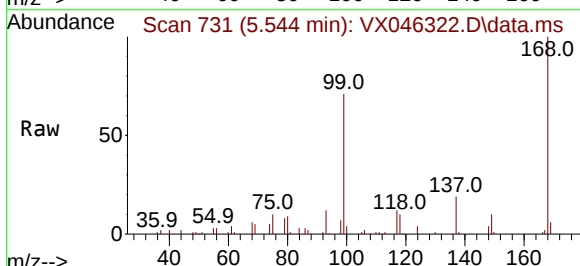
Tgt Ion: 56 Resp: 1856

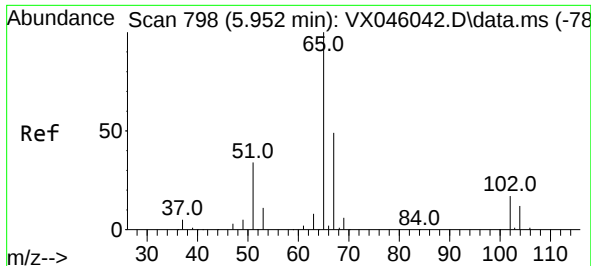
Ion Ratio Lower Upper

56 100

69 167.0 24.4 36.6#

84 107.5 66.9 100.3#

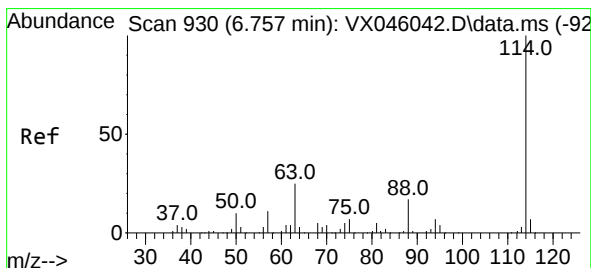
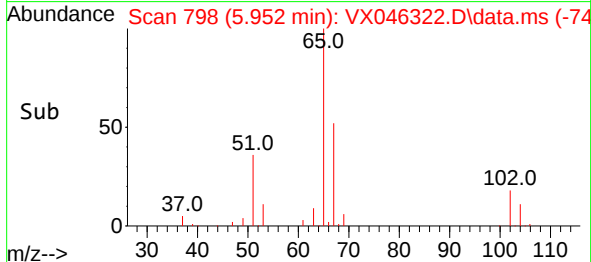
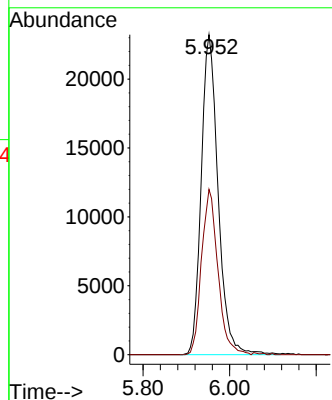
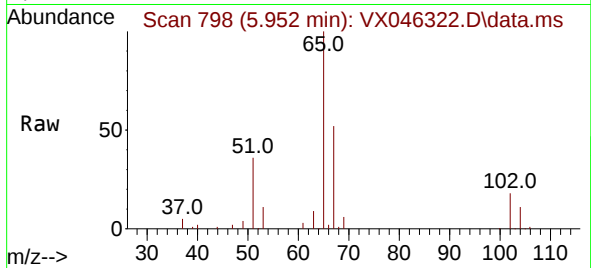




#33
 1,2-Dichloroethane-d4
 Concen: 53.081 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX046322.D
 Acq: 22 May 2025 12:23

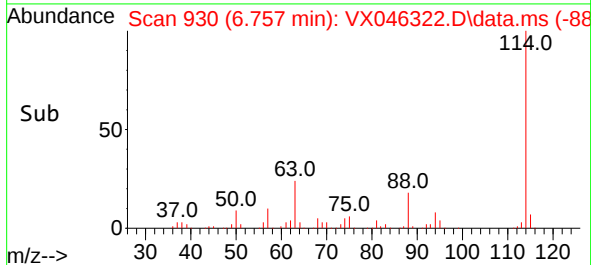
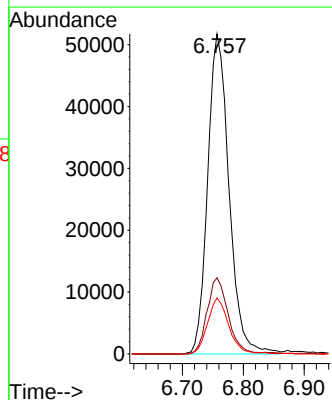
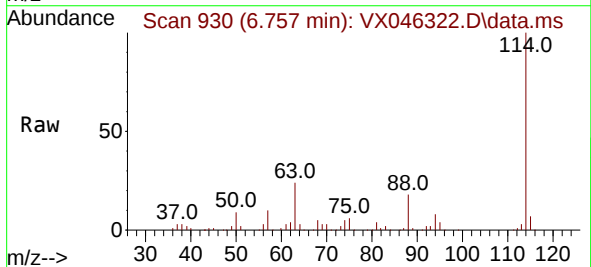
Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-244

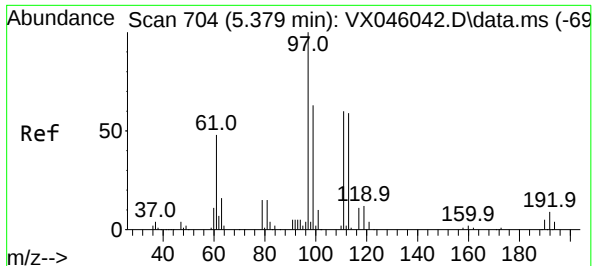
Tgt Ion: 65 Resp: 62880
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX046322.D
 Acq: 22 May 2025 12:23

Tgt Ion: 114 Resp: 125999
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 49.2
 88 17.5 0.0 33.6

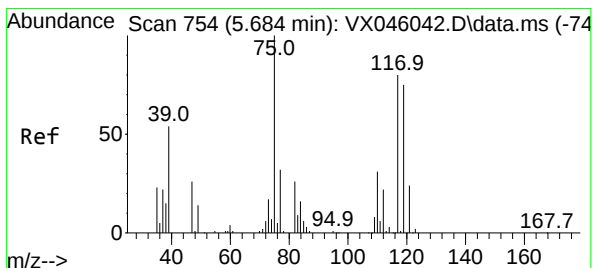
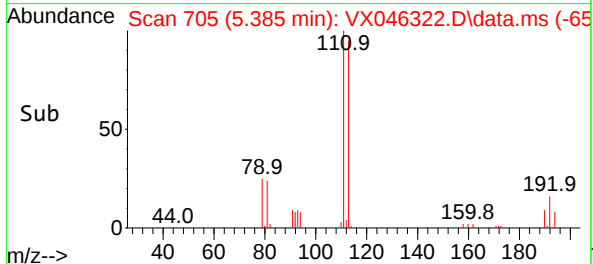
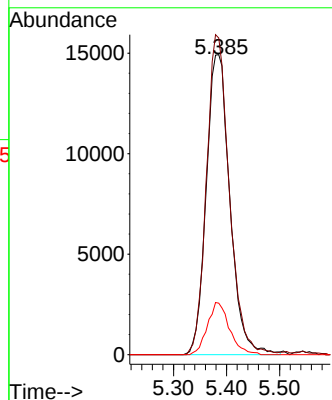
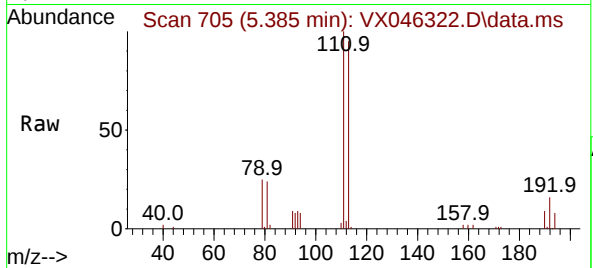




#35
Dibromofluoromethane
Concen: 50.934 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046322.D
Acq: 22 May 2025 12:23

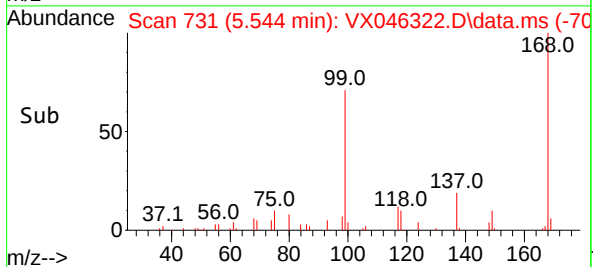
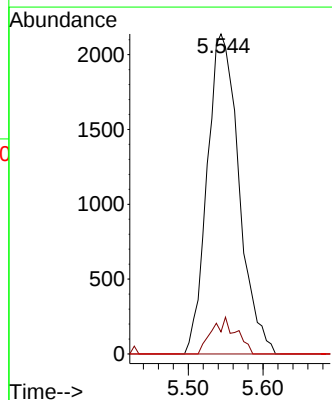
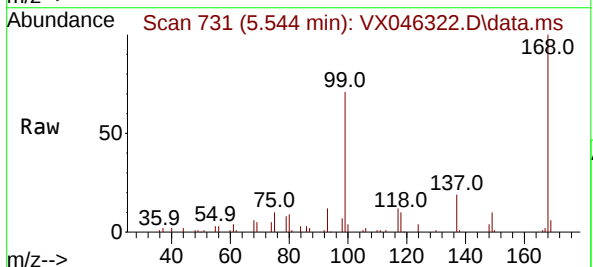
Instrument :
MSVOA_X
ClientSampleId :
VNJ-244

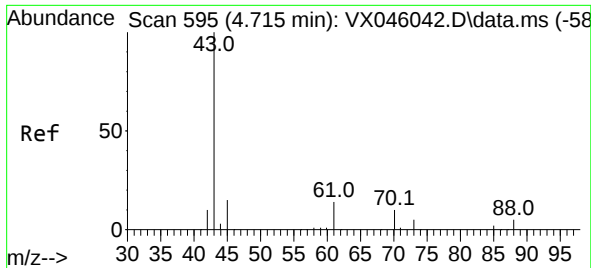
Tgt Ion:113 Resp: 46214
Ion Ratio Lower Upper
113 100
111 103.0 83.1 124.7
192 16.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.185 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046322.D
Acq: 22 May 2025 12:23

Tgt Ion: 75 Resp: 6321
Ion Ratio Lower Upper
75 100
110 4.0 16.3 48.9#
77 0.0 24.3 36.5#

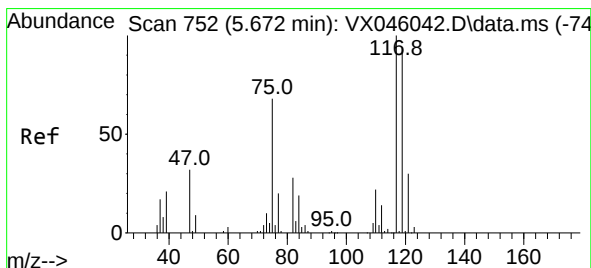
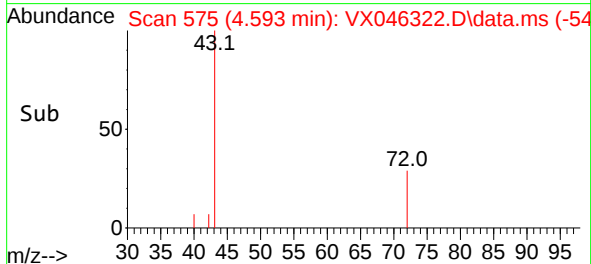
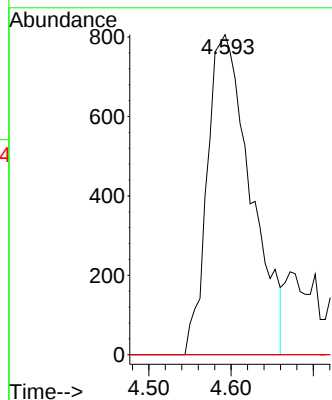
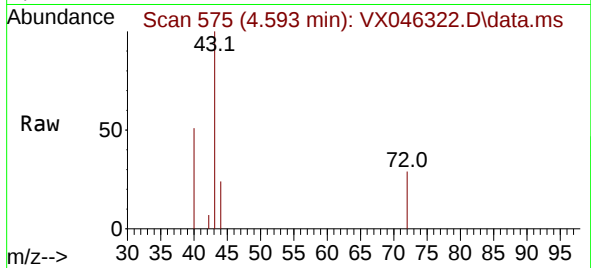




#37
Ethyl Acetate
Concen: 1.965 ug/l
RT: 4.593 min Scan# 51
Delta R.T. -0.122 min
Lab File: VX046322.D
Acq: 22 May 2025 12:23

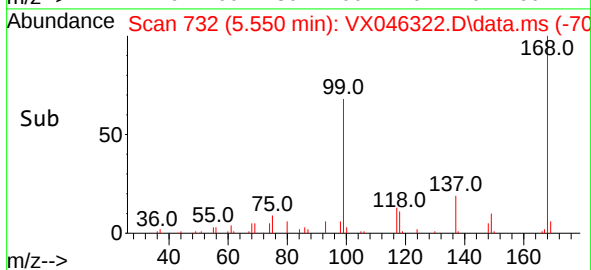
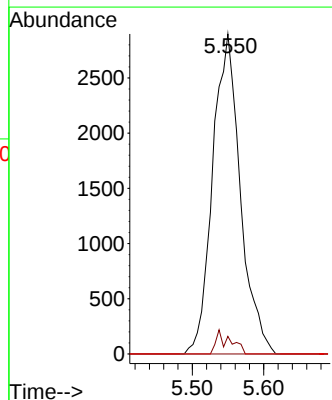
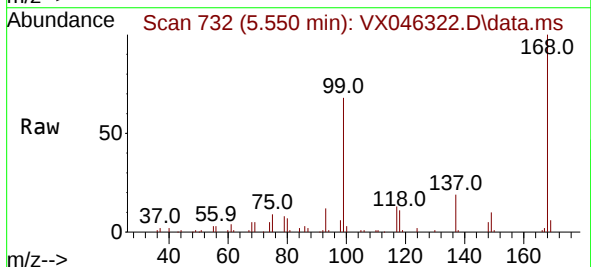
Instrument :
MSVOA_X
ClientSampleId :
VNJ-244

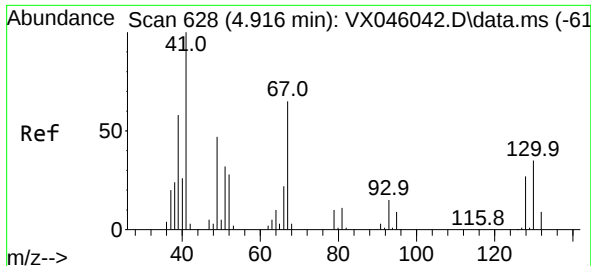
Tgt Ion: 43 Resp: 2959
Ion Ratio Lower Upper
43 100
61 0.0 10.3 15.5#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.700 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX046322.D
Acq: 22 May 2025 12:23

Tgt Ion: 117 Resp: 7807
Ion Ratio Lower Upper
117 100
119 5.5 75.2 112.8#
121 0.0 24.2 36.4#

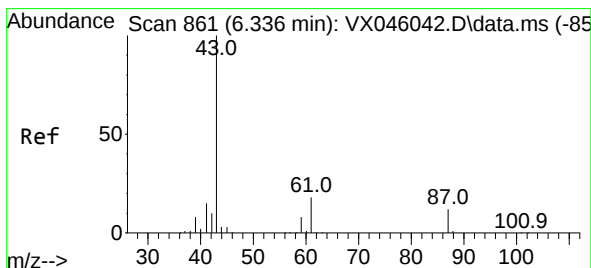
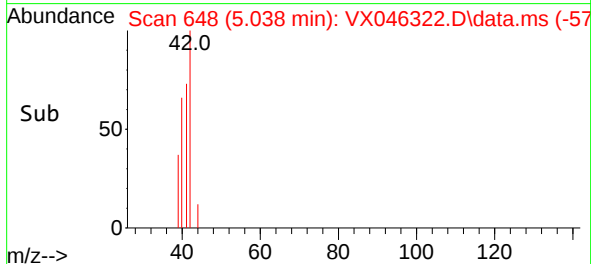
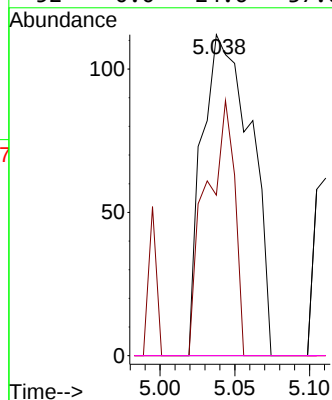
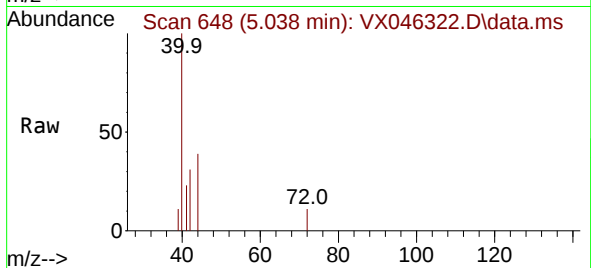




#41
Methacrylonitrile
Concen: 0.321 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.122 min
Lab File: VX046322.D
Acq: 22 May 2025 12:23

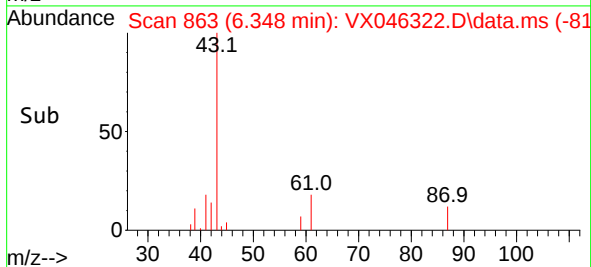
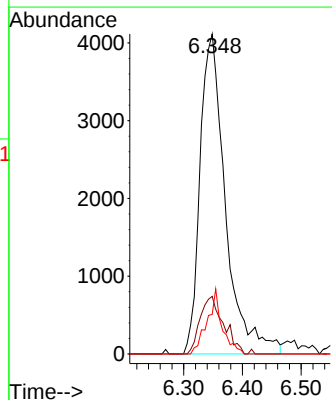
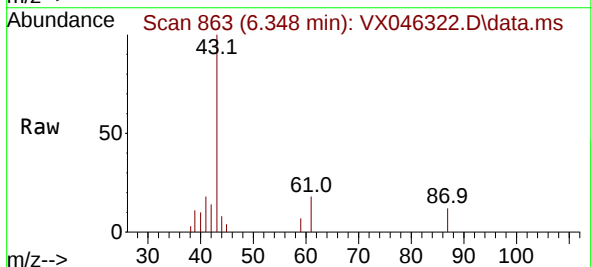
Instrument :
MSVOA_X
ClientSampleId :
VNJ-244

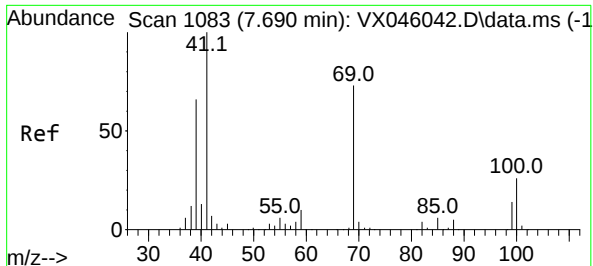
Tgt Ion:	41	Resp:	253
Ion	Ratio	Lower	Upper
41	100		
39	46.6	47.2	70.8#
67	0.0	50.7	76.1#
52	0.0	24.6	37.0#



#43
Isopropyl Acetate
Concen: 5.384 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046322.D
Acq: 22 May 2025 12:23

Tgt Ion:	43	Resp:	12371
Ion	Ratio	Lower	Upper
43	100		
61	16.6	14.3	21.5
87	11.9	9.5	14.3

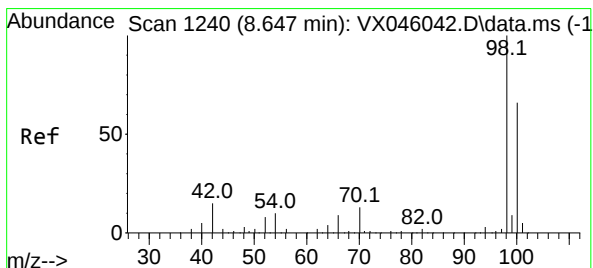
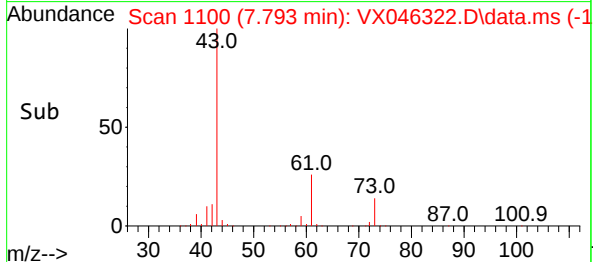
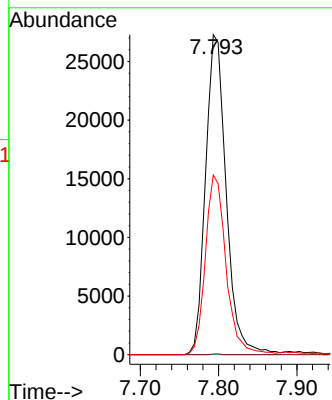
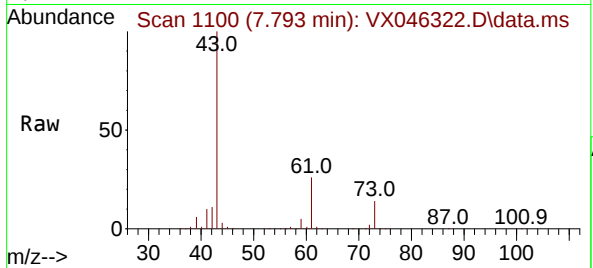




#48
Methyl methacrylate
Concen: 42.606 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046322.D
Acq: 22 May 2025 12:23

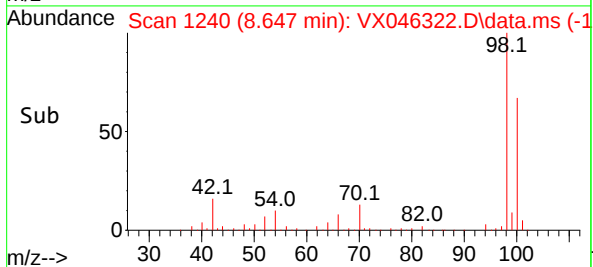
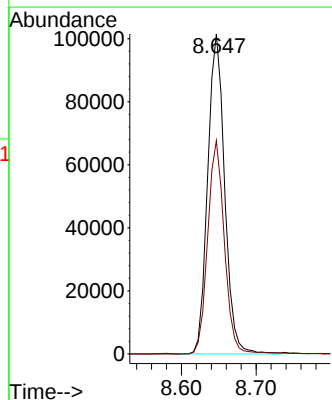
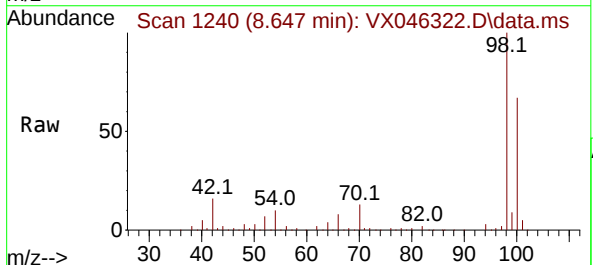
Instrument :
MSVOA_X
ClientSampleId :
VNJ-244

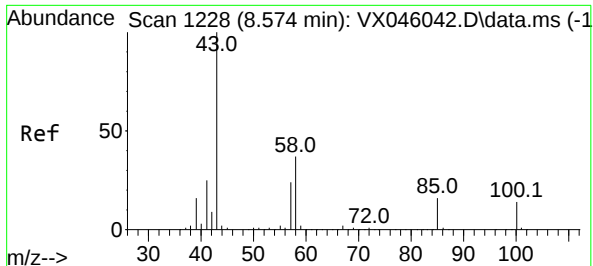
Tgt Ion: 41 Resp: 49998
Ion Ratio Lower Upper
41 100
69 0.1 58.5 87.7#
39 56.2 51.7 77.5



#50
Toluene-d8
Concen: 50.845 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046322.D
Acq: 22 May 2025 12:23

Tgt Ion: 98 Resp: 159674
Ion Ratio Lower Upper
98 100
100 65.8 53.5 80.3

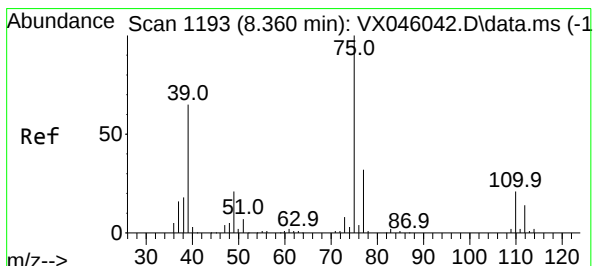
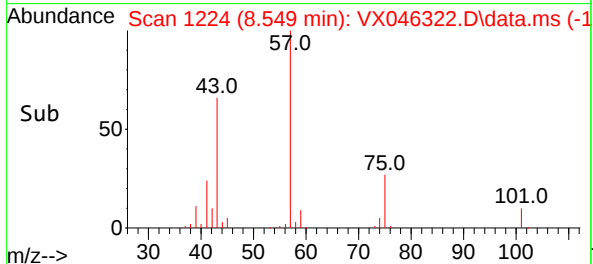
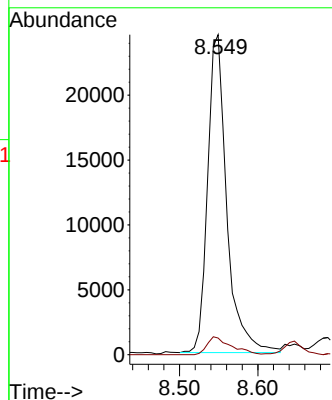
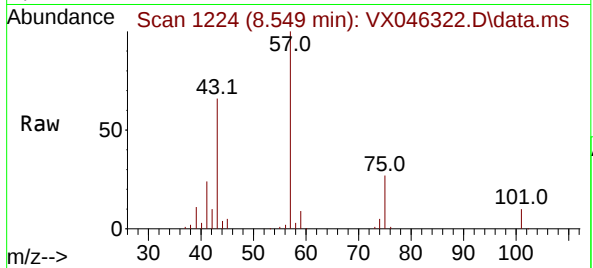




#51
4-Methyl-2-Pentanone
Concen: 27.274 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046322.D
Acq: 22 May 2025 12:23

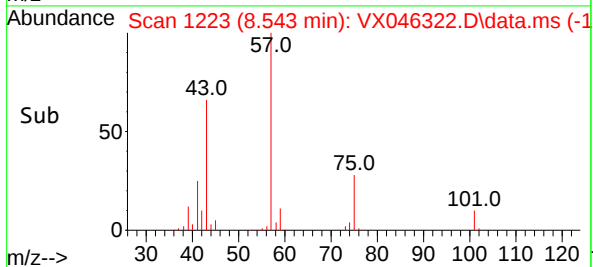
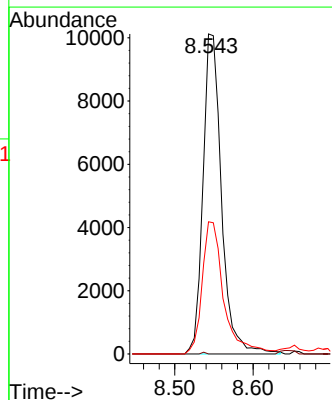
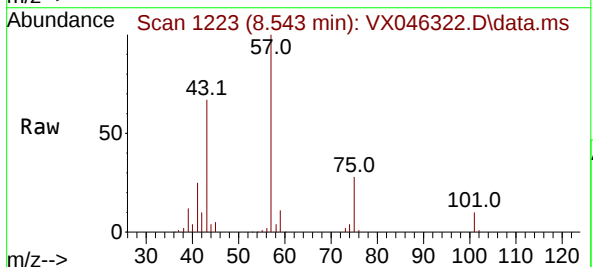
Instrument :
MSVOA_X
ClientSampleId :
VNJ-244

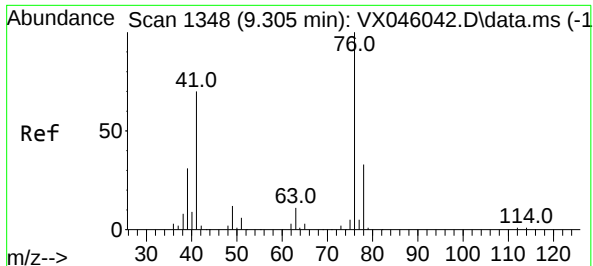
Tgt Ion: 43 Resp: 41599
Ion Ratio Lower Upper
43 100
58 7.1 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 12.262 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. 0.183 min
Lab File: VX046322.D
Acq: 22 May 2025 12:23

Tgt Ion: 75 Resp: 16615
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 41.3 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 1.038 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX046322.D

Acq: 22 May 2025 12:23

Instrument :

MSVOA_X

ClientSampleId :

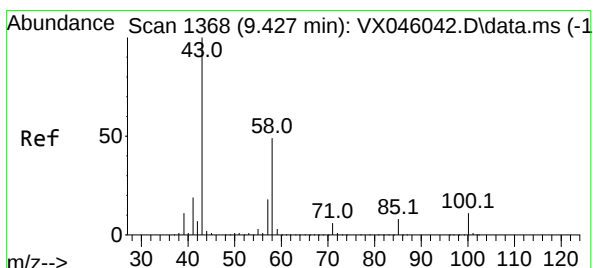
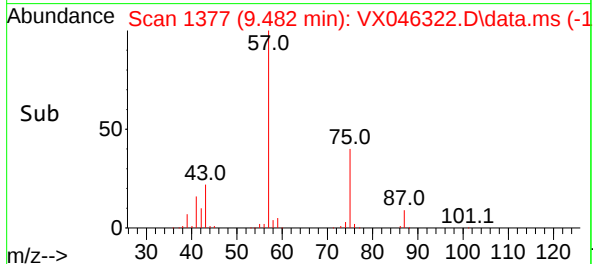
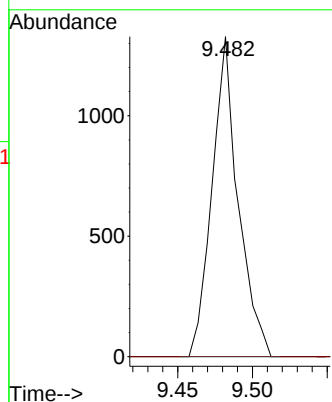
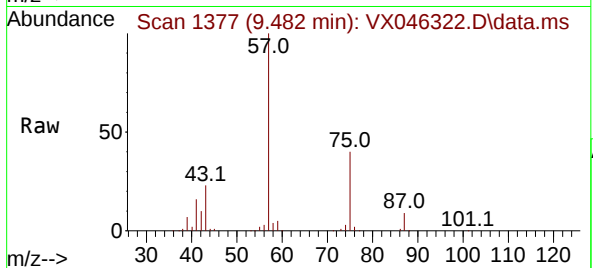
VNJ-244

Tgt Ion: 76 Resp: 1609

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 8.939 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX046322.D

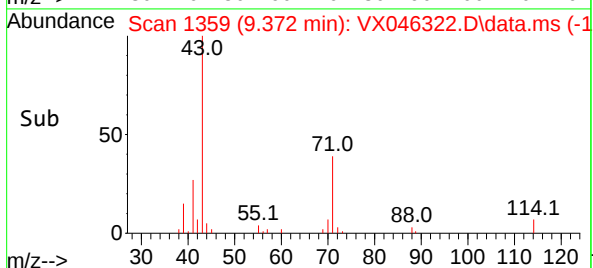
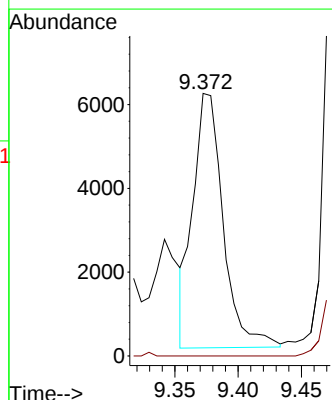
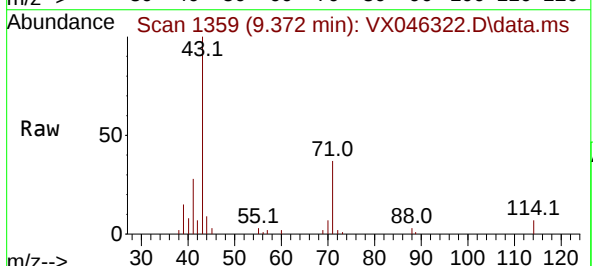
Acq: 22 May 2025 12:23

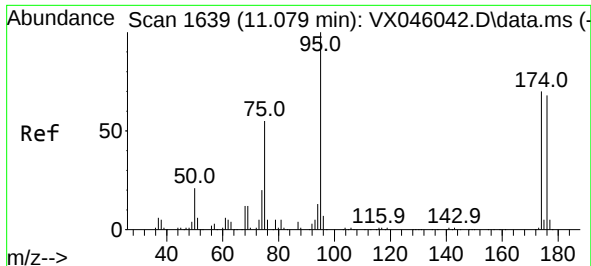
Tgt Ion: 43 Resp: 10087

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

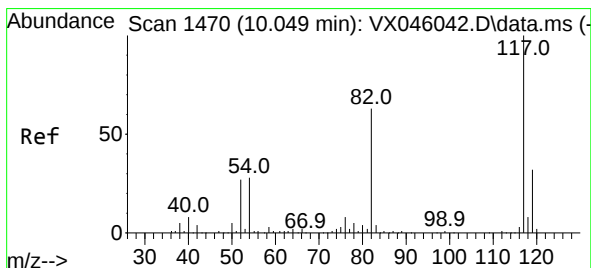
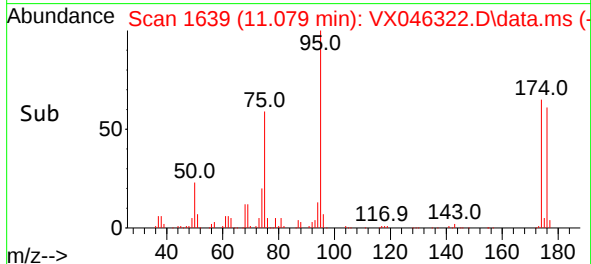
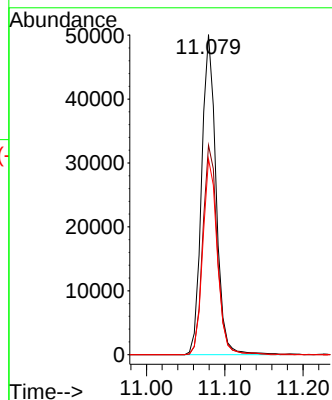
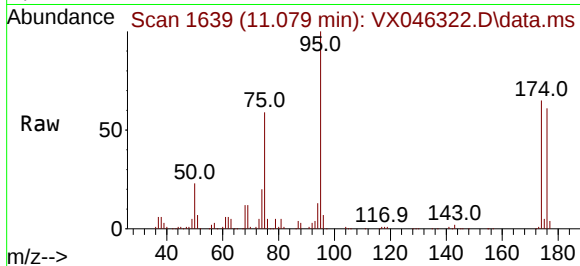




#62
4-Bromofluorobenzene
Concen: 53.130 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046322.D
Acq: 22 May 2025 12:23

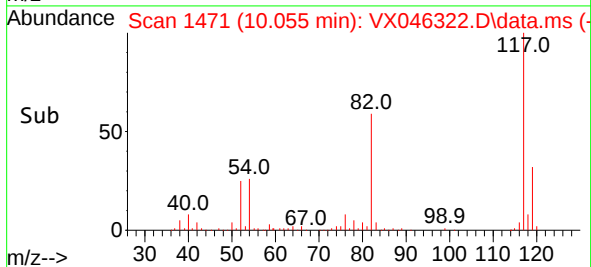
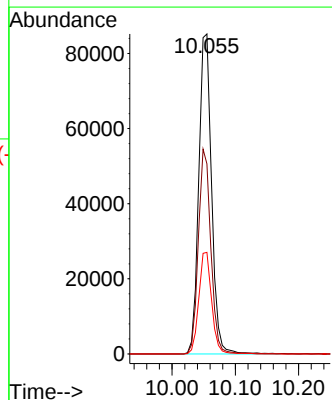
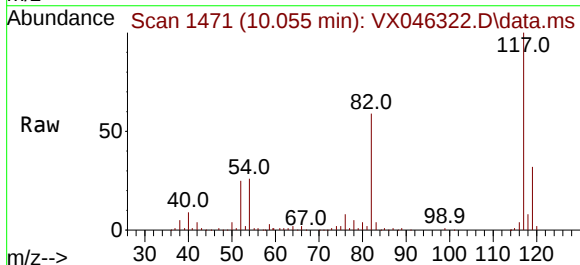
Instrument :
MSVOA_X
ClientSampleId :
VNJ-244

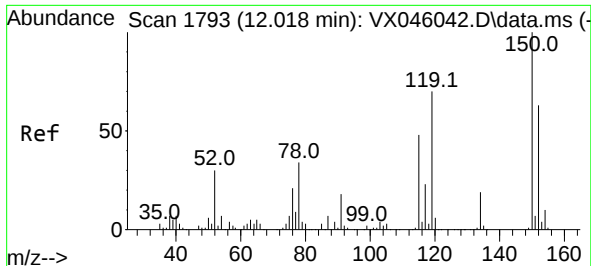
Tgt Ion: 95 Resp: 64000
Ion Ratio Lower Upper
95 100
174 66.0 0.0 135.8
176 61.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046322.D
Acq: 22 May 2025 12:23

Tgt Ion: 117 Resp: 120127
Ion Ratio Lower Upper
117 100
82 59.4 50.6 76.0
119 31.7 25.8 38.6

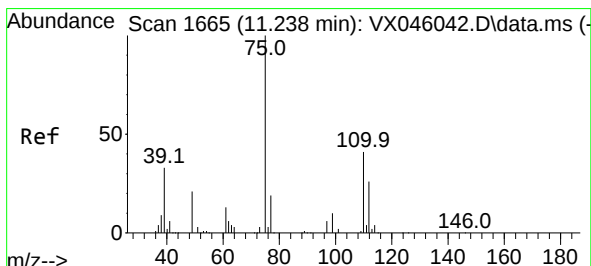
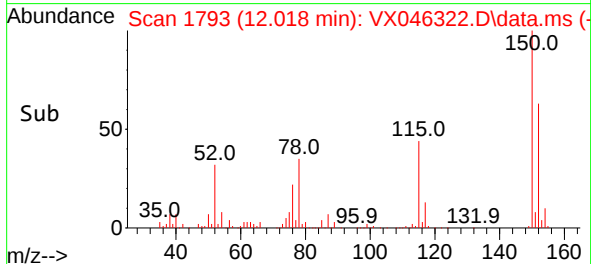
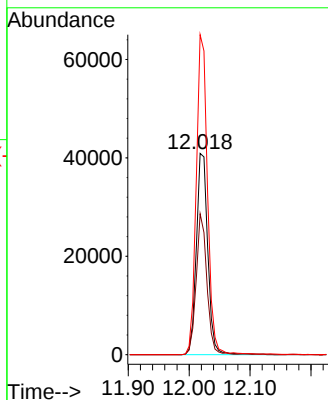
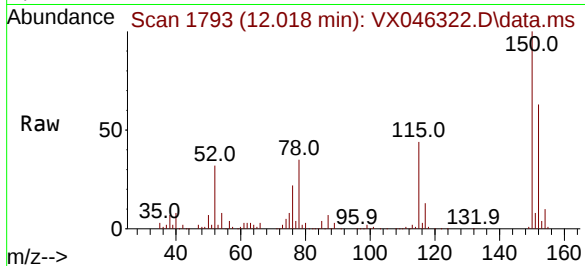




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046322.D
 Acq: 22 May 2025 12:23

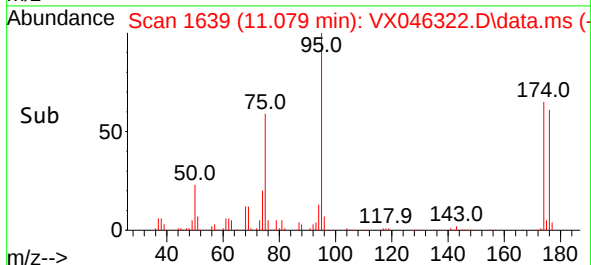
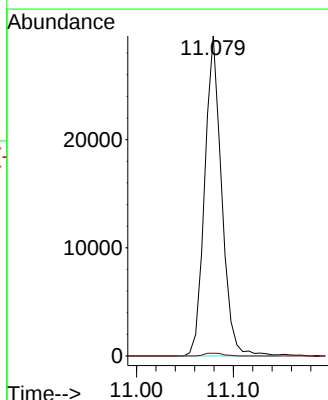
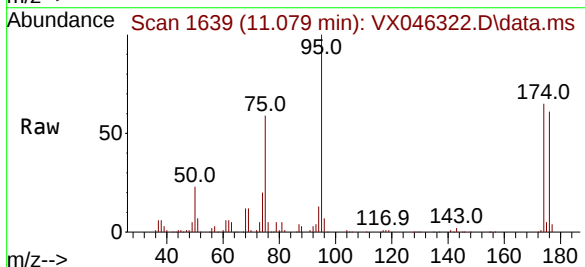
Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-244

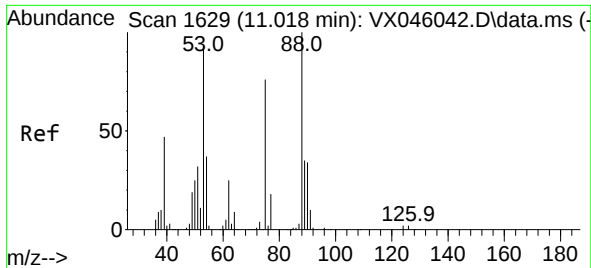
Tgt Ion:152 Resp: 53355
 Ion Ratio Lower Upper
 152 100
 115 65.4 46.9 140.7
 150 156.0 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 28.125 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046322.D
 Acq: 22 May 2025 12:23

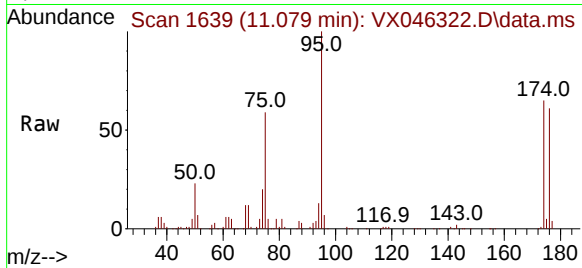
Tgt Ion: 75 Resp: 36120
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.5 61.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 91.565 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046322.D
Acq: 22 May 2025 12:23

Instrument :
MSVOA_X
ClientSampleId :
VNJ-244



Tgt Ion: 75 Resp: 36120
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

