

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX043025\
 Data File : VX045992.D
 Acq On : 30 Apr 2025 12:56
 Operator : JC/MD
 Sample : Q1904-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-210

Quant Time: May 01 03:36:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

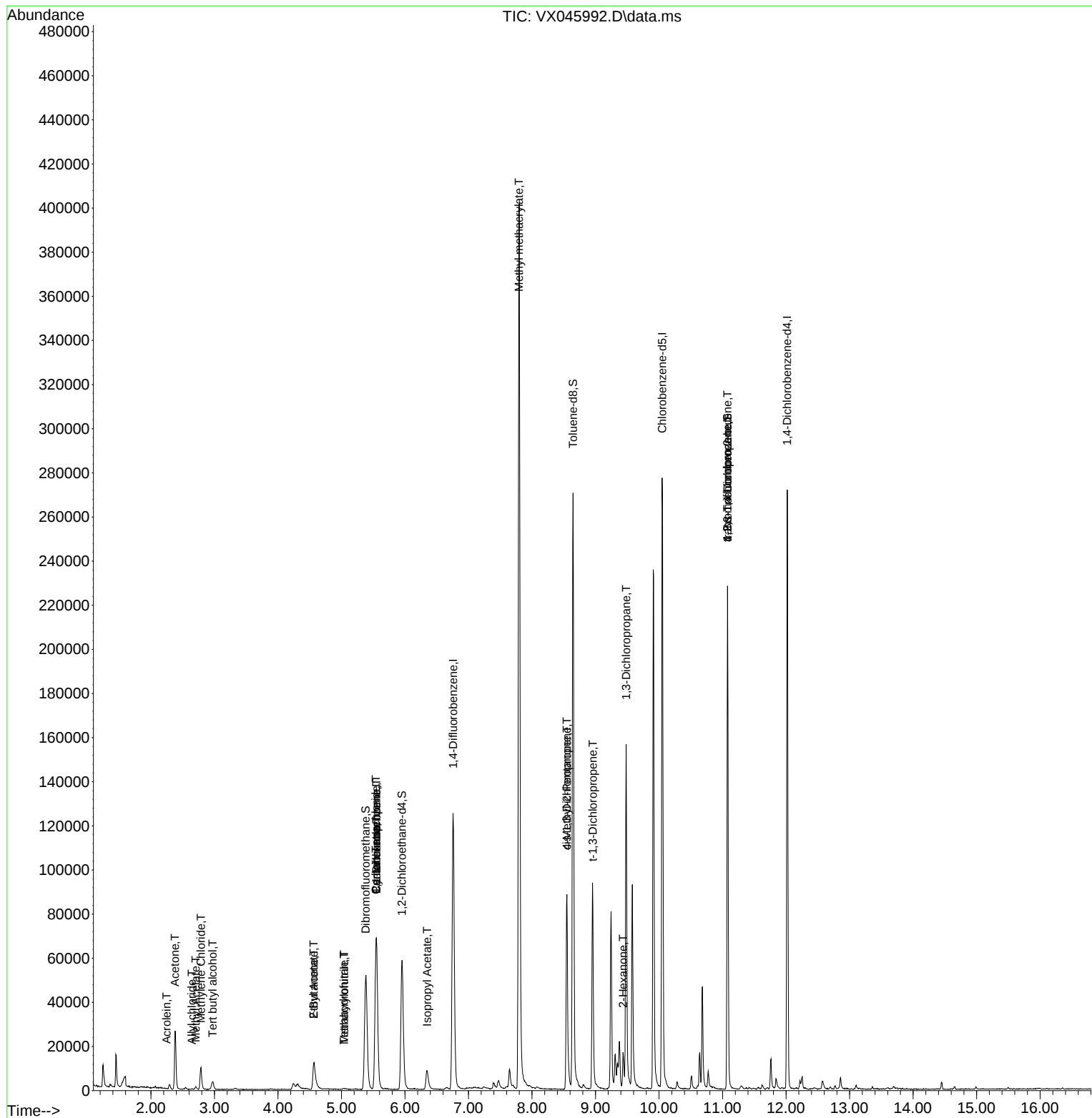
Internal Standards						
1) Pentafluorobenzene	5.550	168	59430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	118869	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	114672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60643	55.799	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.600%			
35) Dibromofluoromethane	5.379	113	44462	52.719	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.440%			
50) Toluene-d8	8.647	98	152330	51.748	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.500%			
62) 4-Bromofluorobenzene	11.079	95	57030	53.187	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.380%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	4135	28.310	ug/l	100
13) Acrolein	2.245	56	47	0.234	ug/l #	15
14) Allyl chloride	2.642	41	279	0.206	ug/l #	21
16) Acetone	2.379	43	29047	65.087	ug/l	97
18) Methyl Acetate	2.703	43	1664	1.619	ug/l	99
20) Methylene Chloride	2.788	84	4201	5.028	ug/l	87
25) 2-Butanone	4.562	43	24708	37.823	ug/l	99
29) Tetrahydrofuran	5.038	42	198	0.467	ug/l #	46
31) Cyclohexane	5.550	56	1822	1.367	ug/l #	38
36) 1,1-Dichloropropene	5.550	75	6161	5.410	ug/l #	46
37) Ethyl Acetate	4.562	43	24708	17.218	ug/l #	71
38) Carbon Tetrachloride	5.544	117	7150	5.810	ug/l #	17
41) Methacrylonitrile	5.044	41	201	0.265	ug/l #	39
43) Isopropyl Acetate	6.348	43	13422	6.171	ug/l	98
48) Methyl methacrylate	7.793	41	40983	36.495	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	36311	25.184	ug/l #	53
53) t-1,3-Dichloropropene	8.958	75	175	2.420	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13249	10.598	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	1230	0.842	ug/l #	42
59) 2-Hexanone	9.433	43	9886	9.259	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	32939	27.391	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	32939	92.960	ug/l #	1

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

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QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

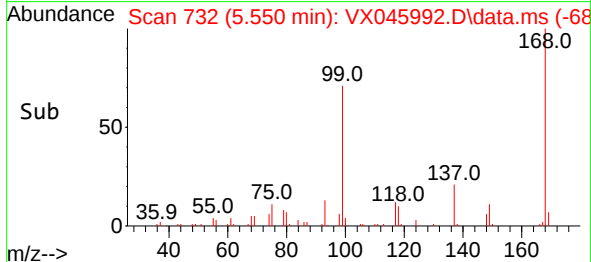
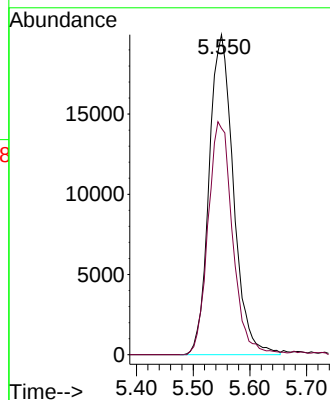
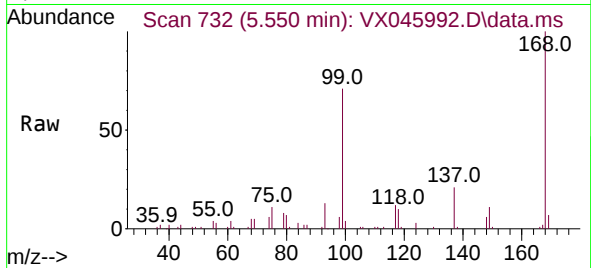




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045992.D
Acq: 30 Apr 2025 12:56

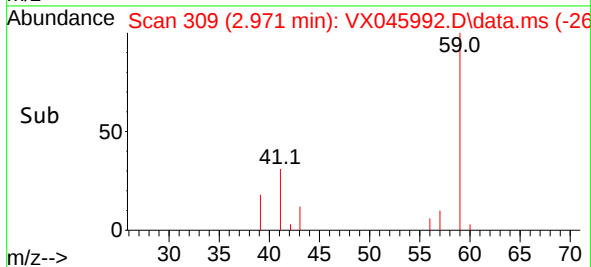
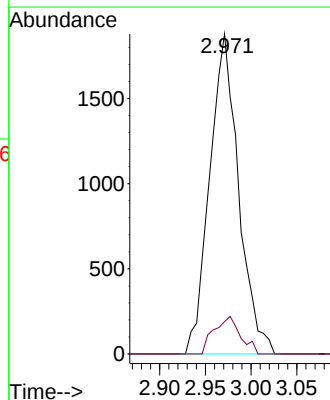
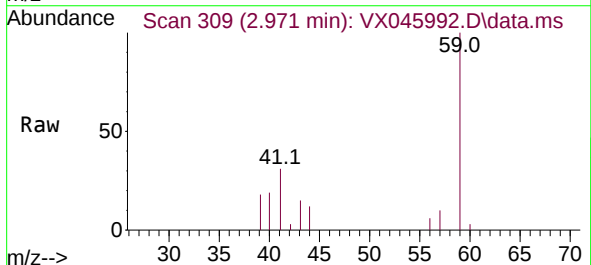
Instrument :
MSVOA_X
ClientSampleId :
VNJ-210

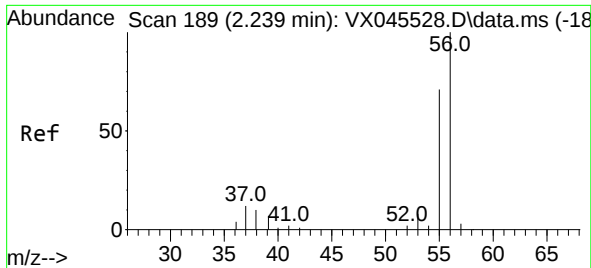
Tgt Ion:168 Resp: 59430
Ion Ratio Lower Upper
168 100
99 70.8 52.3 78.5



#11
Tert butyl alcohol
Concen: 28.310 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045992.D
Acq: 30 Apr 2025 12:56

Tgt Ion: 59 Resp: 4135
Ion Ratio Lower Upper
59 100
57 10.7 8.6 12.8





#13

Acrolein

Concen: 0.234 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX045992.D

Acq: 30 Apr 2025 12:56

Instrument :

MSVOA_X

ClientSampleId :

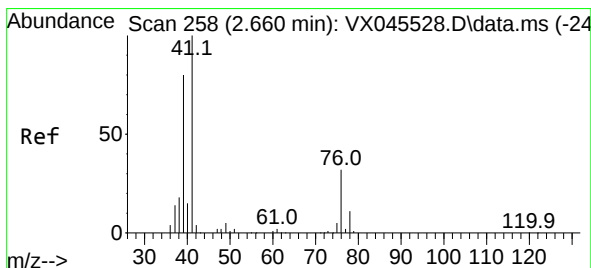
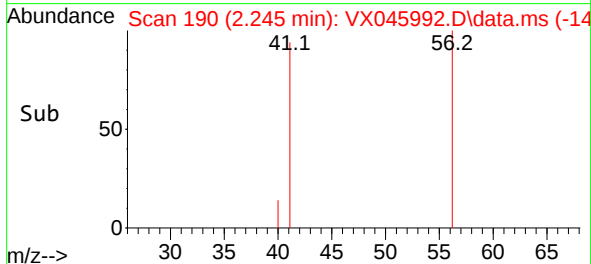
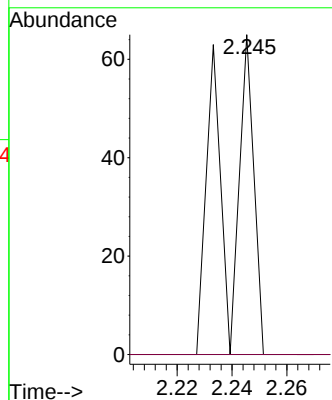
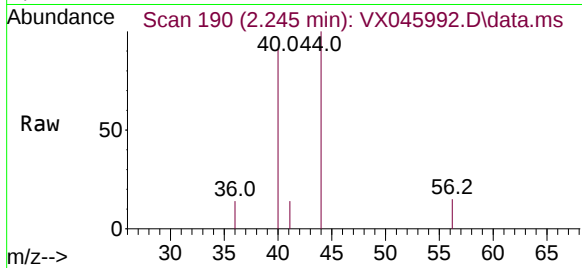
VNJ-210

Tgt Ion: 56 Resp: 47

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.2#



#14

Allyl chloride

Concen: 0.206 ug/l

RT: 2.642 min Scan# 255

Delta R.T. -0.018 min

Lab File: VX045992.D

Acq: 30 Apr 2025 12:56

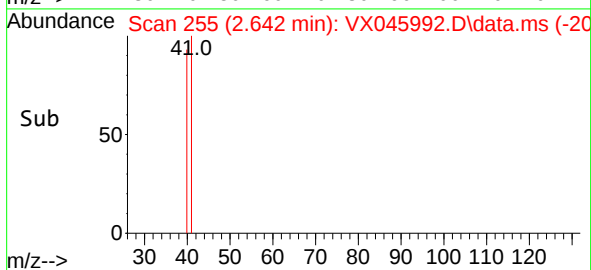
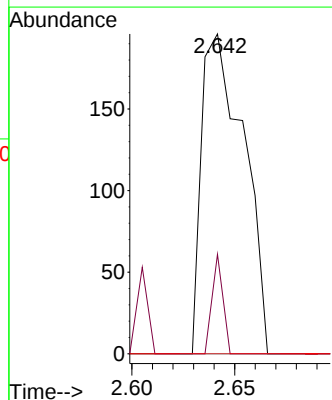
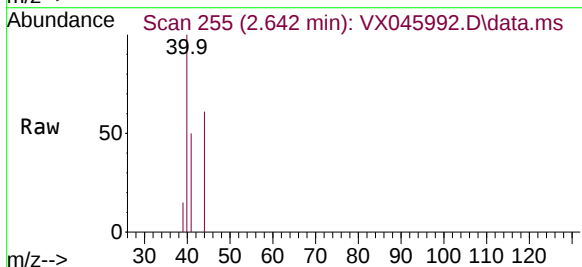
Tgt Ion: 41 Resp: 279

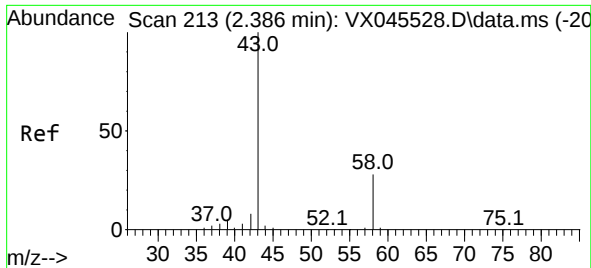
Ion Ratio Lower Upper

41 100

39 0.0 60.2 90.2#

76 0.0 24.6 36.8#





#16

Acetone

Concen: 65.087 ug/l

RT: 2.379 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX045992.D

Acq: 30 Apr 2025 12:56

Instrument :

MSVOA_X

ClientSampleId :

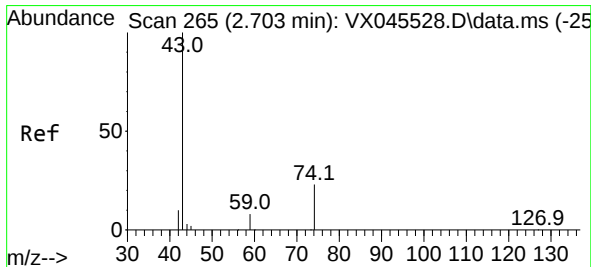
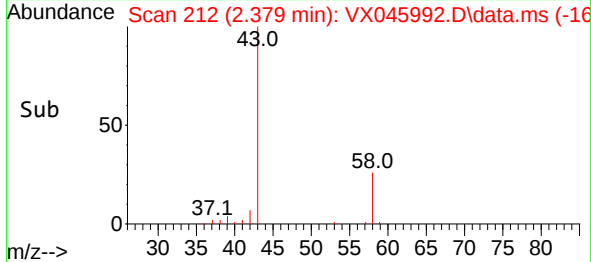
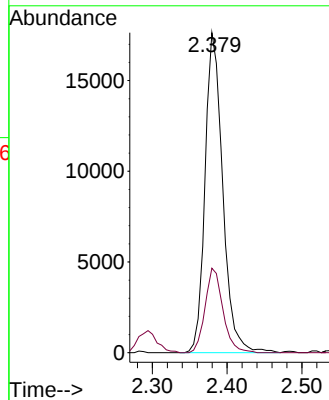
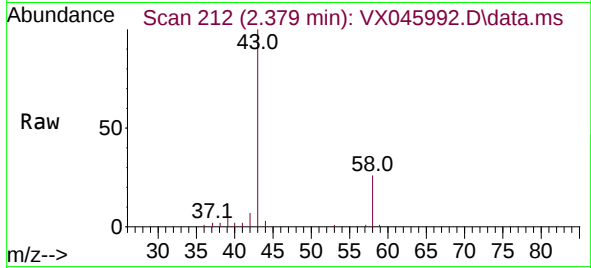
VNJ-210

Tgt Ion: 43 Resp: 29047

Ion Ratio Lower Upper

43 100

58 26.4 22.3 33.5



#18

Methyl Acetate

Concen: 1.619 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX045992.D

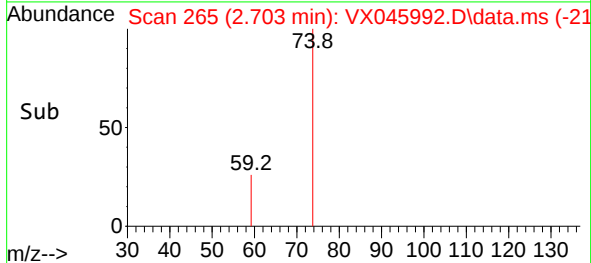
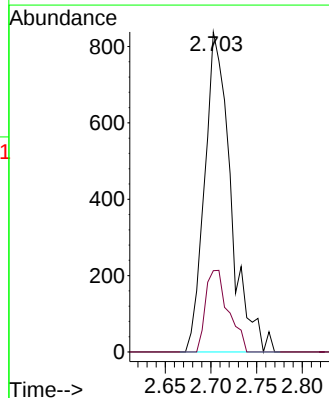
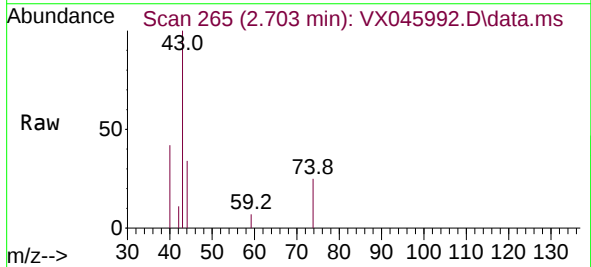
Acq: 30 Apr 2025 12:56

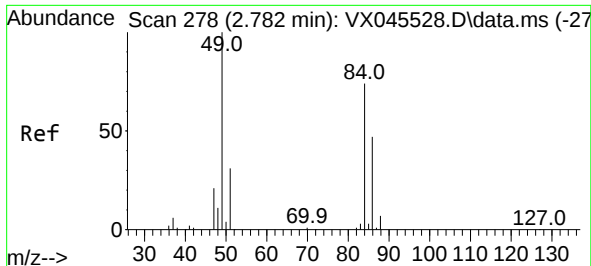
Tgt Ion: 43 Resp: 1664

Ion Ratio Lower Upper

43 100

74 22.2 17.5 26.3

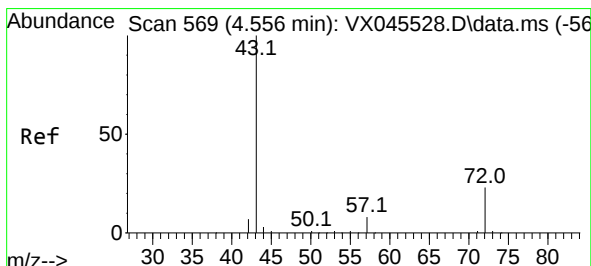
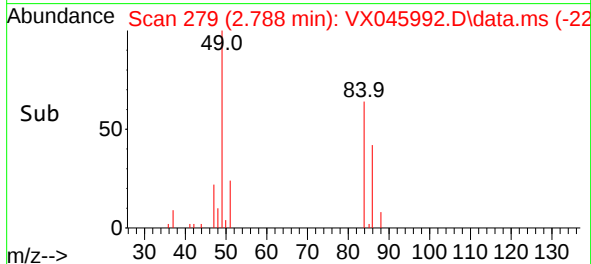
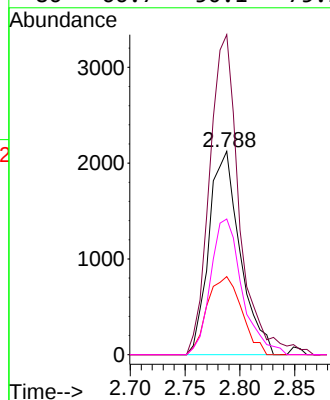
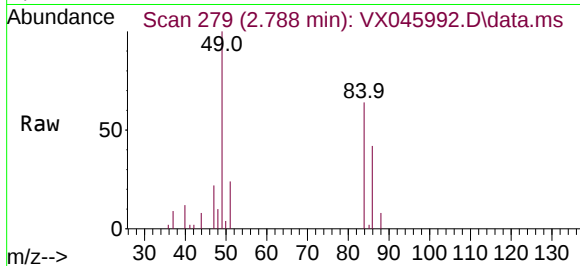




#20
Methylene Chloride
Concen: 5.028 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045992.D
Acq: 30 Apr 2025 12:56

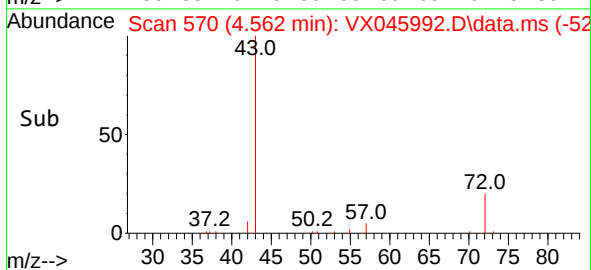
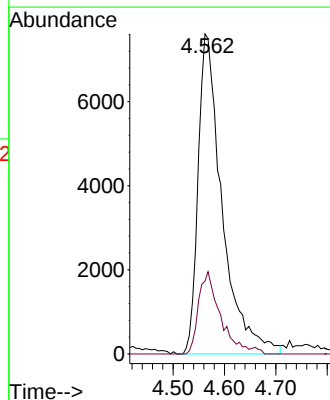
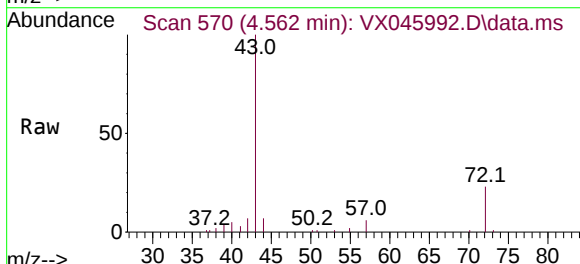
Instrument :
MSVOA_X
ClientSampleId :
VNJ-210

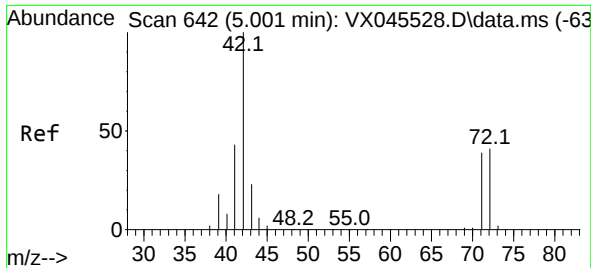
Tgt Ion:	84	Resp:	4201
Ion	Ratio	Lower	Upper
84	100		
49	157.4	107.5	161.3
51	38.4	33.0	49.6
86	66.7	50.1	75.1



#25
2-Butanone
Concen: 37.823 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX045992.D
Acq: 30 Apr 2025 12:56

Tgt Ion:	43	Resp:	24708
Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.467 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.036 min

Lab File: VX045992.D

Acq: 30 Apr 2025 12:56

Instrument :

MSVOA_X

ClientSampleId :

VNJ-210

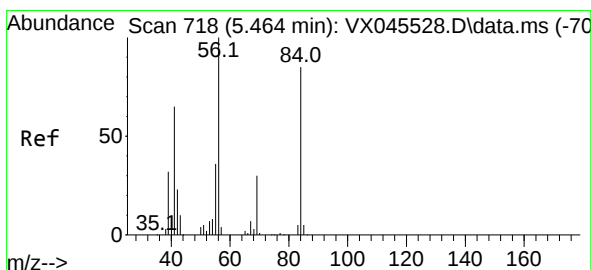
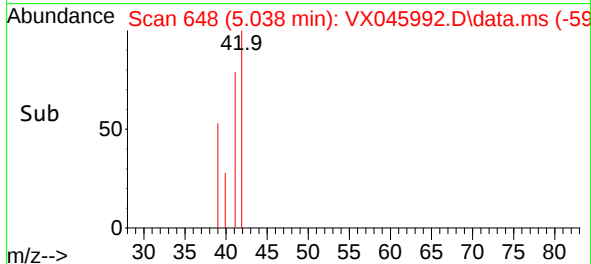
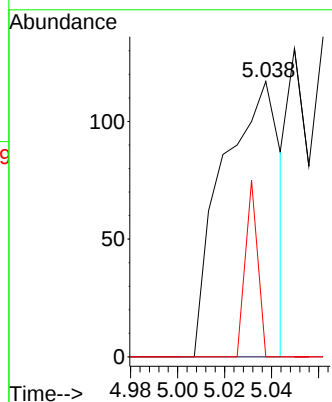
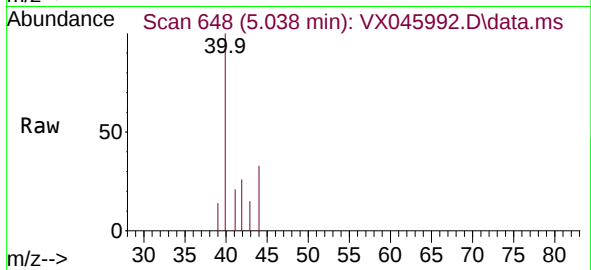
Tgt Ion: 42 Resp: 198

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 13.6 31.4 47.0#



#31

Cyclohexane

Concen: 1.367 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045992.D

Acq: 30 Apr 2025 12:56

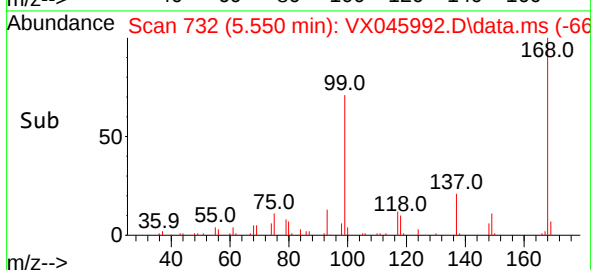
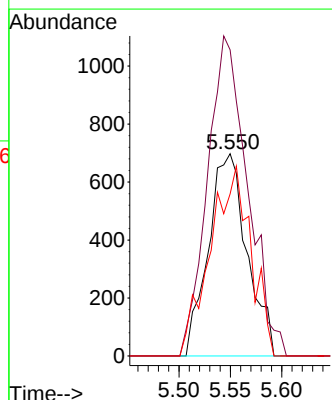
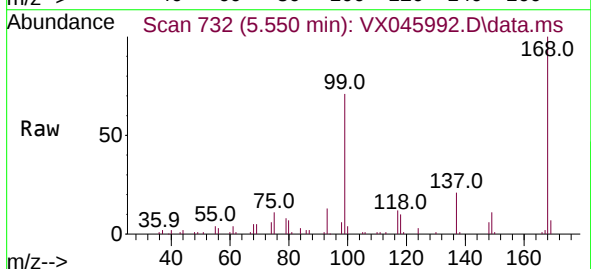
Tgt Ion: 56 Resp: 1822

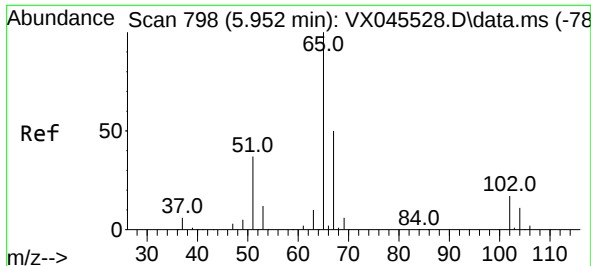
Ion Ratio Lower Upper

56 100

69 151.3 23.6 35.4#

84 80.1 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 55.799 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045992.D

Acq: 30 Apr 2025 12:56

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ClientSampleId :

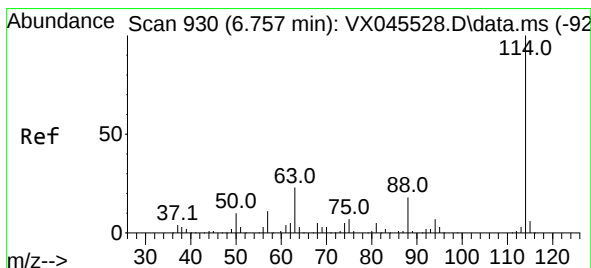
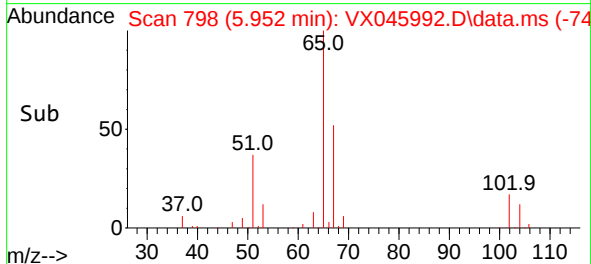
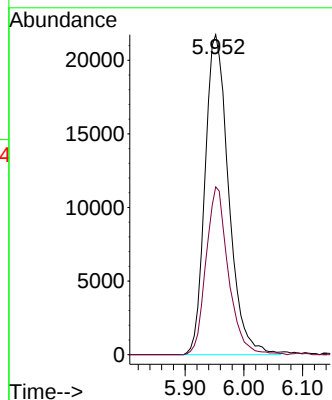
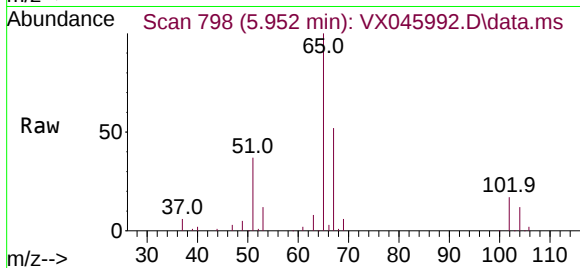
VNJ-210

Tgt Ion: 65 Resp: 60643

Ion Ratio Lower Upper

65 100

67 49.8 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: VX045992.D

Acq: 30 Apr 2025 12:56

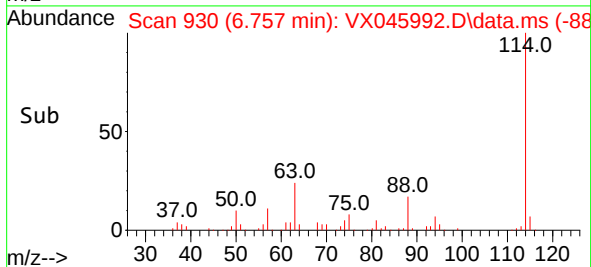
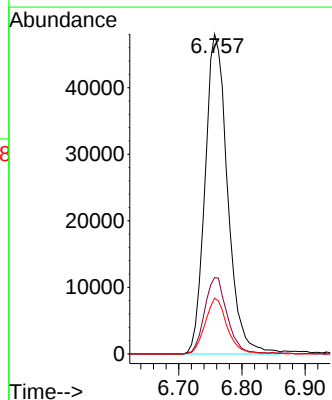
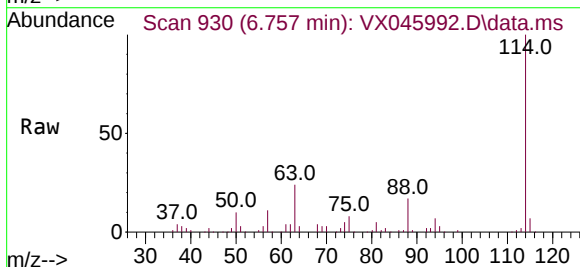
Tgt Ion: 114 Resp: 118869

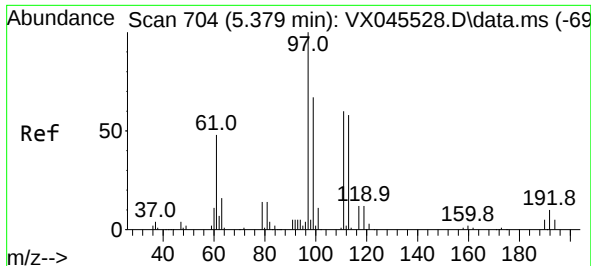
Ion Ratio Lower Upper

114 100

63 23.9 0.0 46.8

88 17.5 0.0 35.4

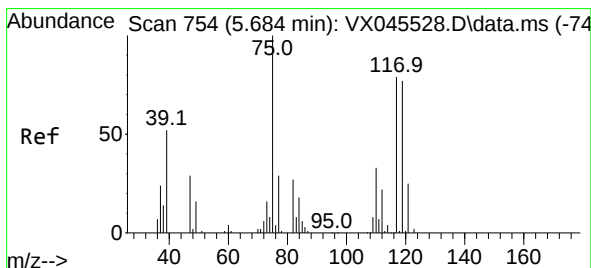
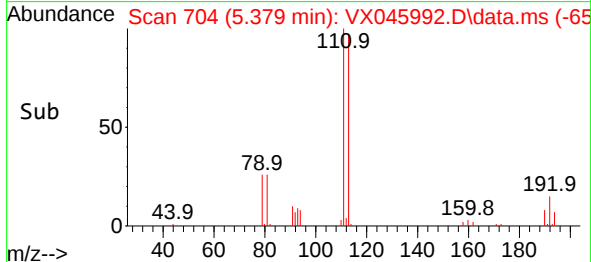
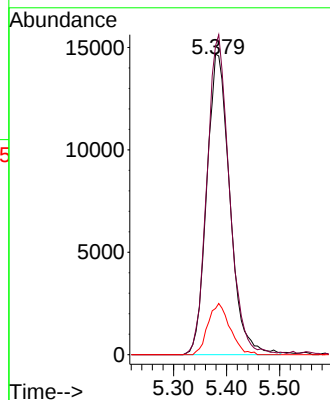
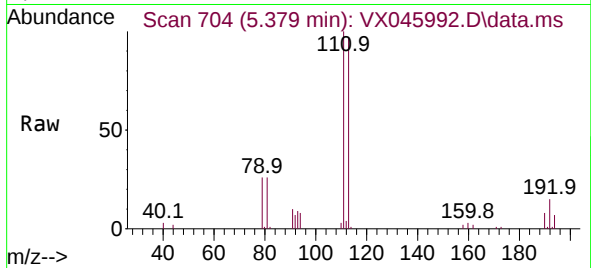




#35
Dibromofluoromethane
Concen: 52.719 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045992.D
Acq: 30 Apr 2025 12:56

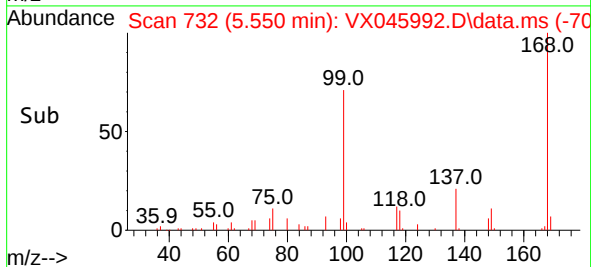
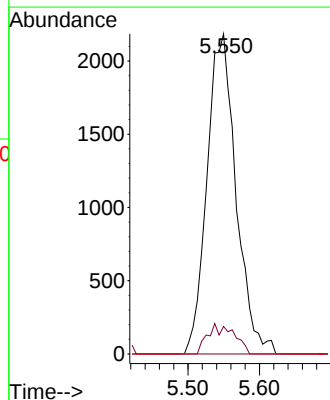
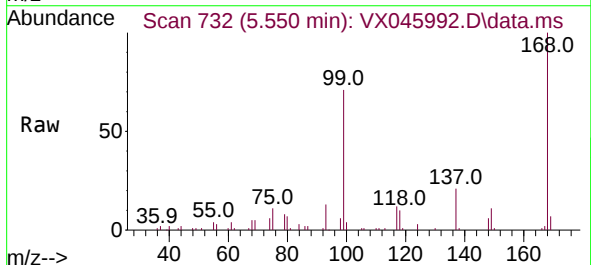
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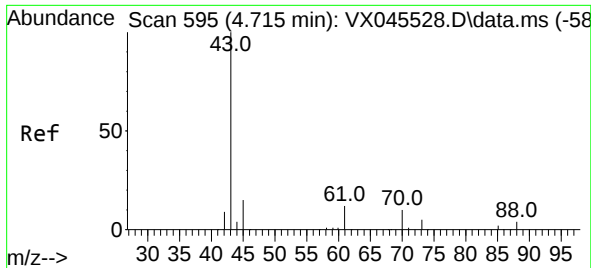
Tgt Ion:113 Resp: 44462
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.6
192 16.3 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.410 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX045992.D
Acq: 30 Apr 2025 12:56

Tgt Ion: 75 Resp: 6161
Ion Ratio Lower Upper
75 100
110 4.0 16.9 50.6#
77 0.0 25.0 37.4#

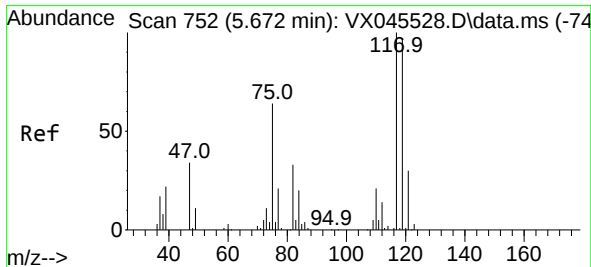
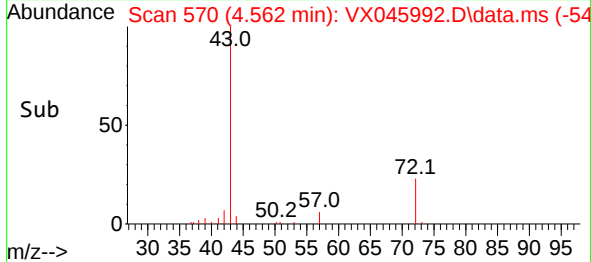
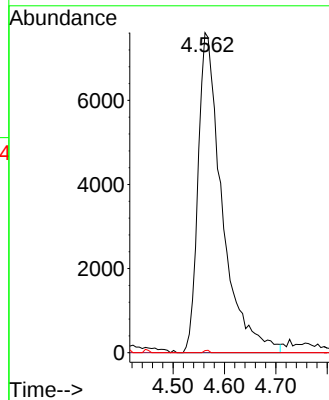
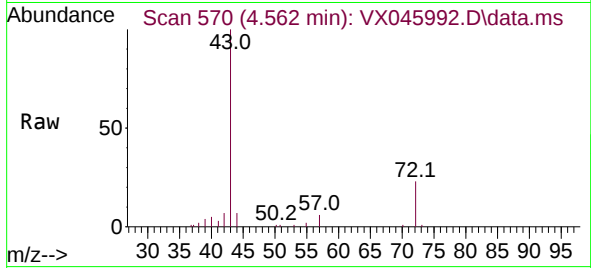




#37
Ethyl Acetate
Concen: 17.218 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.153 min
Lab File: VX045992.D
Acq: 30 Apr 2025 12:56

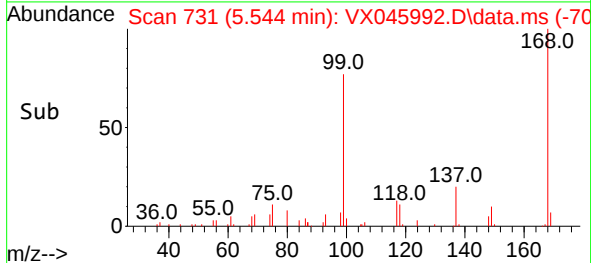
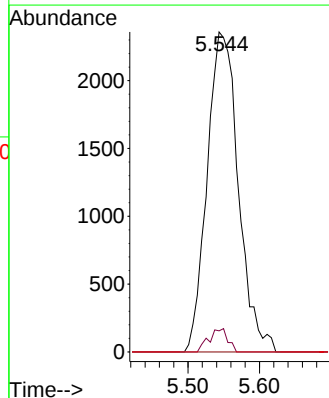
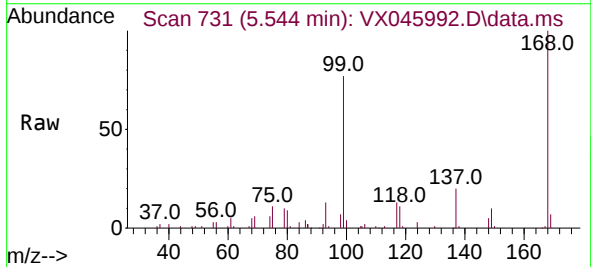
Instrument :
MSVOA_X
ClientSampleId :
VNJ-210

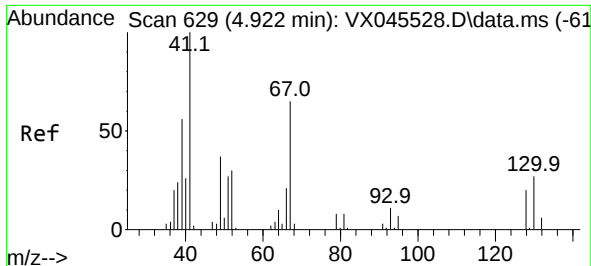
Tgt Ion: 43 Resp: 24708
Ion Ratio Lower Upper
43 100
61 0.0 9.9 14.9#
70 0.2 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 5.810 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045992.D
Acq: 30 Apr 2025 12:56

Tgt Ion: 117 Resp: 7150
Ion Ratio Lower Upper
117 100
119 6.6 76.9 115.3#
121 0.0 24.2 36.2#

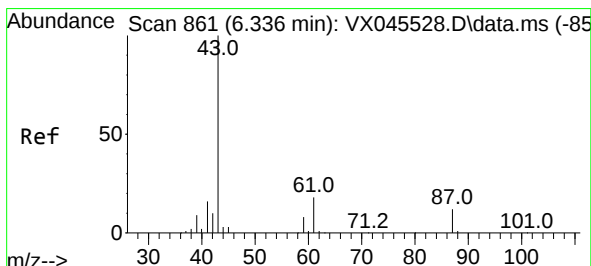
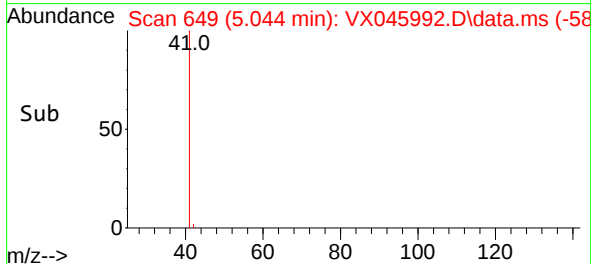
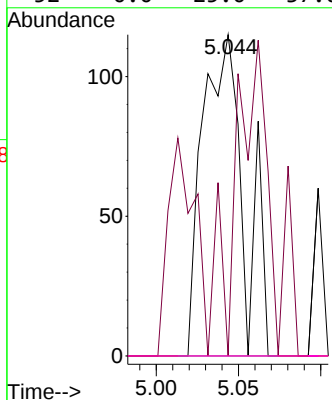
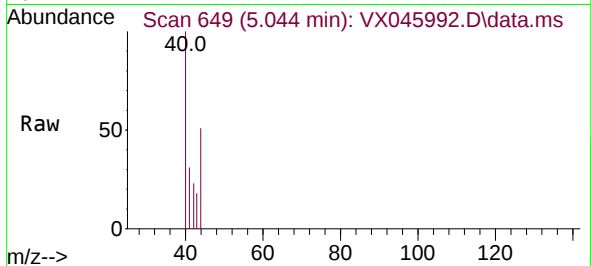




#41
Methacrylonitrile
Concen: 0.265 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX045992.D
Acq: 30 Apr 2025 12:56

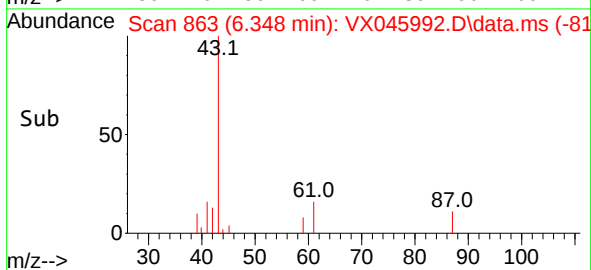
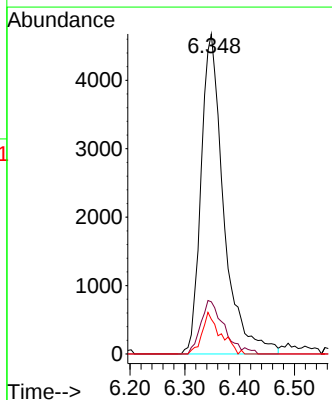
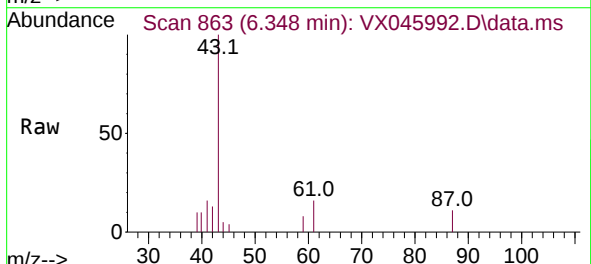
Instrument :
MSVOA_X
ClientSampleId :
VNJ-210

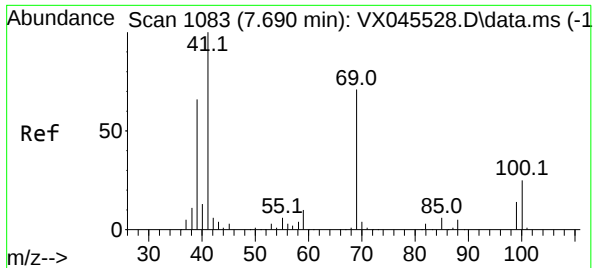
Tgt Ion:	41	Resp:	201
Ion	Ratio	Lower	Upper
41	100		
39	87.6	47.0	70.6#
67	0.0	53.2	79.8#
52	0.0	25.0	37.6#



#43
Isopropyl Acetate
Concen: 6.171 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045992.D
Acq: 30 Apr 2025 12:56

Tgt Ion:	43	Resp:	13422
Ion	Ratio	Lower	Upper
43	100		
61	17.3	14.1	21.1
87	10.5	9.2	13.8





#48

Methyl methacrylate

Concen: 36.495 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX045992.D

Acq: 30 Apr 2025 12:56

Instrument :

MSVOA_X

ClientSampleId :

VNJ-210

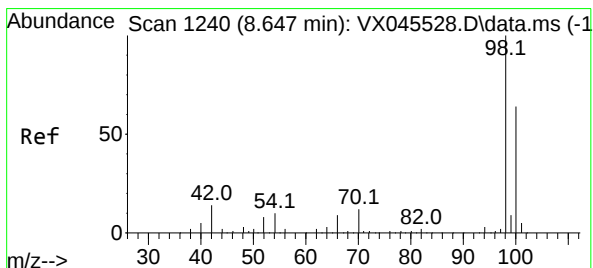
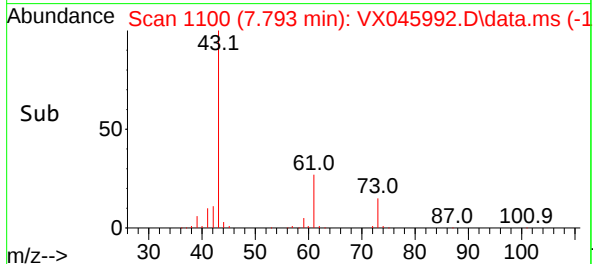
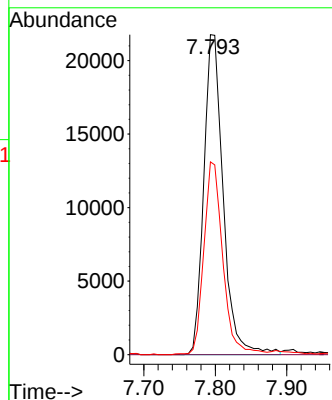
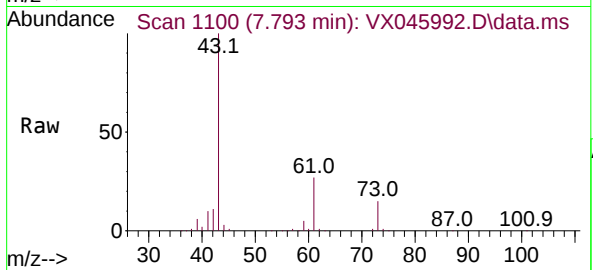
Tgt Ion: 41 Resp: 40983

Ion Ratio Lower Upper

41 100

69 0.0 58.2 87.2#

39 58.9 53.6 80.4



#50

Toluene-d8

Concen: 51.748 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045992.D

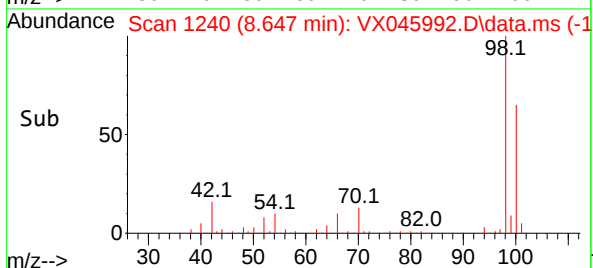
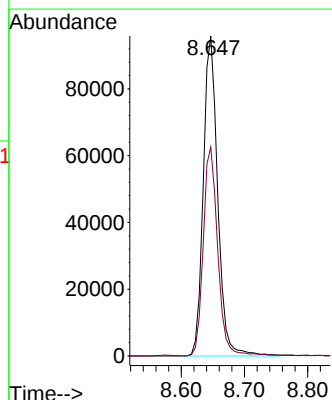
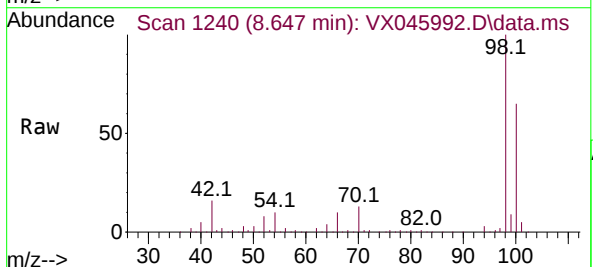
Acq: 30 Apr 2025 12:56

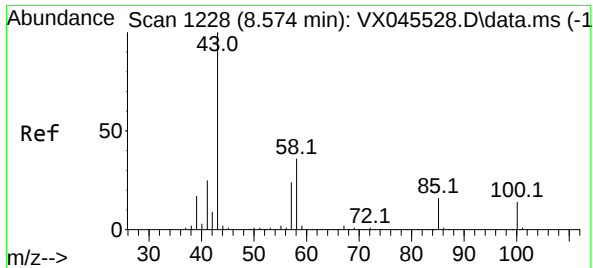
Tgt Ion: 98 Resp: 152330

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.4

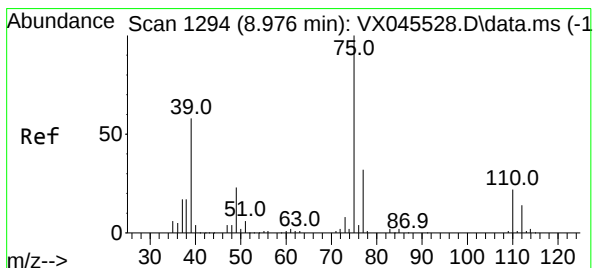
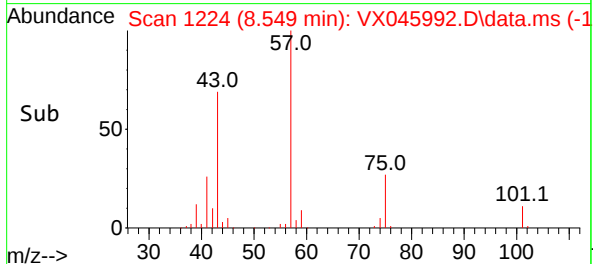
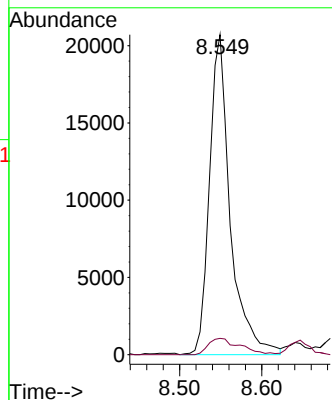
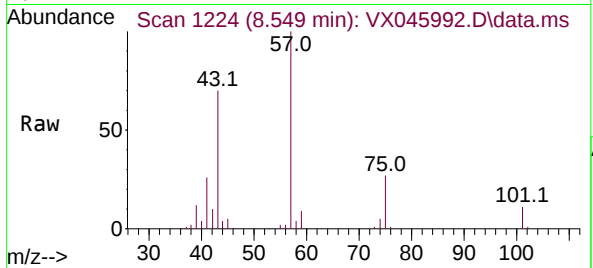




#51
4-Methyl-2-Pentanone
Concen: 25.184 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX045992.D
Acq: 30 Apr 2025 12:56

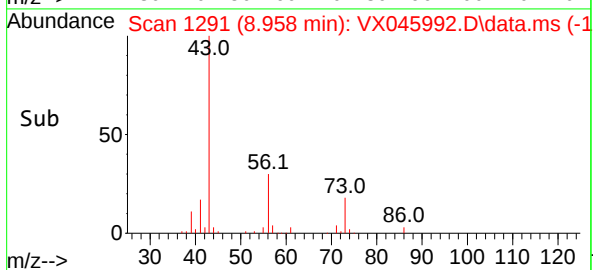
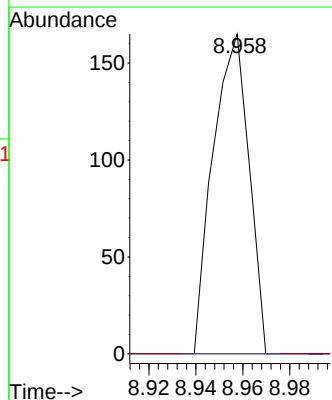
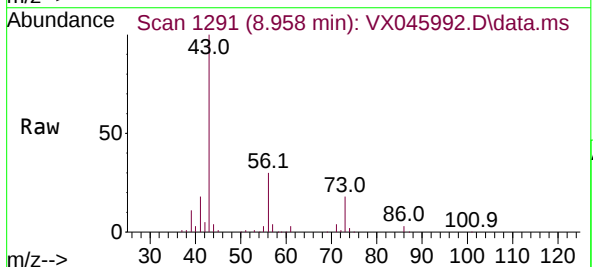
Instrument :
MSVOA_X
ClientSampleId :
VNJ-210

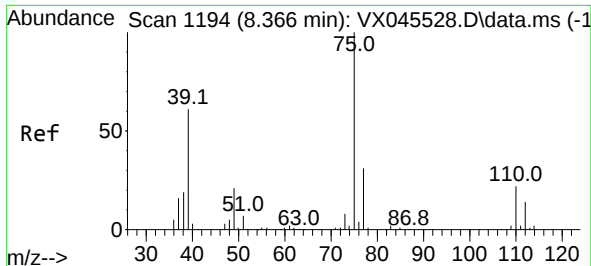
Tgt Ion: 43 Resp: 36311
Ion Ratio Lower Upper
43 100
58 7.9 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.420 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX045992.D
Acq: 30 Apr 2025 12:56

Tgt Ion: 75 Resp: 175
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

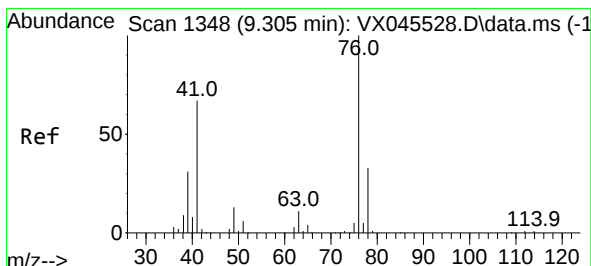
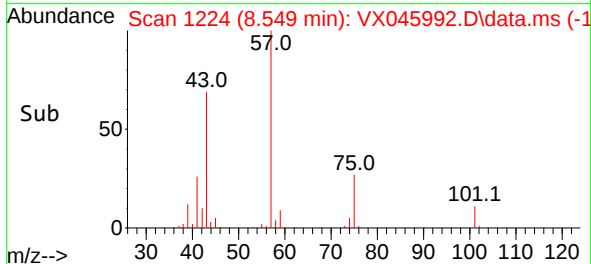
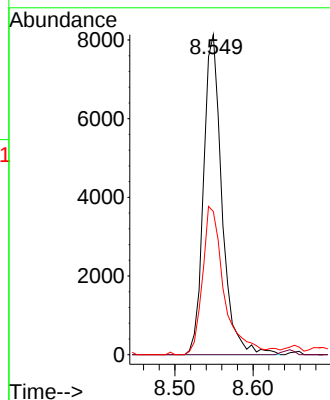
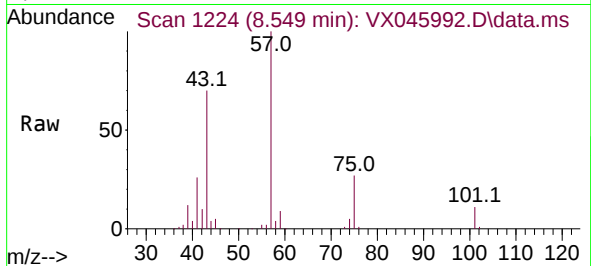




#54
 cis-1,3-Dichloropropene
 Concen: 10.598 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045992.D
 Acq: 30 Apr 2025 12:56

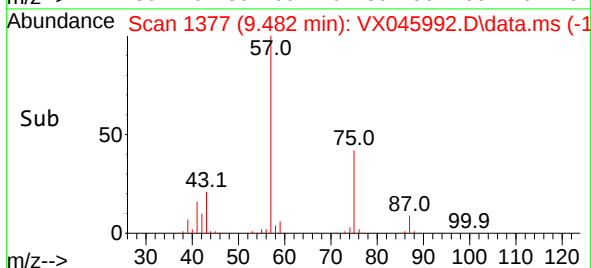
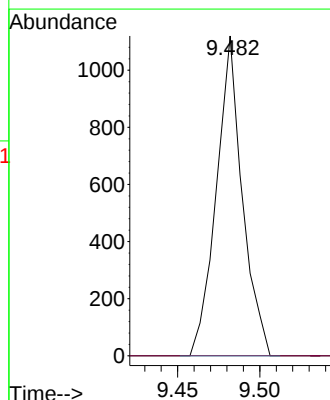
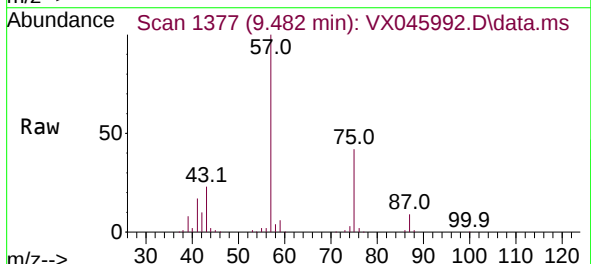
Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-210

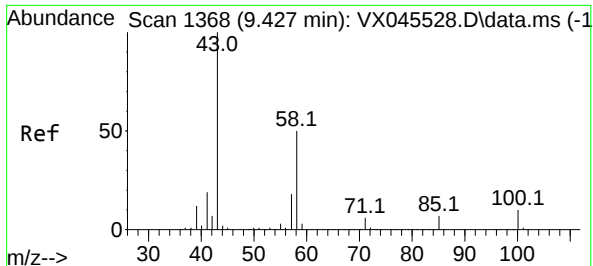
Tgt Ion: 75 Resp: 13249
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 44.7 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.842 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045992.D
 Acq: 30 Apr 2025 12:56

Tgt Ion: 76 Resp: 1230
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

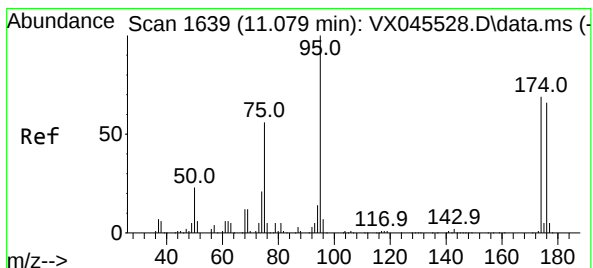
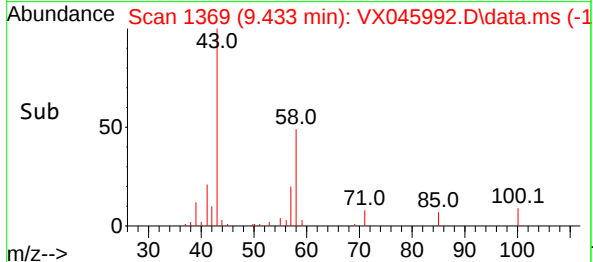
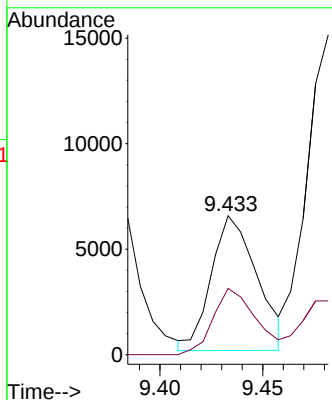
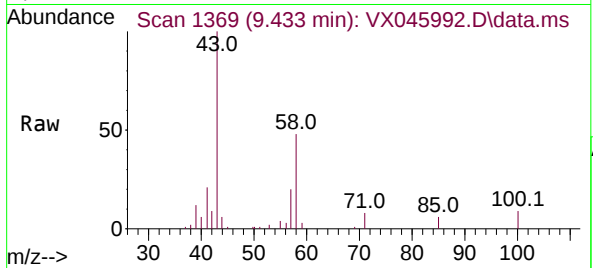




#59
2-Hexanone
Concen: 9.259 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX045992.D
Acq: 30 Apr 2025 12:56

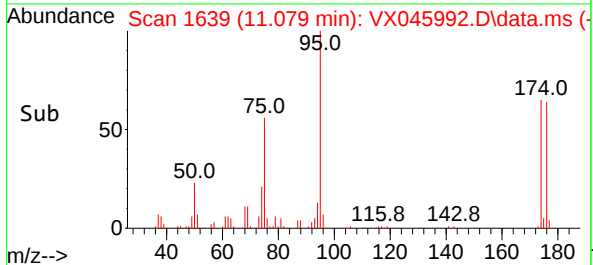
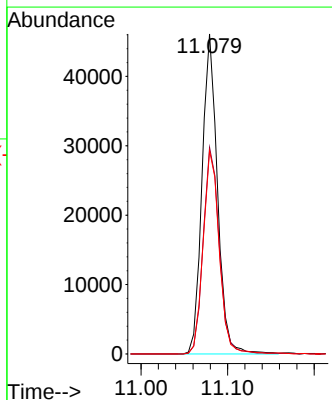
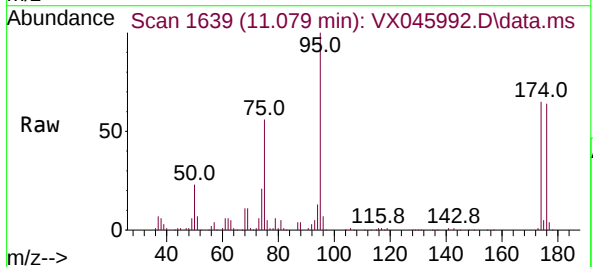
Instrument :
MSVOA_X
ClientSampleId :
VNJ-210

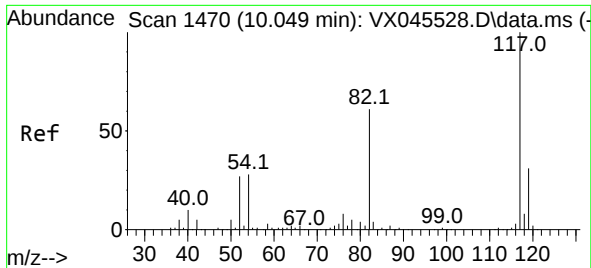
Tgt Ion: 43 Resp: 9886
Ion Ratio Lower Upper
43 100
58 46.1 24.9 74.6



#62
4-Bromofluorobenzene
Concen: 53.187 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045992.D
Acq: 30 Apr 2025 12:56

Tgt Ion: 95 Resp: 57030
Ion Ratio Lower Upper
95 100
174 67.4 0.0 135.8
176 66.2 0.0 131.4

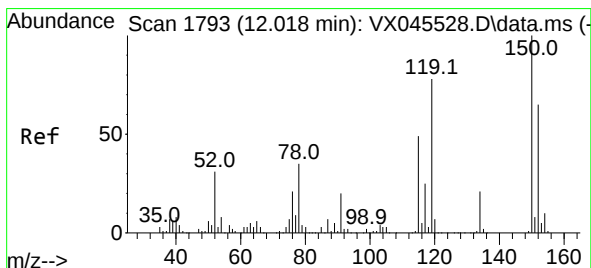
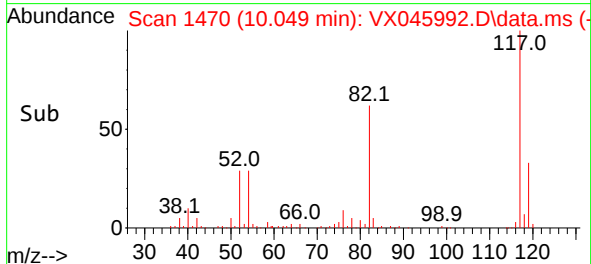
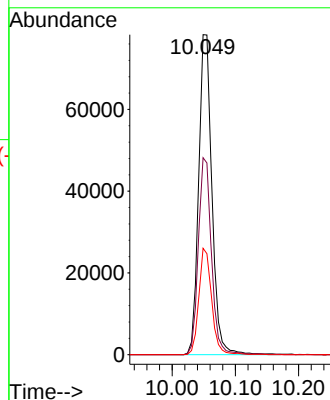
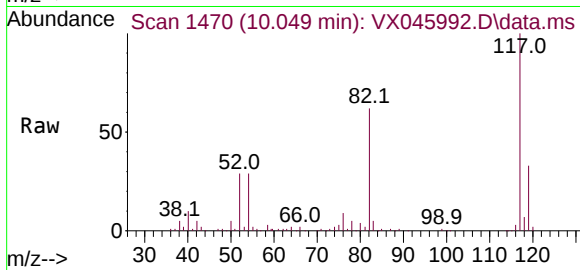




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045992.D
Acq: 30 Apr 2025 12:56

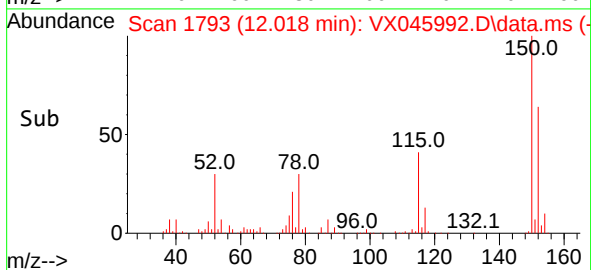
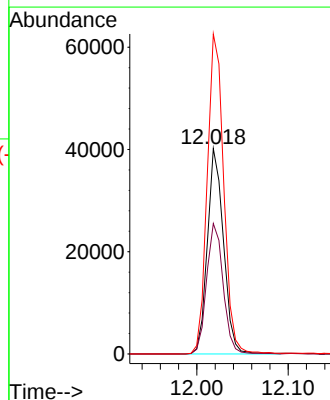
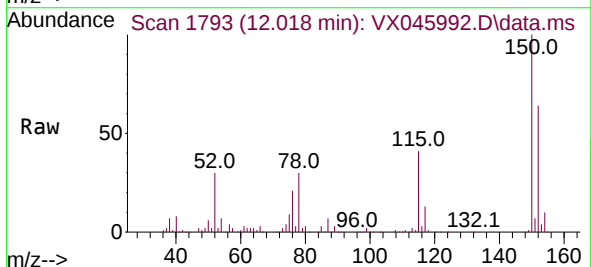
Instrument :
MSVOA_X
ClientSampleId :
VNJ-210

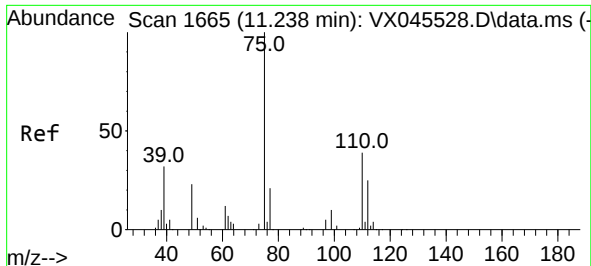
Tgt Ion:117 Resp: 114672
Ion Ratio Lower Upper
117 100
82 61.6 49.2 73.8
119 33.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045992.D
Acq: 30 Apr 2025 12:56

Tgt Ion:152 Resp: 49301
Ion Ratio Lower Upper
152 100
115 64.9 46.9 140.7
150 158.7 0.0 349.4

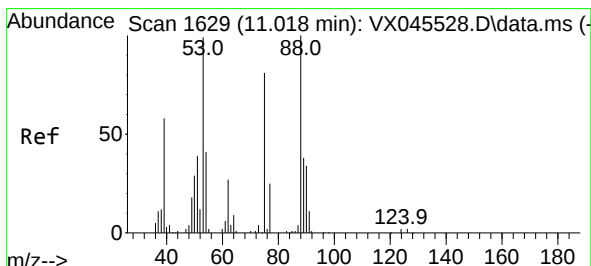
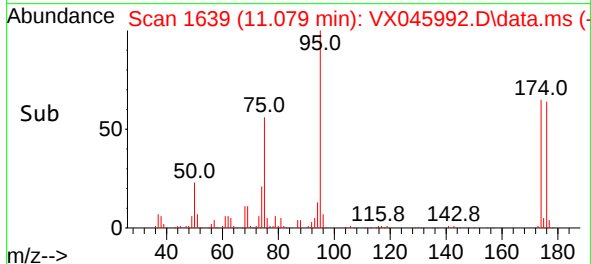
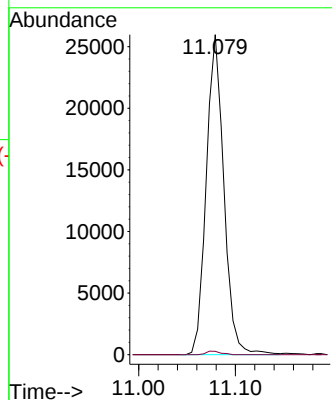
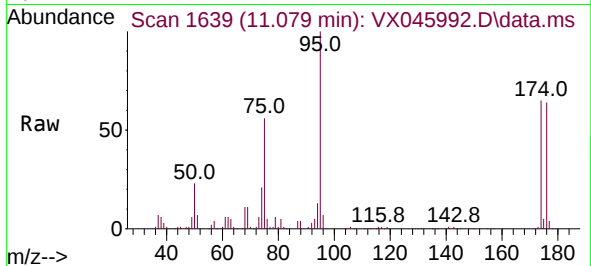




#76
1,2,3-Trichloropropane
Concen: 27.391 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045992.D
Acq: 30 Apr 2025 12:56

Instrument :
MSVOA_X
ClientSampleId :
VNJ-210

Tgt Ion: 75 Resp: 32939
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.960 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045992.D
Acq: 30 Apr 2025 12:56

Tgt Ion: 75 Resp: 32939
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

