

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021524\
 Data File : VD078436.D
 Acq On : 15 Feb 2024 15:23
 Operator : RP/MD
 Sample : P1483-03
 Misc : 5.01G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-205

Quant Time: Feb 16 02:36:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

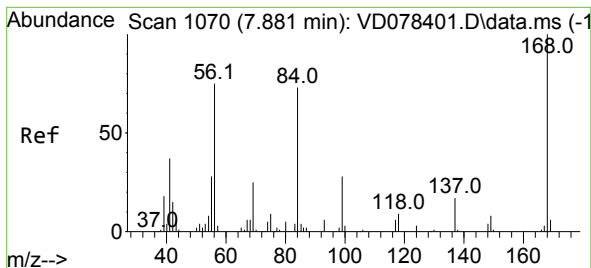
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	30896	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	61719	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	81425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	44088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	16761	50.173	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.340%	
35) Dibromofluoromethane	7.810	113	20262	51.682	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.360%	
50) Toluene-d8	10.275	98	84278	53.738	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.480%	
62) 4-Bromofluorobenzene	12.575	95	41535	91.009	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 182.020%#	
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	148	Below Cal	#	32
20) Methylene Chloride	4.799	84	483	Below Cal	#	55
23) Vinyl Acetate	6.216	43	54	Below Cal	#	63
25) 2-Butanone	7.046	43	55	Below Cal	#	37
31) Cyclohexane	7.869	56	865	1.531	ug/l	# 59
36) 1,1-Dichloropropene	7.887	75	2672	4.387	ug/l	# 39
38) Carbon Tetrachloride	7.875	117	2950	4.891	ug/l	# 11
48) Methyl methacrylate	9.381	41	324	1.545	ug/l	# 16
56) Ethyl methacrylate	10.610	69	352	1.163	ug/l	# 1
59) 2-Hexanone	10.899	43	398	2.524	ug/l	# 51
61) 1,2-Dibromoethane	11.140	107	457	1.488	ug/l	91
74) N-amyl acetate	12.228	43	694	1.239	ug/l	# 31
75) 1,1,2,2-Tetrachloroethane	12.845	83	789	1.344	ug/l	67
76) 1,2,3-Trichloropropane	12.740	75	1291	3.449	ug/l	# 100
77) Bromobenzene	12.775	156	202178	290.589	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.369	75	807	4.476	ug/l	# 46
92) 1,2-Dibromo-3-Chloropr...	14.440	75	119	1.548	ug/l	# 1

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

Quant Time: Feb 16 02:36:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 14 01:16:20 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 10

Delta R.T. -0.006 min

Lab File: VD078436.D

Acq: 15 Feb 2024 15:23

Instrument :

MSVOA_D

ClientSampleId :

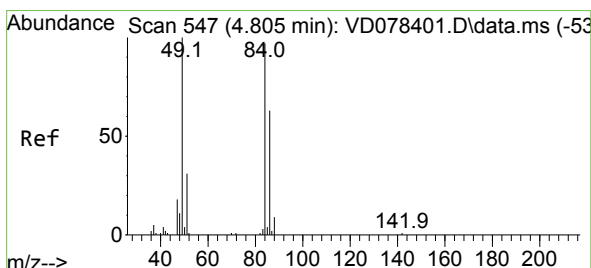
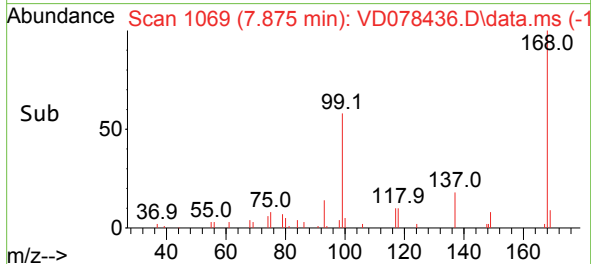
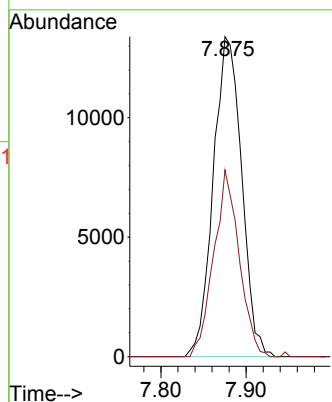
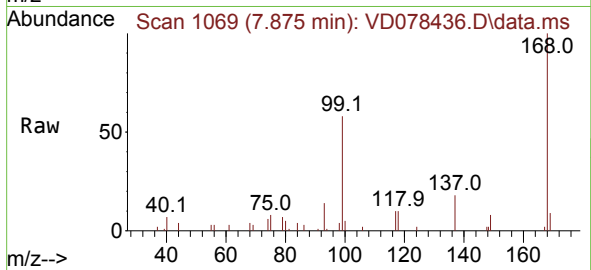
VNJ-205

Tgt Ion:168 Resp: 30896

Ion Ratio Lower Upper

168 100

99 58.3 36.7 55.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.799 min Scan# 546

Delta R.T. -0.006 min

Lab File: VD078436.D

Acq: 15 Feb 2024 15:23

Tgt Ion: 84 Resp: 483

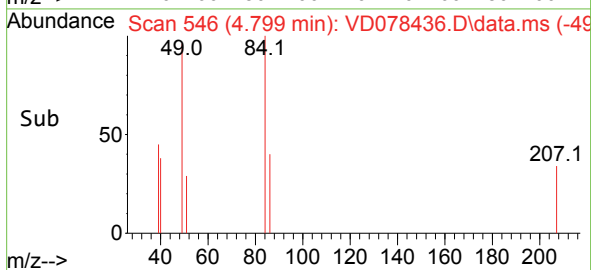
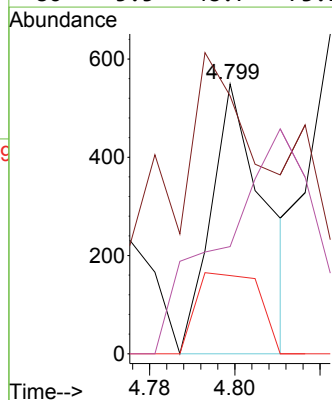
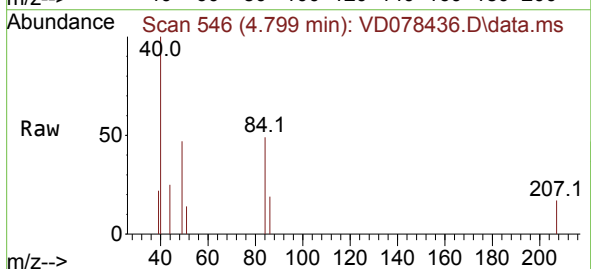
Ion Ratio Lower Upper

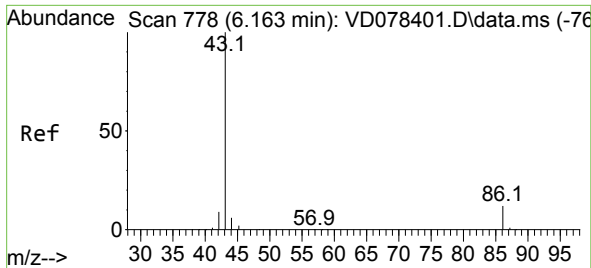
84 100

49 51.2 71.4 107.2#

51 29.0 24.5 36.7

86 5.5 48.7 73.1#

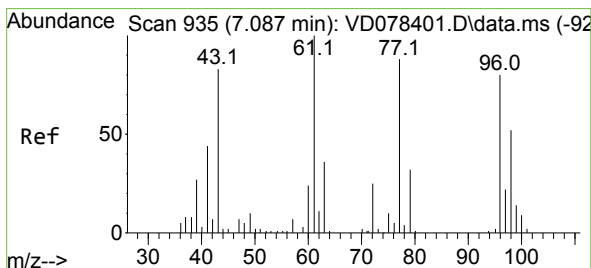
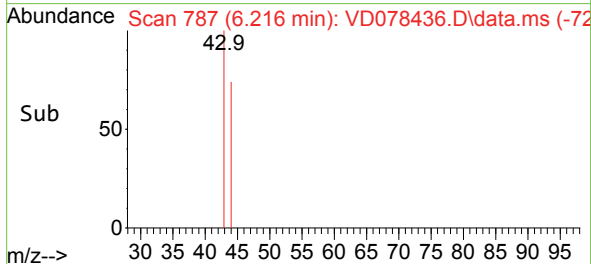
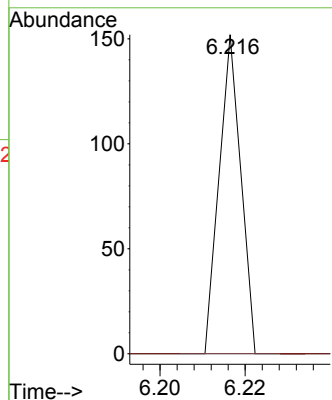
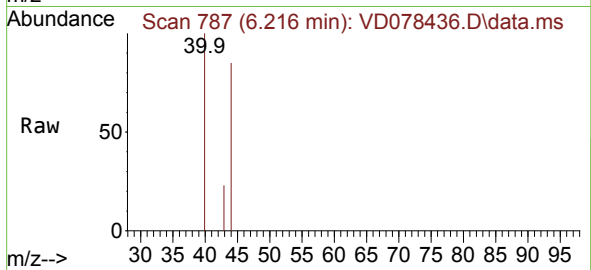




#23
 Vinyl Acetate
 Concen: Below Cal
 RT: 6.216 min Scan# 71
 Delta R.T. 0.053 min
 Lab File: VD078436.D
 Acq: 15 Feb 2024 15:23

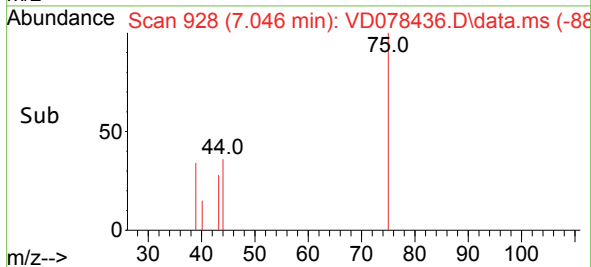
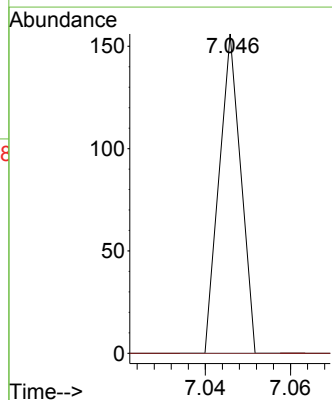
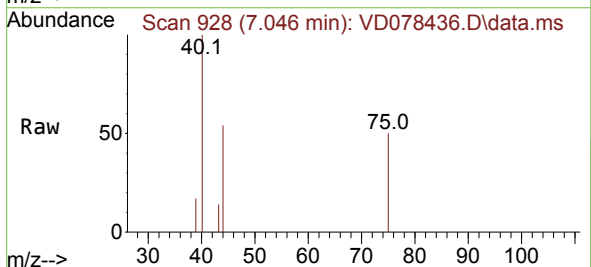
Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-205

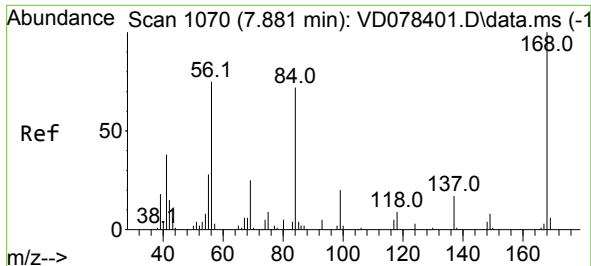
Tgt Ion: 43 Resp: 54
 Ion Ratio Lower Upper
 43 100
 86 0.0 12.5 18.7#



#25
 2-Butanone
 Concen: Below Cal
 RT: 7.046 min Scan# 928
 Delta R.T. -0.041 min
 Lab File: VD078436.D
 Acq: 15 Feb 2024 15:23

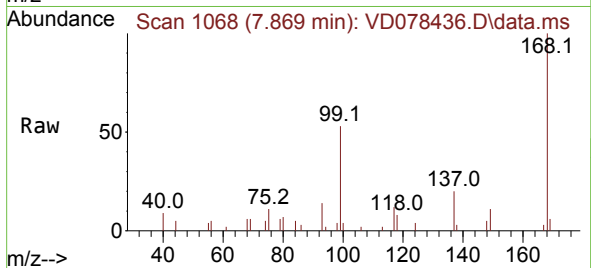
Tgt Ion: 43 Resp: 55
 Ion Ratio Lower Upper
 43 100
 72 0.0 30.7 46.1#



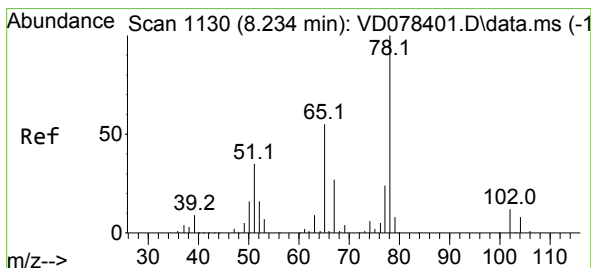
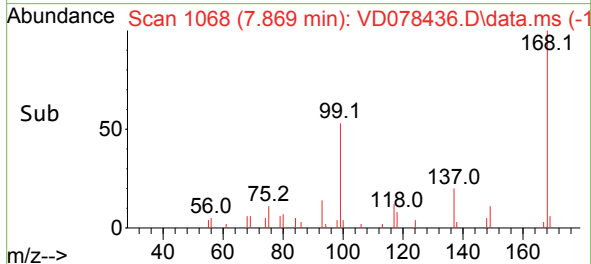
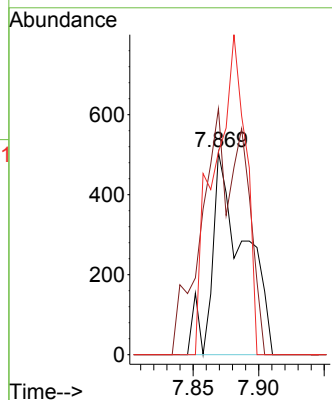


#31
Cyclohexane
Concen: 1.531 ug/l
RT: 7.869 min Scan# 1106
Delta R.T. -0.012 min
Lab File: VD078436.D
Acq: 15 Feb 2024 15:23

Instrument :
MSVOA_D
ClientSampleId :
VNJ-205

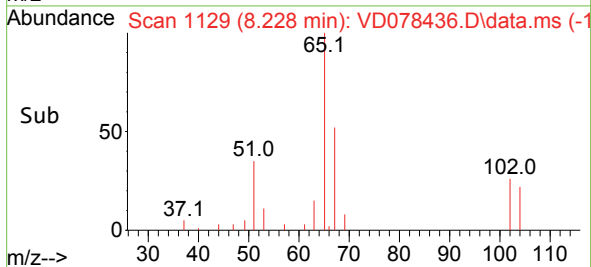
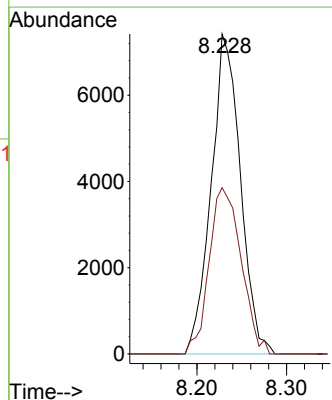
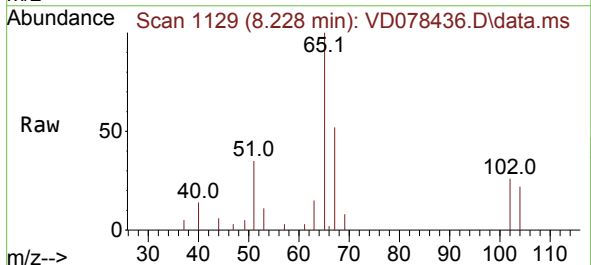


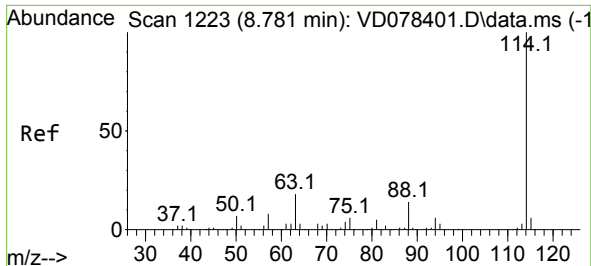
Tgt Ion: 56 Resp: 865
Ion Ratio Lower Upper
56 100
69 121.5 28.6 43.0#
84 100.2 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 50.173 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD078436.D
Acq: 15 Feb 2024 15:23

Tgt Ion: 65 Resp: 16761
Ion Ratio Lower Upper
65 100
67 56.9 0.0 115.0

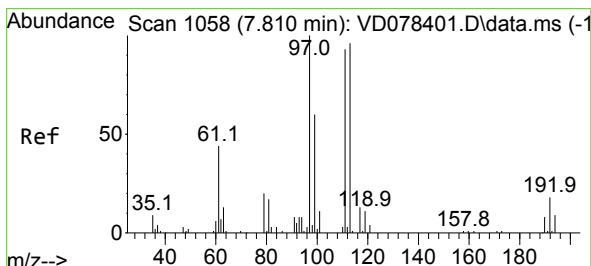
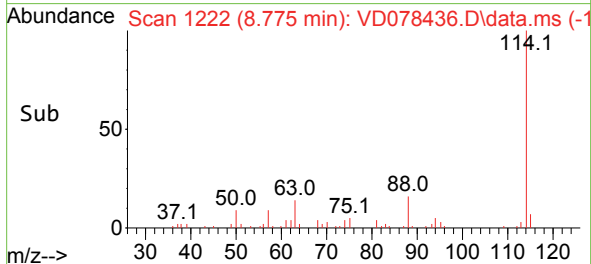
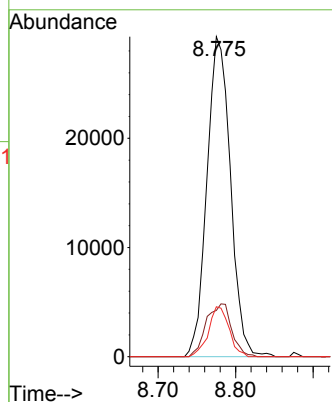
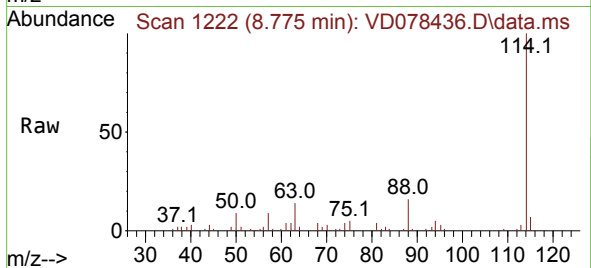




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD078436.D
Acq: 15 Feb 2024 15:23

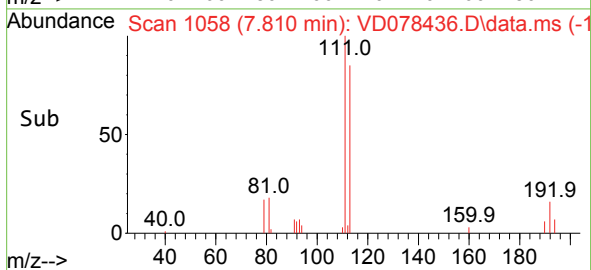
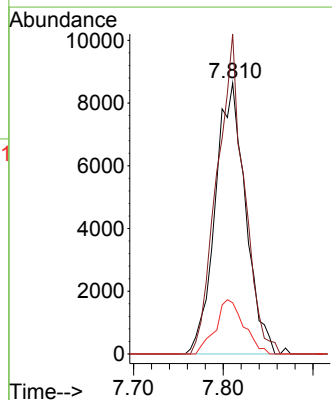
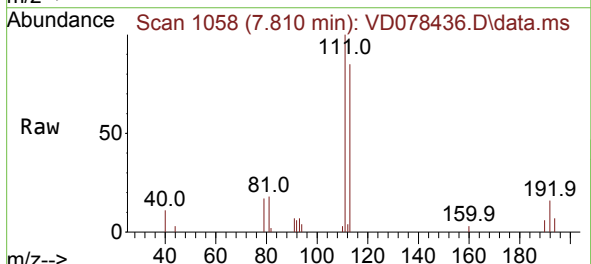
Instrument :
MSVOA_D
ClientSampleId :
VNJ-205

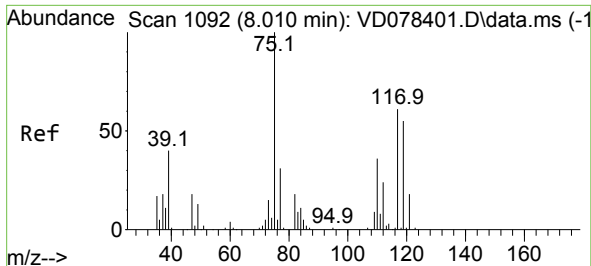
Tgt Ion:114 Resp: 61719
Ion Ratio Lower Upper
114 100
63 14.5 0.0 33.4
88 15.6 0.0 26.2



#35
Dibromofluoromethane
Concen: 51.682 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD078436.D
Acq: 15 Feb 2024 15:23

Tgt Ion:113 Resp: 20262
Ion Ratio Lower Upper
113 100
111 105.6 84.7 127.1
192 18.8 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.387 ug/l

RT: 7.887 min Scan# 1069

Delta R.T. -0.123 min

Lab File: VD078436.D

Acq: 15 Feb 2024 15:23

Instrument :

MSVOA_D

ClientSampleId :

VNJ-205

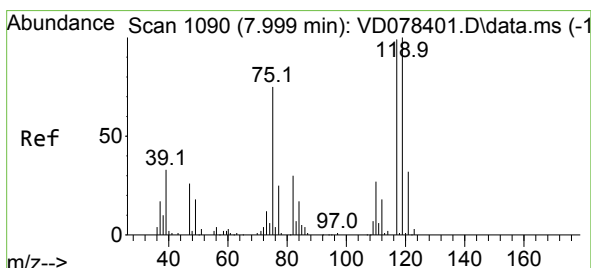
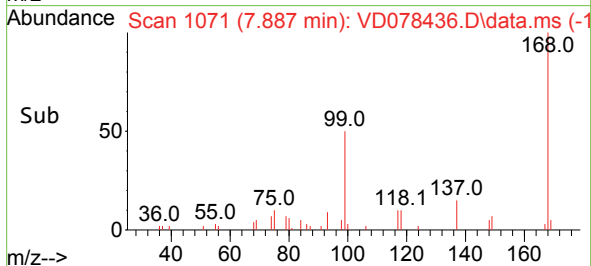
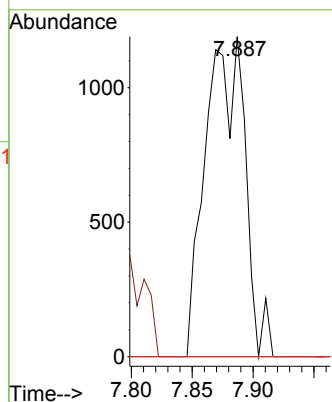
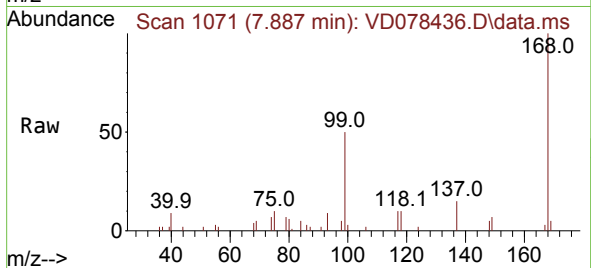
Tgt Ion: 75 Resp: 2672

Ion Ratio Lower Upper

75 100

110 0.0 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.891 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.123 min

Lab File: VD078436.D

Acq: 15 Feb 2024 15:23

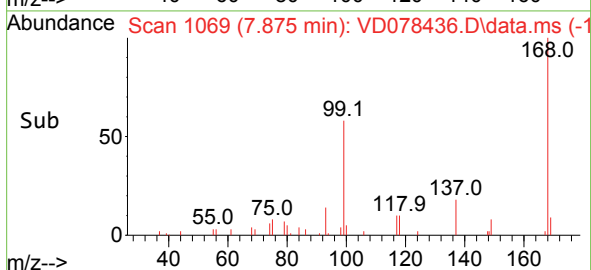
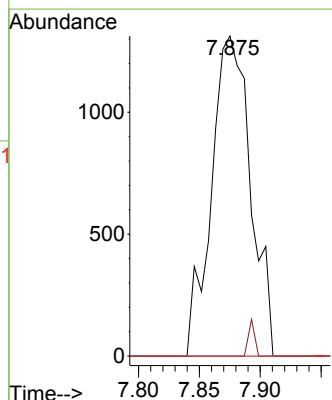
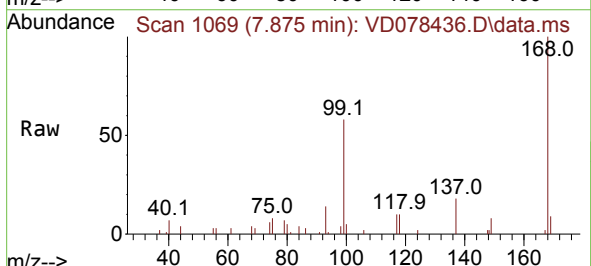
Tgt Ion: 117 Resp: 2950

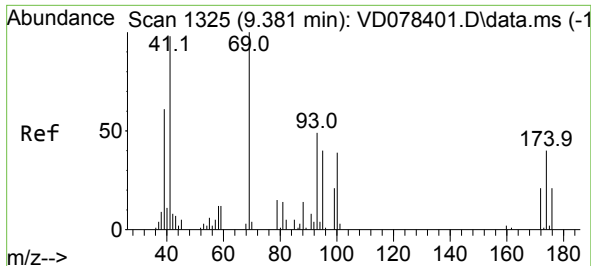
Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

121 0.0 24.2 36.2#

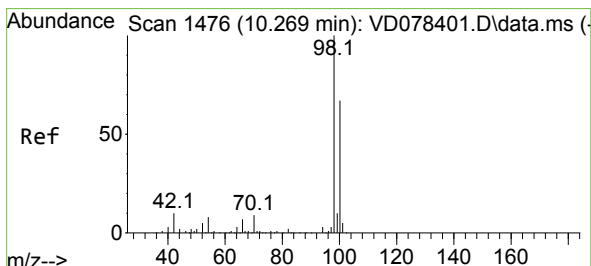
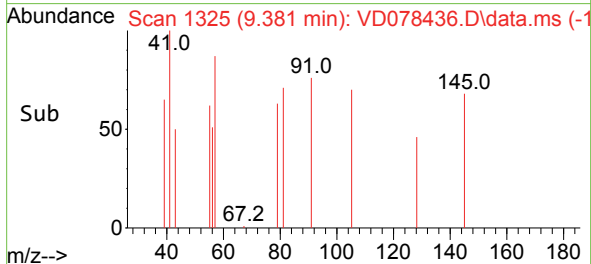
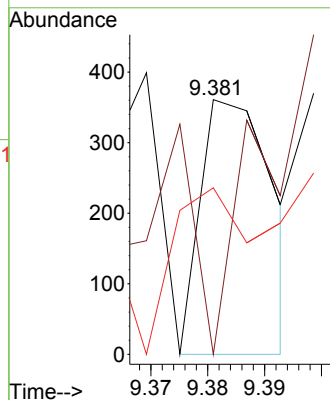
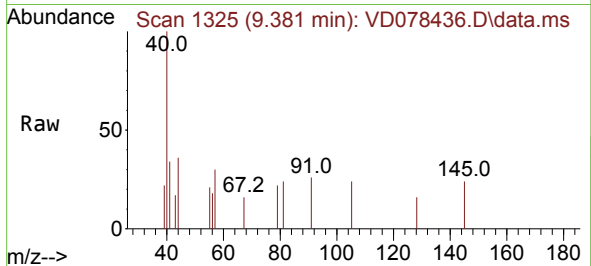




#48
Methyl methacrylate
Concen: 1.545 ug/l
RT: 9.381 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078436.D
Acq: 15 Feb 2024 15:23

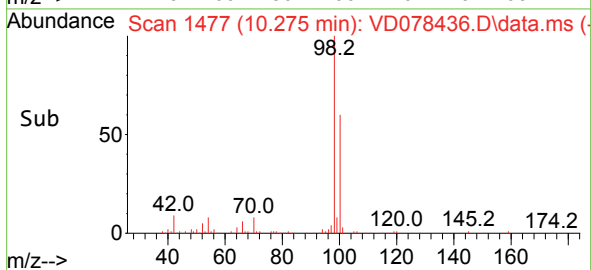
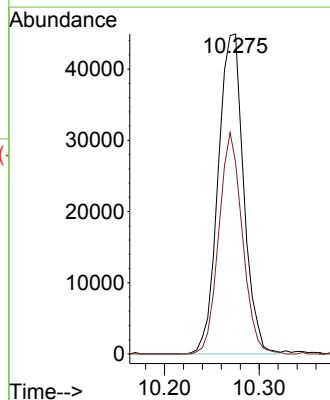
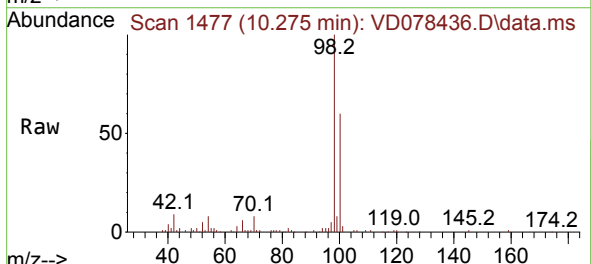
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ClientSampleId :
VNJ-205

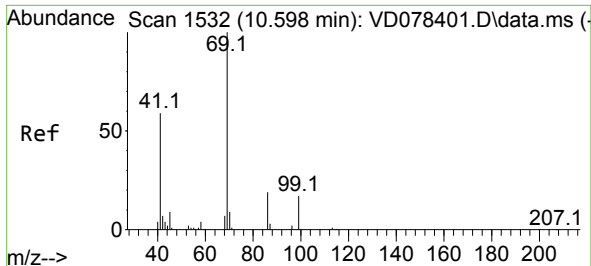
Tgt Ion: 41 Resp: 324
Ion Ratio Lower Upper
41 100
69 0.0 102.2 153.2#
39 65.1 41.4 62.2#



#50
Toluene-d8
Concen: 53.738 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VD078436.D
Acq: 15 Feb 2024 15:23

Tgt Ion: 98 Resp: 84278
Ion Ratio Lower Upper
98 100
100 63.7 50.3 75.5

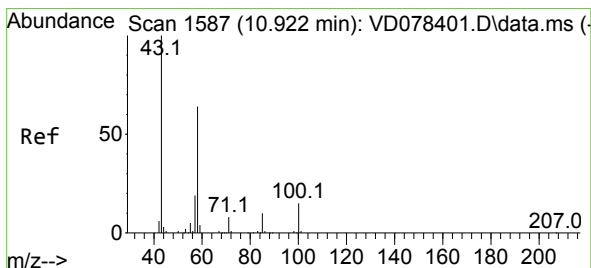
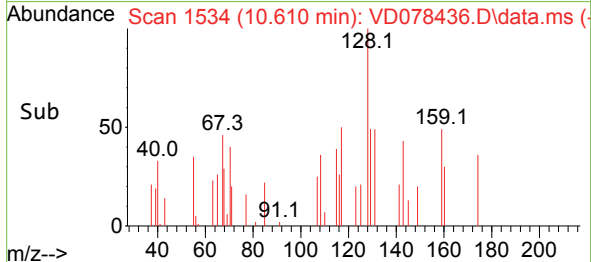
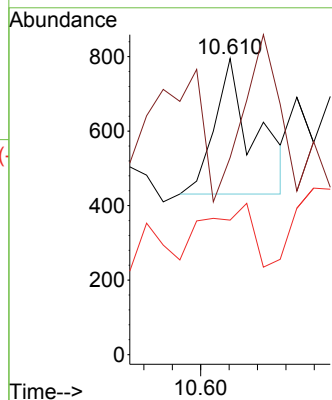
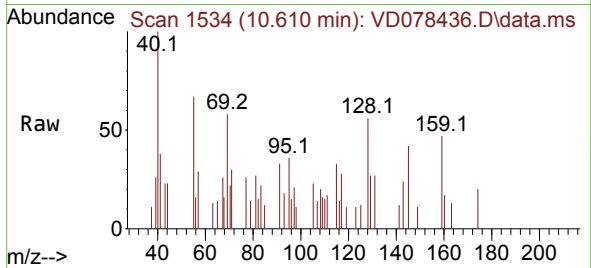




#56
Ethyl methacrylate
Concen: 1.163 ug/l
RT: 10.610 min Scan# 1532
Delta R.T. 0.012 min
Lab File: VD078436.D
Acq: 15 Feb 2024 15:23

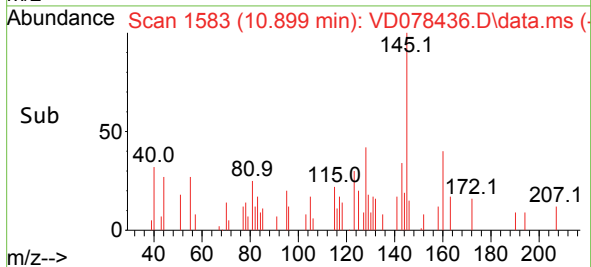
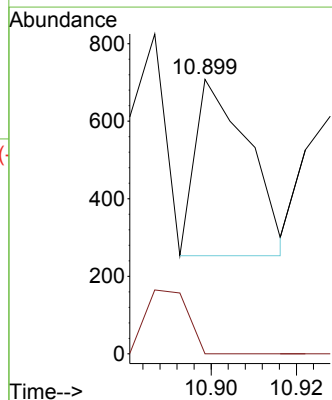
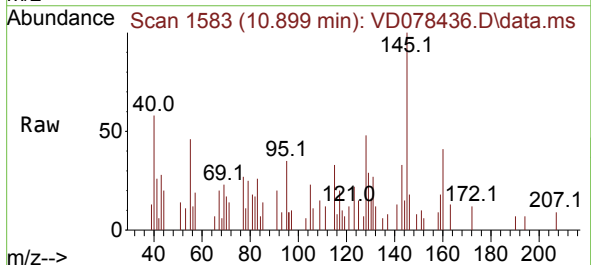
Instrument :
MSVOA_D
ClientSampleId :
VNJ-205

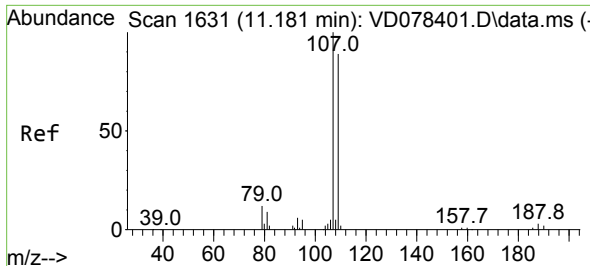
Tgt Ion: 69 Resp: 352
Ion Ratio Lower Upper
69 100
41 133.8 39.1 58.7#
39 55.4 20.0 30.0#



#59
2-Hexanone
Concen: 2.524 ug/l
RT: 10.899 min Scan# 1583
Delta R.T. -0.023 min
Lab File: VD078436.D
Acq: 15 Feb 2024 15:23

Tgt Ion: 43 Resp: 398
Ion Ratio Lower Upper
43 100
58 28.6 34.1 102.2#

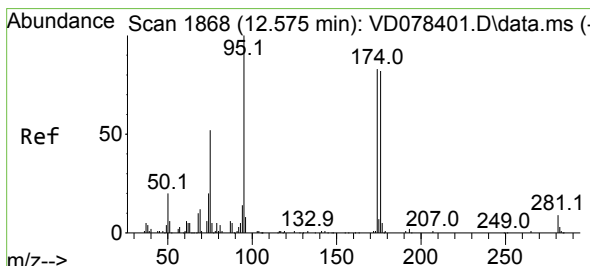
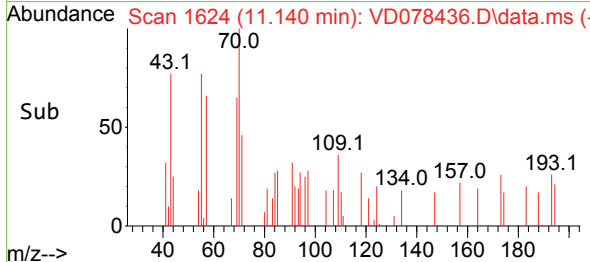
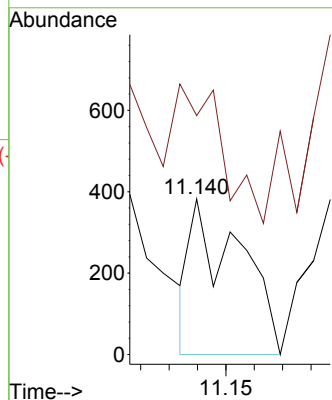
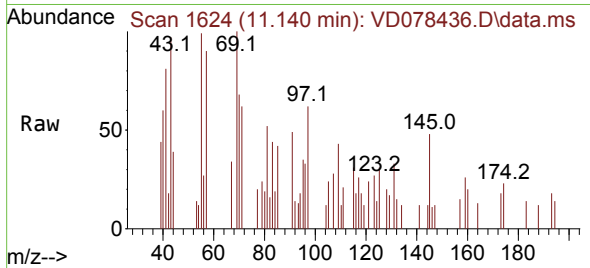




#61
1,2-Dibromoethane
Concen: 1.488 ug/l
RT: 11.140 min Scan# 1631
Delta R.T. -0.041 min
Lab File: VD078436.D
Acq: 15 Feb 2024 15:23

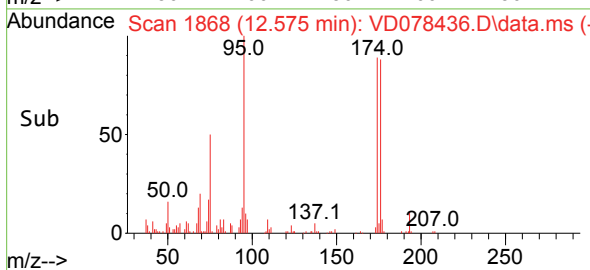
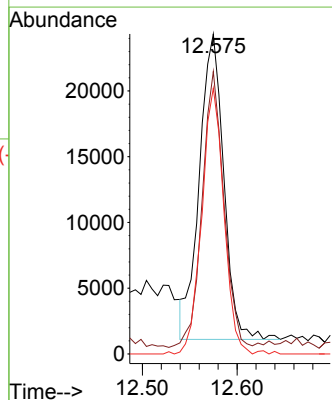
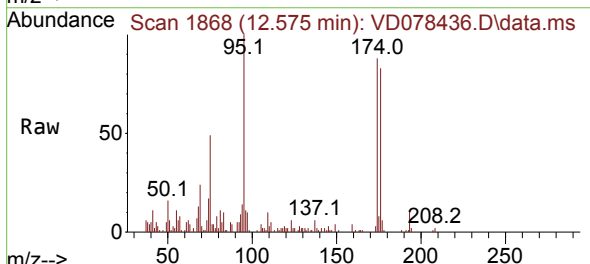
Instrument :
MSVOA_D
ClientSampleId :
VNJ-205

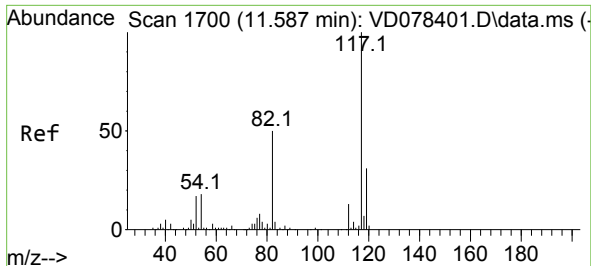
Tgt Ion:107 Resp: 457
Ion Ratio Lower Upper
107 100
109 85.8 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 91.009 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078436.D
Acq: 15 Feb 2024 15:23

Tgt Ion: 95 Resp: 41535
Ion Ratio Lower Upper
95 100
174 80.3 0.0 201.8
176 78.9 0.0 191.8

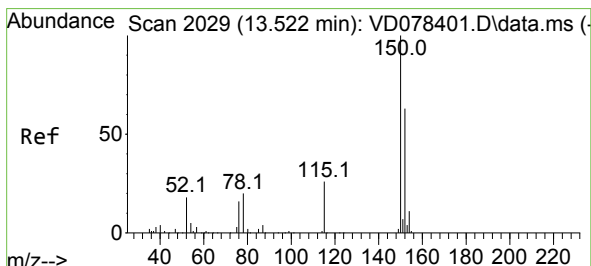
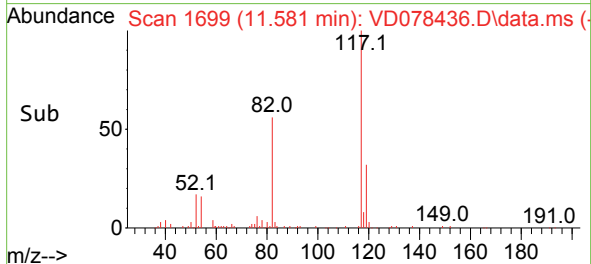
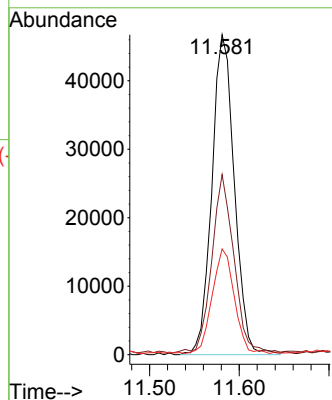
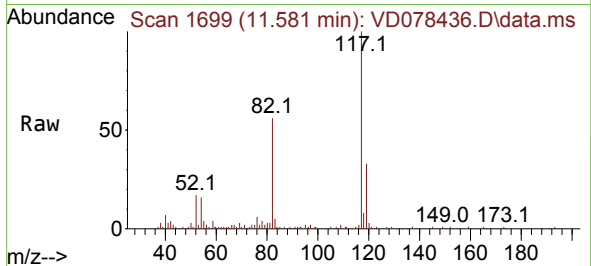




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD078436.D
Acq: 15 Feb 2024 15:23

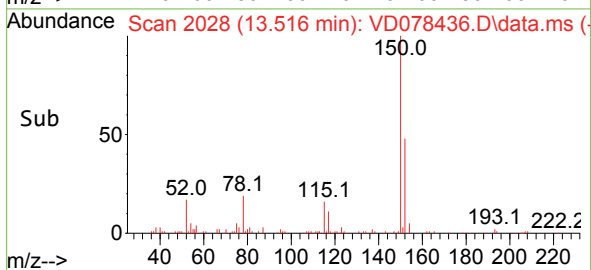
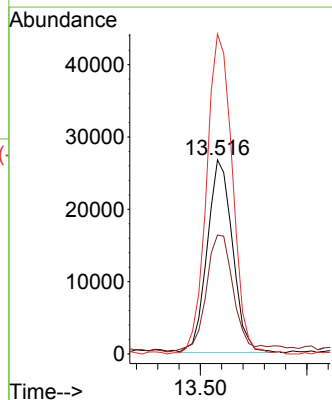
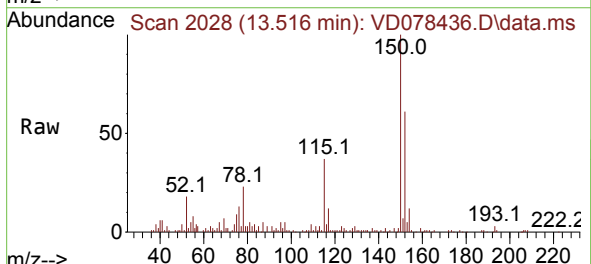
Instrument :
MSVOA_D
ClientSampleId :
VNJ-205

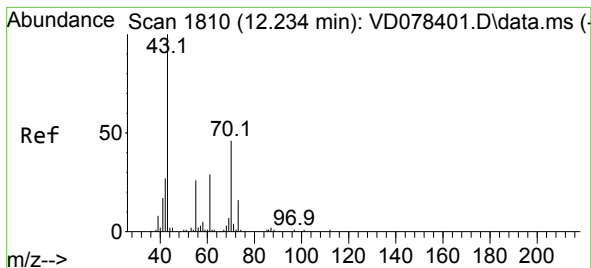
Tgt Ion:117 Resp: 81425
Ion Ratio Lower Upper
117 100
82 55.5 38.3 57.5
119 32.6 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD078436.D
Acq: 15 Feb 2024 15:23

Tgt Ion:152 Resp: 44088
Ion Ratio Lower Upper
152 100
115 68.3 27.1 81.3
150 169.2 0.0 353.6





#74

N-amy1 acetate

Concen: 1.239 ug/l

RT: 12.228 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078436.D

Acq: 15 Feb 2024 15:23

Instrument :

MSVOA_D

ClientSampleId :

VNJ-205

Tgt Ion: 43 Resp: 694

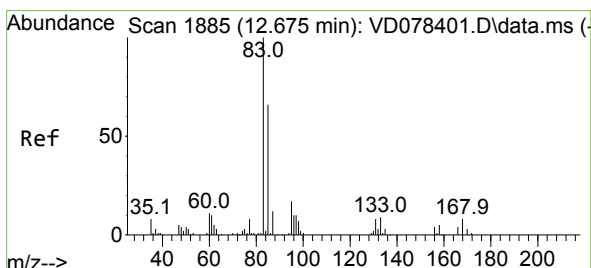
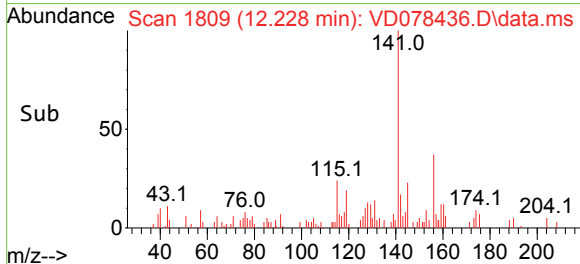
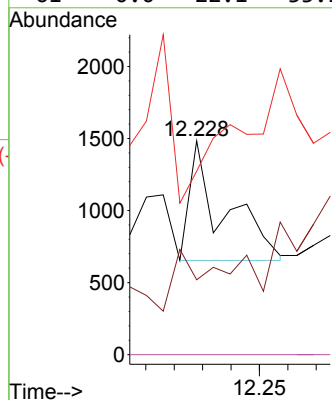
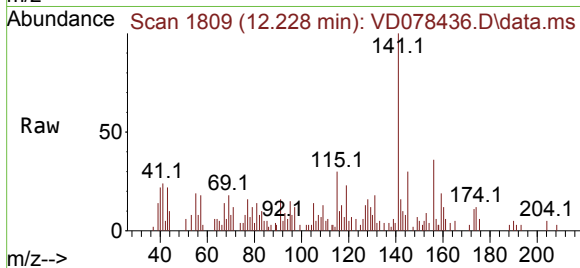
Ion Ratio Lower Upper

43 100

70 117.4 45.0 67.4#

55 0.0 23.8 35.6#

61 0.0 22.1 33.1#



#75

1,1,2,2-Tetrachloroethane

Concen: 1.344 ug/l

RT: 12.845 min Scan# 1914

Delta R.T. 0.171 min

Lab File: VD078436.D

Acq: 15 Feb 2024 15:23

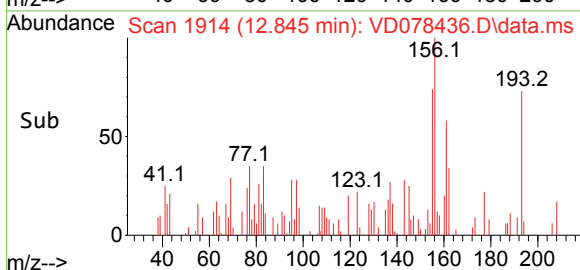
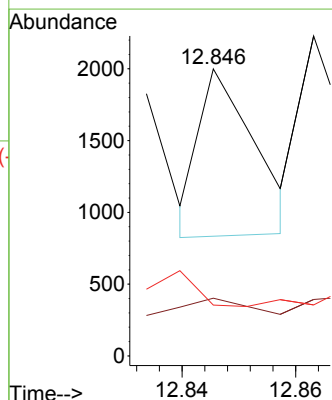
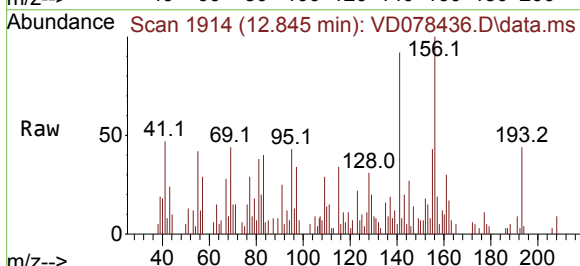
Tgt Ion: 83 Resp: 789

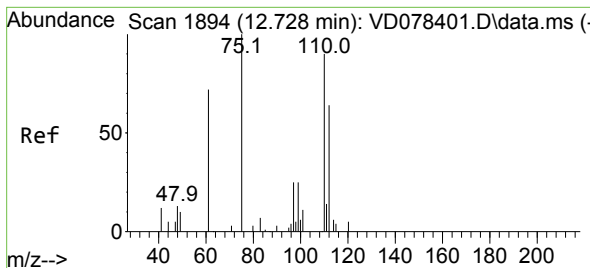
Ion Ratio Lower Upper

83 100

131 11.2 5.1 15.3

85 35.1 32.6 97.8





#76

1,2,3-Trichloropropane

Concen: 3.449 ug/l

RT: 12.740 min Scan# 1896

Delta R.T. 0.012 min

Lab File: VD078436.D

Acq: 15 Feb 2024 15:23

Instrument :

MSVOA_D

ClientSampleId :

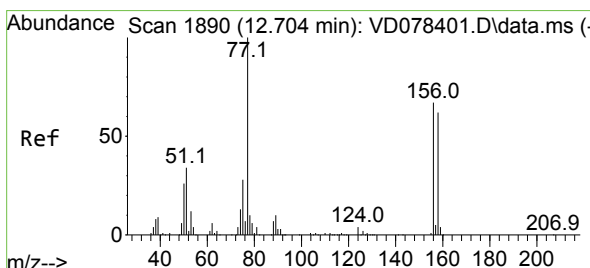
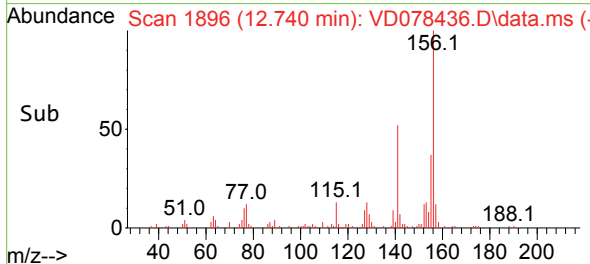
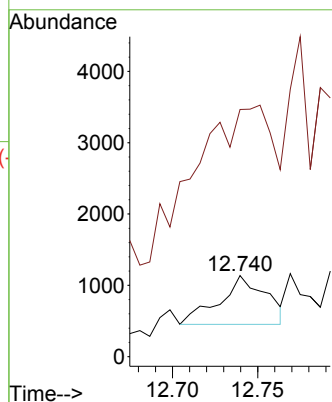
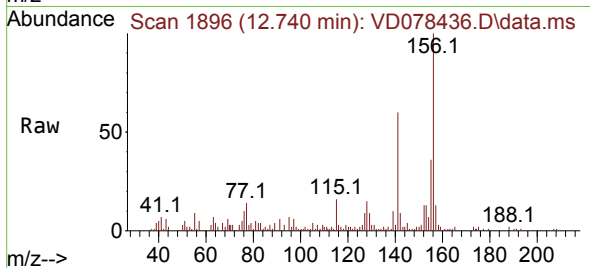
VNJ-205

Tgt Ion: 75 Resp: 1291

Ion Ratio Lower Upper

75 100

77 1073.0 0.0 0.0#



#77

Bromobenzene

Concen: 290.589 ug/l

RT: 12.775 min Scan# 1902

Delta R.T. 0.071 min

Lab File: VD078436.D

Acq: 15 Feb 2024 15:23

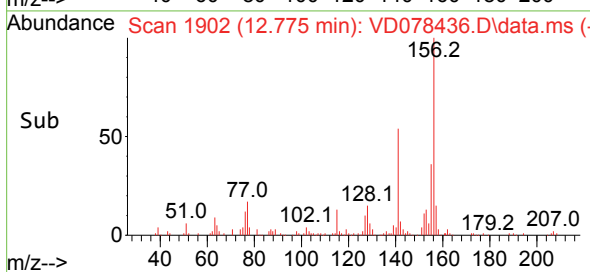
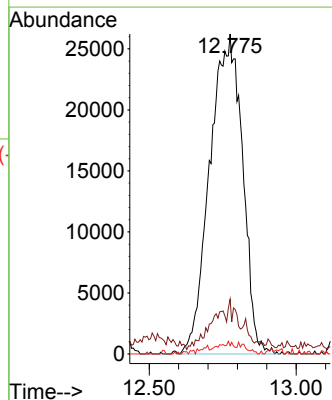
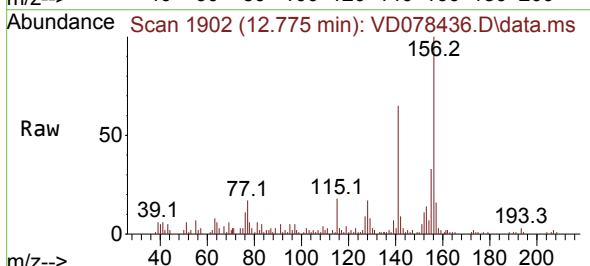
Tgt Ion:156 Resp: 202178

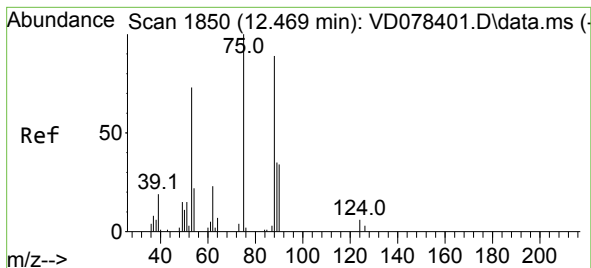
Ion Ratio Lower Upper

156 100

77 0.6 76.8 230.4#

158 0.7 48.6 145.9#

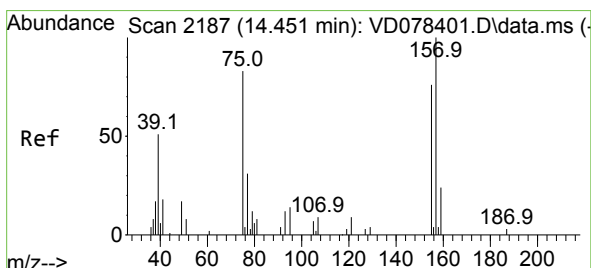
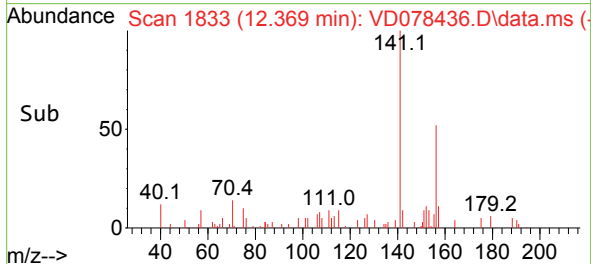
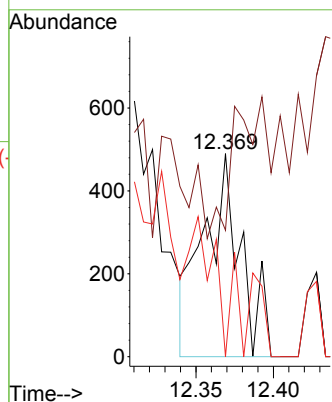
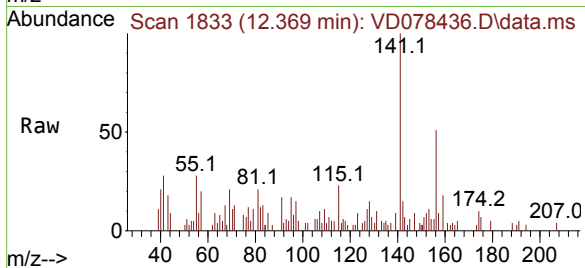




#81
 trans-1,4-Dichloro-2-butene
 Concen: 4.476 ug/l
 RT: 12.369 min Scan# 11
 Delta R.T. -0.100 min
 Lab File: VD078436.D
 Acq: 15 Feb 2024 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-205

Tgt Ion: 75 Resp: 807
 Ion Ratio Lower Upper
 75 100
 53 40.6 63.0 94.4#
 89 0.0 37.9 56.9#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.548 ug/l
 RT: 14.440 min Scan# 2185
 Delta R.T. -0.012 min
 Lab File: VD078436.D
 Acq: 15 Feb 2024 15:23

Tgt Ion: 75 Resp: 119
 Ion Ratio Lower Upper
 75 100
 155 0.0 47.9 143.8#
 157 1044.5 59.9 179.7#

