

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051321\
 Data File : VD069154.D
 Acq On : 13 May 2021 13:47
 Operator : VA/SY
 Sample : M2371-01
 Misc : 5.80G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-206

Quant Time: May 14 01:21:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

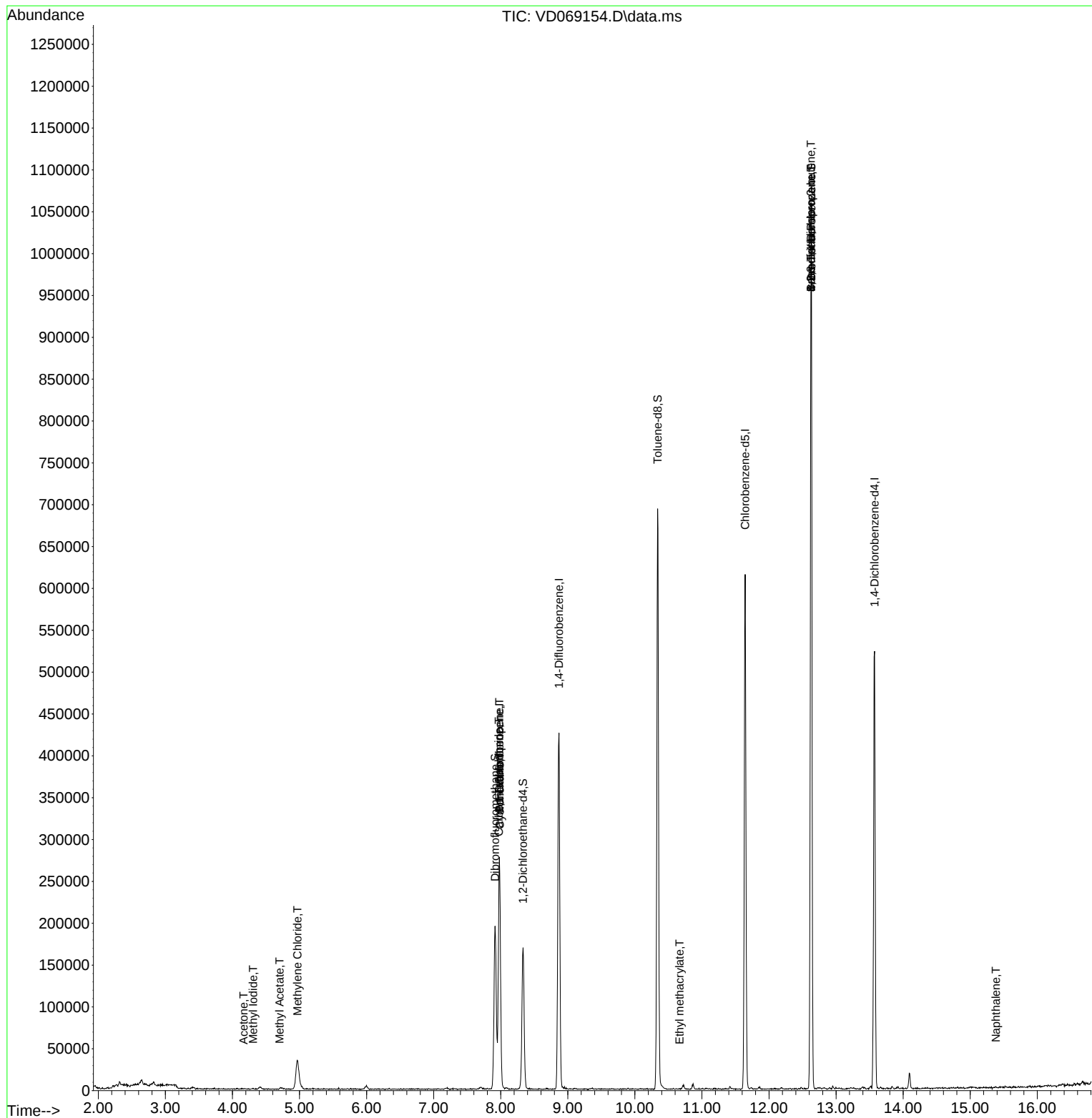
Internal Standards						
1) Pentafluorobenzene	7.979	168	204927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	385987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	364286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	143140	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	135470	65.94	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 131.88%			
35) Dibromofluoromethane	7.914	113	140325	55.86	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.72%			
50) Toluene-d8	10.338	98	480916	52.11	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.22%			
62) 4-Bromofluorobenzene	12.632	95	156797	52.80	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.60%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.309	142	402	1.09	ug/l #	38
11) Tert butyl alcohol	5.220	59	874	Below Cal	#	73
16) Acetone	4.167	43	529	1.68	ug/l #	41
18) Methyl Acetate	4.703	43	780	1.02	ug/l #	45
20) Methylene Chloride	4.967	84	29260	2.87	ug/l #	92
31) Cyclohexane	7.985	56	5015	1.65	ug/l #	40
36) 1,1-Dichloropropene	7.979	75	16653	4.44	ug/l #	48
38) Carbon Tetrachloride	7.973	117	20847	4.97	ug/l #	19
56) Ethyl methacrylate	10.667	69	61	1.34	ug/l #	32
71) Bromoform	12.626	173	1689	1.14	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	85617	79.57	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	85617	160.73	ug/l #	15
95) Naphthalene	15.385	128	495	2.15	ug/l #	69

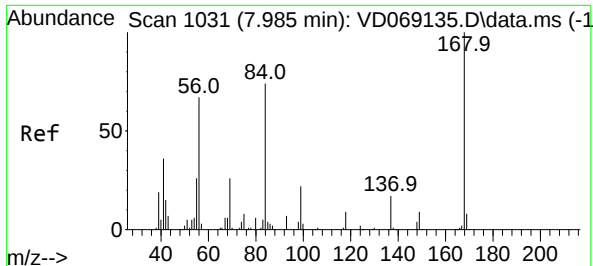
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
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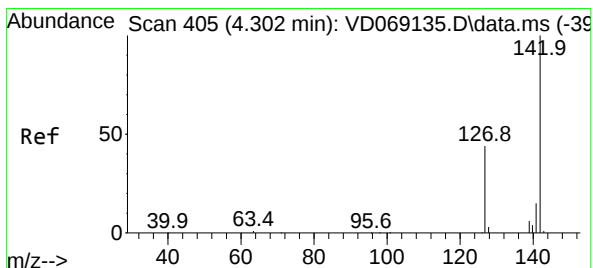
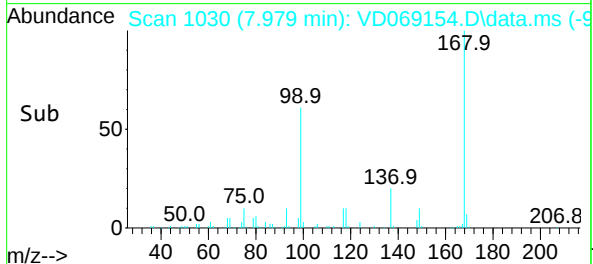
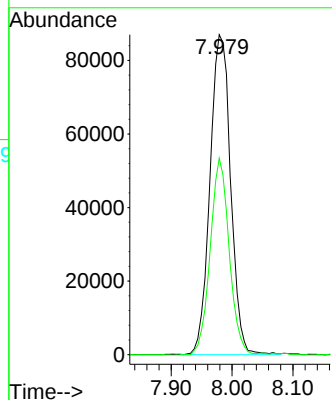
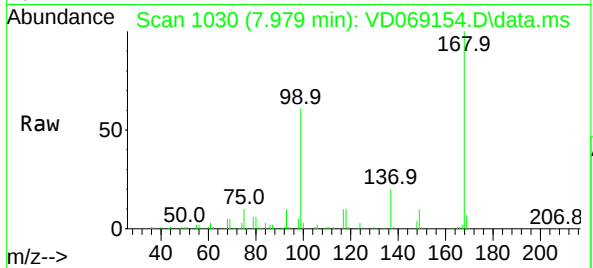




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069154.D
Acq: 13 May 2021 13:47

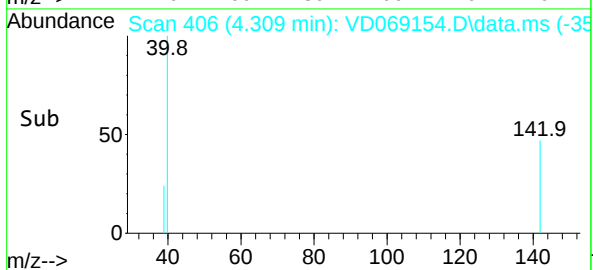
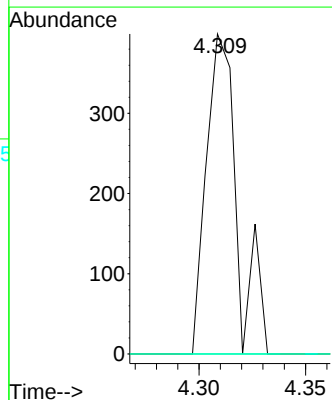
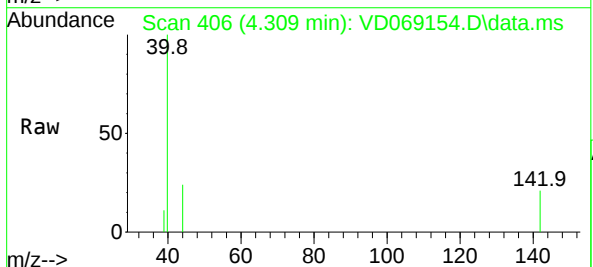
Instrument :
MSVOA_D
ClientSampleId :
VNJ-206

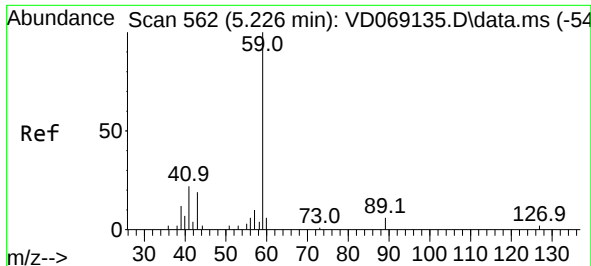
Tgt Ion:168 Resp: 204927
Ion Ratio Lower Upper
168 100
99 61.1 47.2 70.8



#10
Methyl Iodide
Concen: 1.09 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.007 min
Lab File: VD069154.D
Acq: 13 May 2021 13:47

Tgt Ion:142 Resp: 402
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 12.2 18.4#

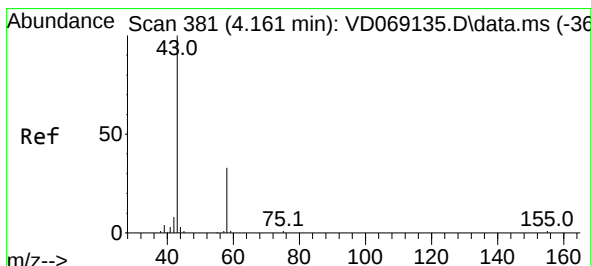
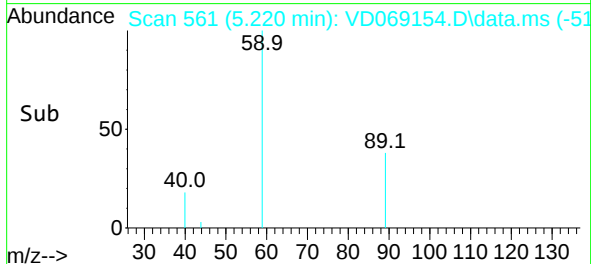
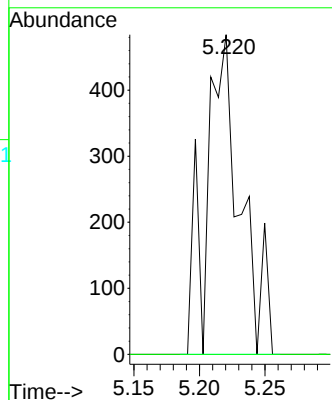
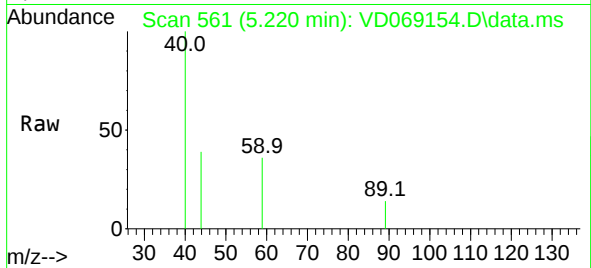




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD069154.D
Acq: 13 May 2021 13:47

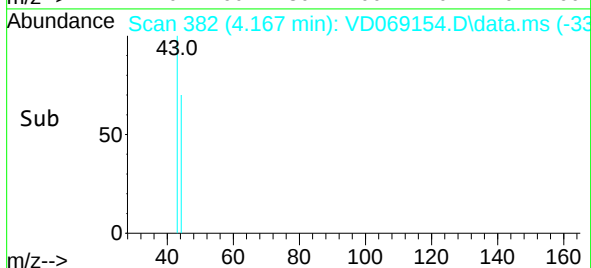
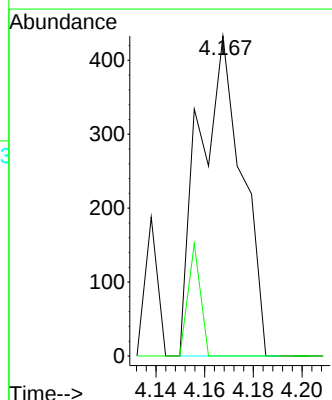
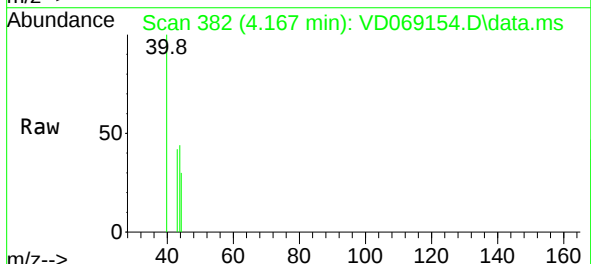
Instrument :
MSVOA_D
ClientSampleId :
VNJ-206

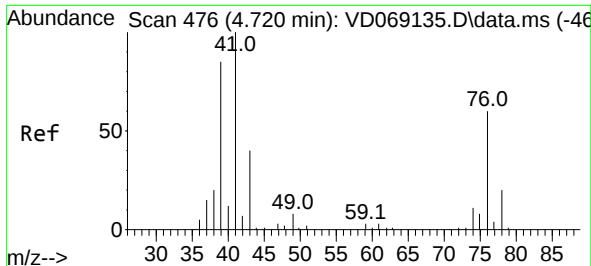
Tgt Ion: 59 Resp: 874
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 1.68 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069154.D
Acq: 13 May 2021 13:47

Tgt Ion: 43 Resp: 529
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#

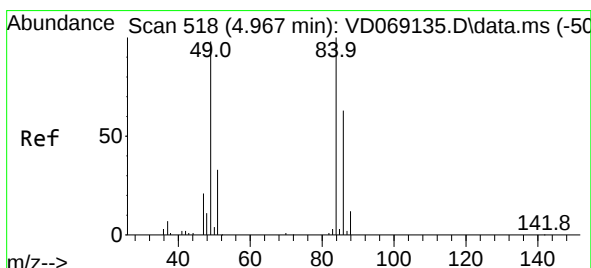
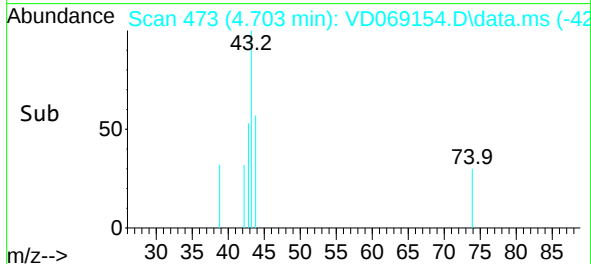
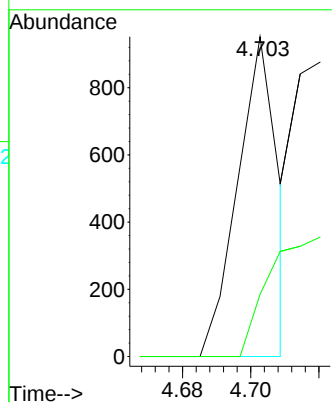
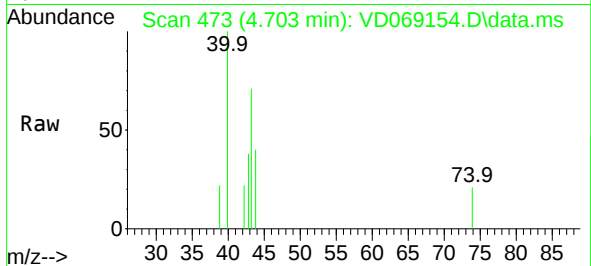




#18
Methyl Acetate
Concen: 1.02 ug/l
RT: 4.703 min Scan# 473
Delta R.T. -0.017 min
Lab File: VD069154.D
Acq: 13 May 2021 13:47

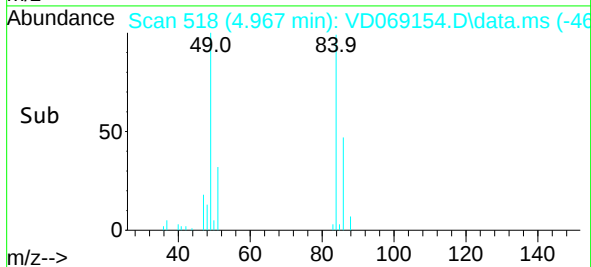
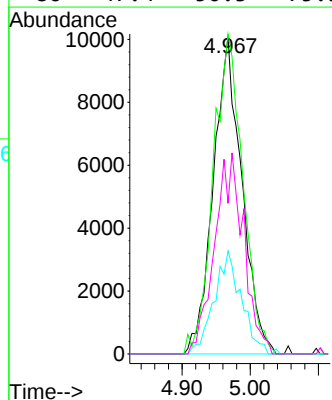
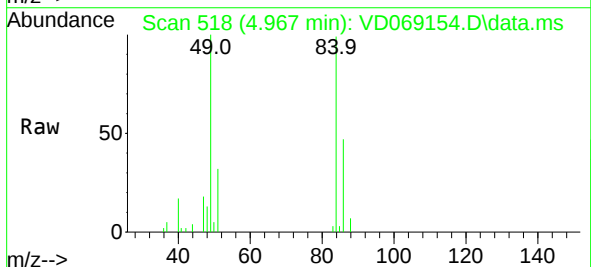
Instrument :
MSVOA_D
ClientSampled :
VNJ-206

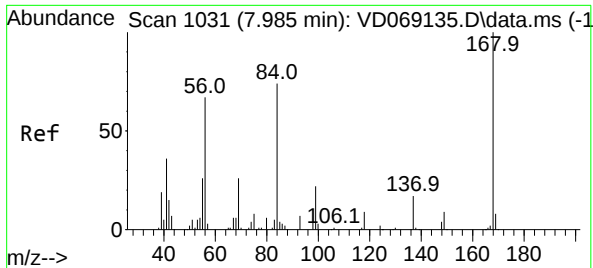
Tgt Ion: 43 Resp: 780
Ion Ratio Lower Upper
43 100
74 0.0 23.8 35.6#



#20
Methylene Chloride
Concen: 2.87 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD069154.D
Acq: 13 May 2021 13:47

Tgt Ion: 84 Resp: 29260
Ion Ratio Lower Upper
84 100
49 100.8 78.6 117.8
51 32.4 26.7 40.1
86 47.4 50.3 75.5#

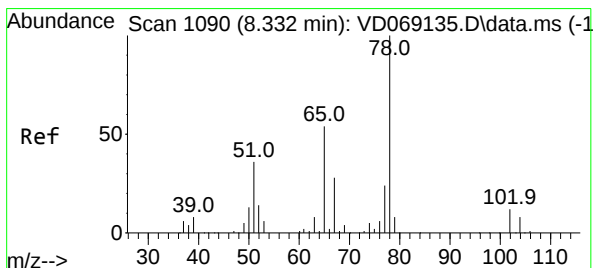
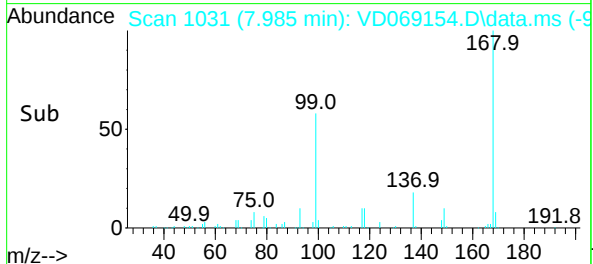
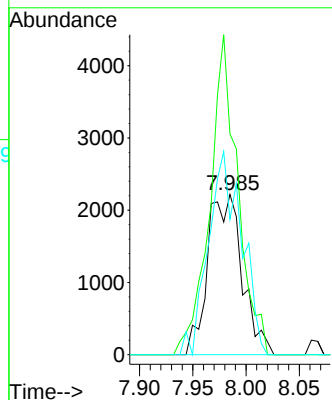
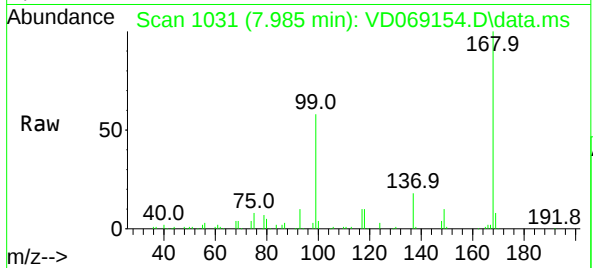




#31
Cyclohexane
Concen: 1.65 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD069154.D
Acq: 13 May 2021 13:47

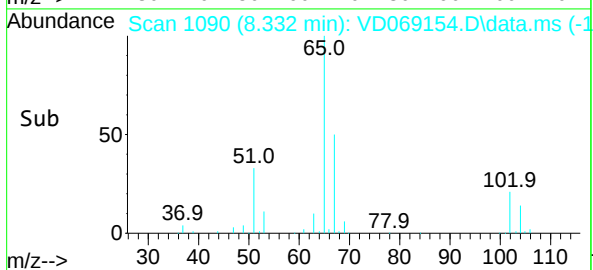
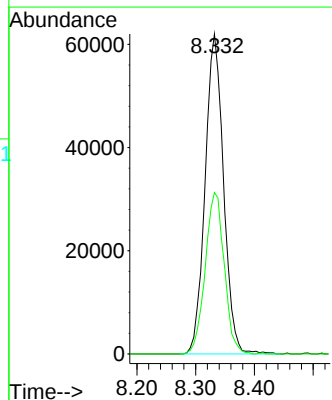
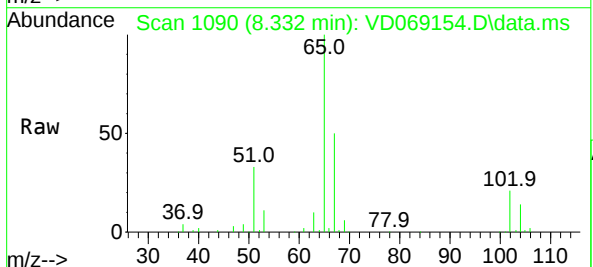
Instrument :
MSVOA_D
ClientSampleId :
VNJ-206

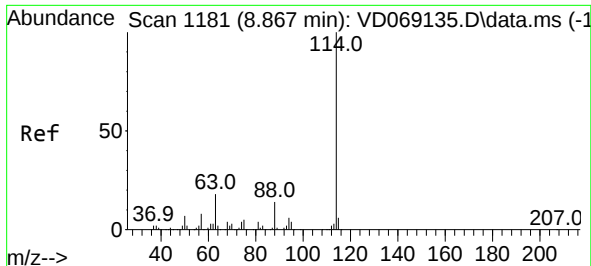
Tgt Ion: 56 Resp: 5015
Ion Ratio Lower Upper
56 100
69 137.8 30.6 46.0#
84 84.7 88.0 132.0#



#33
1,2-Dichloroethane-d4
Concen: 65.94 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069154.D
Acq: 13 May 2021 13:47

Tgt Ion: 65 Resp: 135470
Ion Ratio Lower Upper
65 100
67 52.0 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD069154.D

Acq: 13 May 2021 13:47

Tgt Ion:114 Resp: 385987

Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

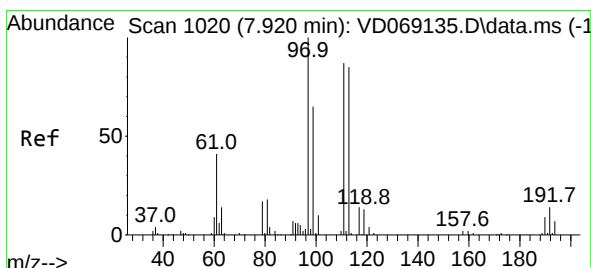
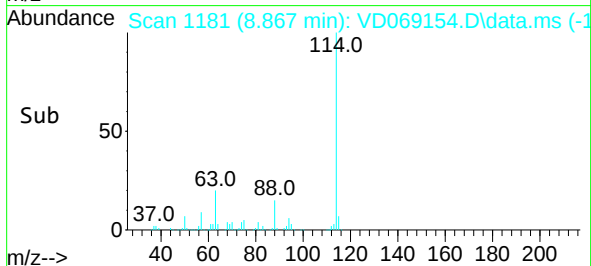
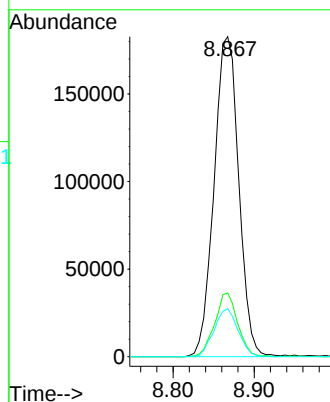
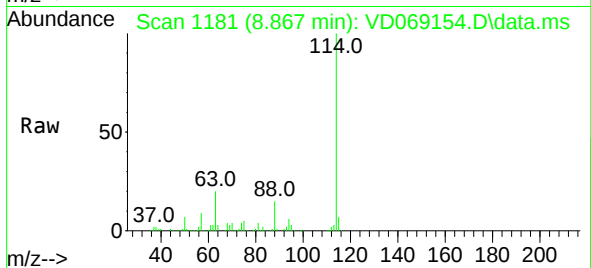
88 15.0 0.0 28.2

Instrument :

MSVOA_D

ClientSampleId :

VNJ-206



#35

Dibromofluoromethane

Concen: 55.86 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD069154.D

Acq: 13 May 2021 13:47

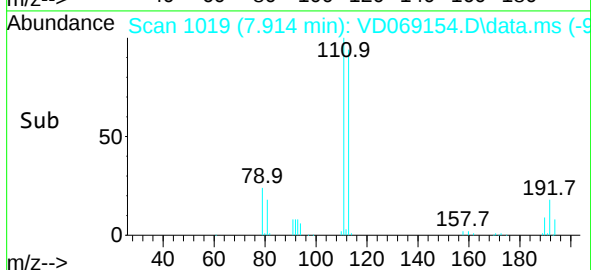
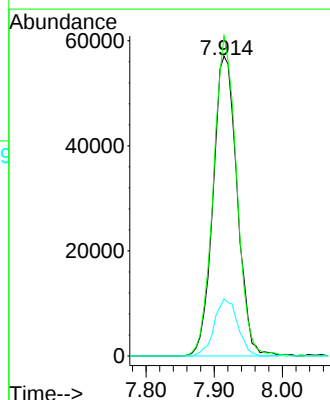
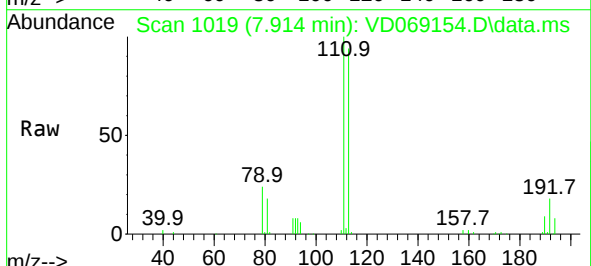
Tgt Ion:113 Resp: 140325

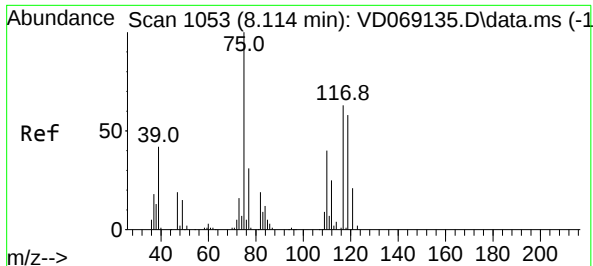
Ion Ratio Lower Upper

113 100

111 103.3 80.6 120.8

192 18.5 14.8 22.2

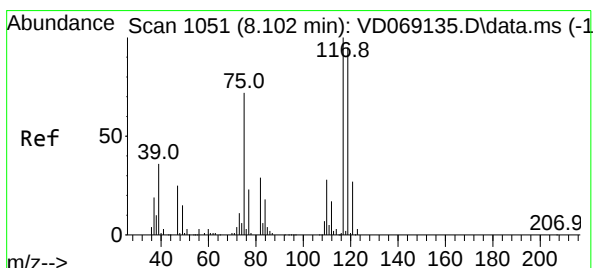
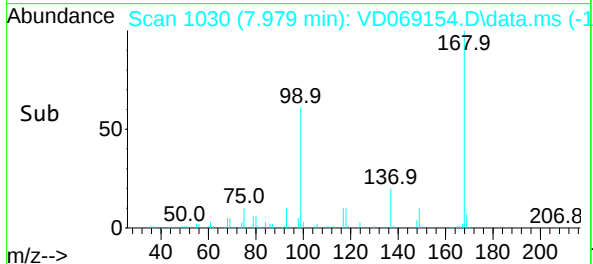
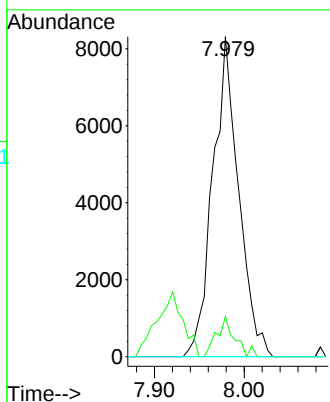
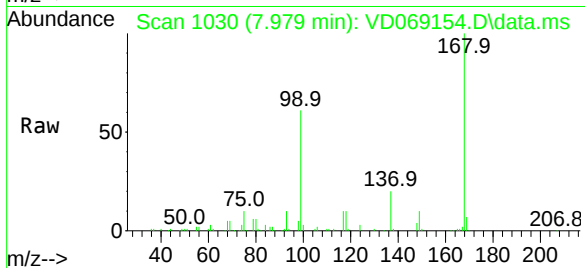




#36
1,1-Dichloropropene
Concen: 4.44 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD069154.D
Acq: 13 May 2021 13:47

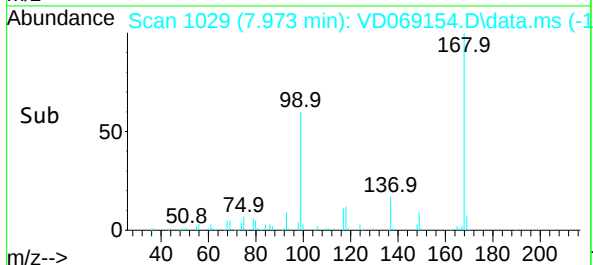
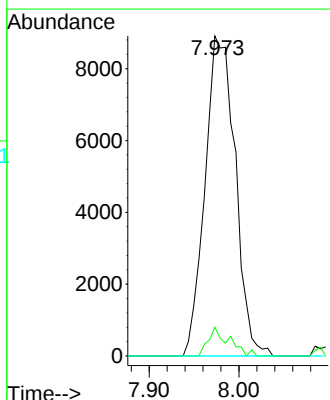
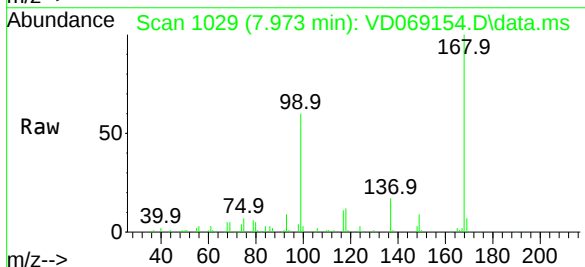
Instrument :
MSVOA_D
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VNJ-206

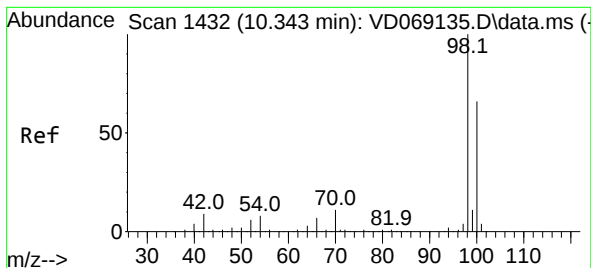
Tgt Ion: 75 Resp: 16653
Ion Ratio Lower Upper
75 100
110 8.8 18.8 56.4#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 4.97 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.129 min
Lab File: VD069154.D
Acq: 13 May 2021 13:47

Tgt Ion: 117 Resp: 20847
Ion Ratio Lower Upper
117 100
119 9.0 76.2 114.2#
121 0.0 21.9 32.9#

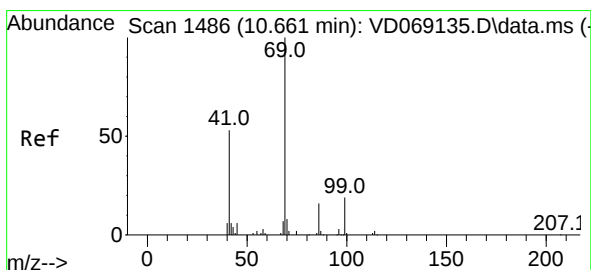
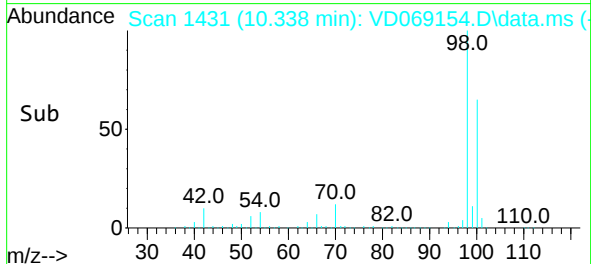
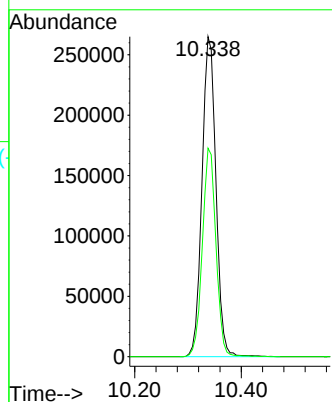
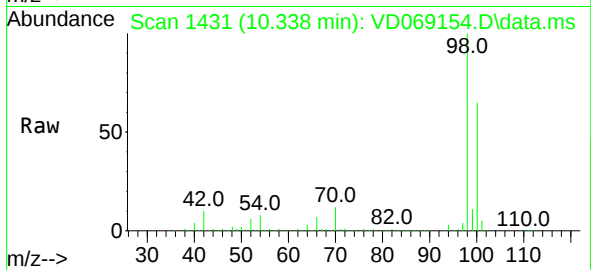




#50
Toluene-d8
Concen: 52.11 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD069154.D
Acq: 13 May 2021 13:47

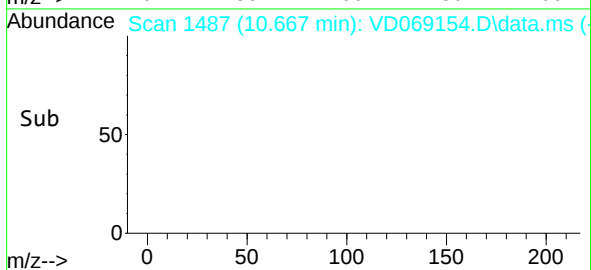
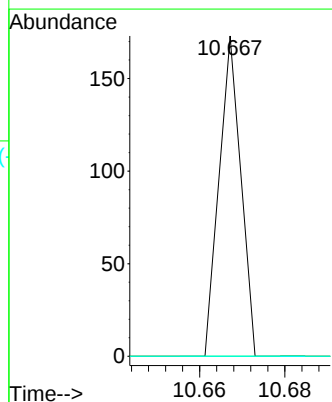
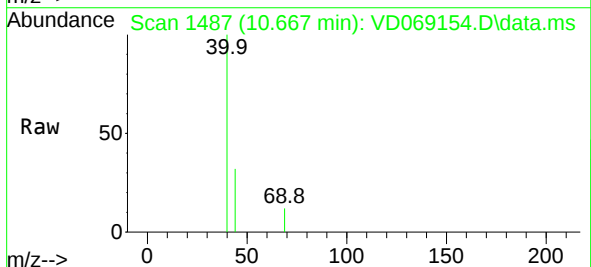
Instrument :
MSVOA_D
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VNJ-206

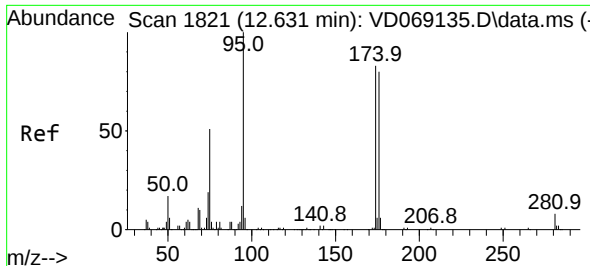
Tgt Ion: 98 Resp: 480916
Ion Ratio Lower Upper
98 100
100 63.6 51.8 77.8



#56
Ethyl methacrylate
Concen: 1.34 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VD069154.D
Acq: 13 May 2021 13:47

Tgt Ion: 69 Resp: 61
Ion Ratio Lower Upper
69 100
41 0.0 42.2 63.2#
39 0.0 26.3 39.5#

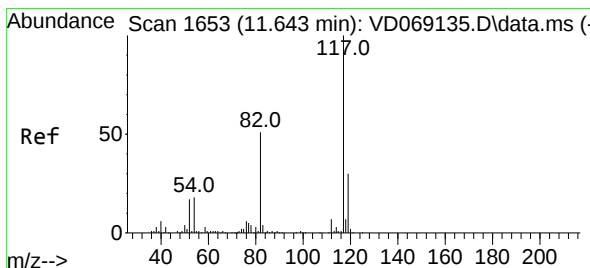
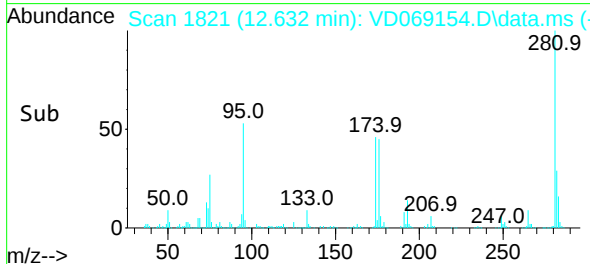
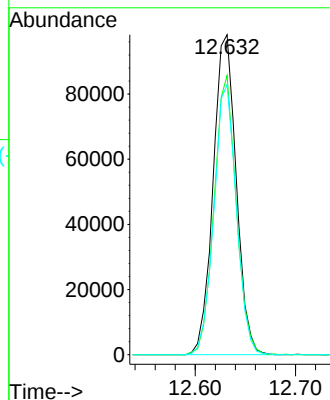
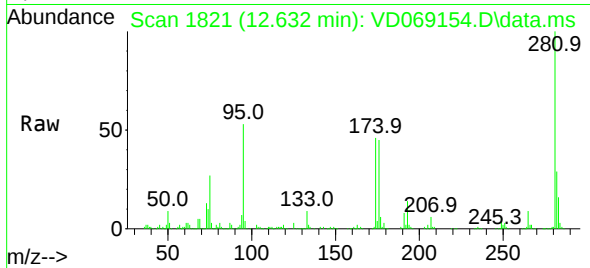




#62
4-Bromofluorobenzene
Concen: 52.80 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD069154.D
Acq: 13 May 2021 13:47

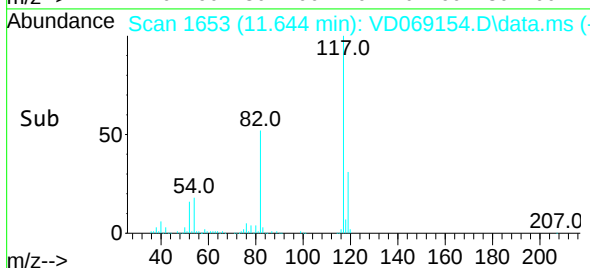
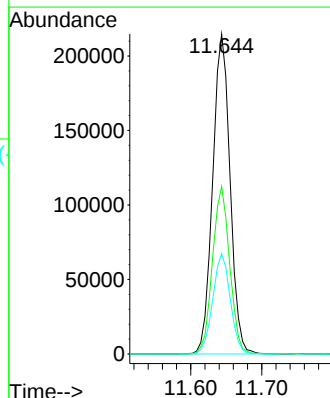
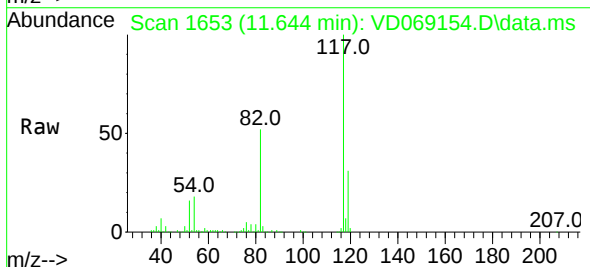
Instrument :
MSVOA_D
ClientSampleId :
VNJ-206

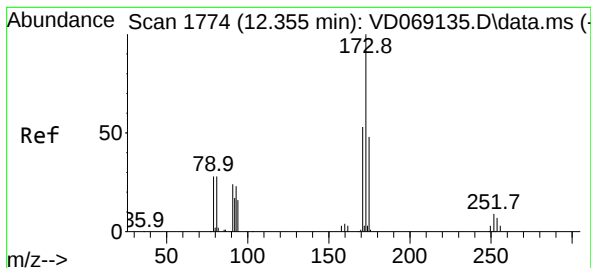
Tgt Ion: 95 Resp: 156797
Ion Ratio Lower Upper
95 100
174 83.8 0.0 171.8
176 82.0 0.0 165.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069154.D
Acq: 13 May 2021 13:47

Tgt Ion: 117 Resp: 364286
Ion Ratio Lower Upper
117 100
82 52.3 40.5 60.7
119 31.3 24.2 36.4





#71

Bromoform

Concen: 1.14 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.271 min

Lab File: VD069154.D

Acq: 13 May 2021 13:47

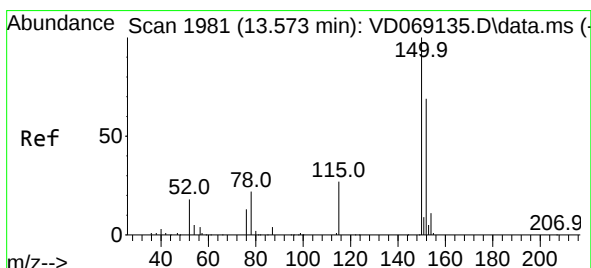
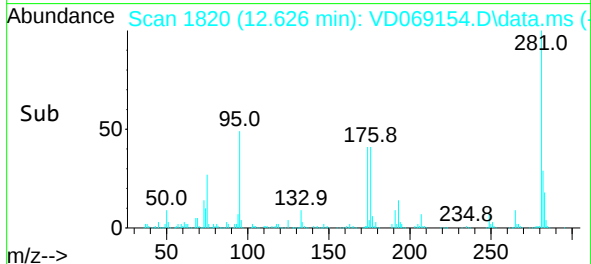
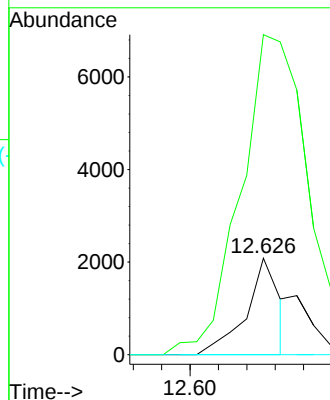
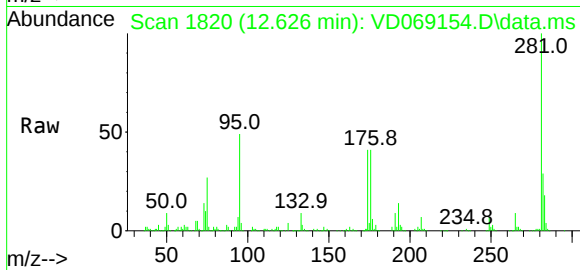
Tgt Ion:173 Resp: 1689

Ion Ratio Lower Upper

173 100

175 452.1 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.573 min Scan# 1981

Delta R.T. 0.000 min

Lab File: VD069154.D

Acq: 13 May 2021 13:47

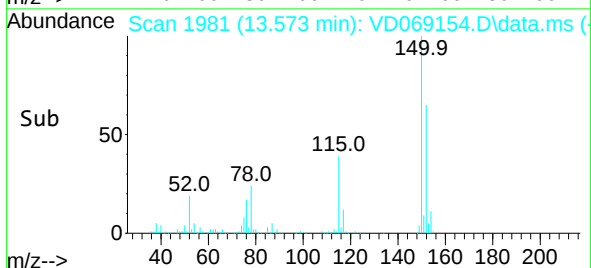
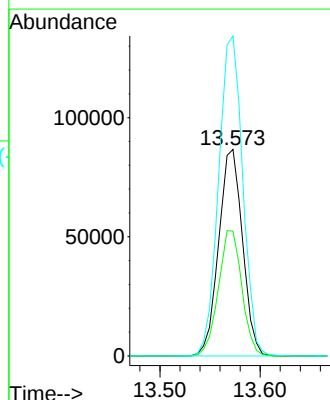
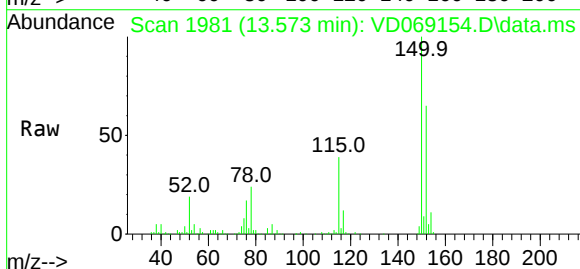
Tgt Ion:152 Resp: 143140

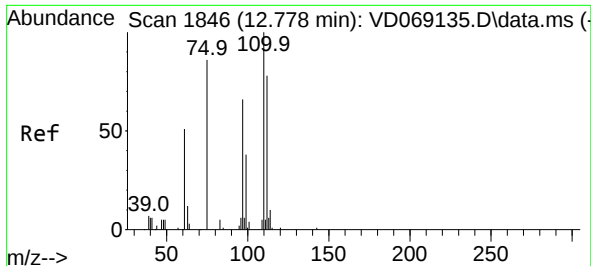
Ion Ratio Lower Upper

152 100

115 59.7 29.9 89.8

150 157.0 0.0 350.2

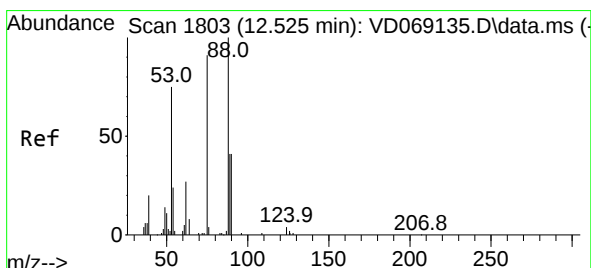
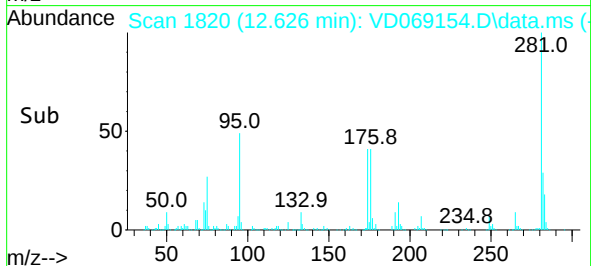
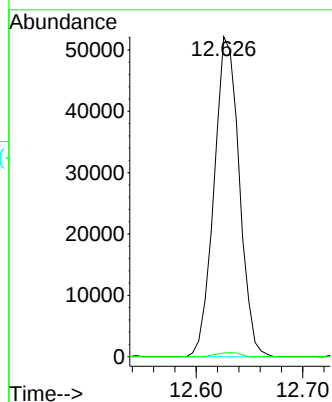
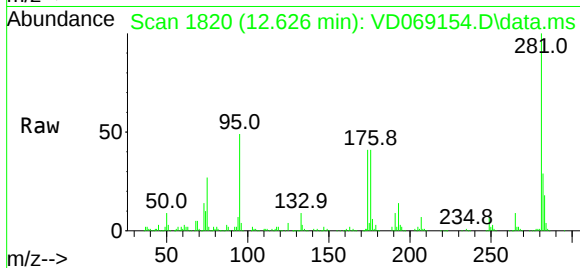




#76
1,2,3-Trichloropropane
Concen: 79.57 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069154.D
Acq: 13 May 2021 13:47

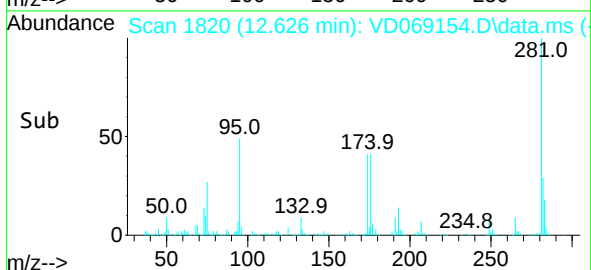
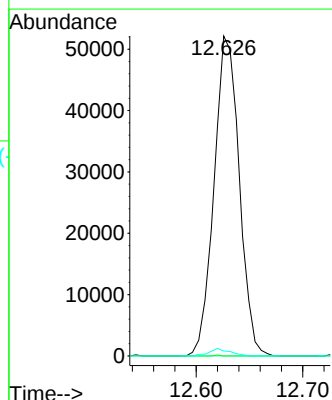
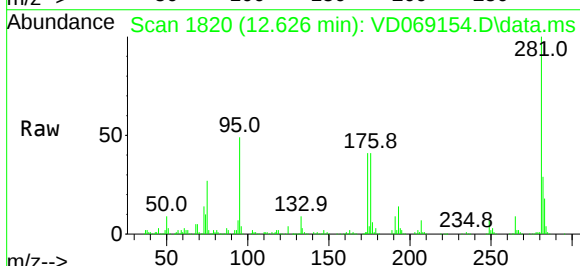
Instrument :
MSVOA_D
ClientSampleId :
VNJ-206

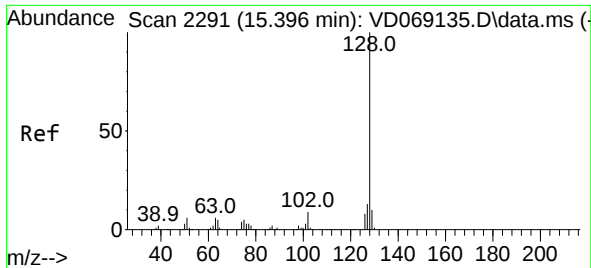
Tgt Ion: 75 Resp: 85617
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 160.73 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069154.D
Acq: 13 May 2021 13:47

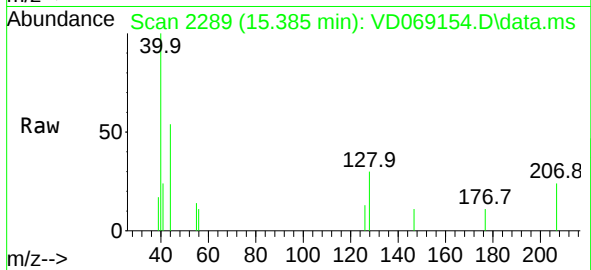
Tgt Ion: 75 Resp: 85617
Ion Ratio Lower Upper
75 100
53 0.1 70.0 105.0#
89 1.9 40.2 60.2#





#95
Naphthalene
Concen: 2.15 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.011 min
Lab File: VD069154.D
Acq: 13 May 2021 13:47

Instrument :
MSVOA_D
ClientSampleId :
VNJ-206



Tgt Ion:128 Resp: 495
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

