

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012821\
 Data File : VD068225.D
 Acq On : 28 Jan 2021 16:07
 Operator : VA/SY
 Sample : M1253-07
 Misc : 5.66G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VNJ-229

Quant Time: Jan 29 00:10:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

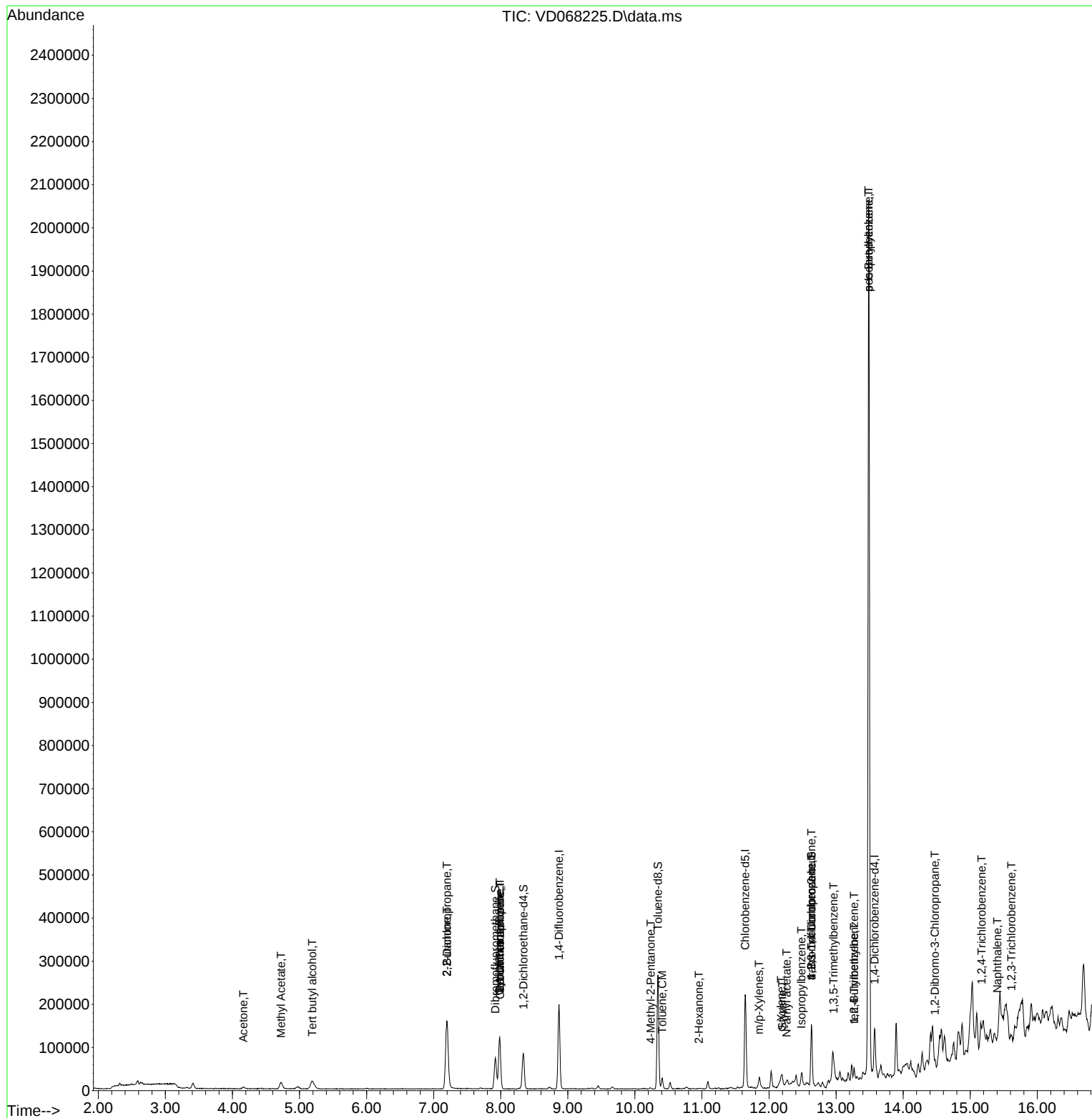
Internal Standards						
1) Pentafluorobenzene	7.985	168	90267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	169406	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	129406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	32842	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	66832	77.40	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 154.80%			
35) Dibromofluoromethane	7.920	113	52031	55.55	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.10%			
50) Toluene-d8	10.344	98	185888	49.62	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.24%			
62) 4-Bromofluorobenzene	12.632	95	48652	36.06	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 72.12%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.191	59	23503	321.75	ug/l #	75
16) Acetone	4.162	43	6710	43.52	ug/l #	82
18) Methyl Acetate	4.726	43	30292	75.70	ug/l	92
20) Methylene Chloride	4.985	84	4202	Below Cal		86
25) 2-Butanone	7.197	43	8194	35.30	ug/l #	65
26) 2,2-Dichloropropane	7.197	77	10938	6.15	ug/l #	52
31) Cyclohexane	7.979	56	2214	1.18	ug/l #	11
36) 1,1-Dichloropropene	7.985	75	8059	4.72	ug/l #	41
38) Carbon Tetrachloride	7.991	117	9222	5.77	ug/l #	15
51) 4-Methyl-2-Pentanone	10.238	43	1429	2.44	ug/l	88
52) Toluene	10.408	92	10479	3.37	ug/l	95
59) 2-Hexanone	10.955	43	801	1.97	ug/l #	19
68) m/p-Xylenes	11.849	106	3869	2.01	ug/l	78
69) o-Xylene	12.179	106	4620	2.59	ug/l	98
70) Styrene	12.196	104	8772	2.88	ug/l	94
73) Isopropylbenzene	12.485	105	2947	1.08	ug/l	77
74) N-amyl acetate	12.261	43	3972	6.99	ug/l #	41
76) 1,2,3-Trichloropropane	12.632	75	24661	77.66	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.961	105	7253	3.19	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.632	75	24661	157.15	ug/l #	13
83) tert-Butylbenzene	13.267	119	2662	1.38	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.267	105	15501	6.86	ug/l	99
85) sec-Butylbenzene	13.485	105	31687	11.75	ug/l	83
86) p-Isopropyltoluene	13.485	119	25769	10.50	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.473	75	151	2.12	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.167	180	706	1.07	ug/l #	1
95) Naphthalene	15.402	128	12392	9.99	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.614	180	836	1.50	ug/l #	35

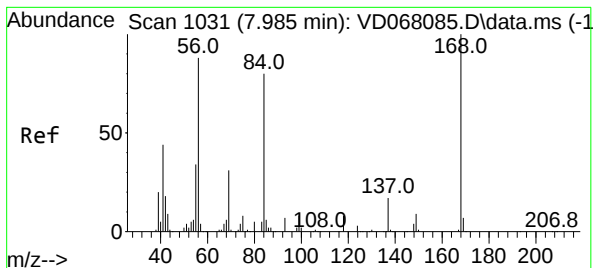
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VD068225.D

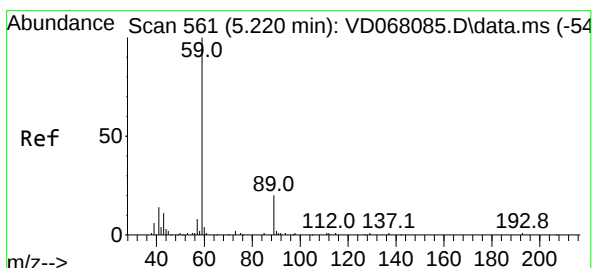
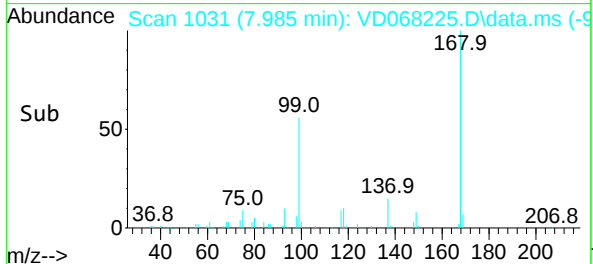
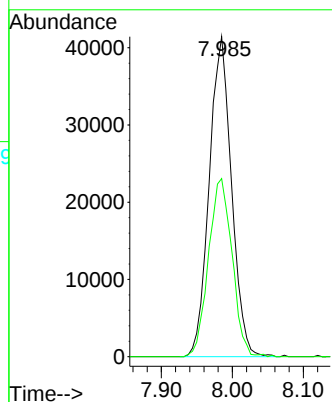
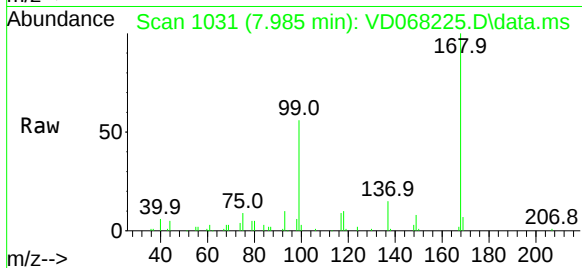
Acq: 28 Jan 2021 16:07

Tgt Ion:168 Resp: 90267

Ion Ratio Lower Upper

168 100

99 55.6 43.5 65.3



#11

Tert butyl alcohol

Concen: 321.75 ug/l

RT: 5.191 min Scan# 556

Delta R.T. -0.029 min

Lab File: VD068225.D

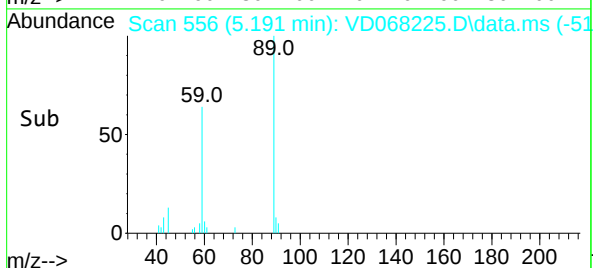
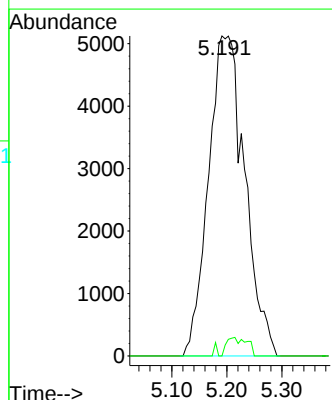
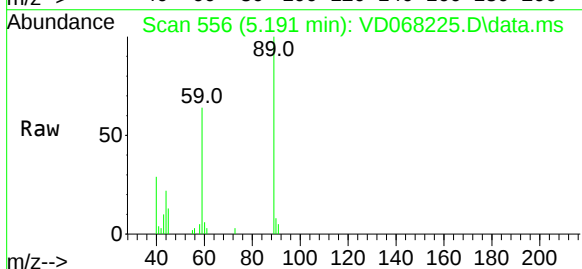
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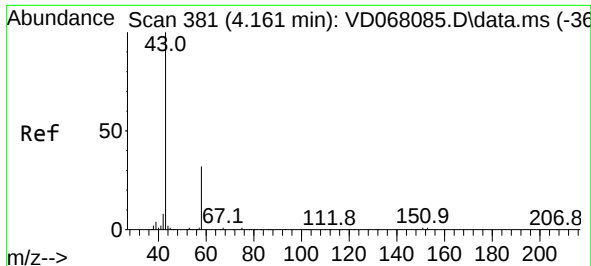
Tgt Ion: 59 Resp: 23503

Ion Ratio Lower Upper

59 100

57 0.3 7.4 11.2#

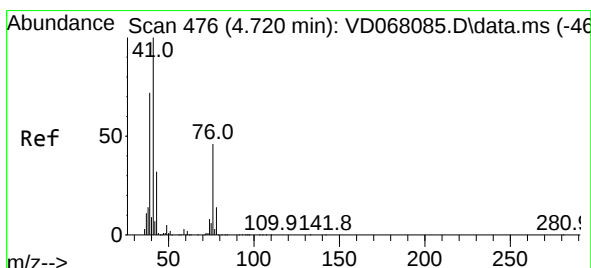
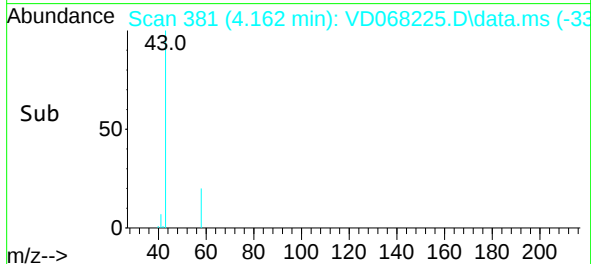
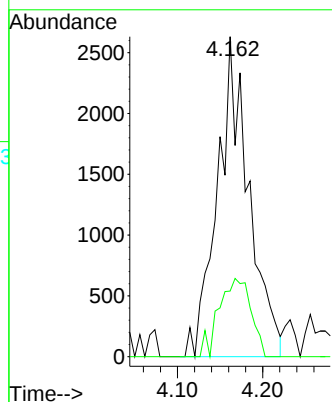
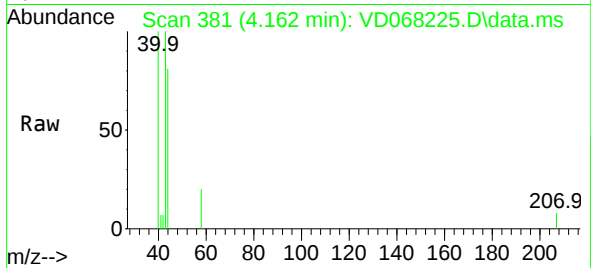




#16
Acetone
Concen: 43.52 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

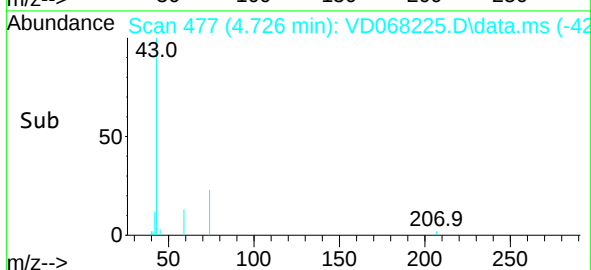
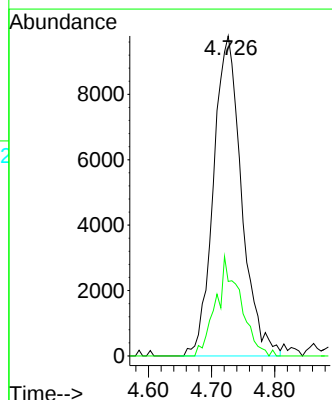
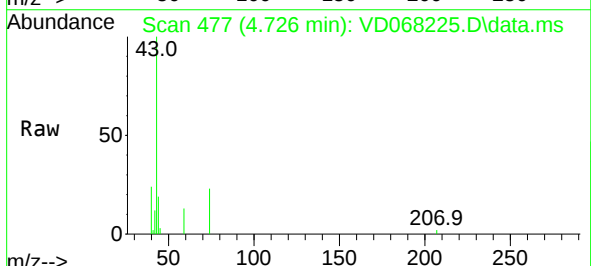
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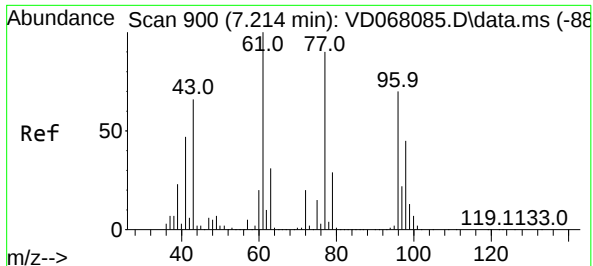
Tgt Ion: 43 Resp: 6710
Ion Ratio Lower Upper
43 100
58 20.5 24.2 36.4#



#18
Methyl Acetate
Concen: 75.70 ug/l
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

Tgt Ion: 43 Resp: 30292
Ion Ratio Lower Upper
43 100
74 27.3 25.4 38.0

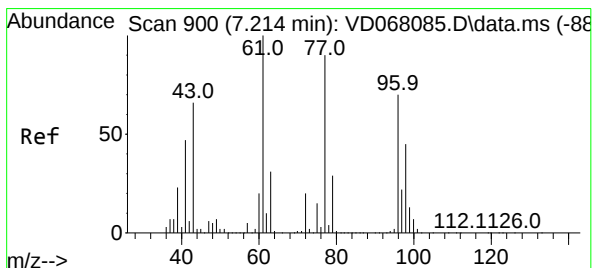
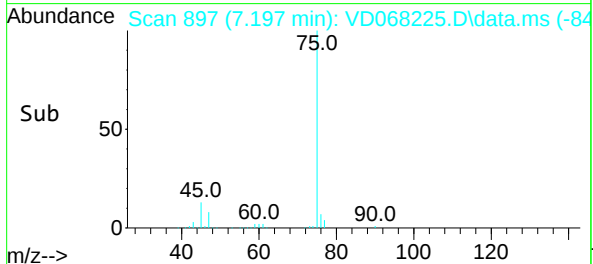
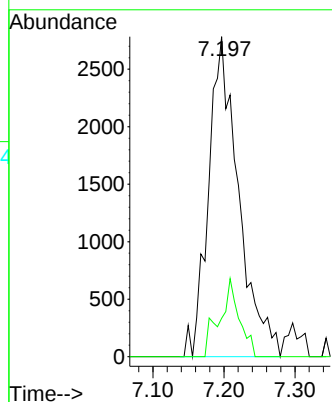
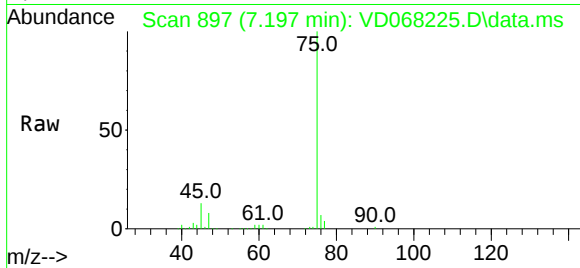




#25
2-Butanone
Concen: 35.30 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.017 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

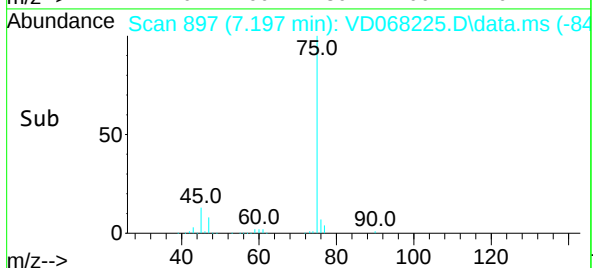
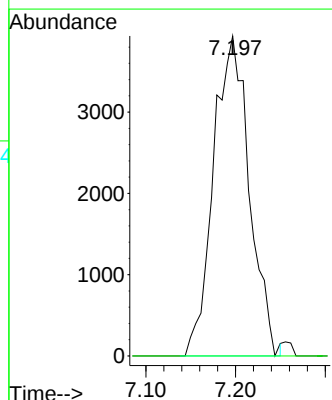
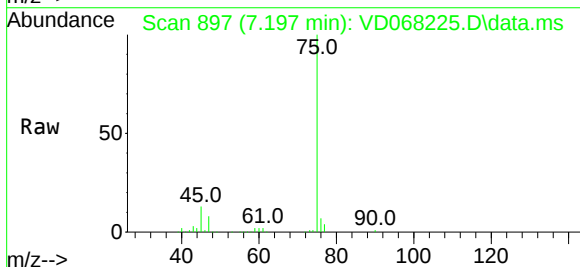
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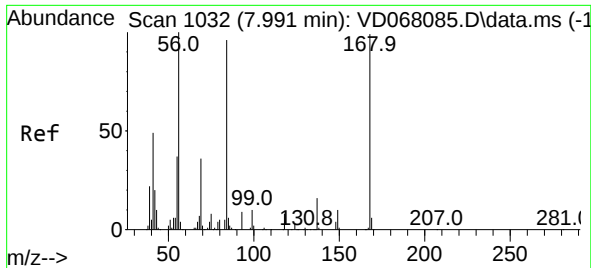
Tgt Ion: 43 Resp: 8194
Ion Ratio Lower Upper
43 100
72 12.0 25.1 37.7#



#26
2,2-Dichloropropane
Concen: 6.15 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.017 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

Tgt Ion: 77 Resp: 10938
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#

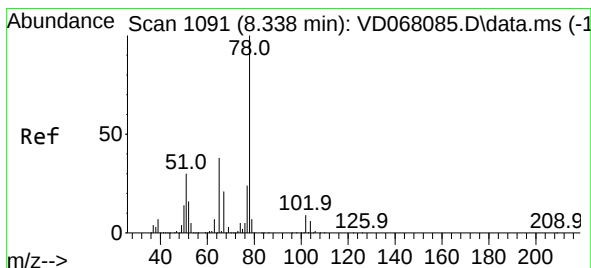
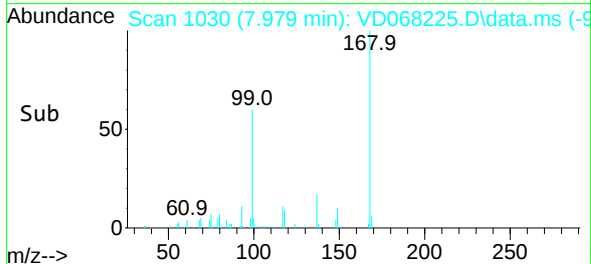
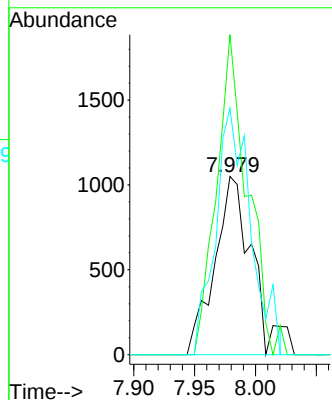
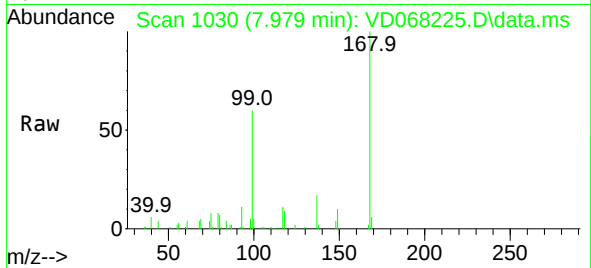




#31
Cyclohexane
Concen: 1.18 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.011 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

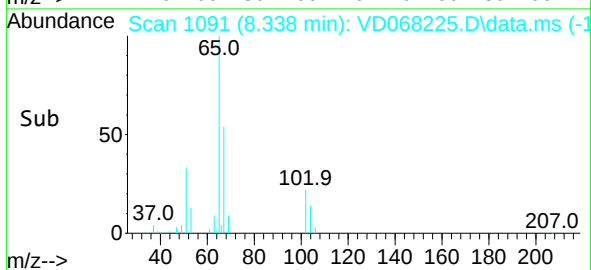
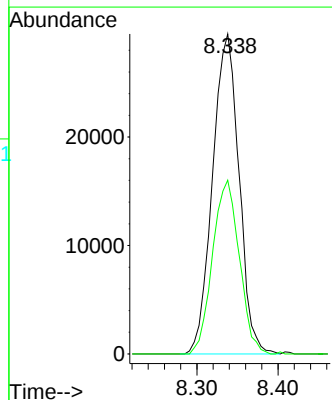
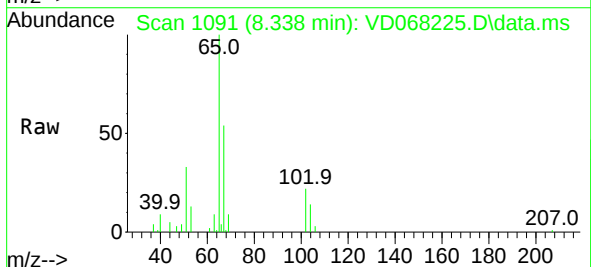
Instrument :
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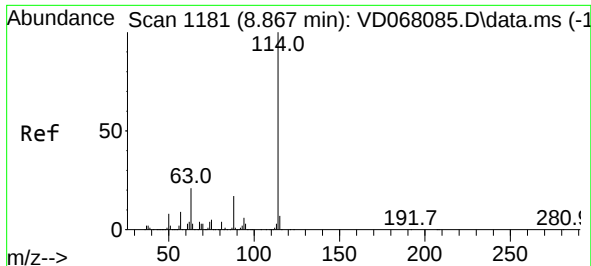
Tgt Ion: 56 Resp: 2214
Ion Ratio Lower Upper
56 100
69 179.6 30.1 45.1#
84 138.3 82.1 123.1#



#33
1,2-Dichloroethane-d4
Concen: 77.40 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

Tgt Ion: 65 Resp: 66832
Ion Ratio Lower Upper
65 100
67 54.8 0.0 105.0

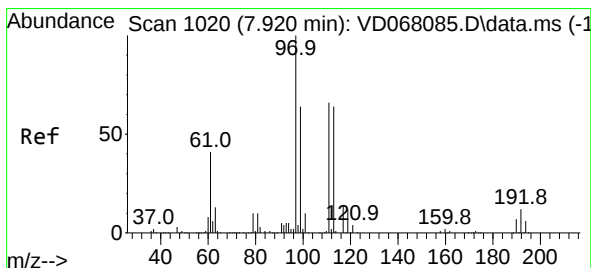
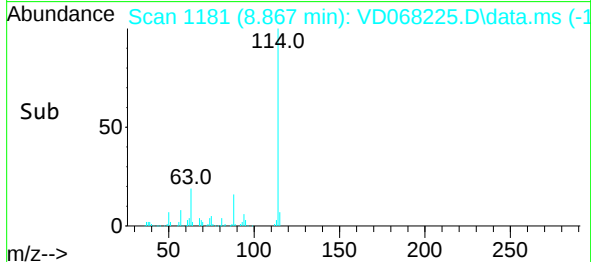
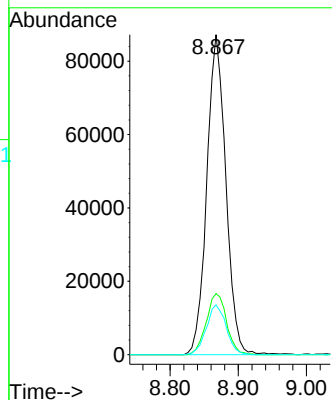
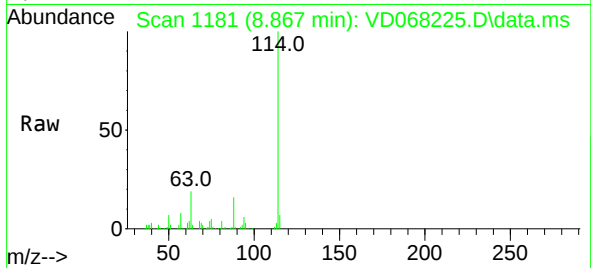




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

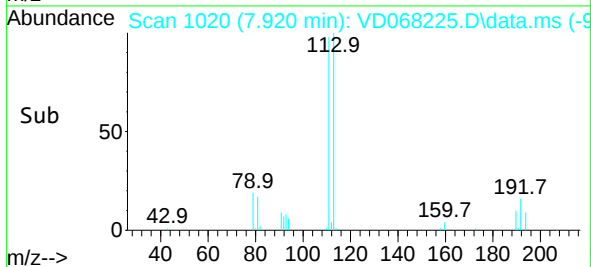
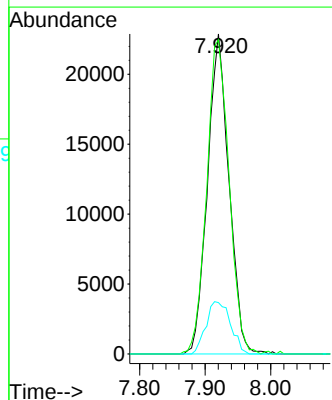
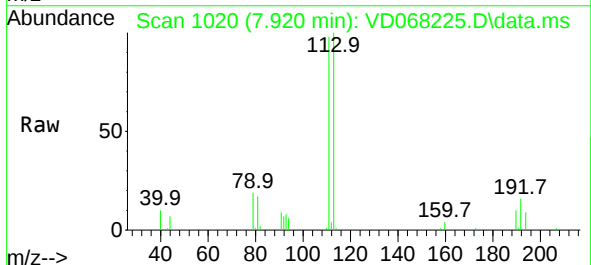
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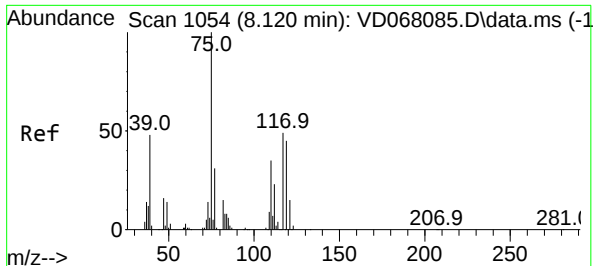
Tgt Ion:114 Resp: 169406
Ion Ratio Lower Upper
114 100
63 19.1 0.0 34.8
88 15.6 0.0 31.6



#35
Dibromofluoromethane
Concen: 55.55 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

Tgt Ion:113 Resp: 52031
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 18.6 16.1 24.1

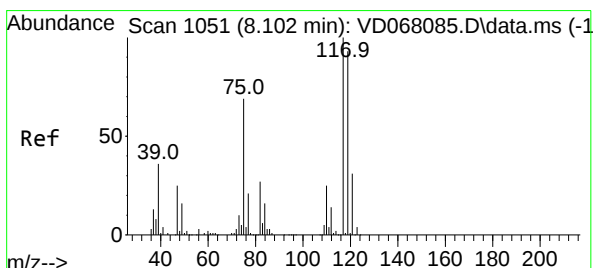
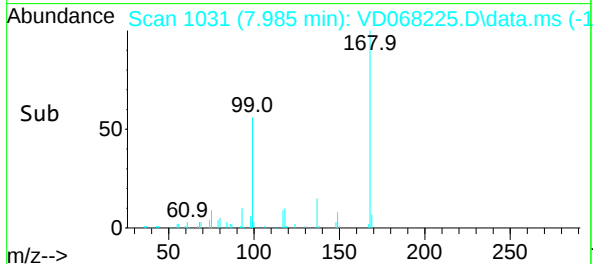
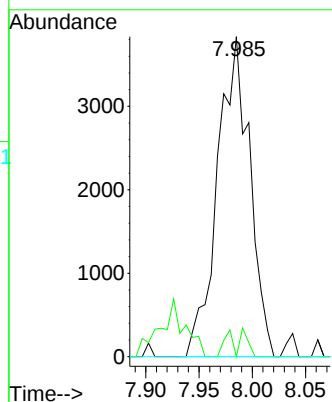
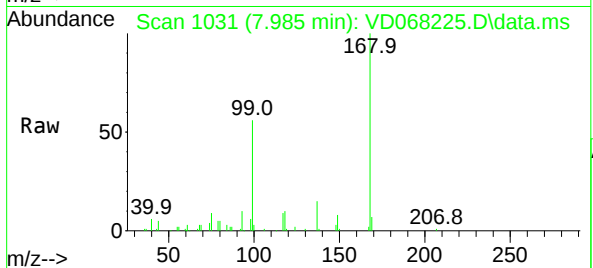




#36
1,1-Dichloropropene
Concen: 4.72 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.135 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

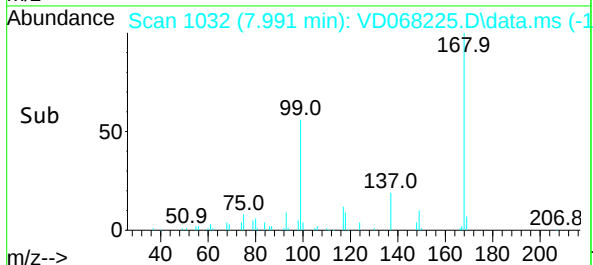
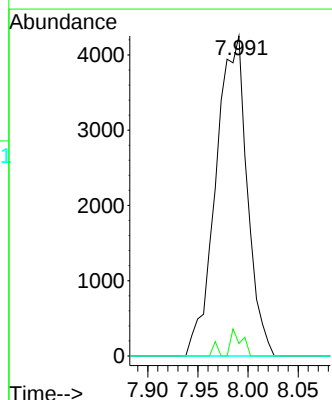
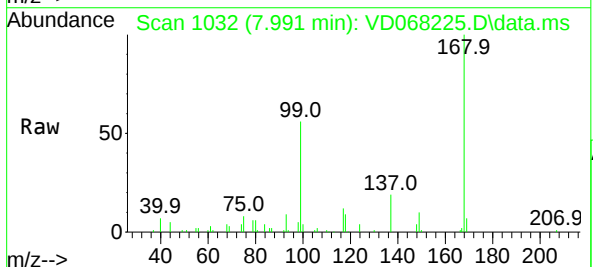
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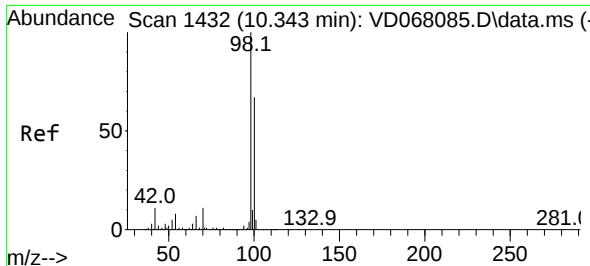
Tgt Ion: 75 Resp: 8059
Ion Ratio Lower Upper
75 100
110 2.3 19.4 58.2#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.77 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. -0.111 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

Tgt Ion: 117 Resp: 9222
Ion Ratio Lower Upper
117 100
119 3.9 77.3 115.9#
121 0.0 24.7 37.1#

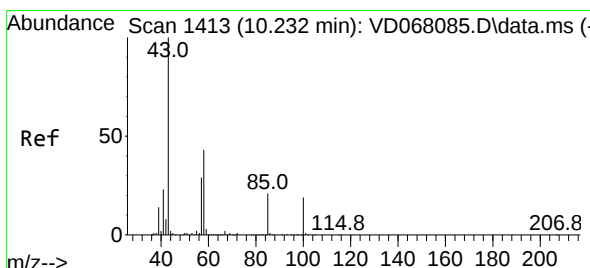
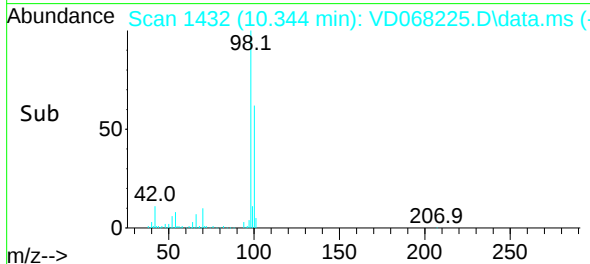
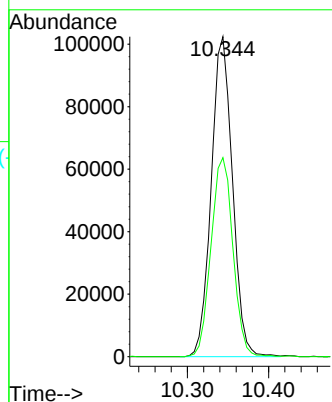
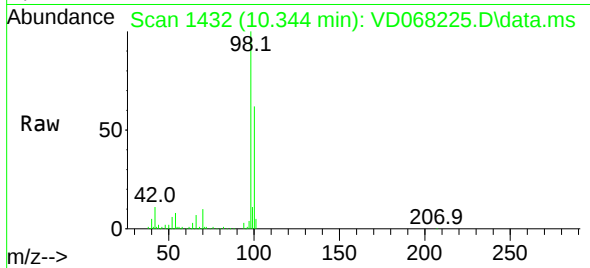




#50
Toluene-d8
Concen: 49.62 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

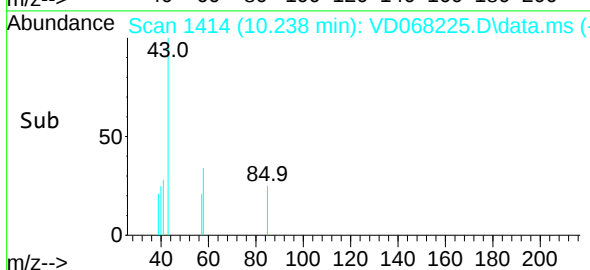
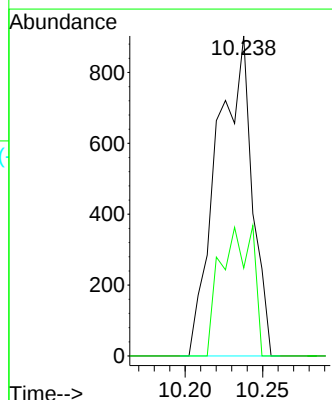
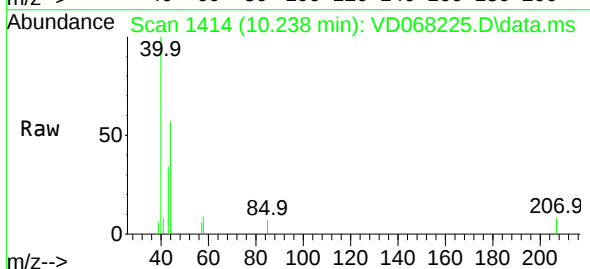
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

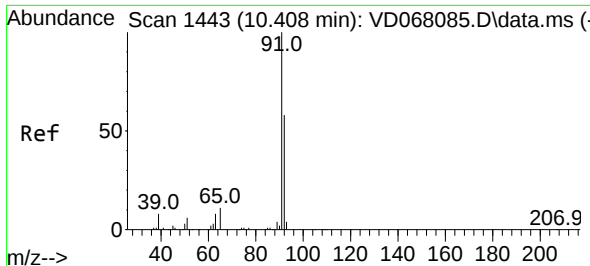
Tgt Ion: 98 Resp: 185888
Ion Ratio Lower Upper
98 100
100 64.3 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 2.44 ug/l
RT: 10.238 min Scan# 1414
Delta R.T. 0.006 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

Tgt Ion: 43 Resp: 1429
Ion Ratio Lower Upper
43 100
58 37.1 36.1 54.1

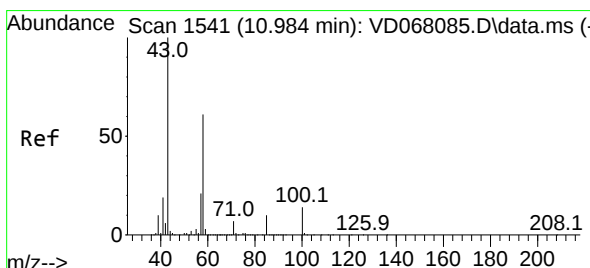
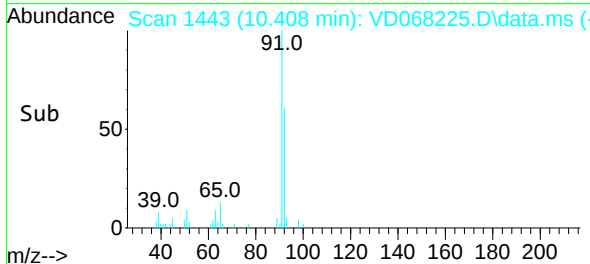
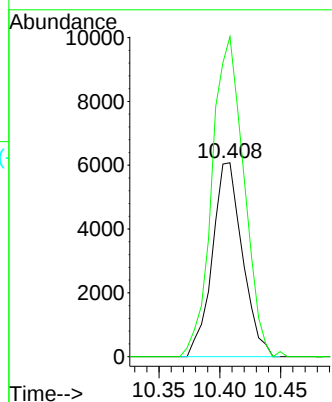
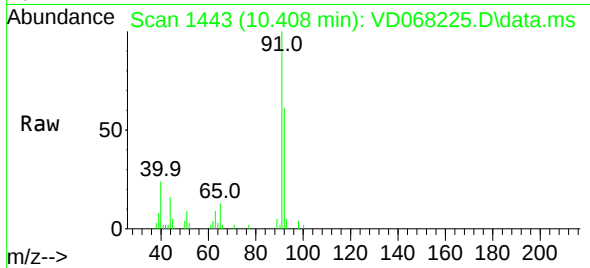




#52
Toluene
Concen: 3.37 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

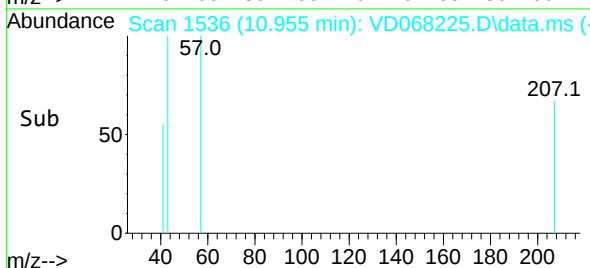
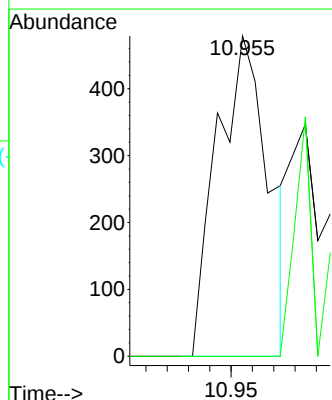
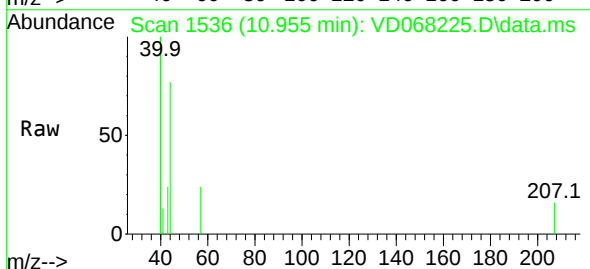
Instrument :
MSVOA_D
ClientSampled :
VNJ-229

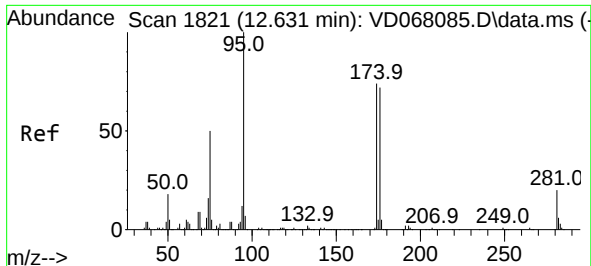
Tgt Ion: 92 Resp: 10479
Ion Ratio Lower Upper
92 100
91 174.6 134.1 201.1



#59
2-Hexanone
Concen: 1.97 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.029 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

Tgt Ion: 43 Resp: 801
Ion Ratio Lower Upper
43 100
58 0.0 31.0 93.0#

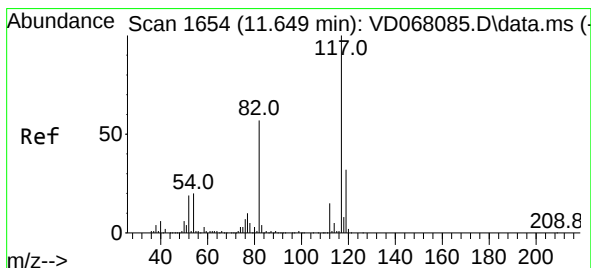
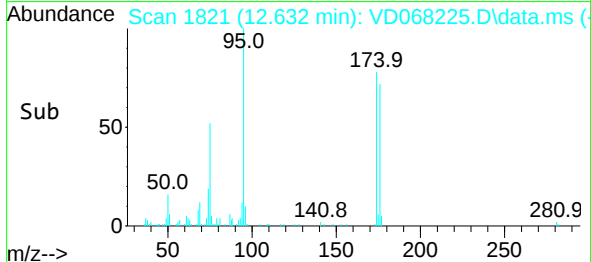
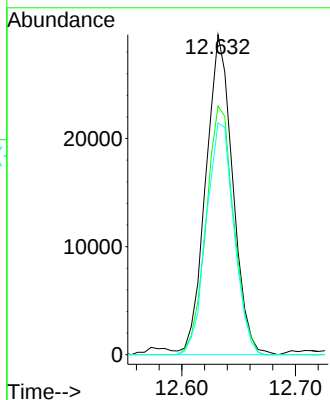
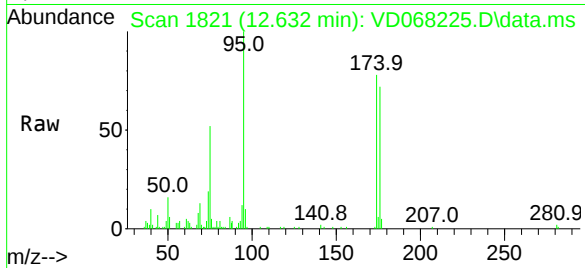




#62
4-Bromofluorobenzene
Concen: 36.06 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

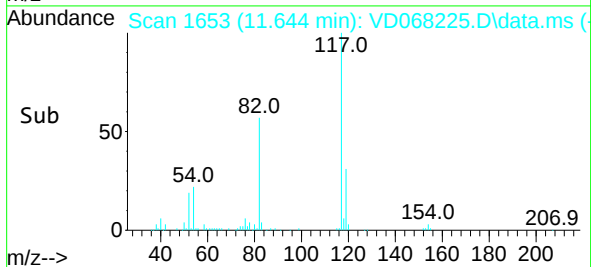
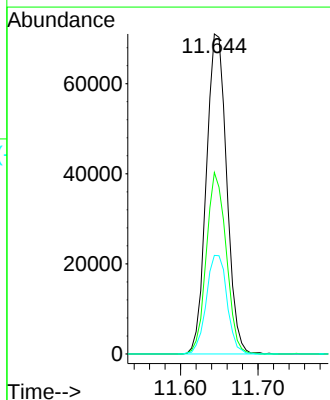
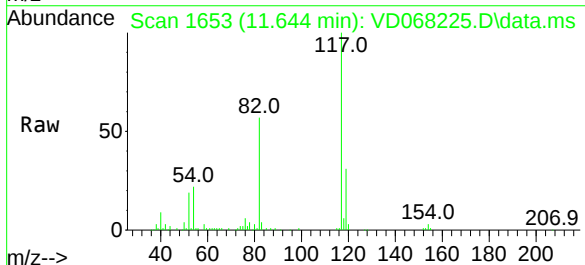
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

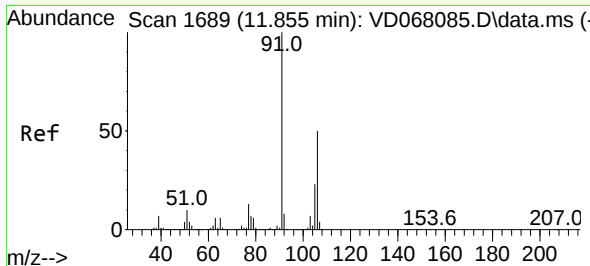
Tgt Ion:	95	Resp:	48652
Ion	Ratio	Lower	Upper
95	100		
174	79.9	0.0	172.4
176	74.9	0.0	168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.005 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

Tgt Ion:	117	Resp:	129406
Ion	Ratio	Lower	Upper
117	100		
82	56.7	41.4	62.0
119	30.8	26.1	39.1

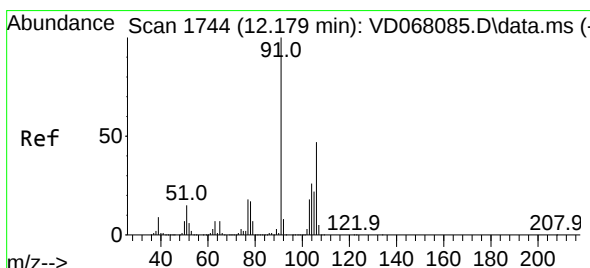
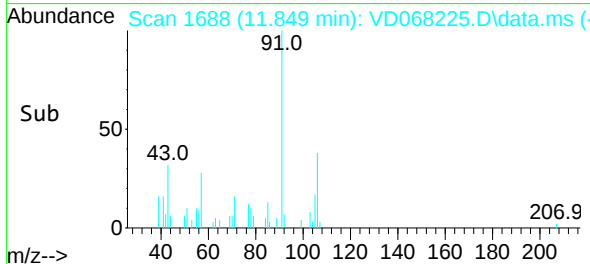
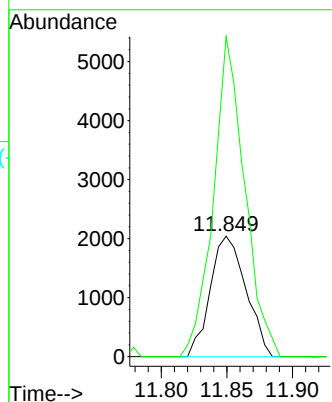
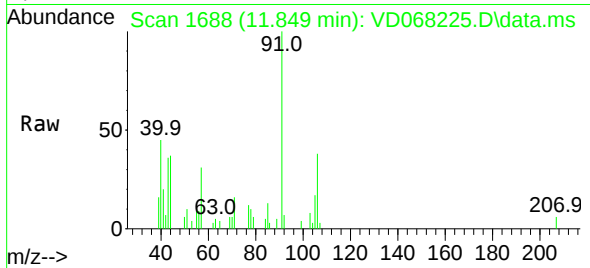




#68
m/p-Xylenes
Concen: 2.01 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

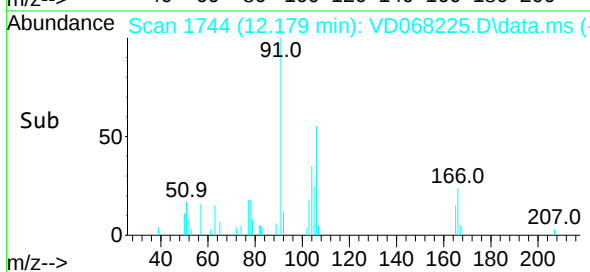
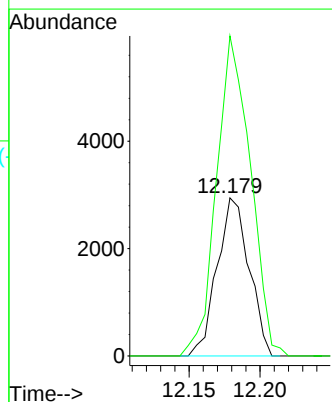
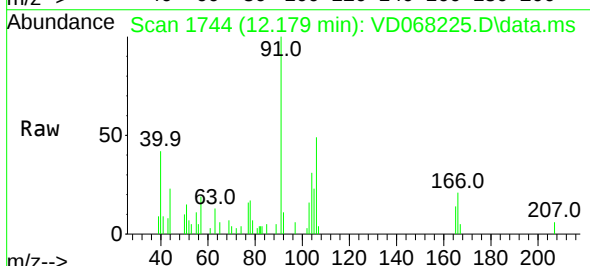
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

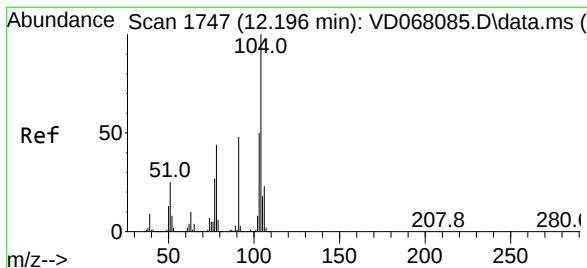
Tgt Ion:106 Resp: 3869
Ion Ratio Lower Upper
106 100
91 232.6 159.1 238.7



#69
o-Xylene
Concen: 2.59 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

Tgt Ion:106 Resp: 4620
Ion Ratio Lower Upper
106 100
91 214.5 108.7 325.9





#70

Styrene

Concen: 2.88 ug/l

RT: 12.196 min Scan# 1747

Delta R.T. 0.000 min

Lab File: VD068225.D

Acq: 28 Jan 2021 16:07

Tgt Ion:104 Resp: 8772

Ion Ratio Lower Upper

104 100

78 41.1 38.2 57.2

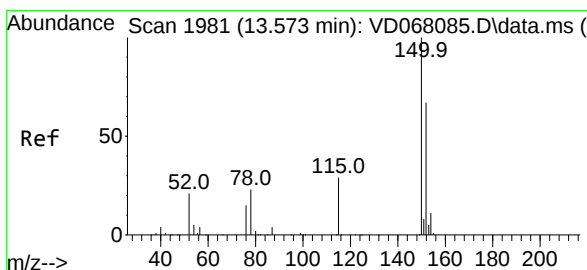
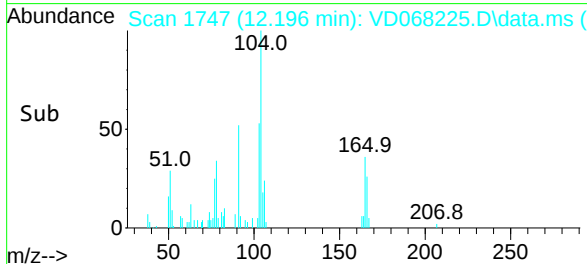
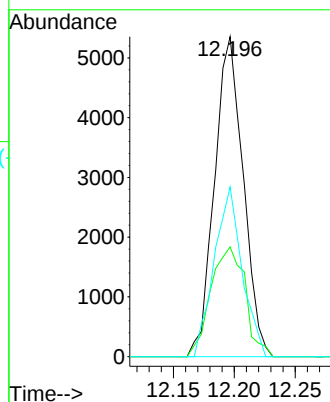
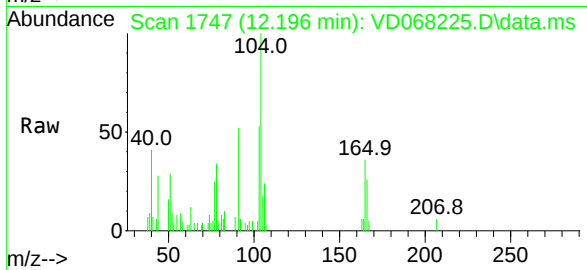
103 51.4 43.1 64.7

Instrument :

MSVOA_D

ClientSampleId :

VNJ-229



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.573 min Scan# 1981

Delta R.T. 0.000 min

Lab File: VD068225.D

Acq: 28 Jan 2021 16:07

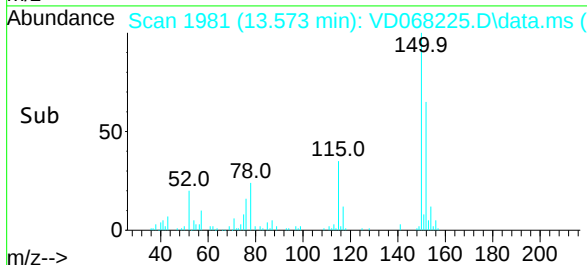
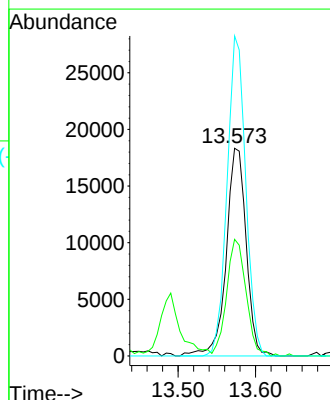
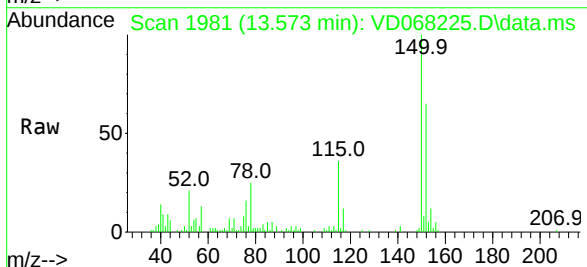
Tgt Ion:152 Resp: 32842

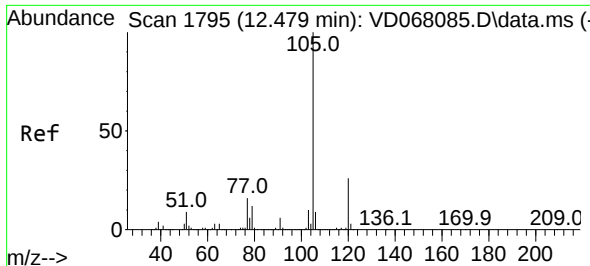
Ion Ratio Lower Upper

152 100

115 54.8 28.9 86.8

150 143.6 0.0 344.4

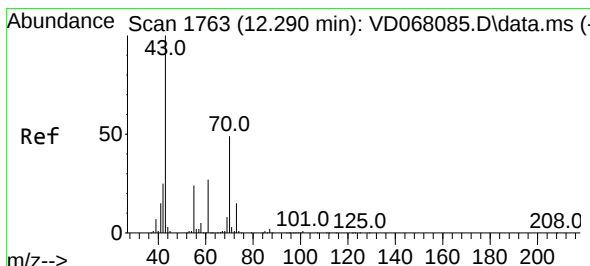
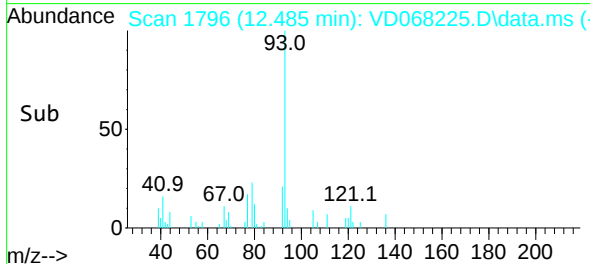
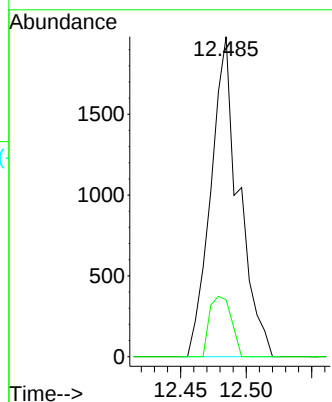
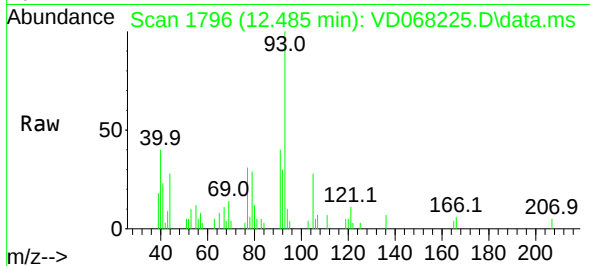




#73
Isopropylbenzene
Concen: 1.08 ug/l
RT: 12.485 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

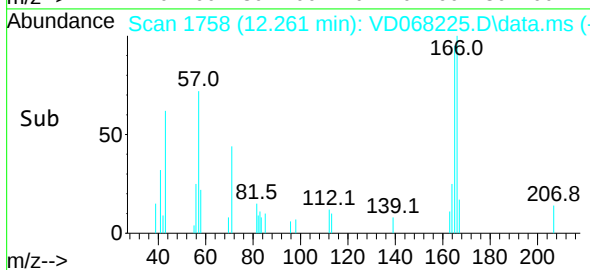
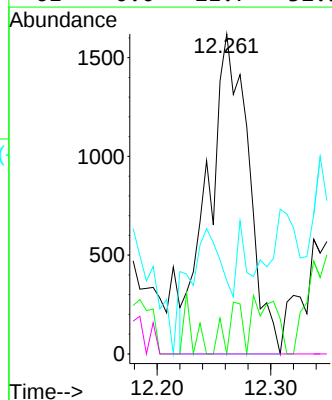
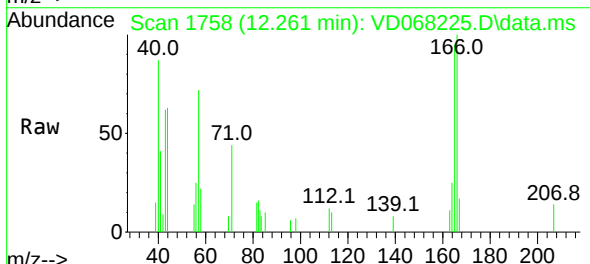
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

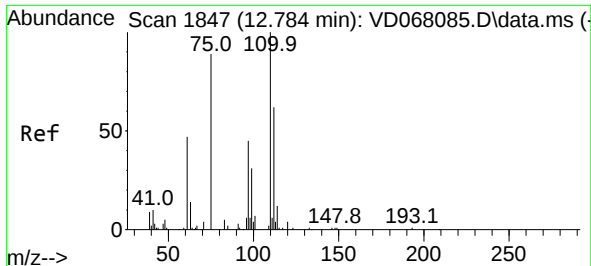
Tgt Ion:105 Resp: 2947
Ion Ratio Lower Upper
105 100
120 14.7 13.2 39.6



#74
N-ethyl acetate
Concen: 6.99 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.029 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

Tgt Ion: 43 Resp: 3972
Ion Ratio Lower Upper
43 100
70 6.2 41.8 62.8#
55 0.0 24.2 36.4#
61 0.0 21.7 32.5#

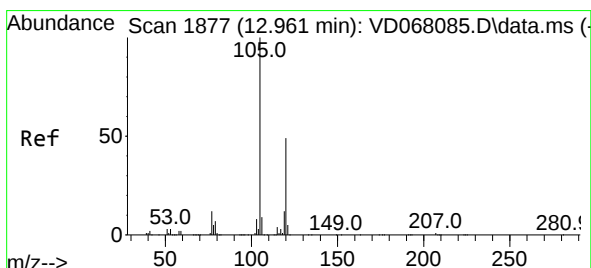
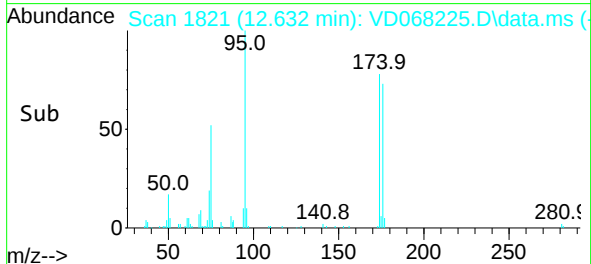
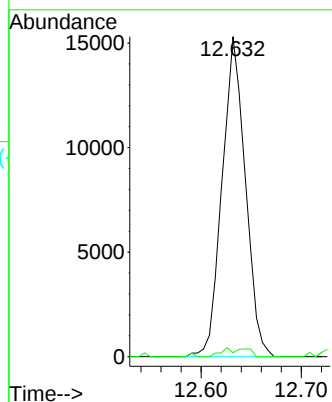
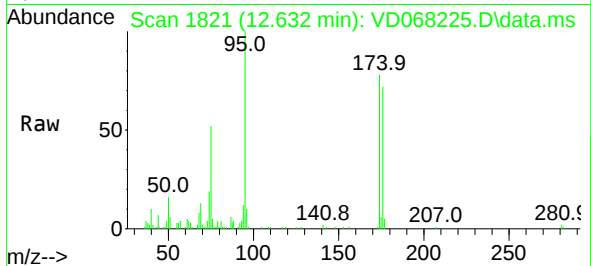




#76
1,2,3-Trichloropropane
Concen: 77.66 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

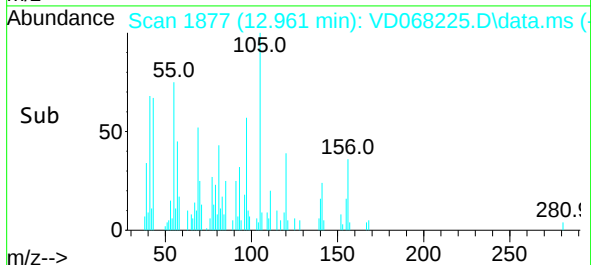
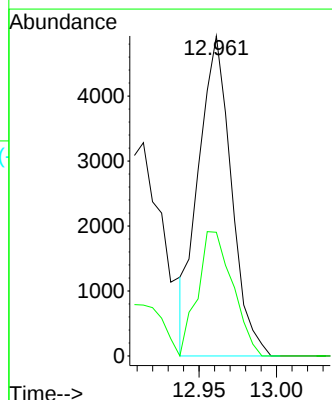
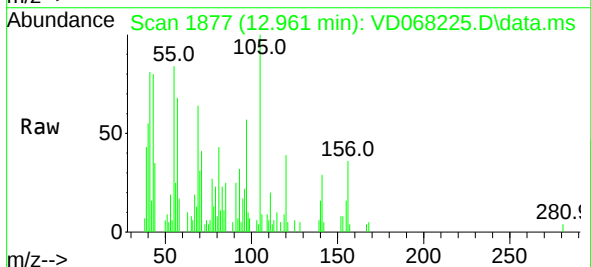
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

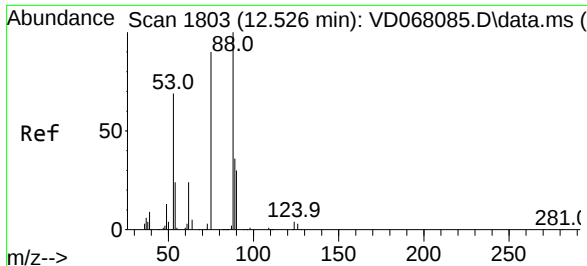
Tgt Ion: 75 Resp: 24661
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 3.19 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

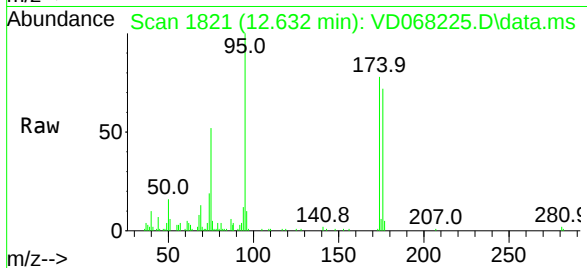
Tgt Ion: 105 Resp: 7253
Ion Ratio Lower Upper
105 100
120 41.5 24.2 72.6



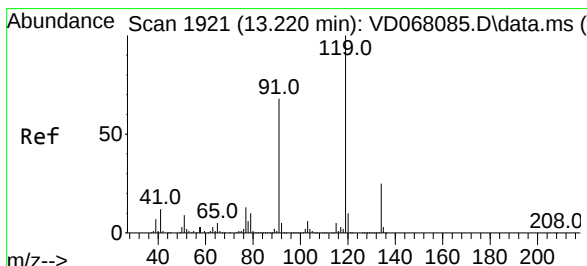
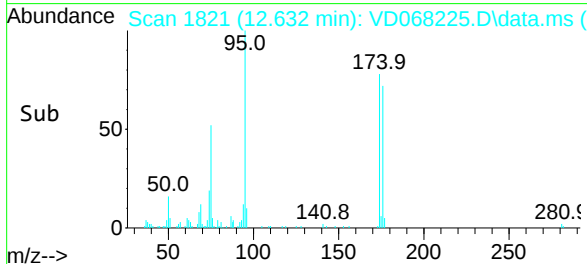
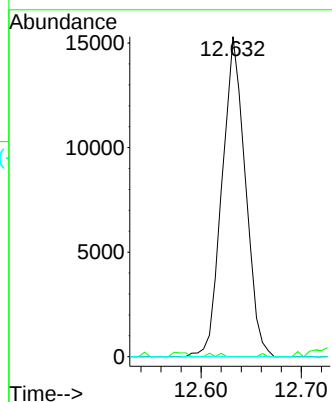


#81
trans-1,4-Dichloro-2-butene
Concen: 157.15 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

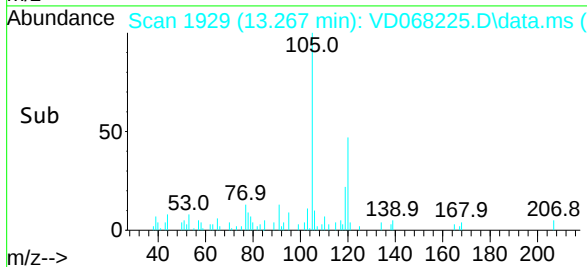
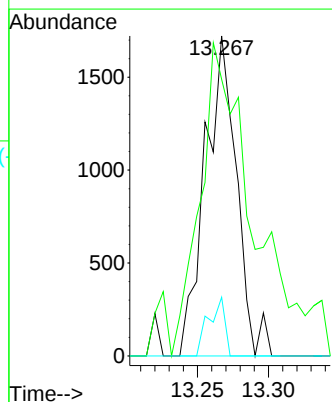
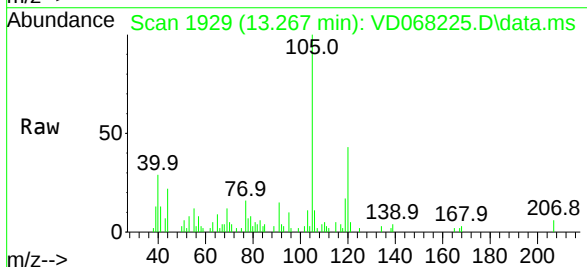


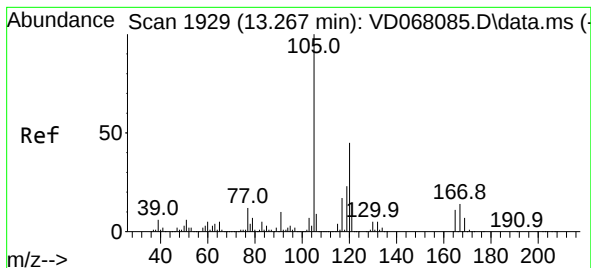
Tgt Ion: 75 Resp: 24661
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#



#83
tert-Butylbenzene
Concen: 1.38 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.047 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

Tgt Ion: 119 Resp: 2662
Ion Ratio Lower Upper
119 100
91 167.2 31.1 93.5#
134 9.4 13.3 39.8#





#84

1,2,4-Trimethylbenzene

Concen: 6.86 ug/l

RT: 13.267 min Scan# 1929

Delta R.T. 0.000 min

Lab File: VD068225.D

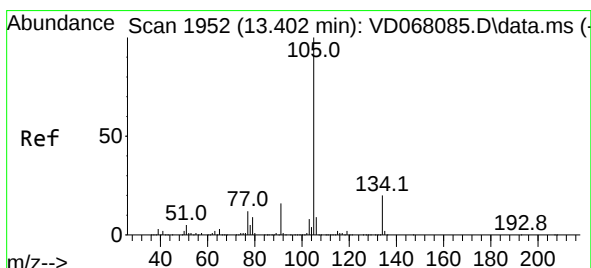
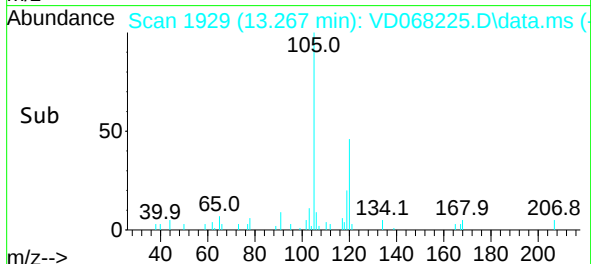
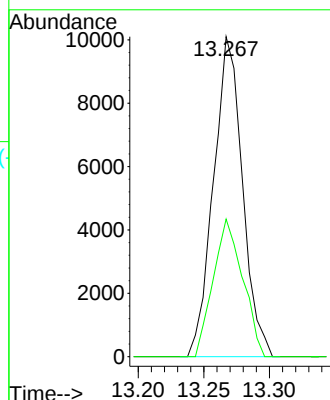
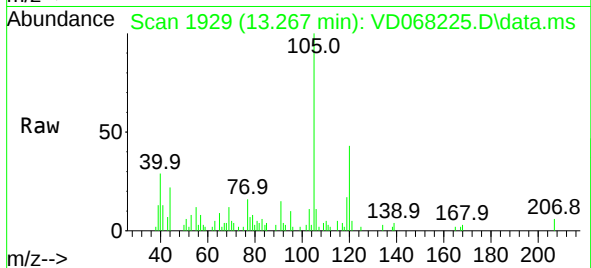
Acq: 28 Jan 2021 16:07

Tgt Ion:105 Resp: 15501

Ion Ratio Lower Upper

105 100

120 43.8 22.4 67.0



#85

sec-Butylbenzene

Concen: 11.75 ug/l

RT: 13.485 min Scan# 1966

Delta R.T. 0.083 min

Lab File: VD068225.D

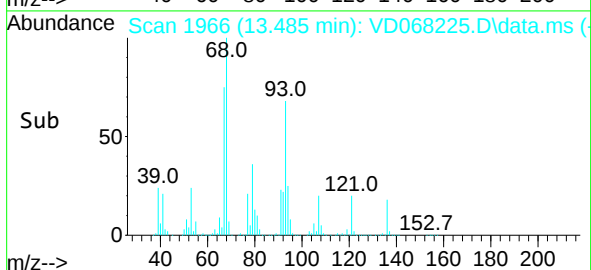
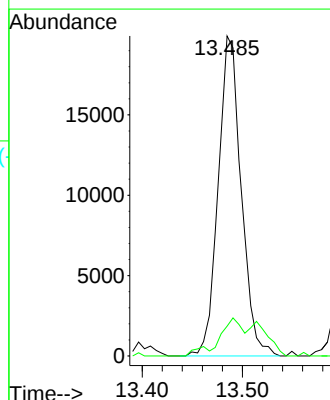
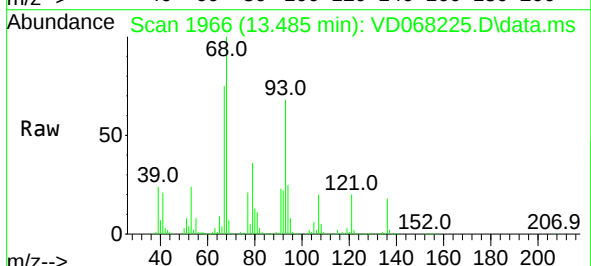
Acq: 28 Jan 2021 16:07

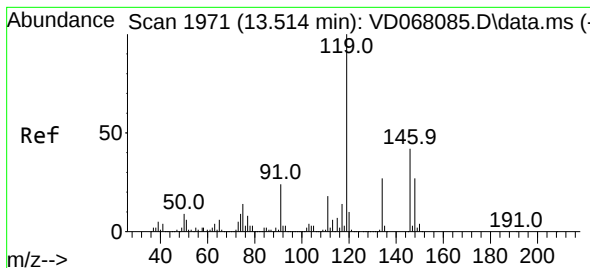
Tgt Ion:105 Resp: 31687

Ion Ratio Lower Upper

105 100

134 12.5 10.3 30.9

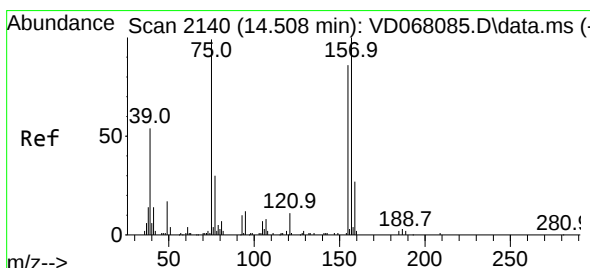
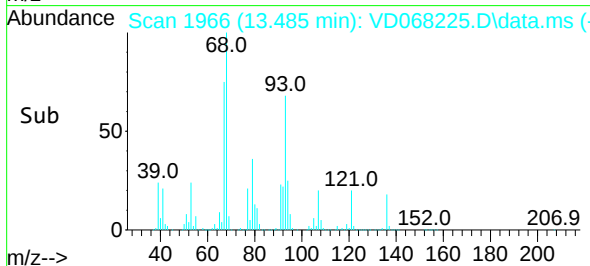
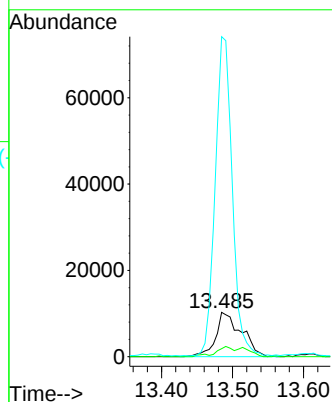
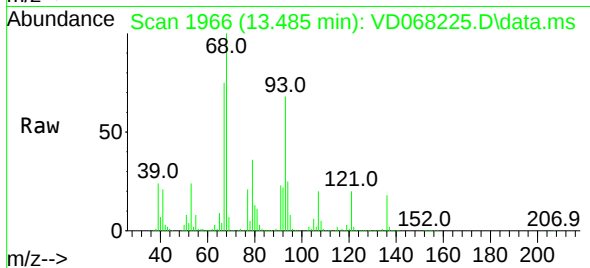




#86
p-Isopropyltoluene
Concen: 10.50 ug/l
RT: 13.485 min Scan# 1966
Delta R.T. -0.029 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

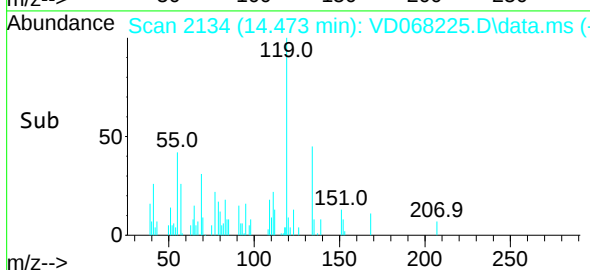
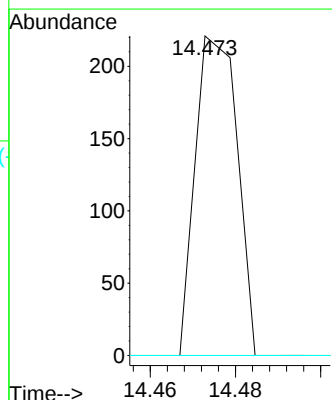
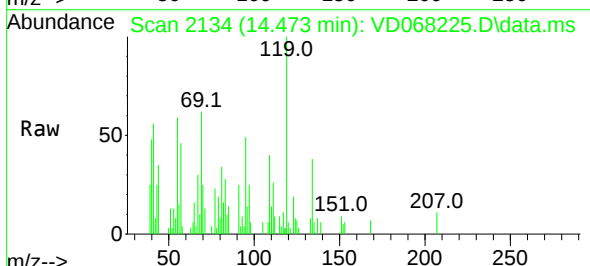
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

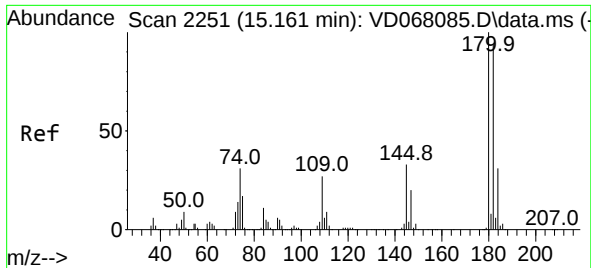
Tgt Ion:119 Resp: 25769
Ion Ratio Lower Upper
119 100
134 15.4 12.9 38.7
91 478.7 11.7 35.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.12 ug/l
RT: 14.473 min Scan# 2134
Delta R.T. -0.035 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

Tgt Ion: 75 Resp: 151
Ion Ratio Lower Upper
75 100
155 0.0 48.0 144.2#
157 0.0 65.0 194.8#

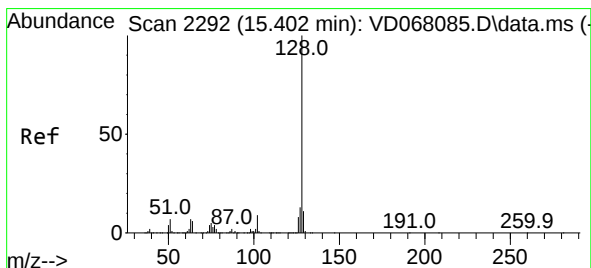
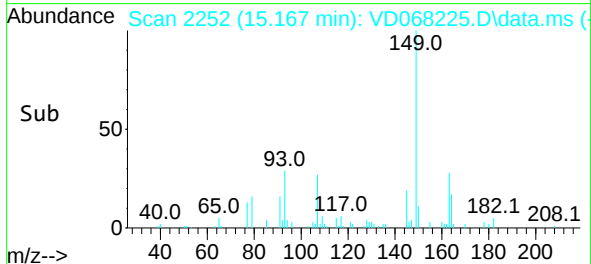
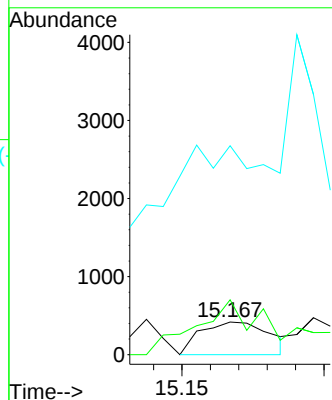
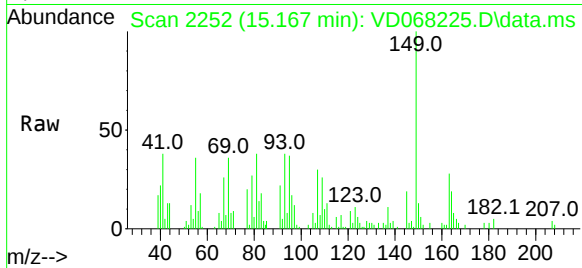




#93
1,2,4-Trichlorobenzene
Concen: 1.07 ug/l
RT: 15.167 min Scan# 2252
Delta R.T. 0.006 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

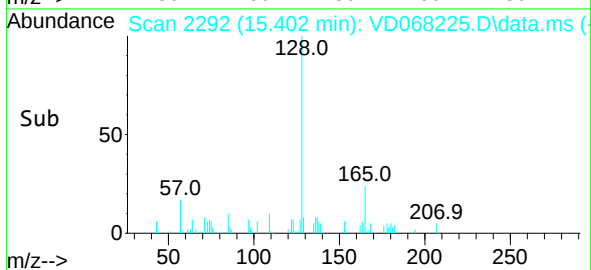
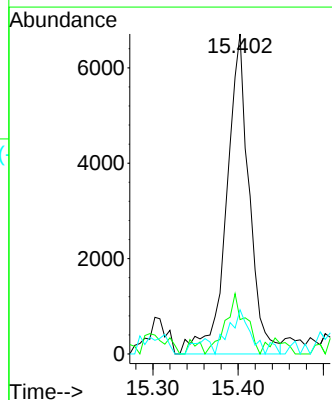
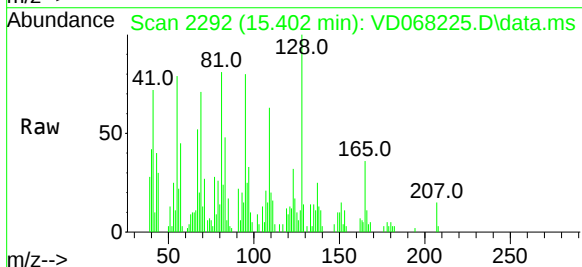
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

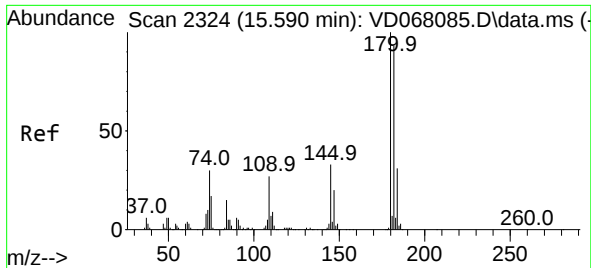
Tgt Ion:180 Resp: 706
Ion Ratio Lower Upper
180 100
182 186.3 46.8 140.4#
145 1060.9 15.2 45.5#



#95
Naphthalene
Concen: 9.99 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.000 min
Lab File: VD068225.D
Acq: 28 Jan 2021 16:07

Tgt Ion:128 Resp: 12392
Ion Ratio Lower Upper
128 100
127 16.7 10.2 15.2#
129 12.7 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 1.50 ug/l
 RT: 15.614 min Scan# 2328
 Delta R.T. 0.024 min
 Lab File: VD068225.D
 Acq: 28 Jan 2021 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-229

Tgt Ion:180 Resp: 836
 Ion Ratio Lower Upper
 180 100
 182 30.1 48.3 144.8#
 145 0.0 16.7 50.1#

