

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051421\
 Data File : VD069175.D
 Acq On : 14 May 2021 14:30
 Operator : VA/SY
 Sample : M2389-07
 Misc : 6.71G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CASINO-AVE-4-6

Quant Time: May 15 02:34:11 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)

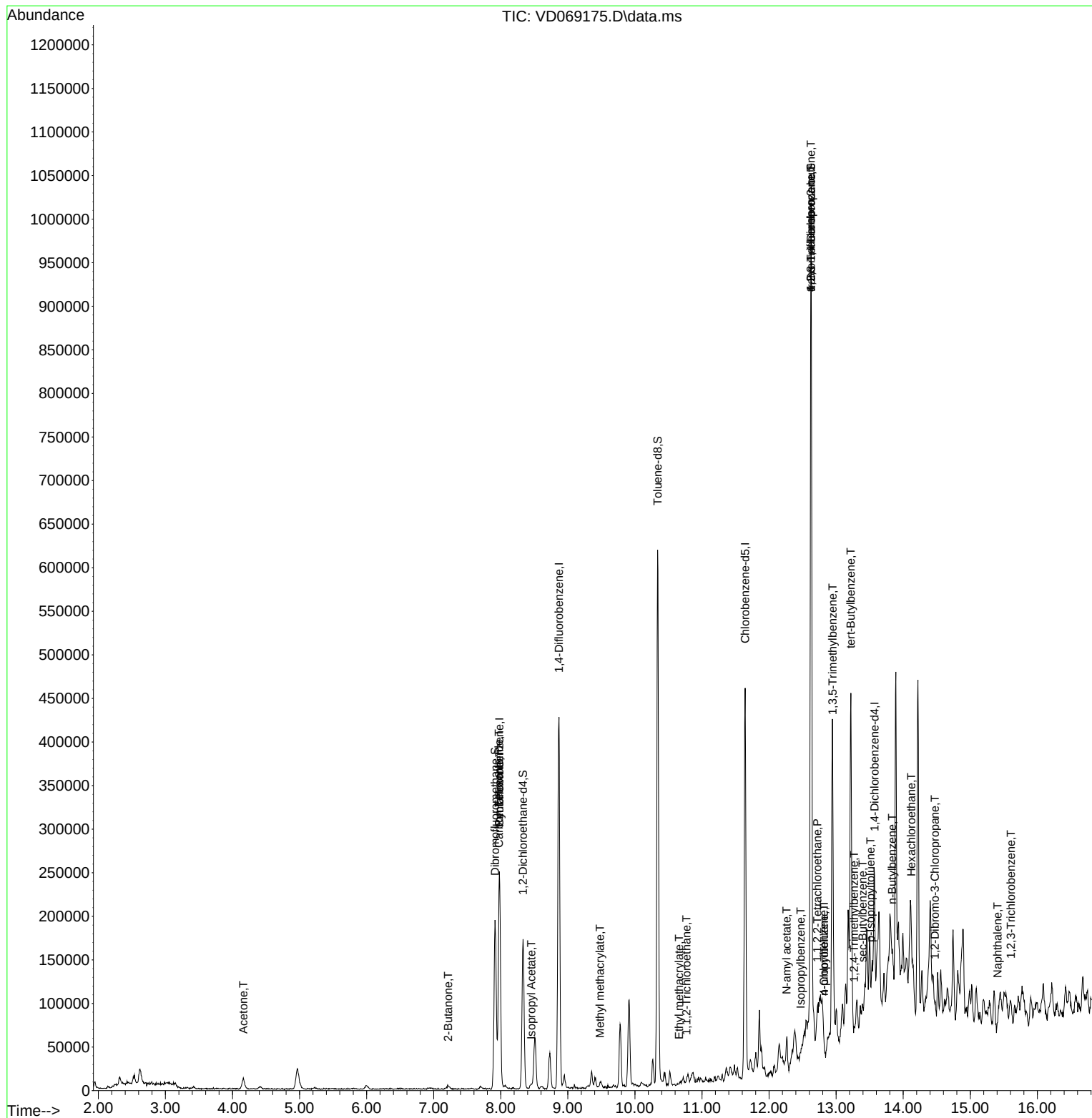
Internal Standards						
1) Pentafluorobenzene	7.979	168	180931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	385617	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	261419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	30356	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	133558	73.63	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 147.26%			
35) Dibromofluoromethane	7.914	113	139190	55.47	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.94%			
50) Toluene-d8	10.338	98	424678	46.06	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.12%			
62) 4-Bromofluorobenzene	12.626	95	70353	23.71	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 47.42%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.214	59	1891	Below Cal	#	93
16) Acetone	4.162	43	19916	71.69	ug/l	97
20) Methylene Chloride	4.962	84	20188	Below Cal	#	86
25) 2-Butanone	7.214	43	3484	9.26	ug/l	# 66
31) Cyclohexane	7.979	56	5180	1.93	ug/l	# 42
38) Carbon Tetrachloride	7.973	117	19711	4.70	ug/l	# 16
43) Isopropyl Acetate	8.455	43	4931	2.25	ug/l	# 87
48) Methyl methacrylate	9.479	41	1148	1.13	ug/l	# 64
55) 1,1,2-Trichloroethane	10.767	97	2210	1.08	ug/l	# 25
56) Ethyl methacrylate	10.661	69	598	1.58	ug/l	# 32
73) Isopropylbenzene	12.473	105	5475	2.58	ug/l	93
74) N-amyl acetate	12.261	43	6766	19.50	ug/l	# 83
75) 1,1,2,2-Tetrachloroethane	12.720	83	4174	10.86	ug/l	# 89
76) 1,2,3-Trichloropropane	12.626	75	43544	190.83	ug/l	# 100
78) n-propylbenzene	12.820	91	8149	3.18	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	7112	4.07	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.626	75	43544	385.45	ug/l	# 17
82) 4-Chlorotoluene	12.820	91	8149	5.37	ug/l	# 47
83) tert-Butylbenzene	13.220	119	177535	121.79	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	4599	2.61	ug/l	89
85) sec-Butylbenzene	13.396	105	9600	4.38	ug/l	86
86) p-Isopropyltoluene	13.514	119	5758	2.99	ug/l	# 73
89) n-Butylbenzene	13.838	91	14202	7.91	ug/l	# 64
90) Hexachloroethane	14.120	117	3009	8.34	ug/l	# 14
92) 1,2-Dibromo-3-Chloropr...	14.473	75	140	2.35	ug/l	76
95) Naphthalene	15.408	128	1104	3.11	ug/l	# 47
96) 1,2,3-Trichlorobenzene	15.608	180	1998	4.35	ug/l	# 24

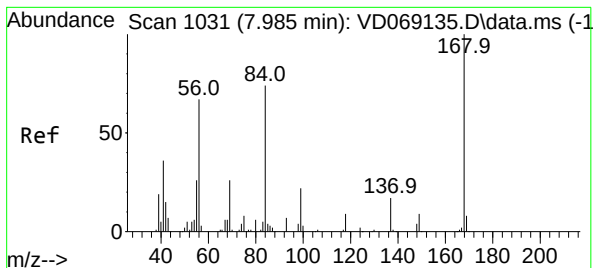
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051421\
Data File : VD069175.D
Acq On : 14 May 2021 14:30
Operator : VA/SY
Sample : M2389-07
Misc : 6.71G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-4-6

Quant Time: May 15 02:34:11 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

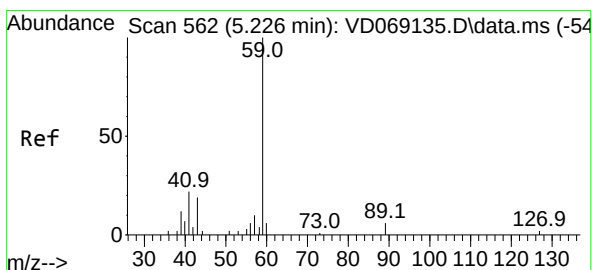
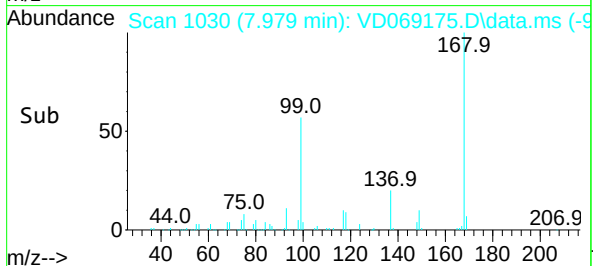
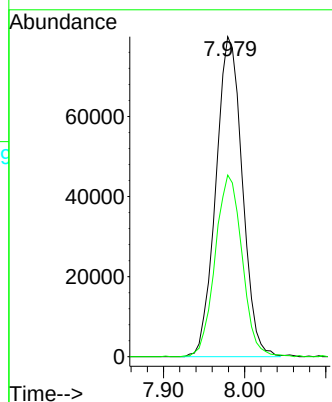
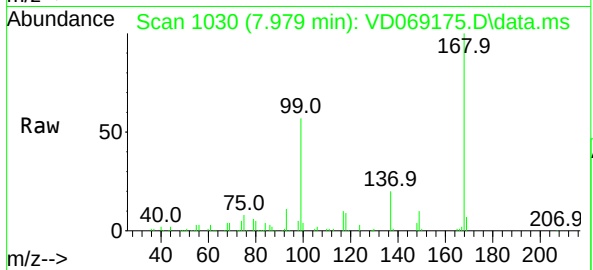




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

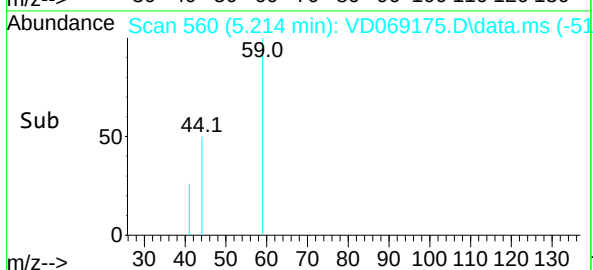
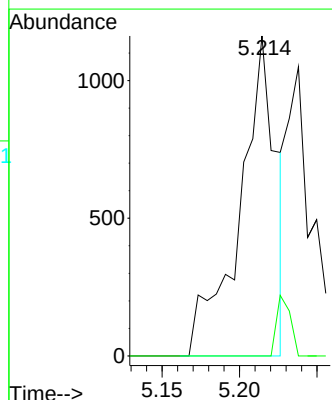
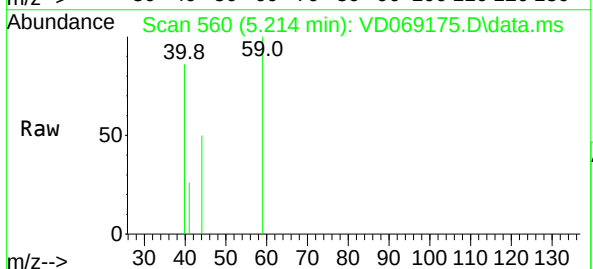
Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-4-6

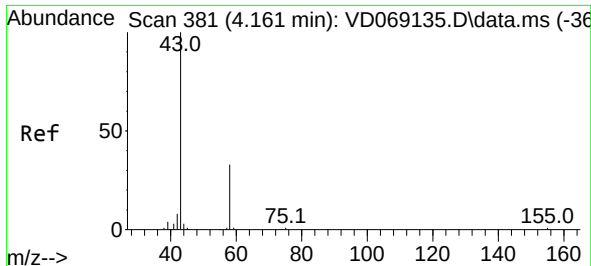
Tgt Ion:168 Resp: 180931
Ion Ratio Lower Upper
168 100
99 56.8 47.2 70.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.012 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

Tgt Ion: 59 Resp: 1891
Ion Ratio Lower Upper
59 100
57 7.1 7.8 11.8#

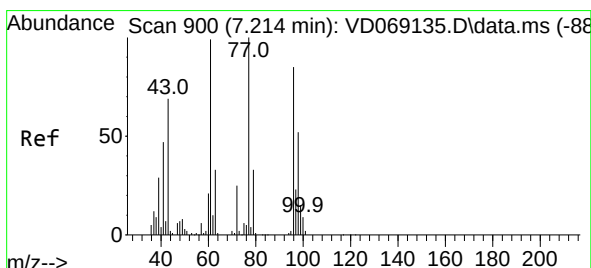
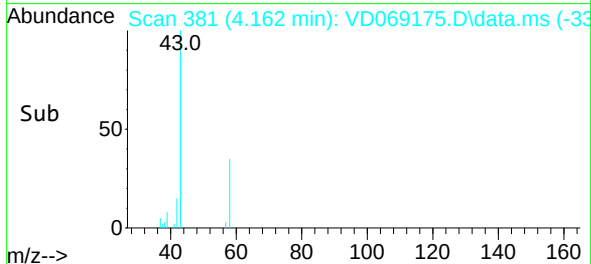
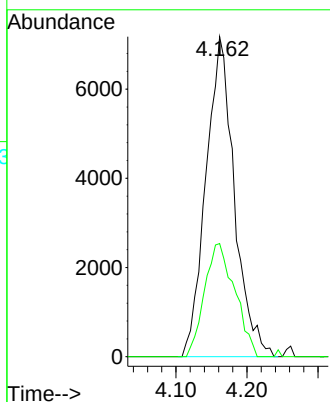
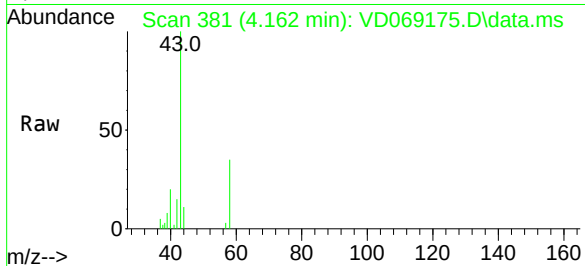




#16
Acetone
Concen: 71.69 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

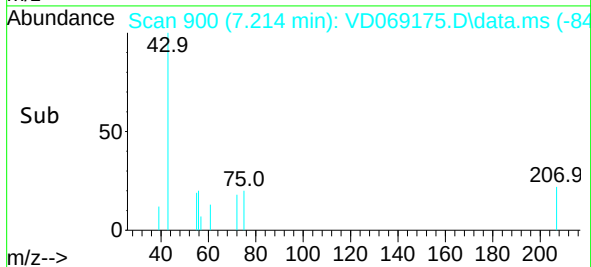
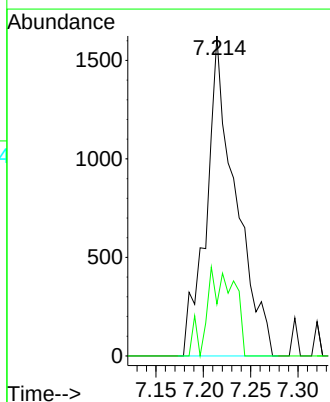
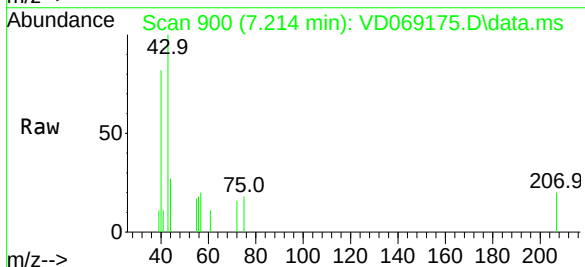
Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-4-6

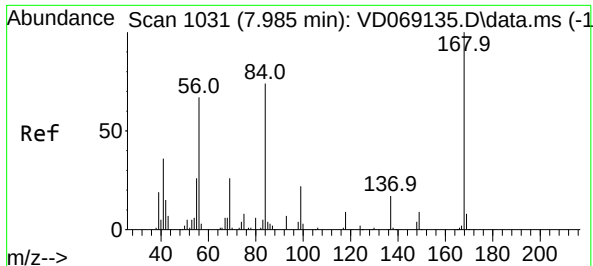
Tgt Ion: 43 Resp: 19916
Ion Ratio Lower Upper
43 100
58 35.3 26.7 40.1



#25
2-Butanone
Concen: 9.26 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

Tgt Ion: 43 Resp: 3484
Ion Ratio Lower Upper
43 100
72 16.2 29.1 43.7#

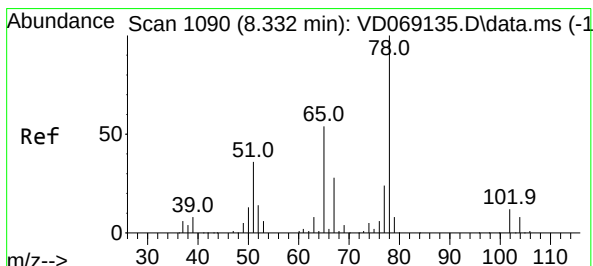
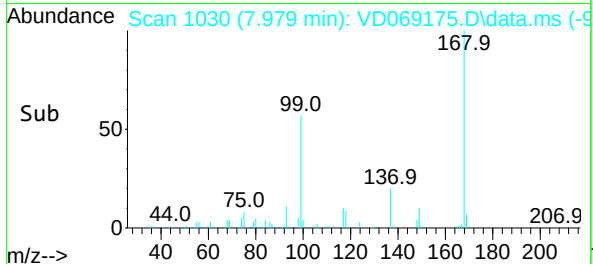
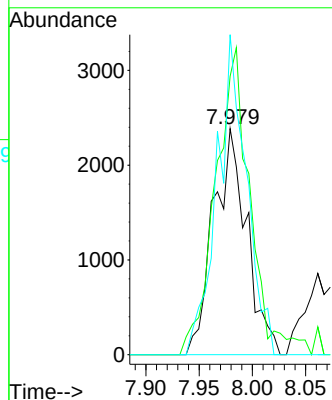
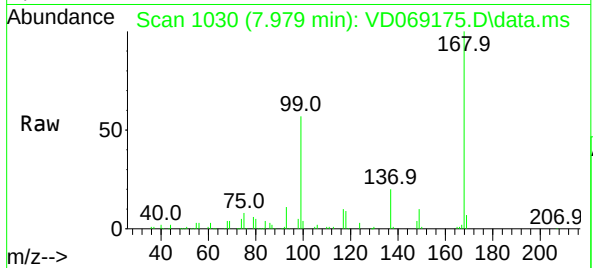




#31
Cyclohexane
Concen: 1.93 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

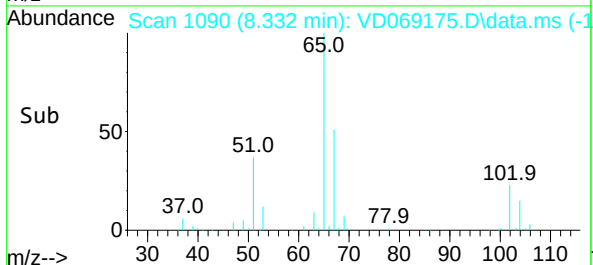
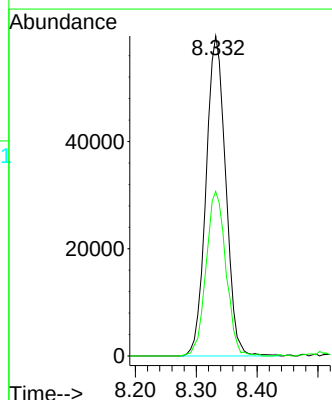
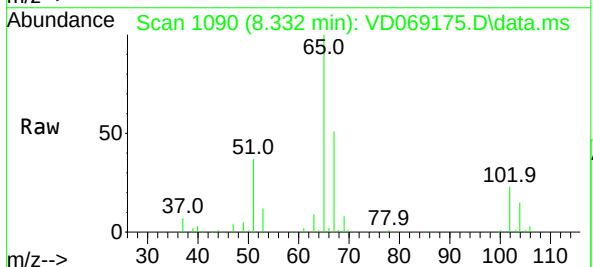
Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-4-6

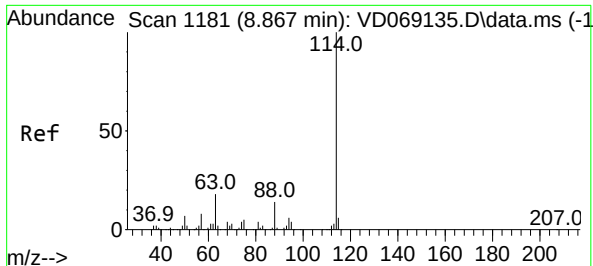
Tgt Ion: 56 Resp: 5180
Ion Ratio Lower Upper
56 100
69 123.1 30.6 46.0#
84 141.5 88.0 132.0#



#33
1,2-Dichloroethane-d4
Concen: 73.63 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

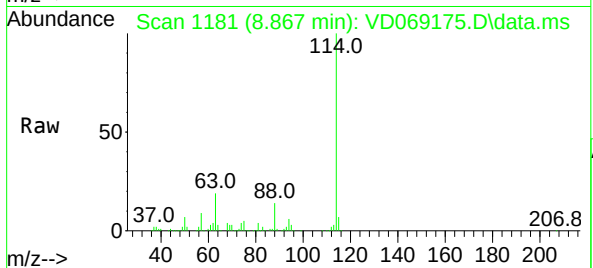
Tgt Ion: 65 Resp: 133558
Ion Ratio Lower Upper
65 100
67 52.1 0.0 108.0



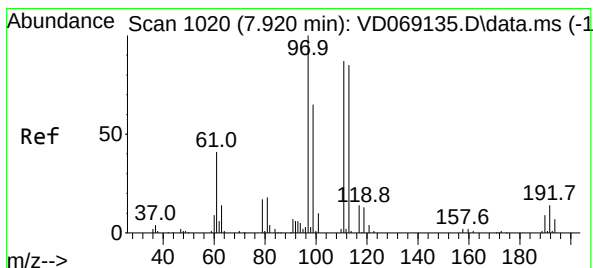
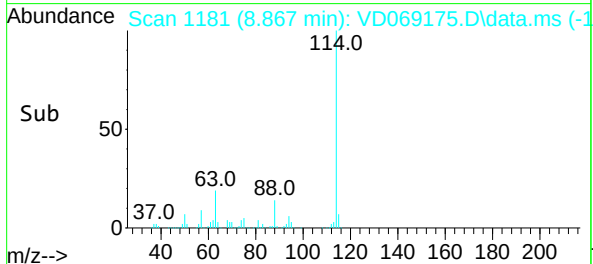
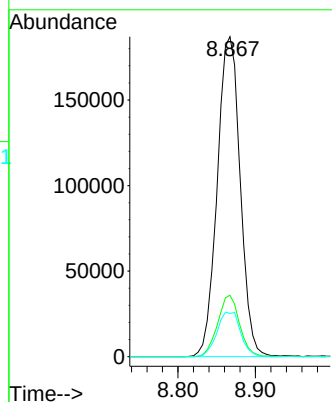


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-4-6

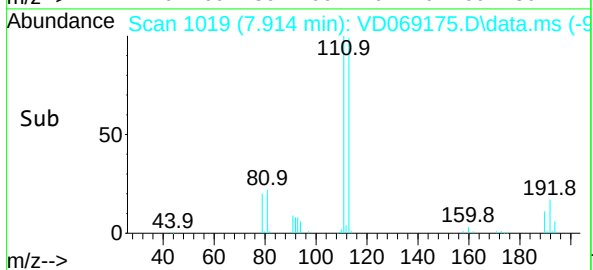
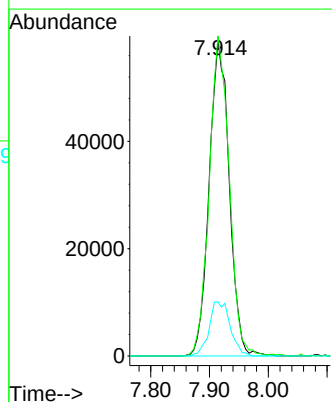
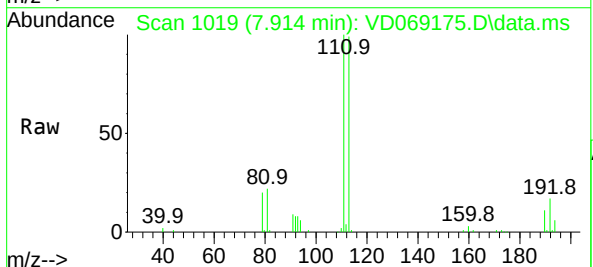


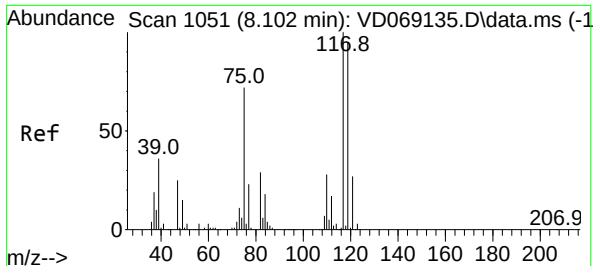
Tgt Ion:114 Resp: 385617
Ion Ratio Lower Upper
114 100
63 19.2 0.0 36.4
88 13.5 0.0 28.2



#35
Dibromofluoromethane
Concen: 55.47 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

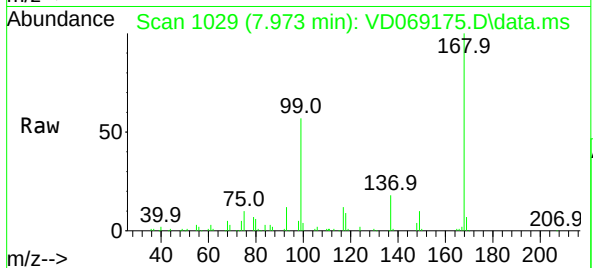
Tgt Ion:113 Resp: 139190
Ion Ratio Lower Upper
113 100
111 101.3 80.6 120.8
192 18.1 14.8 22.2



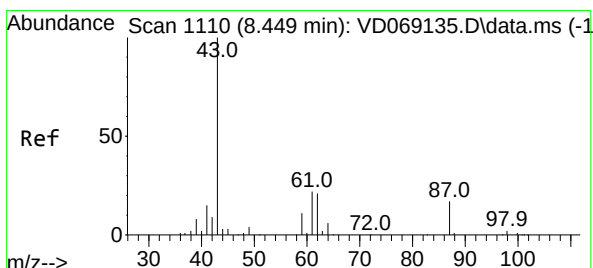
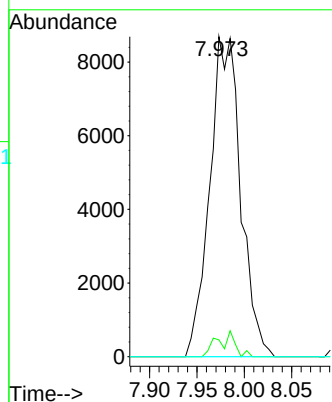
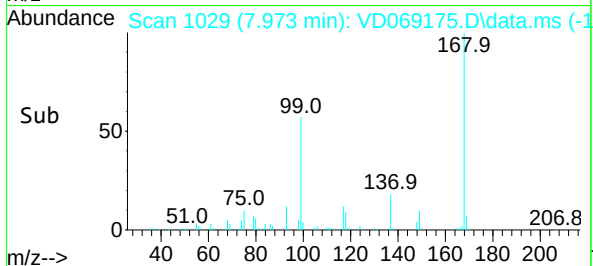


#38
Carbon Tetrachloride
Concen: 4.70 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.129 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

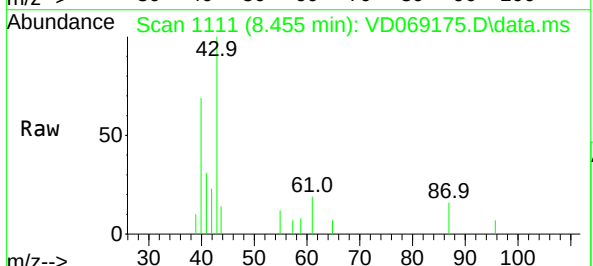
Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-4-6



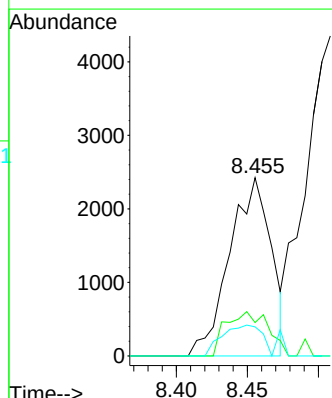
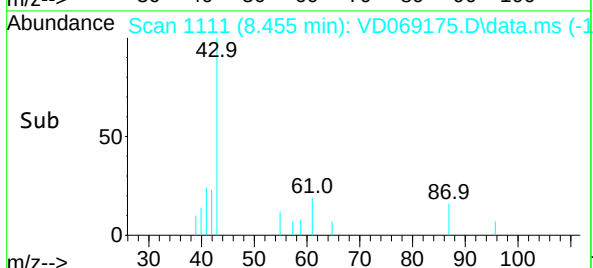
Tgt Ion: 117 Resp: 19711
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 21.9 32.9#

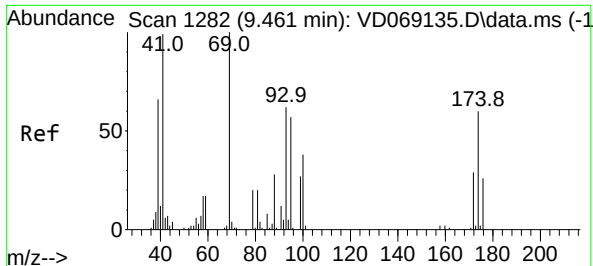


#43
Isopropyl Acetate
Concen: 2.25 ug/l
RT: 8.455 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30



Tgt Ion: 43 Resp: 4931
Ion Ratio Lower Upper
43 100
61 25.2 28.6 42.8#
87 16.6 13.8 20.8





#48

Methyl methacrylate

Concen: 1.13 ug/l

RT: 9.479 min Scan# 1285

Delta R.T. 0.018 min

Lab File: VD069175.D

Acq: 14 May 2021 14:30

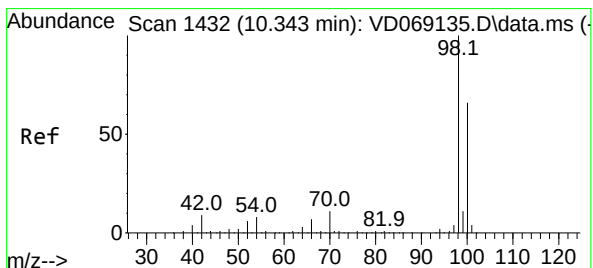
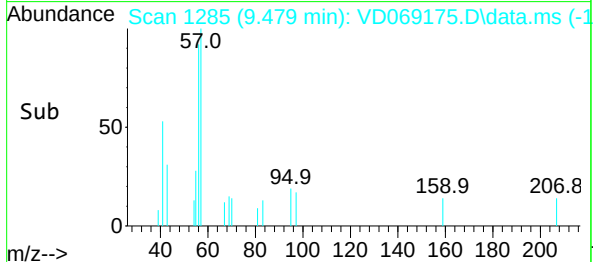
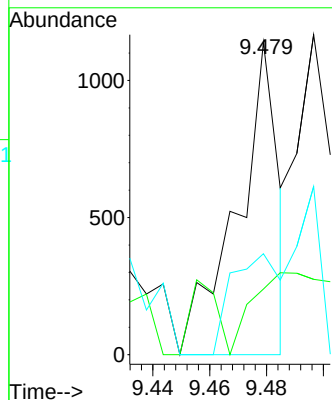
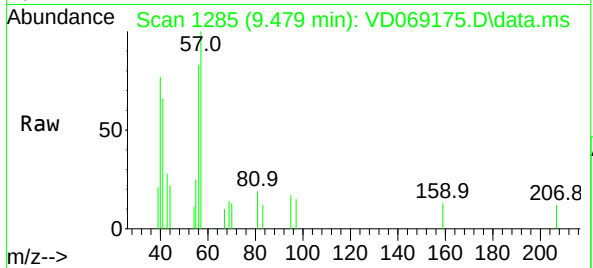
Tgt Ion: 41 Resp: 1148

Ion Ratio Lower Upper

41 100

69 53.4 88.0 132.0#

39 69.4 51.4 77.0



#50

Toluene-d8

Concen: 46.06 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.006 min

Lab File: VD069175.D

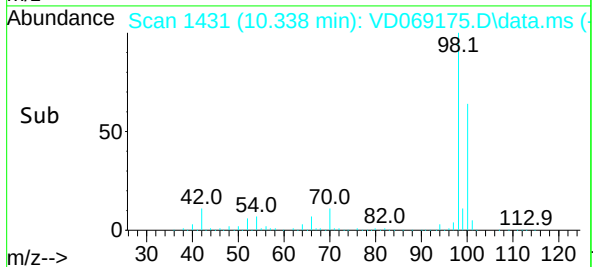
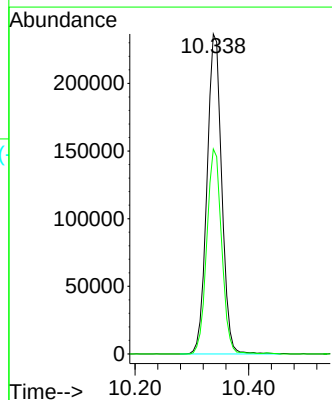
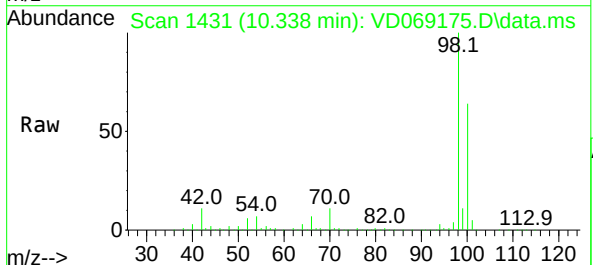
Acq: 14 May 2021 14:30

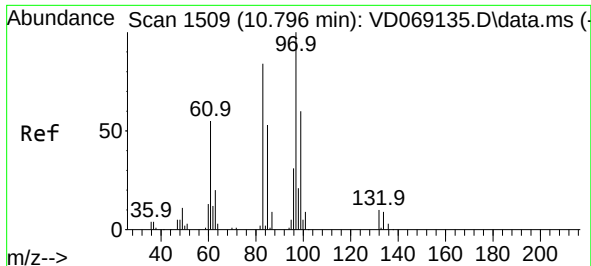
Tgt Ion: 98 Resp: 424678

Ion Ratio Lower Upper

98 100

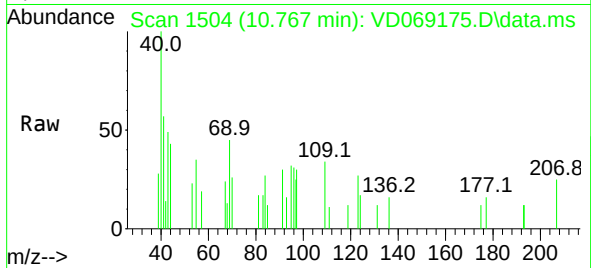
100 64.3 51.8 77.8



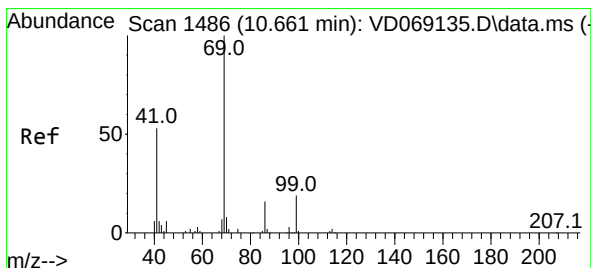
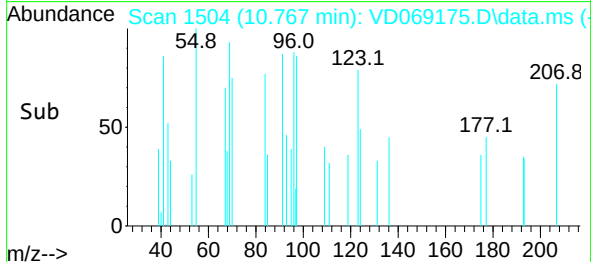
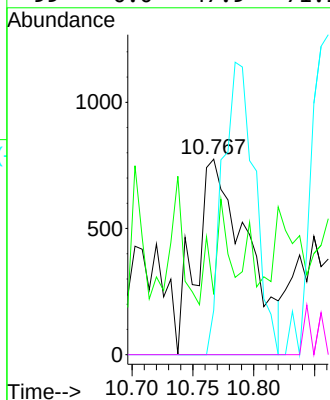


#55
1,1,2-Trichloroethane
Concen: 1.08 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.029 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-4-6

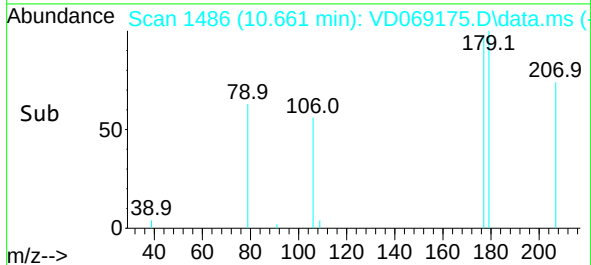
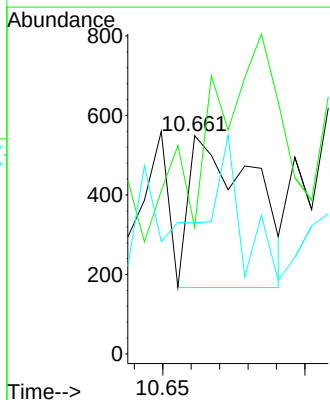
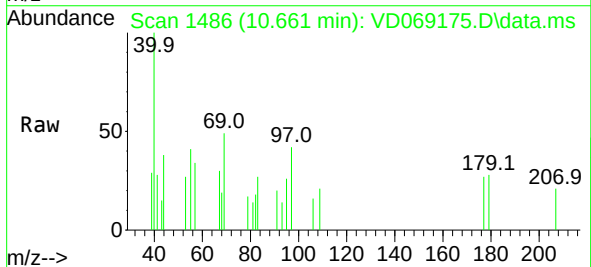


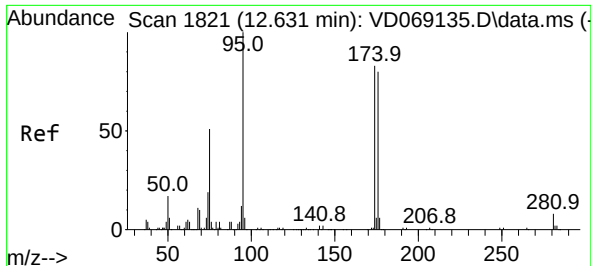
Tgt Ion:	97	Resp:	2210
Ion	Ratio	Lower	Upper
97	100		
83	0.0	66.9	100.3#
85	22.7	42.2	63.4#
99	0.0	47.9	71.9#



#56
Ethyl methacrylate
Concen: 1.58 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

Tgt Ion:	69	Resp:	598
Ion	Ratio	Lower	Upper
69	100		
41	0.0	42.2	63.2#
39	0.0	26.3	39.5#

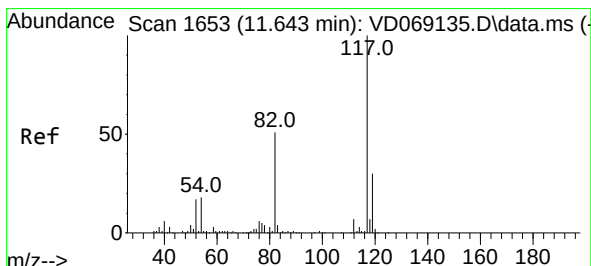
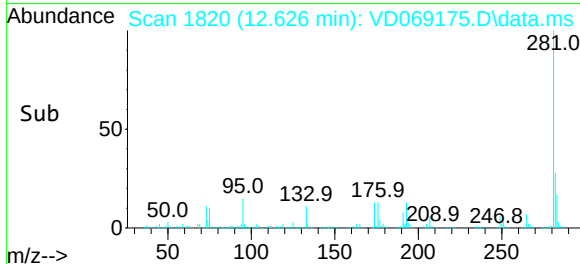
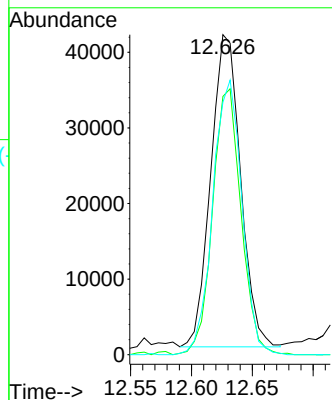
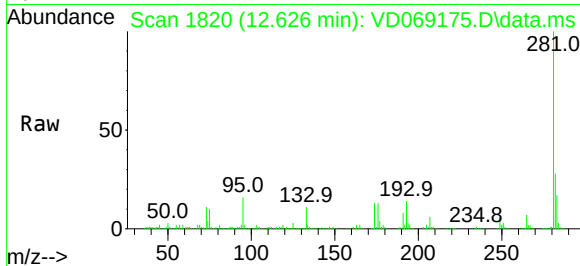




#62
4-Bromofluorobenzene
Concen: 23.71 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

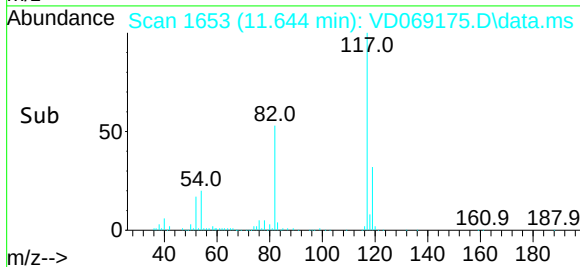
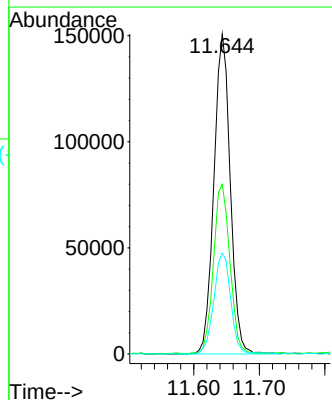
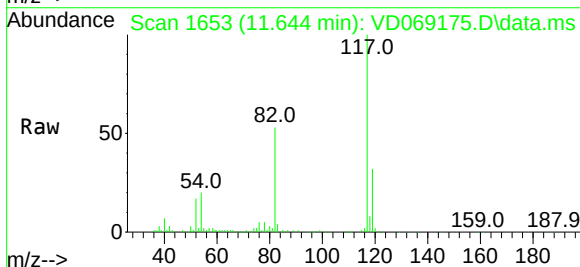
Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-4-6

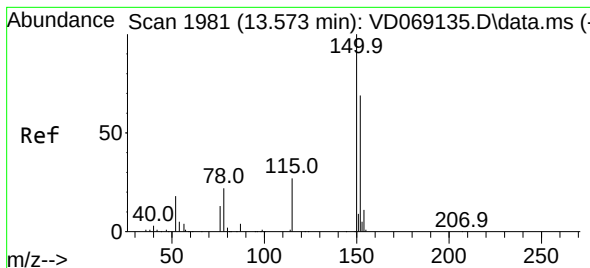
Tgt Ion: 95 Resp: 70353
Ion Ratio Lower Upper
95 100
174 81.4 0.0 171.8
176 86.0 0.0 165.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

Tgt Ion:117 Resp: 261419
Ion Ratio Lower Upper
117 100
82 52.8 40.5 60.7
119 31.5 24.2 36.4

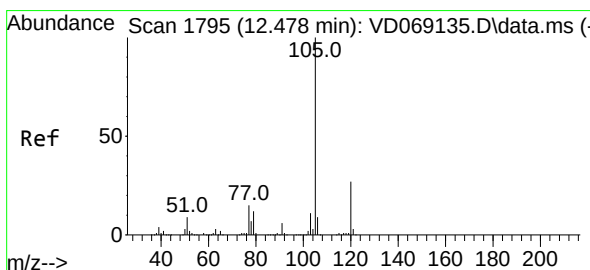
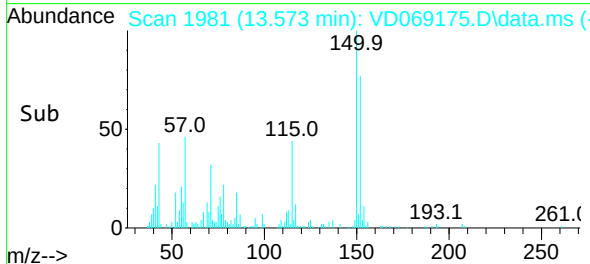
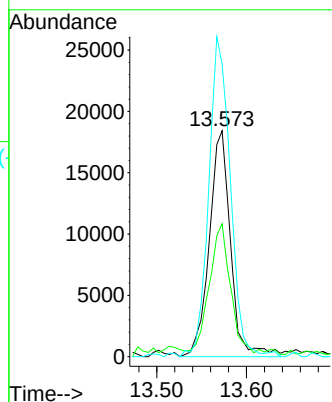
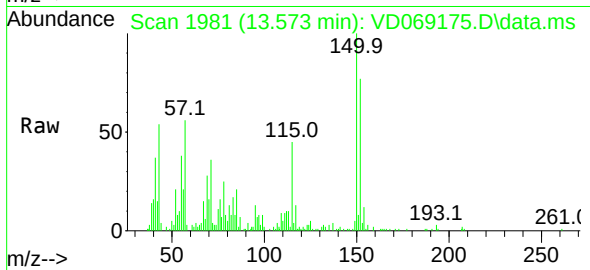




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

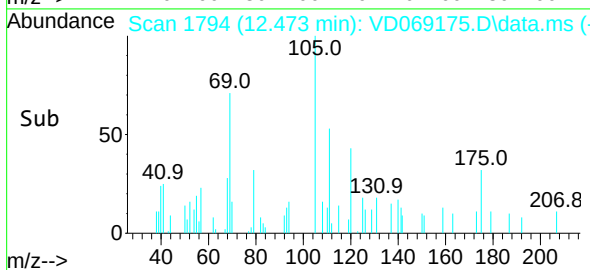
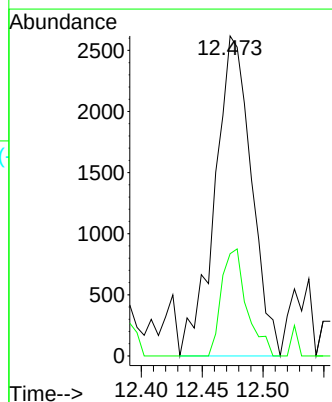
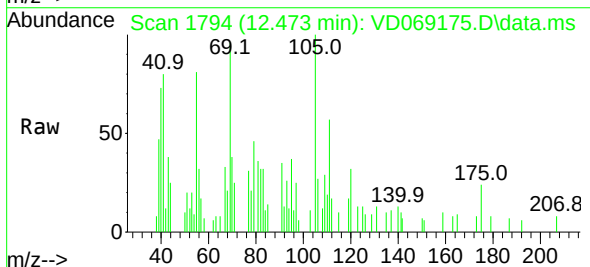
Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-4-6

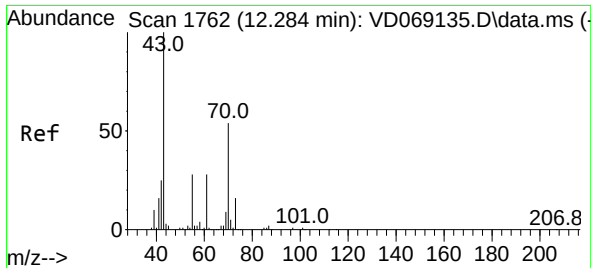
Tgt Ion:152 Resp: 30356
Ion Ratio Lower Upper
152 100
115 55.7 29.9 89.8
150 143.4 0.0 350.2



#73
Isopropylbenzene
Concen: 2.58 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

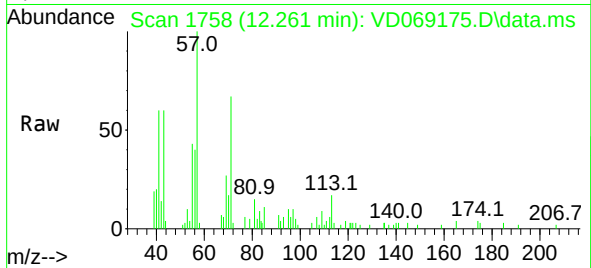
Tgt Ion:105 Resp: 5475
Ion Ratio Lower Upper
105 100
120 23.1 13.4 40.2



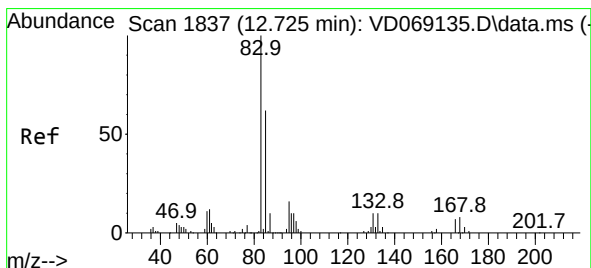
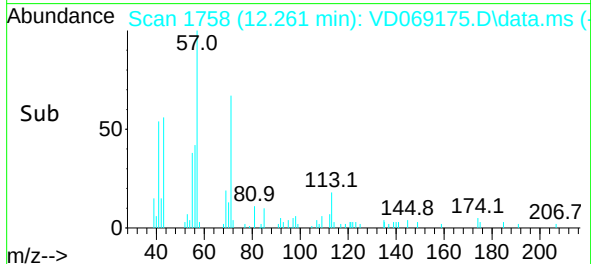
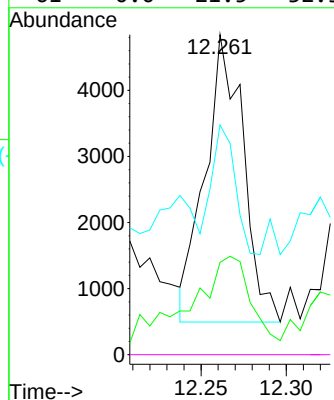


#74
N-amy1 acetate
Concen: 19.50 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.023 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-4-6

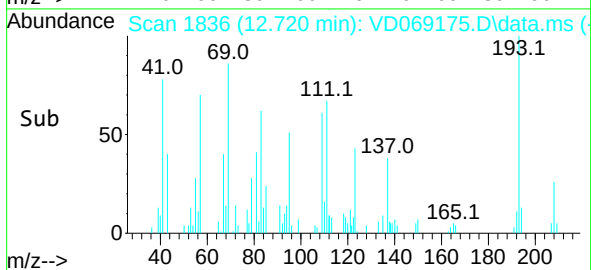
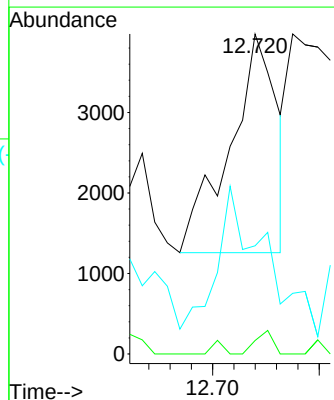
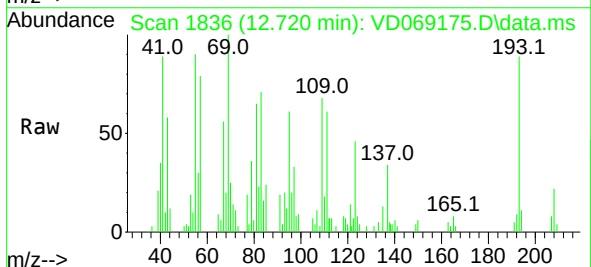


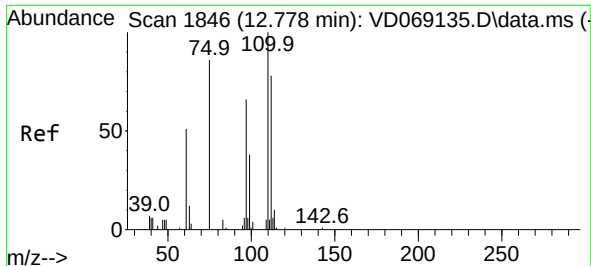
Tgt Ion:	43	Resp:	6766
Ion Ratio	Lower	Upper	
43	100		
70	47.0	41.6	62.4
55	27.3	22.6	34.0
61	0.0	21.5	32.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 10.86 ug/l
RT: 12.720 min Scan# 1836
Delta R.T. -0.006 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

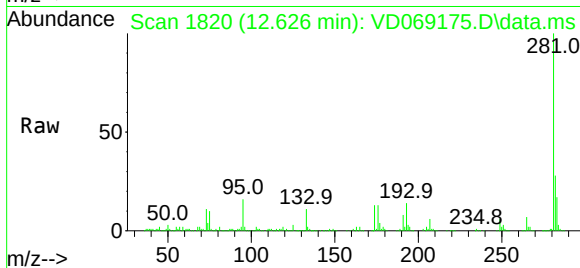
Tgt Ion:	83	Resp:	4174
Ion Ratio	Lower	Upper	
83	100		
131	3.9	5.4	16.2#
85	71.3	31.9	95.5



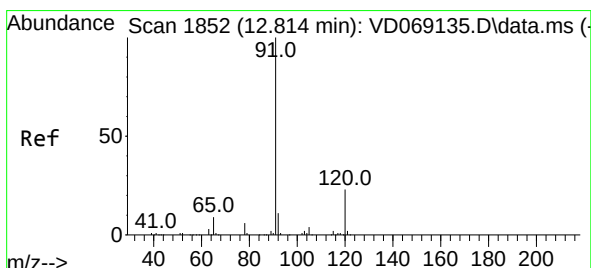
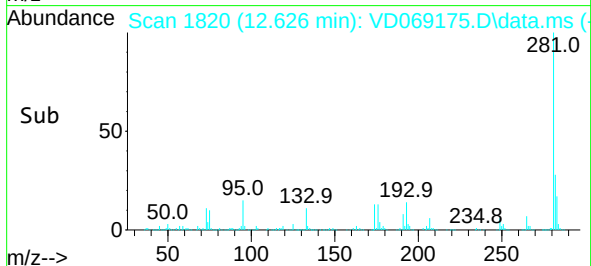
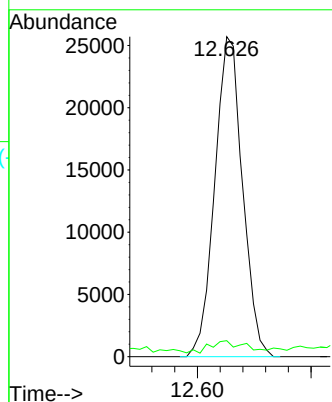


#76
1,2,3-Trichloropropane
Concen: 190.83 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-4-6

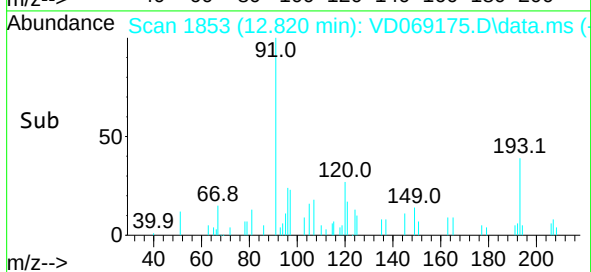
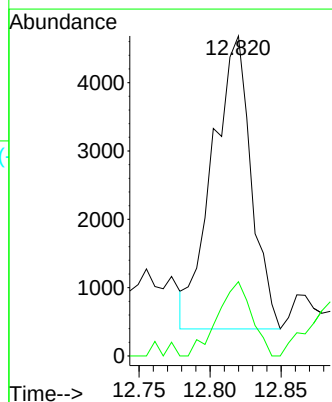
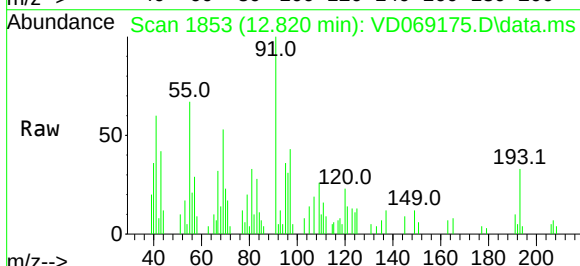


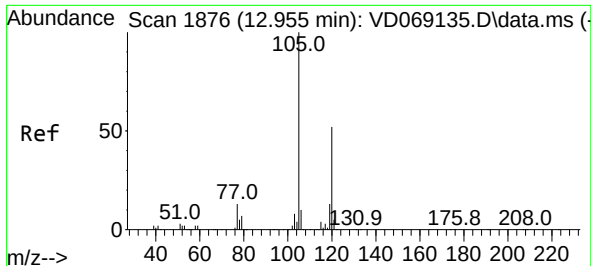
Tgt Ion: 75 Resp: 43544
Ion Ratio Lower Upper
75 100
77 4.8 0.0 0.0#



#78
n-propylbenzene
Concen: 3.18 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

Tgt Ion: 91 Resp: 8149
Ion Ratio Lower Upper
91 100
120 22.2 11.6 34.7

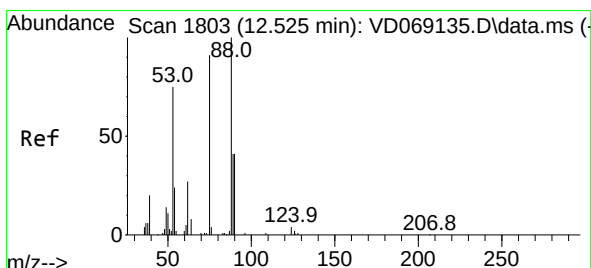
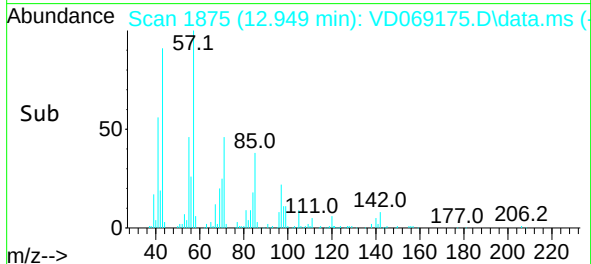
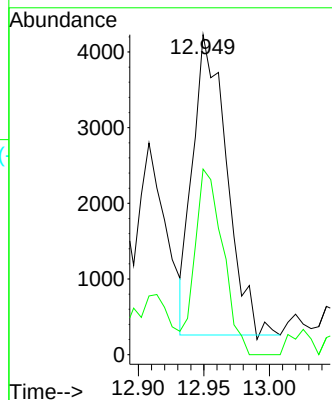
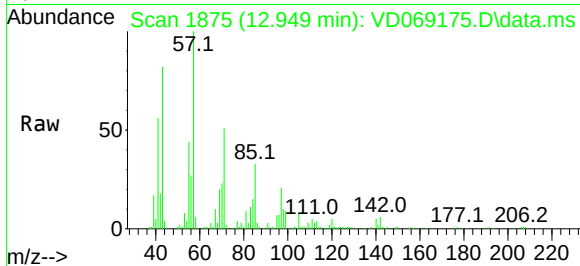




#80
1,3,5-Trimethylbenzene
Concen: 4.07 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

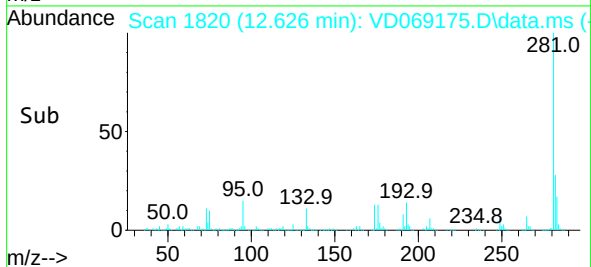
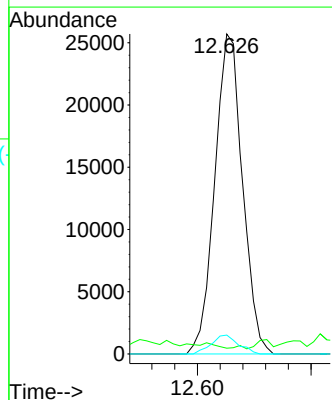
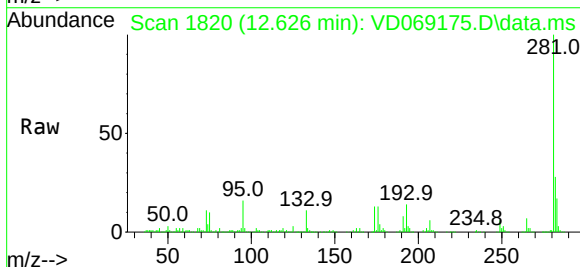
Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-4-6

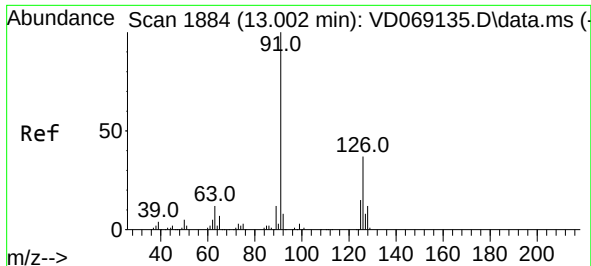
Tgt Ion:105 Resp: 7112
Ion Ratio Lower Upper
105 100
120 50.9 25.3 75.8



#81
trans-1,4-Dichloro-2-butene
Concen: 385.45 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

Tgt Ion: 75 Resp: 43544
Ion Ratio Lower Upper
75 100
53 0.0 70.0 105.0#
89 5.8 40.2 60.2#

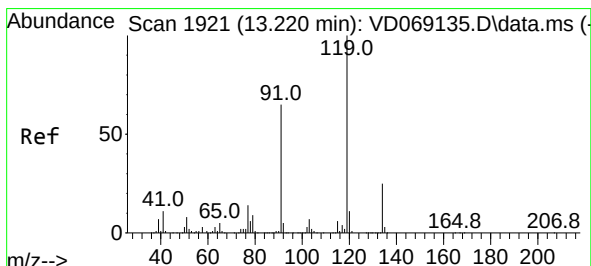
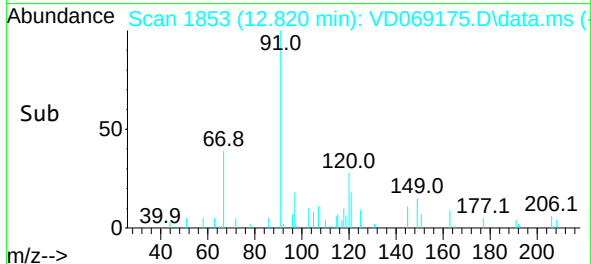
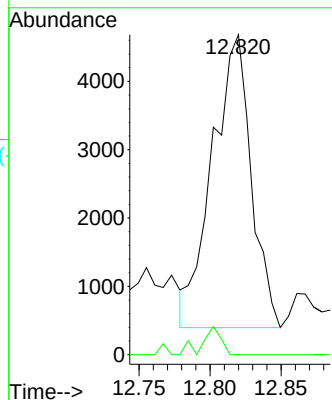
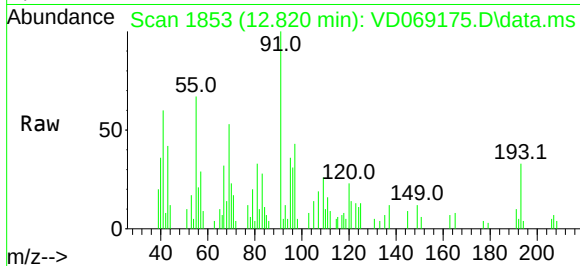




#82
4-Chlorotoluene
Concen: 5.37 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. -0.182 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

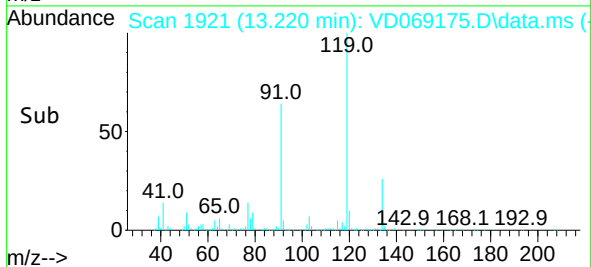
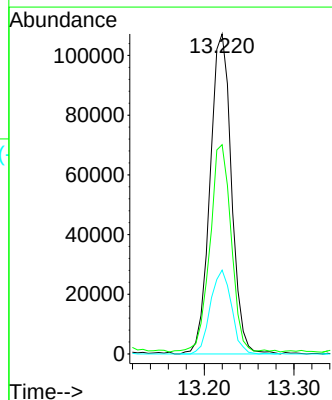
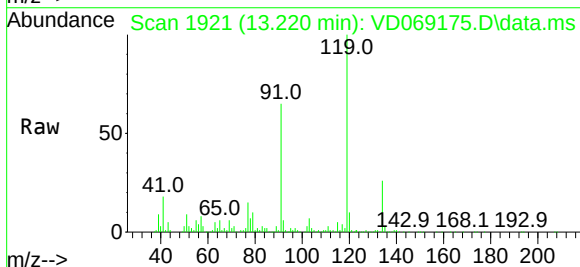
Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-4-6

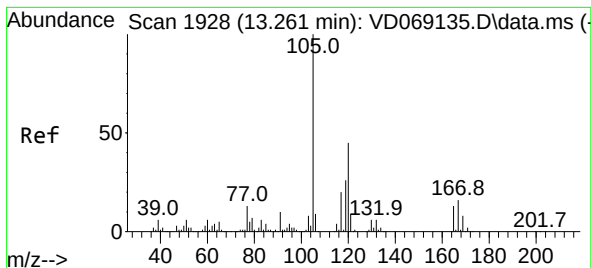
Tgt Ion: 91 Resp: 8149
Ion Ratio Lower Upper
91 100
126 4.6 17.7 53.1#



#83
tert-Butylbenzene
Concen: 121.79 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. 0.000 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

Tgt Ion: 119 Resp: 177535
Ion Ratio Lower Upper
119 100
91 64.5 32.5 97.4
134 25.8 13.8 41.3

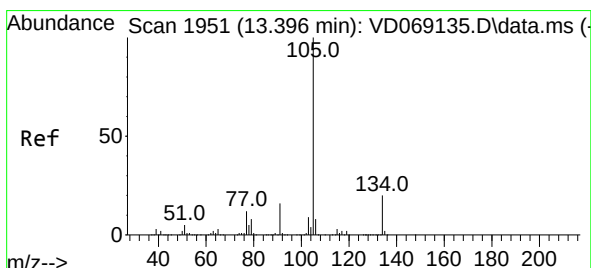
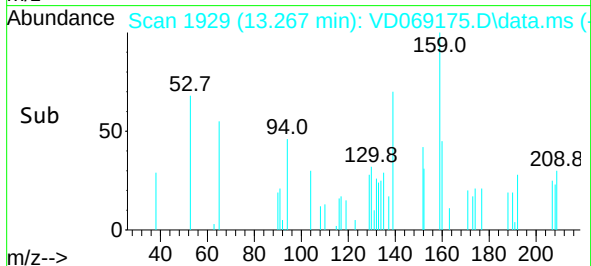
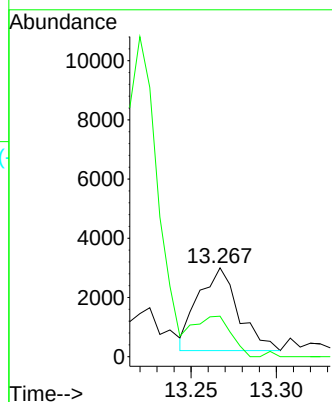
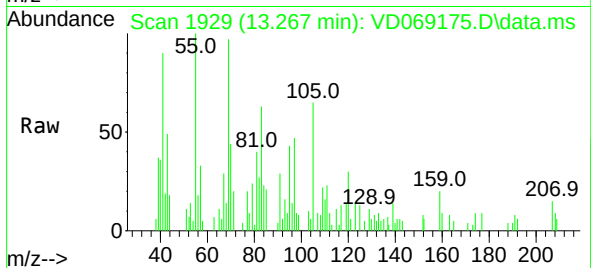




#84
1,2,4-Trimethylbenzene
Concen: 2.61 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.006 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

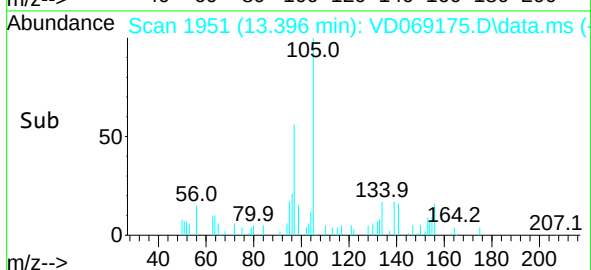
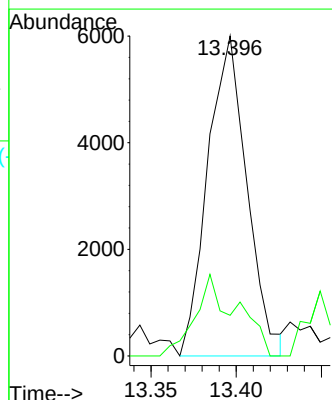
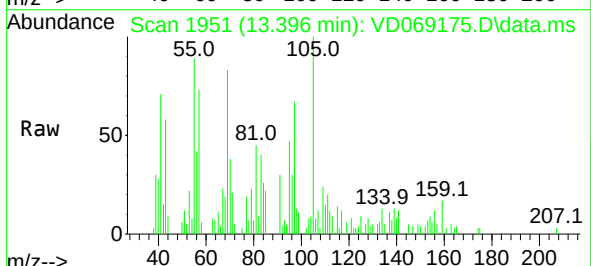
Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-4-6

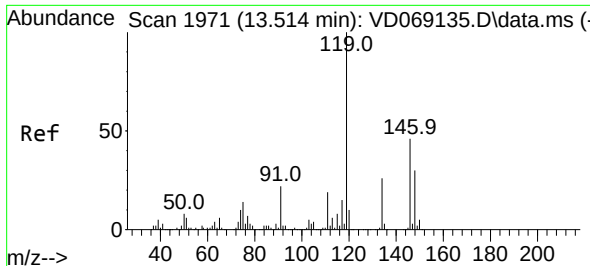
Tgt Ion:105 Resp: 4599
Ion Ratio Lower Upper
105 100
120 38.5 22.8 68.4



#85
sec-Butylbenzene
Concen: 4.38 ug/l
RT: 13.396 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

Tgt Ion:105 Resp: 9600
Ion Ratio Lower Upper
105 100
134 27.0 10.3 30.8

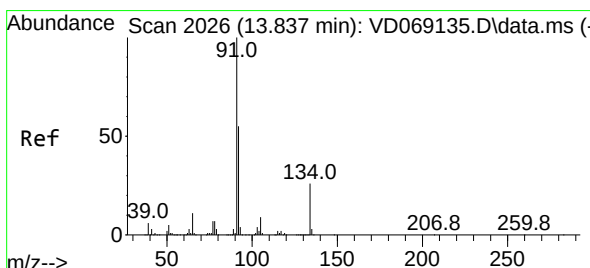
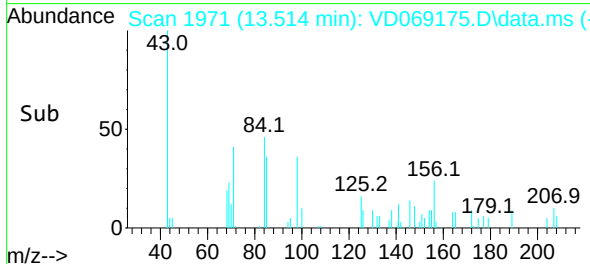
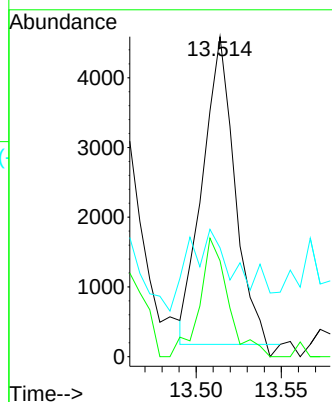
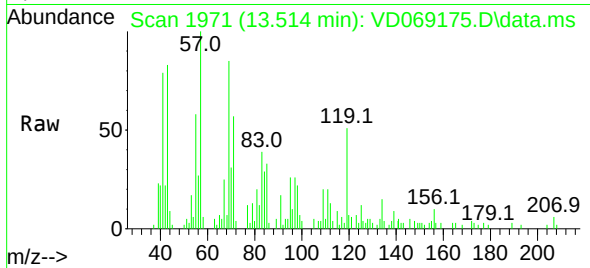




#86
p-Isopropyltoluene
Concen: 2.99 ug/l
RT: 13.514 min Scan# 1971
Delta R.T. 0.000 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

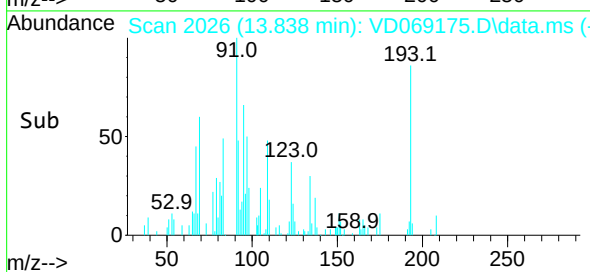
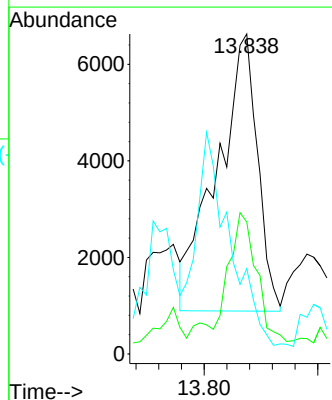
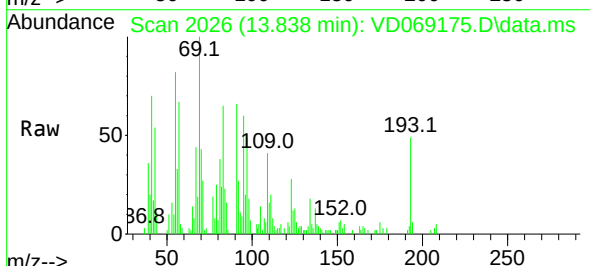
Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-4-6

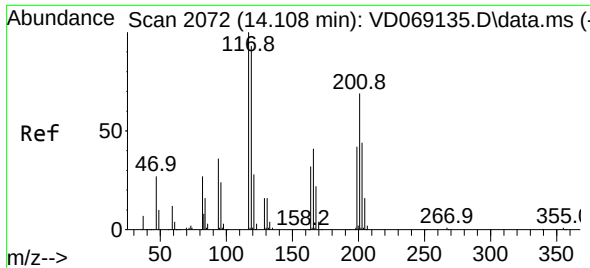
Tgt Ion:	119	Resp:	5758
Ion	Ratio	Lower	Upper
119	100		
134	34.2	13.2	39.5
91	42.3	11.3	33.9#



#89
n-Butylbenzene
Concen: 7.91 ug/l
RT: 13.838 min Scan# 2026
Delta R.T. 0.000 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

Tgt Ion:	91	Resp:	14202
Ion	Ratio	Lower	Upper
91	100		
92	32.2	26.5	79.5
134	0.0	13.0	39.0#

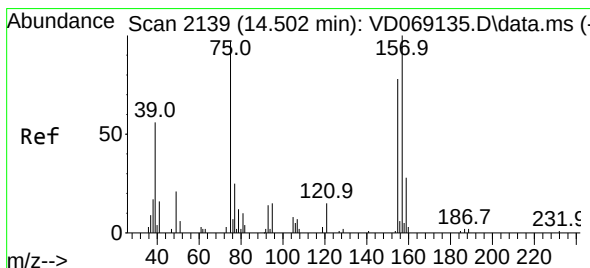
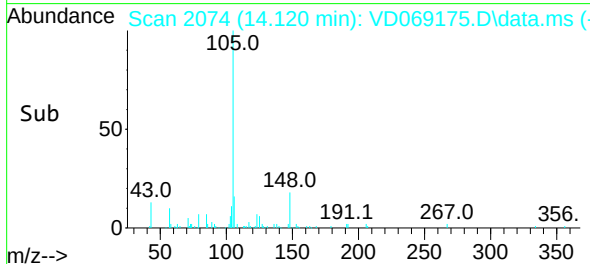
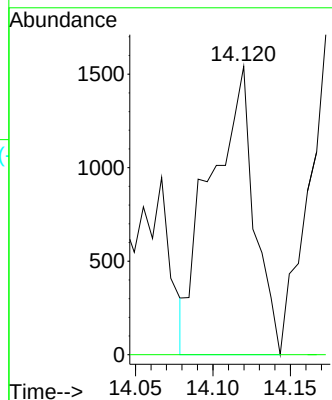
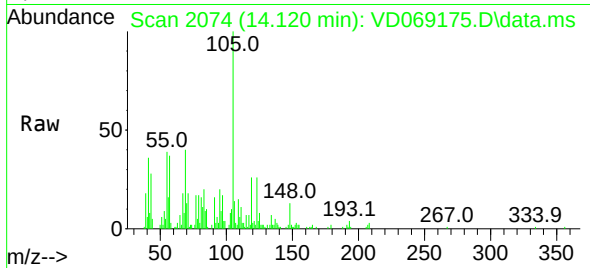




#90
Hexachloroethane
Concen: 8.34 ug/l
RT: 14.120 min Scan# 2074
Delta R.T. 0.012 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

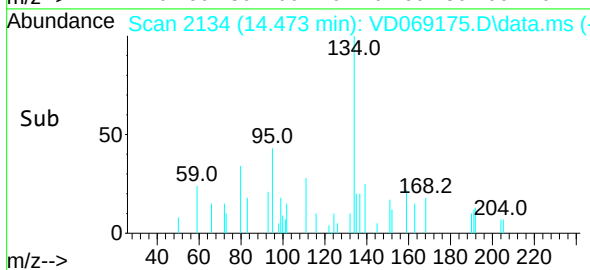
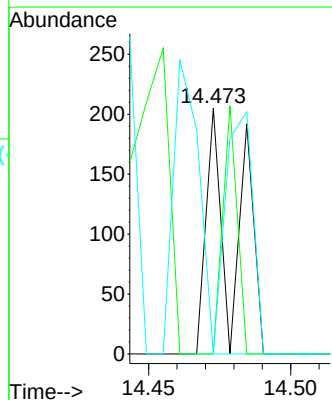
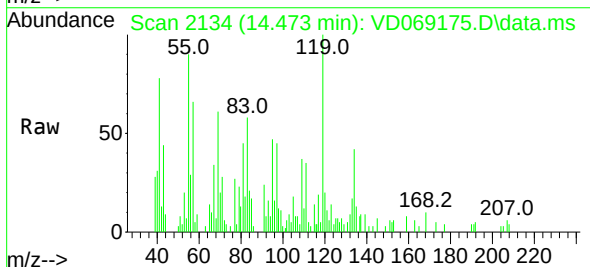
Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-4-6

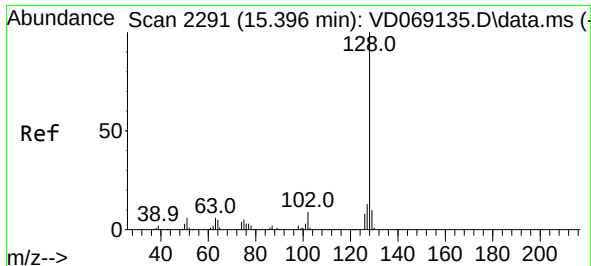
Tgt Ion:117 Resp: 3009
Ion Ratio Lower Upper
117 100
201 0.0 35.4 106.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.35 ug/l
RT: 14.473 min Scan# 2134
Delta R.T. -0.029 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

Tgt Ion: 75 Resp: 140
Ion Ratio Lower Upper
75 100
155 52.1 43.9 131.7
157 96.4 54.9 164.7

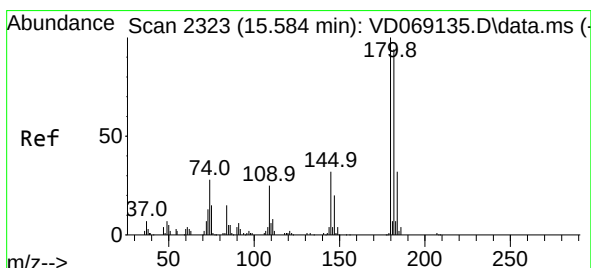
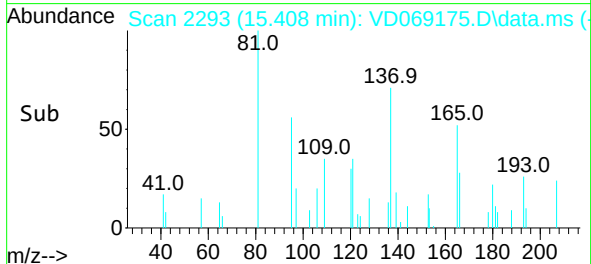
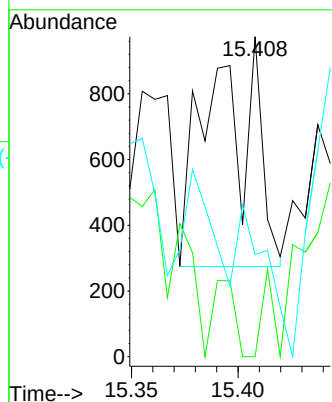
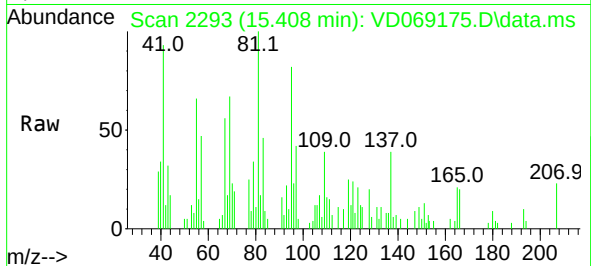




#95
Naphthalene
Concen: 3.11 ug/l
RT: 15.408 min Scan# 2293
Delta R.T. 0.012 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-4-6

Tgt Ion:128 Resp: 1104
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 39.9 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 4.35 ug/l
RT: 15.608 min Scan# 2327
Delta R.T. 0.024 min
Lab File: VD069175.D
Acq: 14 May 2021 14:30

Tgt Ion:180 Resp: 1998
Ion Ratio Lower Upper
180 100
182 15.0 47.8 143.4#
145 0.0 16.1 48.3#

