

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051421\
 Data File : VD069174.D
 Acq On : 14 May 2021 14:02
 Operator : VA/SY
 Sample : M2389-05
 Misc : 7.70G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CASINO-AVE-1-2

Quant Time: May 15 02:33:53 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)

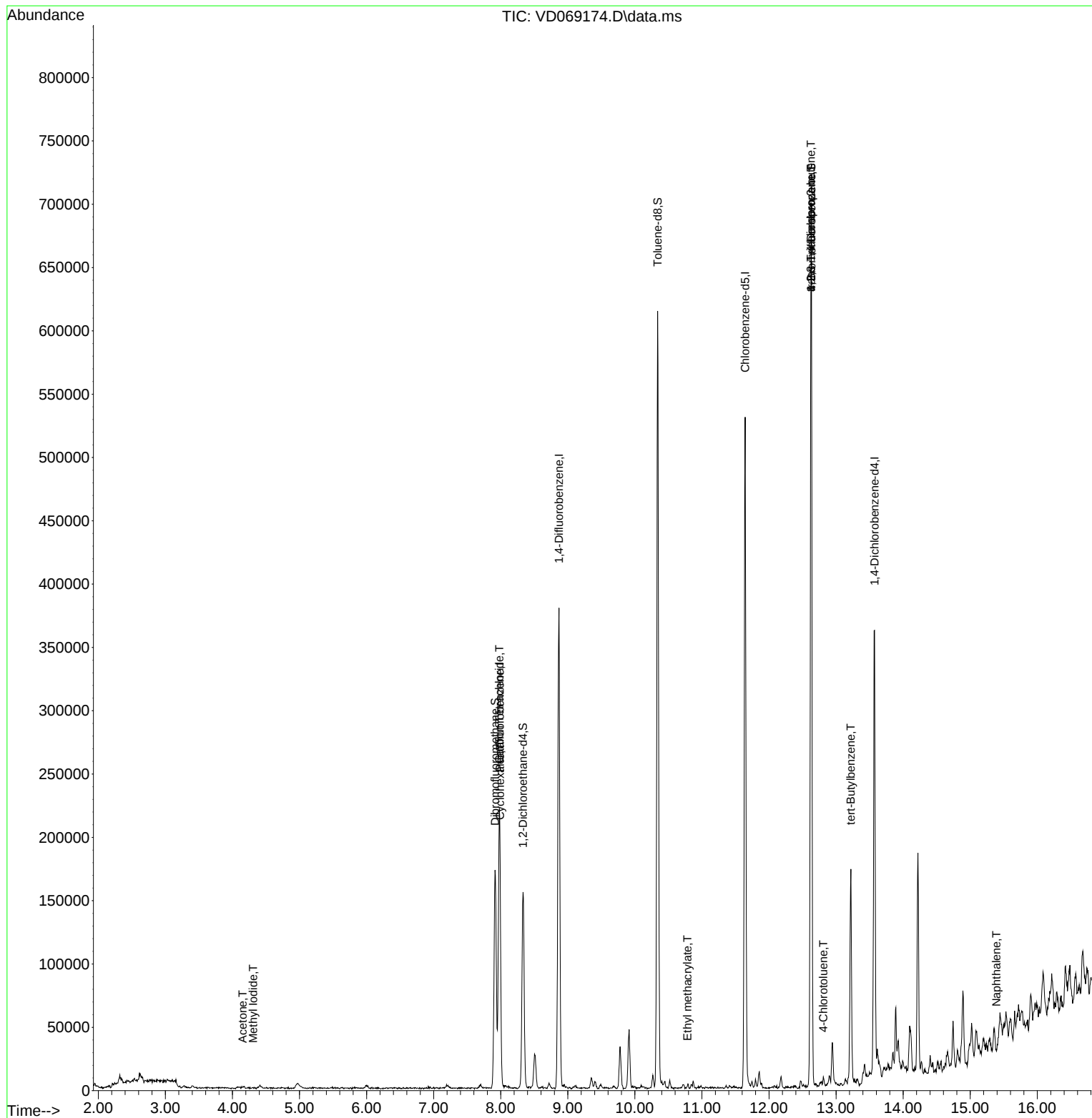
Internal Standards						
1) Pentafluorobenzene	7.985	168	162933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	337486	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	301733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	94283	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	124886	76.46	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 152.92%			
35) Dibromofluoromethane	7.914	113	124415	56.65	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.30%			
50) Toluene-d8	10.338	98	422034	52.30	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.60%			
62) 4-Bromofluorobenzene	12.632	95	120410	46.37	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.74%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	257	1.06	ug/l #	38
11) Tert butyl alcohol	5.215	59	607	Below Cal	#	73
16) Acetone	4.150	43	929	3.71	ug/l	93
20) Methylene Chloride	4.973	84	3134	Below Cal	#	77
31) Cyclohexane	7.991	56	4749	1.96	ug/l #	53
38) Carbon Tetrachloride	7.979	117	16894	4.61	ug/l #	17
56) Ethyl methacrylate	10.785	69	263	1.45	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	65304	92.14	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	65304	186.12	ug/l #	14
82) 4-Chlorotoluene	12.808	91	5884	1.25	ug/l #	39
83) tert-Butylbenzene	13.220	119	75975	16.78	ug/l	97
95) Naphthalene	15.390	128	1622	2.55	ug/l #	89

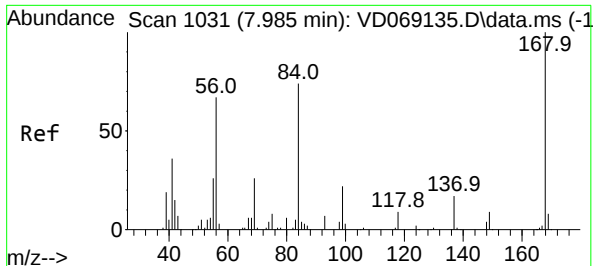
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 13 04:01:29 2021
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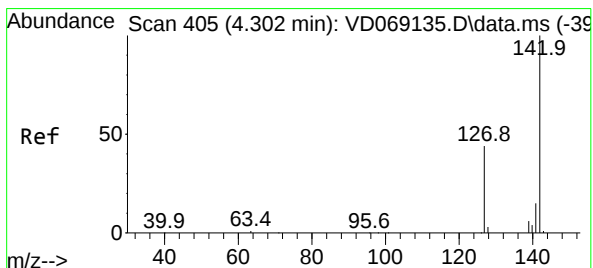
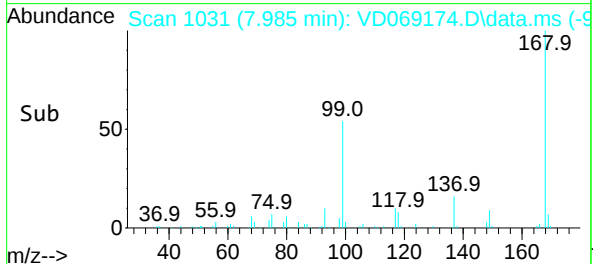
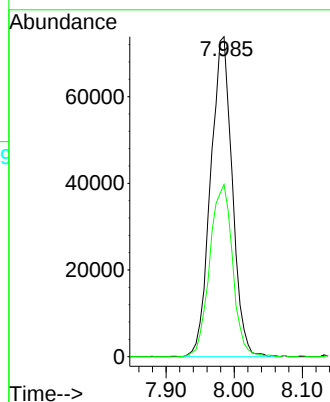
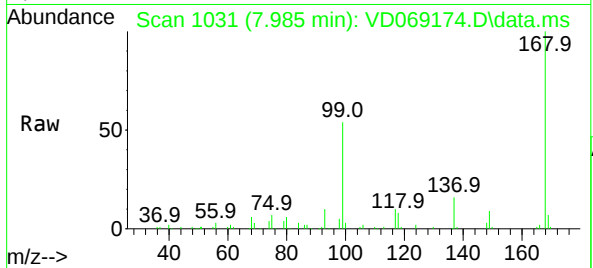




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069174.D
Acq: 14 May 2021 14:02

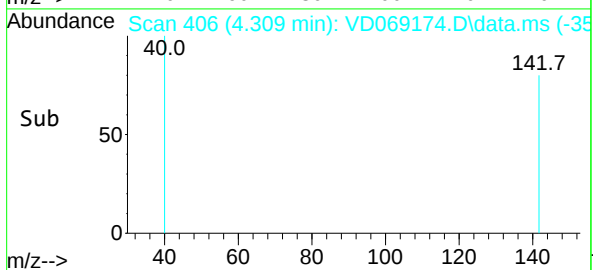
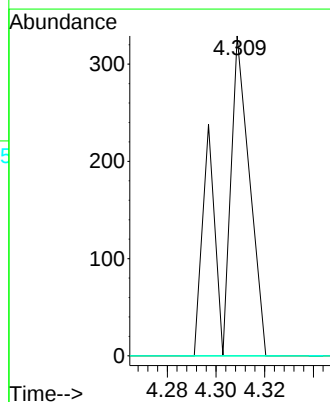
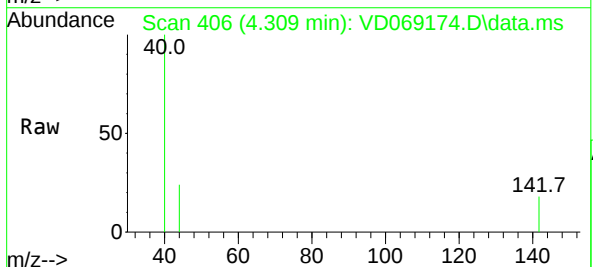
Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-1-2

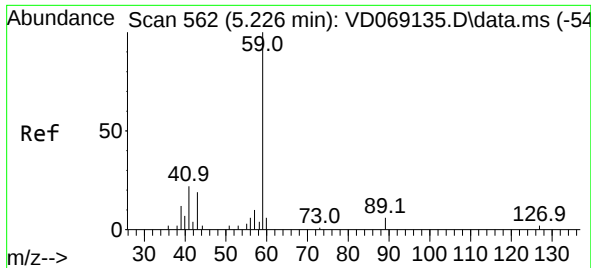
Tgt Ion:168 Resp: 162933
Ion Ratio Lower Upper
168 100
99 53.8 47.2 70.8



#10
Methyl Iodide
Concen: 1.06 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.007 min
Lab File: VD069174.D
Acq: 14 May 2021 14:02

Tgt Ion:142 Resp: 257
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 12.2 18.4#

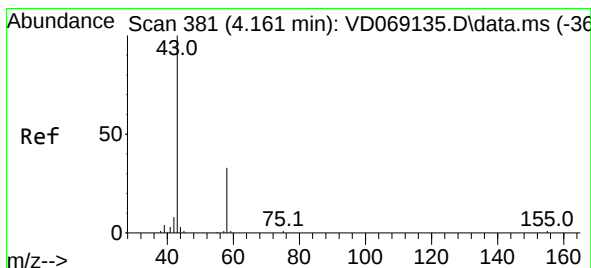
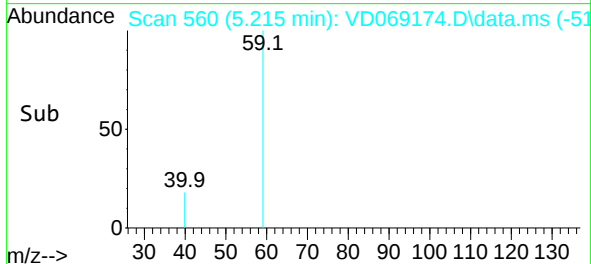
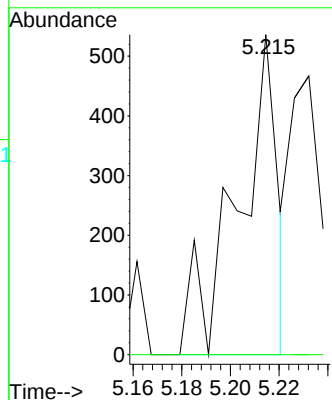
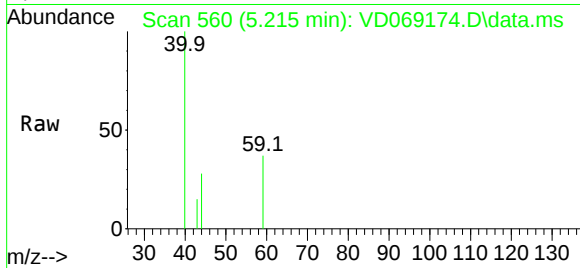




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.215 min Scan# 560
Delta R.T. -0.011 min
Lab File: VD069174.D
Acq: 14 May 2021 14:02

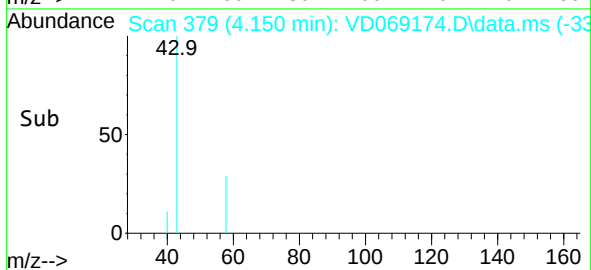
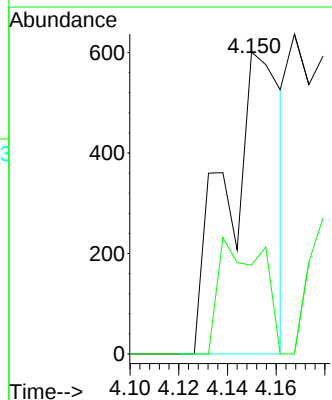
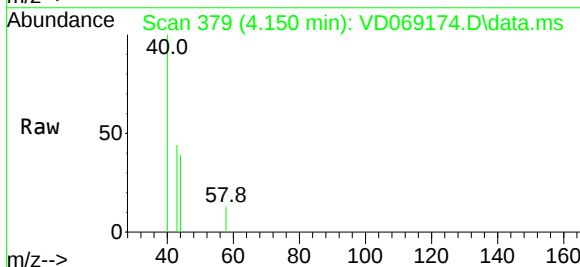
Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-1-2

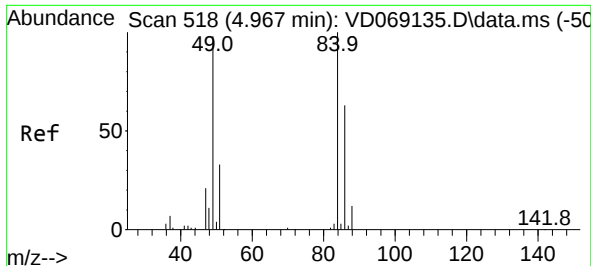
Tgt Ion: 59 Resp: 607
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 3.71 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.011 min
Lab File: VD069174.D
Acq: 14 May 2021 14:02

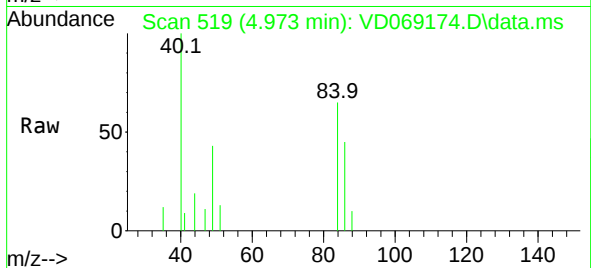
Tgt Ion: 43 Resp: 929
Ion Ratio Lower Upper
43 100
58 29.5 26.7 40.1



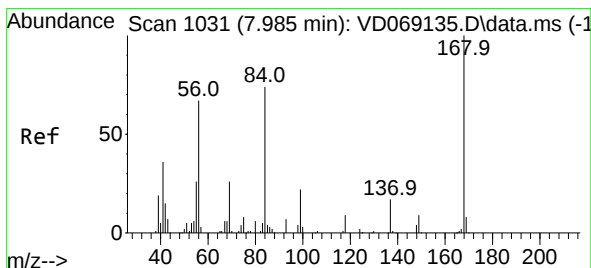
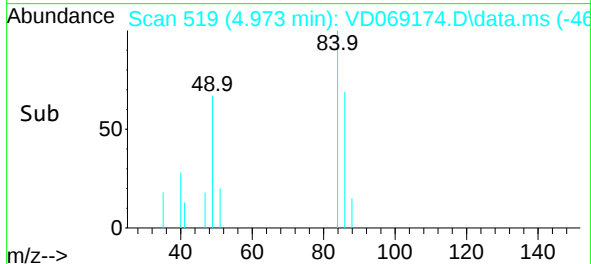
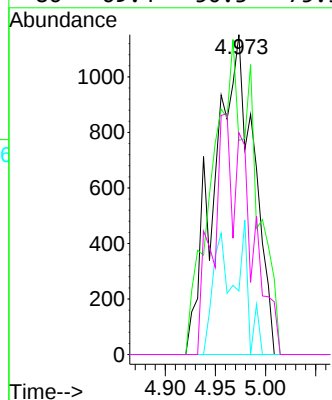


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.006 min
Lab File: VD069174.D
Acq: 14 May 2021 14:02

Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-1-2

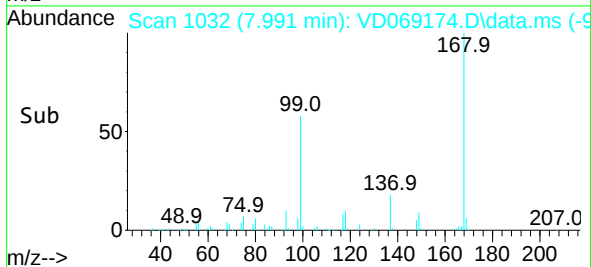
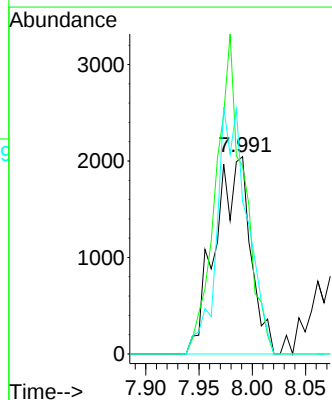
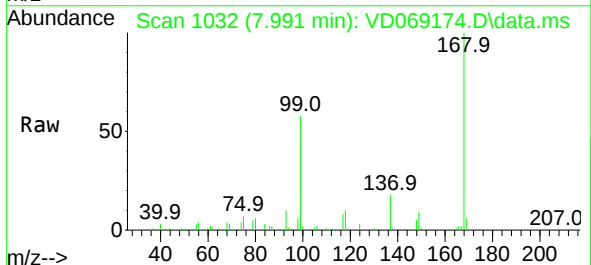


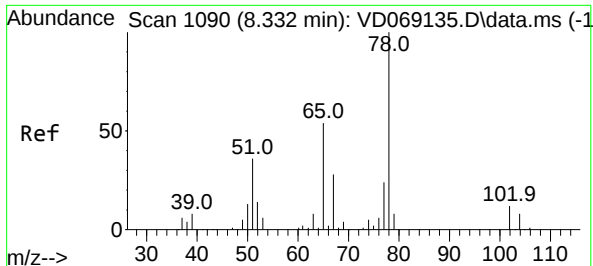
Tgt Ion:	84	Resp:	3134
Ion	Ratio	Lower	Upper
84	100		
49	66.9	78.6	117.8#
51	19.9	26.7	40.1#
86	69.4	50.3	75.5



#31
Cyclohexane
Concen: 1.96 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VD069174.D
Acq: 14 May 2021 14:02

Tgt Ion:	56	Resp:	4749
Ion	Ratio	Lower	Upper
56	100		
69	95.3	30.6	46.0#
84	77.2	88.0	132.0#

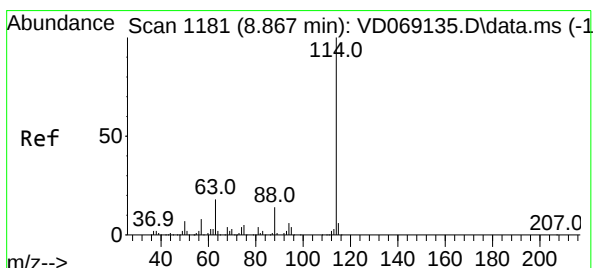
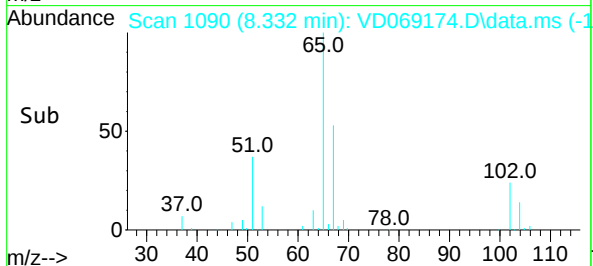
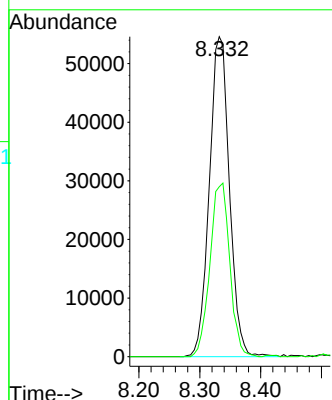
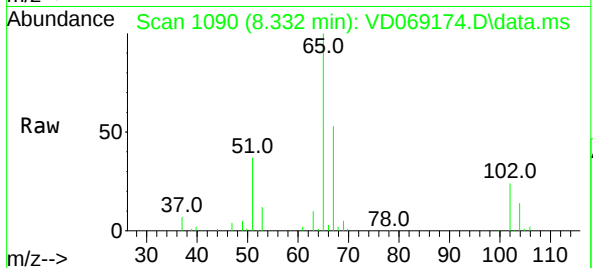




#33
1,2-Dichloroethane-d4
Concen: 76.46 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069174.D
Acq: 14 May 2021 14:02

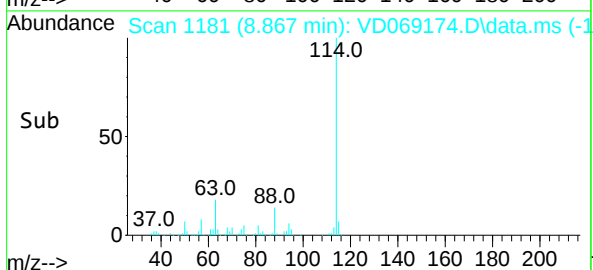
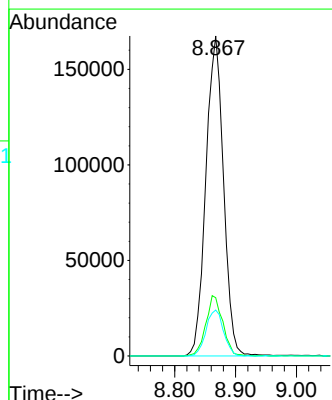
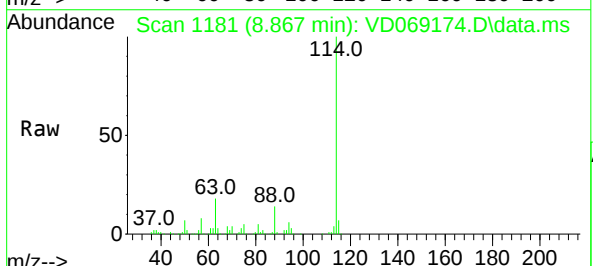
Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-1-2

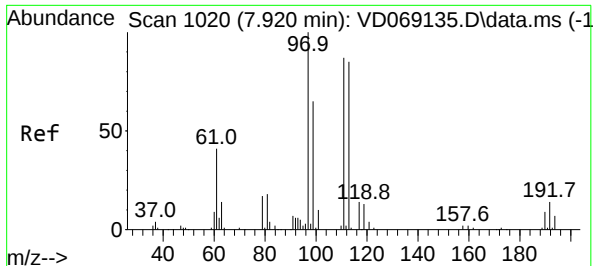
Tgt Ion: 65 Resp: 124886
Ion Ratio Lower Upper
65 100
67 53.5 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069174.D
Acq: 14 May 2021 14:02

Tgt Ion: 114 Resp: 337486
Ion Ratio Lower Upper
114 100
63 18.2 0.0 36.4
88 14.4 0.0 28.2





#35

Dibromofluoromethane

Concen: 56.65 ug/l

RT: 7.914 min Scan# 1019

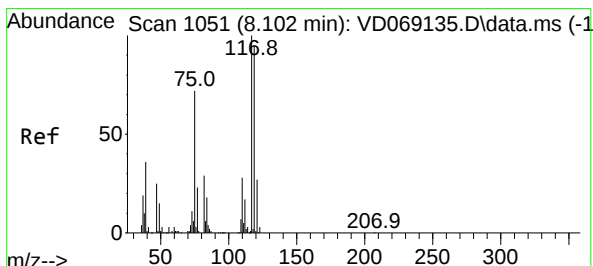
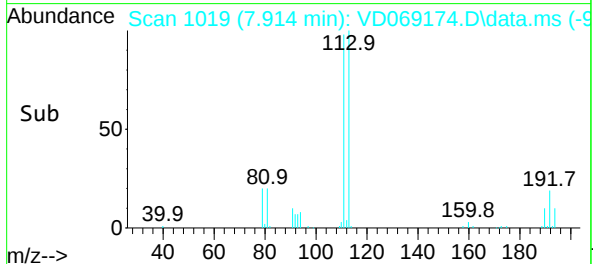
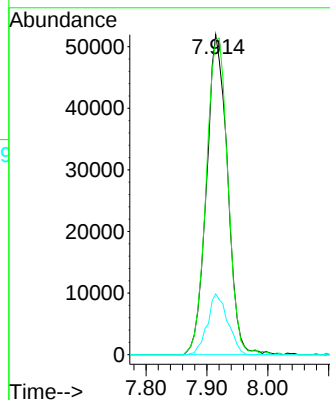
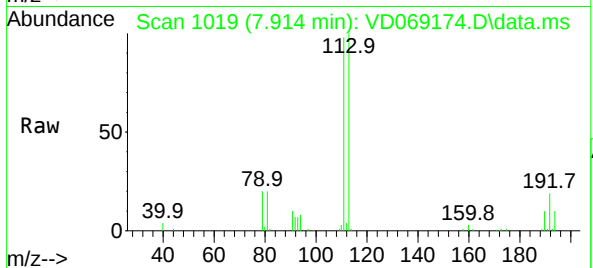
Delta R.T. -0.005 min

Lab File: VD069174.D

Acq: 14 May 2021 14:02

Tgt Ion:	113	Resp:	124415
Ion Ratio	Lower	Upper	
113	100		
111	102.0	80.6	120.8
192	18.4	14.8	22.2

Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-1-2



#38

Carbon Tetrachloride

Concen: 4.61 ug/l

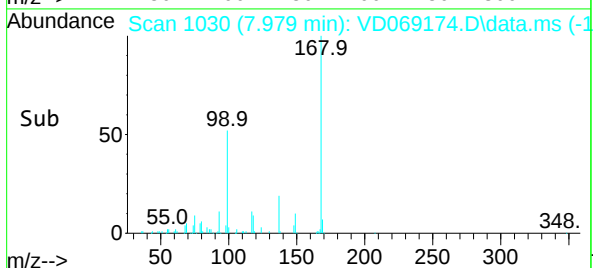
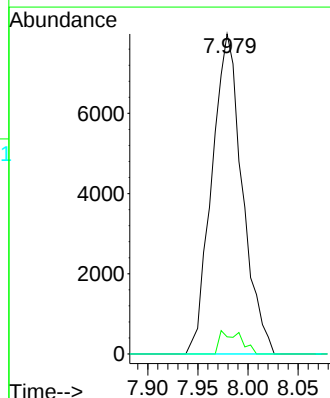
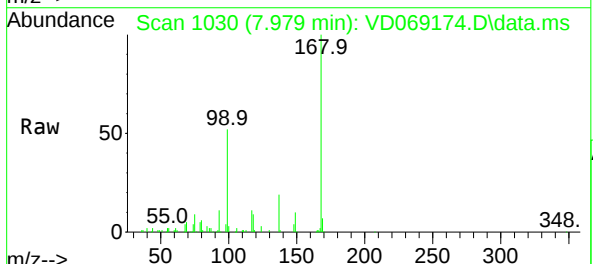
RT: 7.979 min Scan# 1030

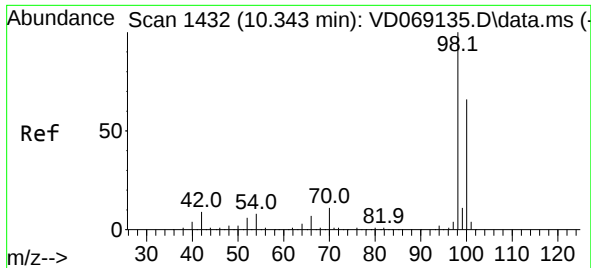
Delta R.T. -0.123 min

Lab File: VD069174.D

Acq: 14 May 2021 14:02

Tgt Ion:	117	Resp:	16894
Ion Ratio	Lower	Upper	
117	100		
119	5.4	76.2	114.2#
121	0.0	21.9	32.9#

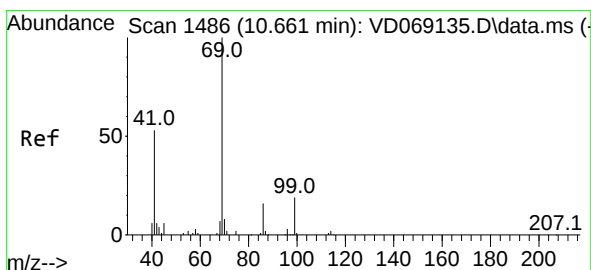
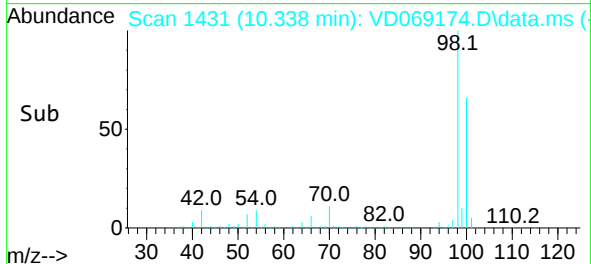
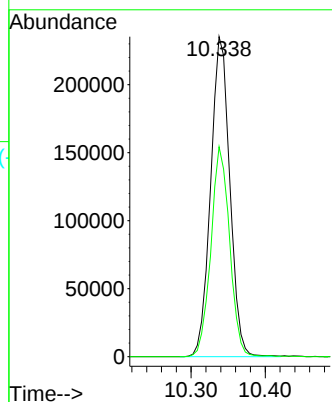
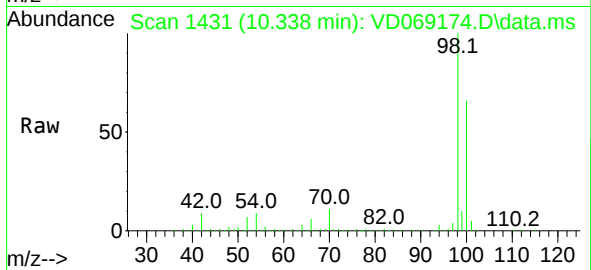




#50
Toluene-d8
Concen: 52.30 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.005 min
Lab File: VD069174.D
Acq: 14 May 2021 14:02

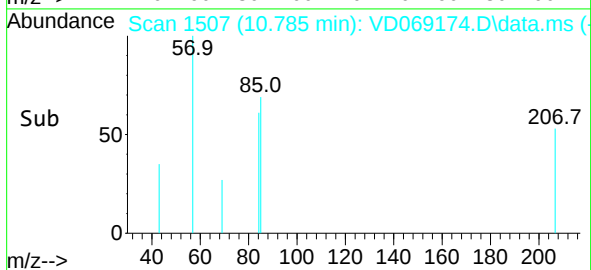
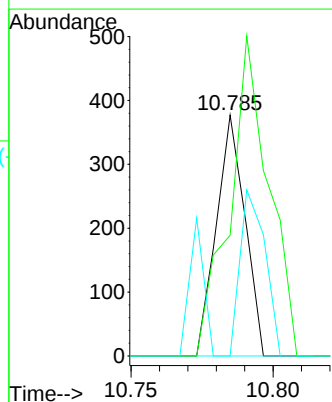
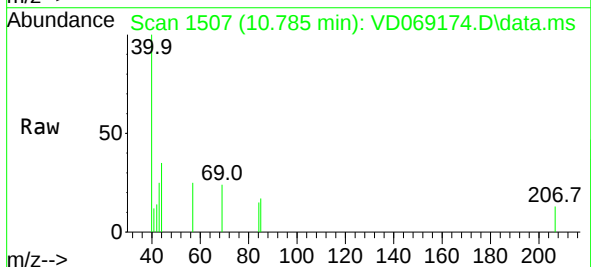
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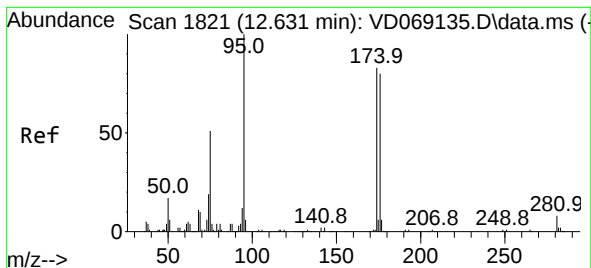
Tgt Ion: 98 Resp: 422034
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8



#56
Ethyl methacrylate
Concen: 1.45 ug/l
RT: 10.785 min Scan# 1507
Delta R.T. 0.124 min
Lab File: VD069174.D
Acq: 14 May 2021 14:02

Tgt Ion: 69 Resp: 263
Ion Ratio Lower Upper
69 100
41 181.4 42.2 63.2#
39 60.5 26.3 39.5#

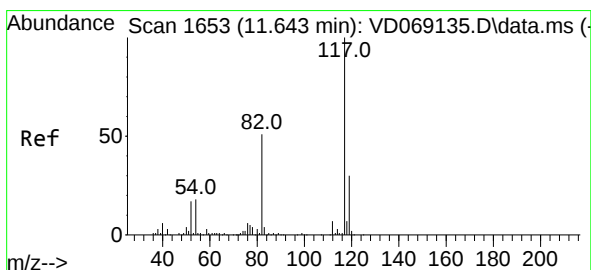
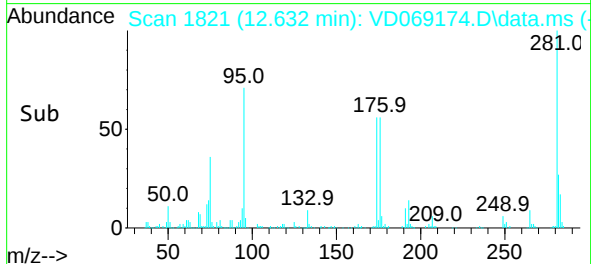
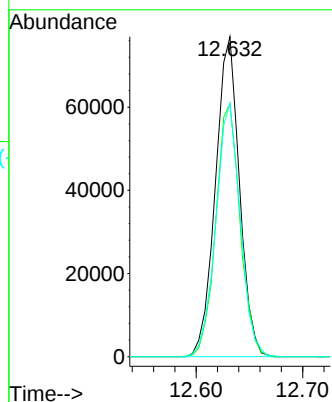
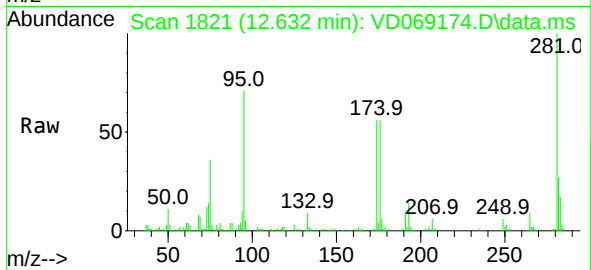




#62
4-Bromofluorobenzene
Concen: 46.37 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD069174.D
Acq: 14 May 2021 14:02

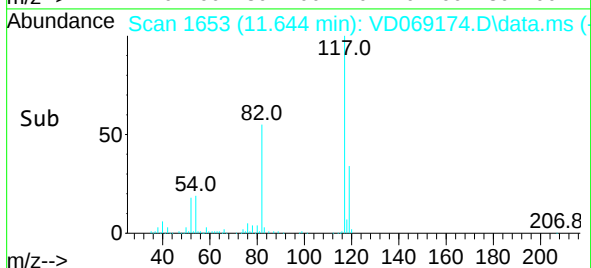
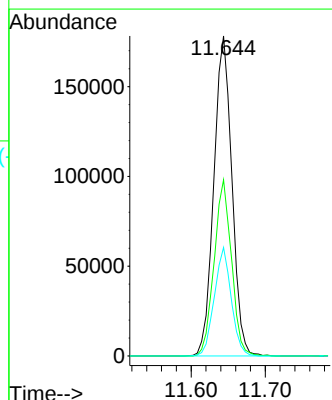
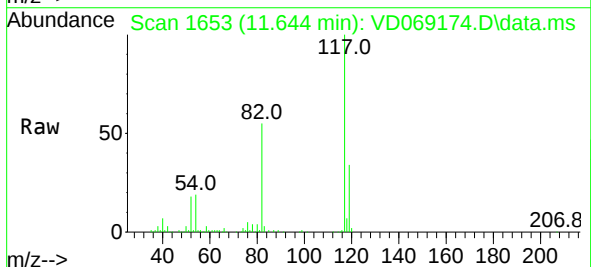
Instrument :
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CASINO-AVE-1-2

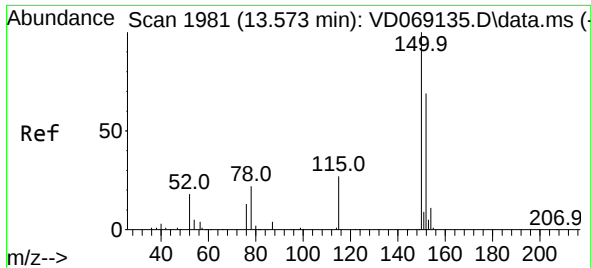
Tgt Ion: 95 Resp: 120410
Ion Ratio Lower Upper
95 100
174 79.7 0.0 171.8
176 80.3 0.0 165.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069174.D
Acq: 14 May 2021 14:02

Tgt Ion: 117 Resp: 301733
Ion Ratio Lower Upper
117 100
82 55.1 40.5 60.7
119 33.9 24.2 36.4

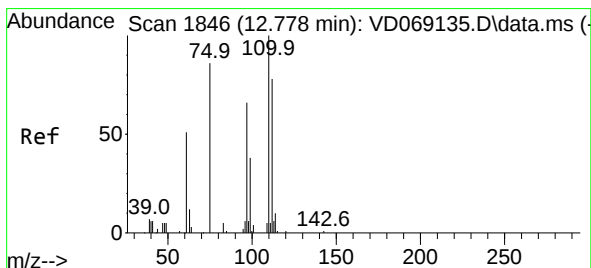
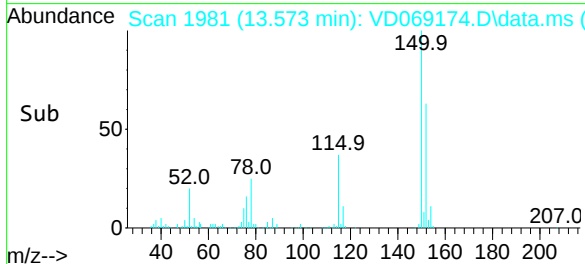
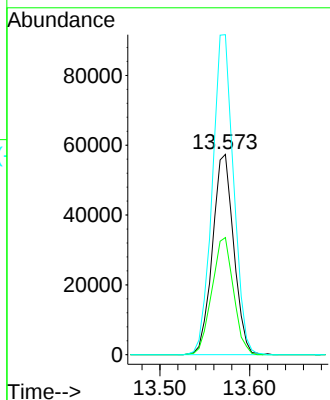
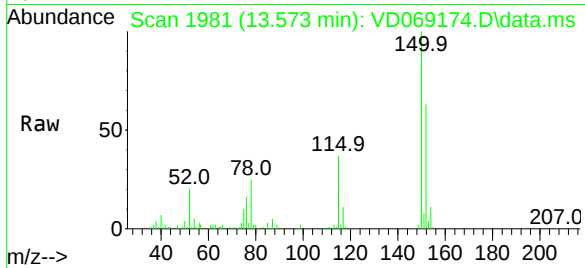




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.000 min
 Lab File: VD069174.D
 Acq: 14 May 2021 14:02

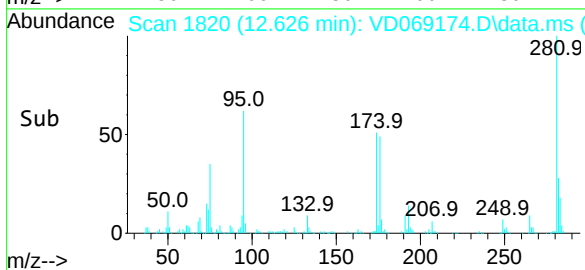
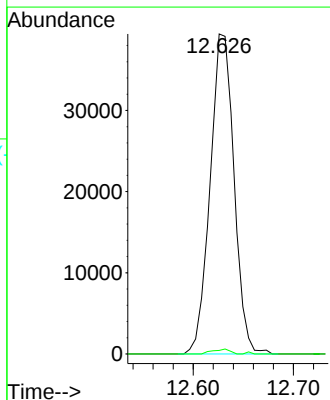
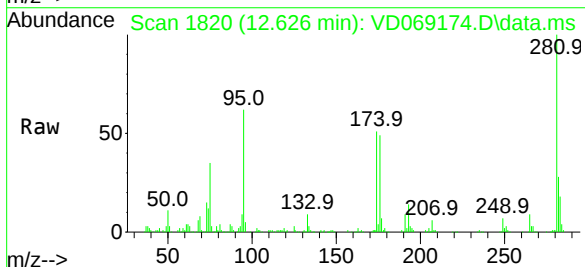
Instrument :
 MSVOA_D
 ClientSampleId :
 CASINO-AVE-1-2

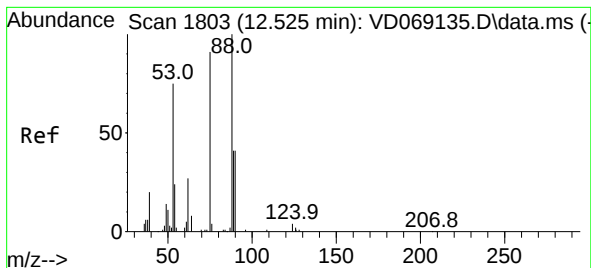
Tgt Ion:152 Resp: 94283
 Ion Ratio Lower Upper
 152 100
 115 59.4 29.9 89.8
 150 160.0 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 92.14 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.153 min
 Lab File: VD069174.D
 Acq: 14 May 2021 14:02

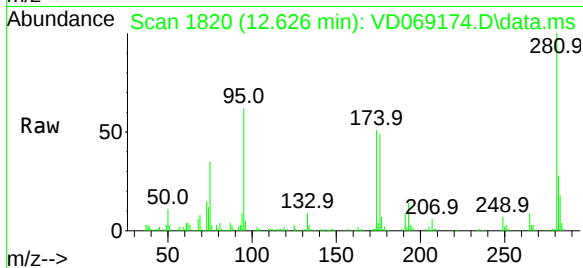
Tgt Ion: 75 Resp: 65304
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



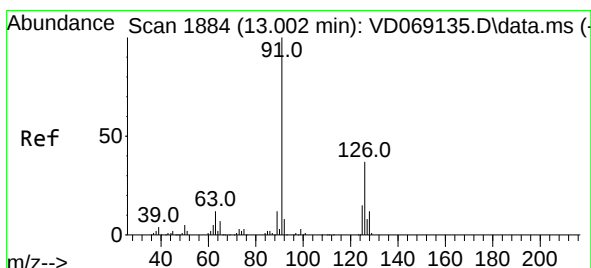
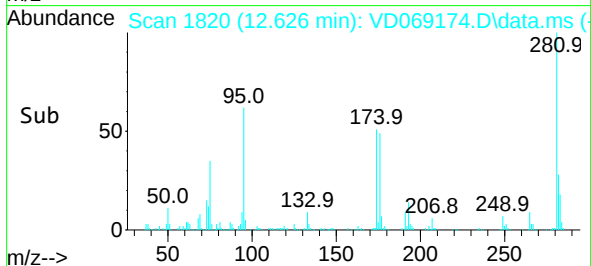
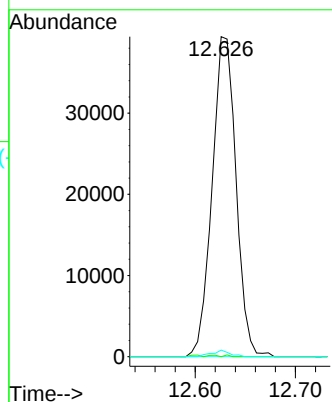


#81
trans-1,4-Dichloro-2-butene
Concen: 186.12 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069174.D
Acq: 14 May 2021 14:02

Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-1-2

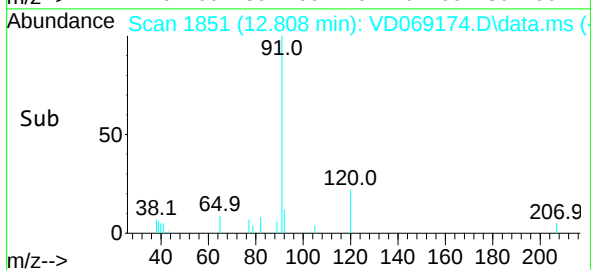
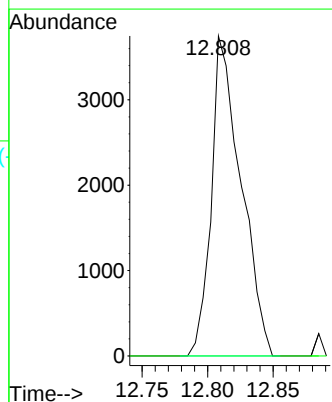
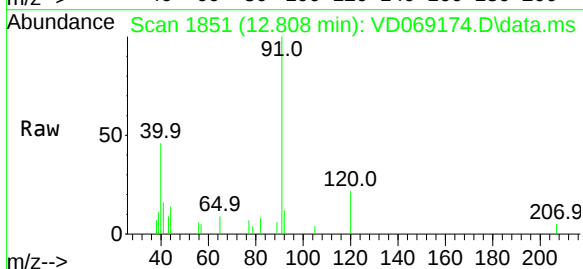


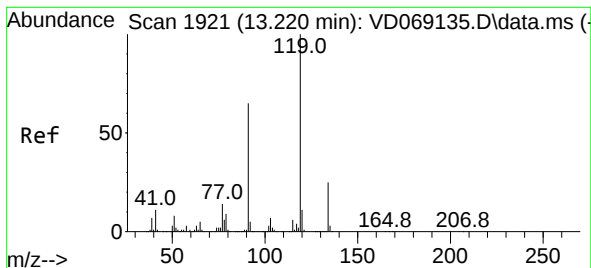
Tgt Ion: 75 Resp: 65304
Ion Ratio Lower Upper
75 100
53 0.2 70.0 105.0#
89 1.5 40.2 60.2#



#82
4-Chlorotoluene
Concen: 1.25 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.194 min
Lab File: VD069174.D
Acq: 14 May 2021 14:02

Tgt Ion: 91 Resp: 5884
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#

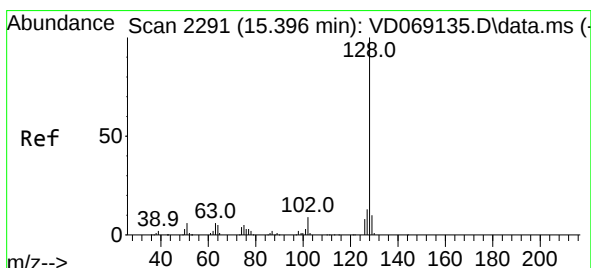
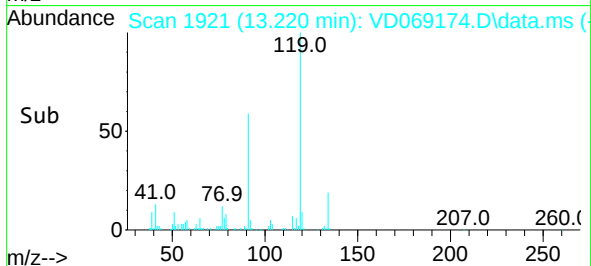
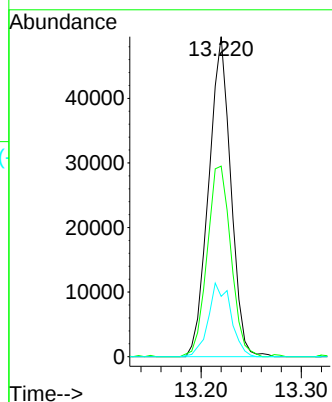
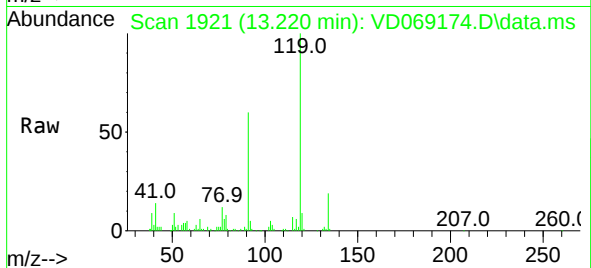




#83
tert-Butylbenzene
Concen: 16.78 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. 0.000 min
Lab File: VD069174.D
Acq: 14 May 2021 14:02

Instrument :
MSVOA_D
ClientSampleId :
CASINO-AVE-1-2

Tgt Ion:	119	Resp:	75975
Ion Ratio	Lower	Upper	
119	100		
91	64.1	32.5	97.4
134	23.6	13.8	41.3



#95
Naphthalene
Concen: 2.55 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069174.D
Acq: 14 May 2021 14:02

Tgt Ion:	128	Resp:	1622
Ion Ratio	Lower	Upper	
128	100		
127	10.2	10.5	15.7#
129	16.8	8.9	13.3#

