

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062221\
 Data File : VD069526.D
 Acq On : 22 Jun 2021 19:57
 Operator : VA/SY
 Sample : M2795-01
 Misc : 7.51G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 23 04:31:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

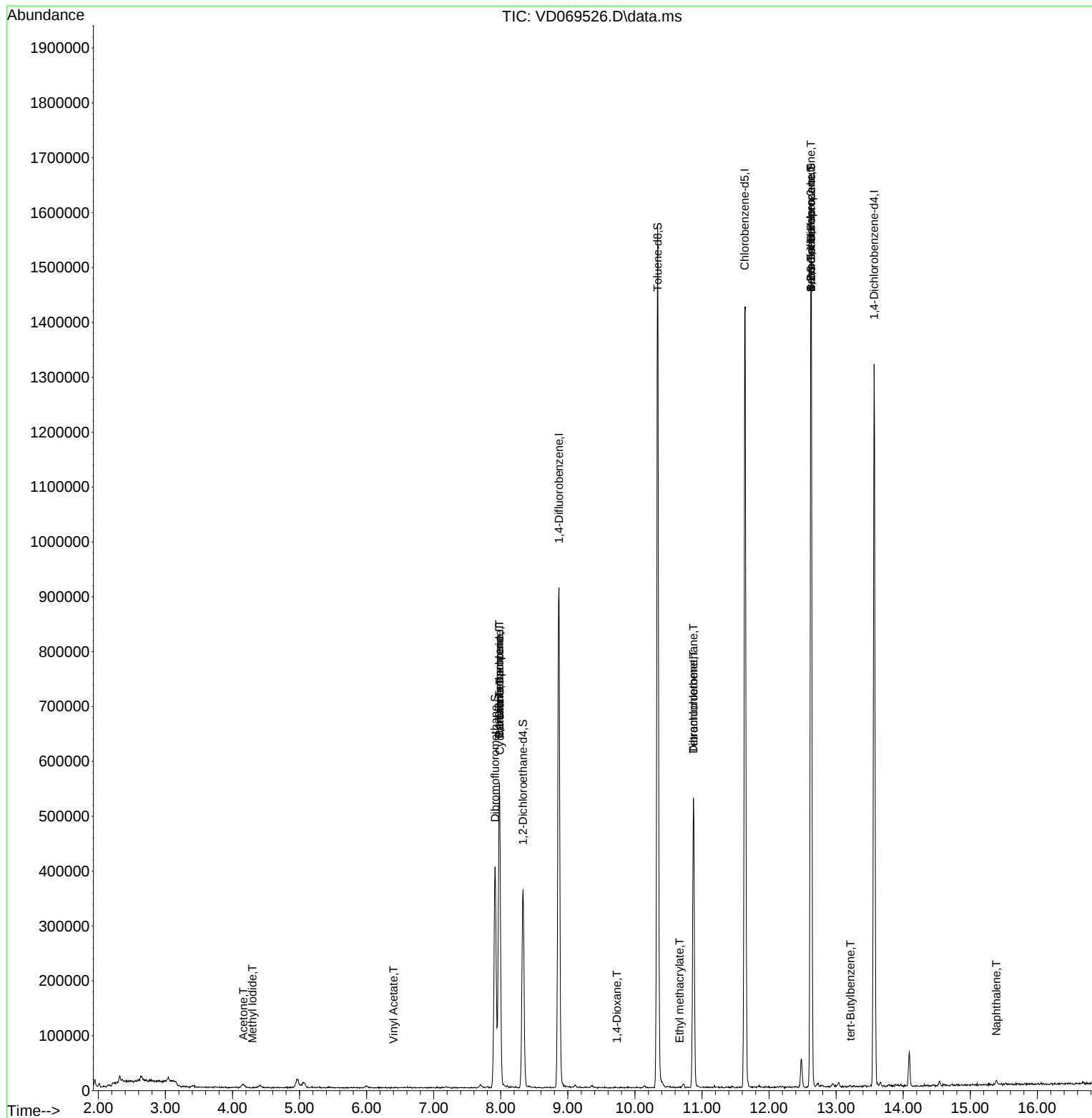
Internal Standards						
1) Pentafluorobenzene	7.979	168	383799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	776537	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	821832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	344968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	294287	61.515	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.020%	
35) Dibromofluoromethane	7.914	113	287653	54.799	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.600%	
50) Toluene-d8	10.338	98	1043419	52.994	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.980%	
62) 4-Bromofluorobenzene	12.626	95	380885	58.842	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.680%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.797	94	1542	Below Cal	#	80
10) Methyl Iodide	4.297	142	279	4.004	ug/l #	39
11) Tert butyl alcohol	5.220	59	299	Below Cal	#	83
16) Acetone	4.162	43	11018	13.683	ug/l #	77
18) Methyl Acetate	4.714	43	226	Below Cal	#	49
20) Methylene Chloride	4.962	84	6728	Below Cal	#	84
23) Vinyl Acetate	6.403	43	58	19.018	ug/l #	70
31) Cyclohexane	7.985	56	11466	1.780	ug/l #	57
36) 1,1-Dichloropropene	7.979	75	36533	4.794	ug/l #	51
38) Carbon Tetrachloride	7.979	117	42555	5.642	ug/l #	18
49) 1,4-Dioxane	9.732	88	56	1.925	ug/l #	23
56) Ethyl methacrylate	10.667	69	65	2.594	ug/l #	1
60) Dibromochloromethane	10.873	129	116804	23.758	ug/l #	10
64) Tetrachloroethene	10.873	164	117766	22.818	ug/l	97
71) Bromoform	12.626	173	3361	1.116	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	197238	58.246	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	197238	145.432	ug/l #	13
83) tert-Butylbenzene	13.214	119	80	1.997	ug/l #	27
95) Naphthalene	15.390	128	6455	3.915	ug/l #	94

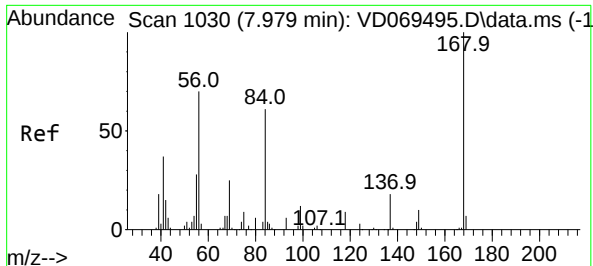
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 22 04:33:24 2021
Response via : Initial Calibration

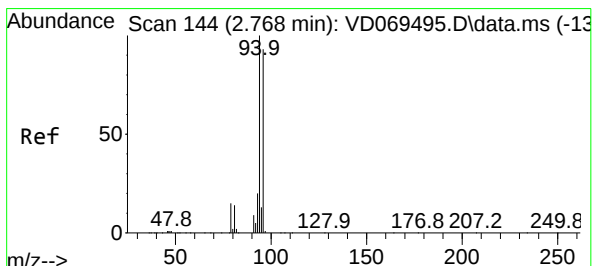
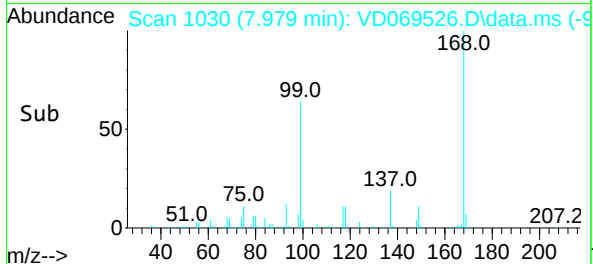
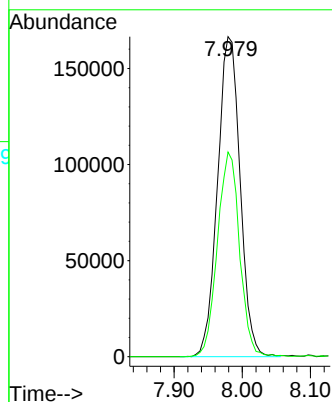
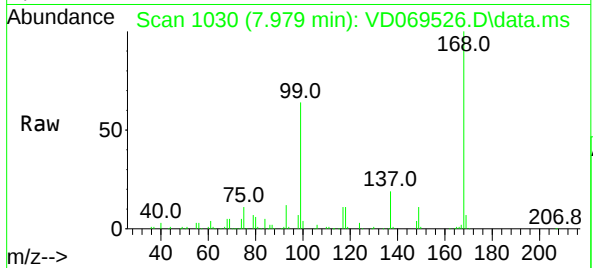




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57

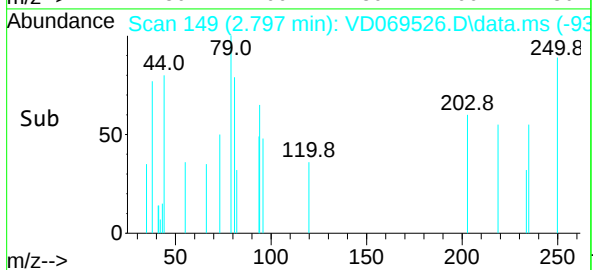
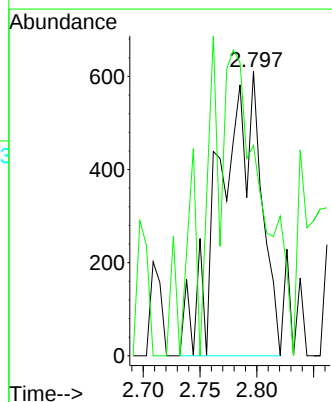
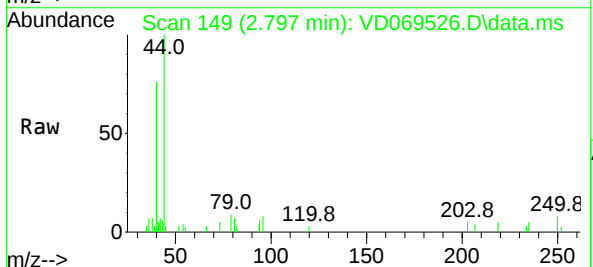
Instrument :
MSVOA_D
ClientSampleId :

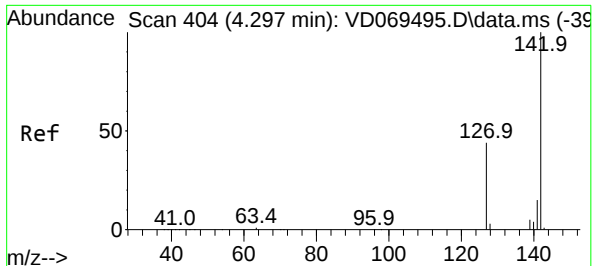
Tgt Ion:168 Resp: 383799
Ion Ratio Lower Upper
168 100
99 64.0 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.797 min Scan# 149
Delta R.T. 0.029 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57

Tgt Ion: 94 Resp: 1542
Ion Ratio Lower Upper
94 100
96 74.0 74.6 111.8#

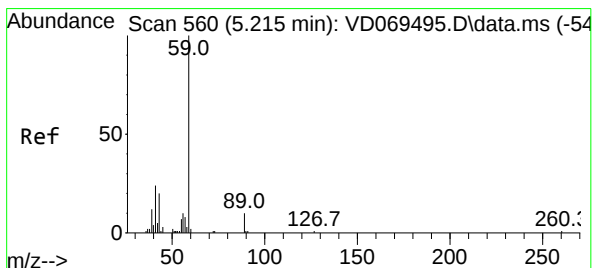
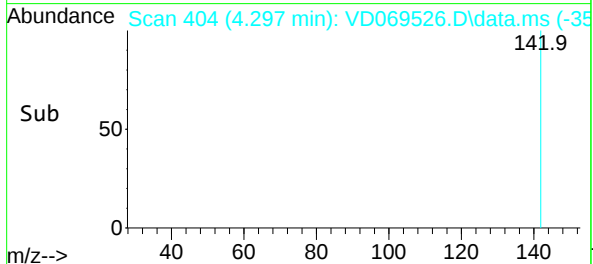
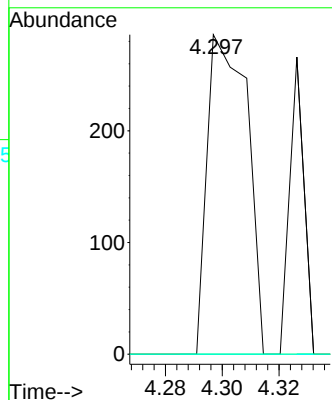
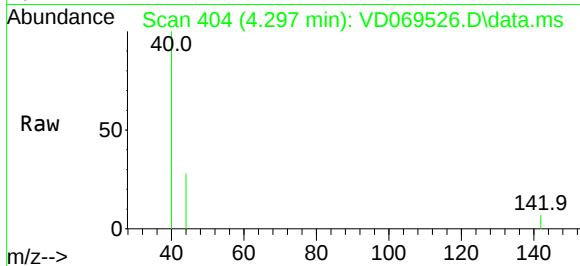




#10
Methyl Iodide
Concen: 4.004 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57

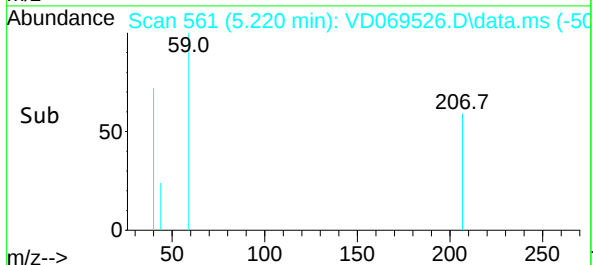
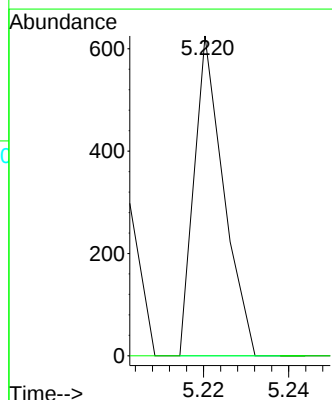
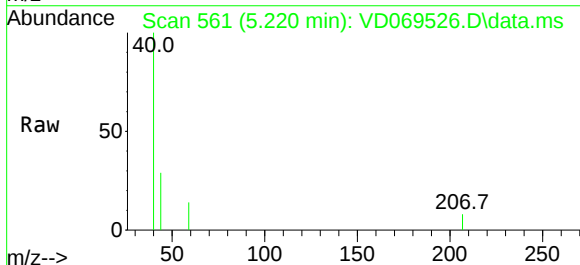
Instrument :
MSVOA_D
ClientSampled :

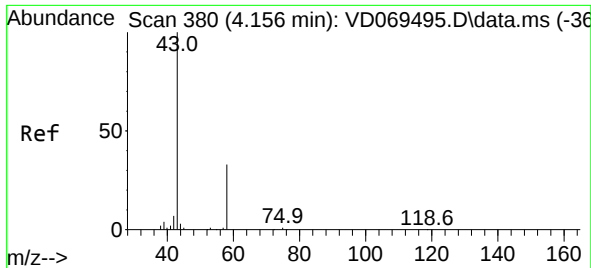
Tgt Ion:142 Resp: 279
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.005 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57

Tgt Ion: 59 Resp: 299
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

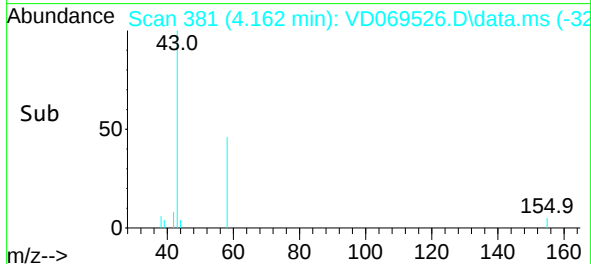
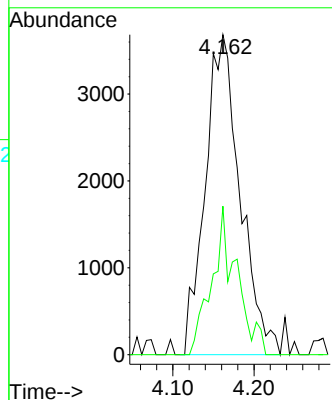
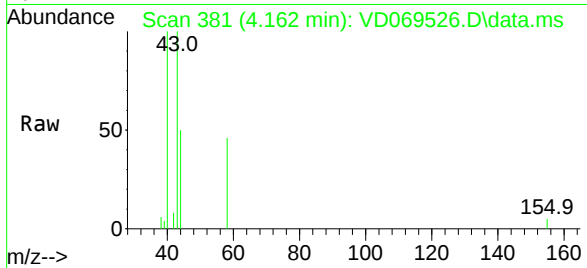




#16
Acetone
Concen: 13.683 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57

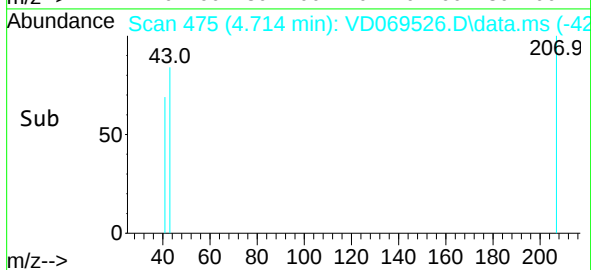
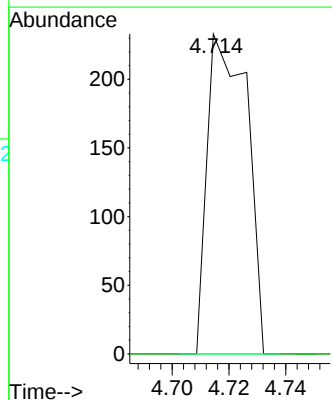
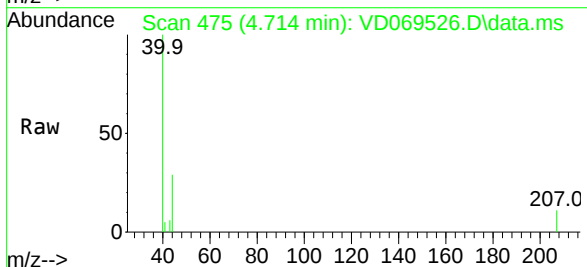
Instrument :
MSVOA_D
ClientSampleId :

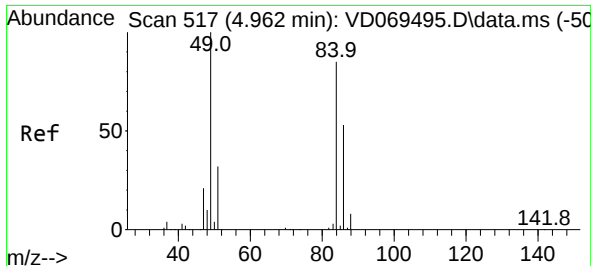
Tgt Ion: 43 Resp: 11018
Ion Ratio Lower Upper
43 100
58 46.4 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57

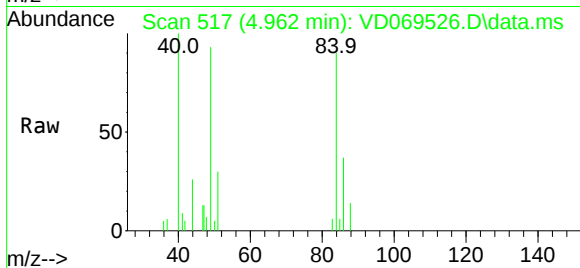
Tgt Ion: 43 Resp: 226
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



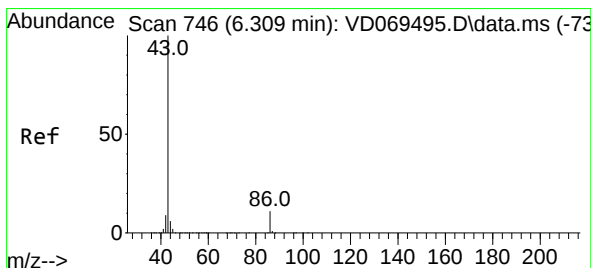
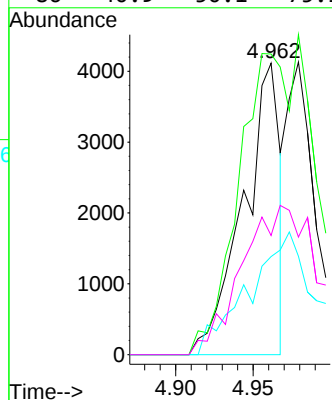
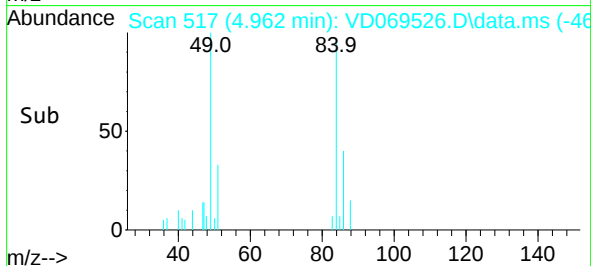


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57

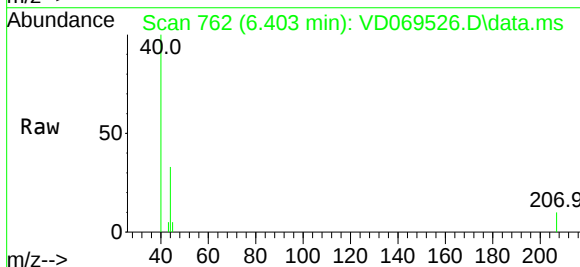
Instrument :
MSVOA_D
ClientSampleId :



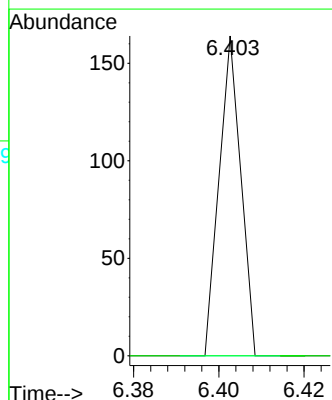
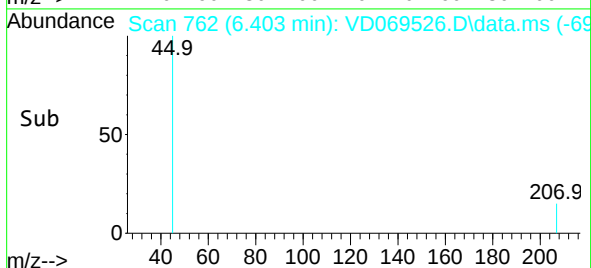
Tgt Ion:	84	Resp:	6728
Ion	Ratio	Lower	Upper
84	100		
49	103.1	94.0	141.0
51	33.6	29.7	44.5
86	40.9	50.1	75.1#

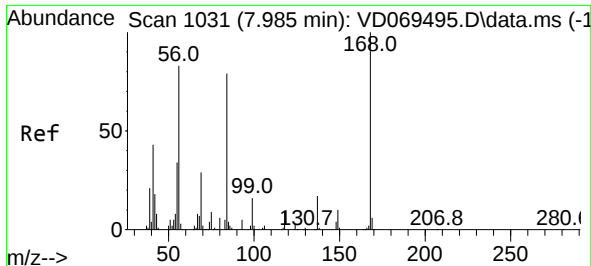


#23
Vinyl Acetate
Concen: 19.018 ug/l
RT: 6.403 min Scan# 762
Delta R.T. 0.094 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57



Tgt Ion:	43	Resp:	58
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

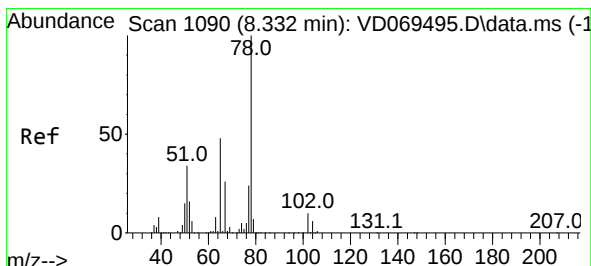
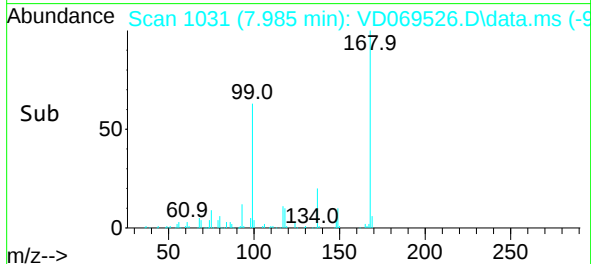
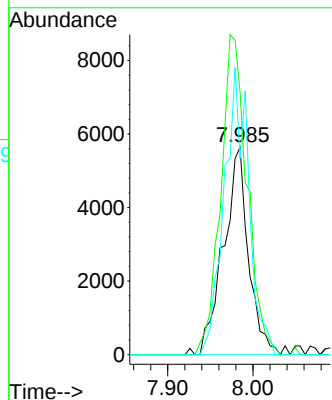
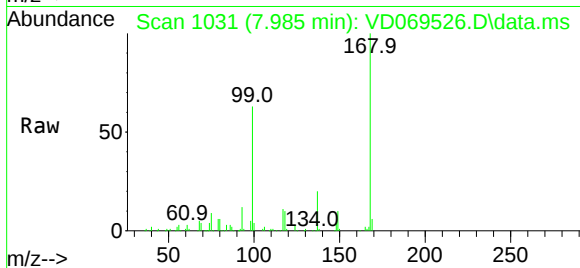




#31
Cyclohexane
Concen: 1.780 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57

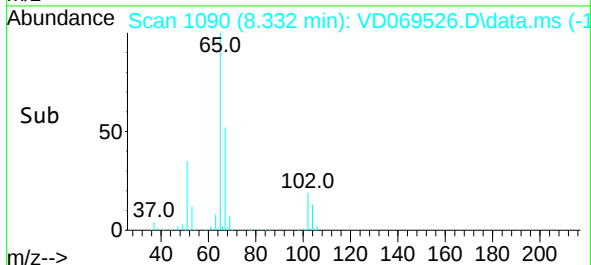
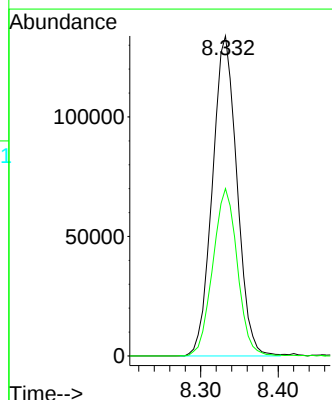
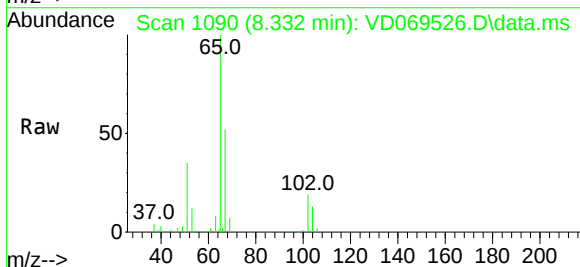
Instrument :
MSVOA_D
ClientSampled :

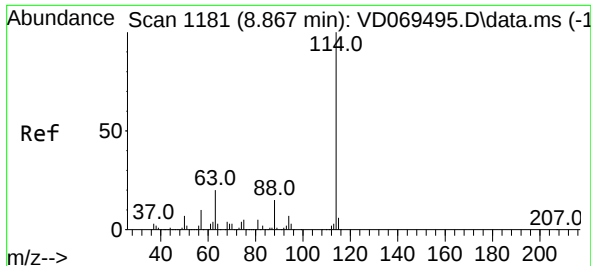
Tgt Ion: 56 Resp: 11466
Ion Ratio Lower Upper
56 100
69 126.8 28.0 42.0#
84 94.5 75.7 113.5



#33
1,2-Dichloroethane-d4
Concen: 61.515 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57

Tgt Ion: 65 Resp: 294287
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.6

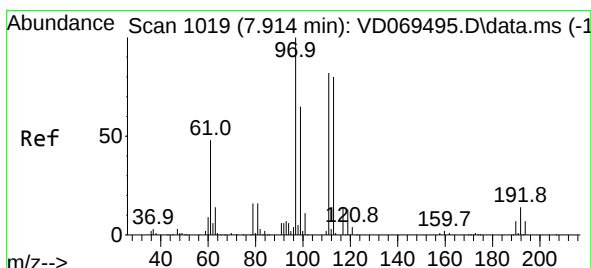
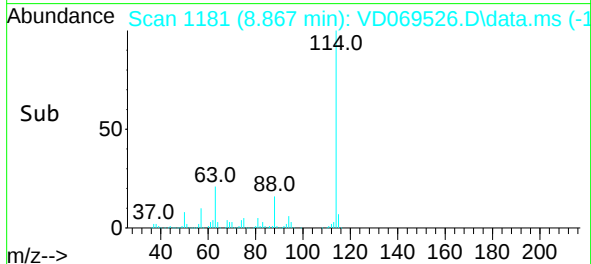
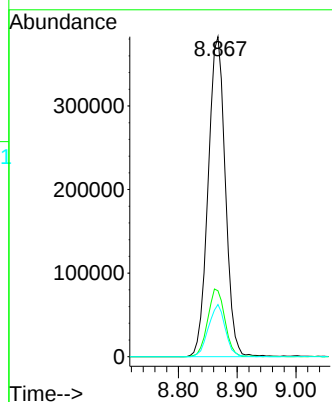
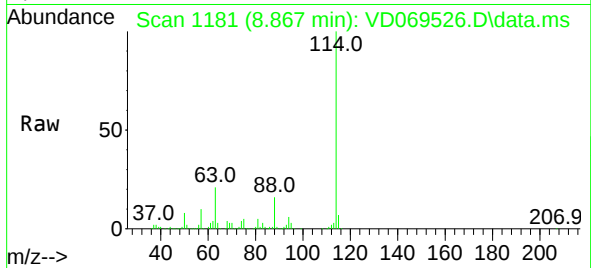




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57

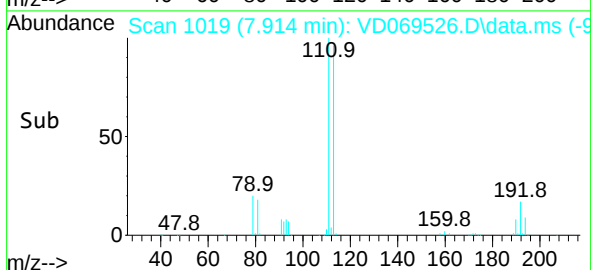
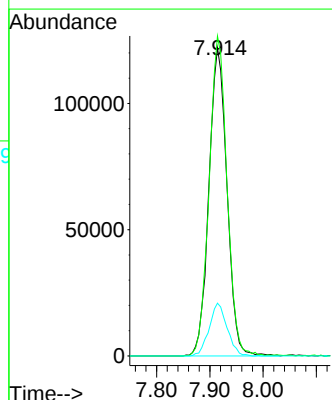
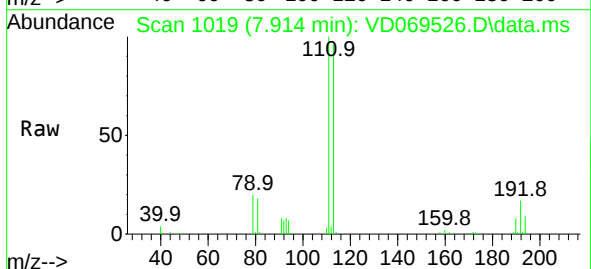
Instrument :
MSVOA_D
ClientSampled :

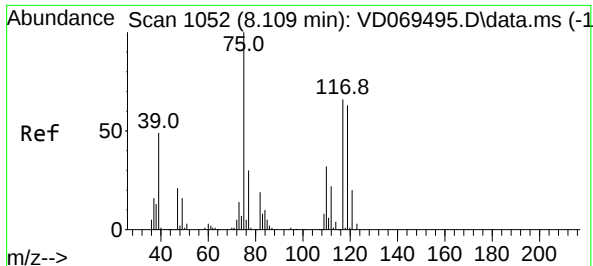
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.6
88	16.3	0.0	29.8



#35
Dibromofluoromethane
Concen: 54.799 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.8
192	17.0	13.8	20.6



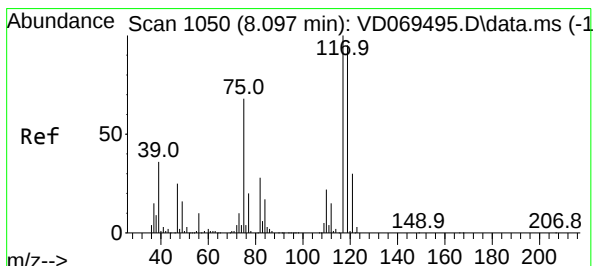
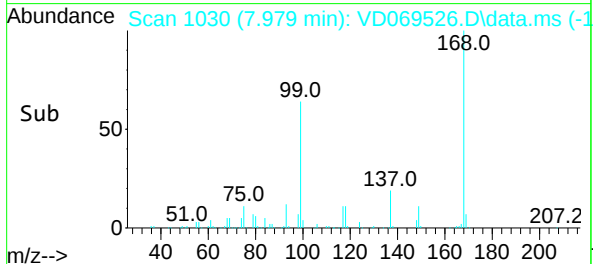
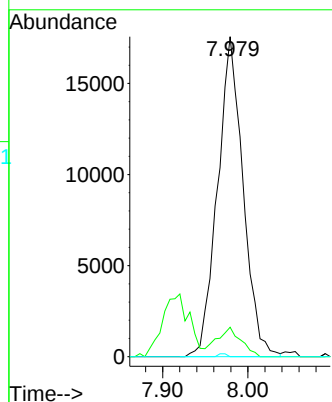
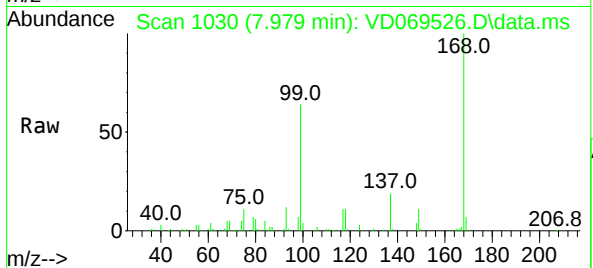


#36

1,1-Dichloropropene
Concen: 4.794 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57

Instrument :
MSVOA_D
ClientSampled :

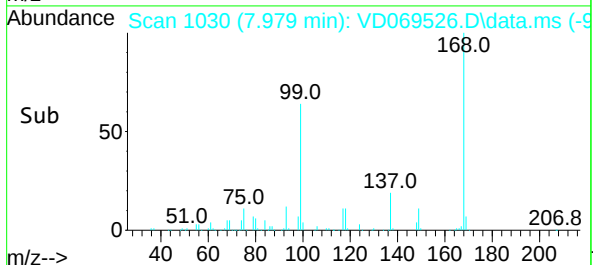
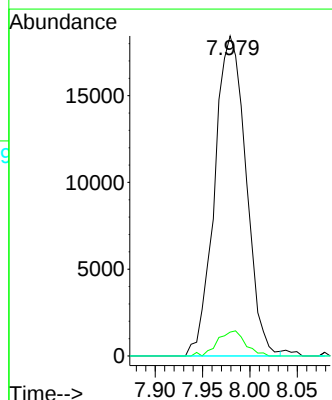
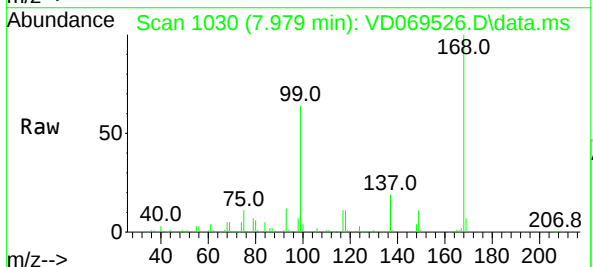
Tgt Ion: 75 Resp: 36533
Ion Ratio Lower Upper
75 100
110 8.7 16.8 50.4#
77 0.3 24.3 36.5#

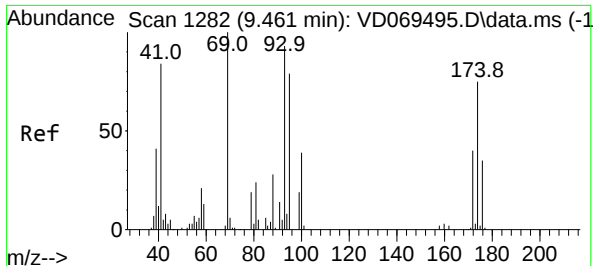


#38

Carbon Tetrachloride
Concen: 5.642 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57

Tgt Ion: 117 Resp: 42555
Ion Ratio Lower Upper
117 100
119 7.5 75.6 113.4#
121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 1.925 ug/l

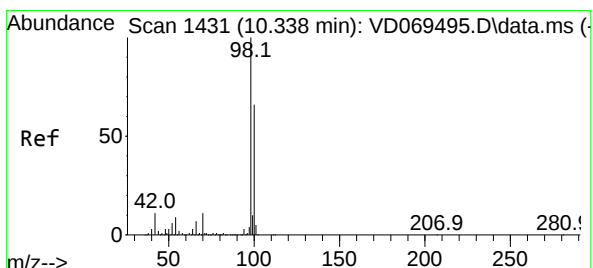
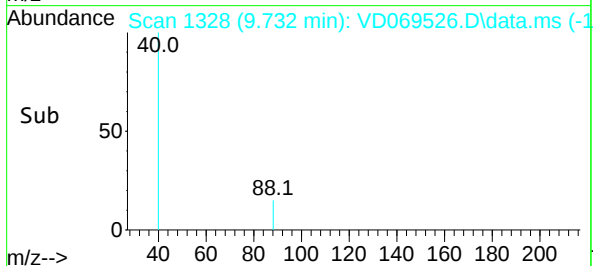
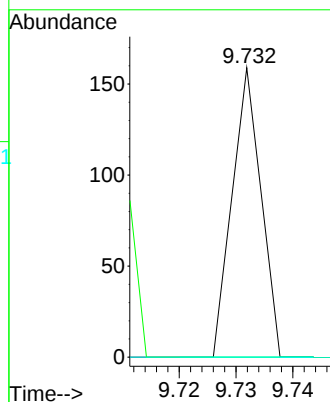
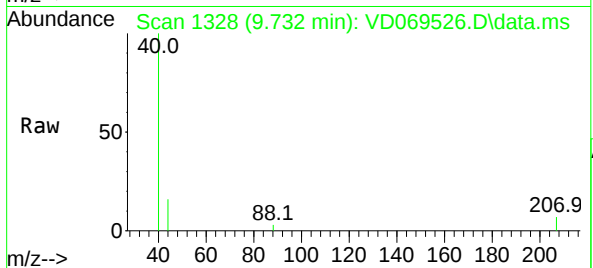
RT: 9.732 min Scan# 1328

Delta R.T. 0.270 min

Lab File: VD069526.D

Acq: 22 Jun 2021 19:57

Tgt Ion: 88	Resp: 56
Ion Ratio	Lower Upper
88 100	
43 0.0	26.5 39.7#
58 0.0	56.0 84.0#



#50

Toluene-d8

Concen: 52.994 ug/l

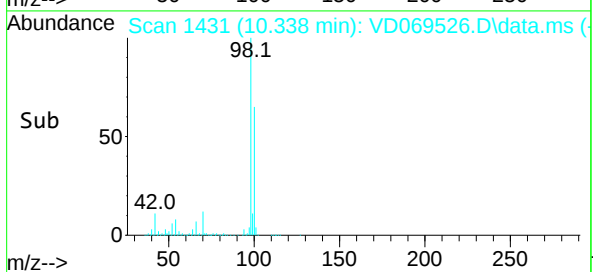
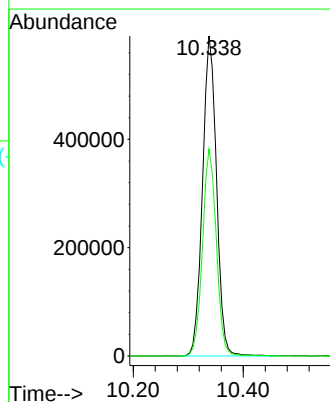
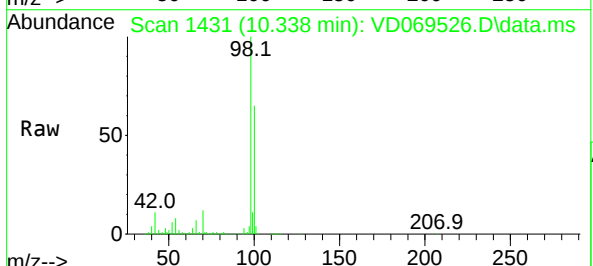
RT: 10.338 min Scan# 1431

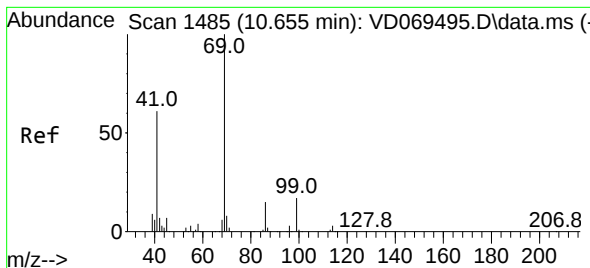
Delta R.T. -0.000 min

Lab File: VD069526.D

Acq: 22 Jun 2021 19:57

Tgt Ion: 98	Resp: 1043419
Ion Ratio	Lower Upper
98 100	
100 64.0	52.3 78.5

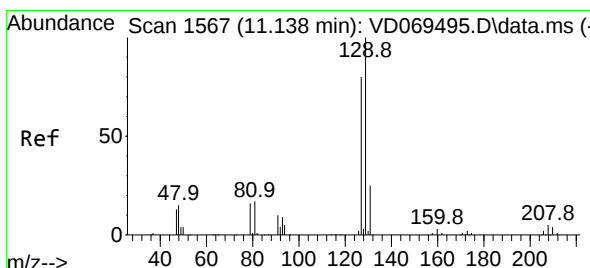
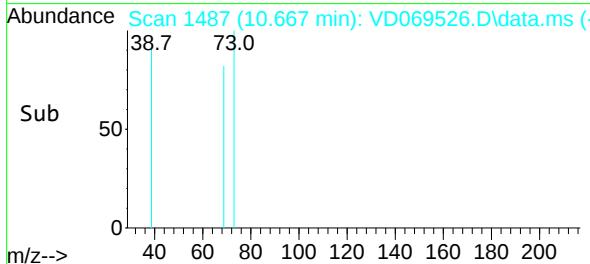
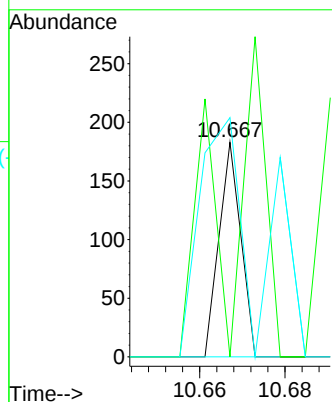
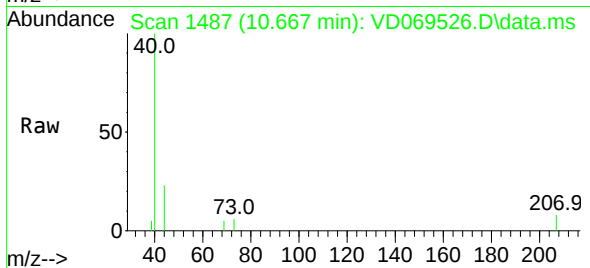




#56
Ethyl methacrylate
Concen: 2.594 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57

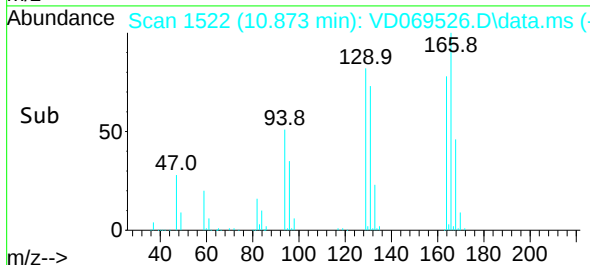
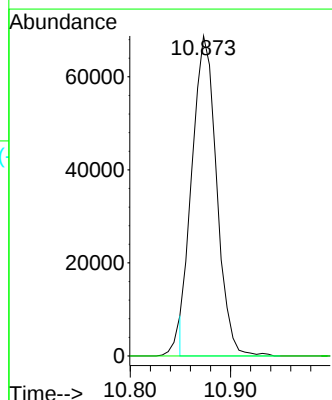
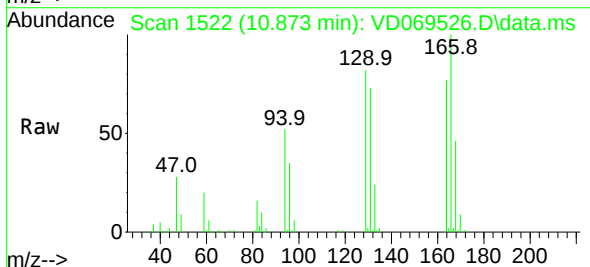
Instrument :
MSVOA_D
ClientSampled :

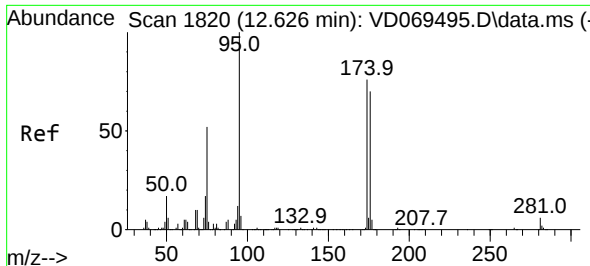
Tgt Ion:	69	Resp:	65
Ion	Ratio	Lower	Upper
69	100		
41	120.0	49.4	74.0#
39	296.9	26.9	40.3#



#60
Dibromochloromethane
Concen: 23.758 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.265 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57

Tgt Ion:	129	Resp:	116804
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.0	116.9#

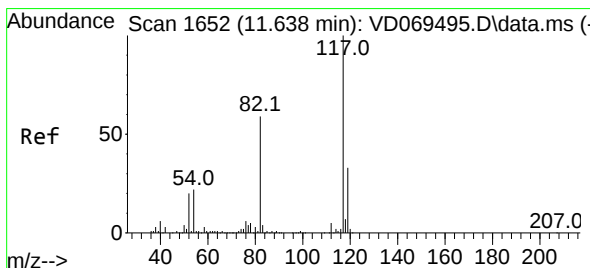
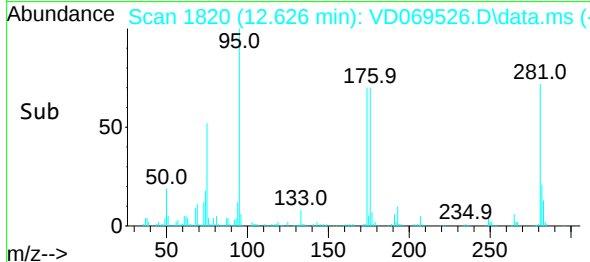
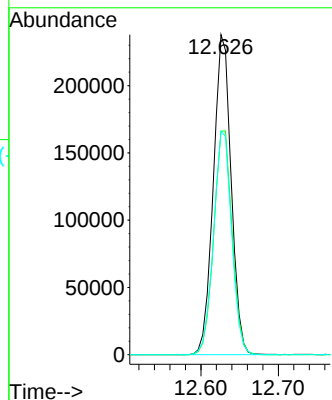
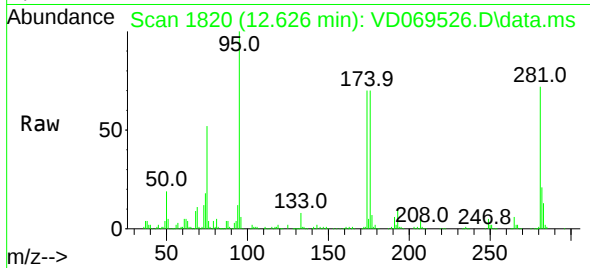




#62
4-Bromofluorobenzene
Concen: 58.842 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57

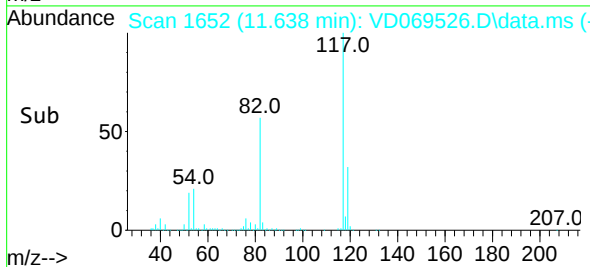
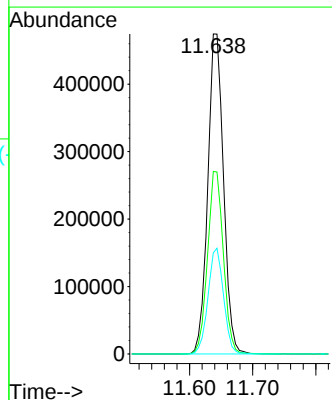
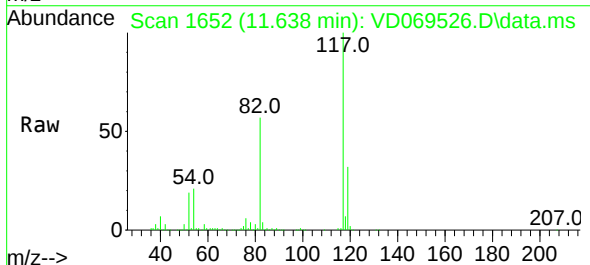
Instrument :
MSVOA_D
ClientSampleId :

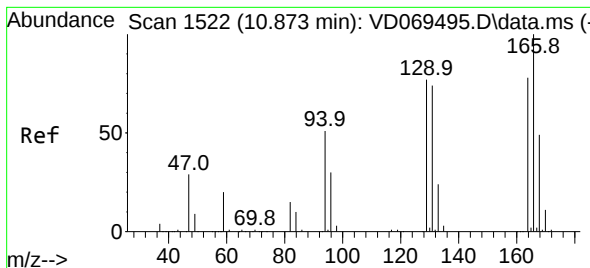
Tgt Ion: 95 Resp: 380885
Ion Ratio Lower Upper
95 100
174 72.2 0.0 148.0
176 70.9 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57

Tgt Ion: 117 Resp: 821832
Ion Ratio Lower Upper
117 100
82 57.1 46.8 70.2
119 31.6 26.2 39.2





#64

Tetrachloroethene

Concen: 22.818 ug/l

RT: 10.873 min Scan# 1522

Delta R.T. -0.000 min

Lab File: VD069526.D

Acq: 22 Jun 2021 19:57

Tgt Ion:164 Resp: 117766

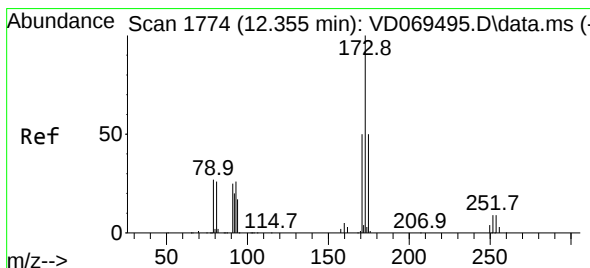
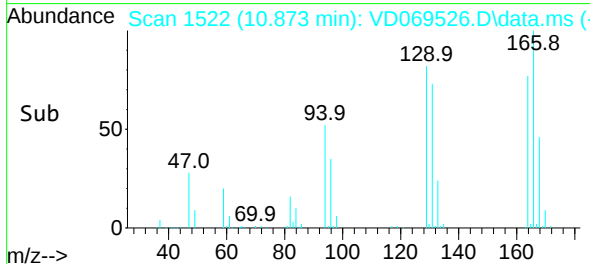
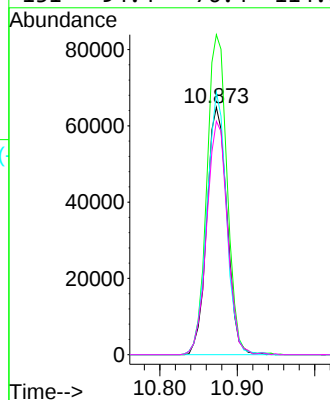
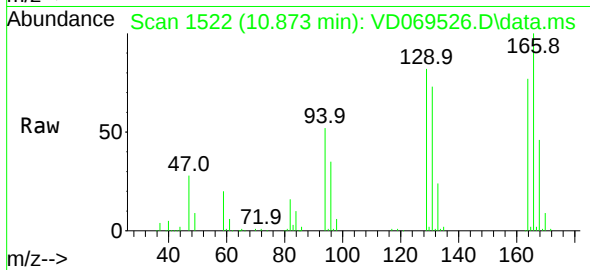
Ion Ratio Lower Upper

164 100

166 129.4 102.6 153.8

129 106.1 79.1 118.7

131 94.4 76.4 114.6



#71

Bromoform

Concen: 1.116 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.270 min

Lab File: VD069526.D

Acq: 22 Jun 2021 19:57

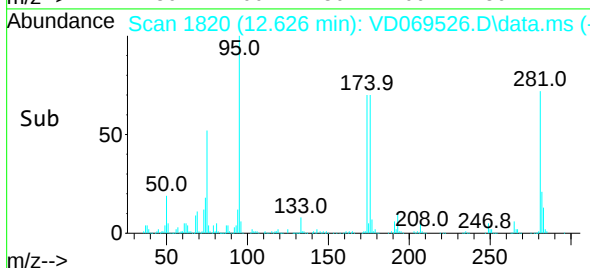
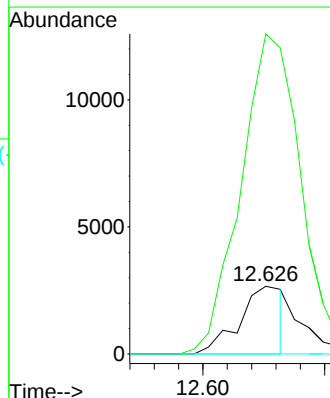
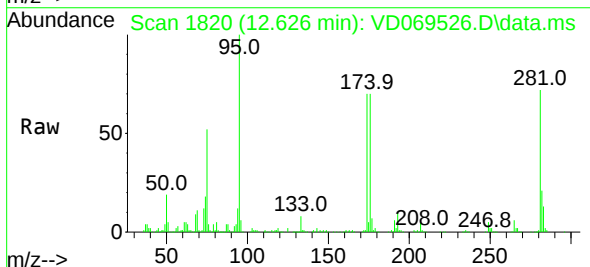
Tgt Ion:173 Resp: 3361

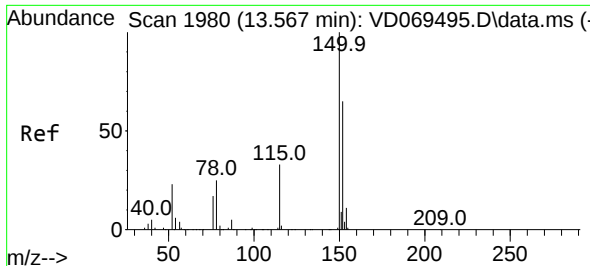
Ion Ratio Lower Upper

173 100

175 464.2 24.6 73.8#

254 0.0 0.1 0.1#

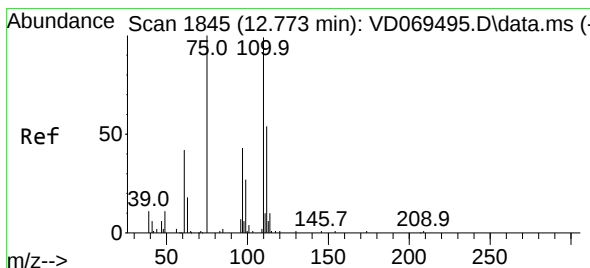
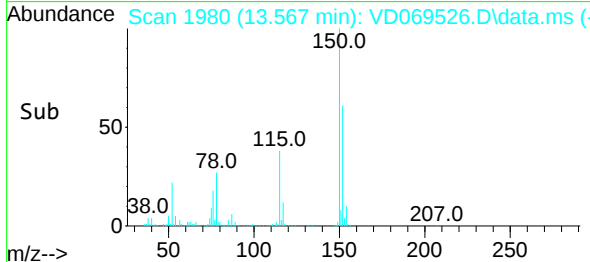
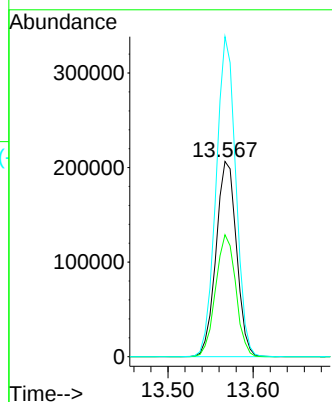
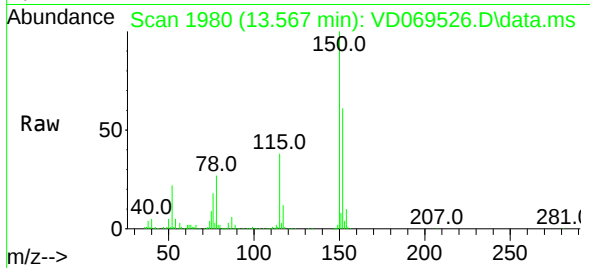




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57

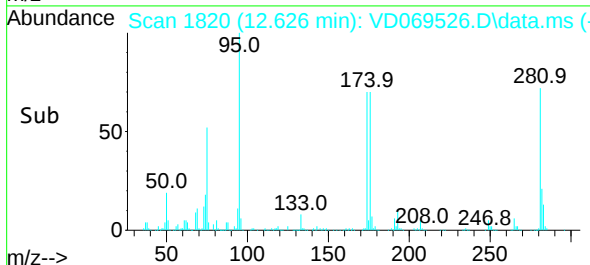
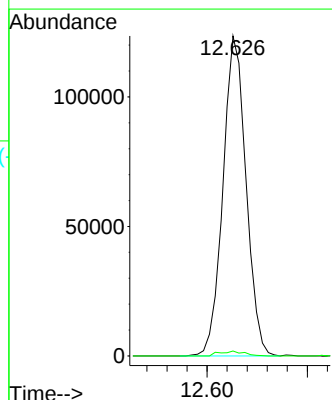
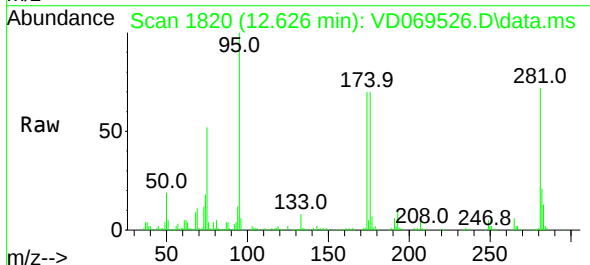
Instrument :
MSVOA_D
ClientSampleId :

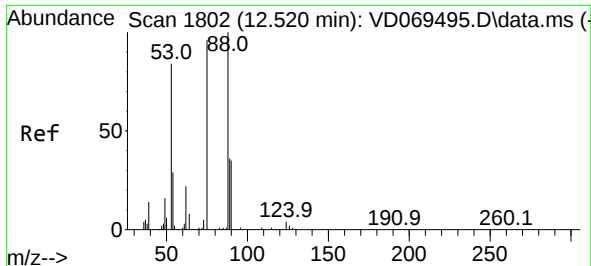
Tgt Ion:152 Resp: 344968
Ion Ratio Lower Upper
152 100
115 61.5 31.7 95.1
150 157.8 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 58.246 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57

Tgt Ion: 75 Resp: 197238
Ion Ratio Lower Upper
75 100
77 1.6 162.6 487.8#

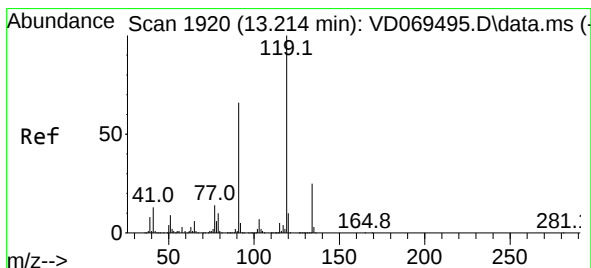
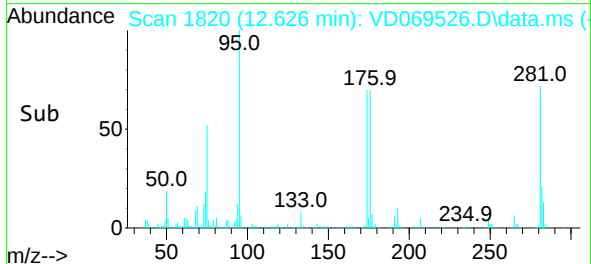
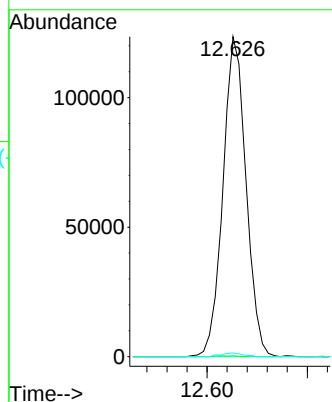
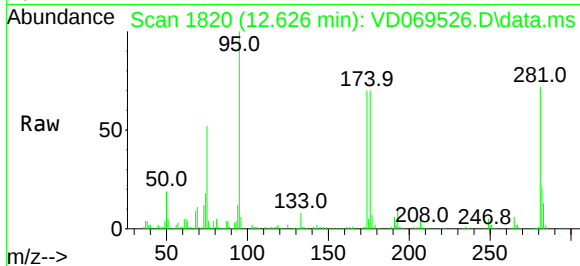




#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.432 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069526.D
 Acq: 22 Jun 2021 19:57

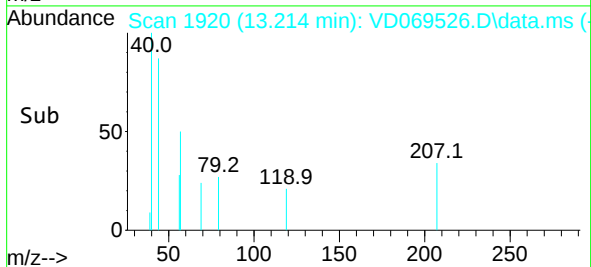
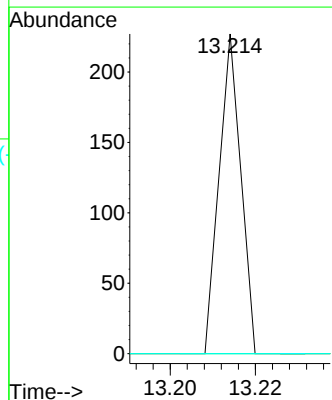
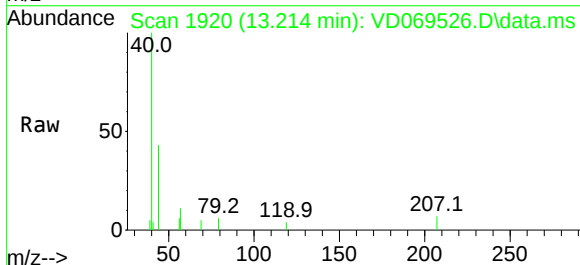
Instrument :
 MSVOA_D
 ClientSampleId :

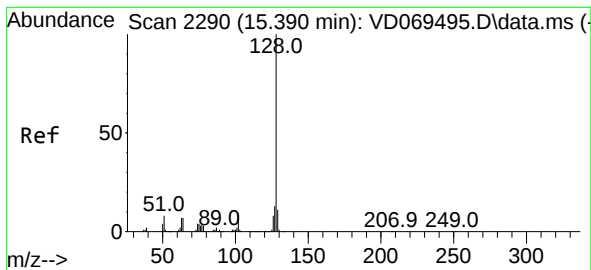
Tgt Ion: 75 Resp: 197238
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.6 112.0#
 89 1.1 35.3 52.9#



#83
 tert-Butylbenzene
 Concen: 1.997 ug/l
 RT: 13.214 min Scan# 1920
 Delta R.T. 0.000 min
 Lab File: VD069526.D
 Acq: 22 Jun 2021 19:57

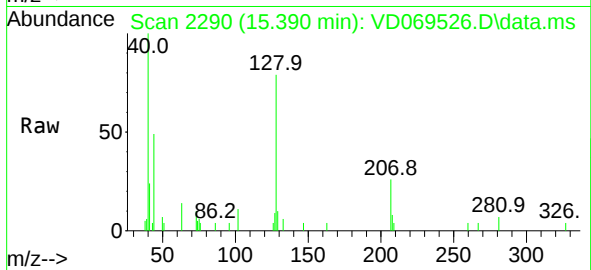
Tgt Ion: 119 Resp: 80
 Ion Ratio Lower Upper
 119 100
 91 0.0 32.5 97.4#
 134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.915 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069526.D
Acq: 22 Jun 2021 19:57

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	128	Resp:	6455
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	16.0
129	6.3	8.7	13.1#

