

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071621\
 Data File : VD069732.D
 Acq On : 16 Jul 2021 18:30
 Operator : VA/SY
 Sample : M3029-04RE
 Misc : 4.60G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 17 00:55:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

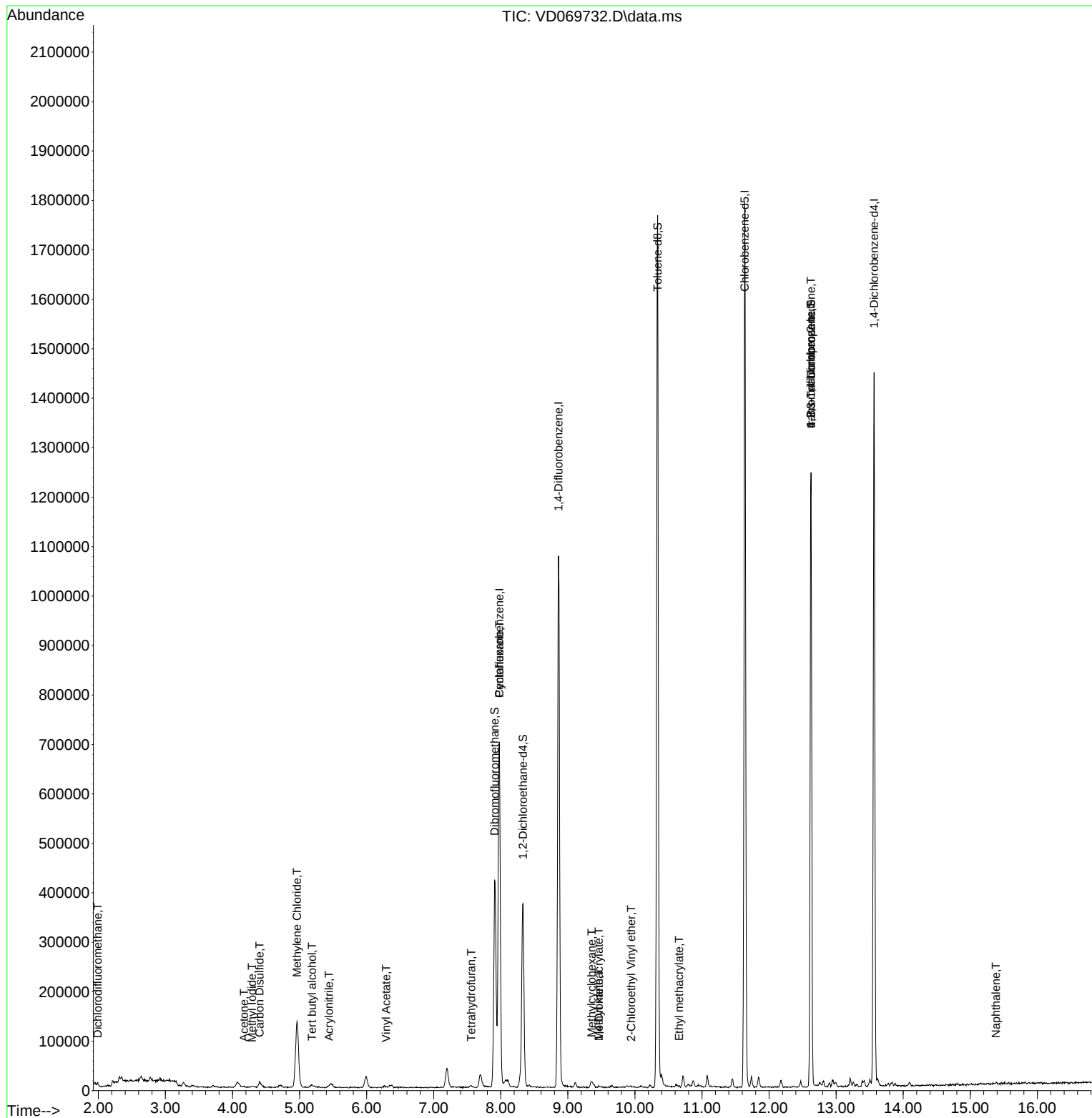
Internal Standards						
1) Pentafluorobenzene	7.979	168	486264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	915211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1009387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	375885	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	293602	48.356	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.720%		
35) Dibromofluoromethane	7.908	113	311555	50.742	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.480%		
50) Toluene-d8	10.338	98	1208123	50.647	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.300%		
62) 4-Bromofluorobenzene	12.626	95	431195	54.201	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	108.400%		
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.991	85	4697	1.540	ug/l	94
5) Bromomethane	2.773	94	5480	Below Cal		84
10) Methyl Iodide	4.291	142	2504	2.862	ug/l #	39
11) Tert butyl alcohol	5.185	59	3249	4.005	ug/l #	79
15) Acrylonitrile	5.438	53	1646	1.334	ug/l #	18
16) Acetone	4.173	43	4049	15.998	ug/l	89
17) Carbon Disulfide	4.403	76	22552	1.630	ug/l	95
18) Methyl Acetate	4.709	43	1022	Below Cal	#	49
20) Methylene Chloride	4.961	84	106457	8.134	ug/l	96
23) Vinyl Acetate	6.291	43	132	15.438	ug/l #	72
29) Tetrahydrofuran	7.561	42	1435	1.614	ug/l #	90
31) Cyclohexane	7.979	56	16713	2.009	ug/l #	10
39) Methylcyclohexane	9.355	83	4870	2.373	ug/l #	62
48) Methyl methacrylate	9.461	41	1017	1.395	ug/l #	60
49) 1,4-Dioxane	9.461	88	288	106.642	ug/l	92
56) Ethyl methacrylate	10.661	69	1560	1.906	ug/l #	92
58) 2-Chloroethyl Vinyl ether	9.944	63	1321	9.817	ug/l #	49
76) 1,2,3-Trichloropropane	12.626	75	212361	58.155	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	212361	156.290	ug/l #	14
95) Naphthalene	15.384	128	1955	2.362	ug/l #	81

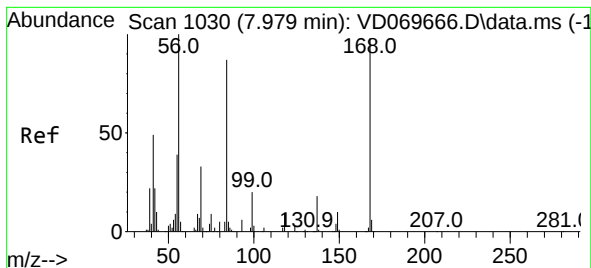
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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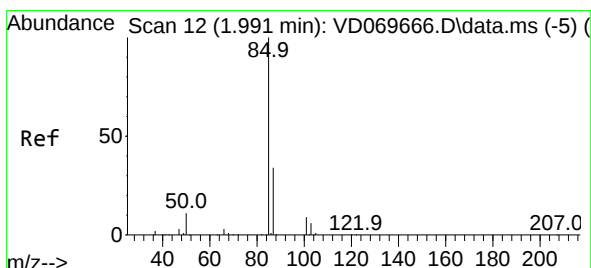
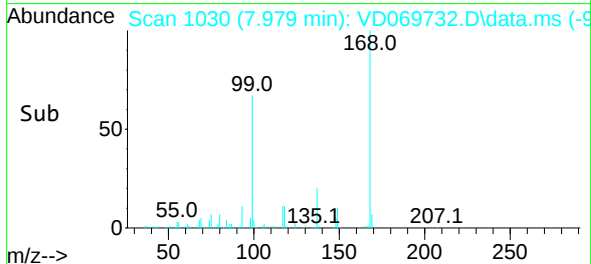
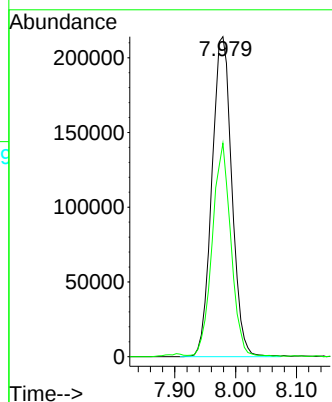
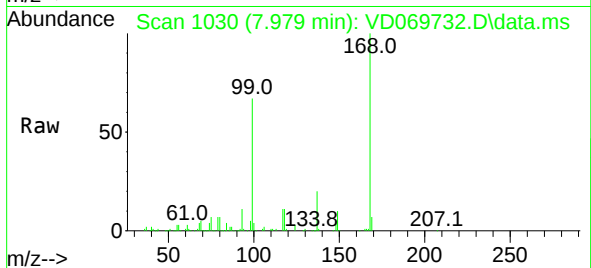




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30

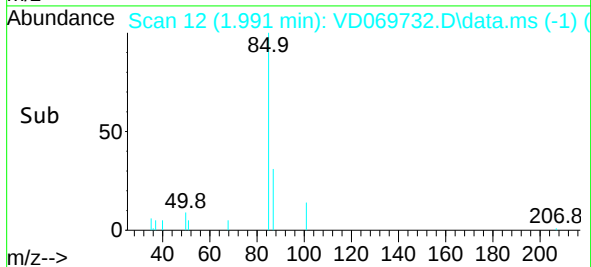
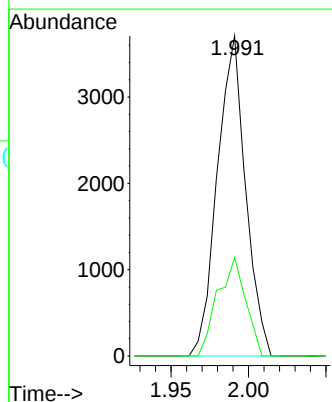
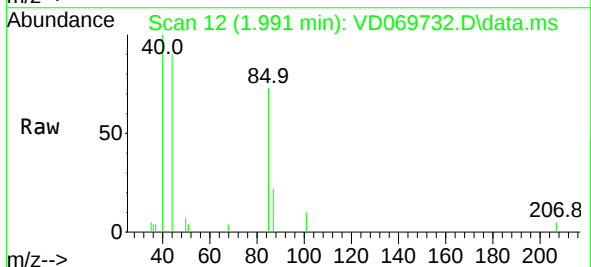
Instrument :
MSVOA_D
ClientSampleId :

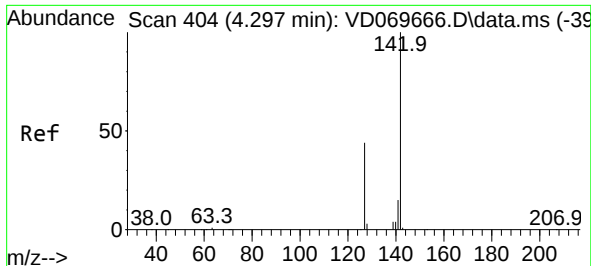
Tgt Ion:168 Resp: 486264
Ion Ratio Lower Upper
168 100
99 66.5 51.8 77.6



#2
Dichlorodifluoromethane
Concen: 1.540 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30

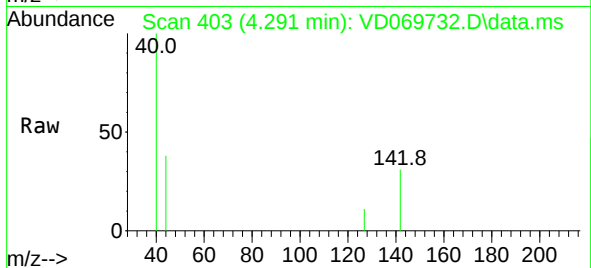
Tgt Ion: 85 Resp: 4697
Ion Ratio Lower Upper
85 100
87 30.8 17.0 51.0



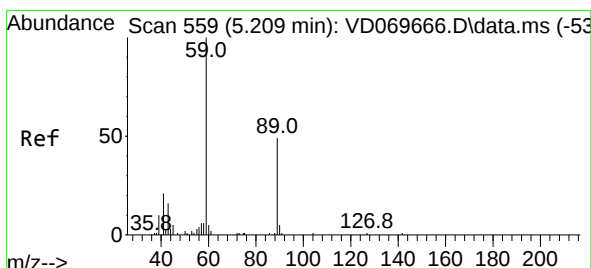
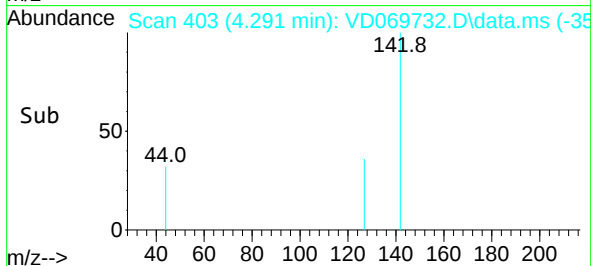
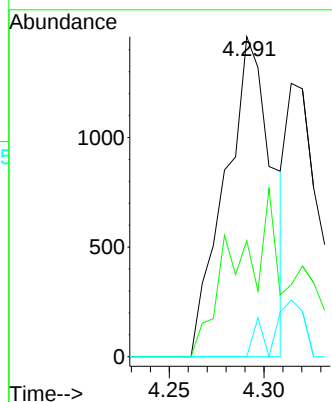


#10
Methyl Iodide
Concen: 2.862 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30

Instrument :
MSVOA_D
ClientSampleId :

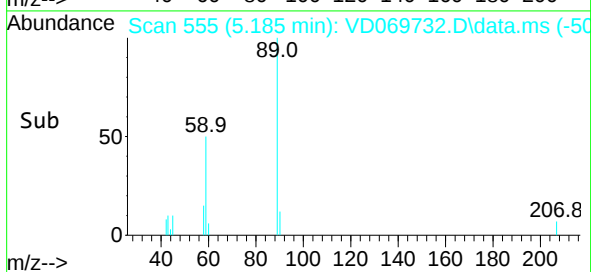
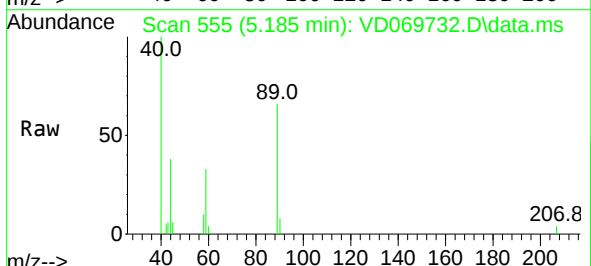
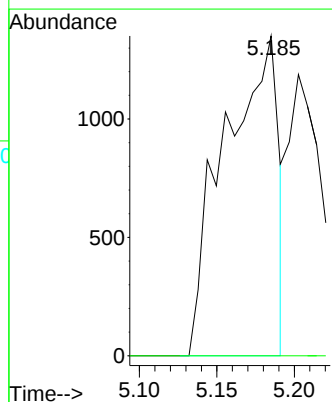


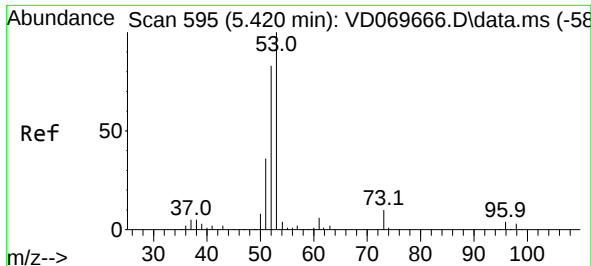
Tgt Ion:142 Resp: 2504
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 4.005 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.024 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30

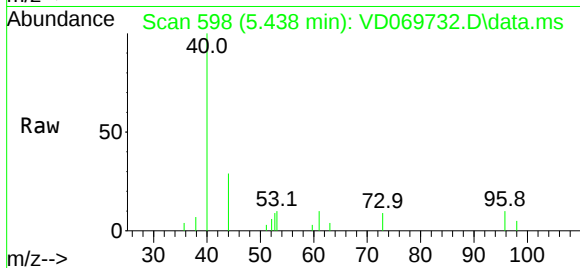
Tgt Ion: 59 Resp: 3249
Ion Ratio Lower Upper
59 100
57 0.0 5.7 8.5#



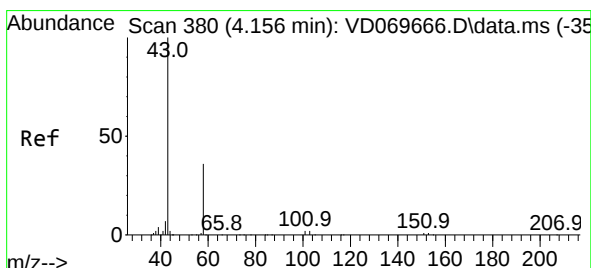
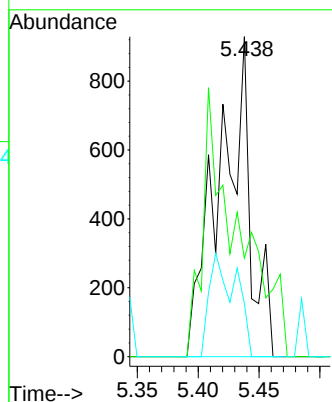
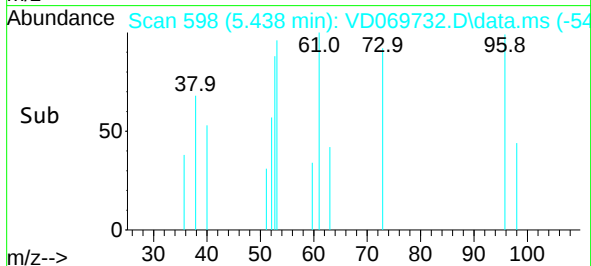


#15
Acrylonitrile
Concen: 1.334 ug/l
RT: 5.438 min Scan# 598
Delta R.T. 0.018 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30

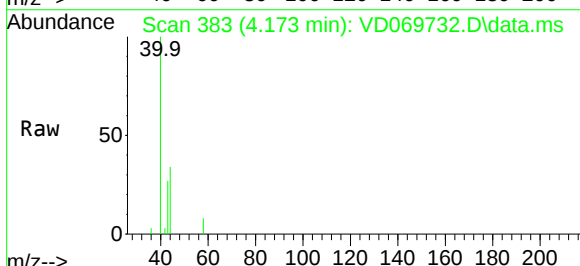
Instrument :
MSVOA_D
ClientSampleId :



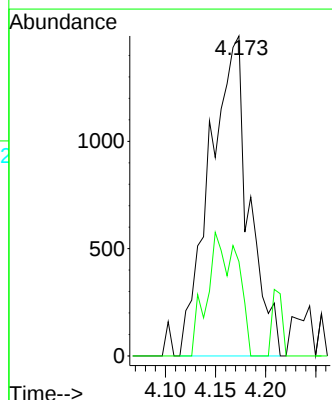
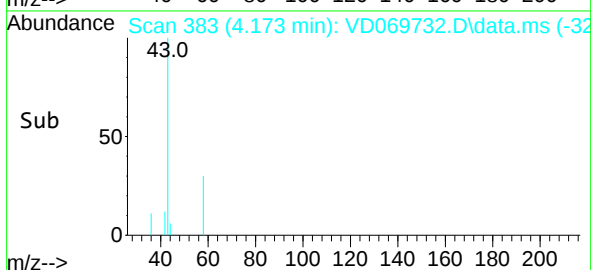
Tgt Ion: 53 Resp: 1646
Ion Ratio Lower Upper
53 100
52 0.0 64.8 97.2#
51 0.0 28.2 42.2#

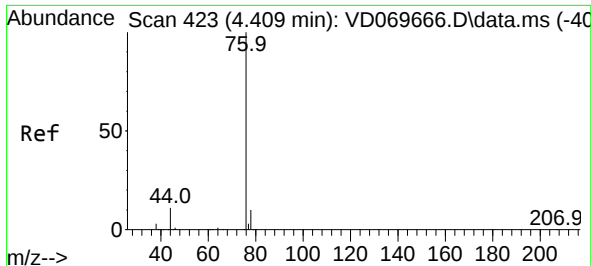


#16
Acetone
Concen: 15.998 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.017 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30



Tgt Ion: 43 Resp: 4049
Ion Ratio Lower Upper
43 100
58 29.5 28.6 42.8

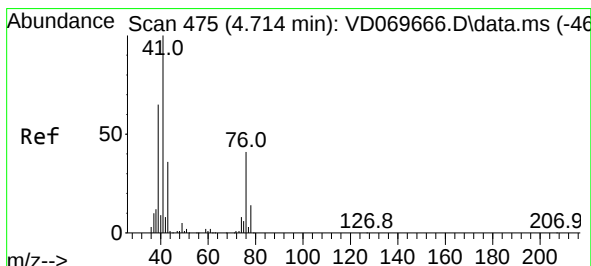
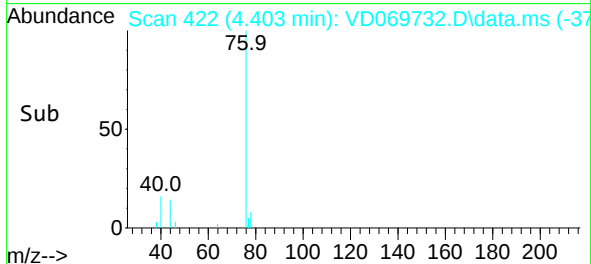
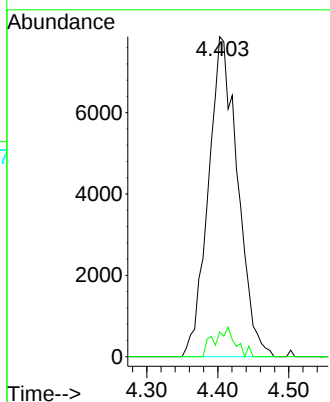
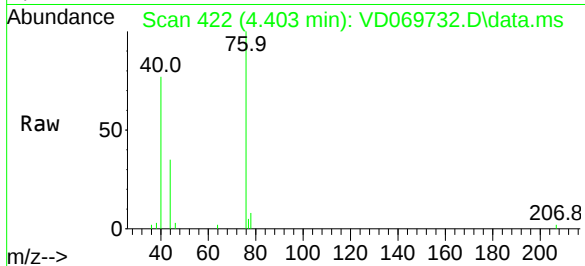




#17
Carbon Disulfide
Concen: 1.630 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30

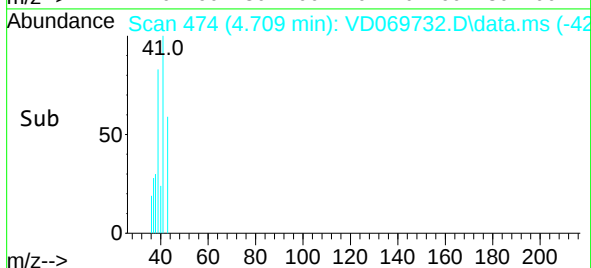
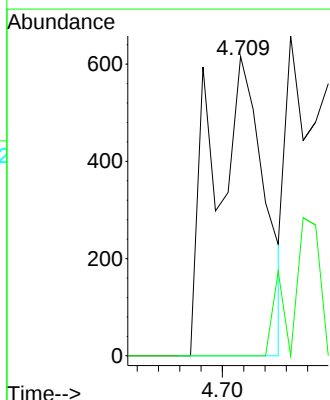
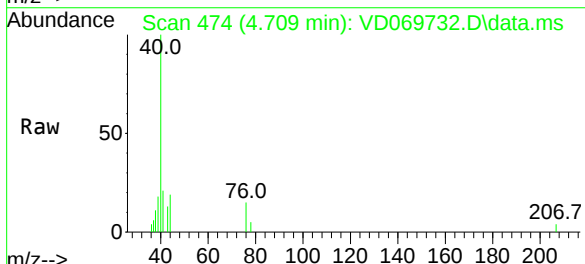
Instrument :
MSVOA_D
ClientSampled :

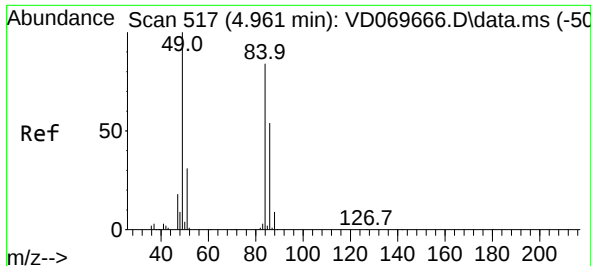
Tgt Ion: 76 Resp: 22552
Ion Ratio Lower Upper
76 100
78 7.7 7.6 11.4



#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. -0.005 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30

Tgt Ion: 43 Resp: 1022
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#

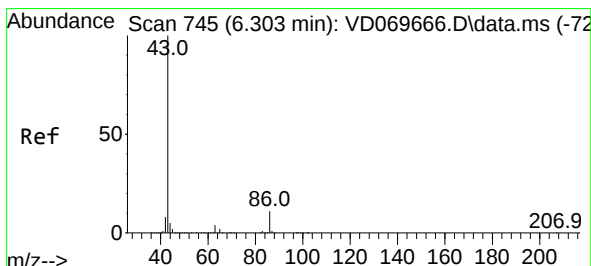
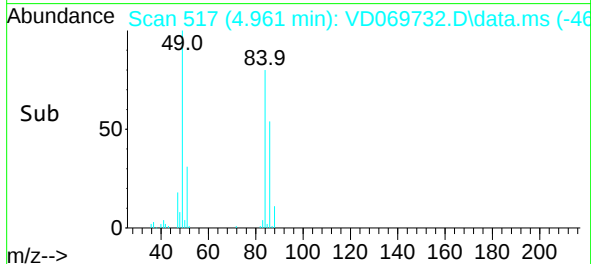
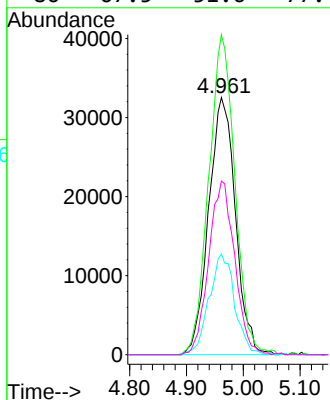
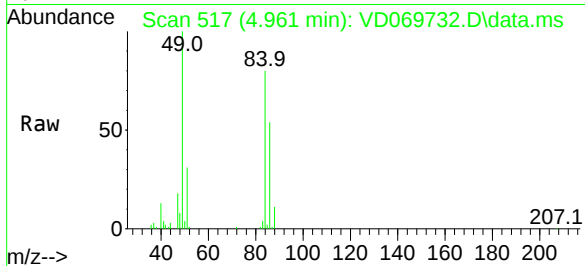




#20
Methylene Chloride
Concen: 8.134 ug/l
RT: 4.961 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30

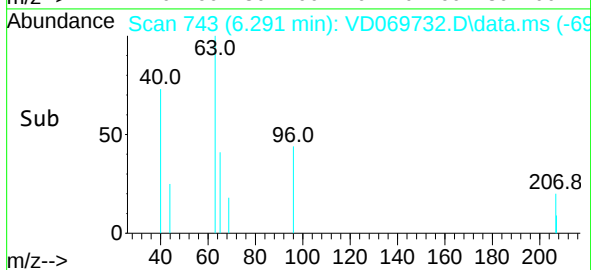
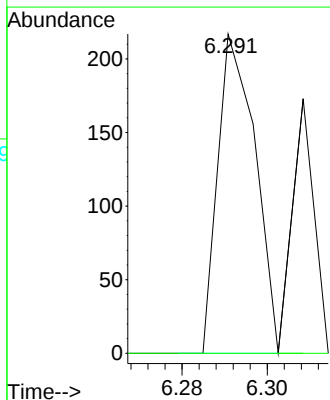
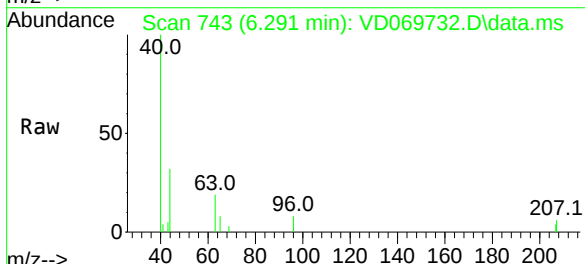
Instrument :
MSVOA_D
ClientSampled :

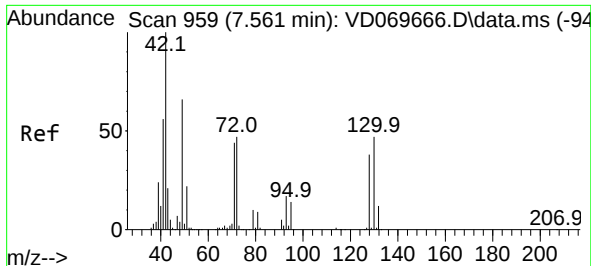
Tgt Ion:	84	Resp:	106457
Ion	Ratio	Lower	Upper
84	100		
49	124.4	95.5	143.3
51	39.1	29.7	44.5
86	67.5	51.6	77.4



#23
Vinyl Acetate
Concen: 15.438 ug/l
RT: 6.291 min Scan# 743
Delta R.T. -0.012 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30

Tgt Ion:	43	Resp:	132
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#





#29

Tetrahydrofuran

Concen: 1.614 ug/l

RT: 7.561 min Scan# 959

Delta R.T. 0.000 min

Lab File: VD069732.D

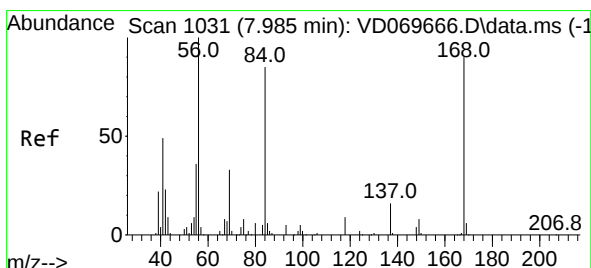
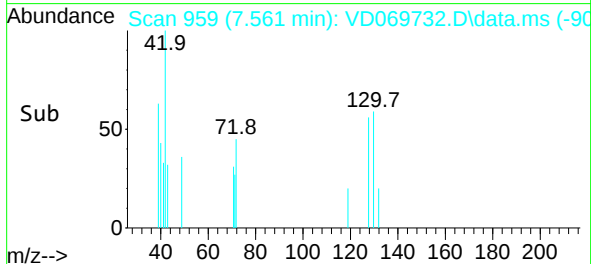
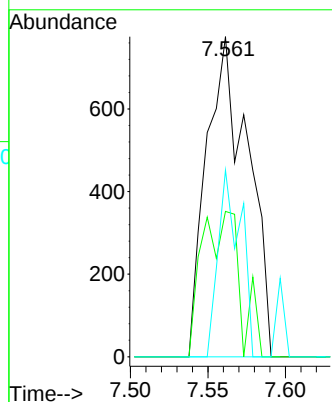
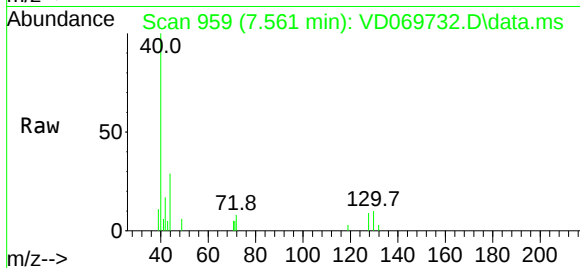
Acq: 16 Jul 2021 18:30

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	42	Resp:	1435
Ion Ratio	Lower	Upper	
42	100		
72	42.0	36.5	54.7
71	32.0	33.4	50.0#



#31

Cyclohexane

Concen: 2.009 ug/l

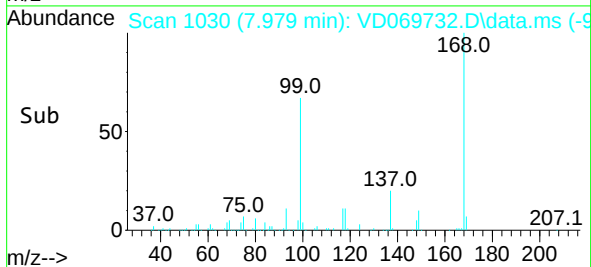
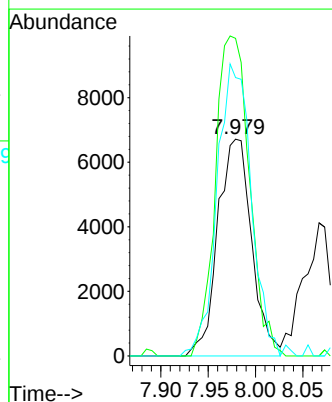
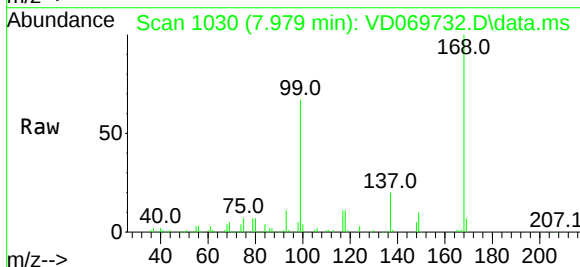
RT: 7.979 min Scan# 1030

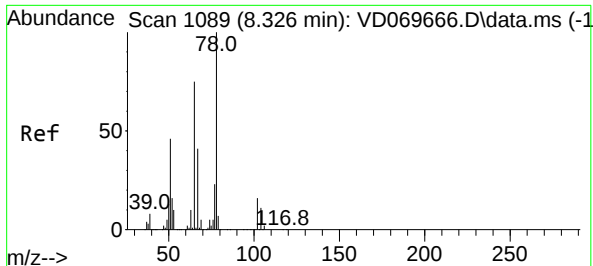
Delta R.T. -0.006 min

Lab File: VD069732.D

Acq: 16 Jul 2021 18:30

Tgt Ion:	56	Resp:	16713
Ion Ratio	Lower	Upper	
56	100		
69	146.5	26.6	39.8#
84	128.4	68.2	102.2#

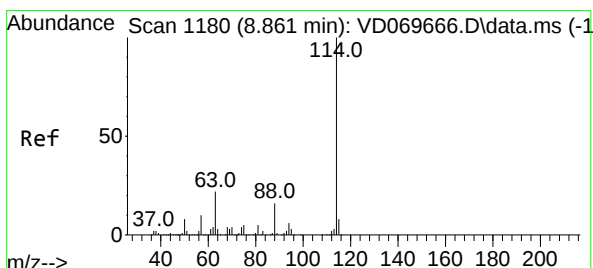
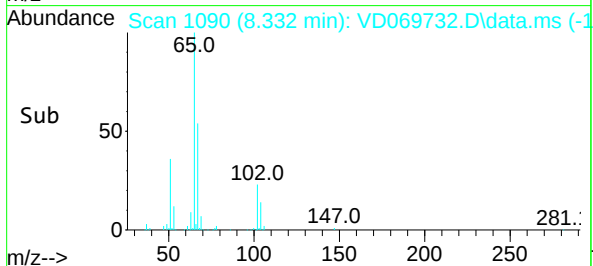
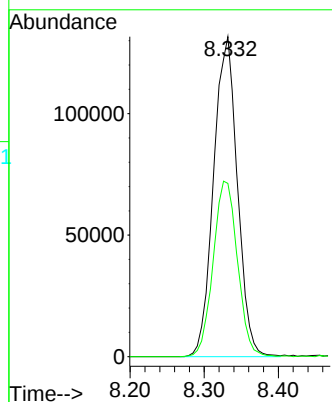
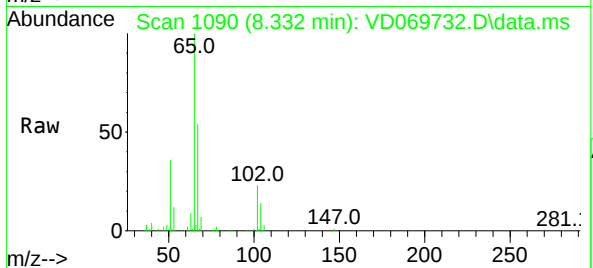




#33
1,2-Dichloroethane-d4
Concen: 48.356 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30

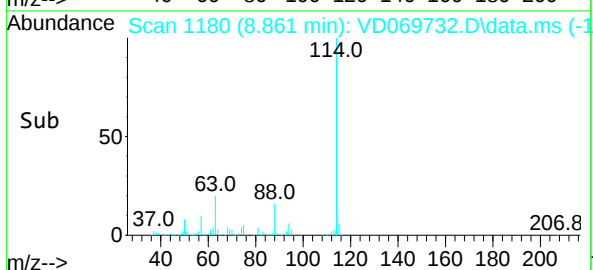
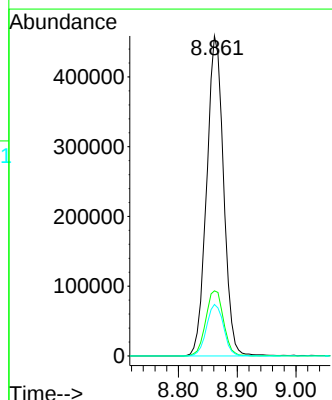
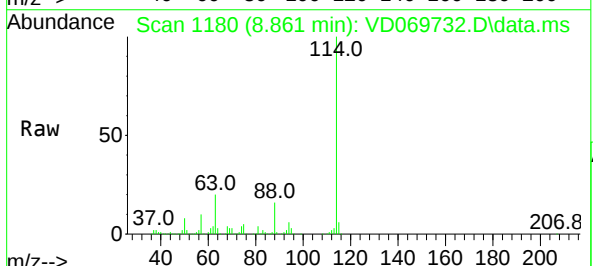
Instrument :
MSVOA_D
ClientSampled :

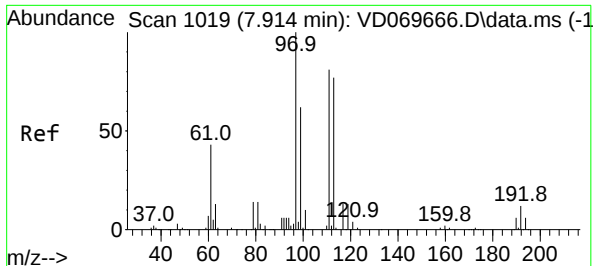
Tgt Ion: 65 Resp: 293602
Ion Ratio Lower Upper
65 100
67 56.1 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30

Tgt Ion: 114 Resp: 915211
Ion Ratio Lower Upper
114 100
63 20.3 0.0 43.4
88 16.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.742 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD069732.D

Acq: 16 Jul 2021 18:30

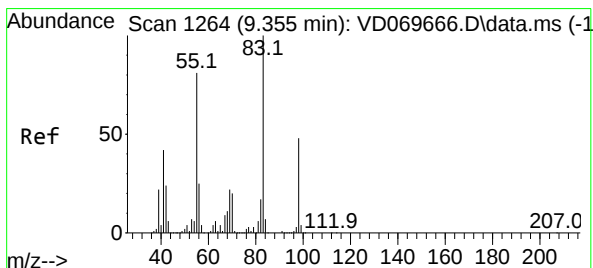
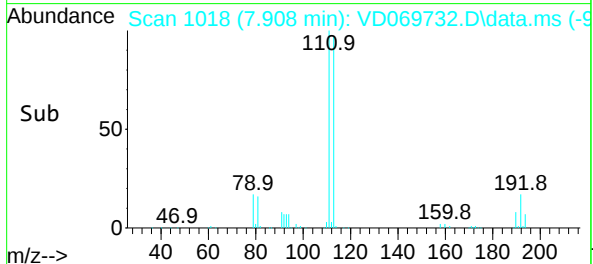
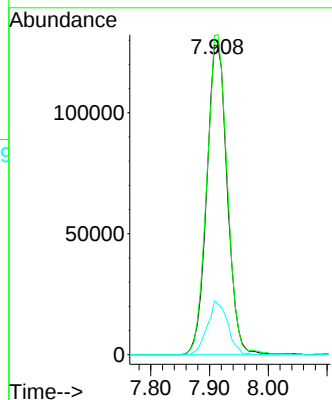
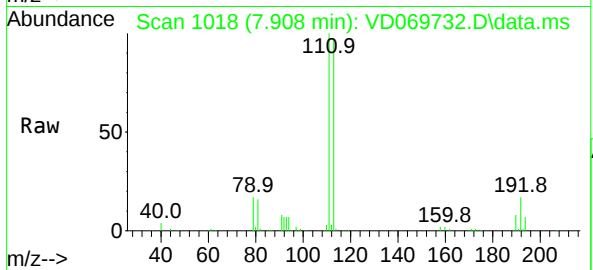
Tgt Ion:113 Resp: 311555

Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 17.2 12.7 19.1



#39

Methylcyclohexane

Concen: 2.373 ug/l

RT: 9.355 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VD069732.D

Acq: 16 Jul 2021 18:30

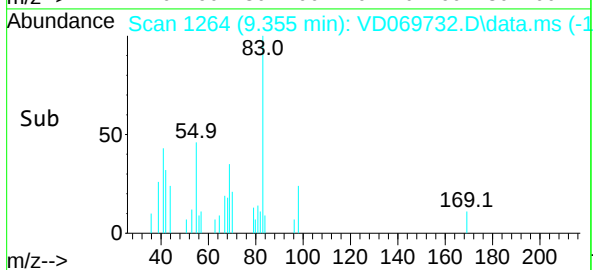
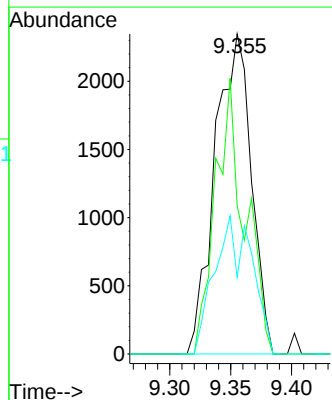
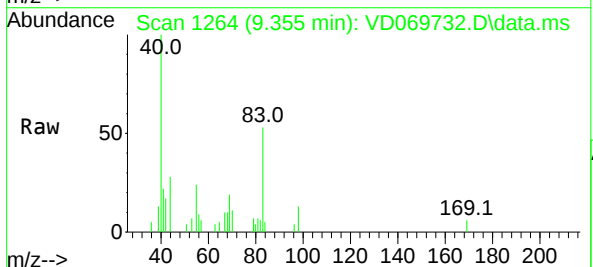
Tgt Ion: 83 Resp: 4870

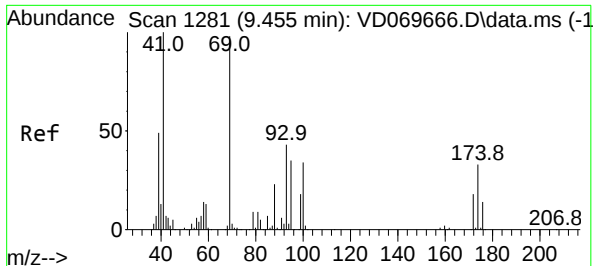
Ion Ratio Lower Upper

83 100

55 46.4 64.6 97.0#

98 24.0 38.4 57.6#





#48

Methyl methacrylate

Concen: 1.395 ug/l

RT: 9.461 min Scan# 1282

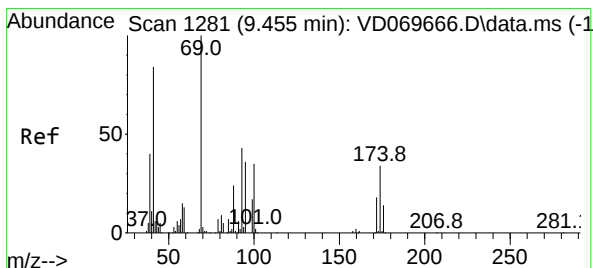
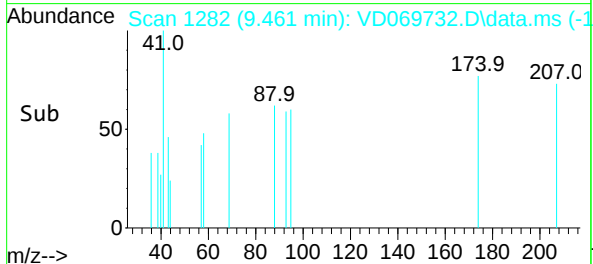
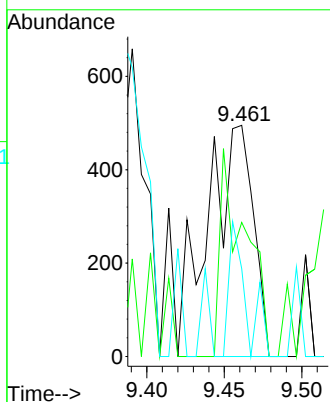
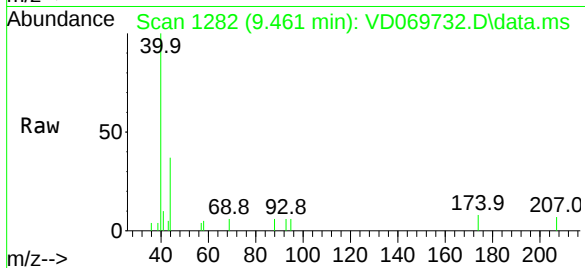
Delta R.T. 0.006 min

Lab File: VD069732.D

Acq: 16 Jul 2021 18:30

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	41	Resp:	1017
Ion	Ratio	Lower	Upper
41	100		
69	49.5	71.6	107.4#
39	22.1	36.7	55.1#



#49

1,4-Dioxane

Concen: 106.642 ug/l

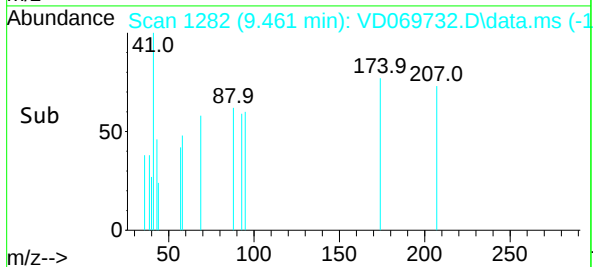
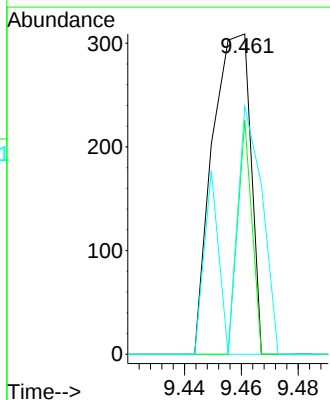
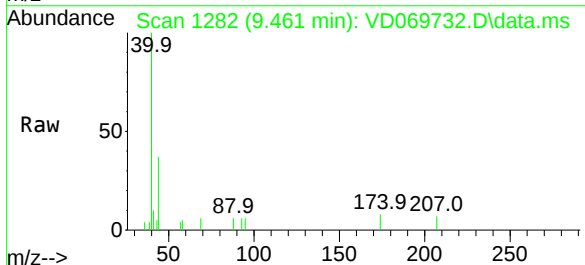
RT: 9.461 min Scan# 1282

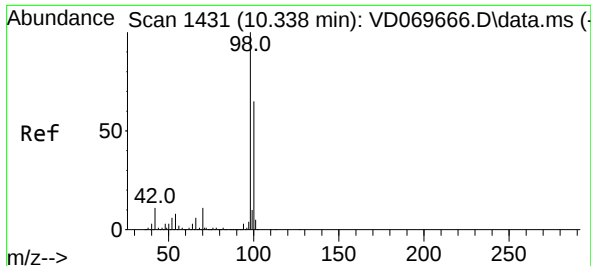
Delta R.T. 0.006 min

Lab File: VD069732.D

Acq: 16 Jul 2021 18:30

Tgt Ion:	88	Resp:	288
Ion	Ratio	Lower	Upper
88	100		
43	27.8	25.3	37.9
58	71.2	62.6	94.0

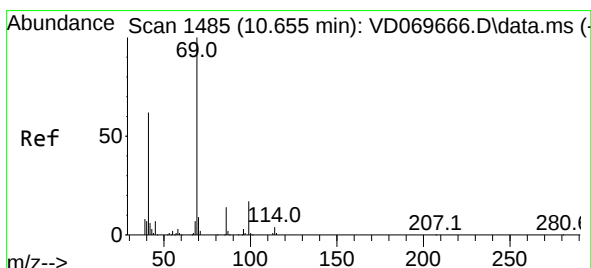
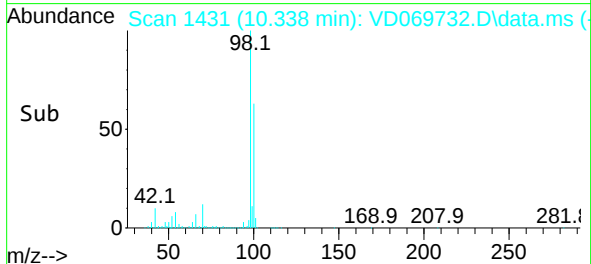
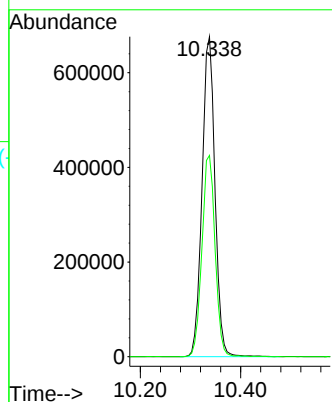
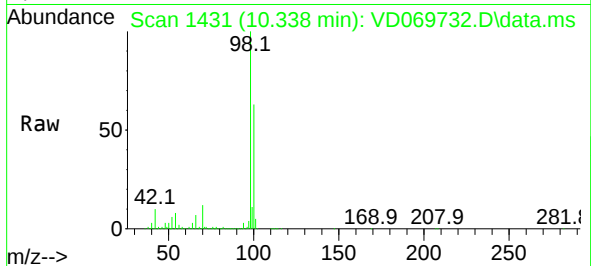




#50
Toluene-d8
Concen: 50.647 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30

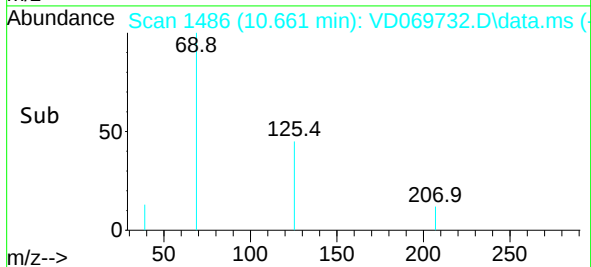
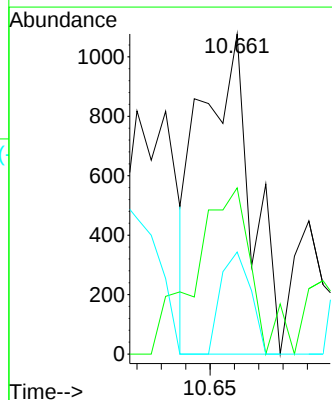
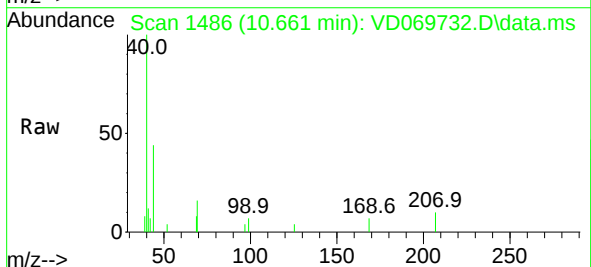
Instrument :
MSVOA_D
ClientSampleId :

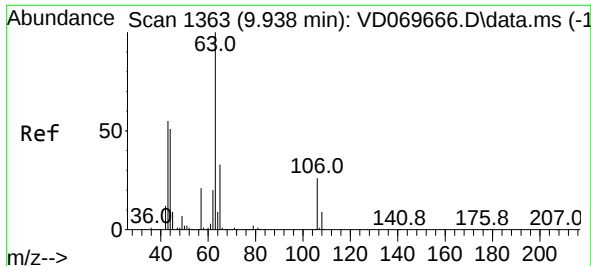
Tgt Ion: 98 Resp: 1208123
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.906 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30

Tgt Ion: 69 Resp: 1560
Ion Ratio Lower Upper
69 100
41 58.6 49.5 74.3
39 18.8 22.5 33.7#

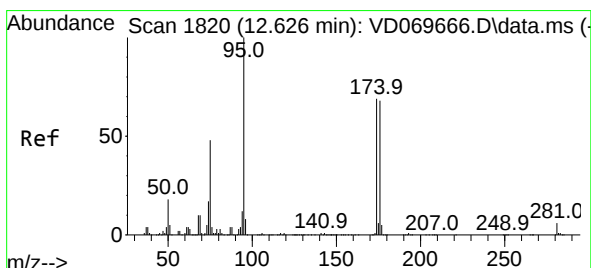
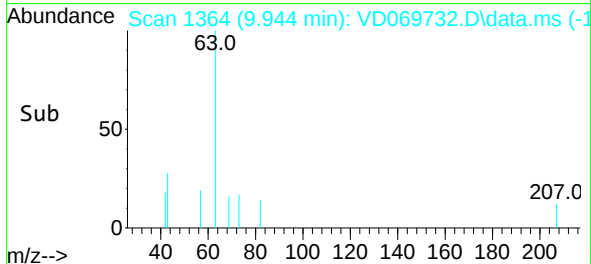
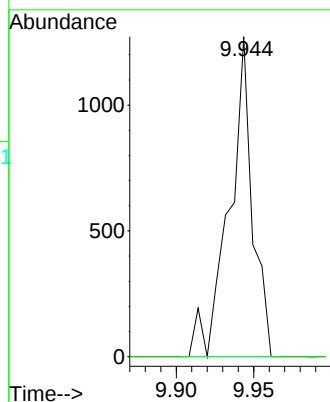
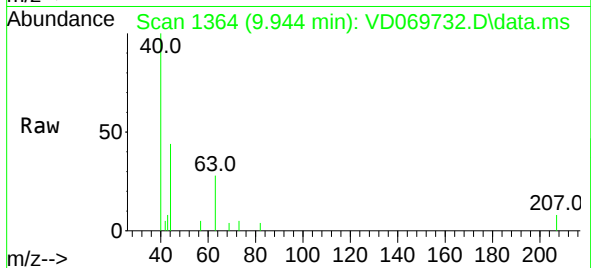




#58
2-Chloroethyl Vinyl ether
Concen: 9.817 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30

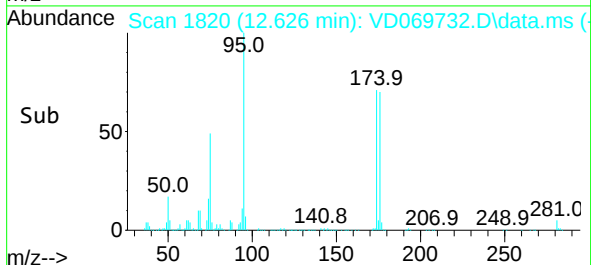
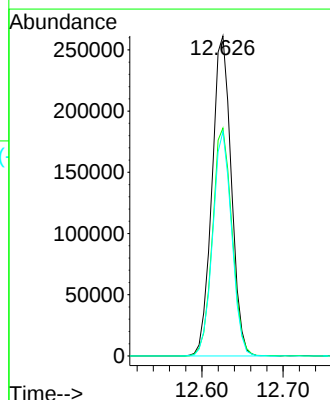
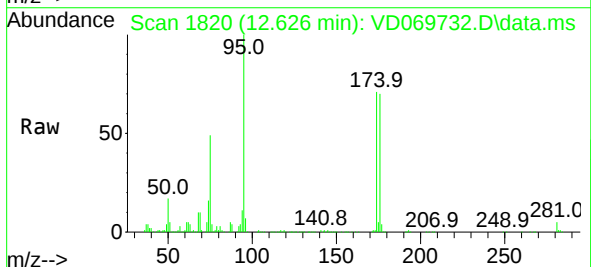
Instrument :
MSVOA_D
ClientSampled :

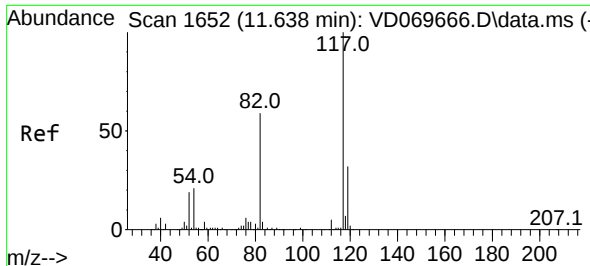
Tgt Ion: 63 Resp: 1321
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#



#62
4-Bromofluorobenzene
Concen: 54.201 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30

Tgt Ion: 95 Resp: 431195
Ion Ratio Lower Upper
95 100
174 71.9 0.0 140.0
176 68.8 0.0 136.2

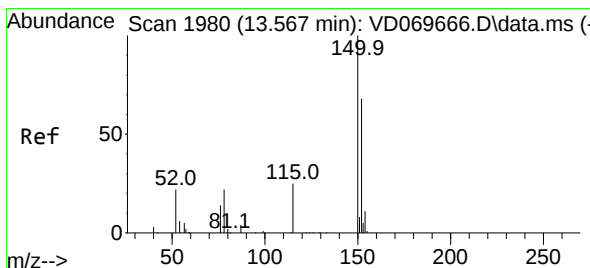
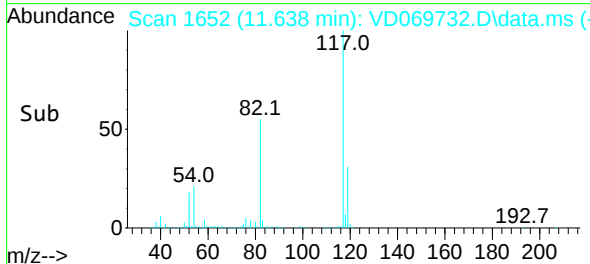
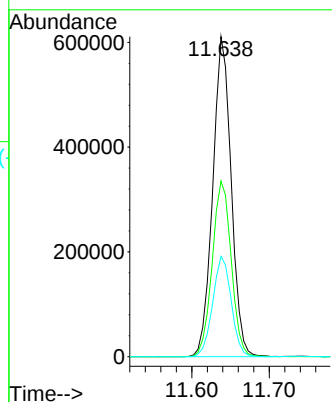
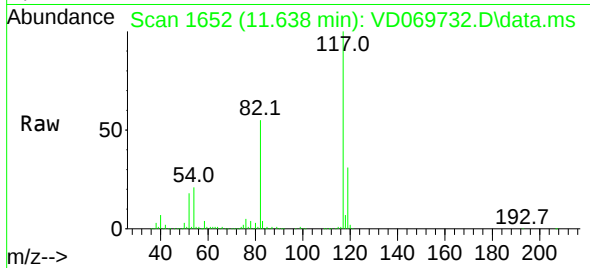




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30

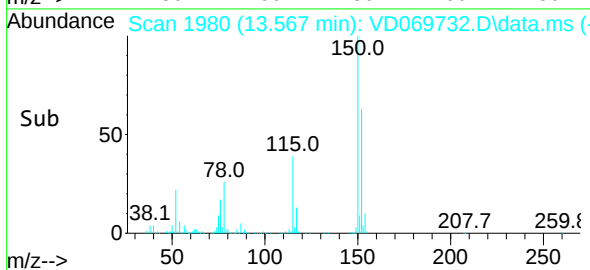
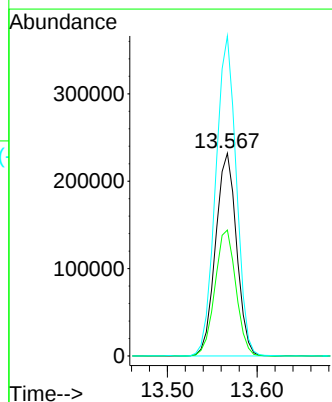
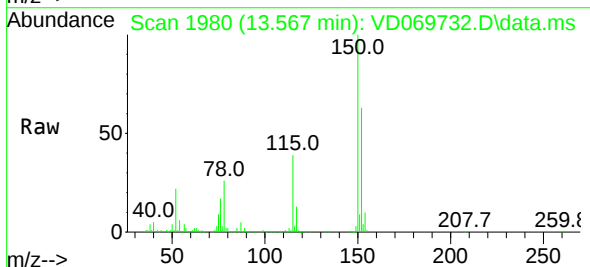
Instrument :
MSVOA_D
ClientSampleId :

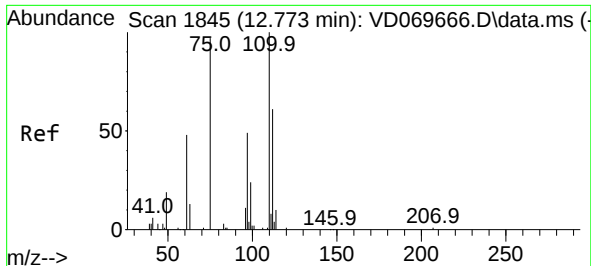
Tgt Ion:117 Resp: 1009387
Ion Ratio Lower Upper
117 100
82 54.9 47.4 71.2
119 31.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30

Tgt Ion:152 Resp: 375885
Ion Ratio Lower Upper
152 100
115 62.4 31.7 95.1
150 155.7 0.0 350.4

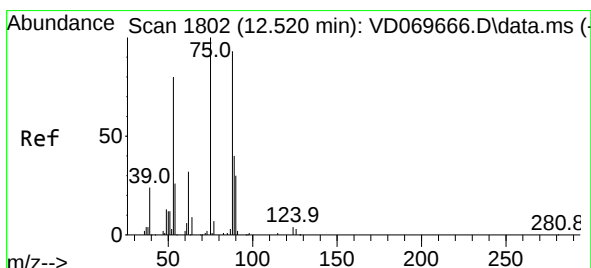
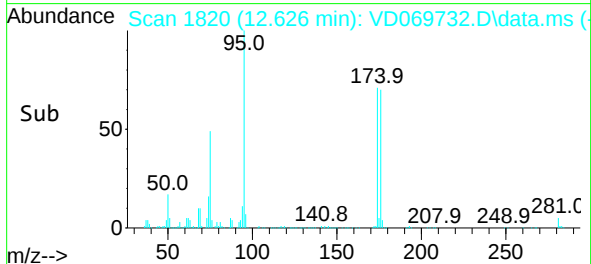
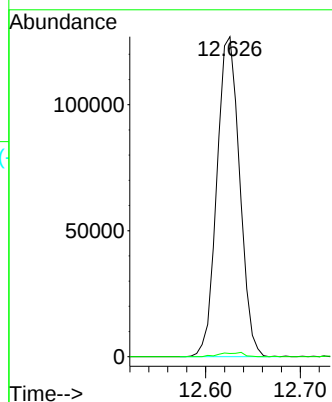
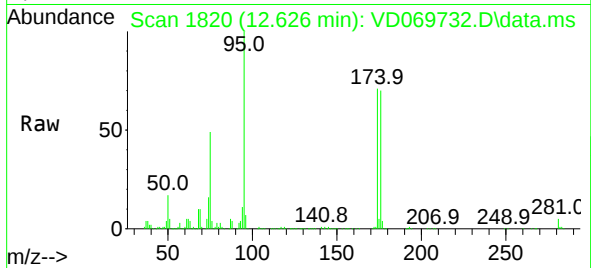




#76
1,2,3-Trichloropropane
Concen: 58.155 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30

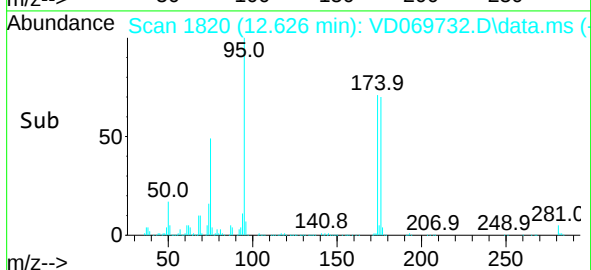
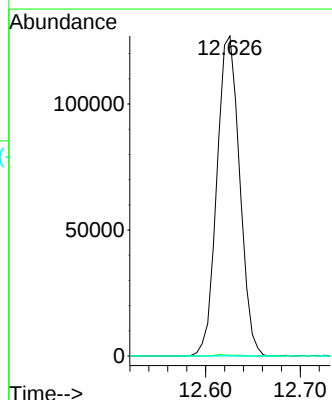
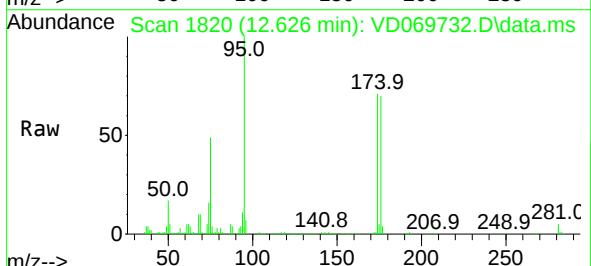
Instrument :
MSVOA_D
ClientSampleId :

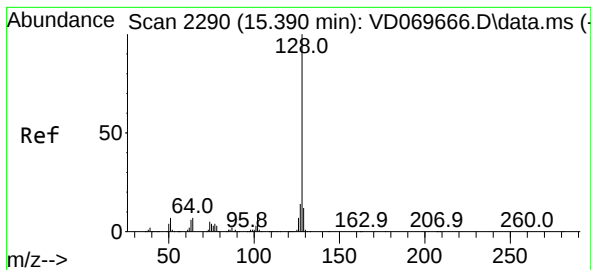
Tgt Ion: 75 Resp: 212361
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 156.290 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30

Tgt Ion: 75 Resp: 212361
Ion Ratio Lower Upper
75 100
53 0.3 70.6 106.0#
89 0.1 35.1 52.7#





#95
Naphthalene
Concen: 2.362 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069732.D
Acq: 16 Jul 2021 18:30

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 1955
Ion Ratio Lower Upper
128 100
127 9.3 10.6 16.0#
129 0.0 8.8 13.2#

