

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071421\
 Data File : VD069694.D
 Acq On : 14 Jul 2021 18:08
 Operator : VA/SY
 Sample : M2997-01RE
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 15 03:31:55 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)

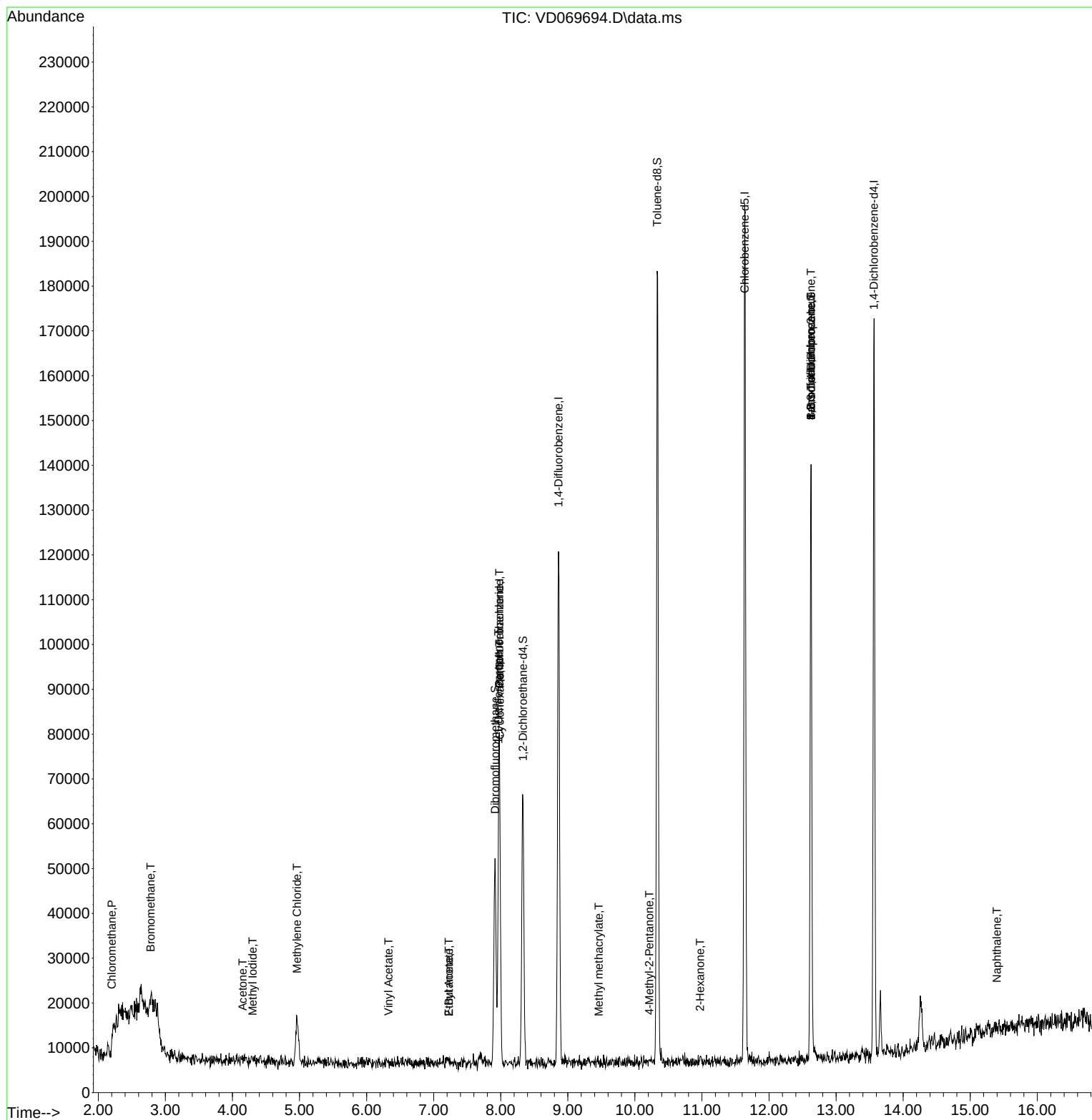
Internal Standards						
1) Pentafluorobenzene	7.979	168	51404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	99891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	114590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	43567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	47830	74.519	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 149.040%			
35) Dibromofluoromethane	7.914	113	32495	48.489	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.980%			
50) Toluene-d8	10.332	98	123862	47.575	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.140%			
62) 4-Bromofluorobenzene	12.626	95	44001	50.675	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.340%			
Target Compounds						Qvalue
3) Chloromethane	2.203	50	1290	1.495	ug/l #	48
5) Bromomethane	2.779	94	2758	4.132	ug/l	99
10) Methyl Iodide	4.303	142	1572	4.805	ug/l #	61
16) Acetone	4.150	43	2015	26.629	ug/l #	39
18) Methyl Acetate	4.732	43	71	Below Cal	#	49
20) Methylene Chloride	4.962	84	7214	3.444	ug/l #	94
23) Vinyl Acetate	6.326	43	68	15.488	ug/l #	72
25) 2-Butanone	7.226	43	1399	9.222	ug/l #	47
31) Cyclohexane	7.985	56	1280	1.567	ug/l #	39
36) 1,1-Dichloropropene	7.967	75	4913	4.767	ug/l #	50
37) Ethyl Acetate	7.226	43	1399	3.589	ug/l #	67
38) Carbon Tetrachloride	7.979	117	5851	6.200	ug/l #	18
48) Methyl methacrylate	9.461	41	56	1.250	ug/l #	1
51) 4-Methyl-2-Pentanone	10.214	43	544	1.472	ug/l #	34
59) 2-Hexanone	10.973	43	736	2.987	ug/l #	36
71) Bromoform	12.626	173	544	1.372	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	22891	54.085	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	22891	145.351	ug/l #	15
95) Naphthalene	15.396	128	456	2.521	ug/l #	69

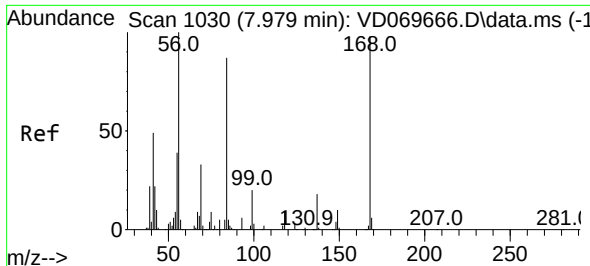
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 15 03:31:55 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

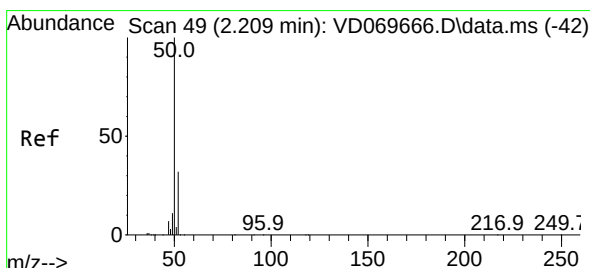
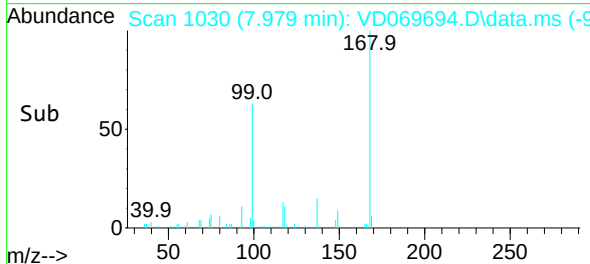
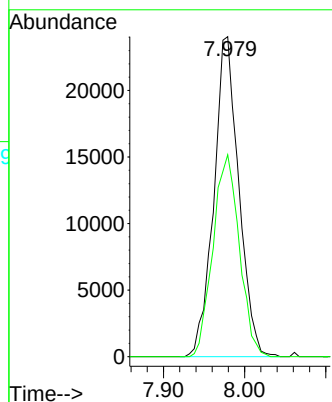
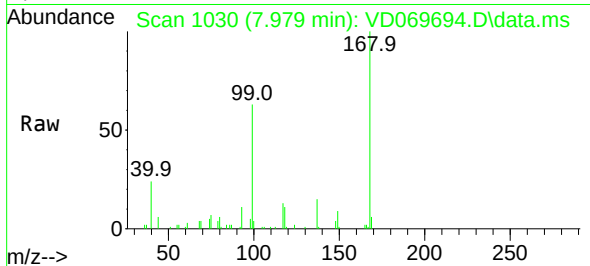




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

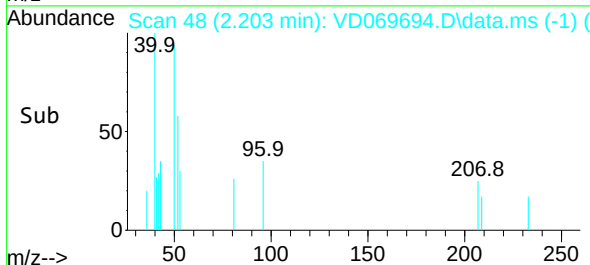
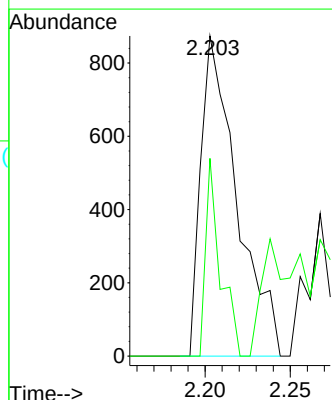
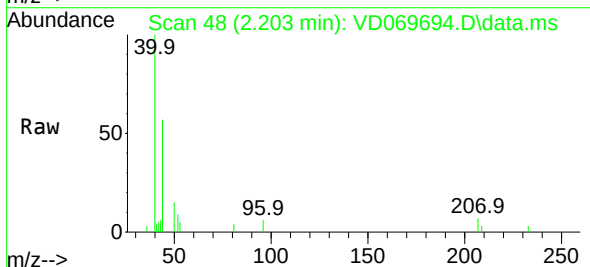
Instrument :
MSVOA_D
ClientSampled :

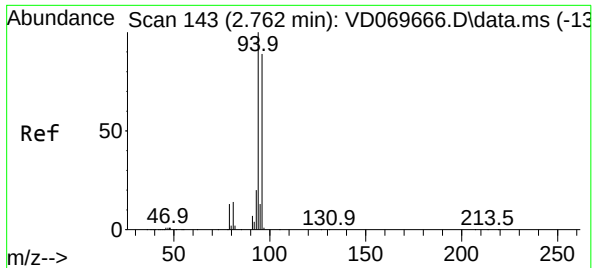
Tgt Ion:168 Resp: 51404
Ion Ratio Lower Upper
168 100
99 63.1 51.8 77.6



#3
Chloromethane
Concen: 1.495 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

Tgt Ion: 50 Resp: 1290
Ion Ratio Lower Upper
50 100
52 61.8 25.9 38.9#

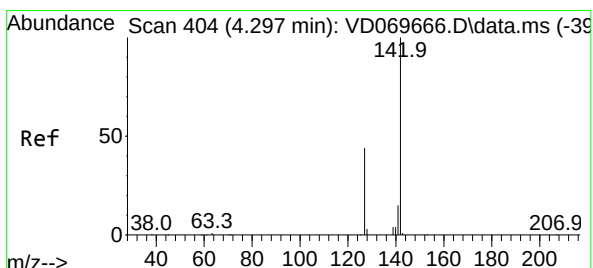
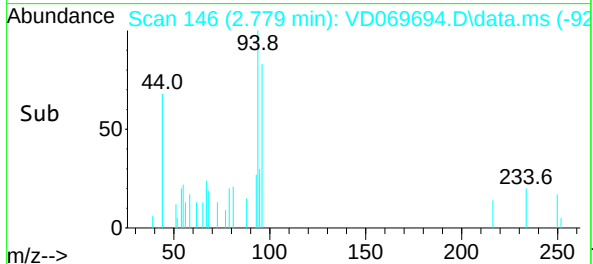
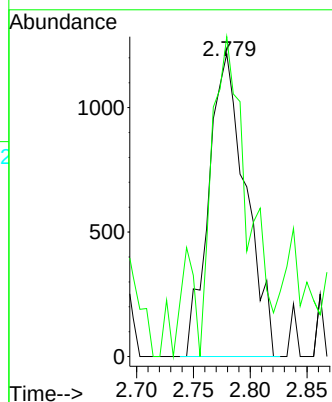
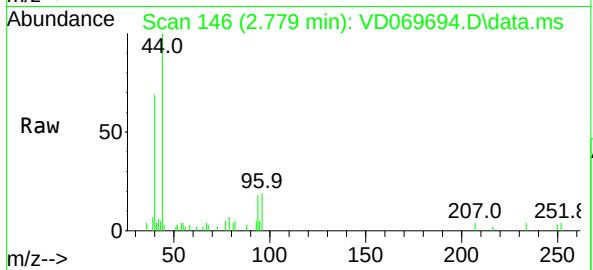




#5
Bromomethane
Concen: 4.132 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

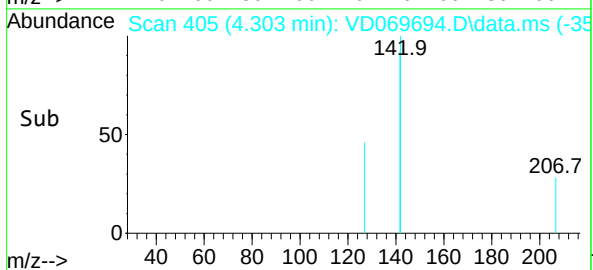
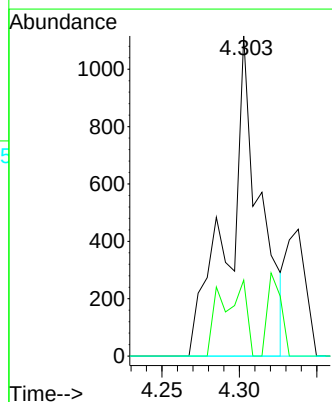
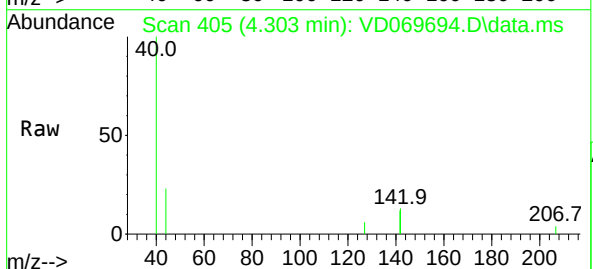
Instrument :
MSVOA_D
ClientSampleId :

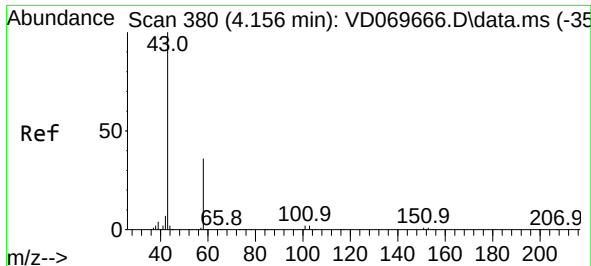
Tgt Ion: 94 Resp: 2758
Ion Ratio Lower Upper
94 100
96 87.9 71.2 106.8



#10
Methyl Iodide
Concen: 4.805 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

Tgt Ion:142 Resp: 1572
Ion Ratio Lower Upper
142 100
127 18.8 36.1 54.1#
141 0.0 11.6 17.4#

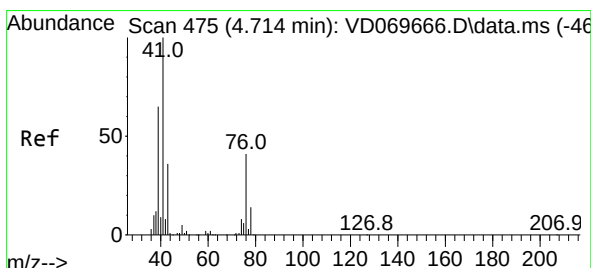
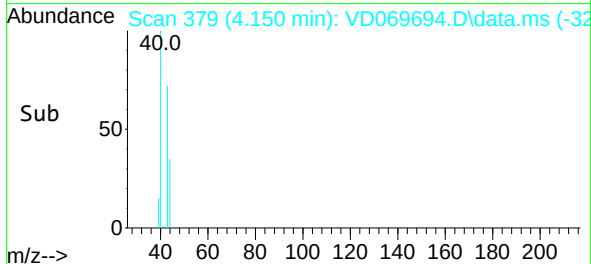
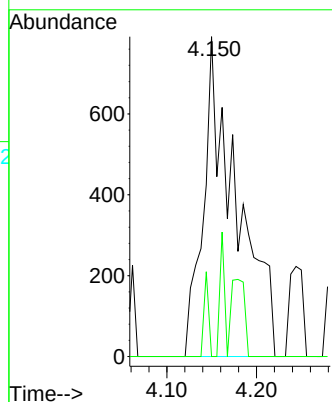
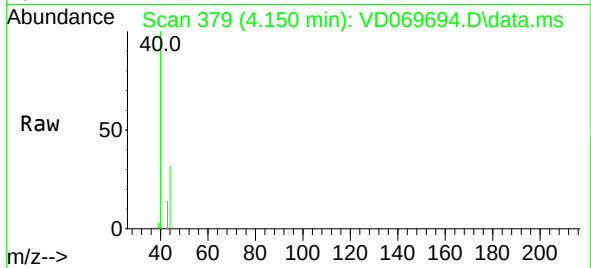




#16
Acetone
Concen: 26.629 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

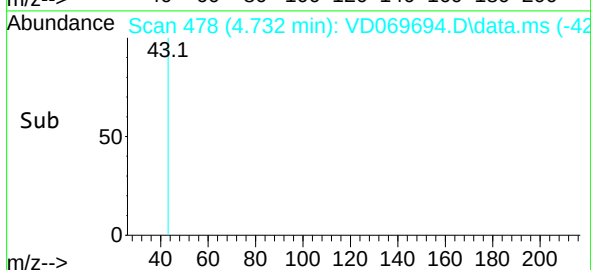
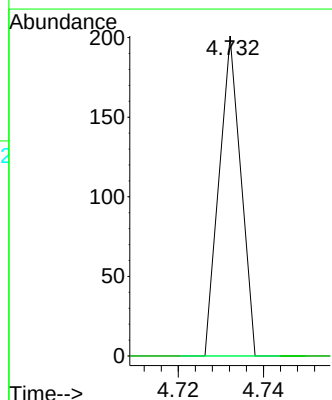
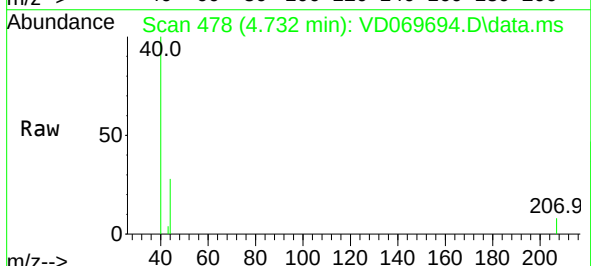
Instrument :
MSVOA_D
ClientSampleId :

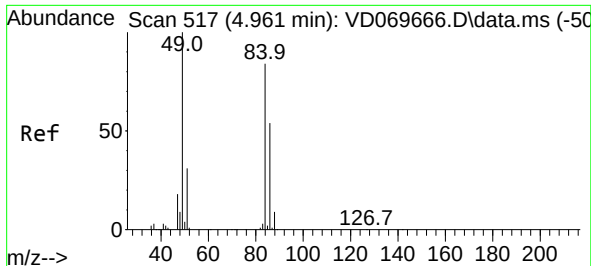
Tgt Ion: 43 Resp: 2015
Ion Ratio Lower Upper
43 100
58 0.0 28.6 42.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.018 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

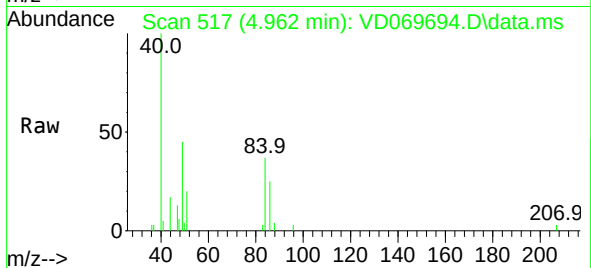
Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



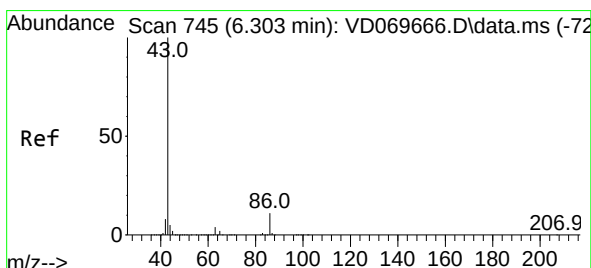
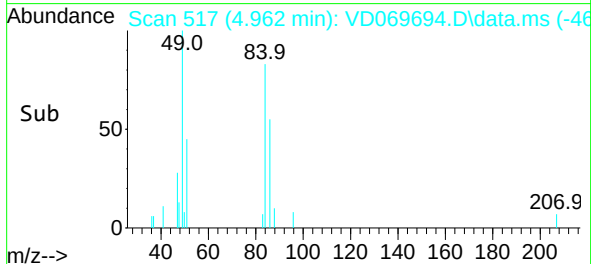
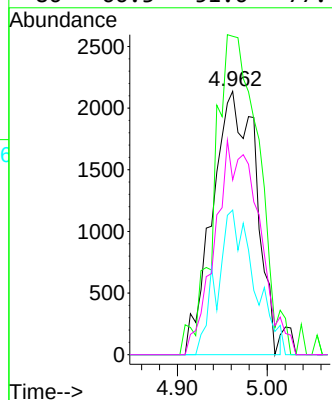


#20
Methylene Chloride
Concen: 3.444 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.001 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

Instrument :
MSVOA_D
ClientSampleId :

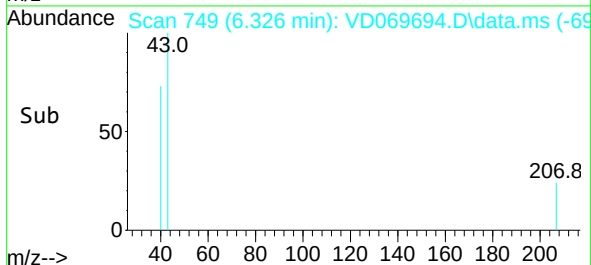
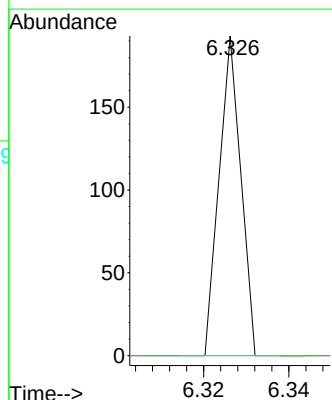
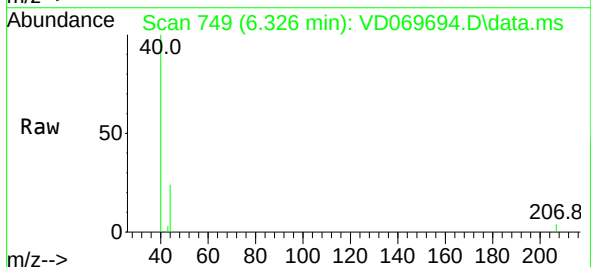


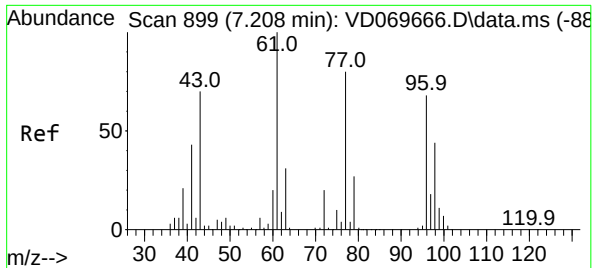
Tgt Ion:	84	Resp:	7214
Ion	Ratio	Lower	Upper
84	100		
49	120.9	95.5	143.3
51	54.9	29.7	44.5#
86	66.3	51.6	77.4



#23
Vinyl Acetate
Concen: 15.488 ug/l
RT: 6.326 min Scan# 749
Delta R.T. 0.023 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

Tgt Ion:	43	Resp:	68
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#

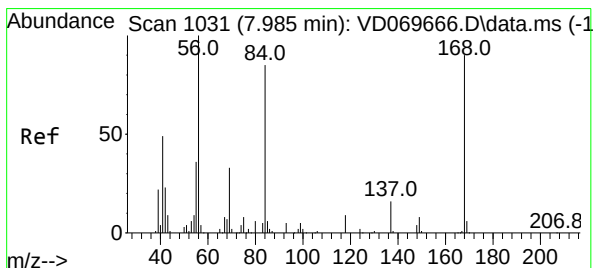
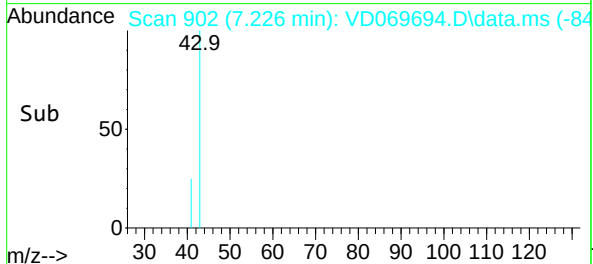
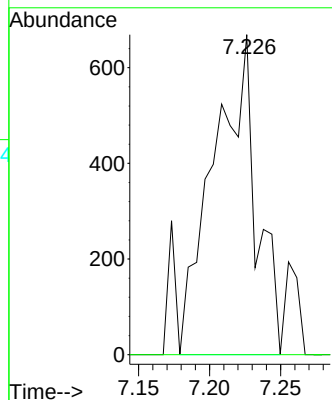
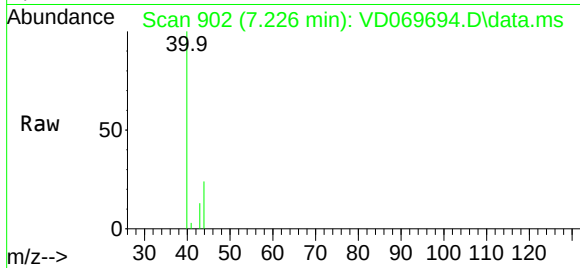




#25
2-Butanone
Concen: 9.222 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.018 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

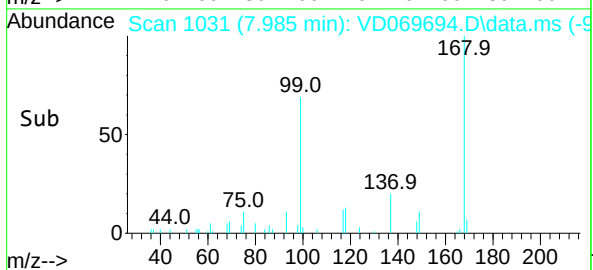
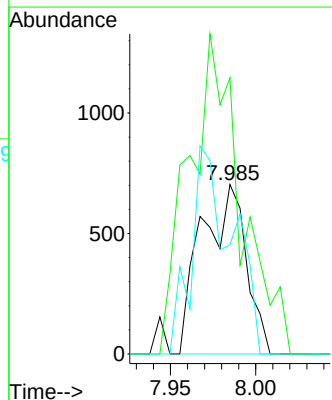
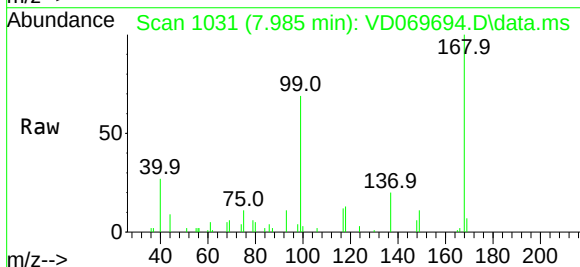
Instrument :
MSVOA_D
ClientSampled :

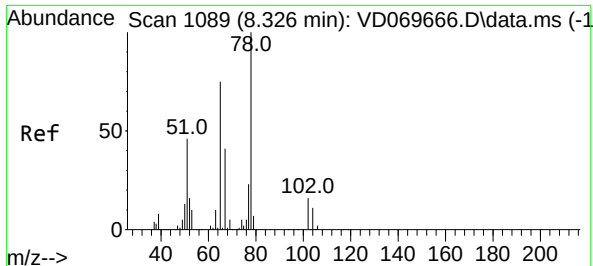
Tgt Ion: 43 Resp: 1399
Ion Ratio Lower Upper
43 100
72 0.0 22.6 33.8#



#31
Cyclohexane
Concen: 1.567 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

Tgt Ion: 56 Resp: 1280
Ion Ratio Lower Upper
56 100
69 123.5 26.6 39.8#
84 64.4 68.2 102.2#

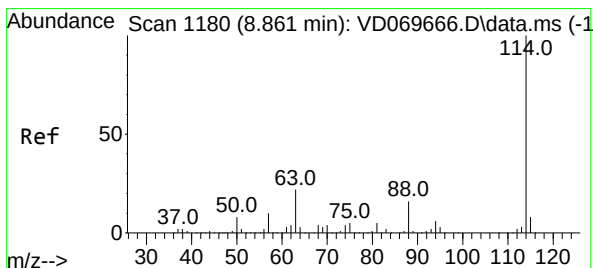
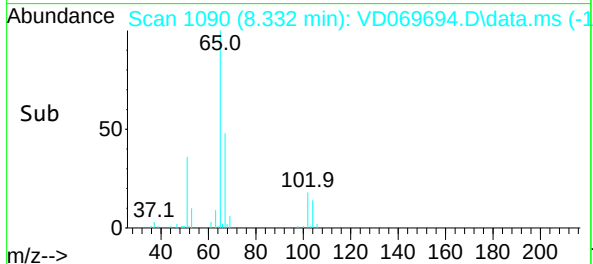
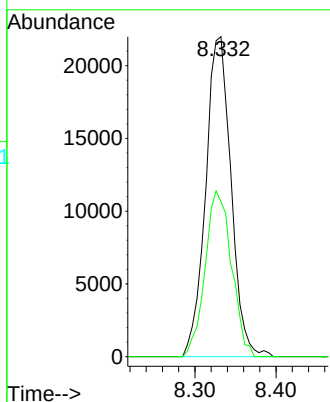
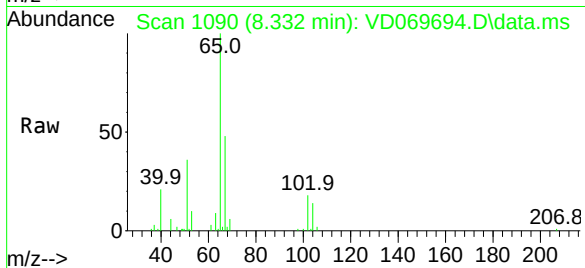




#33
1,2-Dichloroethane-d4
Concen: 74.519 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

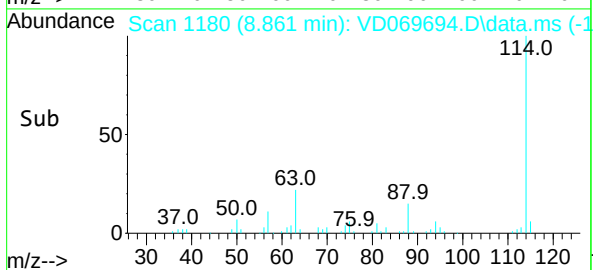
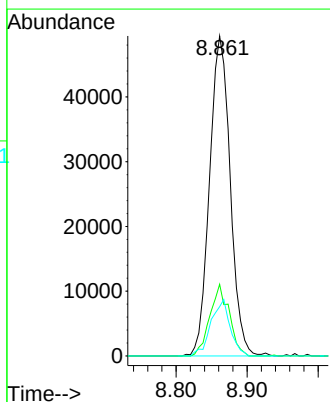
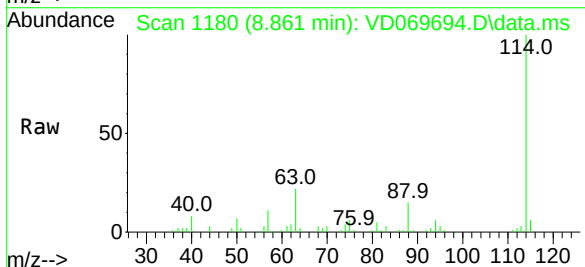
Instrument :
MSVOA_D
ClientSampleId :

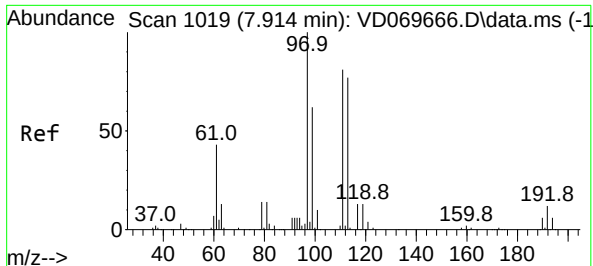
Tgt Ion: 65 Resp: 47830
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

Tgt Ion: 114 Resp: 99891
Ion Ratio Lower Upper
114 100
63 22.4 0.0 43.4
88 15.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.489 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069694.D

Acq: 14 Jul 2021 18:08

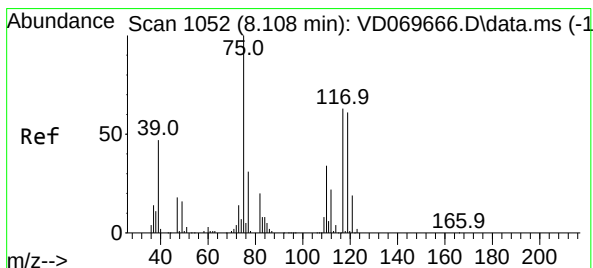
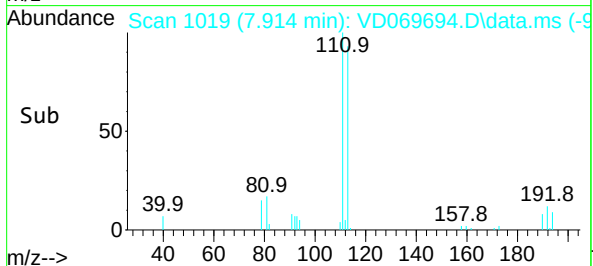
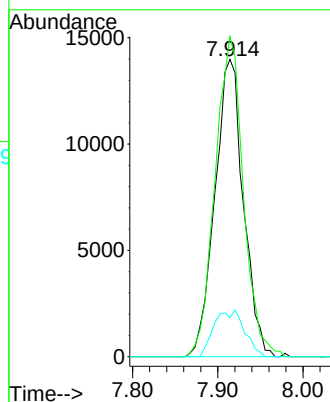
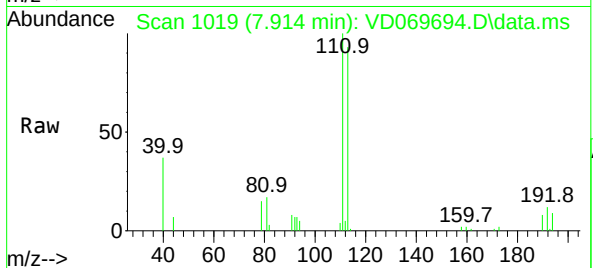
Tgt Ion:113 Resp: 32495

Ion Ratio Lower Upper

113 100

111 107.1 82.6 123.8

192 16.8 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.767 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD069694.D

Acq: 14 Jul 2021 18:08

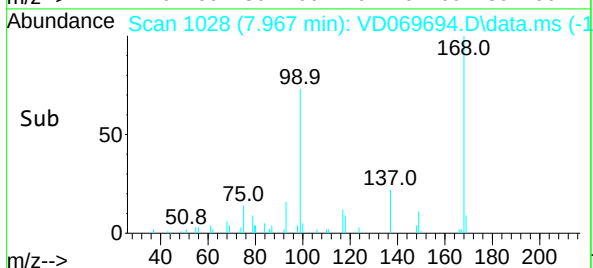
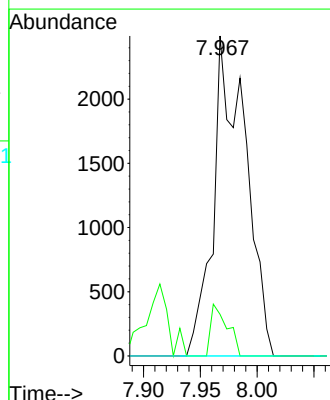
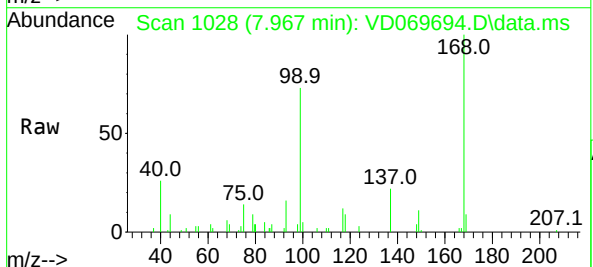
Tgt Ion: 75 Resp: 4913

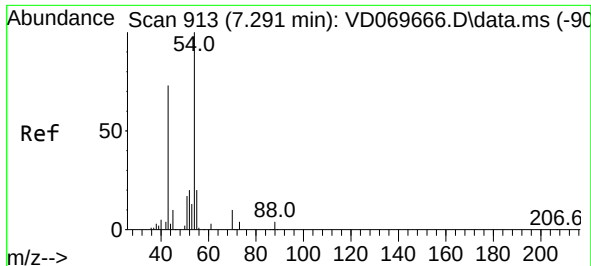
Ion Ratio Lower Upper

75 100

110 8.3 16.7 50.0#

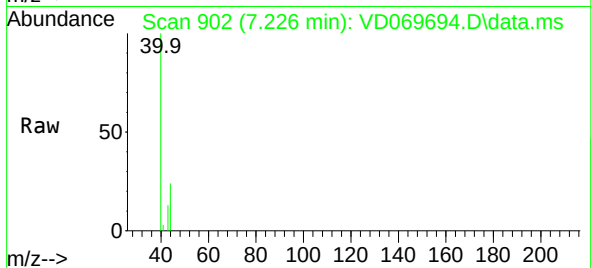
77 0.0 25.3 37.9#



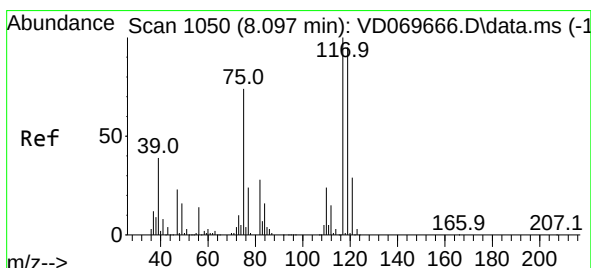
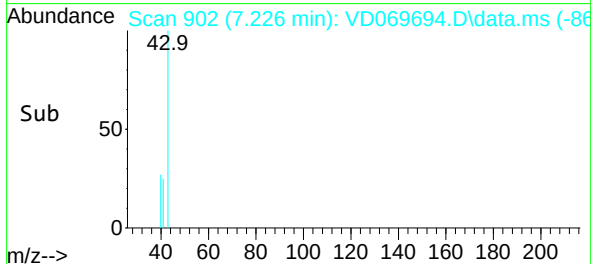
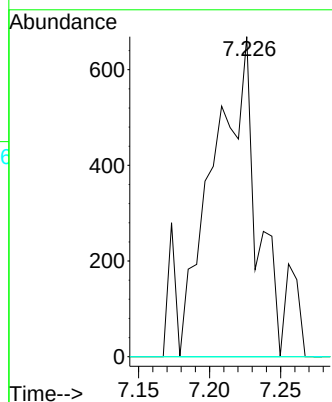


#37
Ethyl Acetate
Concen: 3.589 ug/l
RT: 7.226 min Scan# 902
Delta R.T. -0.065 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

Instrument :
MSVOA_D
ClientSampled :

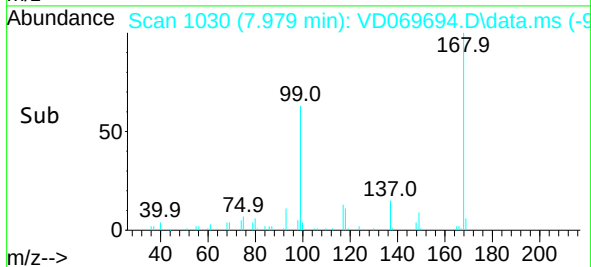
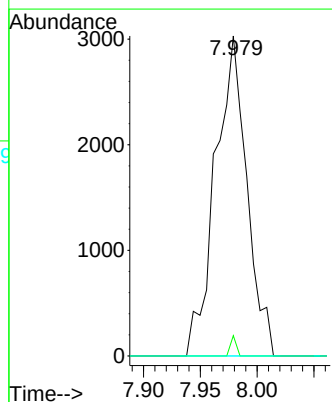
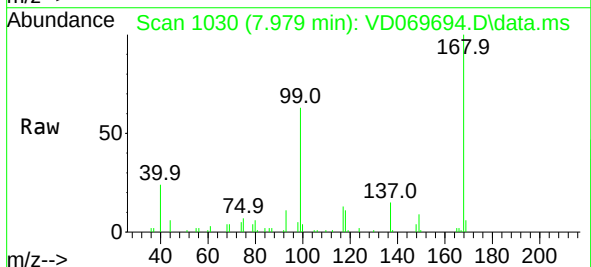


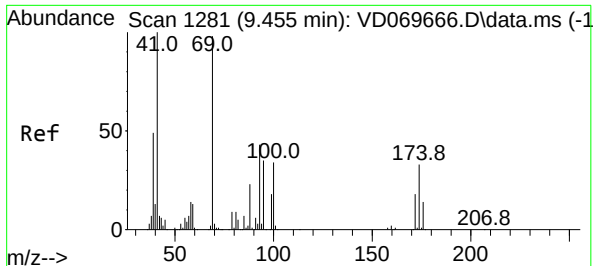
Tgt Ion: 43 Resp: 1399
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.200 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

Tgt Ion: 117 Resp: 5851
Ion Ratio Lower Upper
117 100
119 6.4 75.7 113.5#
121 0.0 23.0 34.6#





#48

Methyl methacrylate

Concen: 1.250 ug/l

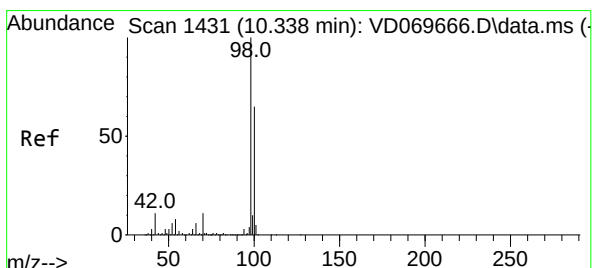
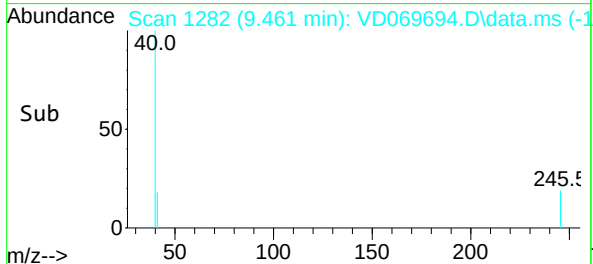
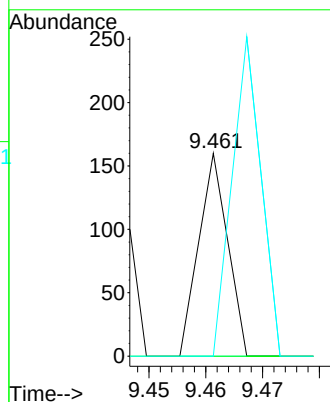
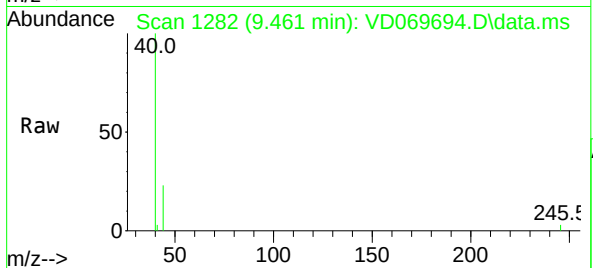
RT: 9.461 min Scan# 1282

Delta R.T. 0.006 min

Lab File: VD069694.D

Acq: 14 Jul 2021 18:08

Tgt Ion: 41	Resp: 56
Ion Ratio	Lower Upper
41 100	
69 0.0	71.6 107.4#
39 158.9	36.7 55.1#



#50

Toluene-d8

Concen: 47.575 ug/l

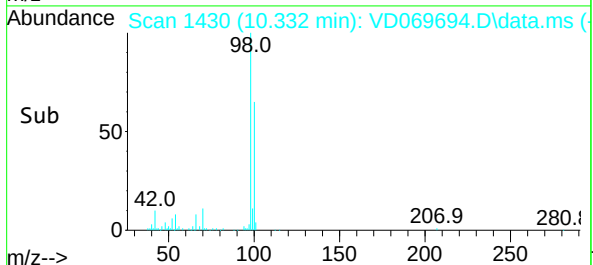
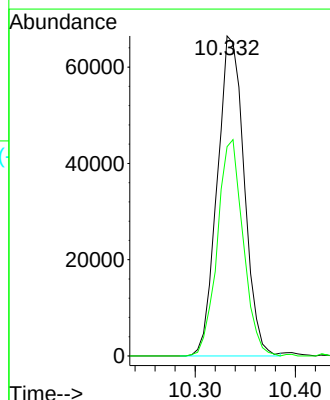
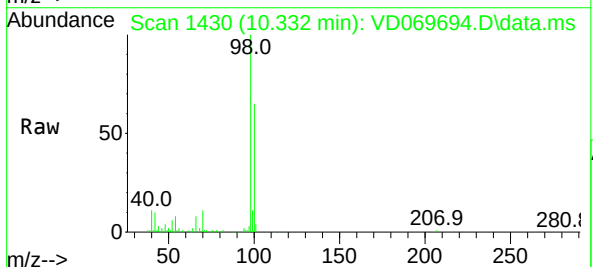
RT: 10.332 min Scan# 1430

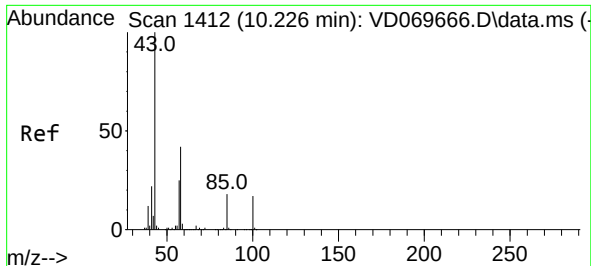
Delta R.T. -0.006 min

Lab File: VD069694.D

Acq: 14 Jul 2021 18:08

Tgt Ion: 98	Resp: 123862
Ion Ratio	Lower Upper
98 100	
100 64.8	52.2 78.2

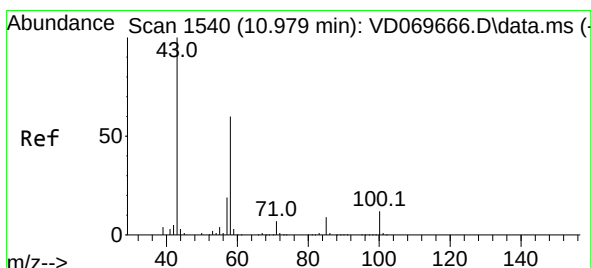
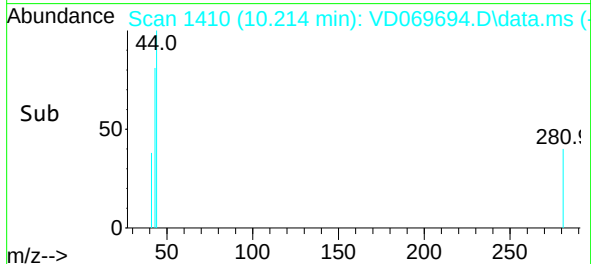
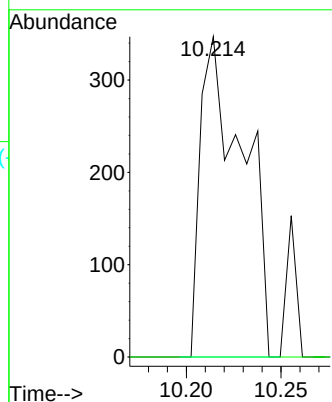
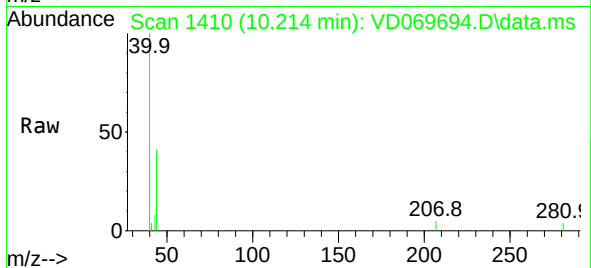




#51
4-Methyl-2-Pentanone
Concen: 1.472 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.012 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

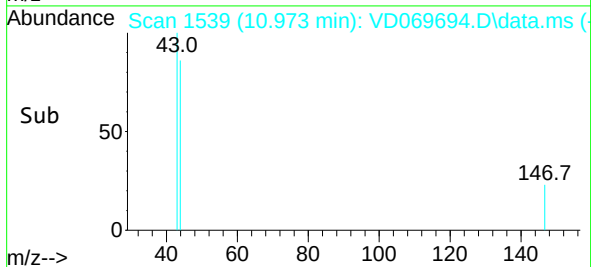
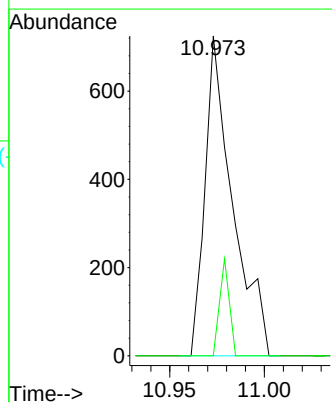
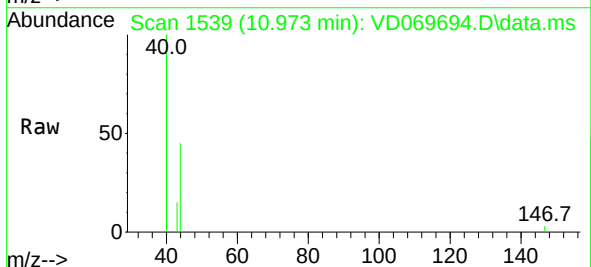
Instrument :
MSVOA_D
ClientSampled :

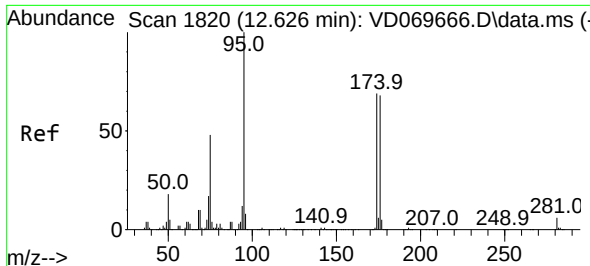
Tgt Ion: 43 Resp: 544
Ion Ratio Lower Upper
43 100
58 0.0 33.5 50.3#



#59
2-Hexanone
Concen: 2.987 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

Tgt Ion: 43 Resp: 736
Ion Ratio Lower Upper
43 100
58 10.6 29.1 87.4#

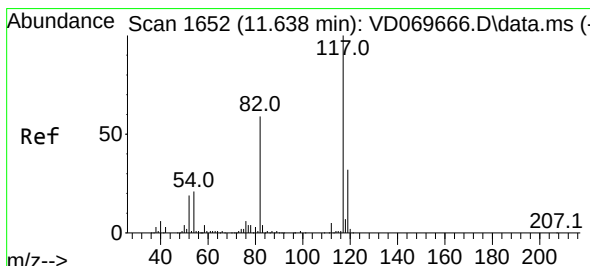
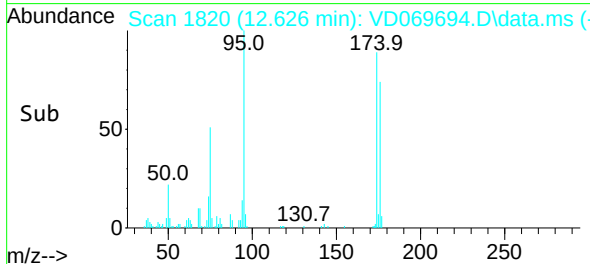
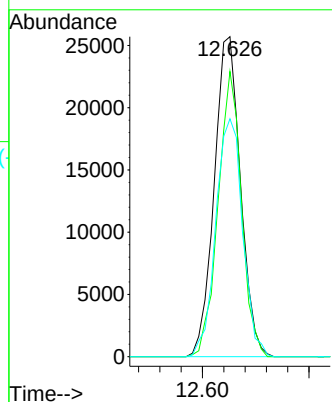
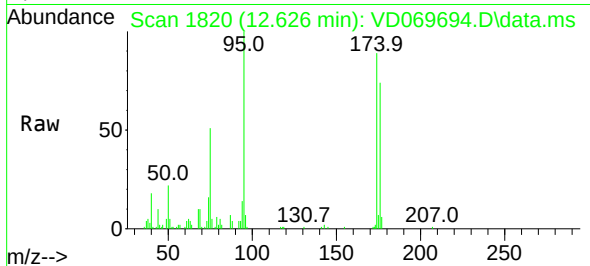




#62
4-Bromofluorobenzene
Concen: 50.675 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

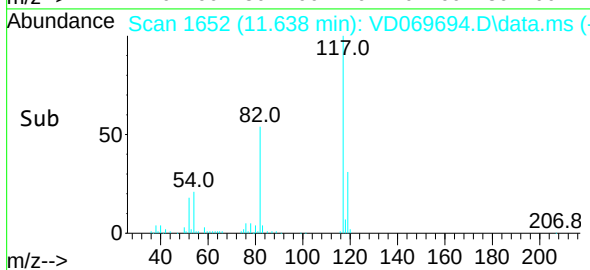
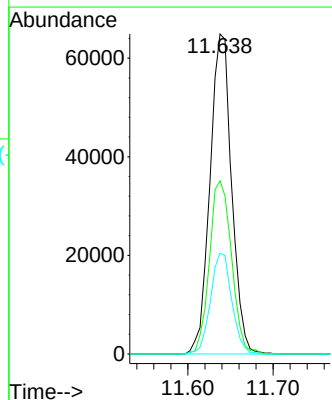
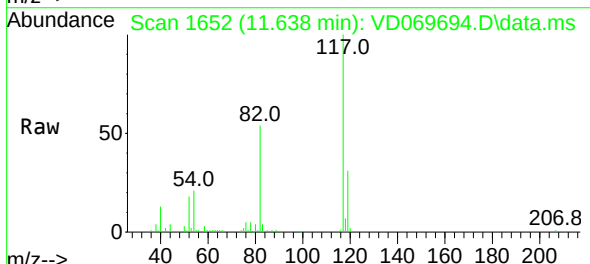
Instrument :
MSVOA_D
ClientSampleId :

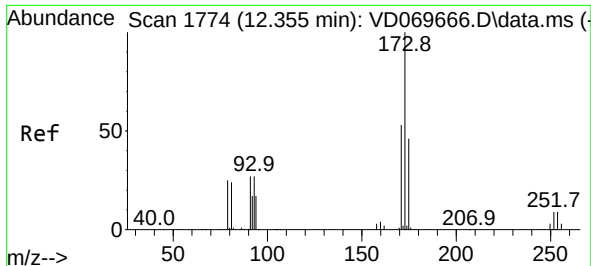
Tgt Ion: 95 Resp: 44001
Ion Ratio Lower Upper
95 100
174 79.1 0.0 140.0
176 76.1 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

Tgt Ion: 117 Resp: 114590
Ion Ratio Lower Upper
117 100
82 54.1 47.4 71.2
119 31.5 25.5 38.3

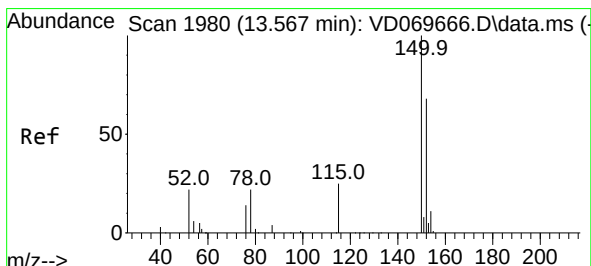
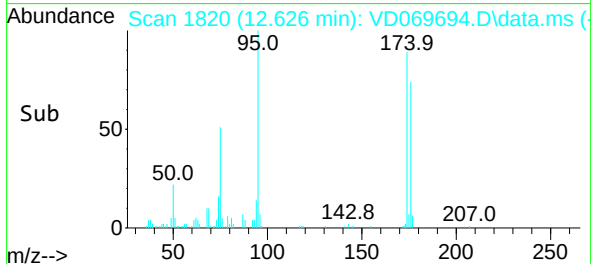
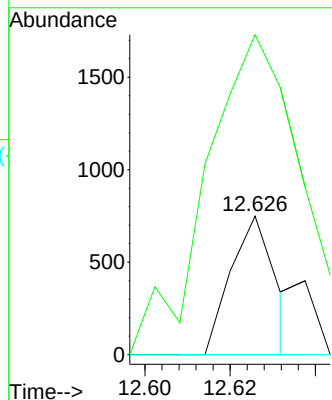
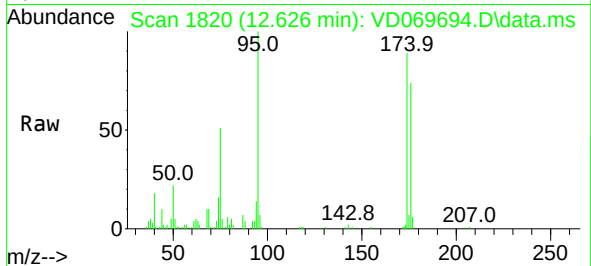




#71
Bromoform
Concen: 1.372 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

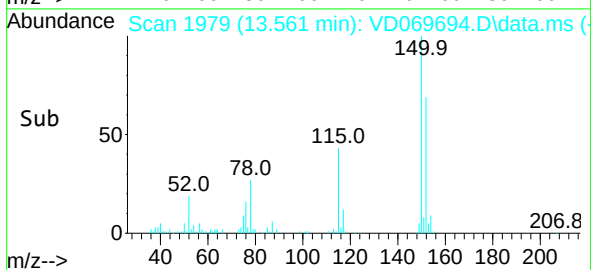
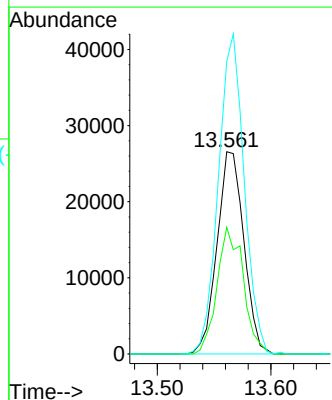
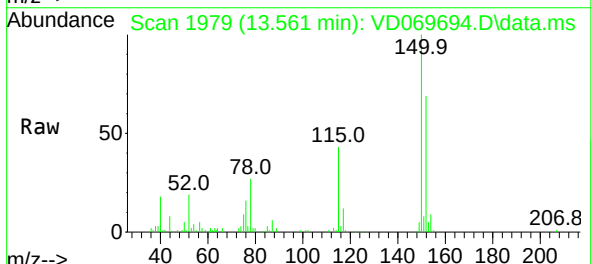
Instrument :
MSVOA_D
ClientSampleId :

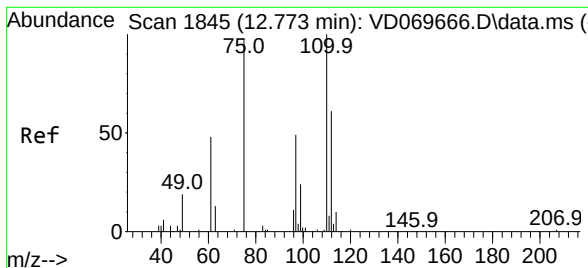
Tgt Ion:173 Resp: 544
Ion Ratio Lower Upper
173 100
175 399.3 24.2 72.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

Tgt Ion:152 Resp: 43567
Ion Ratio Lower Upper
152 100
115 61.3 31.7 95.1
150 152.5 0.0 350.4

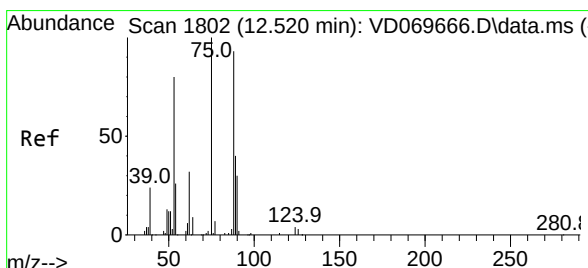
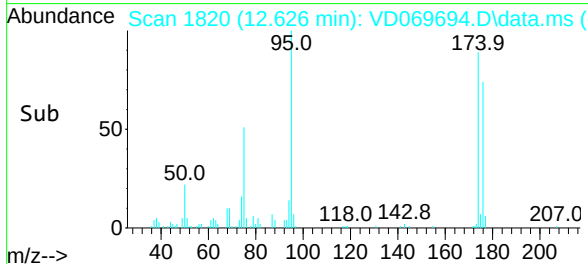
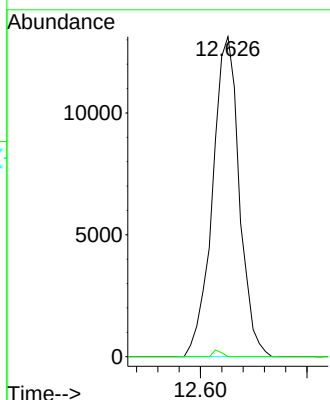
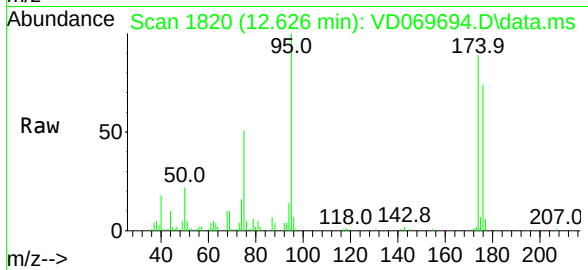




#76
1,2,3-Trichloropropane
Concen: 54.085 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

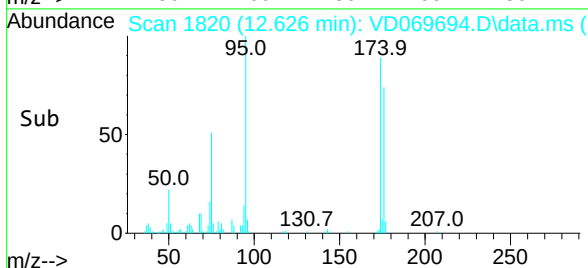
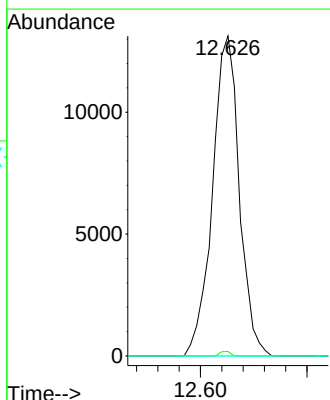
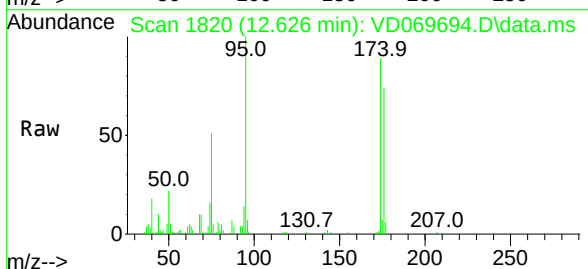
Instrument :
MSVOA_D
ClientSampled :

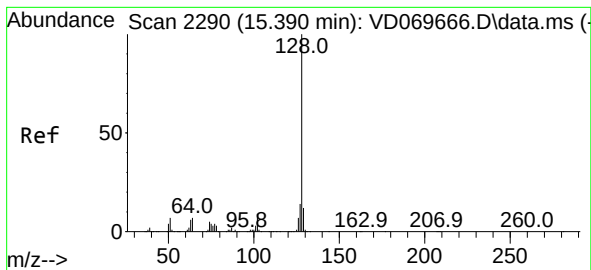
Tgt Ion: 75 Resp: 22891
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 145.351 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

Tgt Ion: 75 Resp: 22891
Ion Ratio Lower Upper
75 100
53 0.6 70.6 106.0#
89 0.0 35.1 52.7#





#95
Naphthalene
Concen: 2.521 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069694.D
Acq: 14 Jul 2021 18:08

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 456
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

