

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070721\
 Data File : VD069613.D
 Acq On : 07 Jul 2021 17:30
 Operator : VA/SY
 Sample : M2936-01
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 08 01:08:18 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)

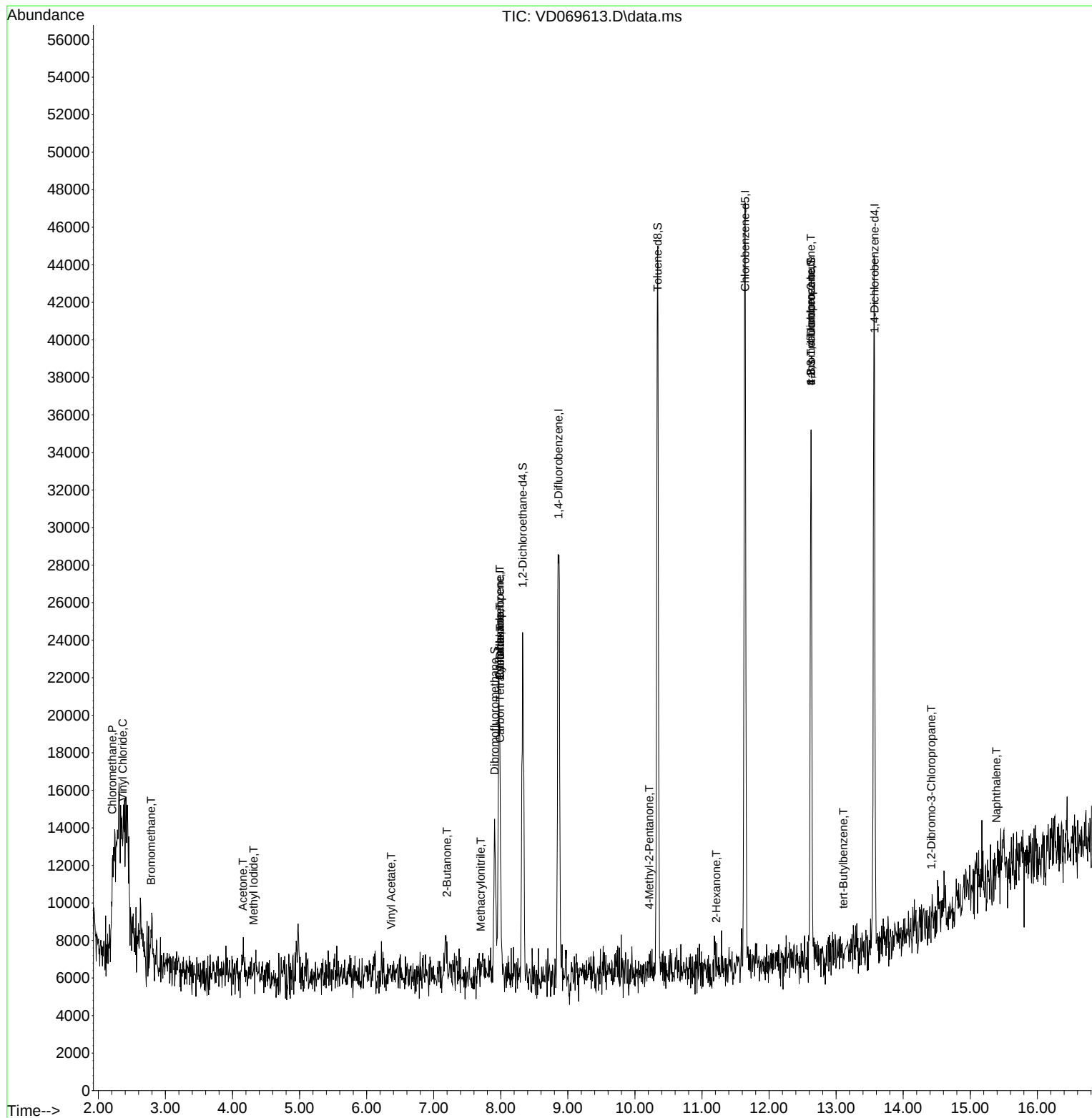
Internal Standards						
1) Pentafluorobenzene	7.985	168	10917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	21732	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	24018	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	9378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	12859	94.497	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 189.000%#			
35) Dibromofluoromethane	7.908	113	5806	39.522	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 79.040%			
50) Toluene-d8	10.338	98	26883	48.787	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.580%			
62) 4-Bromofluorobenzene	12.626	95	9304	51.360	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.720%			
Target Compounds						Qvalue
3) Chloromethane	2.209	50	933	6.091	ug/l	97
4) Vinyl Chloride	2.362	62	191	1.119	ug/l #	42
5) Bromomethane	2.785	94	1645	14.676	ug/l #	61
10) Methyl Iodide	4.314	142	284	6.229	ug/l #	74
16) Acetone	4.156	43	1596	69.682	ug/l	97
18) Methyl Acetate	4.573	43	56	Below Cal	#	49
23) Vinyl Acetate	6.367	43	64	19.316	ug/l #	70
25) 2-Butanone	7.197	43	54	1.855	ug/l #	44
31) Cyclohexane	7.985	56	231	1.261	ug/l #	50
36) 1,1-Dichloropropene	7.985	75	1041	4.881	ug/l #	43
38) Carbon Tetrachloride	7.991	117	745	3.529	ug/l #	13
41) Methacrylonitrile	7.702	41	76	1.650	ug/l #	18
51) 4-Methyl-2-Pentanone	10.214	43	100	1.323	ug/l #	34
59) 2-Hexanone	11.214	43	89	1.744	ug/l	81
76) 1,2,3-Trichloropropane	12.626	75	4029	43.766	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	4029	109.279	ug/l #	12
83) tert-Butylbenzene	13.108	119	62	2.114	ug/l #	27
92) 1,2-Dibromo-3-Chloropr...	14.420	75	62	3.149	ug/l #	4
95) Naphthalene	15.390	128	300	4.312	ug/l #	69

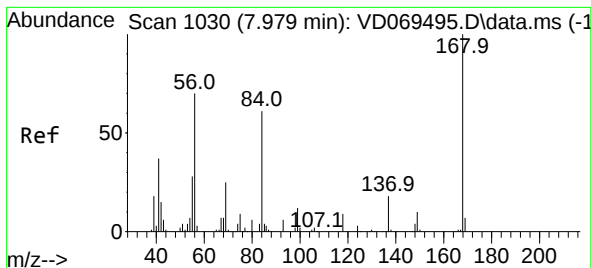
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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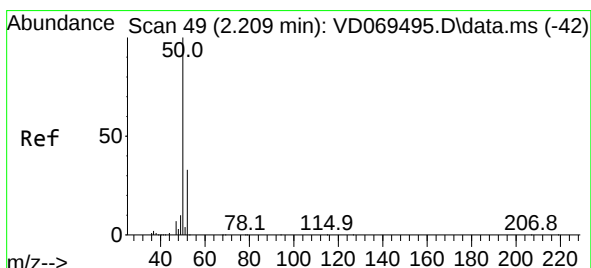
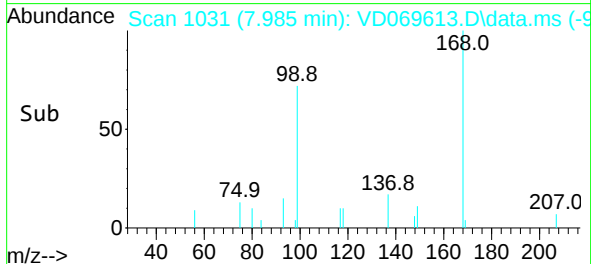
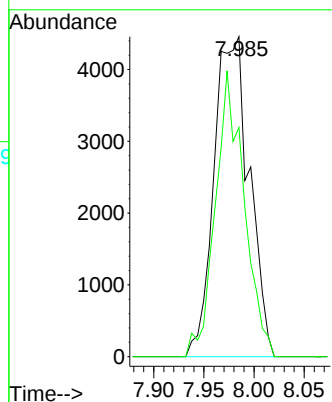
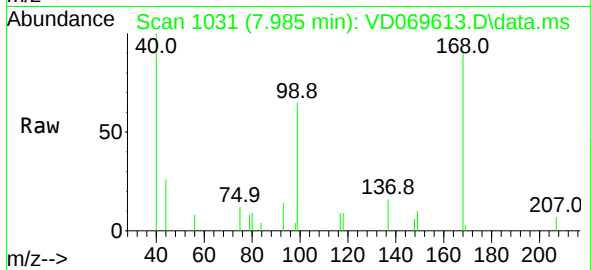




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30

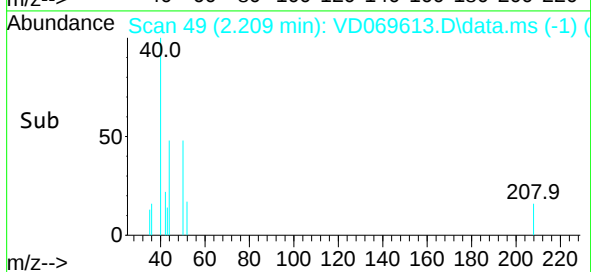
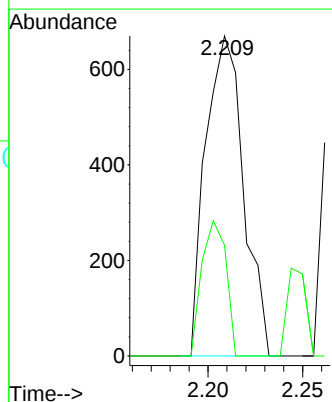
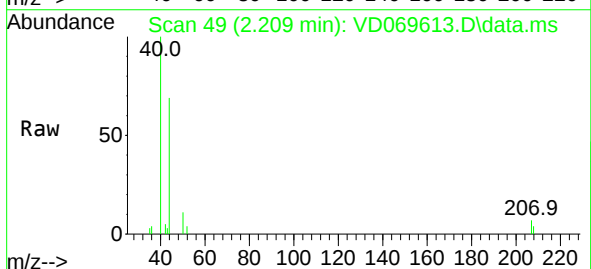
Instrument :
MSVOA_D
ClientSampleId :

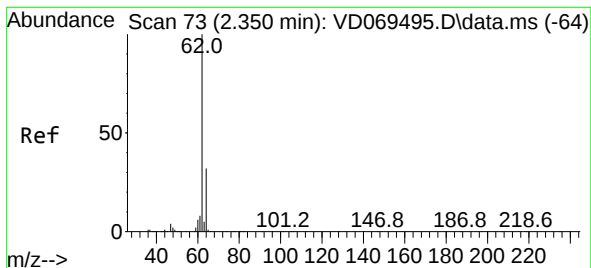
Tgt Ion:168 Resp: 10917
Ion Ratio Lower Upper
168 100
99 71.6 49.3 73.9



#3
Chloromethane
Concen: 6.091 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30

Tgt Ion: 50 Resp: 933
Ion Ratio Lower Upper
50 100
52 34.6 26.3 39.5





#4

Vinyl Chloride

Concen: 1.119 ug/l

RT: 2.362 min Scan# 75

Delta R.T. 0.012 min

Lab File: VD069613.D

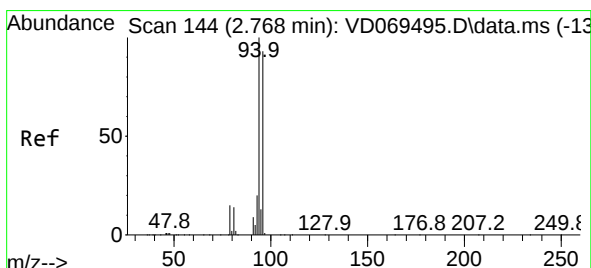
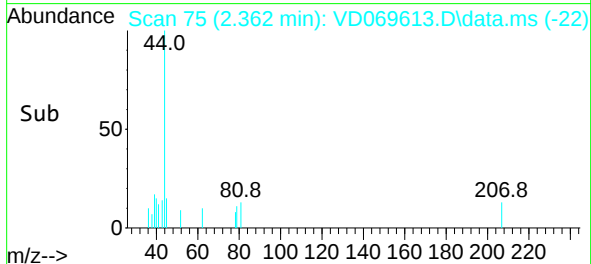
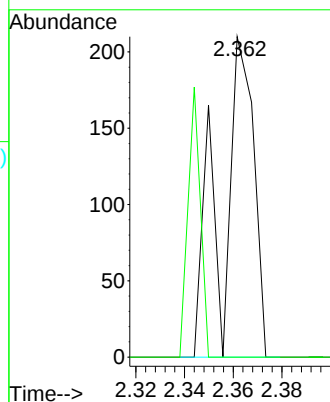
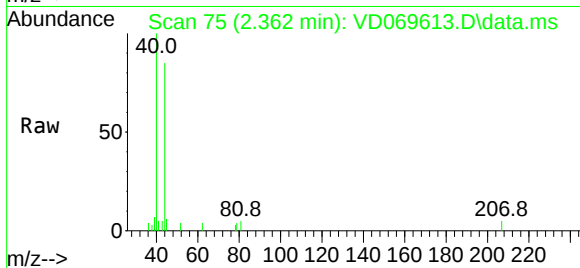
Acq: 07 Jul 2021 17:30

Tgt Ion: 62 Resp: 191

Ion Ratio Lower Upper

62 100

64 0.0 25.8 38.8#



#5

Bromomethane

Concen: 14.676 ug/l

RT: 2.785 min Scan# 147

Delta R.T. 0.017 min

Lab File: VD069613.D

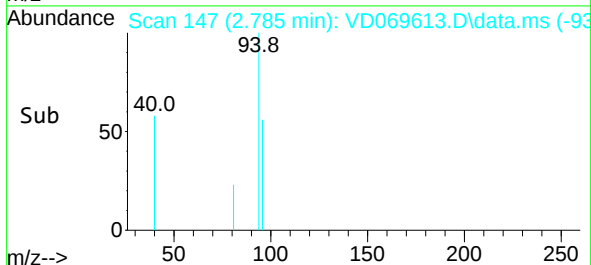
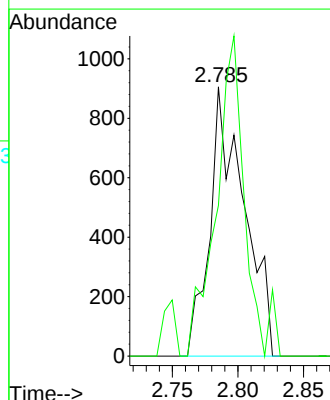
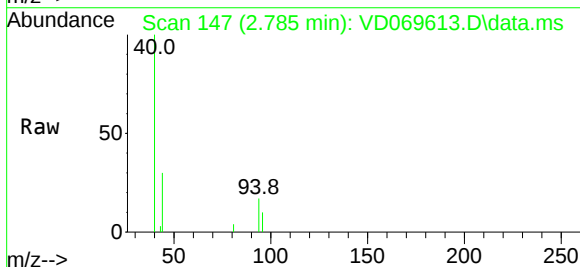
Acq: 07 Jul 2021 17:30

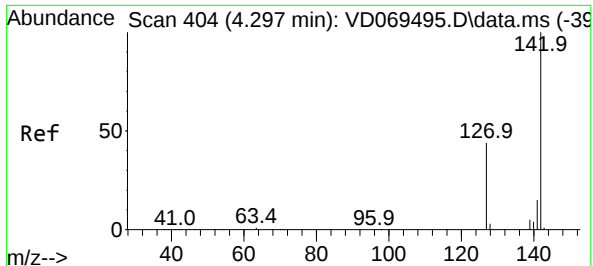
Tgt Ion: 94 Resp: 1645

Ion Ratio Lower Upper

94 100

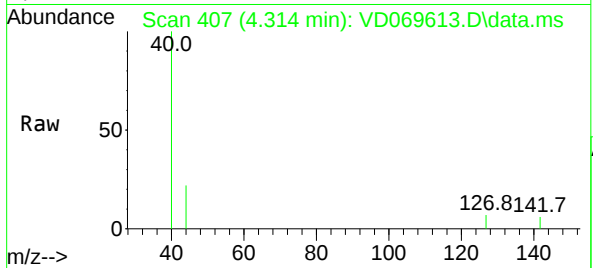
96 56.0 74.6 111.8#



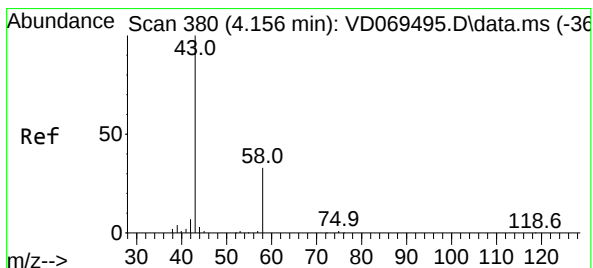
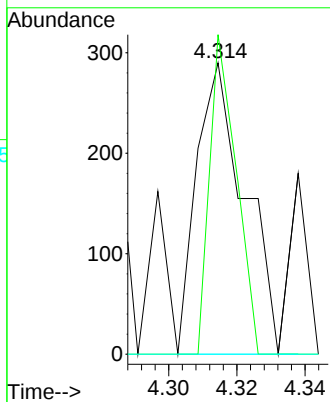
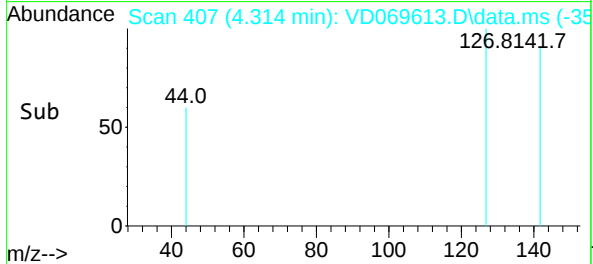


#10
Methyl Iodide
Concen: 6.229 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.017 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30

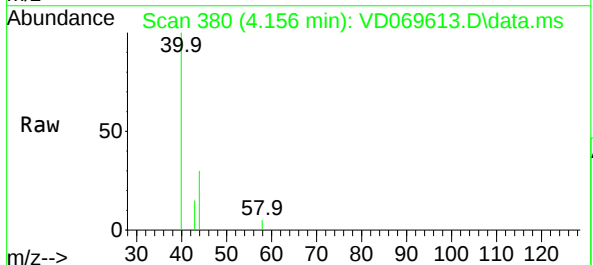
Instrument :
MSVOA_D
ClientSampleId :



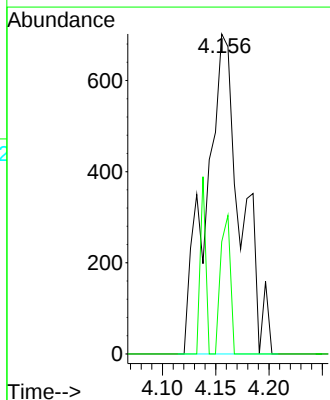
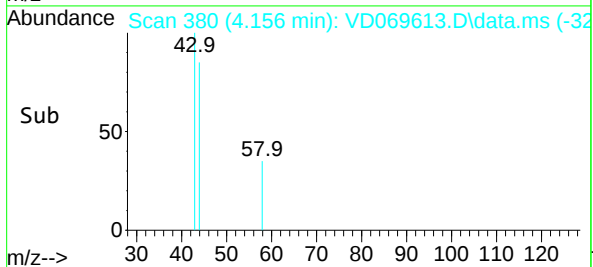
Tgt Ion:142 Resp: 284
Ion Ratio Lower Upper
142 100
127 60.9 36.5 54.7#
141 0.0 12.0 18.0#

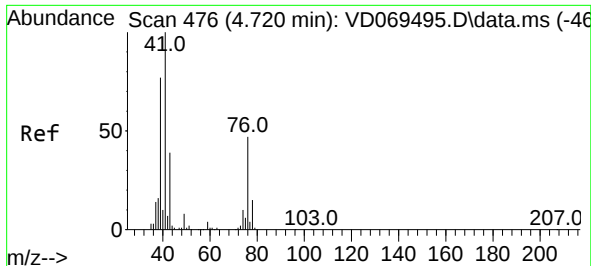


#16
Acetone
Concen: 69.682 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30



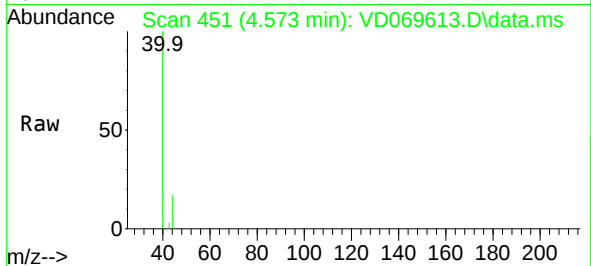
Tgt Ion: 43 Resp: 1596
Ion Ratio Lower Upper
43 100
58 35.0 26.8 40.2



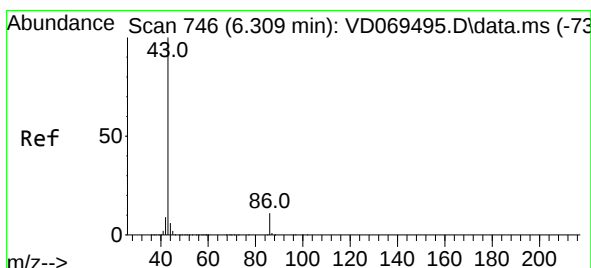
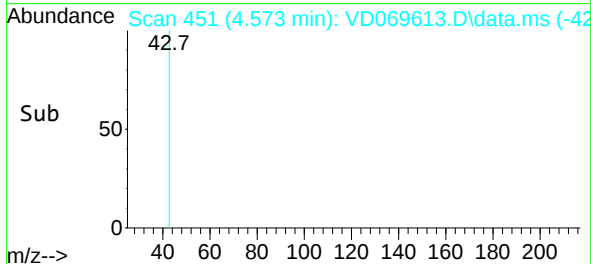
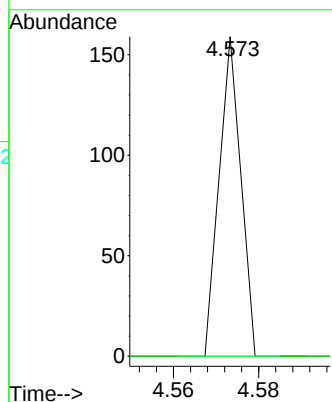


#18
Methyl Acetate
Concen: Below Cal
RT: 4.573 min Scan# 451
Delta R.T. -0.147 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30

Instrument :
MSVOA_D
ClientSampleId :

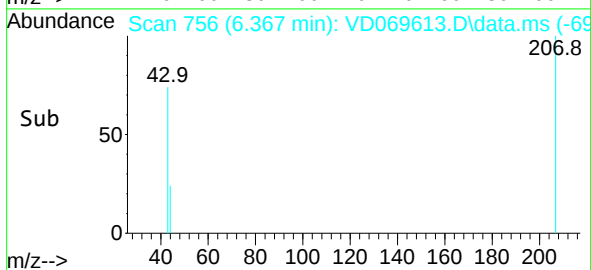
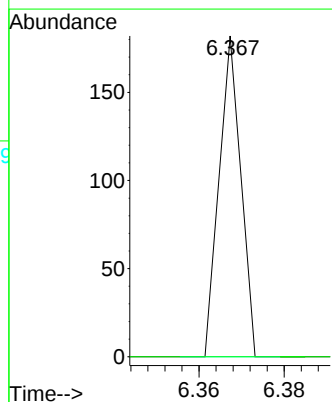
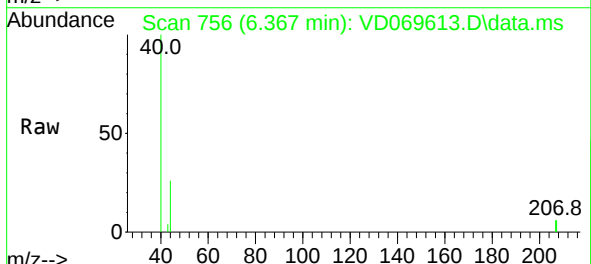


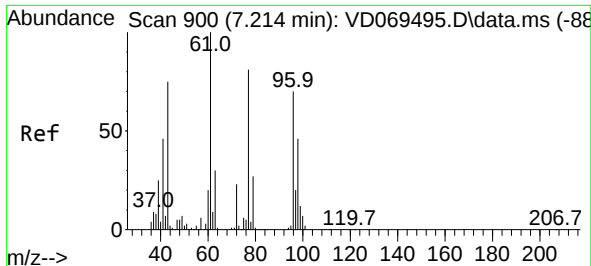
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#23
Vinyl Acetate
Concen: 19.316 ug/l
RT: 6.367 min Scan# 756
Delta R.T. 0.058 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30

Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
86 0.0 9.1 13.7#

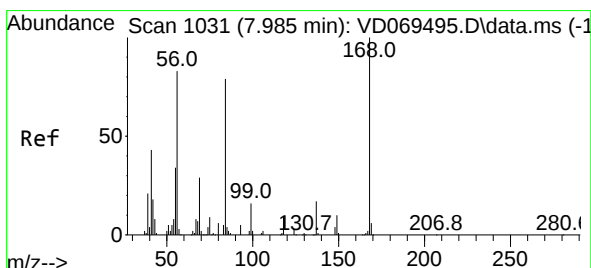
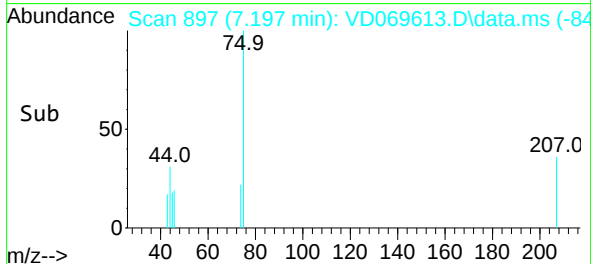
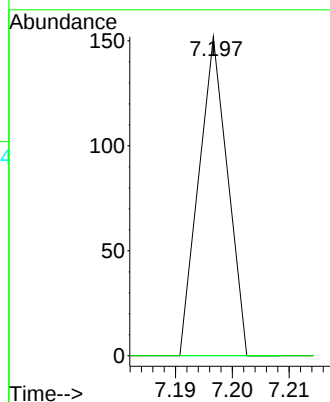
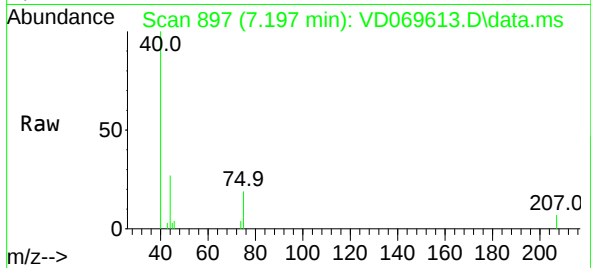




#25
2-Butanone
Concen: 1.855 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30

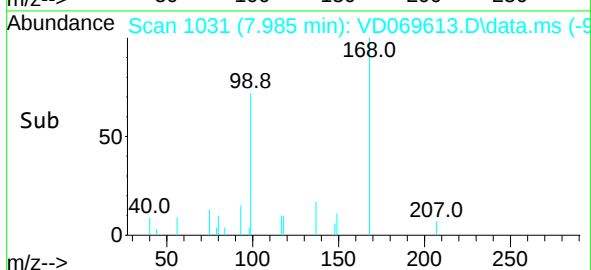
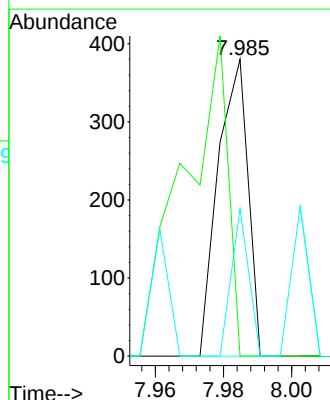
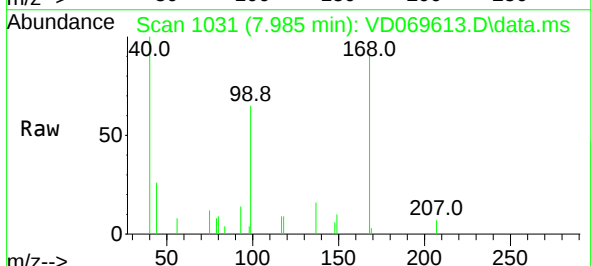
Instrument :
MSVOA_D
ClientSampleId :

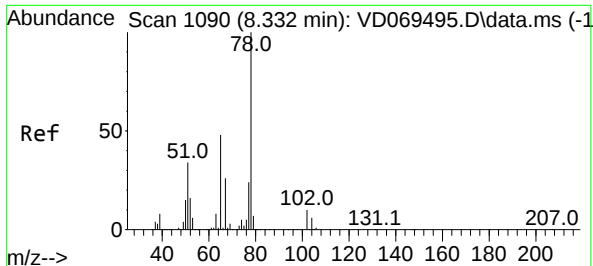
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
72 0.0 24.3 36.5#



#31
Cyclohexane
Concen: 1.261 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30

Tgt Ion: 56 Resp: 231
Ion Ratio Lower Upper
56 100
69 0.0 28.0 42.0#
84 49.7 75.7 113.5#

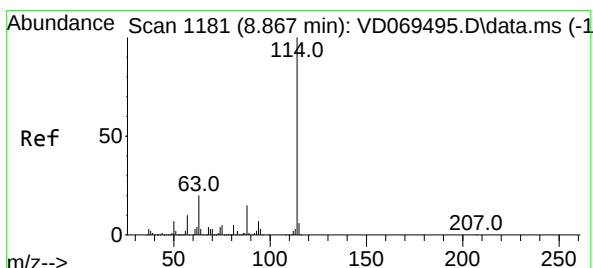
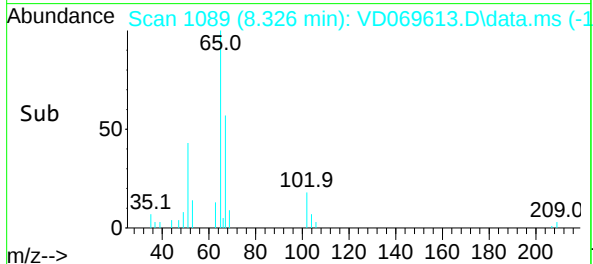
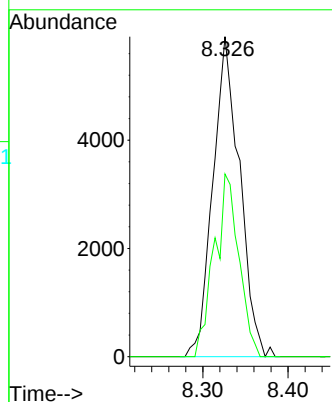
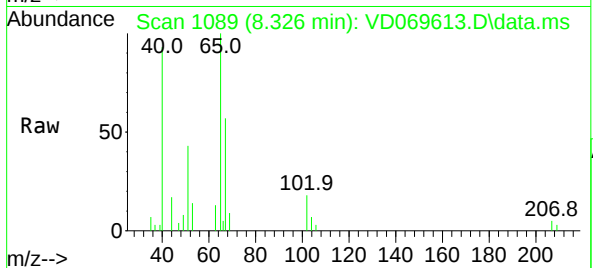




#33
 1,2-Dichloroethane-d4
 Concen: 94.497 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. -0.006 min
 Lab File: VD069613.D
 Acq: 07 Jul 2021 17:30

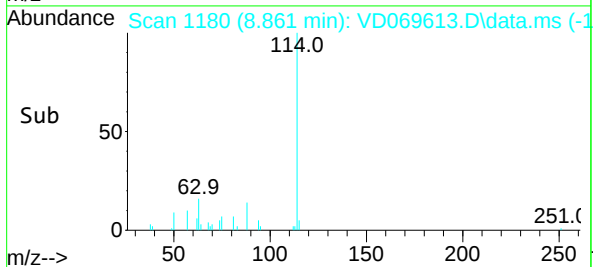
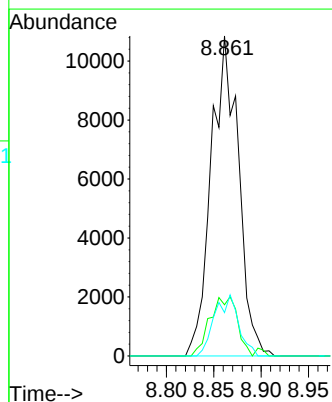
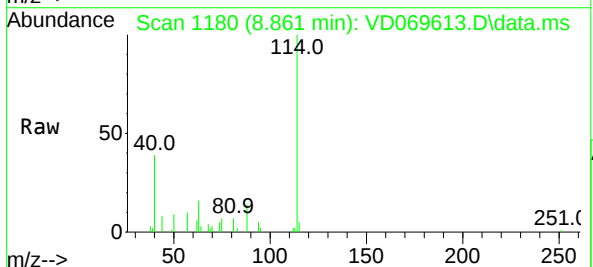
Instrument :
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 ClientSampleId :

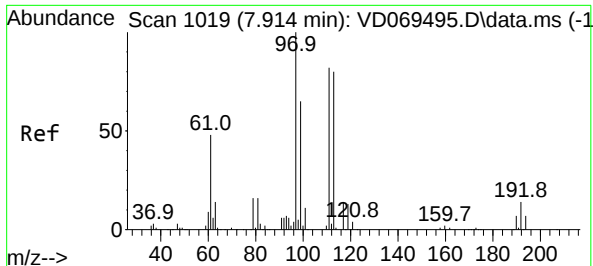
Tgt Ion: 65 Resp: 12859
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. -0.006 min
 Lab File: VD069613.D
 Acq: 07 Jul 2021 17:30

Tgt Ion: 114 Resp: 21732
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 39.6
 88 13.6 0.0 29.8

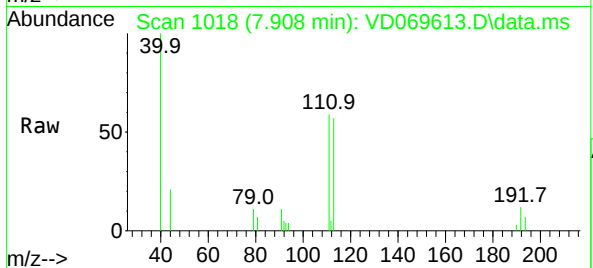




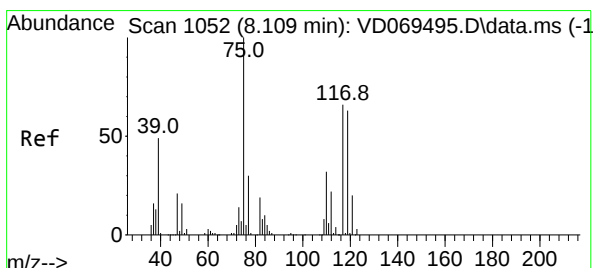
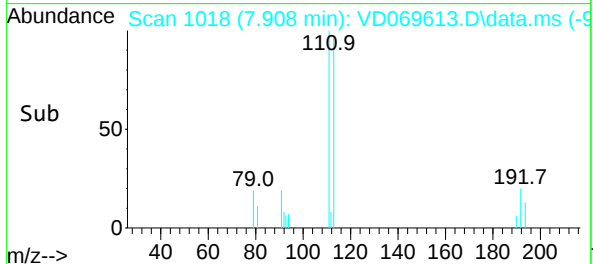
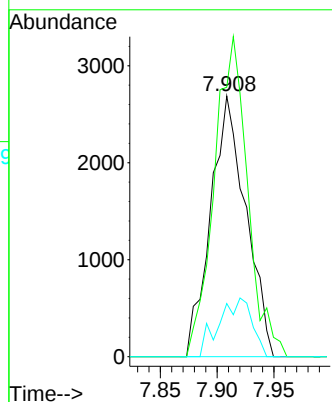
#35

Dibromofluoromethane
Concen: 39.522 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30

Instrument :
MSVOA_D
ClientSampleId :

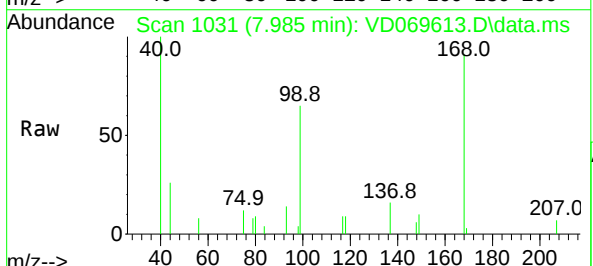


Tgt Ion:	113	Resp:	5806
Ion	Ratio	Lower	Upper
113	100		
111	116.3	81.8	122.8
192	21.1	13.8	20.6#

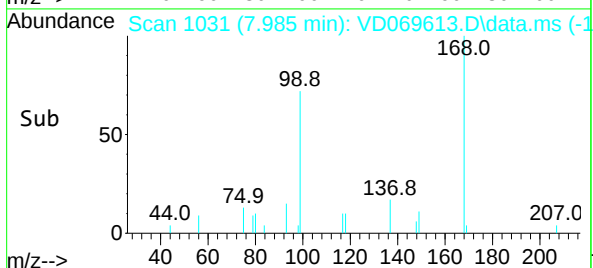
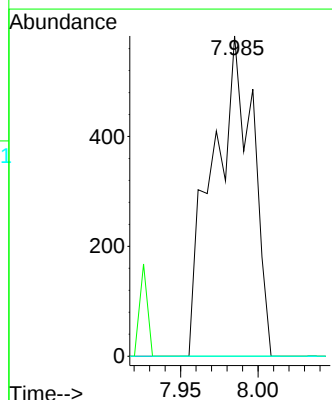


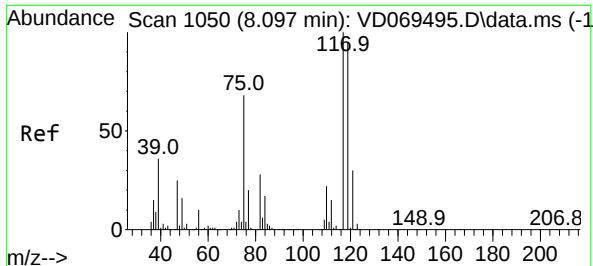
#36

1,1-Dichloropropene
Concen: 4.881 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.124 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30



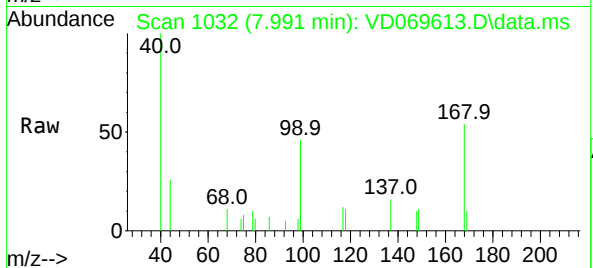
Tgt Ion:	75	Resp:	1041
Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.8	50.4#
77	0.0	24.3	36.5#



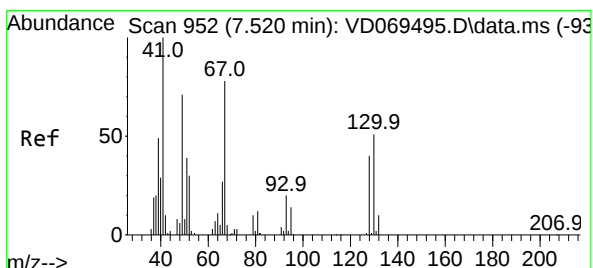
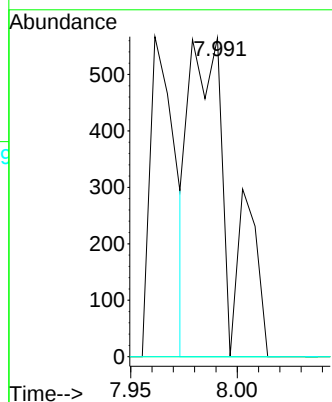
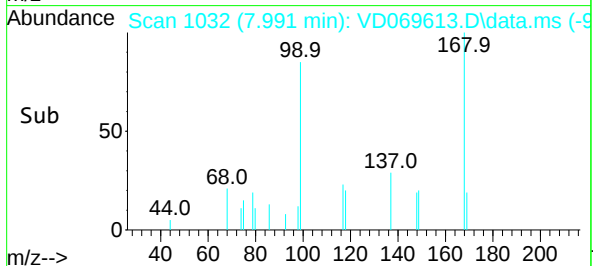


#38
Carbon Tetrachloride
Concen: 3.529 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. -0.106 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30

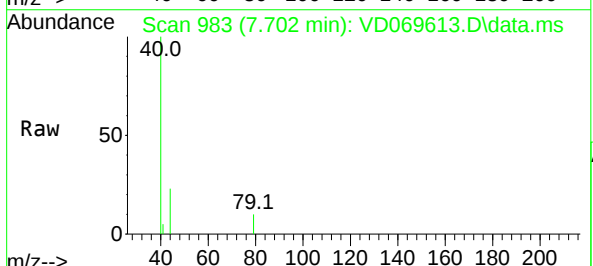
Instrument :
MSVOA_D
ClientSampleId :



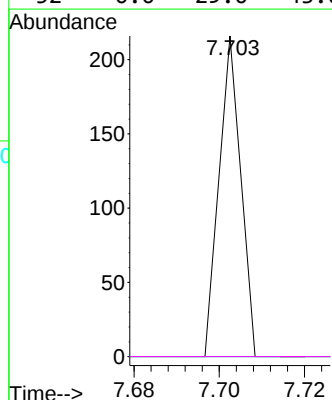
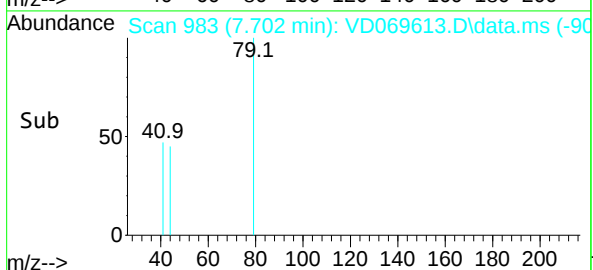
Tgt Ion:117 Resp: 745
Ion Ratio Lower Upper
117 100
119 0.0 75.6 113.4#
121 0.0 23.8 35.8#

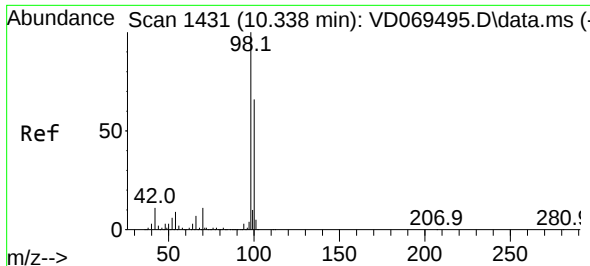


#41
Methacrylonitrile
Concen: 1.650 ug/l
RT: 7.702 min Scan# 983
Delta R.T. 0.182 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30



Tgt Ion: 41 Resp: 76
Ion Ratio Lower Upper
41 100
39 0.0 41.7 62.5#
67 0.0 71.8 107.6#
52 0.0 29.0 43.6#

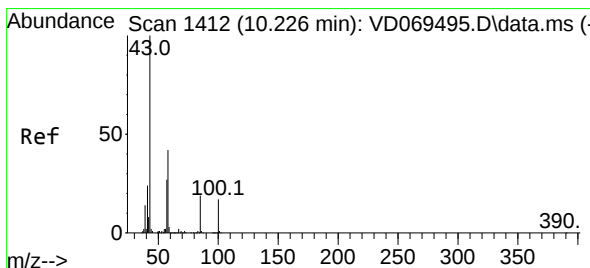
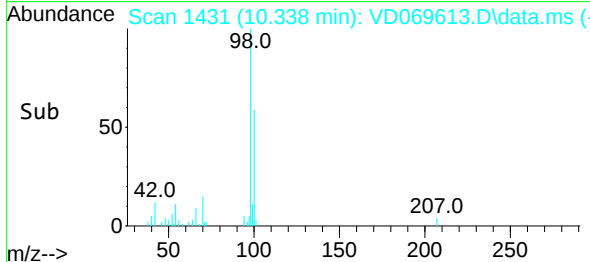
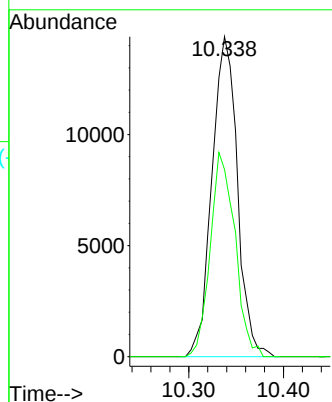
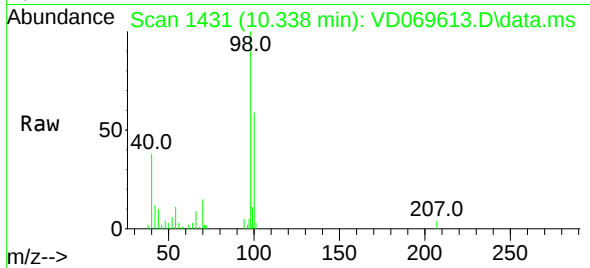




#50
Toluene-d8
Concen: 48.787 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30

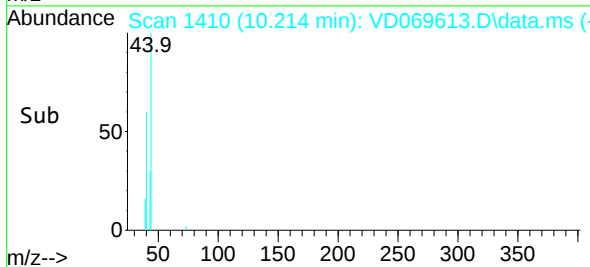
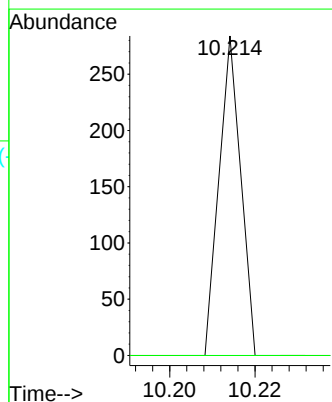
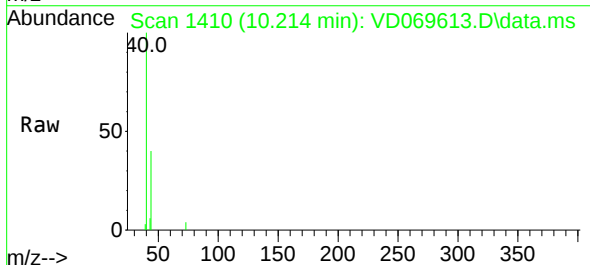
Instrument :
MSVOA_D
ClientSampled :

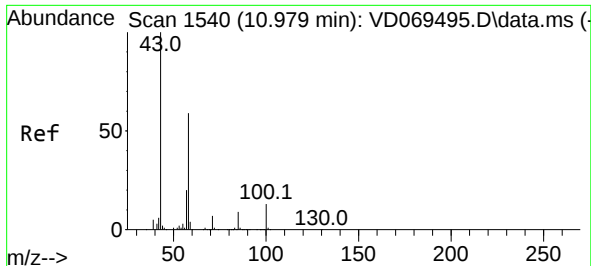
Tgt Ion: 98 Resp: 26883
Ion Ratio Lower Upper
98 100
100 61.9 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.323 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.012 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30

Tgt Ion: 43 Resp: 100
Ion Ratio Lower Upper
43 100
58 0.0 33.6 50.4#

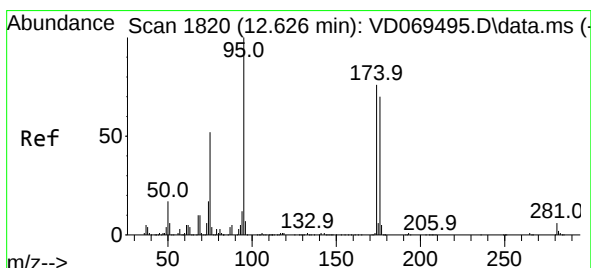
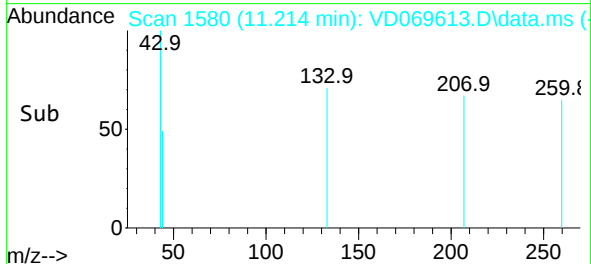
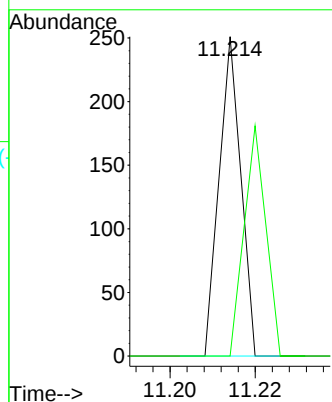
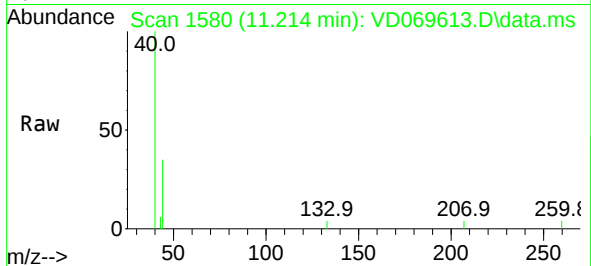




#59
2-Hexanone
Concen: 1.744 ug/l
RT: 11.214 min Scan# 1580
Delta R.T. 0.235 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30

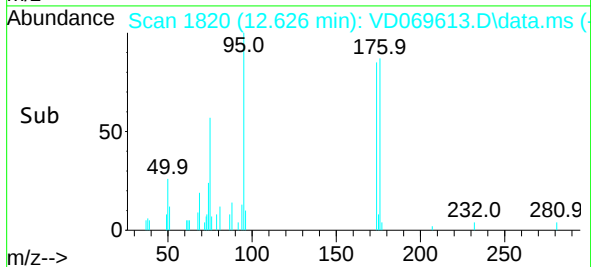
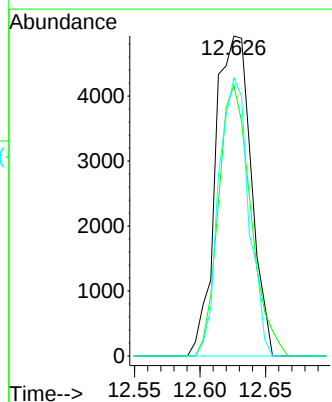
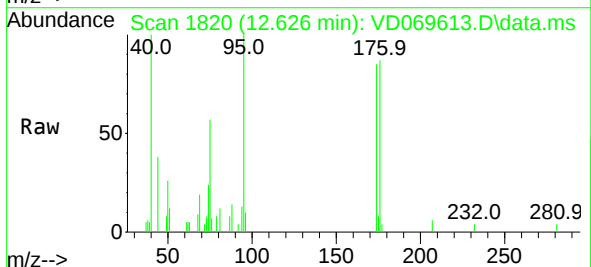
Instrument :
MSVOA_D
ClientSampleId :

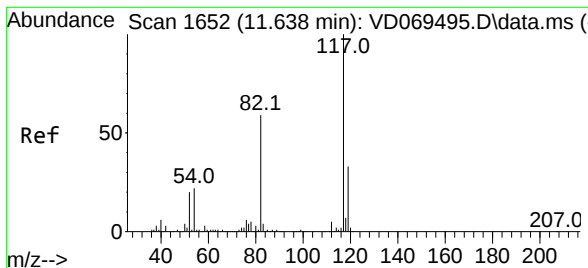
Tgt Ion: 43 Resp: 89
Ion Ratio Lower Upper
43 100
58 71.9 28.7 86.3



#62
4-Bromofluorobenzene
Concen: 51.360 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30

Tgt Ion: 95 Resp: 9304
Ion Ratio Lower Upper
95 100
174 76.5 0.0 148.0
176 72.9 0.0 139.8

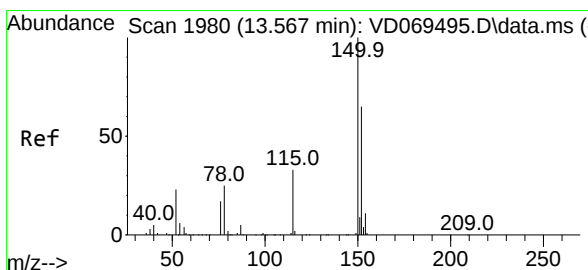
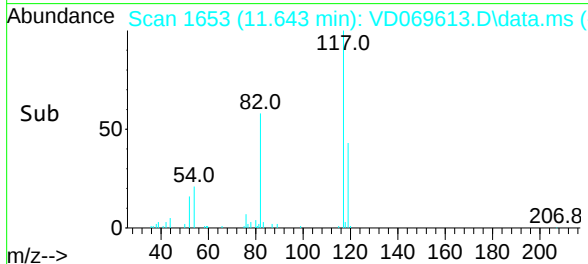
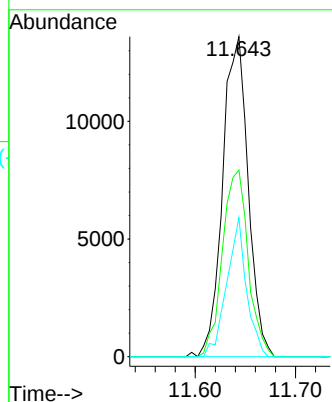
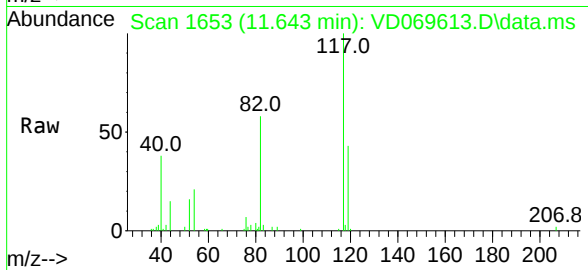




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30

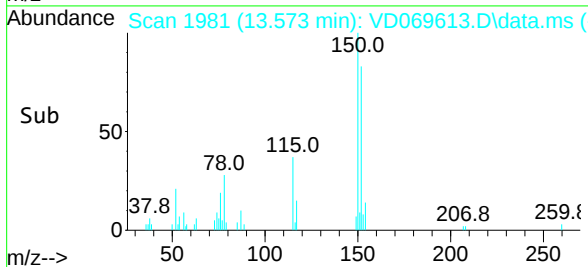
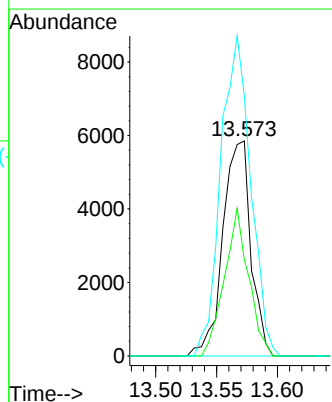
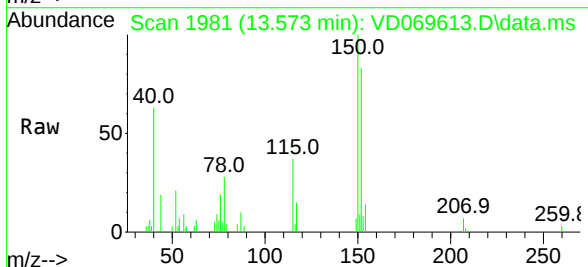
Instrument :
MSVOA_D
ClientSampleId :

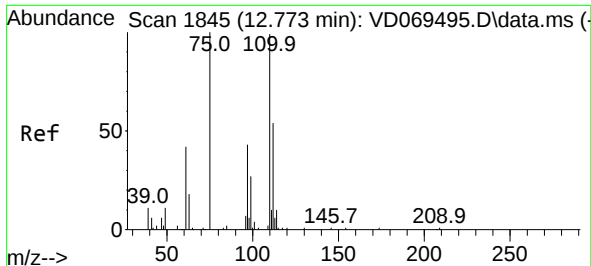
Tgt Ion:117 Resp: 24018
Ion Ratio Lower Upper
117 100
82 58.3 46.8 70.2
119 43.5 26.2 39.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.006 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30

Tgt Ion:152 Resp: 9378
Ion Ratio Lower Upper
152 100
115 59.2 31.7 95.1
150 158.9 0.0 350.8

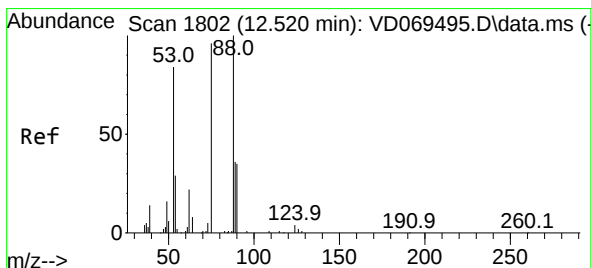
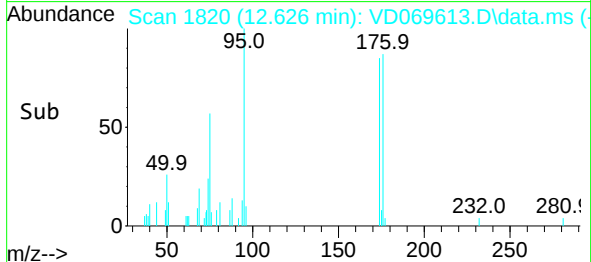
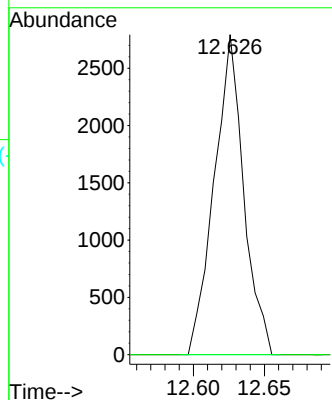
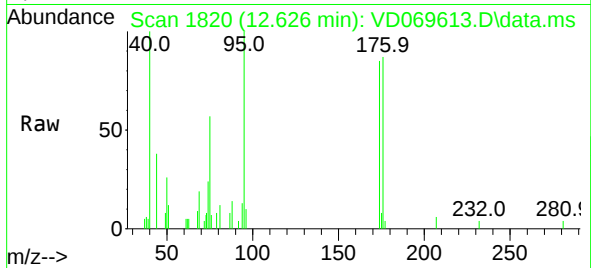




#76
1,2,3-Trichloropropane
Concen: 43.766 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30

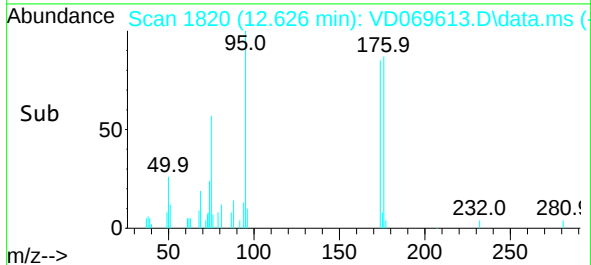
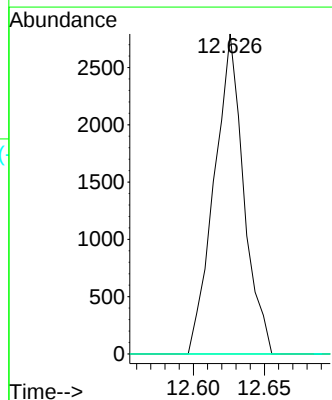
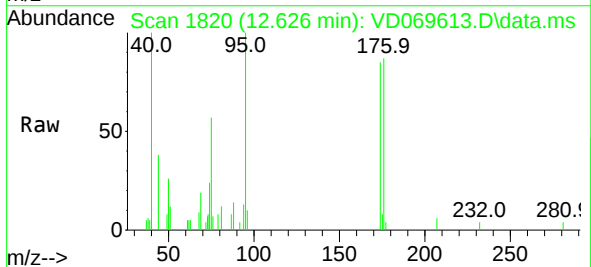
Instrument :
MSVOA_D
ClientSampleId :

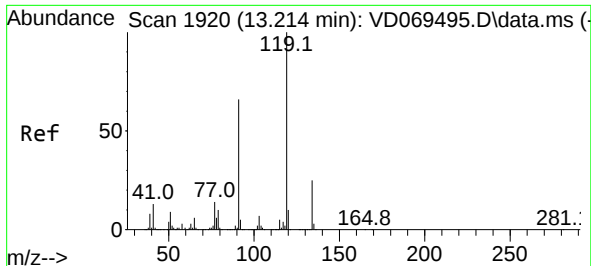
Tgt Ion: 75 Resp: 4029
Ion Ratio Lower Upper
75 100
77 0.0 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.279 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30

Tgt Ion: 75 Resp: 4029
Ion Ratio Lower Upper
75 100
53 0.0 74.6 112.0#
89 0.0 35.3 52.9#

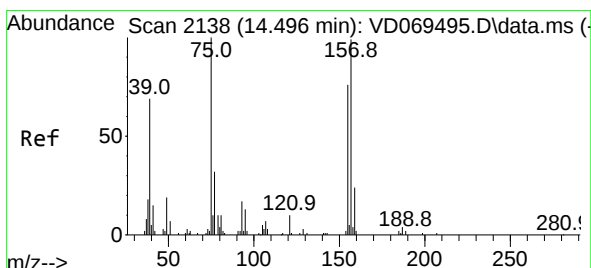
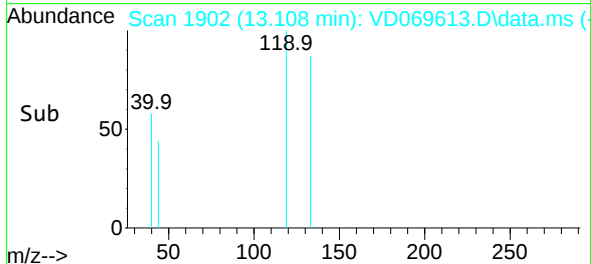
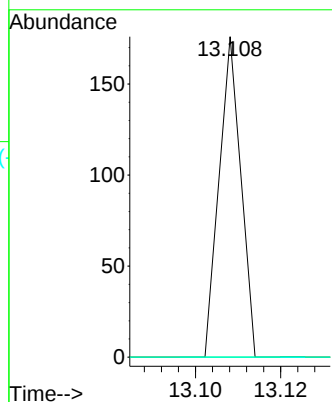
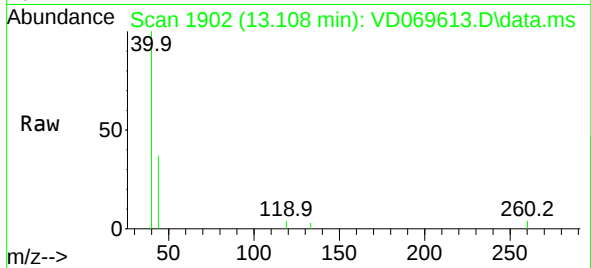




#83
tert-Butylbenzene
Concen: 2.114 ug/l
RT: 13.108 min Scan# 1902
Delta R.T. -0.106 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30

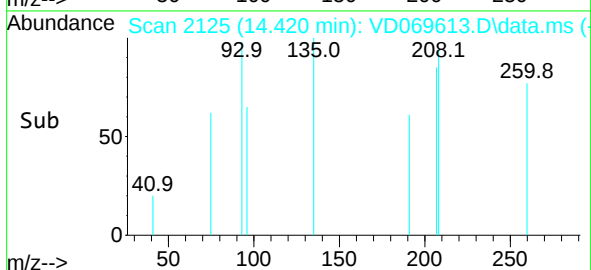
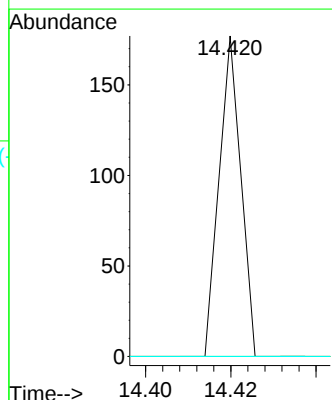
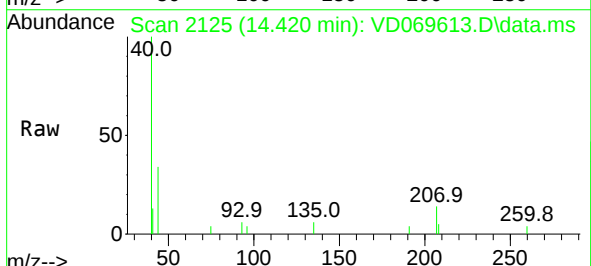
Instrument :
MSVOA_D
ClientSampleId :

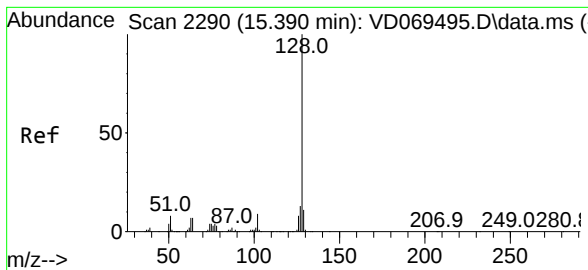
Tgt Ion:119 Resp: 62
Ion Ratio Lower Upper
119 100
91 0.0 32.5 97.4#
134 0.0 12.9 38.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.149 ug/l
RT: 14.420 min Scan# 2125
Delta R.T. -0.077 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30

Tgt Ion: 75 Resp: 62
Ion Ratio Lower Upper
75 100
155 0.0 39.4 118.1#
157 0.0 51.2 153.6#





#95
Naphthalene
Concen: 4.312 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069613.D
Acq: 07 Jul 2021 17:30

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 300
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

