

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070621\
 Data File : VD069595.D
 Acq On : 06 Jul 2021 21:27
 Operator : VA/SY
 Sample : M2946-02
 Misc : 5.52G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2

Quant Time: Jul 07 04:56:26 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)

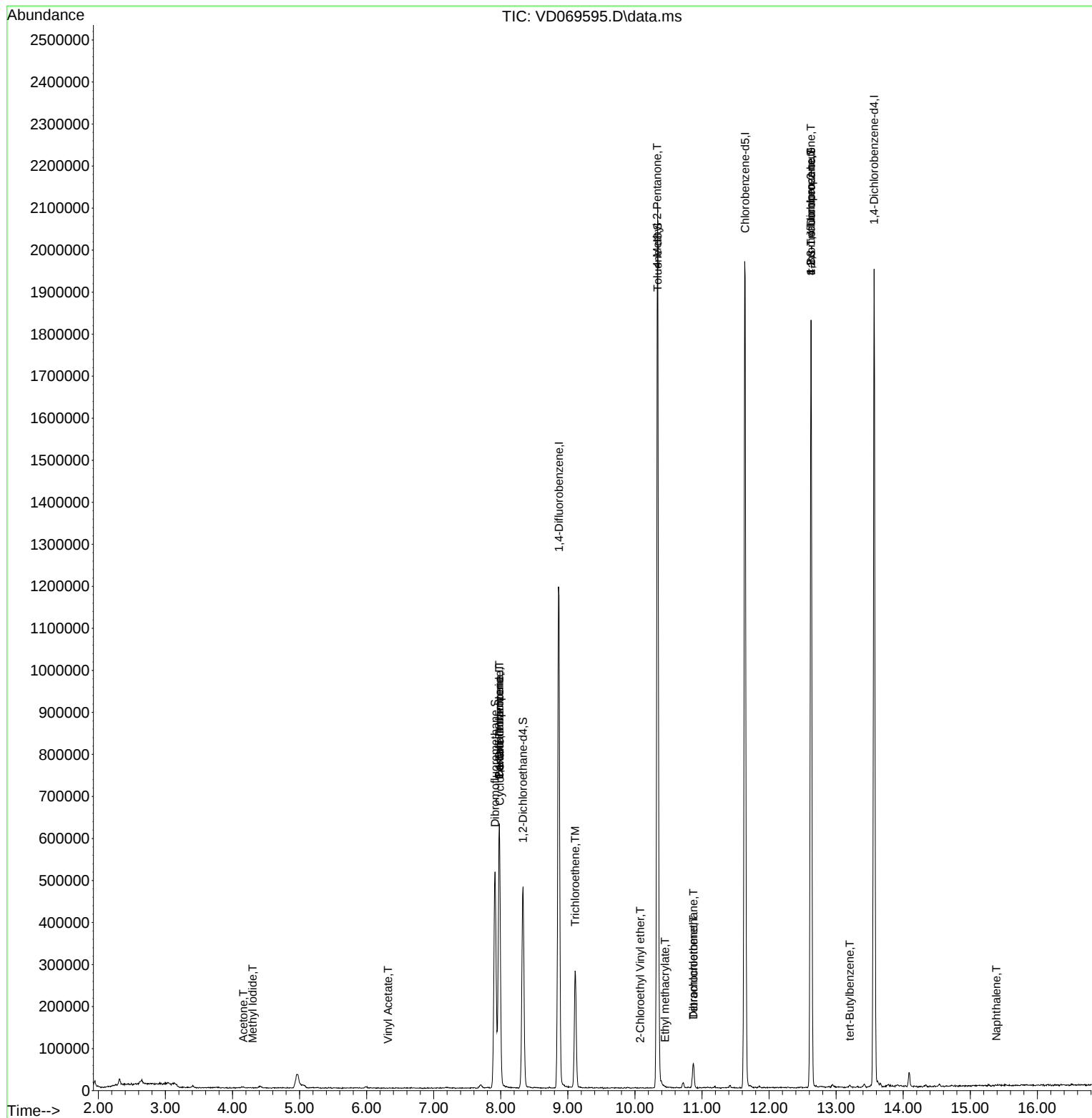
Internal Standards						
1) Pentafluorobenzene	7.979	168	427903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	992201	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	1139970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	501282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	385564	72.288	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.580%	
35) Dibromofluoromethane	7.914	113	377640	56.305	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.600%	
50) Toluene-d8	10.337	98	1392323	55.343	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.680%	
62) 4-Bromofluorobenzene	12.626	95	522827	63.214	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 126.420%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	1017	Below Cal		93
10) Methyl Iodide	4.302	142	215	3.984 ug/l	#	39
11) Tert butyl alcohol	5.202	59	968	Below Cal	#	83
16) Acetone	4.161	43	4417	4.920 ug/l	#	81
18) Methyl Acetate	4.714	43	116	Below Cal	#	49
20) Methylene Chloride	4.973	84	27531	Below Cal	#	83
23) Vinyl Acetate	6.320	43	58	19.018 ug/l	#	70
31) Cyclohexane	7.985	56	11072	1.542 ug/l	#	2
36) 1,1-Dichloropropene	7.979	75	40270	4.135 ug/l	#	50
38) Carbon Tetrachloride	7.979	117	45196	4.690 ug/l	#	17
44) Trichloroethene	9.108	130	98812	13.949 ug/l		100
51) 4-Methyl-2-Pentanone	10.332	43	5831	1.689 ug/l	#	1
56) Ethyl methacrylate	10.449	69	59	2.590 ug/l	#	1
58) 2-Chloroethyl Vinyl ether	10.079	63	64	10.619 ug/l	#	47
60) Dibromochloromethane	10.873	129	11942	1.901 ug/l	#	10
64) Tetrachloroethene	10.873	164	11938	1.668 ug/l		89
76) 1,2,3-Trichloropropane	12.626	75	264357	53.723 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	264357	134.139 ug/l	#	13
83) tert-Butylbenzene	13.202	119	59	1.994 ug/l	#	27
95) Naphthalene	15.390	128	490	3.384 ug/l	#	69

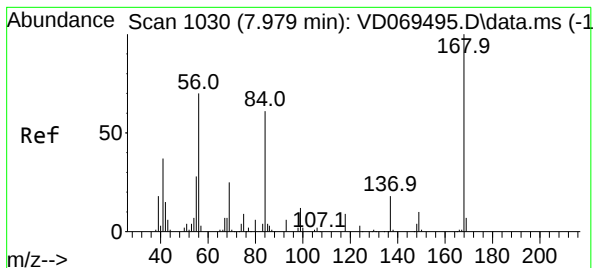
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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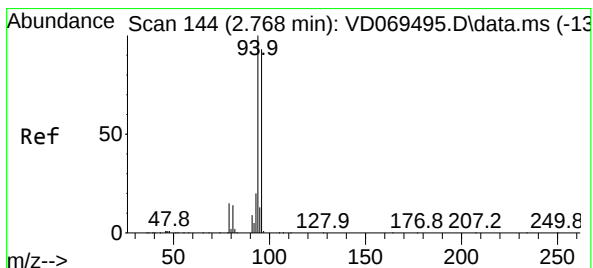
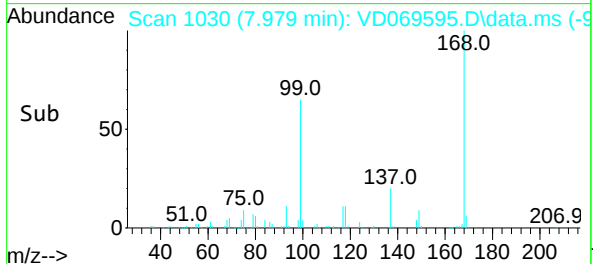
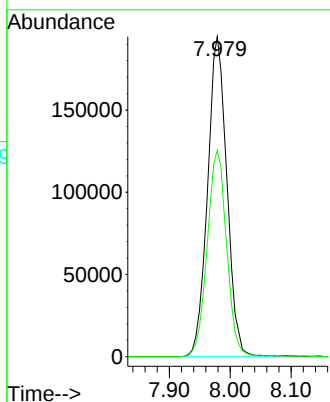
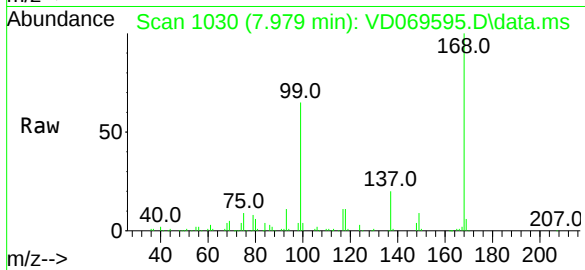




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

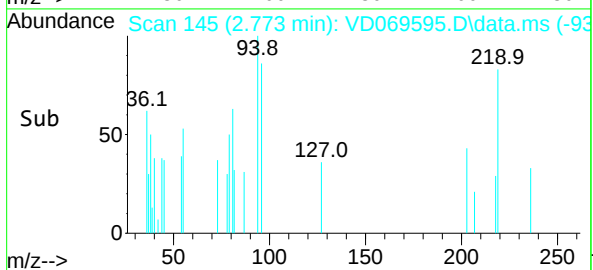
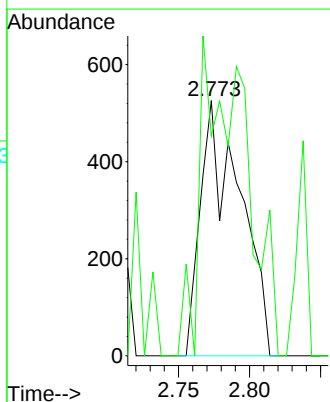
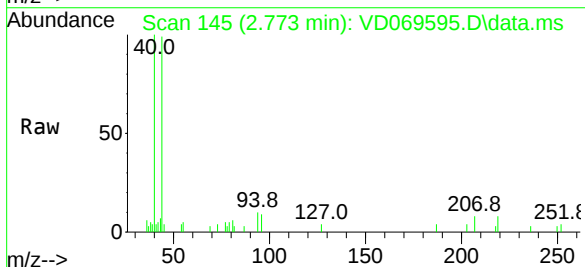
Instrument :
MSVOA_D
ClientSampleId :
SB-2

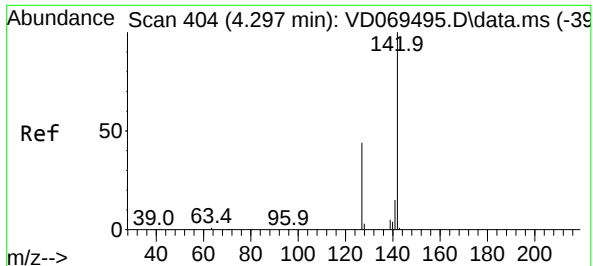
Tgt Ion:168 Resp: 427903
Ion Ratio Lower Upper
168 100
99 64.5 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

Tgt Ion: 94 Resp: 1017
Ion Ratio Lower Upper
94 100
96 86.1 74.6 111.8

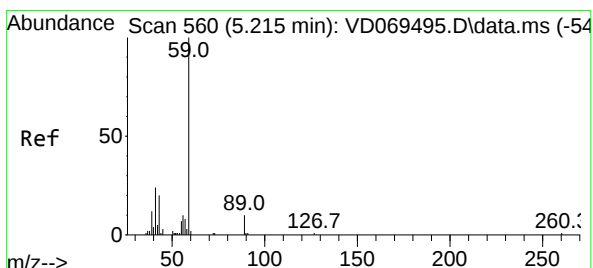
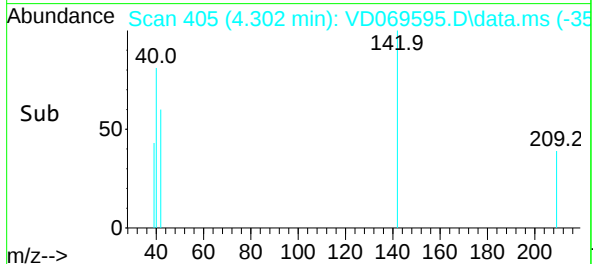
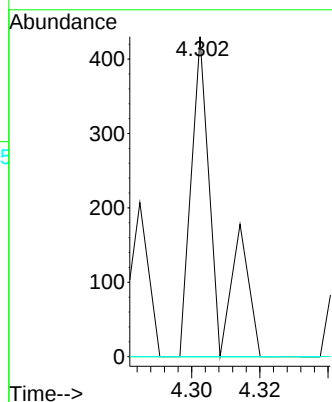
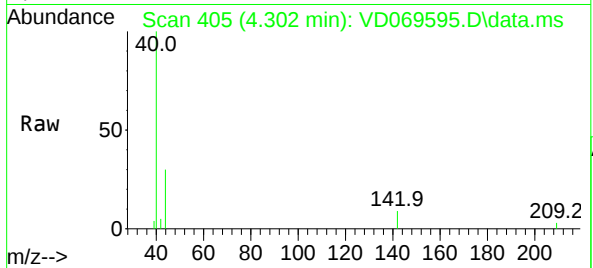




#10
Methyl Iodide
Concen: 3.984 ug/l
RT: 4.302 min Scan# 405
Delta R.T. 0.005 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

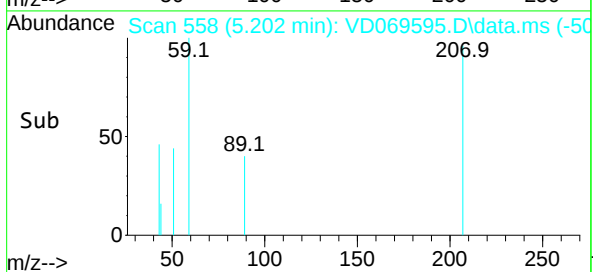
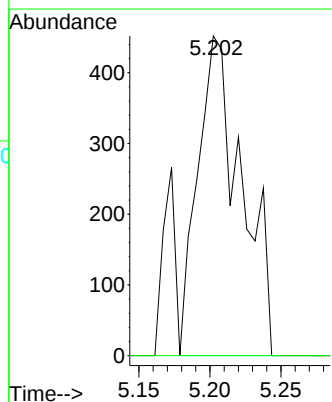
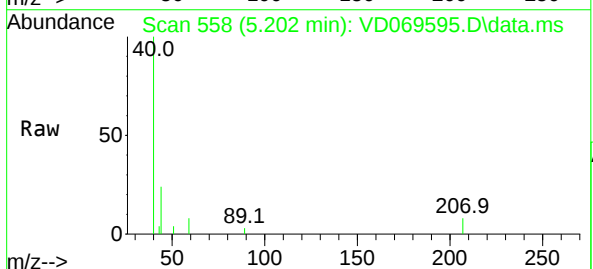
Instrument :
MSVOA_D
ClientSampleId :
SB-2

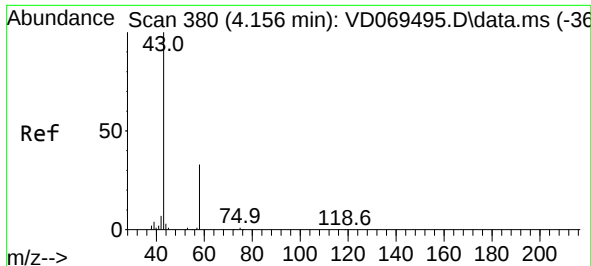
Tgt Ion:142 Resp: 215
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.202 min Scan# 558
Delta R.T. -0.013 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

Tgt Ion: 59 Resp: 968
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

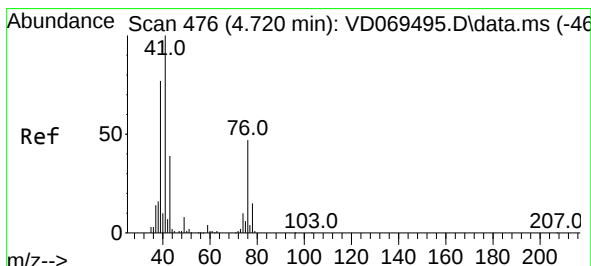
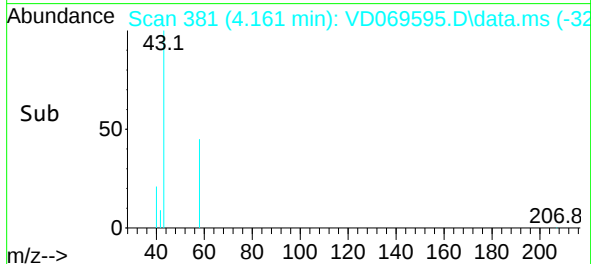
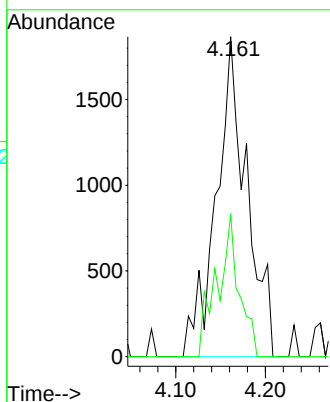
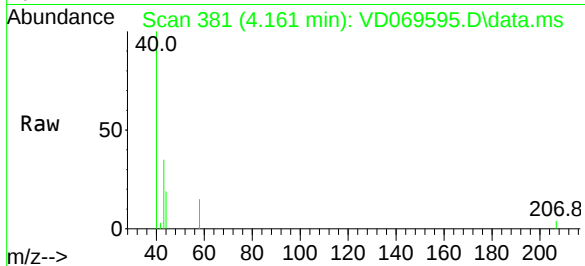




#16
Acetone
Concen: 4.920 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

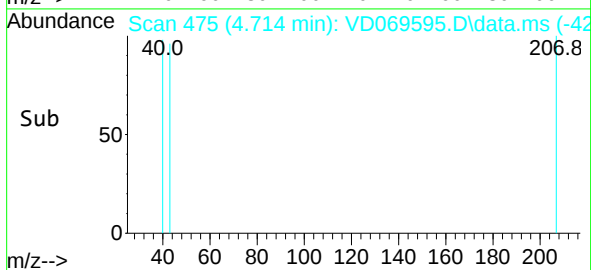
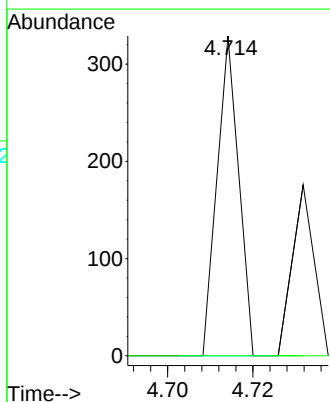
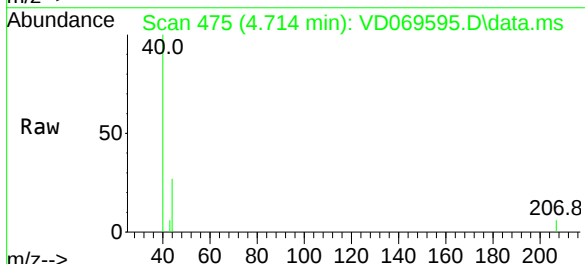
Instrument :
MSVOA_D
ClientSampleId :
SB-2

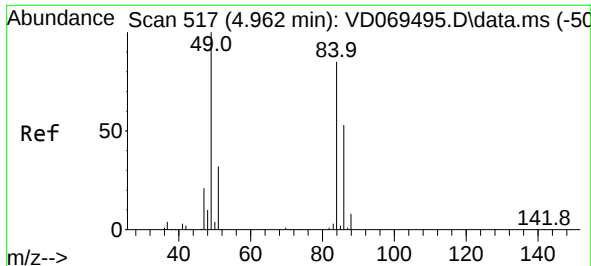
Tgt Ion: 43 Resp: 4417
Ion Ratio Lower Upper
43 100
58 44.5 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

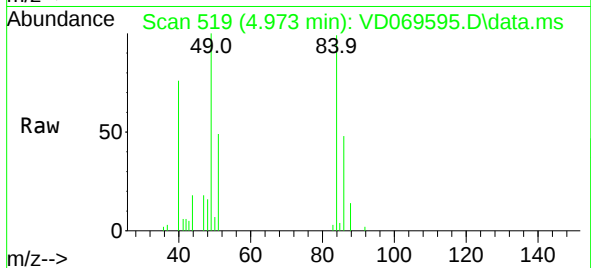
Tgt Ion: 43 Resp: 116
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



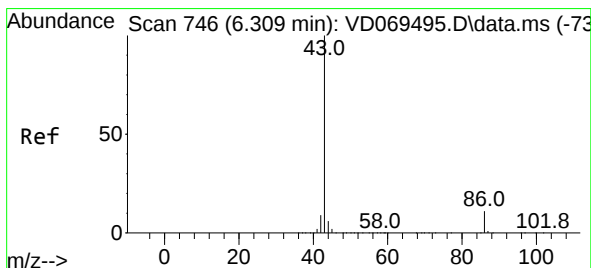
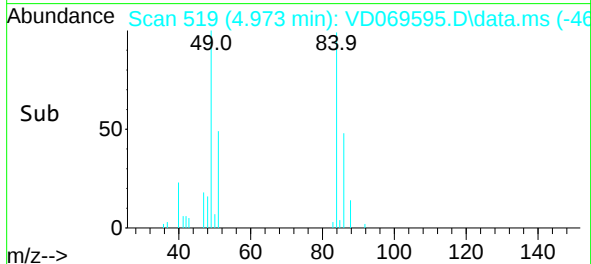
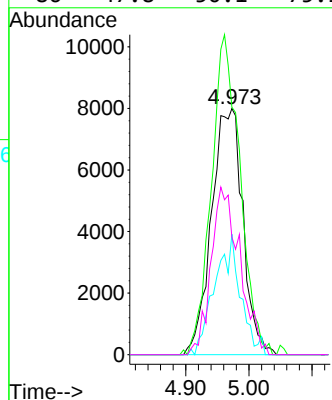


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

Instrument :
MSVOA_D
ClientSampleId :
SB-2

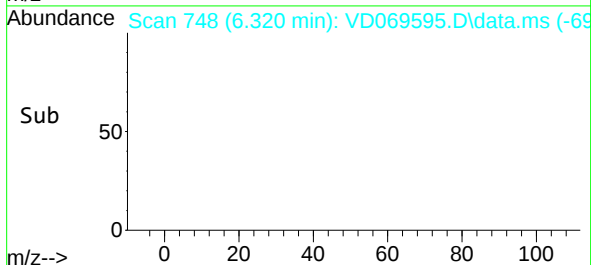
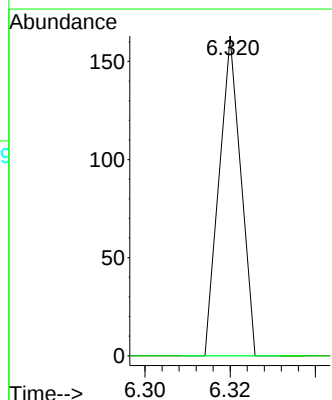
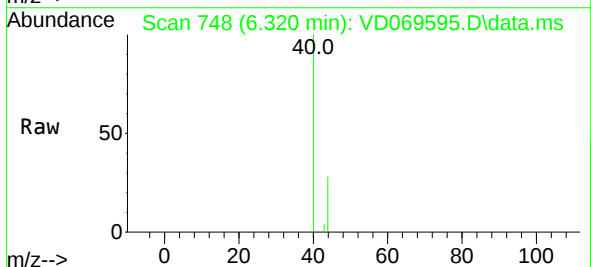


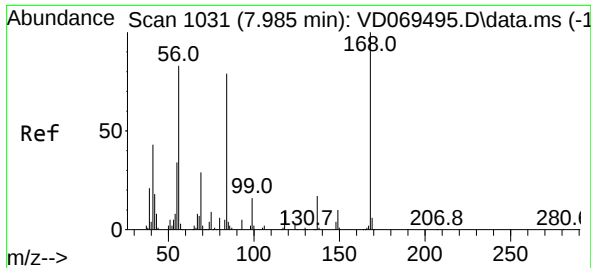
Tgt Ion:	84	Resp:	27531
Ion	Ratio	Lower	Upper
84	100		
49	100.6	94.0	141.0
51	49.0	29.7	44.5#
86	47.8	50.1	75.1#



#23
Vinyl Acetate
Concen: 19.018 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.011 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

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

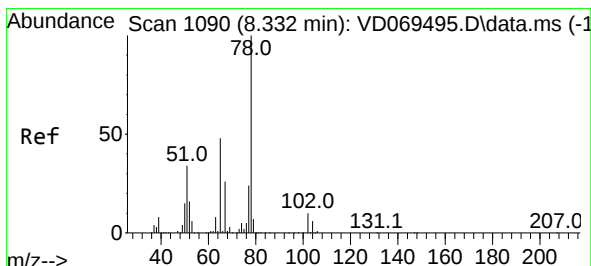
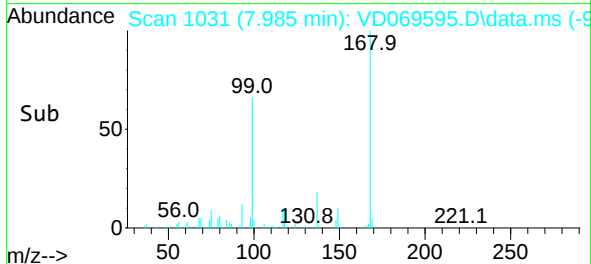
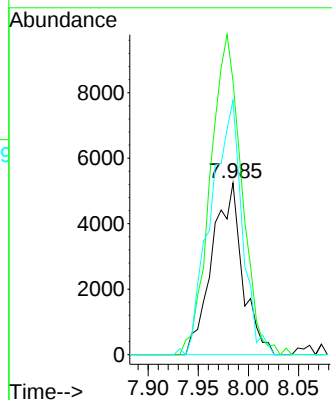
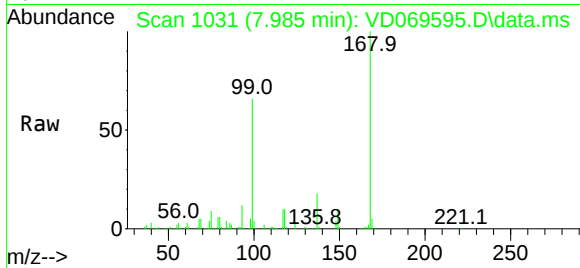




#31
Cyclohexane
Concen: 1.542 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

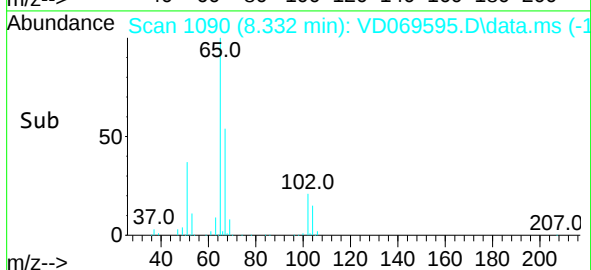
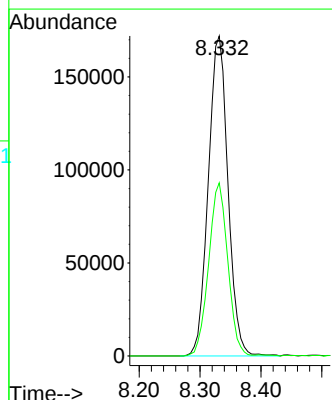
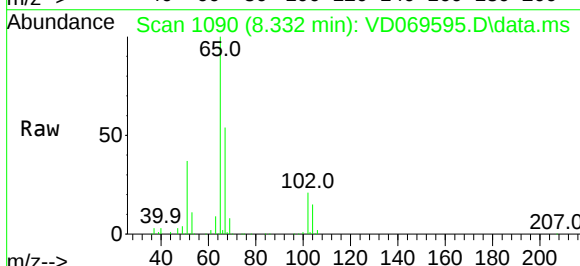
Instrument :
MSVOA_D
ClientSampled :
SB-2

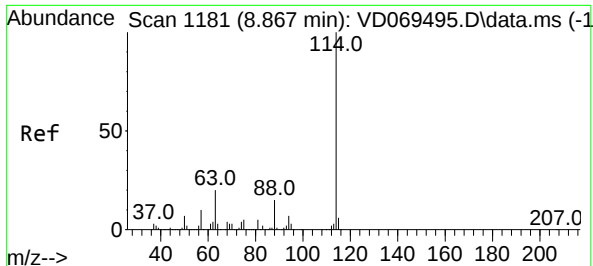
Tgt Ion: 56 Resp: 11072
Ion Ratio Lower Upper
56 100
69 159.5 28.0 42.0#
84 148.2 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 72.288 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

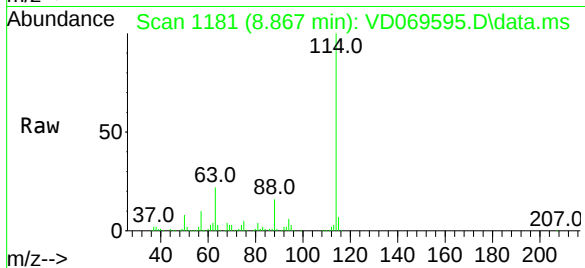
Tgt Ion: 65 Resp: 385564
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.6



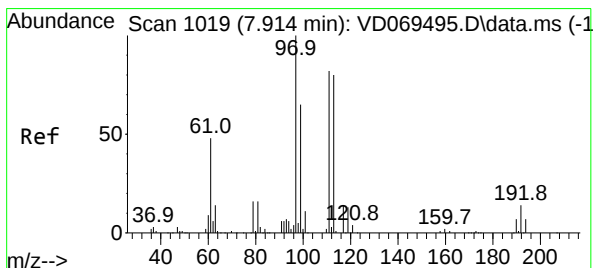
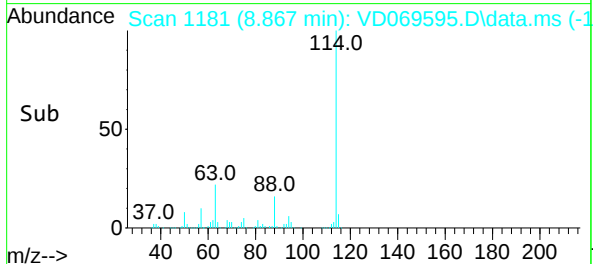
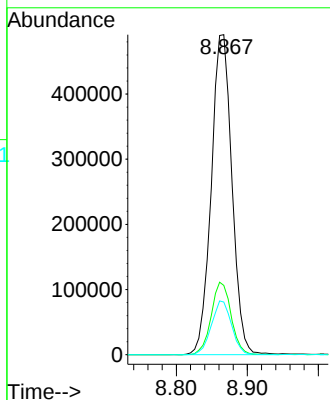


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

Instrument :
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ClientSampleId :
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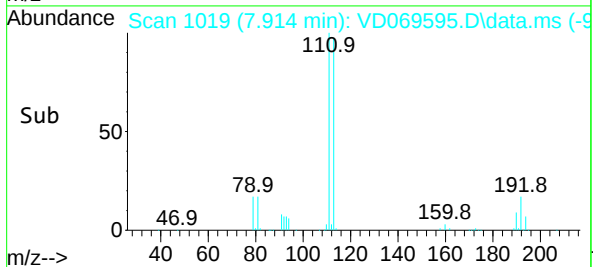
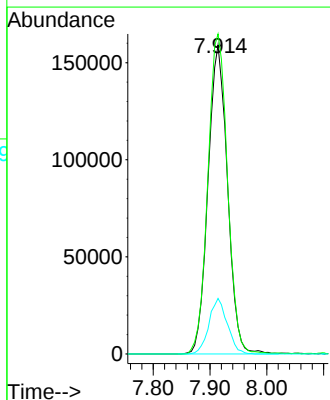
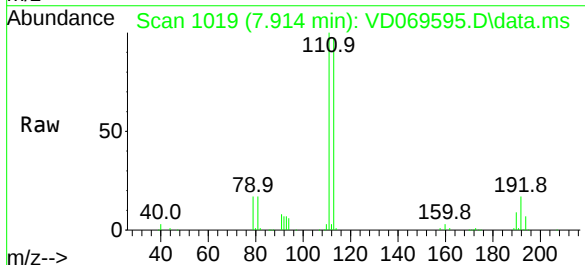


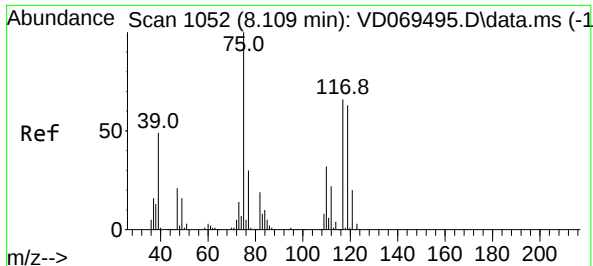
Tgt Ion:114 Resp: 992201
Ion Ratio Lower Upper
114 100
63 21.7 0.0 39.6
88 16.4 0.0 29.8



#35
Dibromofluoromethane
Concen: 56.305 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

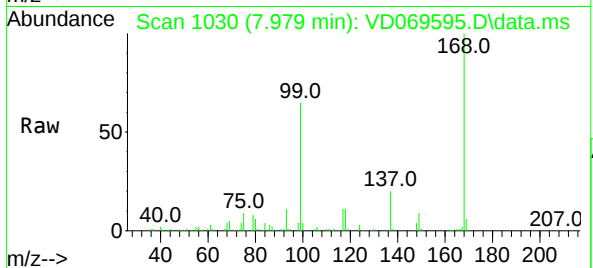
Tgt Ion:113 Resp: 377640
Ion Ratio Lower Upper
113 100
111 104.7 81.8 122.8
192 17.0 13.8 20.6



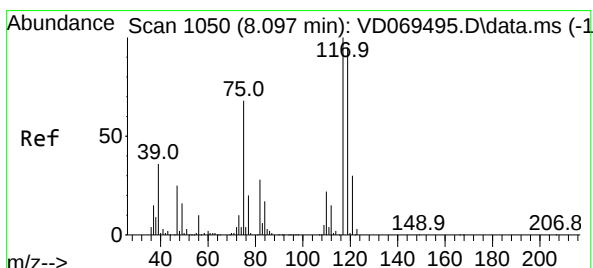
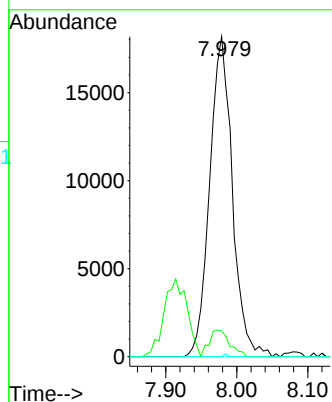
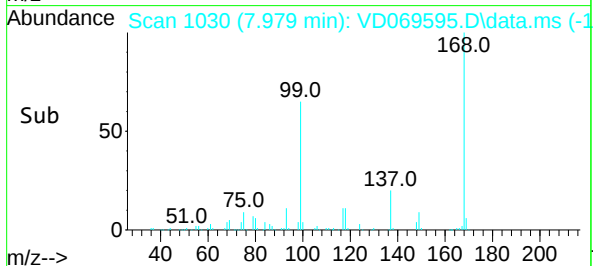


#36
1,1-Dichloropropene
Concen: 4.135 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

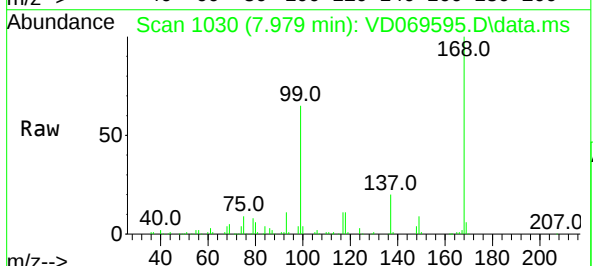
Instrument :
MSVOA_D
ClientSampled :
SB-2



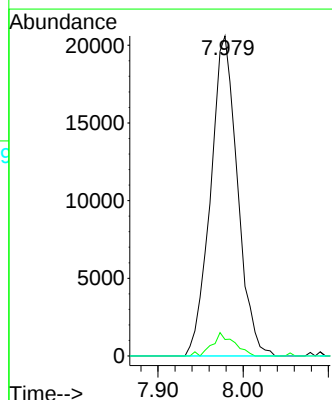
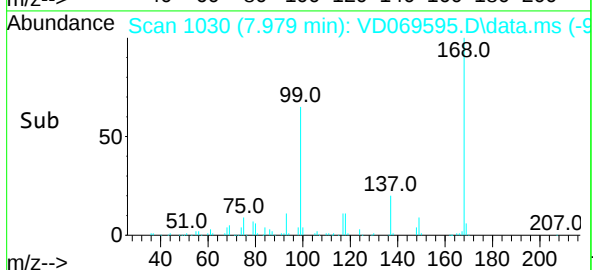
Tgt Ion: 75 Resp: 40270
Ion Ratio Lower Upper
75 100
110 7.5 16.8 50.4#
77 0.1 24.3 36.5#

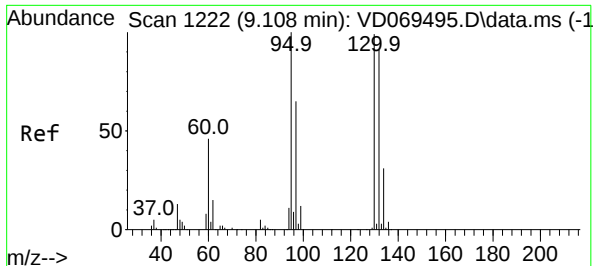


#38
Carbon Tetrachloride
Concen: 4.690 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27



Tgt Ion: 117 Resp: 45196
Ion Ratio Lower Upper
117 100
119 5.2 75.6 113.4#
121 0.0 23.8 35.8#

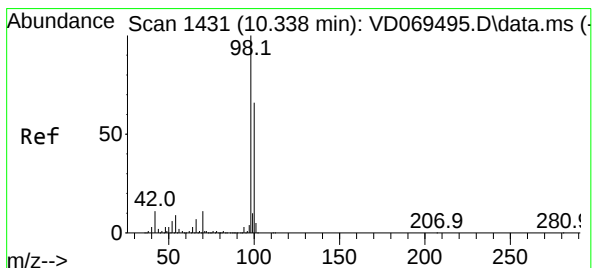
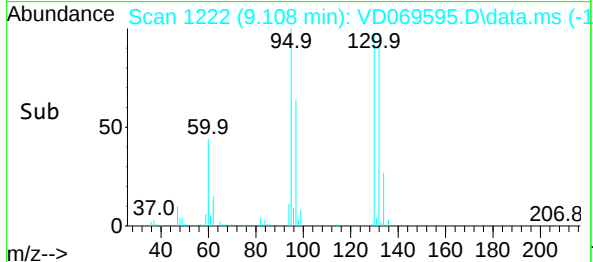
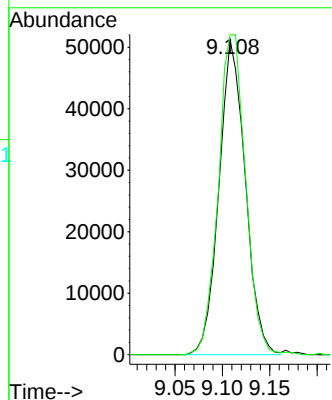
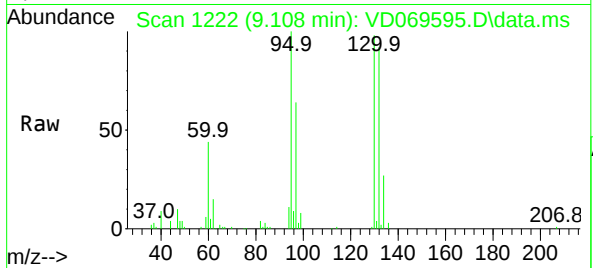




#44
Trichloroethene
Concen: 13.949 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

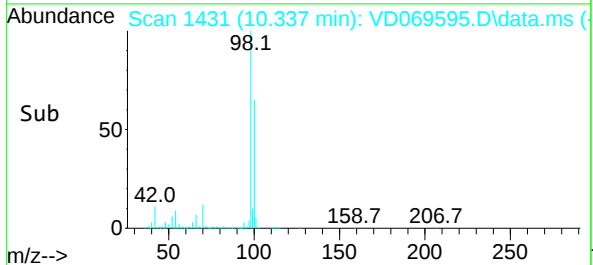
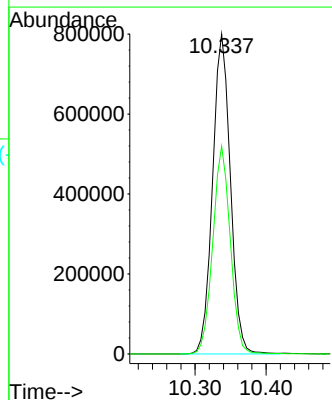
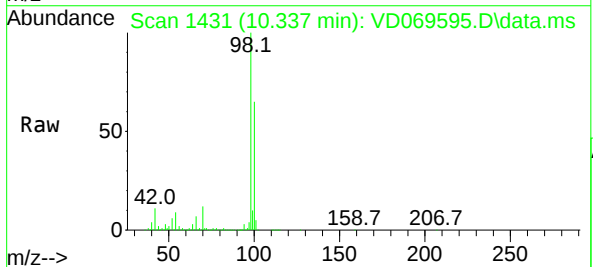
Instrument :
MSVOA_D
ClientSampleId :
SB-2

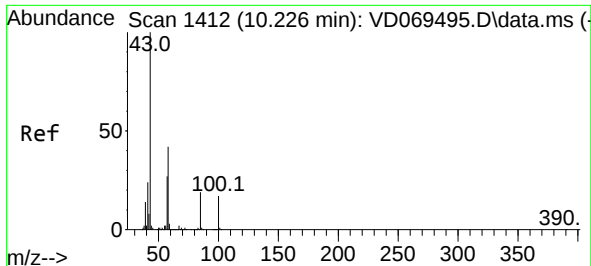
Tgt Ion:130 Resp: 98812
Ion Ratio Lower Upper
130 100
95 101.6 0.0 202.2



#50
Toluene-d8
Concen: 55.343 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

Tgt Ion: 98 Resp: 1392323
Ion Ratio Lower Upper
98 100
100 63.9 52.3 78.5

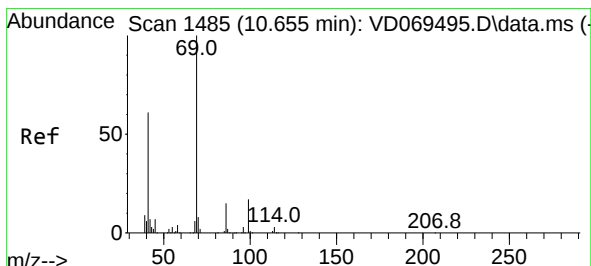
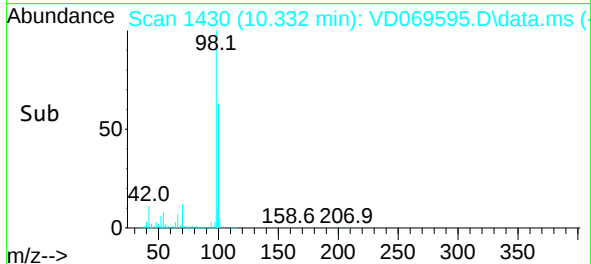
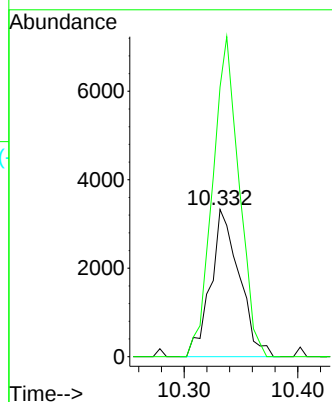
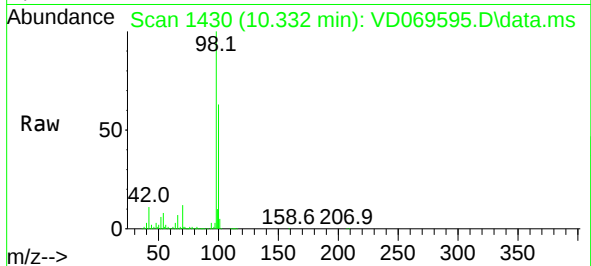




#51
4-Methyl-2-Pentanone
Concen: 1.689 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.105 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

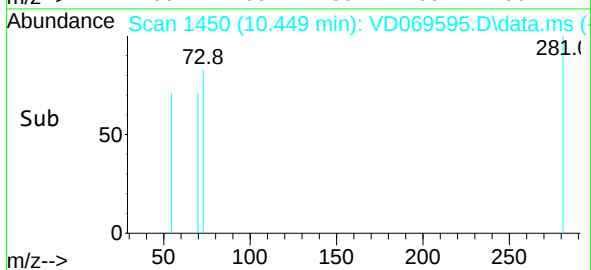
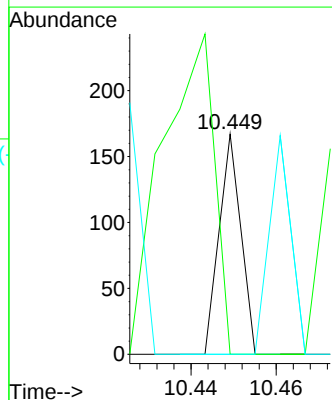
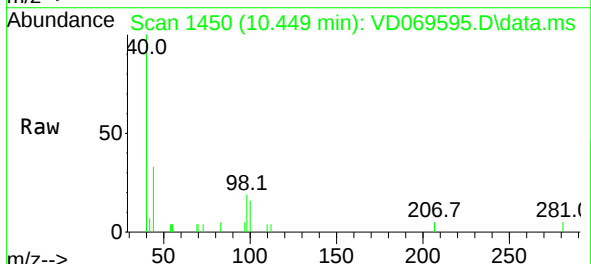
Instrument :
MSVOA_D
ClientSampled :
SB-2

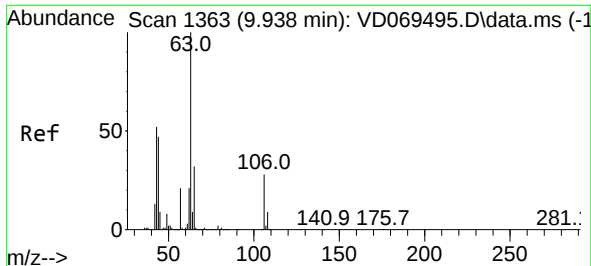
Tgt Ion: 43 Resp: 5831
Ion Ratio Lower Upper
43 100
58 201.0 33.6 50.4#



#56
Ethyl methacrylate
Concen: 2.590 ug/l
RT: 10.449 min Scan# 1450
Delta R.T. -0.206 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

Tgt Ion: 69 Resp: 59
Ion Ratio Lower Upper
69 100
41 347.5 49.4 74.0#
39 100.0 26.9 40.3#

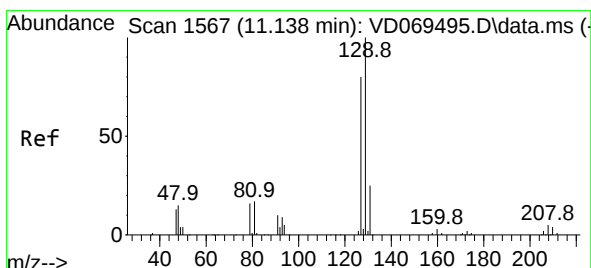
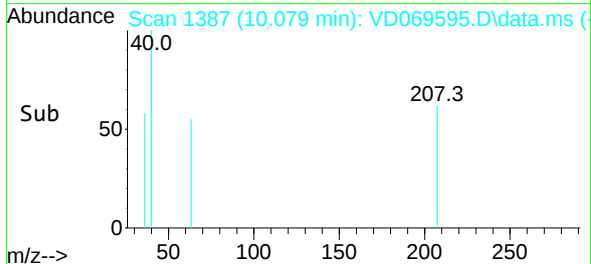
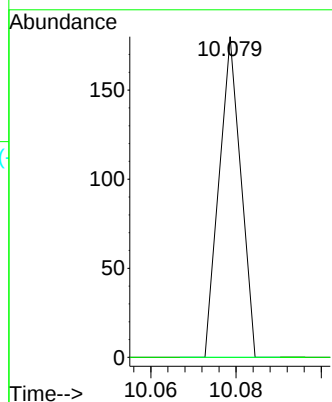
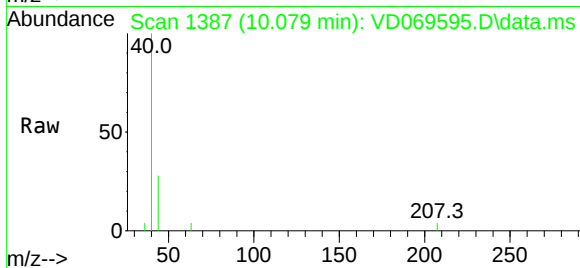




#58
2-Chloroethyl Vinyl ether
Concen: 10.619 ug/l
RT: 10.079 min Scan# 1387
Delta R.T. 0.141 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

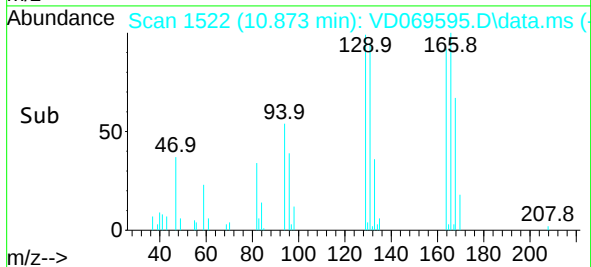
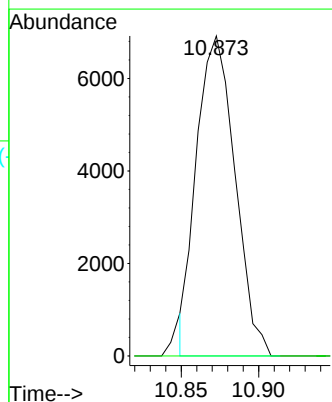
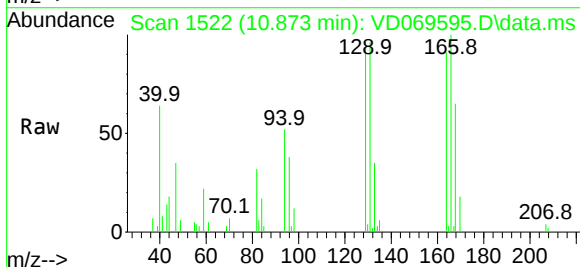
Instrument :
MSVOA_D
ClientSampled :
SB-2

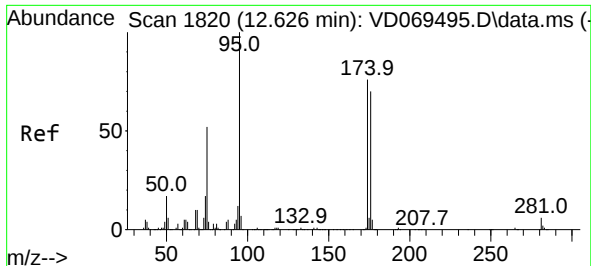
Tgt Ion: 63 Resp: 64
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#60
Dibromochloromethane
Concen: 1.901 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.265 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

Tgt Ion: 129 Resp: 11942
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#

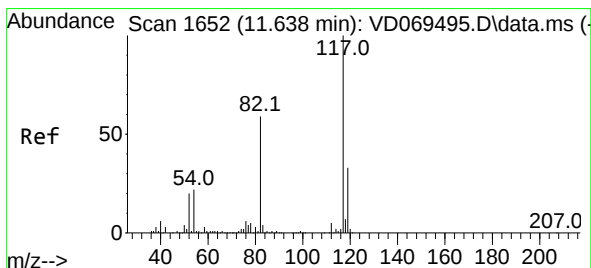
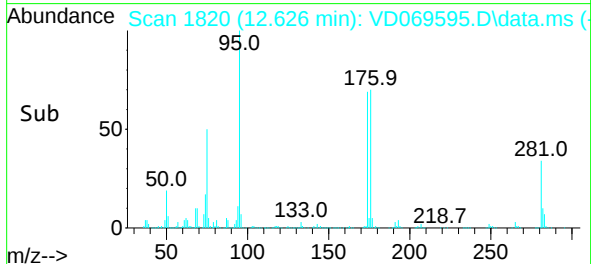
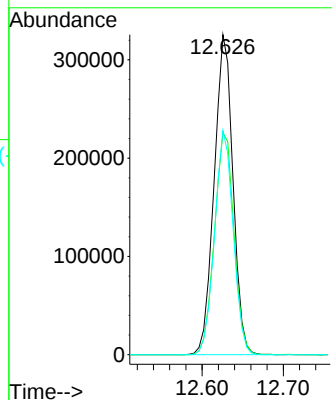
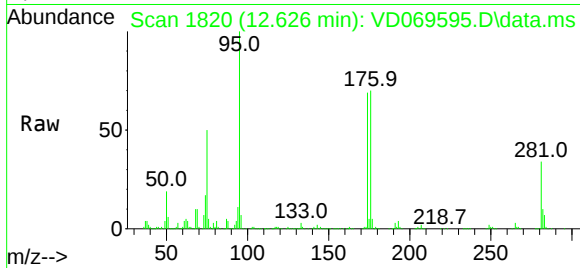




#62
4-Bromofluorobenzene
Concen: 63.214 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

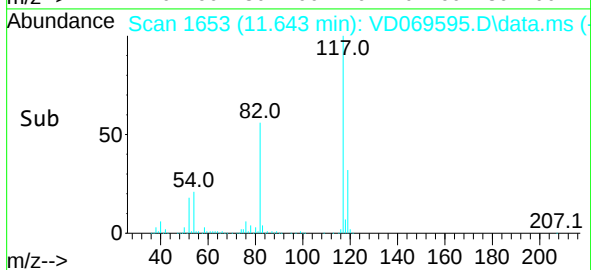
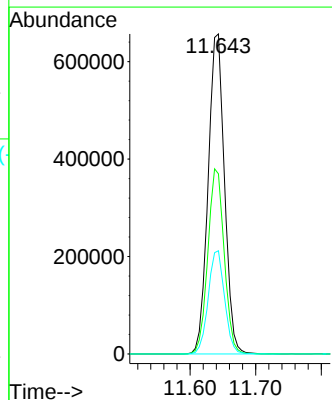
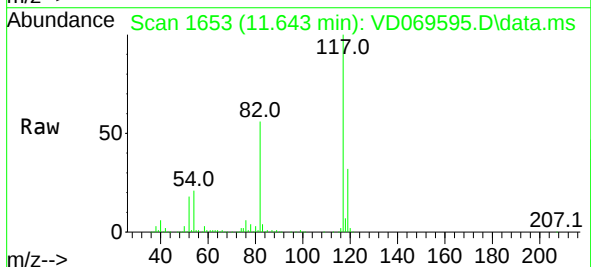
Instrument :
MSVOA_D
ClientSampleId :
SB-2

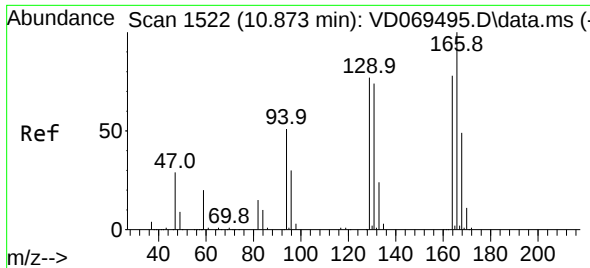
Tgt Ion: 95 Resp: 522827
Ion Ratio Lower Upper
95 100
174 72.1 0.0 148.0
176 69.7 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.005 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

Tgt Ion: 117 Resp: 1139970
Ion Ratio Lower Upper
117 100
82 56.3 46.8 70.2
119 32.3 26.2 39.2

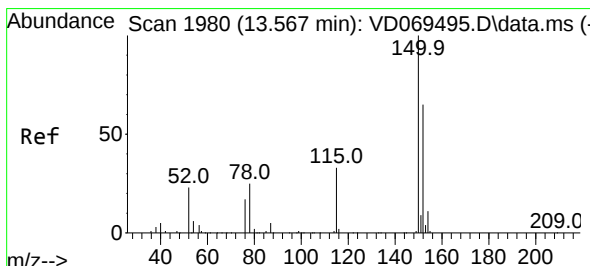
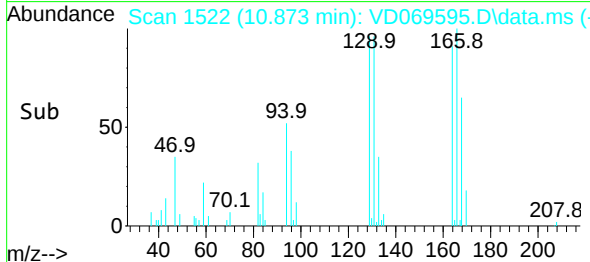
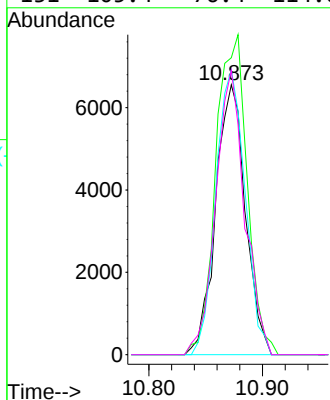
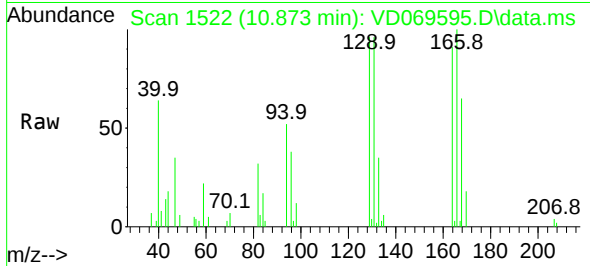




#64
Tetrachloroethene
Concen: 1.668 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

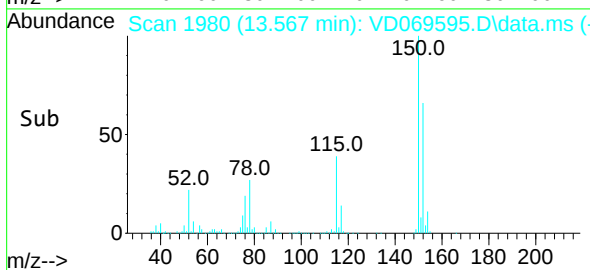
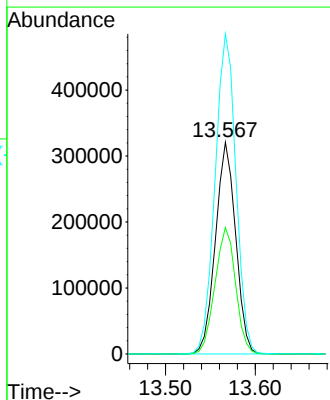
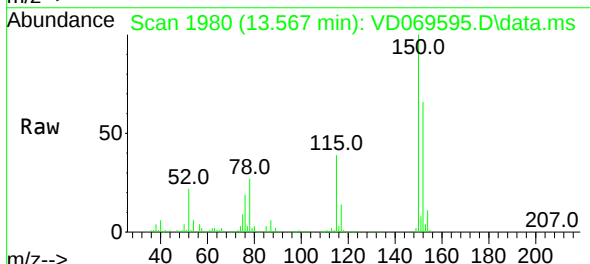
Instrument :
MSVOA_D
ClientSampleId :
SB-2

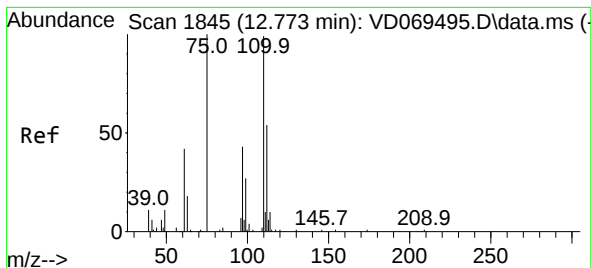
Tgt Ion:	164	Resp:	11938
Ion	Ratio	Lower	Upper
164	100		
166	110.0	102.6	153.8
129	105.5	79.1	118.7
131	105.4	76.4	114.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

Tgt Ion:	152	Resp:	501282
Ion	Ratio	Lower	Upper
152	100		
115	60.9	31.7	95.1
150	156.0	0.0	350.8





#76

1,2,3-Trichloropropane

Concen: 53.723 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.147 min

Lab File: VD069595.D

Acq: 06 Jul 2021 21:27

Tgt Ion: 75 Resp: 264357

Ion Ratio Lower Upper

75 100

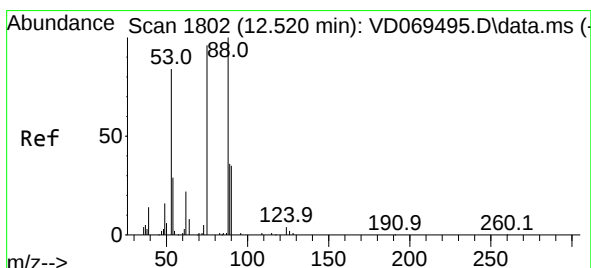
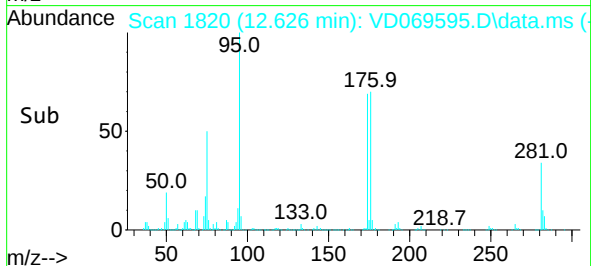
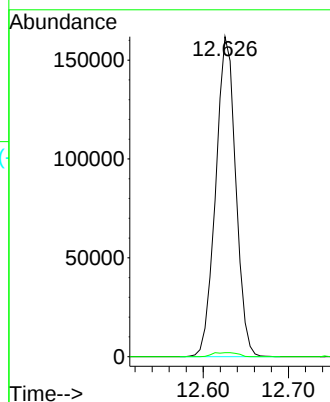
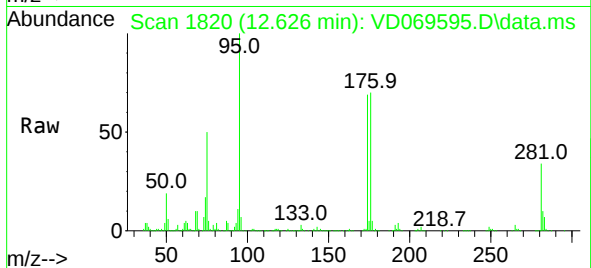
77 1.6 162.6 487.8#

Instrument :

MSVOA_D

ClientSampleId :

SB-2



#81

trans-1,4-Dichloro-2-butene

Concen: 134.139 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.106 min

Lab File: VD069595.D

Acq: 06 Jul 2021 21:27

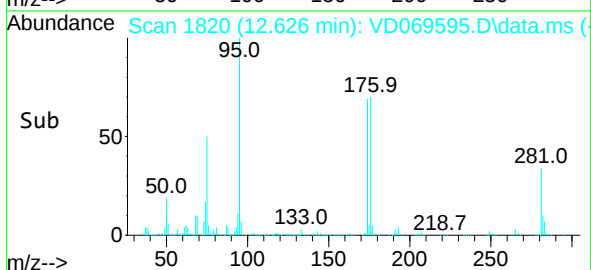
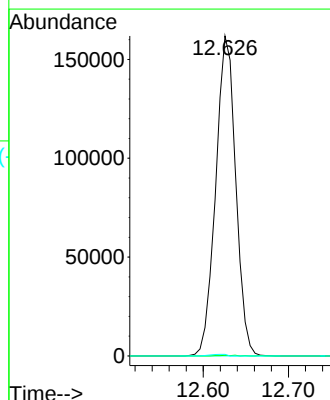
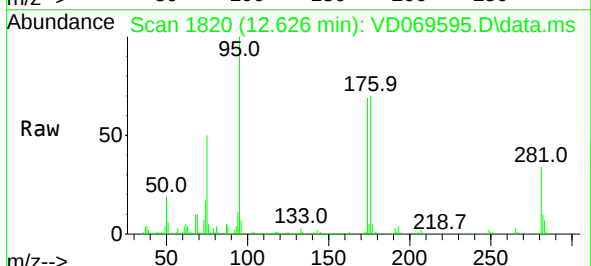
Tgt Ion: 75 Resp: 264357

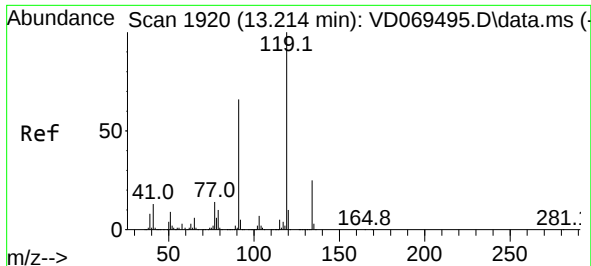
Ion Ratio Lower Upper

75 100

53 0.2 74.6 112.0#

89 0.4 35.3 52.9#

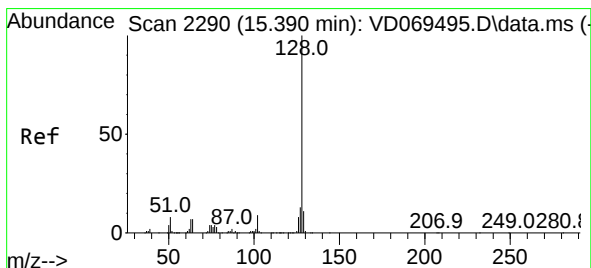
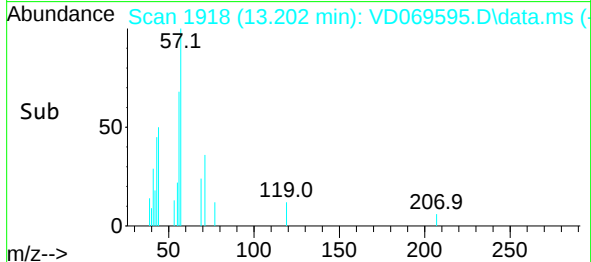
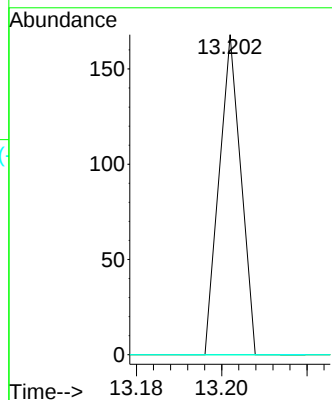
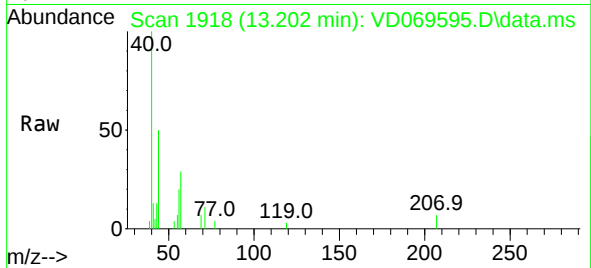




#83
tert-Butylbenzene
Concen: 1.994 ug/l
RT: 13.202 min Scan# 1918
Delta R.T. -0.012 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

Instrument :
MSVOA_D
ClientSampled :
SB-2

Tgt Ion:119 Resp: 59
Ion Ratio Lower Upper
119 100
91 0.0 32.5 97.4#
134 0.0 12.9 38.7#



#95
Naphthalene
Concen: 3.384 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069595.D
Acq: 06 Jul 2021 21:27

Tgt Ion:128 Resp: 490
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

