

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070921\
 Data File : VD069651.D
 Acq On : 09 Jul 2021 17:29
 Operator : VA/SY
 Sample : M2990-07
 Misc : 3.28G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-K

Quant Time: Jul 10 02:55:59 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)

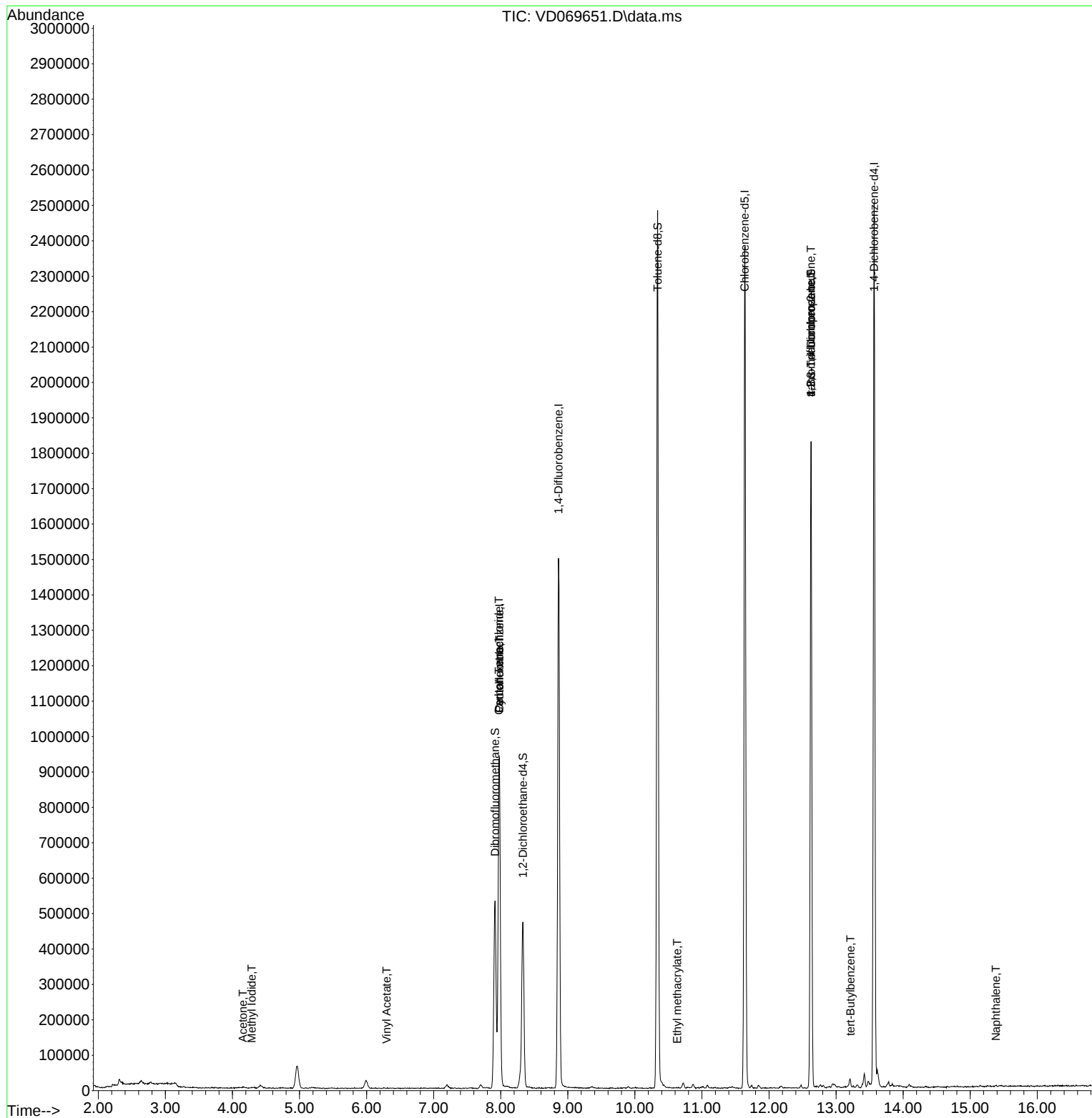
Internal Standards						
1) Pentafluorobenzene	7.979	168	654621	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1267622	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1363362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	636630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	380210	46.596	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.200%		
35) Dibromofluoromethane	7.914	113	393472	45.919	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.840%		
50) Toluene-d8	10.338	98	1657316	51.563	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.120%		
62) 4-Bromofluorobenzene	12.626	95	640799	60.644	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	121.280%		
Target Compounds						Qvalue
5) Bromomethane	2.779	94	4982	Below Cal		98
10) Methyl Iodide	4.285	142	1288	4.113 ug/l #		80
11) Tert butyl alcohol	5.185	59	1795	Below Cal #		83
16) Acetone	4.156	43	5527	4.024 ug/l #		88
18) Methyl Acetate	4.715	43	120	Below Cal #		49
20) Methylene Chloride	4.968	84	50937	Below Cal		97
23) Vinyl Acetate	6.297	43	83	19.017 ug/l #		70
31) Cyclohexane	7.979	56	17320	1.576 ug/l #		1
38) Carbon Tetrachloride	7.973	117	72246	5.868 ug/l #		16
56) Ethyl methacrylate	10.632	69	244	2.610 ug/l #		14
76) 1,2,3-Trichloropropane	12.626	75	318770	51.009 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	318770	127.361 ug/l #		13
83) tert-Butylbenzene	13.214	119	2467	2.064 ug/l		96
95) Naphthalene	15.385	128	1420	3.421 ug/l #		80

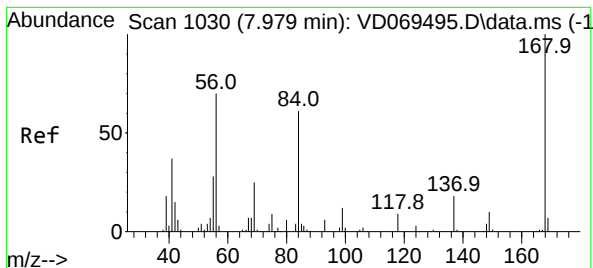
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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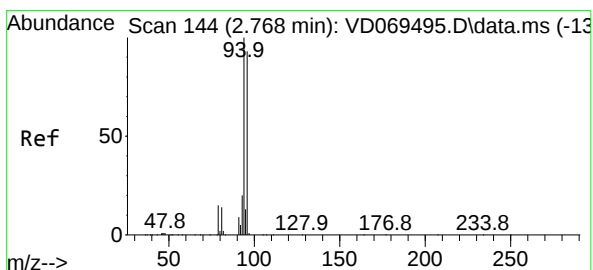
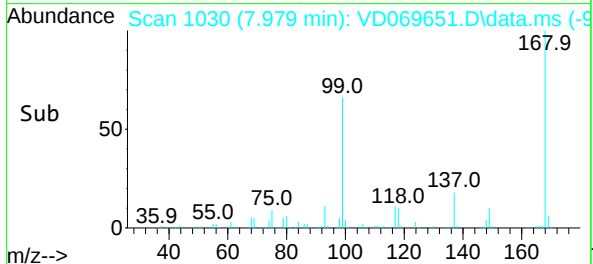
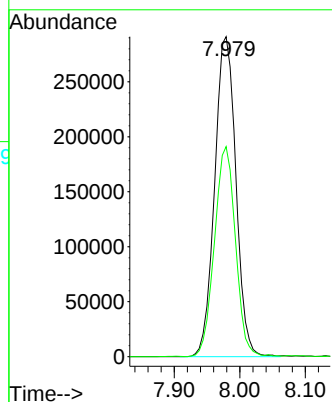
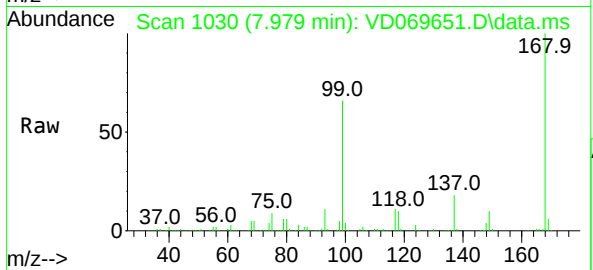




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069651.D
Acq: 09 Jul 2021 17:29

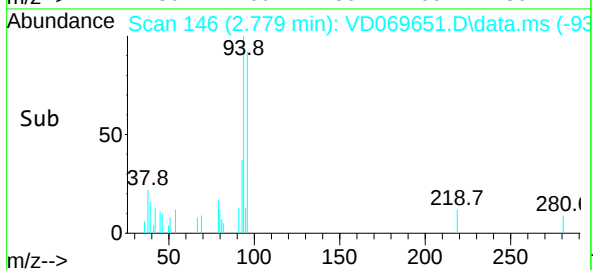
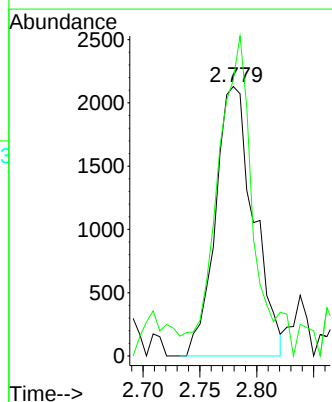
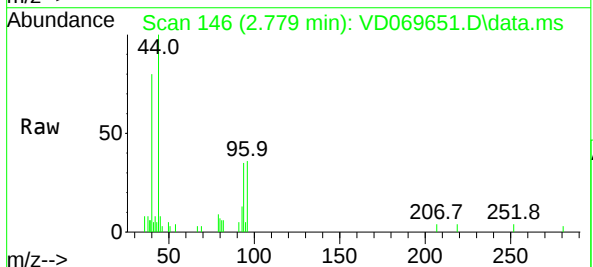
Instrument :
MSVOA_D
ClientSampleId :
TP-K

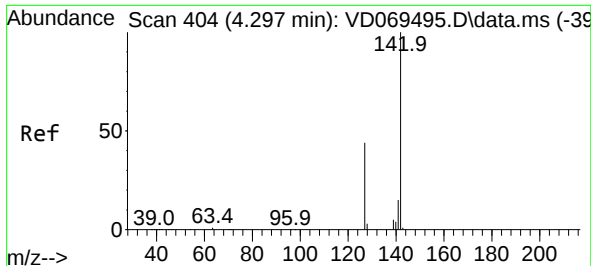
Tgt Ion:168 Resp: 654621
Ion Ratio Lower Upper
168 100
99 65.6 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069651.D
Acq: 09 Jul 2021 17:29

Tgt Ion: 94 Resp: 4982
Ion Ratio Lower Upper
94 100
96 95.1 74.6 111.8

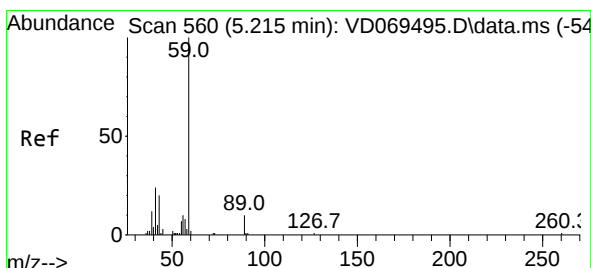
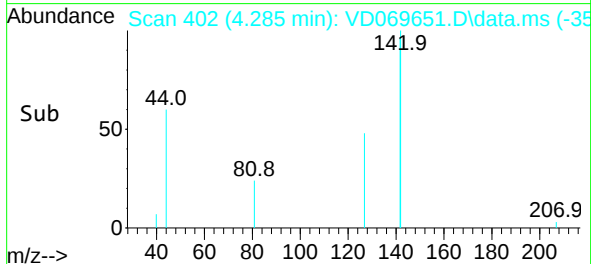
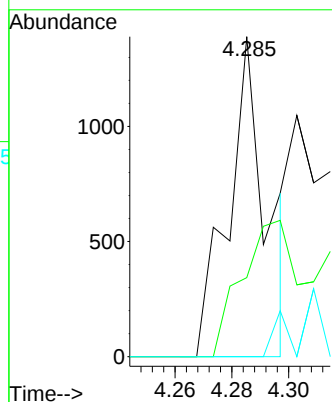
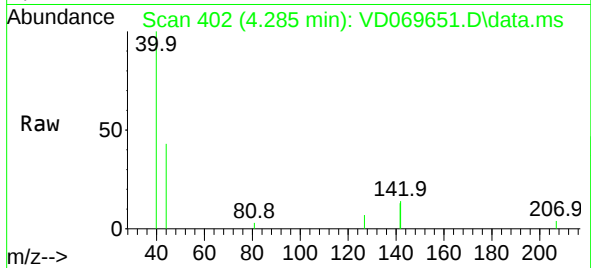




#10
Methyl Iodide
Concen: 4.113 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD069651.D
Acq: 09 Jul 2021 17:29

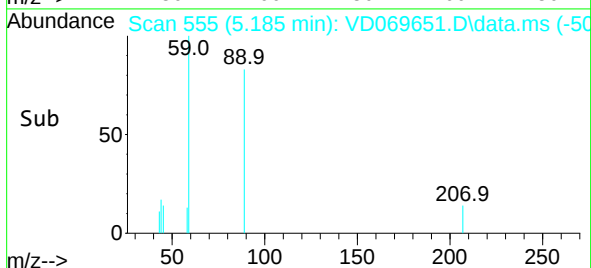
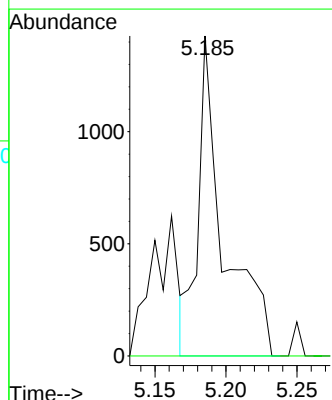
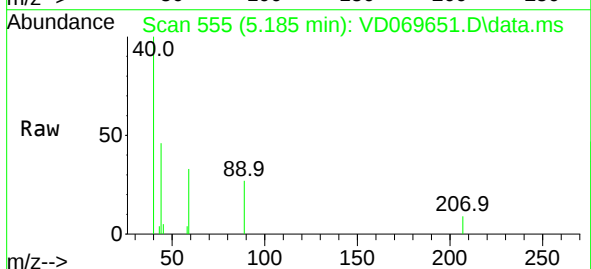
Instrument :
MSVOA_D
ClientSampled :
TP-K

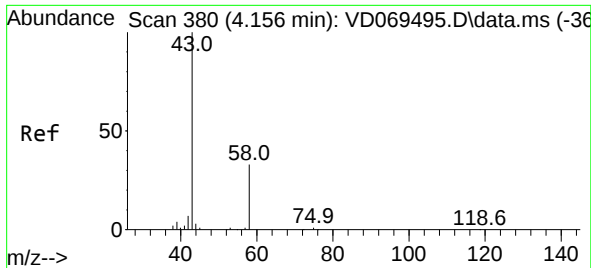
Tgt Ion:142 Resp: 1288
Ion Ratio Lower Upper
142 100
127 58.1 36.5 54.7#
141 5.4 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.030 min
Lab File: VD069651.D
Acq: 09 Jul 2021 17:29

Tgt Ion: 59 Resp: 1795
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

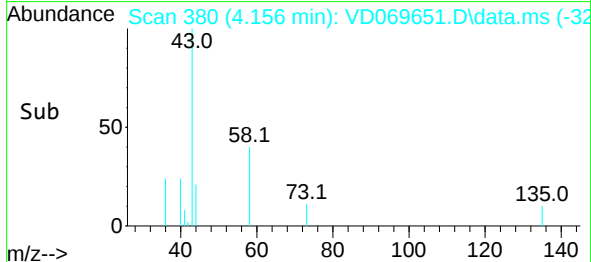
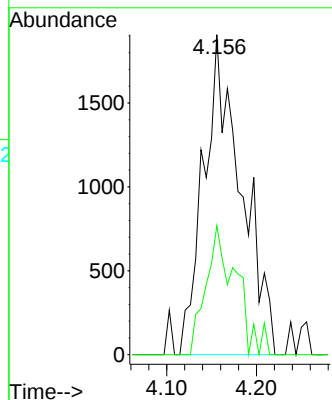
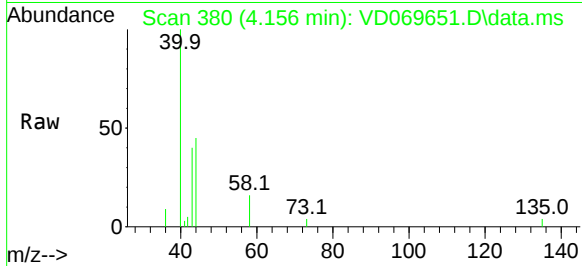




#16
Acetone
Concen: 4.024 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD069651.D
Acq: 09 Jul 2021 17:29

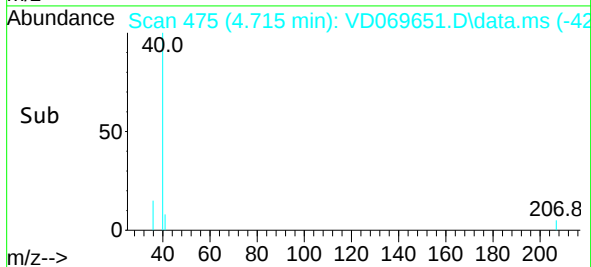
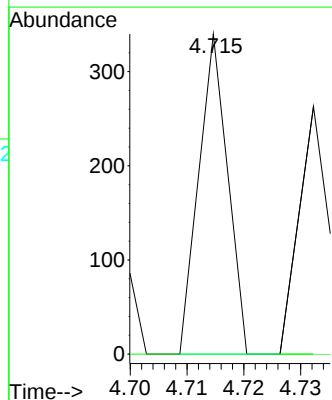
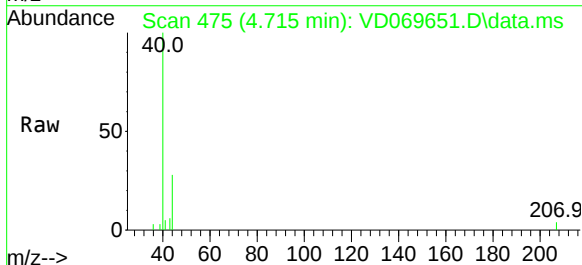
Instrument :
MSVOA_D
ClientSampled :
TP-K

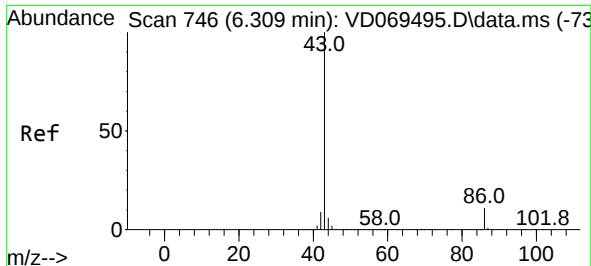
Tgt Ion: 43 Resp: 5527
Ion Ratio Lower Upper
43 100
58 40.3 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.715 min Scan# 475
Delta R.T. -0.005 min
Lab File: VD069651.D
Acq: 09 Jul 2021 17:29

Tgt Ion: 43 Resp: 120
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

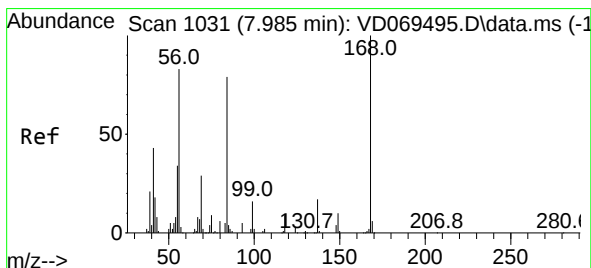
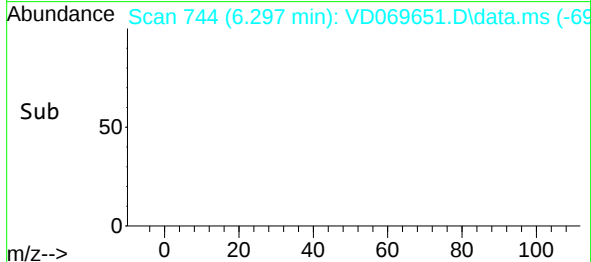
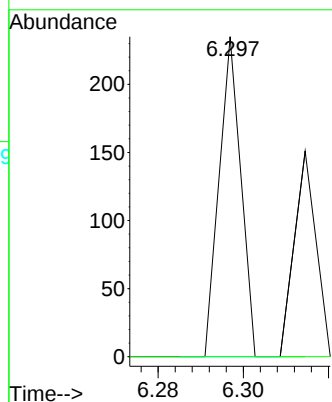
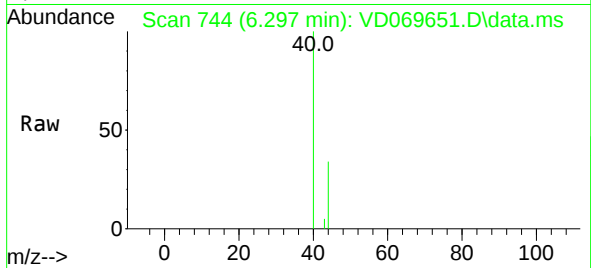




#23
 Vinyl Acetate
 Concen: 19.017 ug/l
 RT: 6.297 min Scan# 744
 Delta R.T. -0.012 min
 Lab File: VD069651.D
 Acq: 09 Jul 2021 17:29

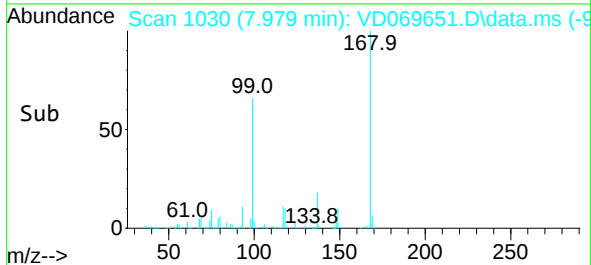
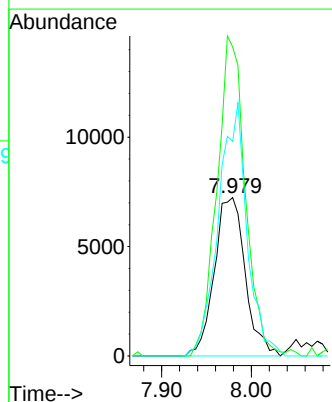
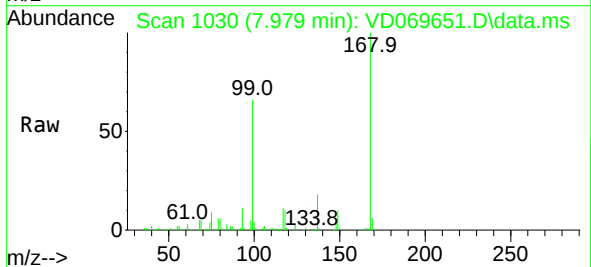
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-K

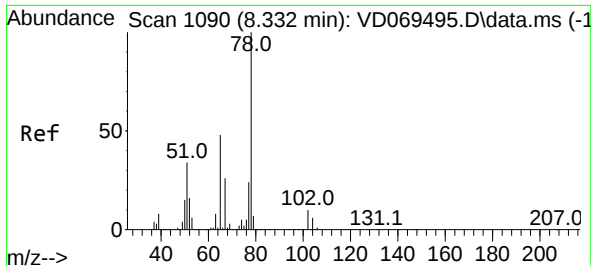
Tgt Ion: 43 Resp: 83
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#31
 Cyclohexane
 Concen: 1.576 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD069651.D
 Acq: 09 Jul 2021 17:29

Tgt Ion: 56 Resp: 17320
 Ion Ratio Lower Upper
 56 100
 69 195.1 28.0 42.0#
 84 135.5 75.7 113.5#



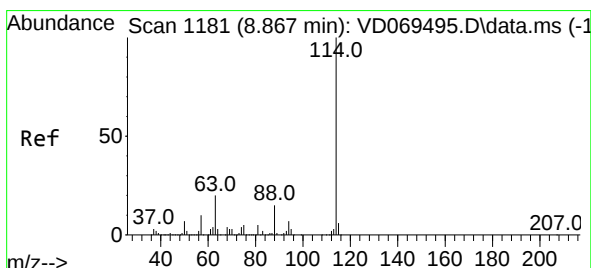
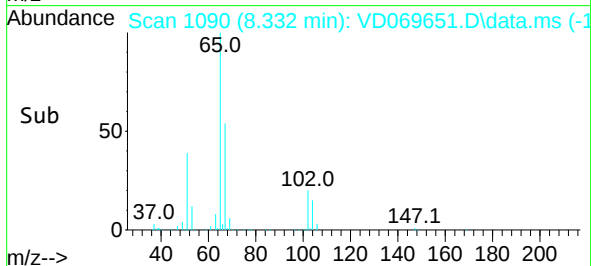
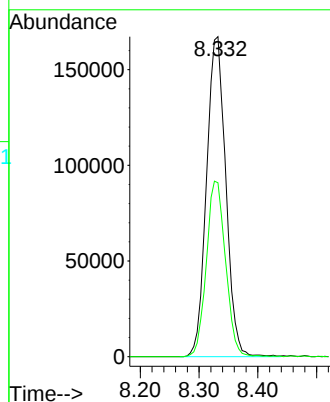
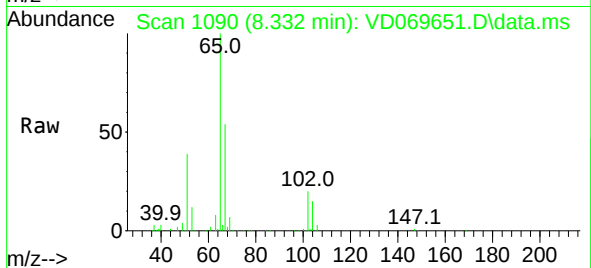


#33

1,2-Dichloroethane-d4
Concen: 46.596 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069651.D
Acq: 09 Jul 2021 17:29

Instrument :
MSVOA_D
ClientSampleId :
TP-K

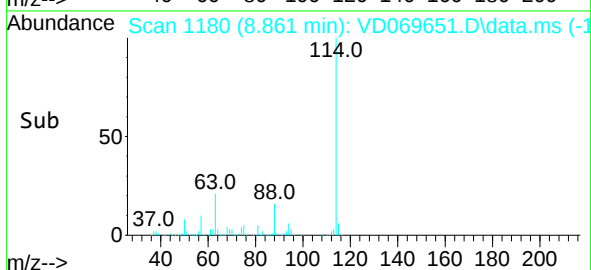
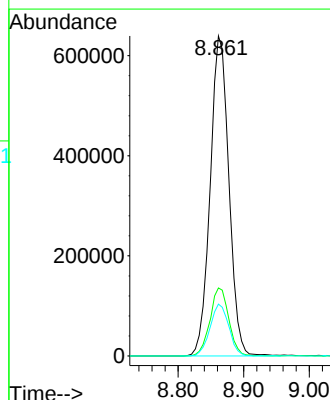
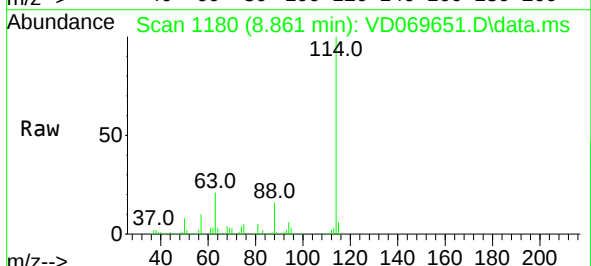
Tgt Ion: 65 Resp: 380210
Ion Ratio Lower Upper
65 100
67 54.6 0.0 105.6

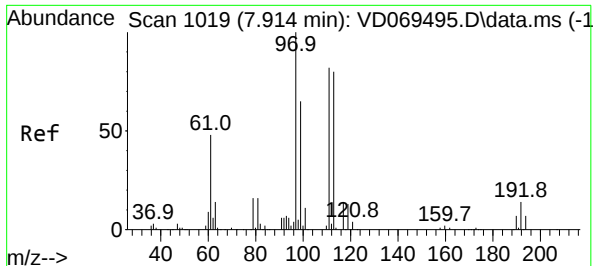


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069651.D
Acq: 09 Jul 2021 17:29

Tgt Ion: 114 Resp: 1267622
Ion Ratio Lower Upper
114 100
63 21.2 0.0 39.6
88 16.2 0.0 29.8





#35

Dibromofluoromethane

Concen: 45.919 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069651.D

Acq: 09 Jul 2021 17:29

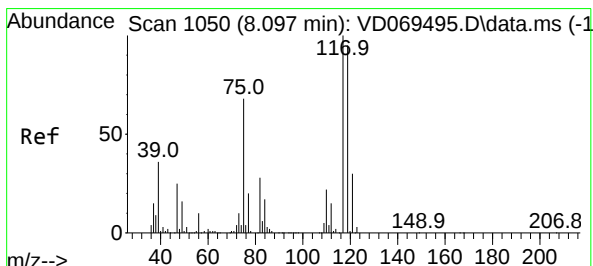
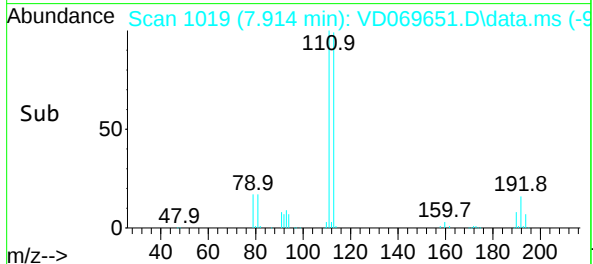
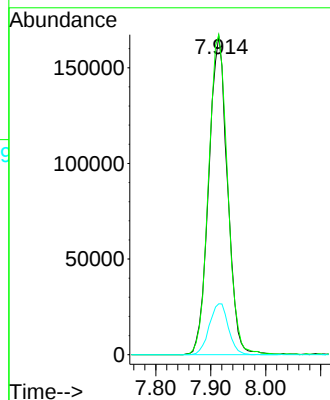
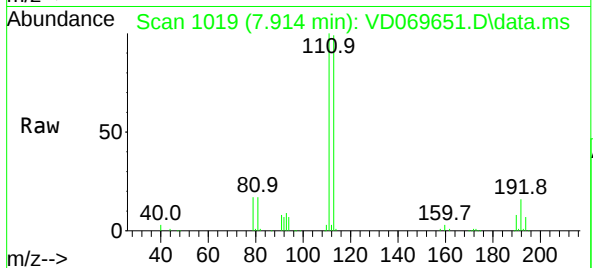
Tgt Ion:113 Resp: 393472

Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

192 16.3 13.8 20.6



#38

Carbon Tetrachloride

Concen: 5.868 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD069651.D

Acq: 09 Jul 2021 17:29

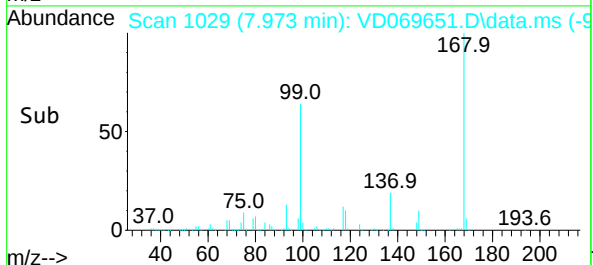
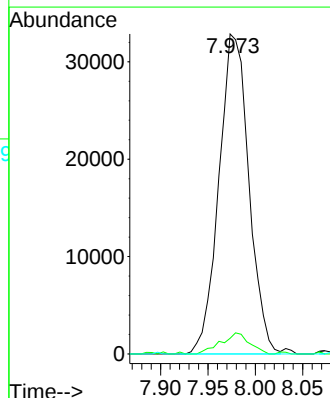
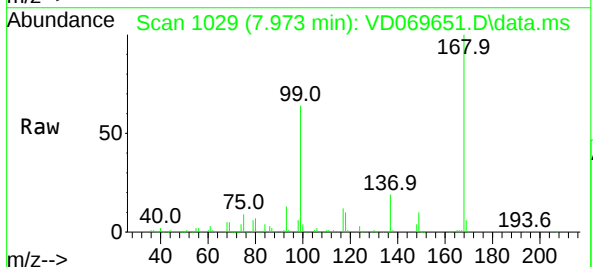
Tgt Ion:117 Resp: 72246

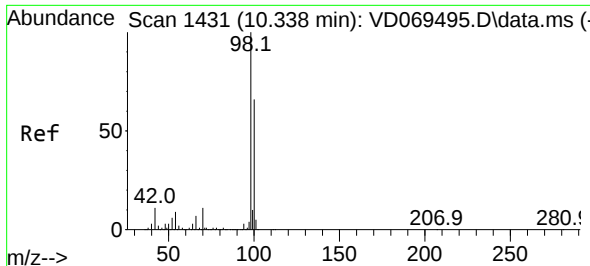
Ion Ratio Lower Upper

117 100

119 4.3 75.6 113.4#

121 0.0 23.8 35.8#

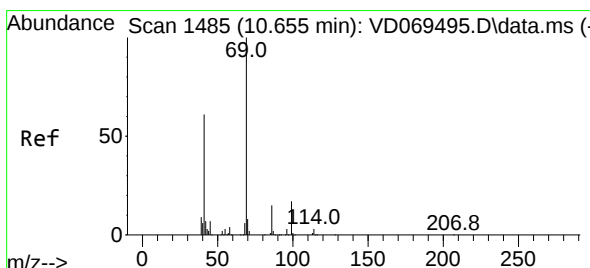
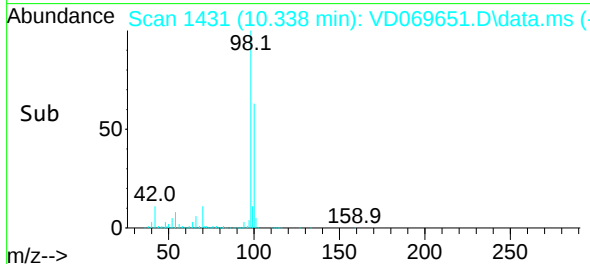
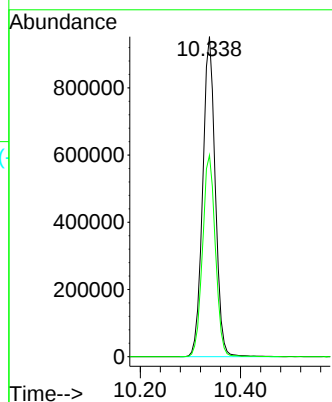
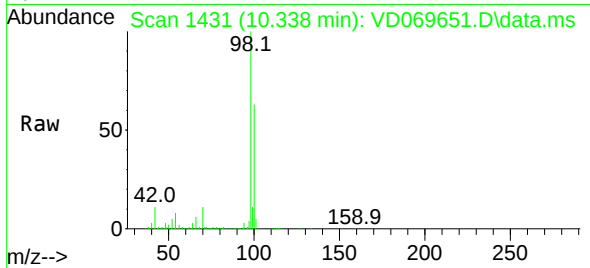




#50
Toluene-d8
Concen: 51.563 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069651.D
Acq: 09 Jul 2021 17:29

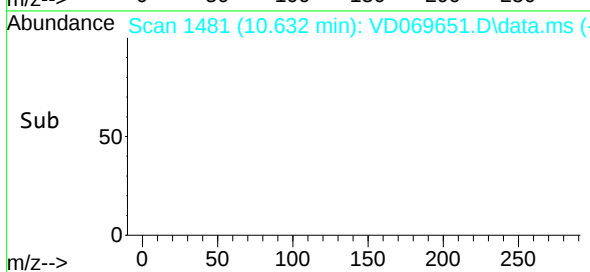
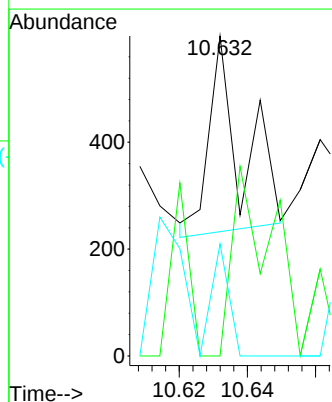
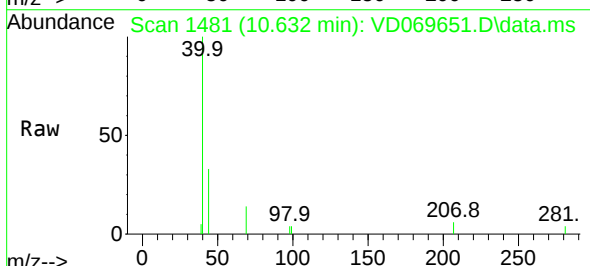
Instrument :
MSVOA_D
ClientSampleId :
TP-K

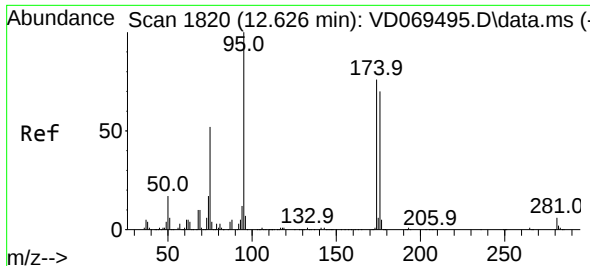
Tgt Ion: 98 Resp: 1657316
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.610 ug/l
RT: 10.632 min Scan# 1481
Delta R.T. -0.023 min
Lab File: VD069651.D
Acq: 09 Jul 2021 17:29

Tgt Ion: 69 Resp: 244
Ion Ratio Lower Upper
69 100
41 139.3 49.4 74.0#
39 0.0 26.9 40.3#

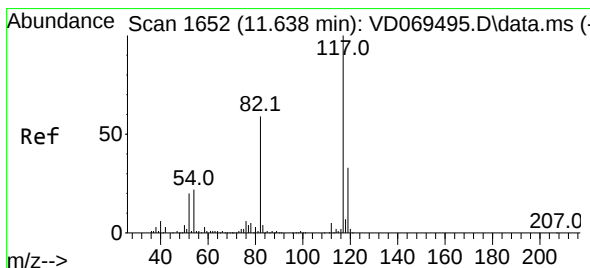
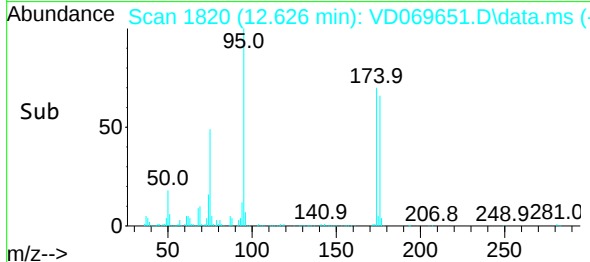
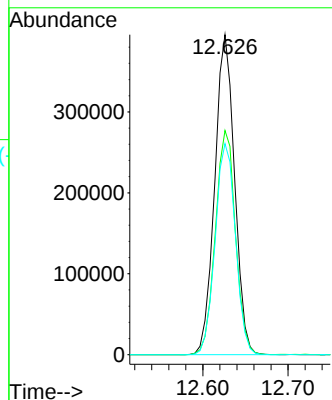
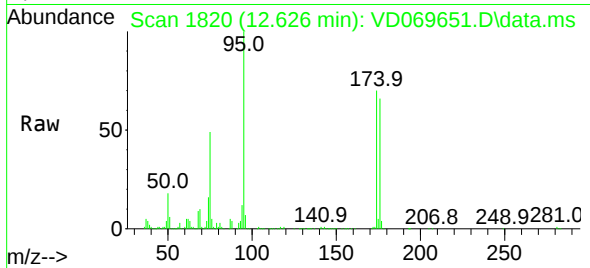




#62
4-Bromofluorobenzene
Concen: 60.644 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069651.D
Acq: 09 Jul 2021 17:29

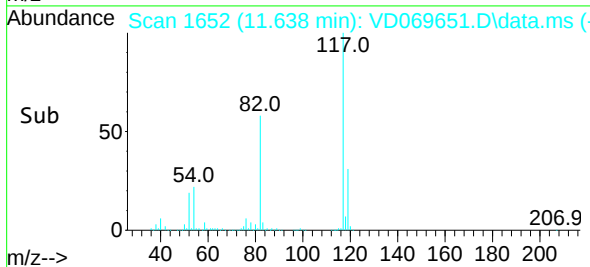
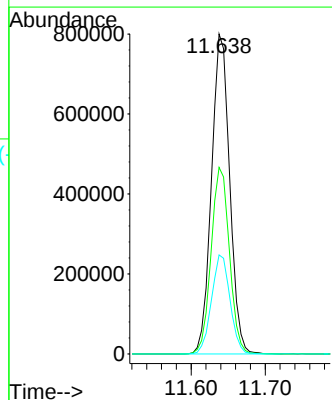
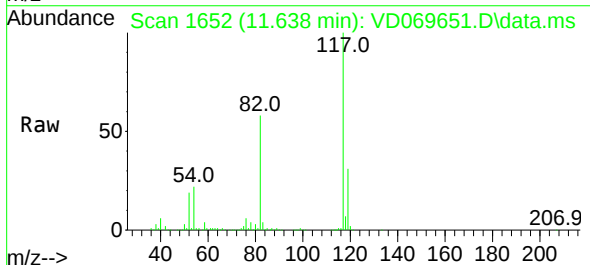
Instrument :
MSVOA_D
ClientSampleId :
TP-K

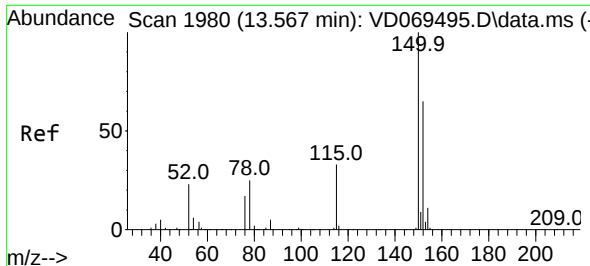
Tgt Ion: 95 Resp: 640799
Ion Ratio Lower Upper
95 100
174 71.1 0.0 148.0
176 67.4 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069651.D
Acq: 09 Jul 2021 17:29

Tgt Ion: 117 Resp: 1363362
Ion Ratio Lower Upper
117 100
82 58.3 46.8 70.2
119 31.0 26.2 39.2

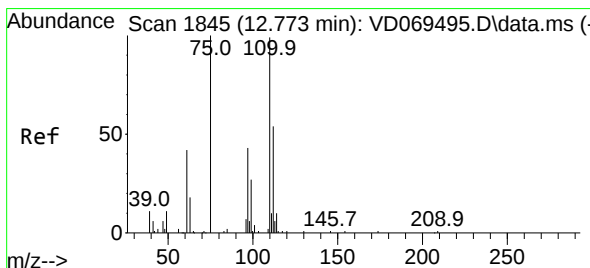
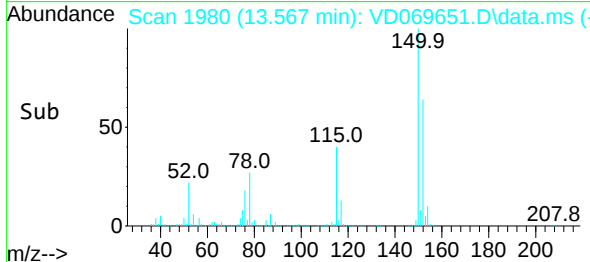
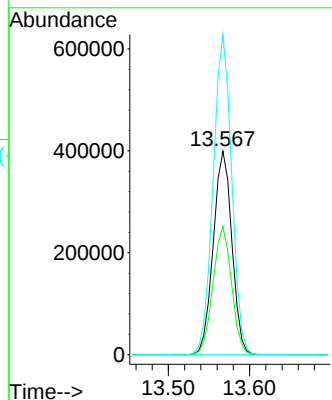
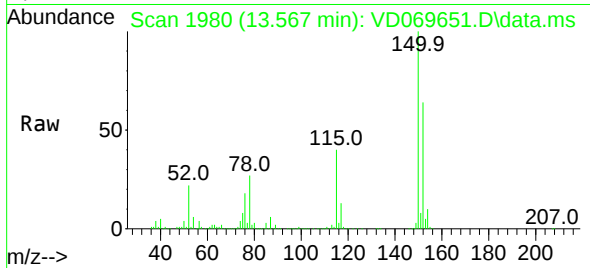




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD069651.D
 Acq: 09 Jul 2021 17:29

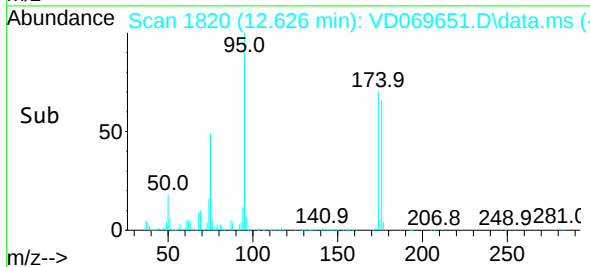
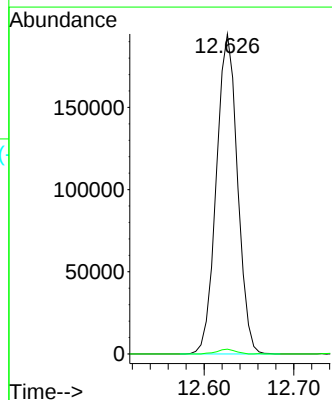
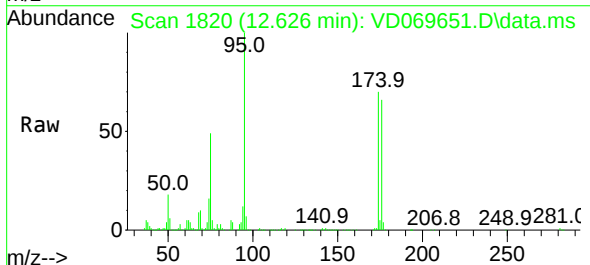
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-K

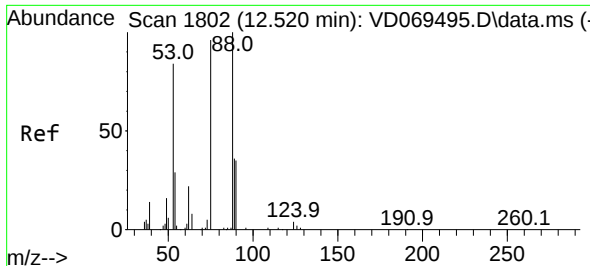
Tgt Ion:152 Resp: 636630
 Ion Ratio Lower Upper
 152 100
 115 62.8 31.7 95.1
 150 156.6 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 51.009 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069651.D
 Acq: 09 Jul 2021 17:29

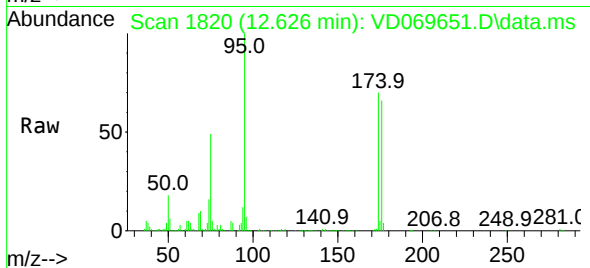
Tgt Ion: 75 Resp: 318770
 Ion Ratio Lower Upper
 75 100
 77 1.3 162.6 487.8#



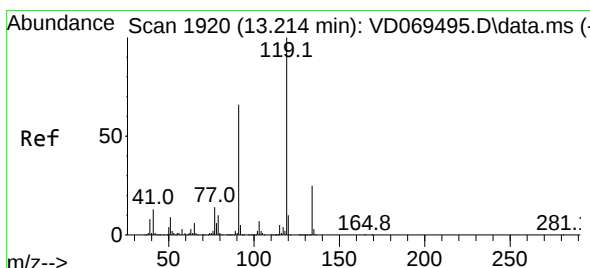
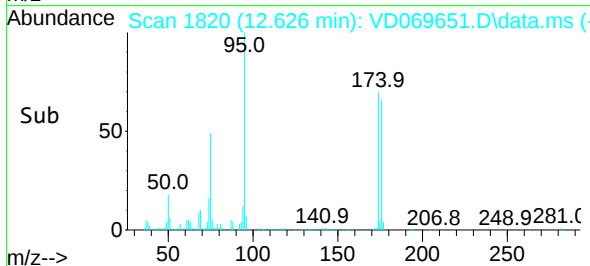
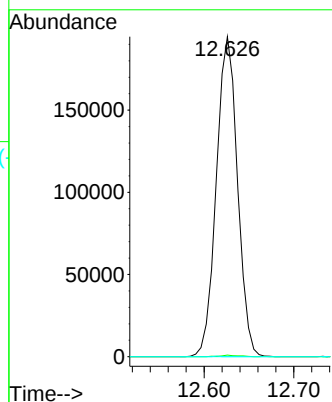


#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.361 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069651.D
 Acq: 09 Jul 2021 17:29

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-K

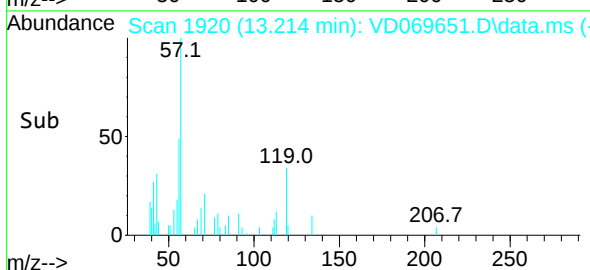
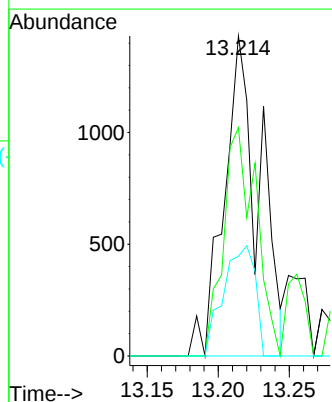
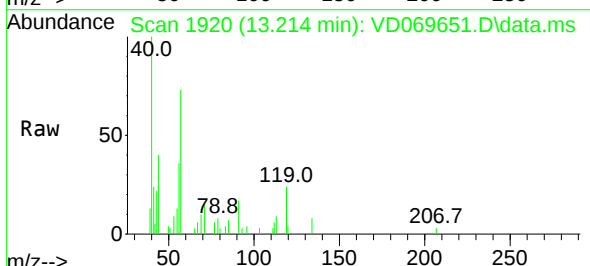


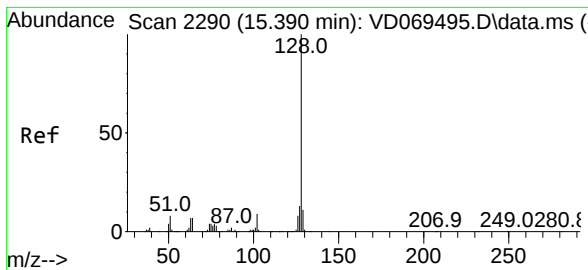
Tgt Ion: 75 Resp: 318770
 Ion Ratio Lower Upper
 75 100
 53 0.4 74.6 112.0#
 89 0.0 35.3 52.9#



#83
 tert-Butylbenzene
 Concen: 2.064 ug/l
 RT: 13.214 min Scan# 1920
 Delta R.T. 0.000 min
 Lab File: VD069651.D
 Acq: 09 Jul 2021 17:29

Tgt Ion: 119 Resp: 2467
 Ion Ratio Lower Upper
 119 100
 91 65.9 32.5 97.4
 134 31.1 12.9 38.7





#95
Naphthalene
Concen: 3.421 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069651.D
Acq: 09 Jul 2021 17:29

Instrument :
MSVOA_D
ClientSampleId :
TP-K

Tgt Ion:128 Resp: 1420
Ion Ratio Lower Upper
128 100
127 7.8 10.6 16.0#
129 0.0 8.7 13.1#

