

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070921\
 Data File : VD069650.D
 Acq On : 09 Jul 2021 17:00
 Operator : VA/SY
 Sample : M2990-04
 Misc : 4.73G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-G

Quant Time: Jul 10 02:55:44 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)

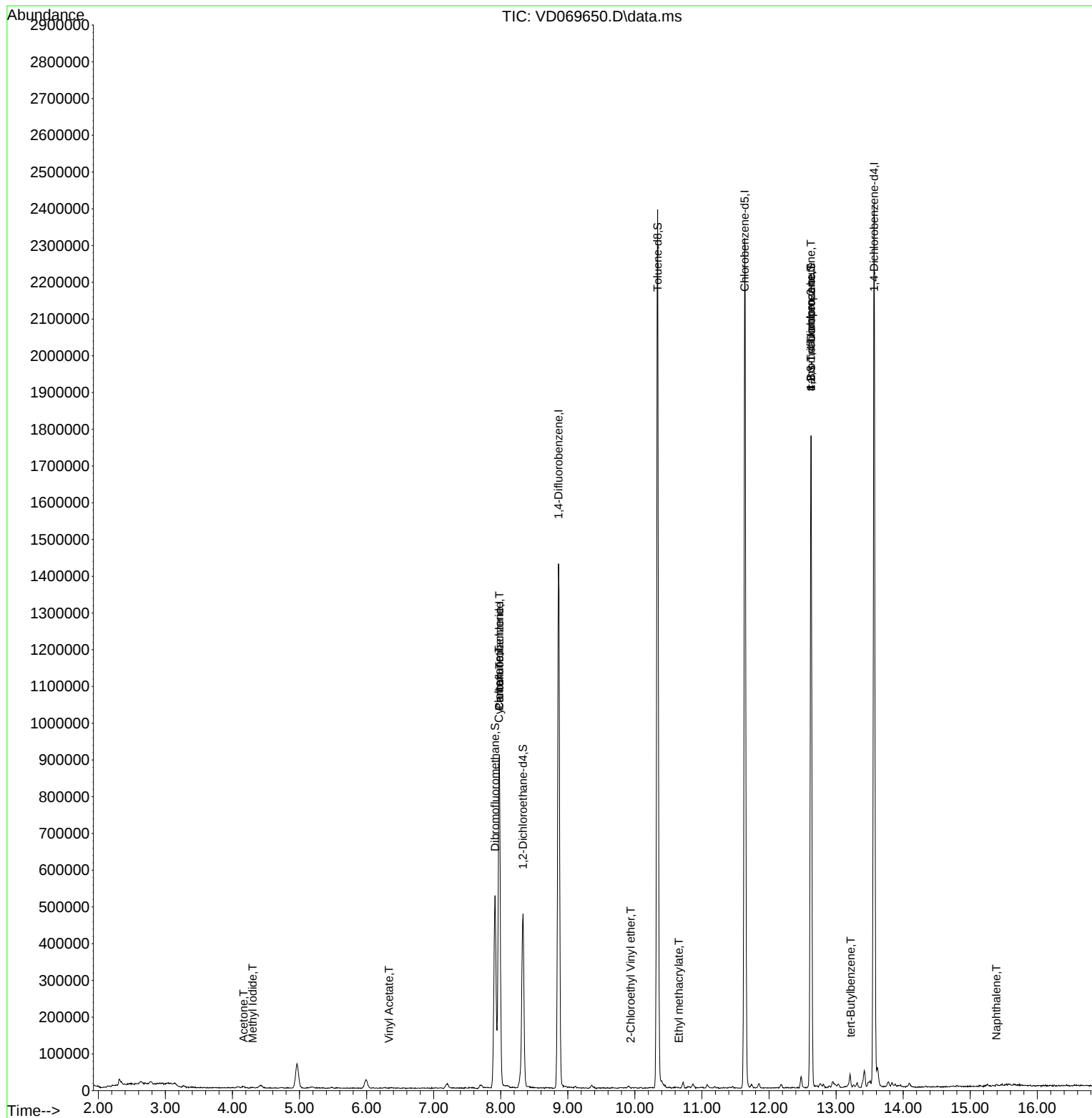
Internal Standards						
1) Pentafluorobenzene	7.979	168	617827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1198254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1304115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	612164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	374634	48.647	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.300%		
35) Dibromofluoromethane	7.914	113	379262	46.823	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.640%		
50) Toluene-d8	10.338	98	1582486	52.086	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.180%		
62) 4-Bromofluorobenzene	12.626	95	617291	61.801	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	123.600%		
Target Compounds			Qvalue			
5) Bromomethane	2.785	94	4922	Below Cal		98
10) Methyl Iodide	4.303	142	3812	4.483 ug/l #		66
11) Tert butyl alcohol	5.197	59	1513	Below Cal #		83
16) Acetone	4.168	43	8196	6.323 ug/l #		86
18) Methyl Acetate	4.715	43	205	Below Cal #		49
23) Vinyl Acetate	6.332	43	366	19.041 ug/l #		70
31) Cyclohexane	7.973	56	17329	1.671 ug/l #		1
38) Carbon Tetrachloride	7.979	117	66055	5.675 ug/l #		19
56) Ethyl methacrylate	10.655	69	869	2.690 ug/l #		72
58) 2-Chloroethyl Vinyl ether	9.938	63	69	10.617 ug/l #		47
76) 1,2,3-Trichloropropane	12.626	75	309566	51.516 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	309566	128.627 ug/l #		13
83) tert-Butylbenzene	13.220	119	3464	2.097 ug/l		93
95) Naphthalene	15.390	128	2311	3.467 ug/l #		78

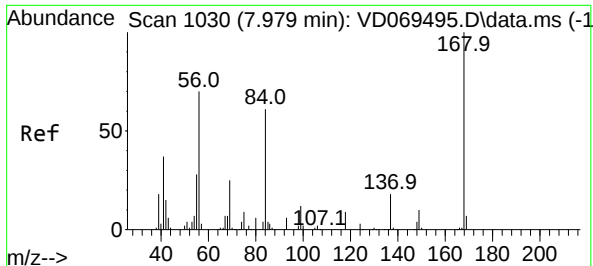
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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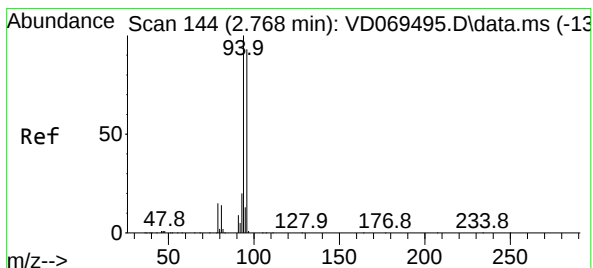
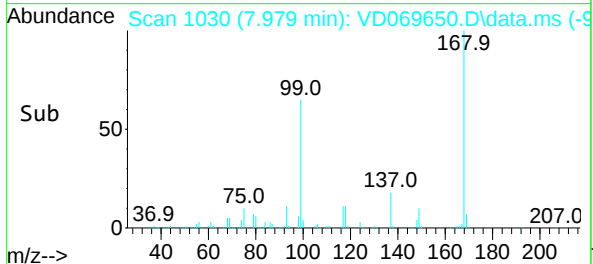
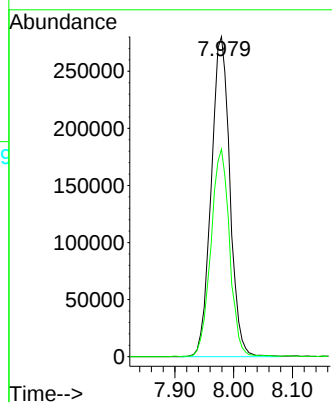
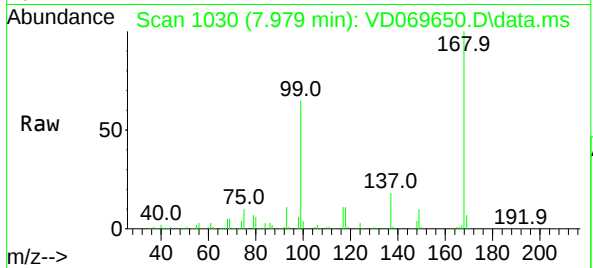




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069650.D
Acq: 09 Jul 2021 17:00

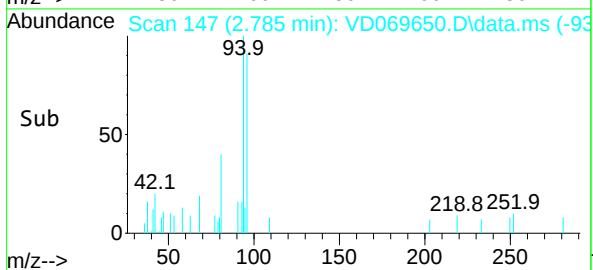
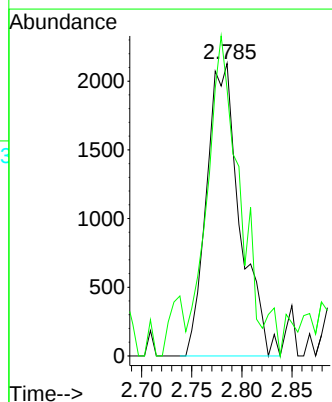
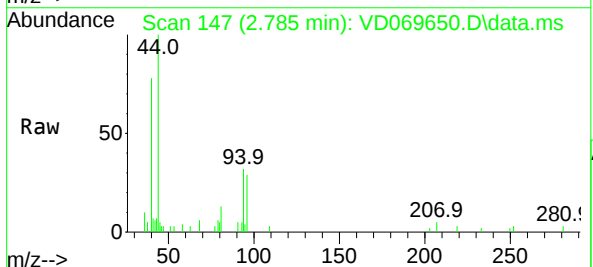
Instrument :
MSVOA_D
ClientSampleId :
TP-G

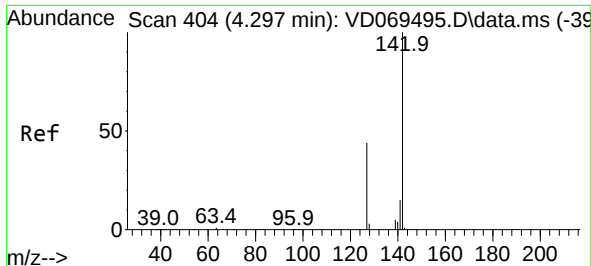
Tgt Ion:168 Resp: 617827
Ion Ratio Lower Upper
168 100
99 64.8 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD069650.D
Acq: 09 Jul 2021 17:00

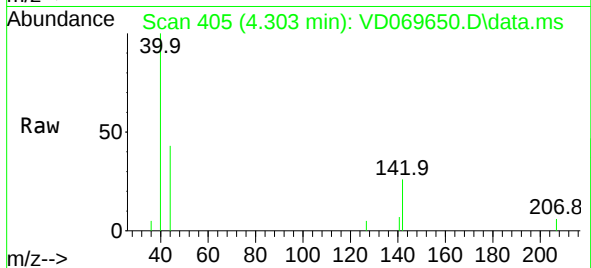
Tgt Ion: 94 Resp: 4922
Ion Ratio Lower Upper
94 100
96 91.2 74.6 111.8



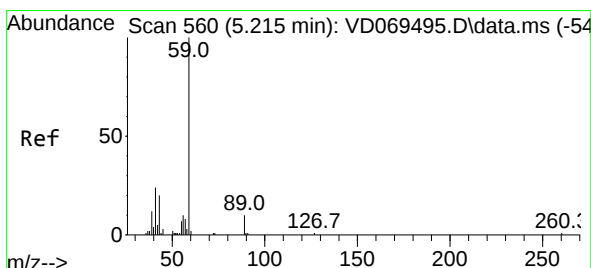
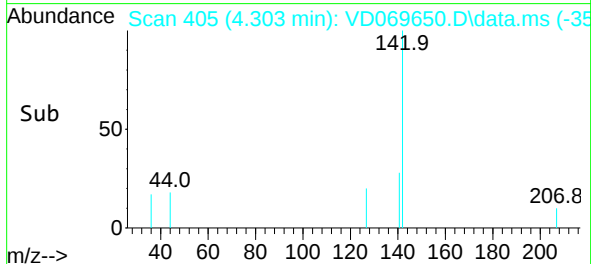
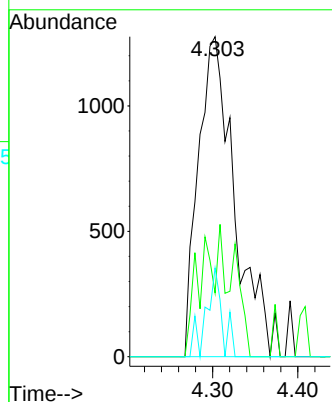


#10
Methyl Iodide
Concen: 4.483 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069650.D
Acq: 09 Jul 2021 17:00

Instrument :
MSVOA_D
ClientSampleId :
TP-G

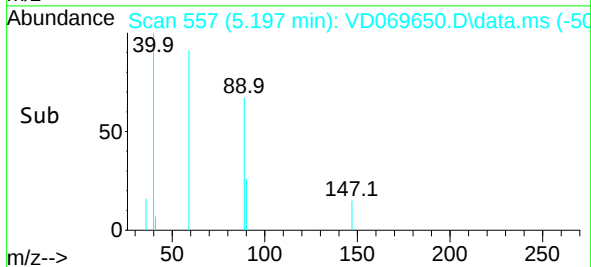
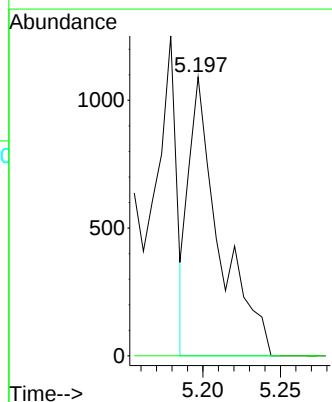
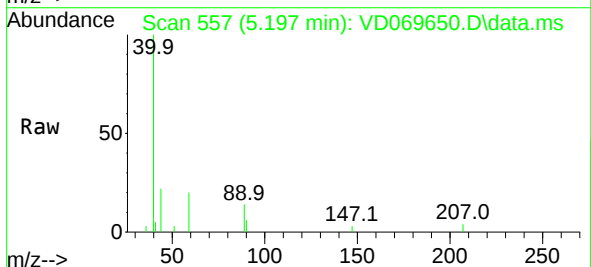


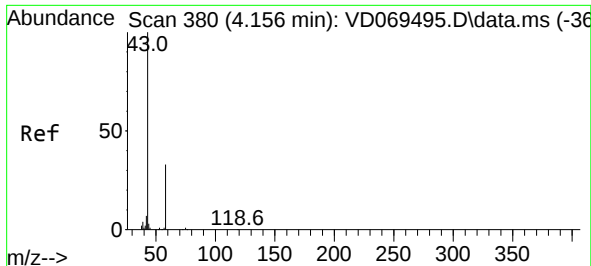
Tgt Ion:142 Resp: 3812
Ion Ratio Lower Upper
142 100
127 17.5 36.5 54.7#
141 12.1 12.0 18.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.197 min Scan# 557
Delta R.T. -0.018 min
Lab File: VD069650.D
Acq: 09 Jul 2021 17:00

Tgt Ion: 59 Resp: 1513
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

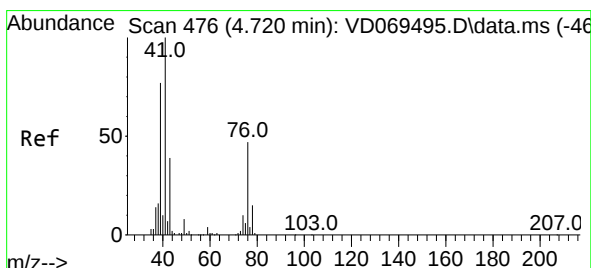
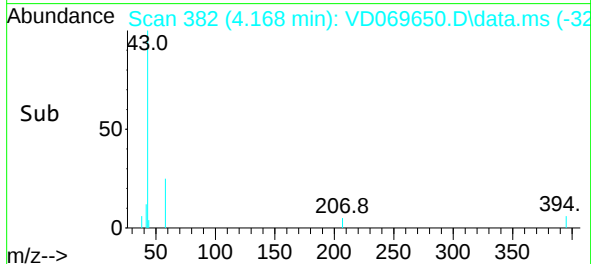
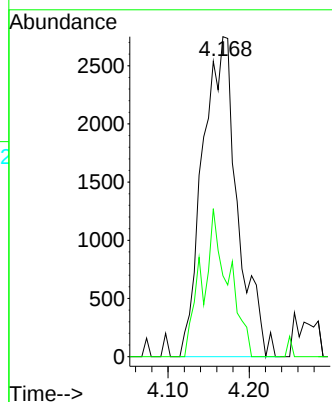
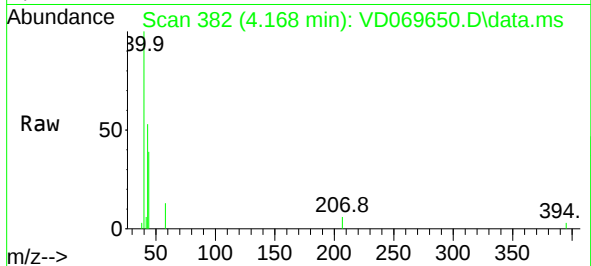




#16
Acetone
Concen: 6.323 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069650.D
Acq: 09 Jul 2021 17:00

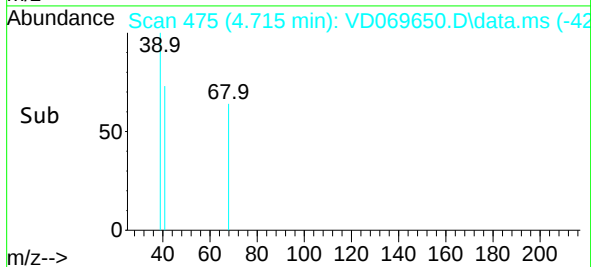
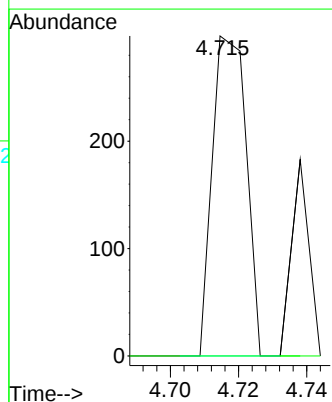
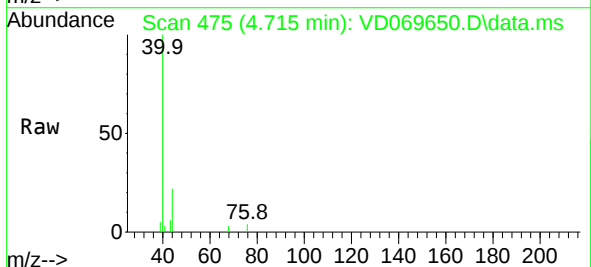
Instrument :
MSVOA_D
ClientSampled :
TP-G

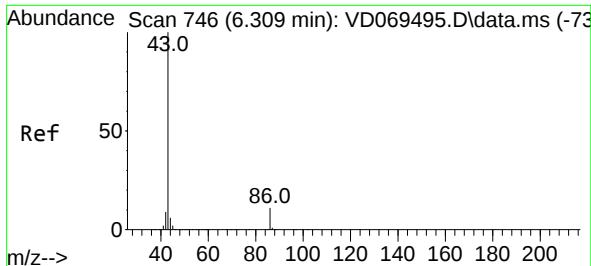
Tgt Ion: 43 Resp: 8196
Ion Ratio Lower Upper
43 100
58 25.3 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.715 min Scan# 475
Delta R.T. -0.005 min
Lab File: VD069650.D
Acq: 09 Jul 2021 17:00

Tgt Ion: 43 Resp: 205
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

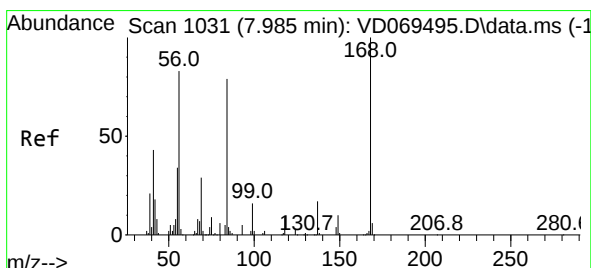
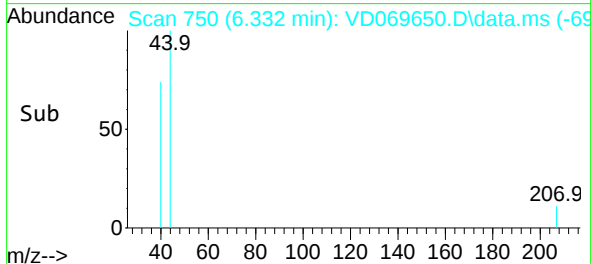
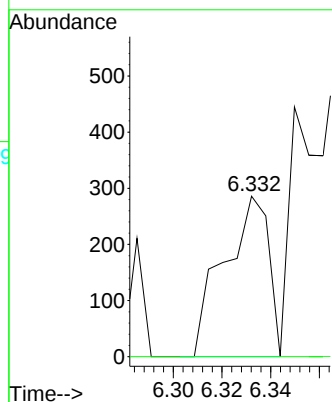
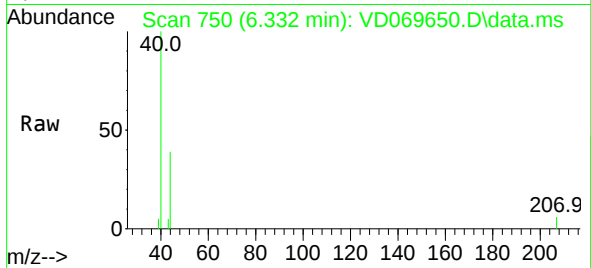




#23
 Vinyl Acetate
 Concen: 19.041 ug/l
 RT: 6.332 min Scan# 750
 Delta R.T. 0.023 min
 Lab File: VD069650.D
 Acq: 09 Jul 2021 17:00

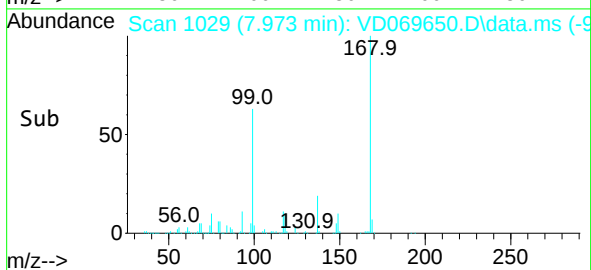
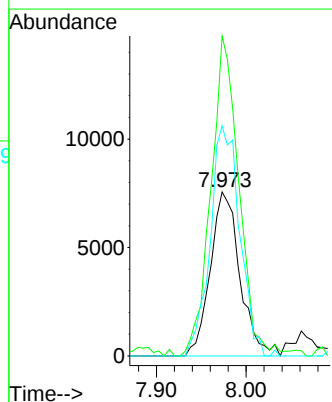
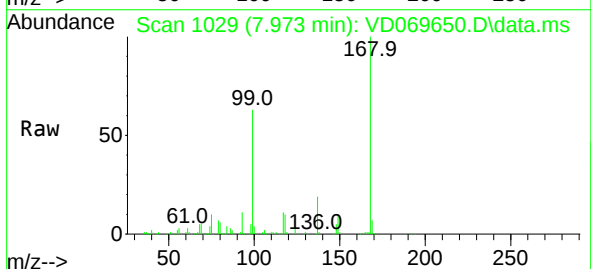
Instrument :
 MSVOA_D
 ClientSampled :
 TP-G

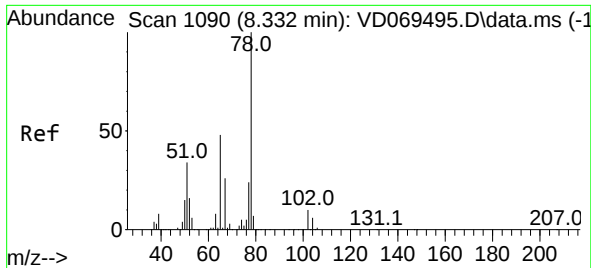
Tgt Ion: 43 Resp: 366
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#31
 Cyclohexane
 Concen: 1.671 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD069650.D
 Acq: 09 Jul 2021 17:00

Tgt Ion: 56 Resp: 17329
 Ion Ratio Lower Upper
 56 100
 69 195.2 28.0 42.0#
 84 140.4 75.7 113.5#

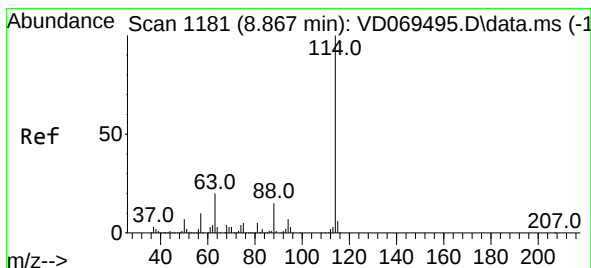
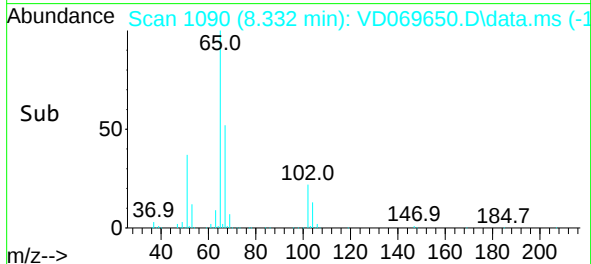
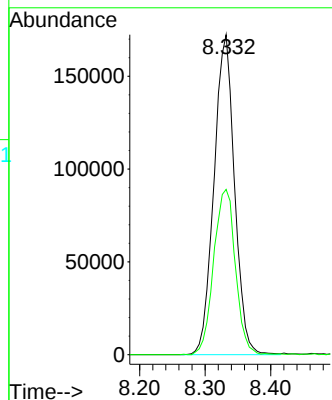
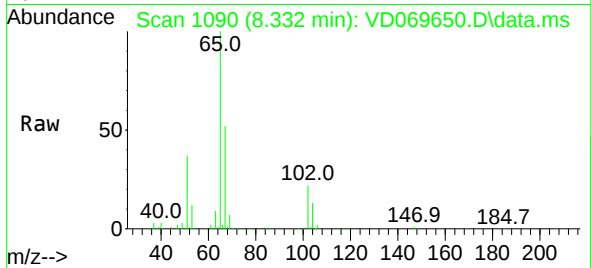




#33
 1,2-Dichloroethane-d4
 Concen: 48.647 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. -0.000 min
 Lab File: VD069650.D
 Acq: 09 Jul 2021 17:00

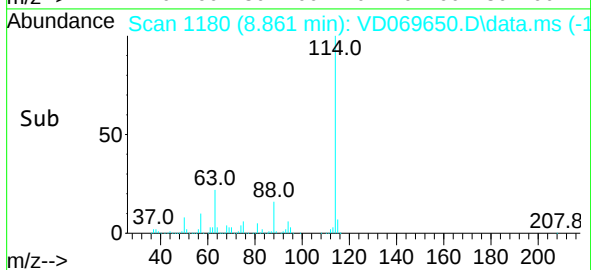
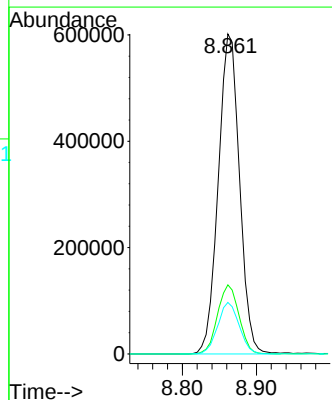
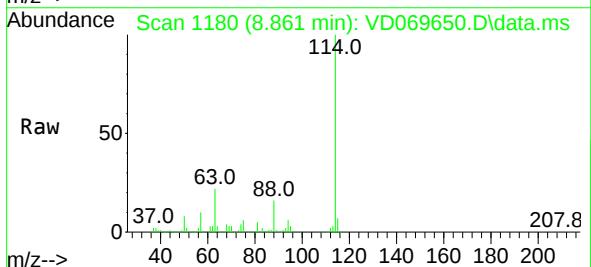
Instrument :
 MSVOA_D
 ClientSampled :
 TP-G

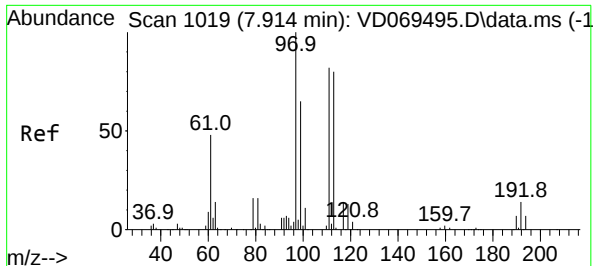
Tgt Ion: 65 Resp: 374634
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. -0.006 min
 Lab File: VD069650.D
 Acq: 09 Jul 2021 17:00

Tgt Ion: 114 Resp: 1198254
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 39.6
 88 16.1 0.0 29.8

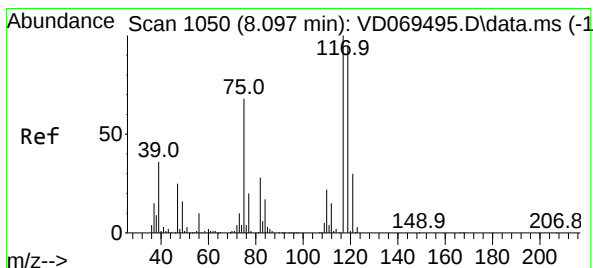
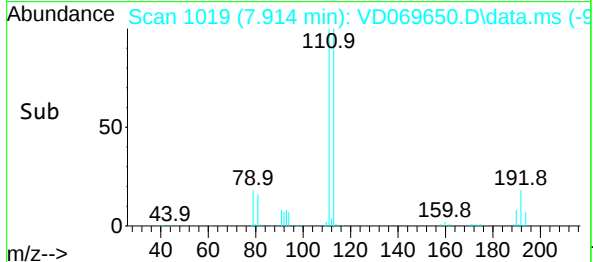
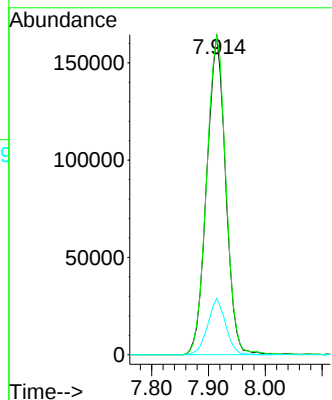
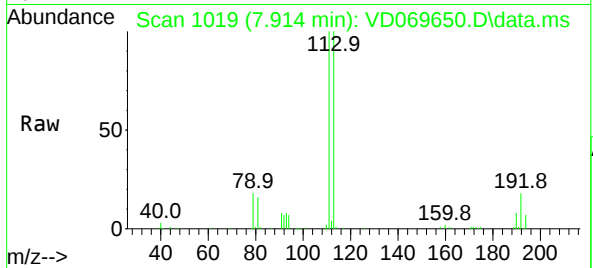




#35
Dibromofluoromethane
Concen: 46.823 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069650.D
Acq: 09 Jul 2021 17:00

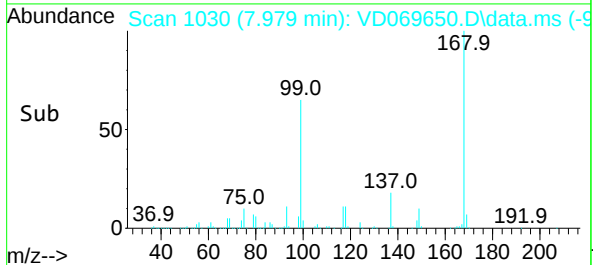
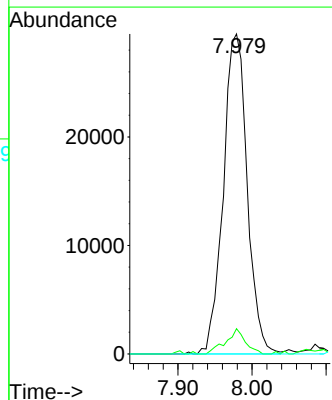
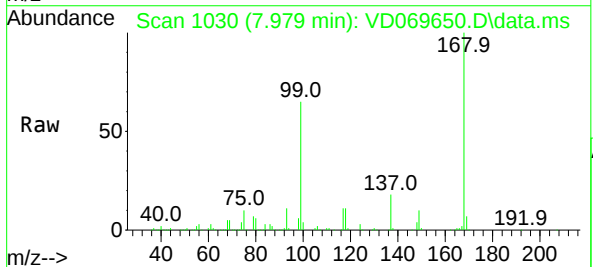
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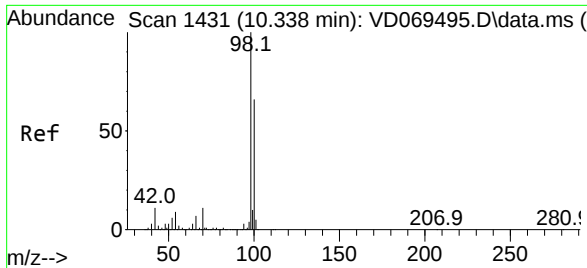
Tgt Ion:113 Resp: 379262
Ion Ratio Lower Upper
113 100
111 101.9 81.8 122.8
192 16.6 13.8 20.6



#38
Carbon Tetrachloride
Concen: 5.675 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069650.D
Acq: 09 Jul 2021 17:00

Tgt Ion:117 Resp: 66055
Ion Ratio Lower Upper
117 100
119 7.9 75.6 113.4#
121 0.0 23.8 35.8#

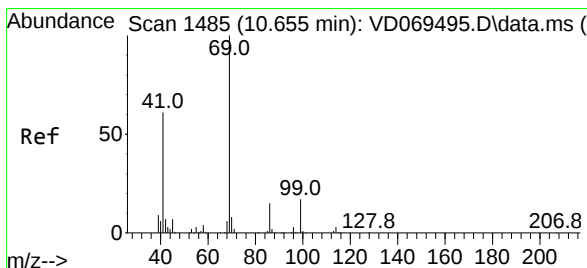
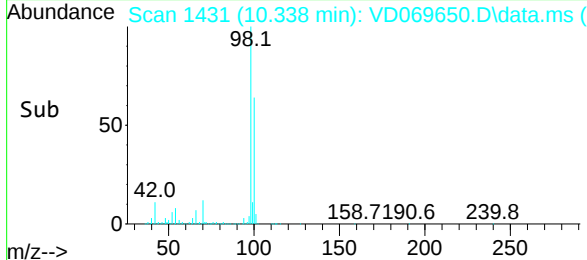
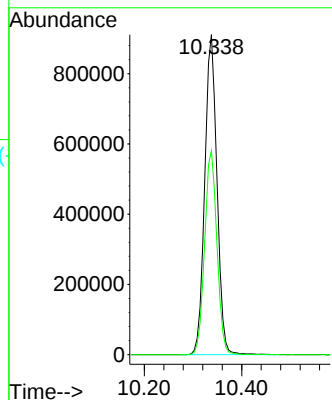
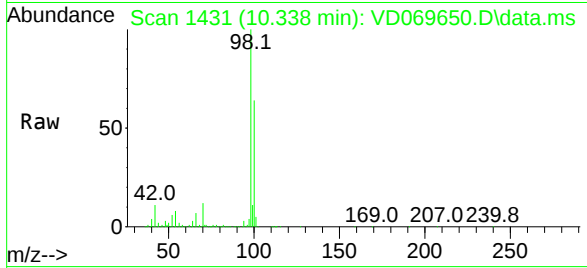




#50
Toluene-d8
Concen: 52.086 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069650.D
Acq: 09 Jul 2021 17:00

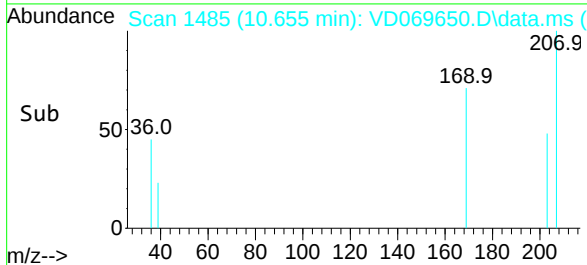
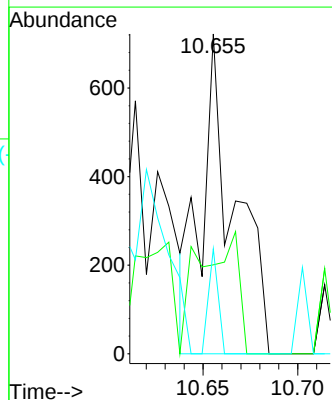
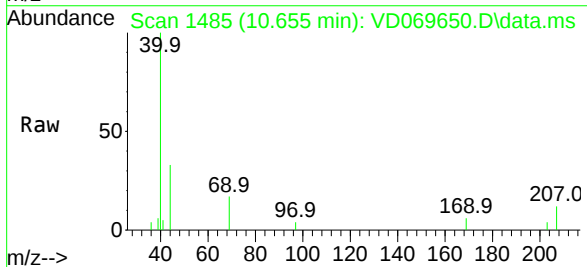
Instrument :
MSVOA_D
ClientSampleId :
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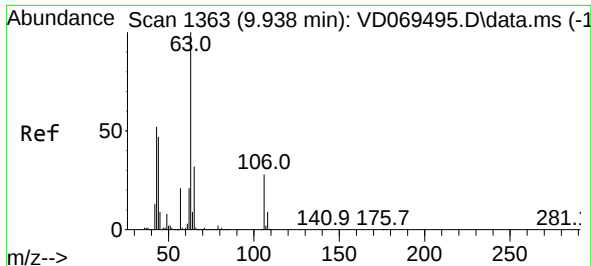
Tgt Ion: 98 Resp: 1582486
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.690 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD069650.D
Acq: 09 Jul 2021 17:00

Tgt Ion: 69 Resp: 869
Ion Ratio Lower Upper
69 100
41 45.6 49.4 74.0#
39 9.7 26.9 40.3#

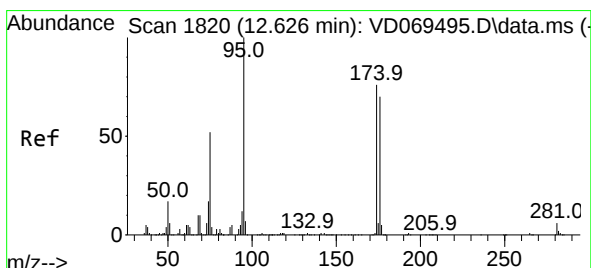
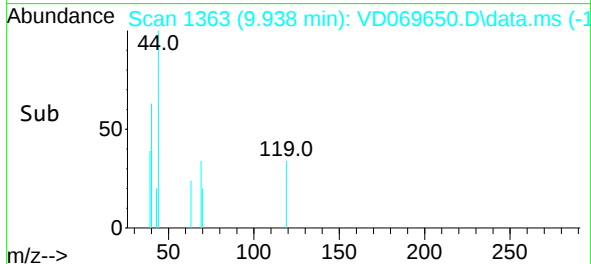
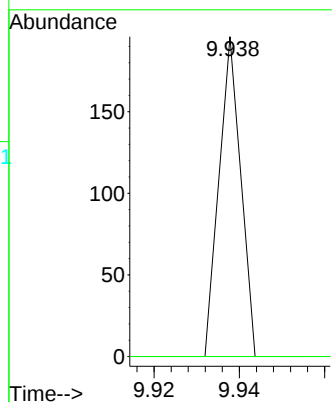
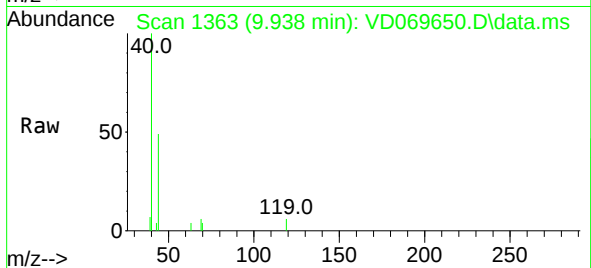




#58
2-Chloroethyl Vinyl ether
Concen: 10.617 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069650.D
Acq: 09 Jul 2021 17:00

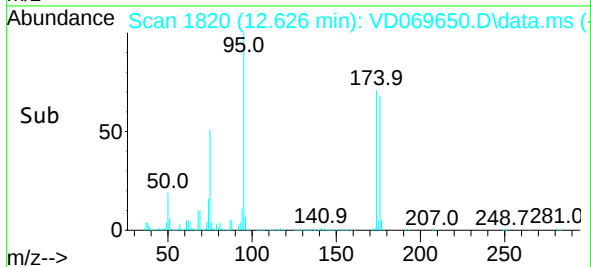
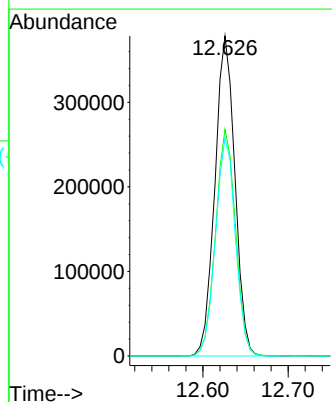
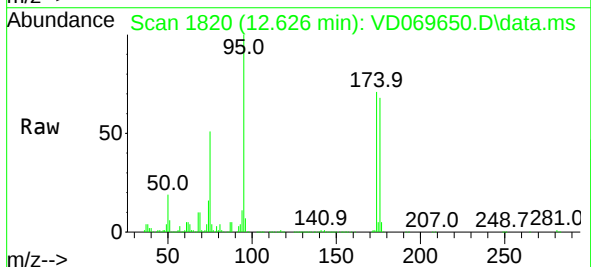
Instrument :
MSVOA_D
ClientSampled :
TP-G

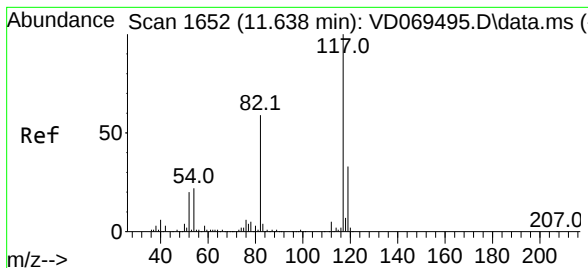
Tgt Ion: 63 Resp: 69
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#62
4-Bromofluorobenzene
Concen: 61.801 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069650.D
Acq: 09 Jul 2021 17:00

Tgt Ion: 95 Resp: 617291
Ion Ratio Lower Upper
95 100
174 70.9 0.0 148.0
176 67.7 0.0 139.8

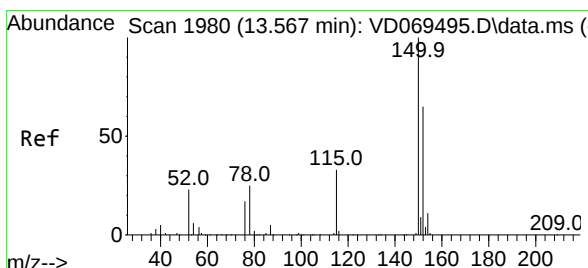
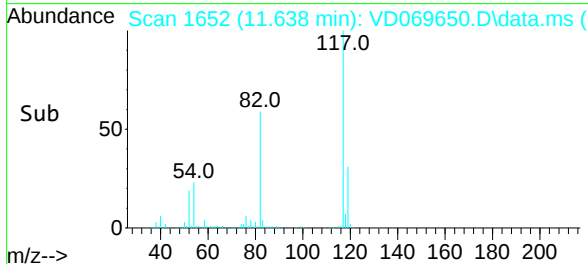
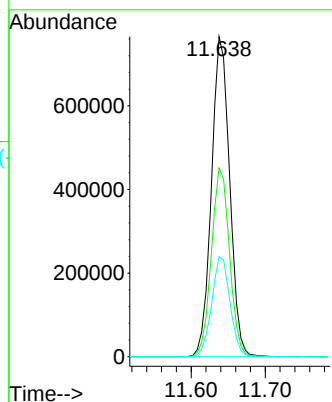
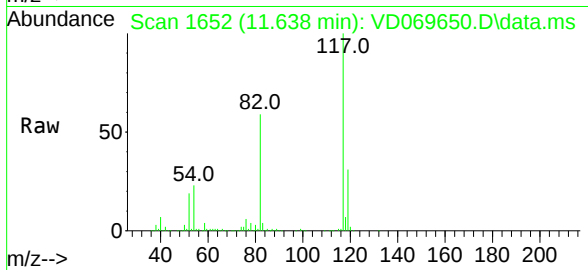




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069650.D
Acq: 09 Jul 2021 17:00

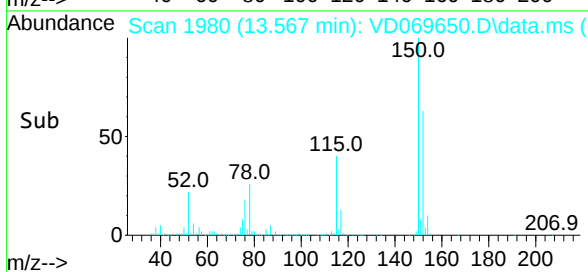
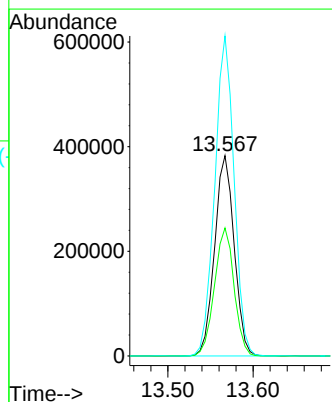
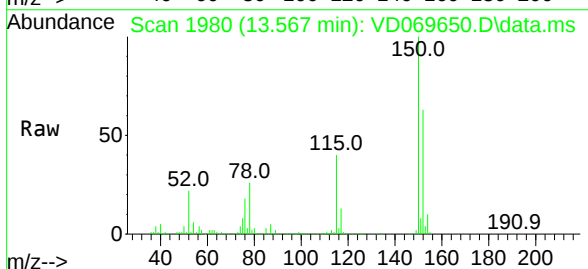
Instrument :
MSVOA_D
ClientSampled :
TP-G

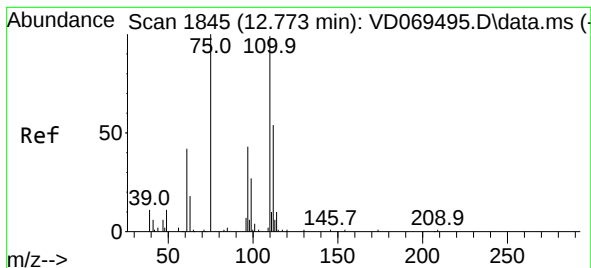
Tgt Ion:117 Resp: 1304115
Ion Ratio Lower Upper
117 100
82 59.0 46.8 70.2
119 31.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069650.D
Acq: 09 Jul 2021 17:00

Tgt Ion:152 Resp: 612164
Ion Ratio Lower Upper
152 100
115 63.8 31.7 95.1
150 157.7 0.0 350.8





#76

1,2,3-Trichloropropane

Concen: 51.516 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.147 min

Lab File: VD069650.D

Acq: 09 Jul 2021 17:00

Tgt Ion: 75 Resp: 309566

Ion Ratio Lower Upper

75 100

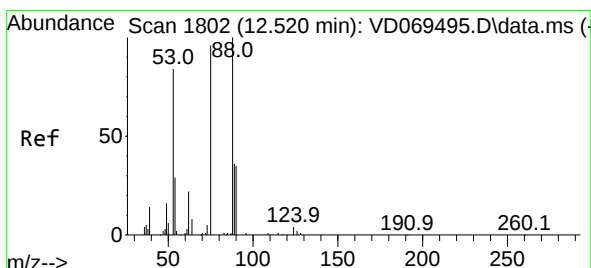
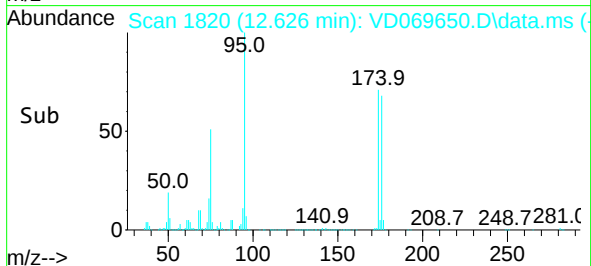
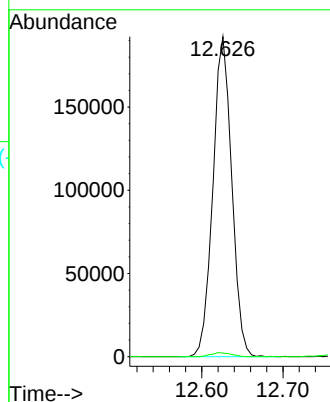
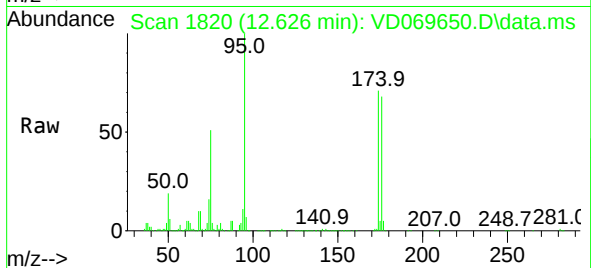
77 1.3 162.6 487.8#

Instrument :

MSVOA_D

ClientSampleId :

TP-G



#81

trans-1,4-Dichloro-2-butene

Concen: 128.627 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.106 min

Lab File: VD069650.D

Acq: 09 Jul 2021 17:00

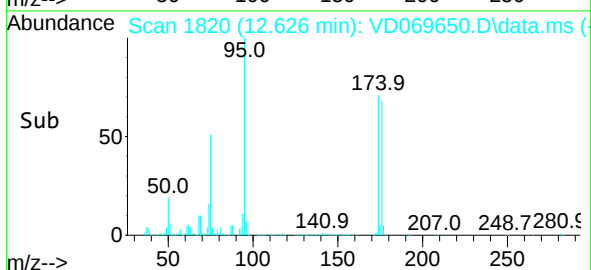
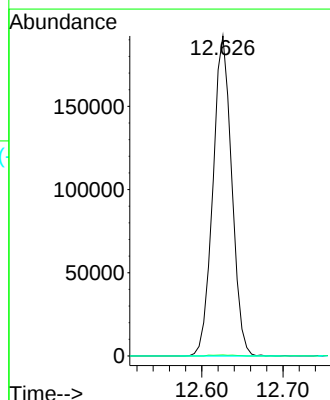
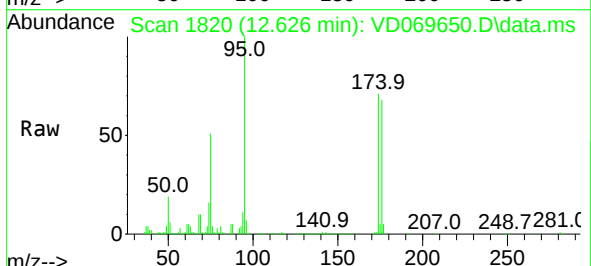
Tgt Ion: 75 Resp: 309566

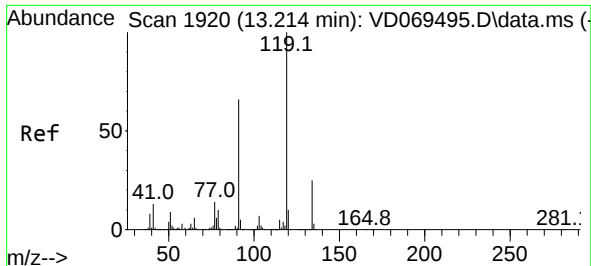
Ion Ratio Lower Upper

75 100

53 0.4 74.6 112.0#

89 0.0 35.3 52.9#

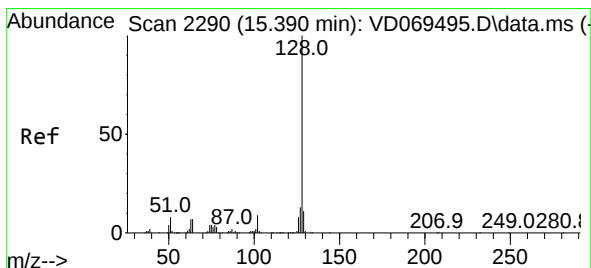
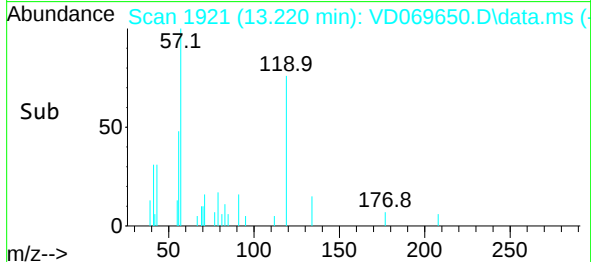
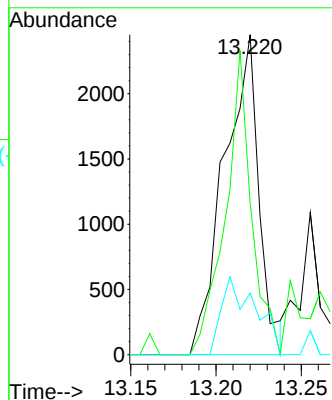
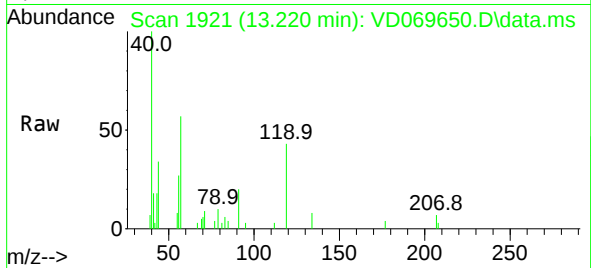




#83
tert-Butylbenzene
Concen: 2.097 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. 0.006 min
Lab File: VD069650.D
Acq: 09 Jul 2021 17:00

Instrument :
MSVOA_D
ClientSampleId :
TP-G

Tgt Ion:119 Resp: 3464
Ion Ratio Lower Upper
119 100
91 71.3 32.5 97.4
134 23.7 12.9 38.7



#95
Naphthalene
Concen: 3.467 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069650.D
Acq: 09 Jul 2021 17:00

Tgt Ion:128 Resp: 2311
Ion Ratio Lower Upper
128 100
127 6.6 10.6 16.0#
129 0.0 8.7 13.1#

