

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100721\
 Data File : VD070620.D
 Acq On : 07 Oct 2021 16:44
 Operator : VA/SY
 Sample : M4113-09
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-5

Quant Time: Oct 08 04:53:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

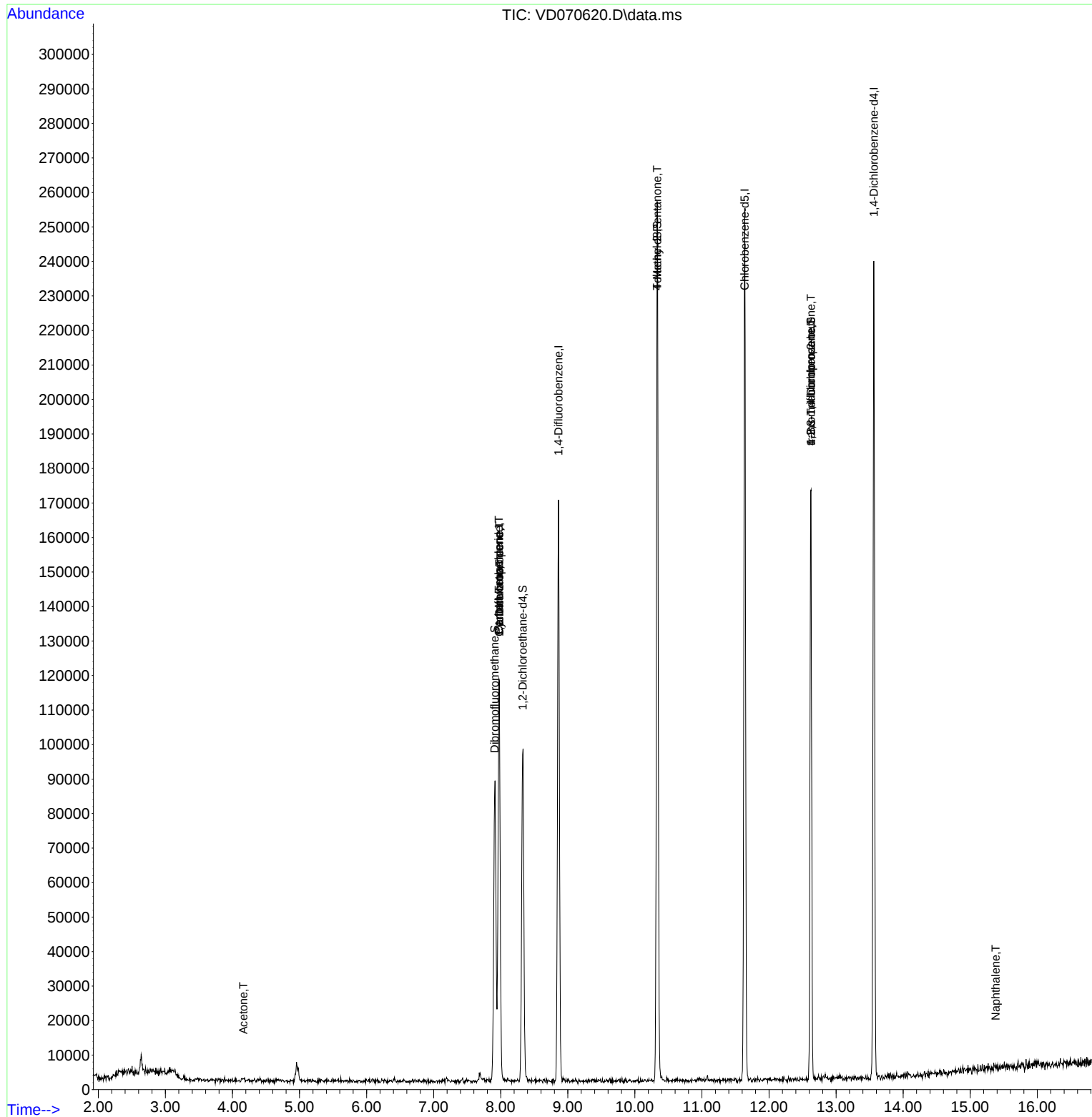
Internal Standards						
1) Pentafluorobenzene	7.973	168	82233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	144184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	155920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	65013	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	79739	82.39	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 164.78%#			
35) Dibromofluoromethane	7.909	113	65881	68.72	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 137.44%			
50) Toluene-d8	10.332	98	181333	49.48	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.96%			
62) 4-Bromofluorobenzene	12.626	95	61296	50.04	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.08%			
Target Compounds						
5) Bromomethane	2.779	94	649	Below Cal	#	64
16) Acetone	4.162	43	421	2.56	ug/l #	40
20) Methylene Chloride	4.956	84	4238	Below Cal	#	75
31) Cyclohexane	7.979	56	1960	1.09	ug/l #	40
36) 1,1-Dichloropropene	7.979	75	6806	4.44	ug/l #	47
38) Carbon Tetrachloride	7.973	117	8048	5.02	ug/l #	20
51) 4-Methyl-2-Pentanone	10.332	43	558	1.16	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	30051	51.07	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	30051	113.38	ug/l #	17
95) Naphthalene	15.379	128	130	2.55	ug/l #	69

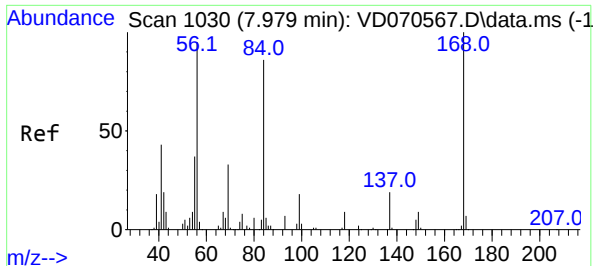
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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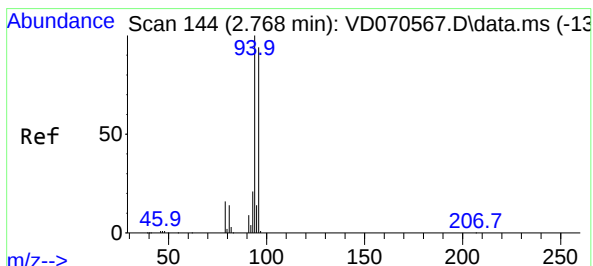
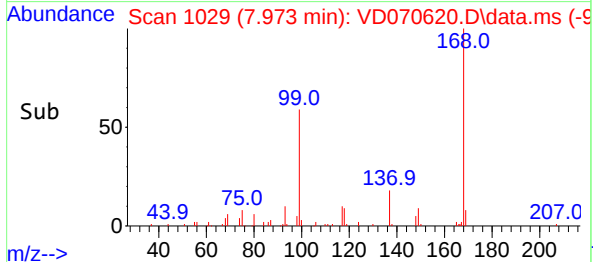
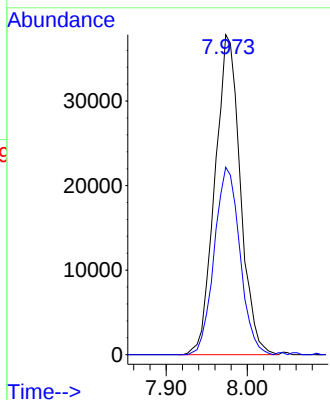
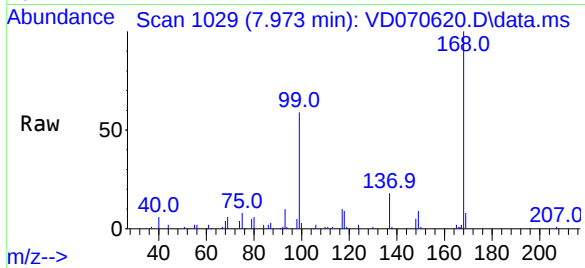




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070620.D
Acq: 07 Oct 2021 16:44

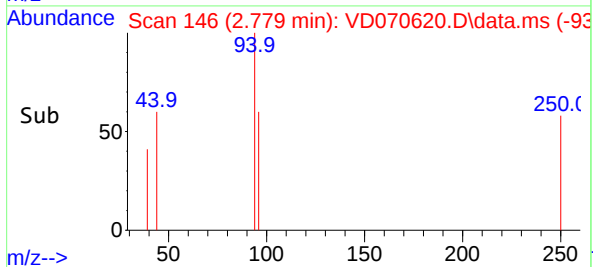
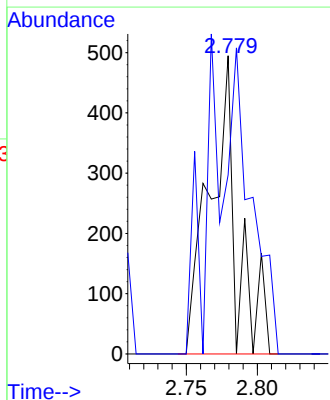
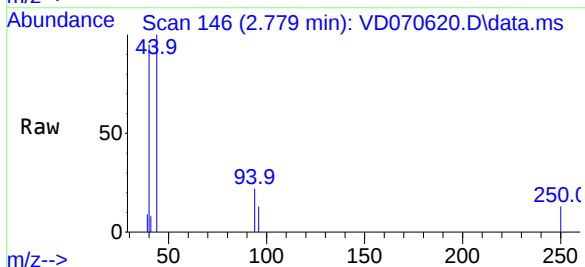
Instrument :
MSVOA_D
ClientSampleId :
TP-5

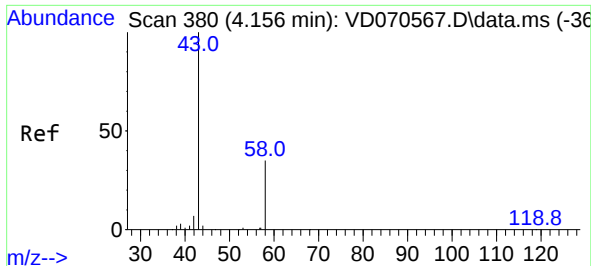
Tgt Ion:168 Resp: 82233
Ion Ratio Lower Upper
168 100
99 58.5 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD070620.D
Acq: 07 Oct 2021 16:44

Tgt Ion: 94 Resp: 649
Ion Ratio Lower Upper
94 100
96 60.0 75.5 113.3#

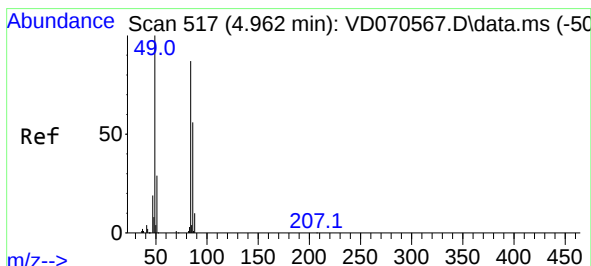
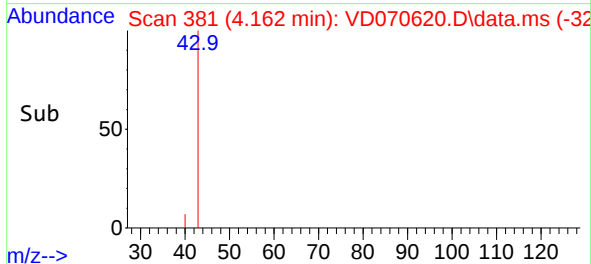
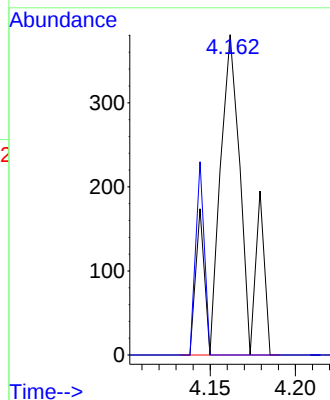
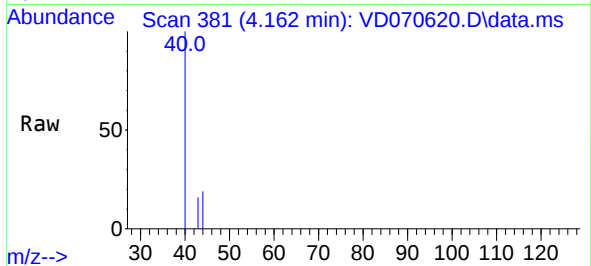




#16
Acetone
Concen: 2.56 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070620.D
Acq: 07 Oct 2021 16:44

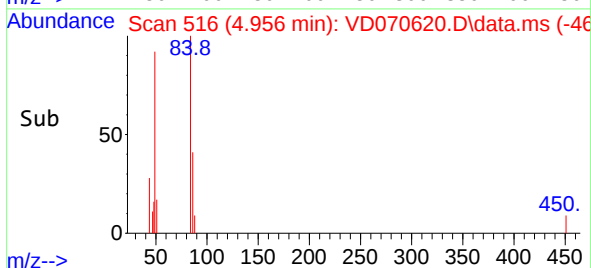
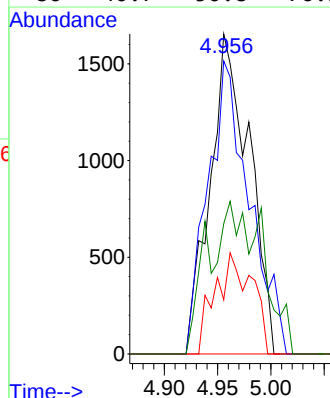
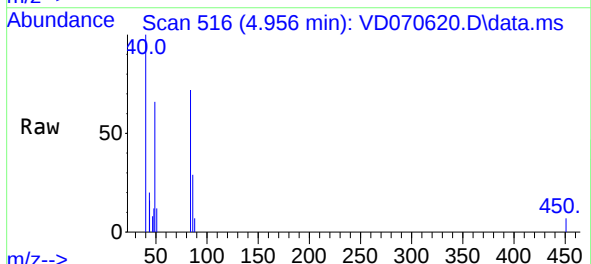
Instrument :
MSVOA_D
ClientSampleId :
TP-5

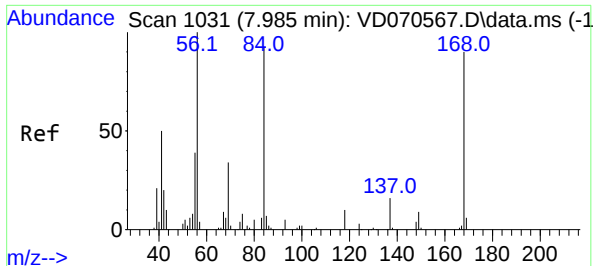
Tgt Ion: 43 Resp: 421
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070620.D
Acq: 07 Oct 2021 16:44

Tgt Ion: 84 Resp: 4238
Ion Ratio Lower Upper
84 100
49 91.5 91.4 137.2
51 16.9 26.7 40.1#
86 40.7 50.8 76.2#





#31

Cyclohexane

Concen: 1.09 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD070620.D

Acq: 07 Oct 2021 16:44

Tgt Ion: 56 Resp: 1960

Ion Ratio Lower Upper

56 100

69 115.5 27.4 41.2#

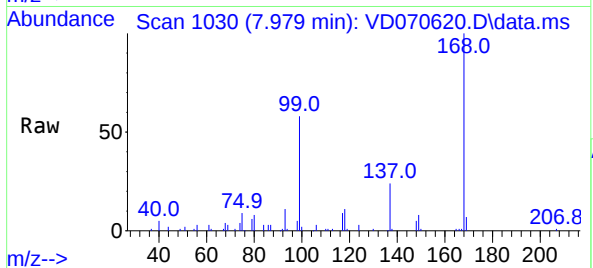
84 120.4 73.6 110.4#

Instrument :

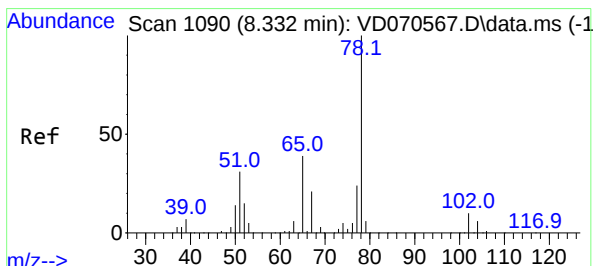
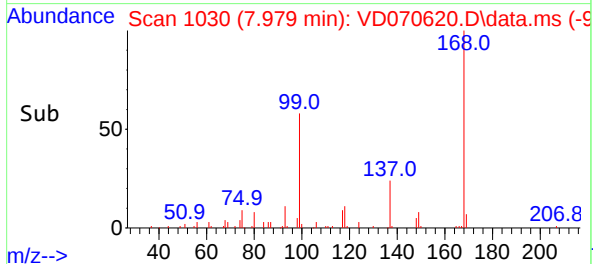
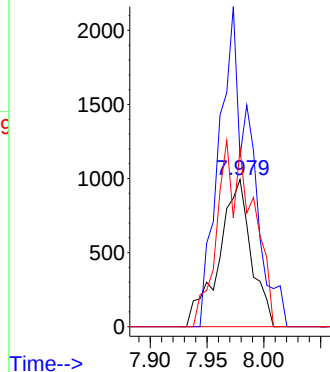
MSVOA_D

ClientSampled :

TP-5



Abundance



#33

1,2-Dichloroethane-d4

Concen: 82.39 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD070620.D

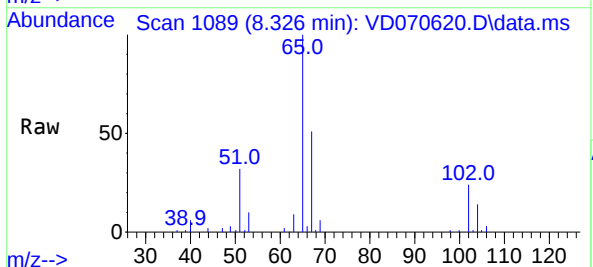
Acq: 07 Oct 2021 16:44

Tgt Ion: 65 Resp: 79739

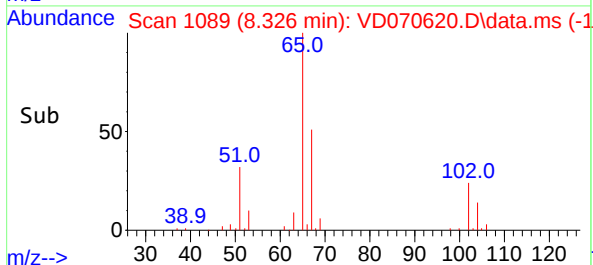
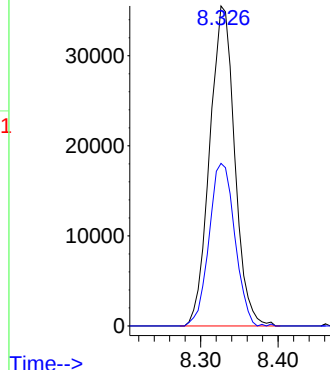
Ion Ratio Lower Upper

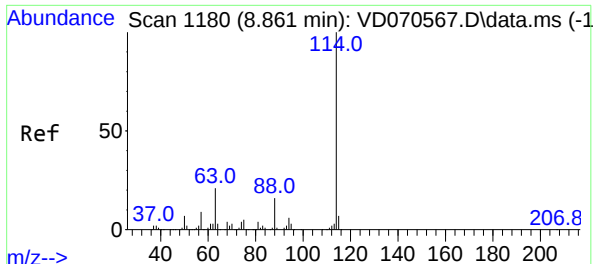
65 100

67 52.2 0.0 110.2



Abundance





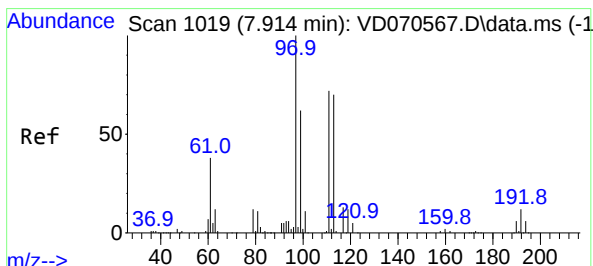
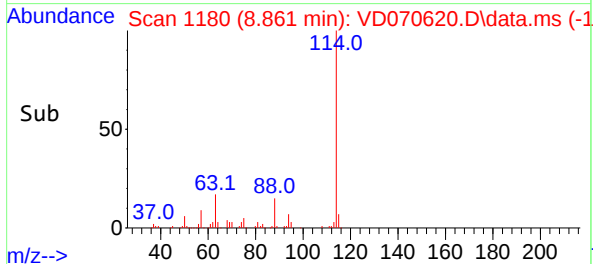
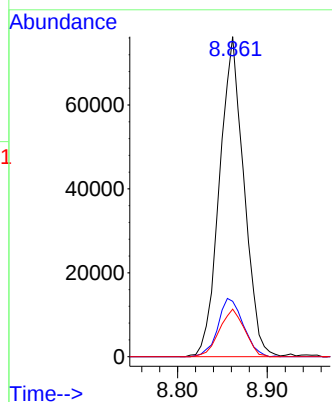
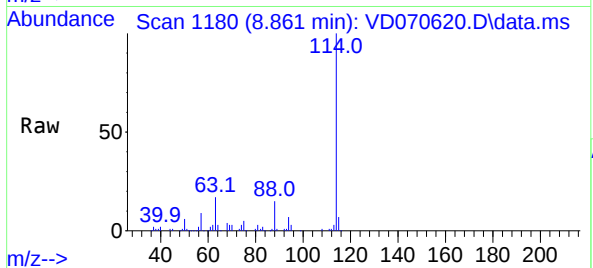
#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070620.D
Acq: 07 Oct 2021 16:44

Instrument :
MSVOA_D
ClientSampled :
TP-5

Tgt Ion:114 Resp: 144184

Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	41.8
88	14.9	0.0	32.6

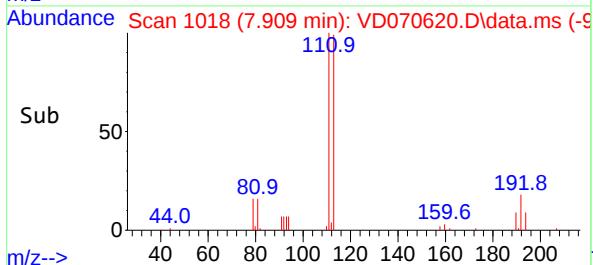
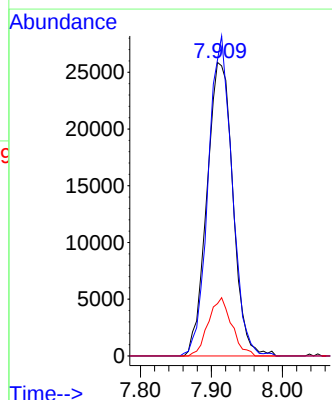
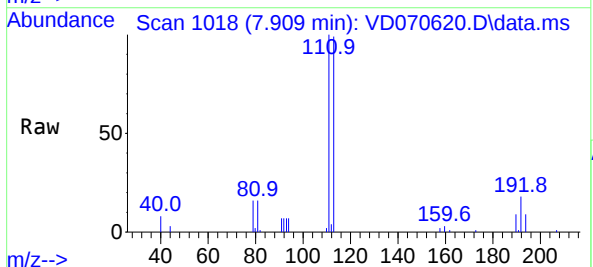


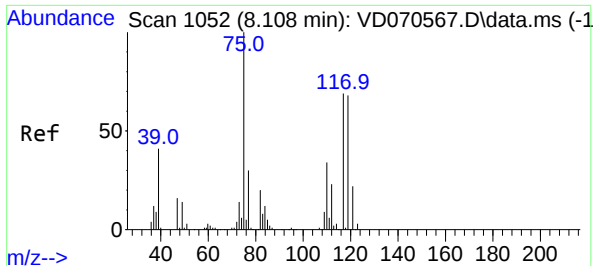
#35

Dibromofluoromethane
Concen: 68.72 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070620.D
Acq: 07 Oct 2021 16:44

Tgt Ion:113 Resp: 65881

Ion	Ratio	Lower	Upper
113	100		
111	100.0	83.1	124.7
192	17.8	12.7	19.1

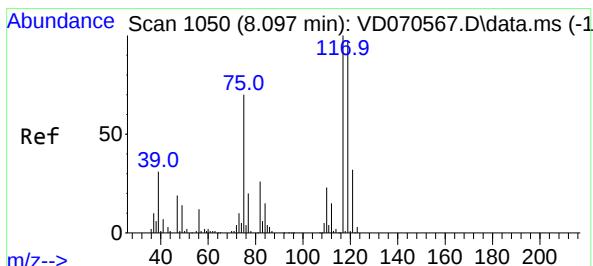
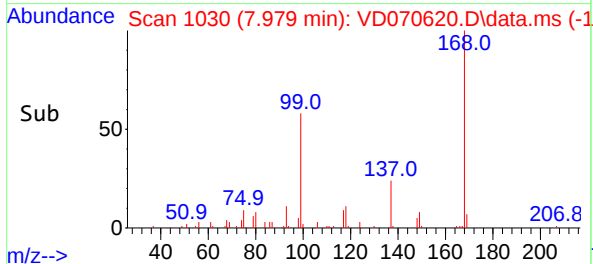
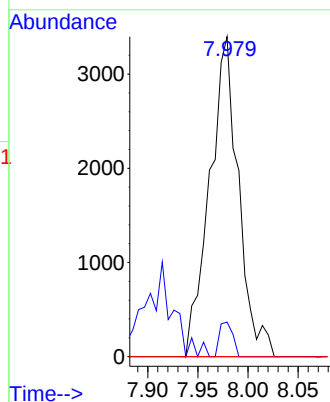
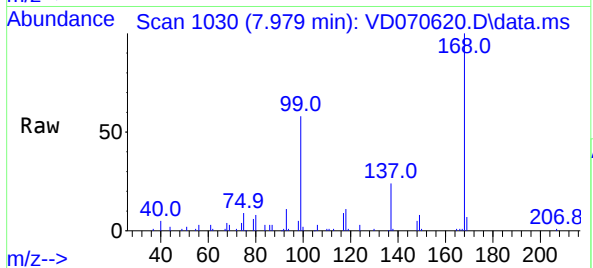




#36
1,1-Dichloropropene
Concen: 4.44 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070620.D
Acq: 07 Oct 2021 16:44

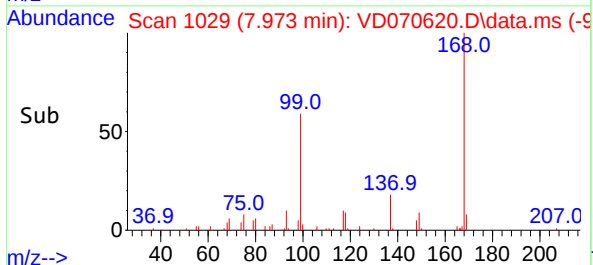
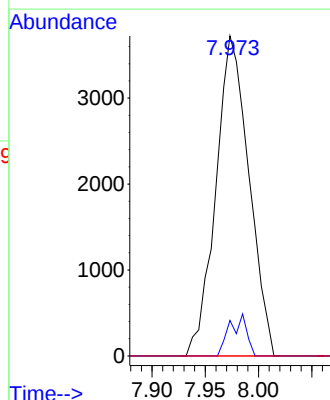
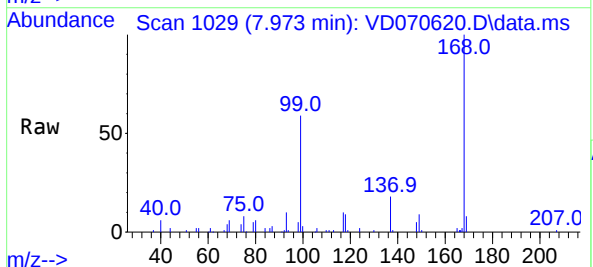
Instrument :
MSVOA_D
ClientSampled :
TP-5

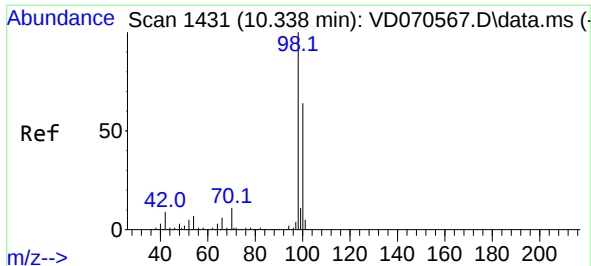
Tgt Ion: 75 Resp: 6806
Ion Ratio Lower Upper
75 100
110 4.9 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.02 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070620.D
Acq: 07 Oct 2021 16:44

Tgt Ion: 117 Resp: 8048
Ion Ratio Lower Upper
117 100
119 11.1 77.4 116.0#
121 0.0 25.4 38.0#

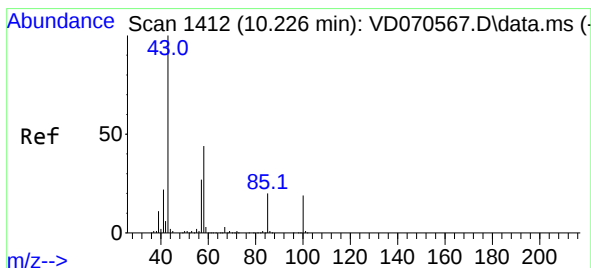
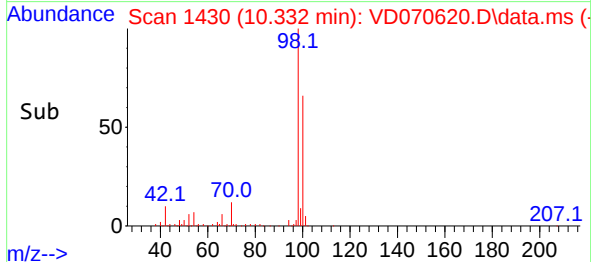
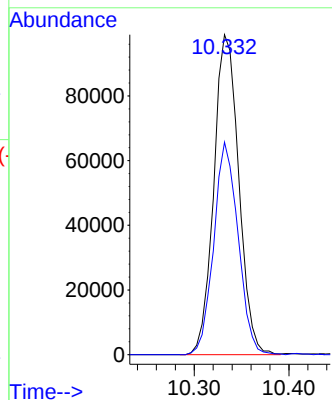
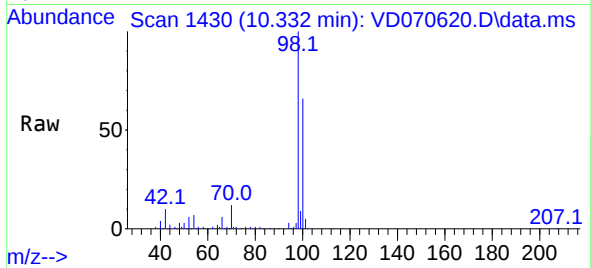




#50
Toluene-d8
Concen: 49.48 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070620.D
Acq: 07 Oct 2021 16:44

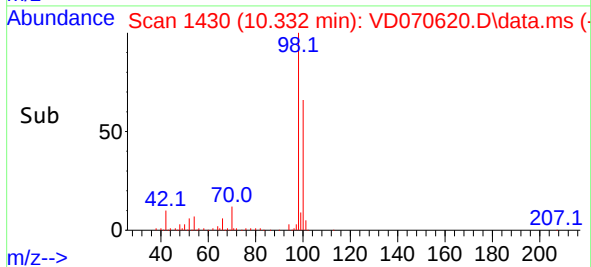
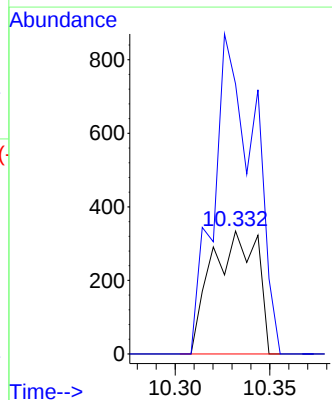
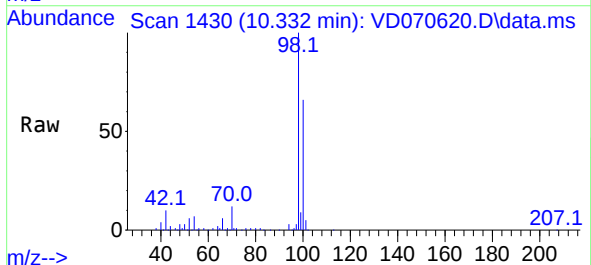
Instrument :
MSVOA_D
ClientSampleId :
TP-5

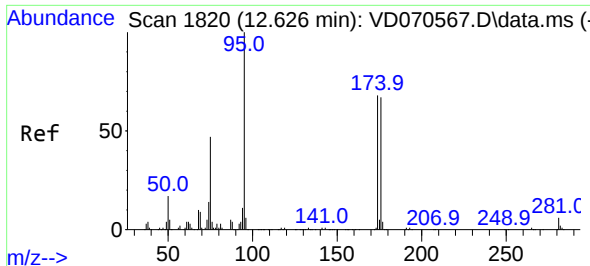
Tgt Ion: 98 Resp: 181333
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.16 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070620.D
Acq: 07 Oct 2021 16:44

Tgt Ion: 43 Resp: 558
Ion Ratio Lower Upper
43 100
58 231.7 35.0 52.6#

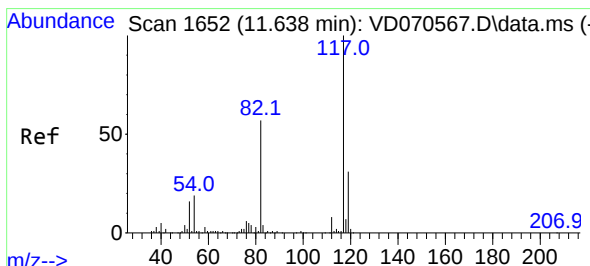
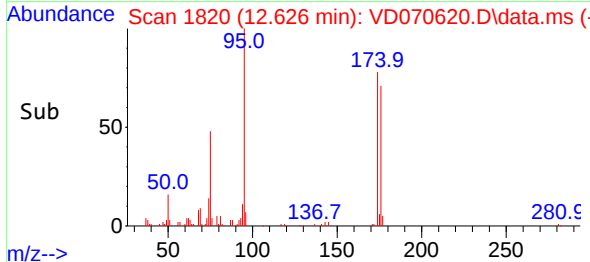
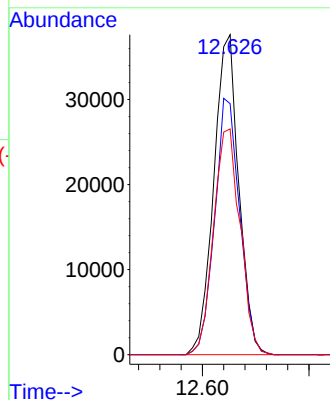
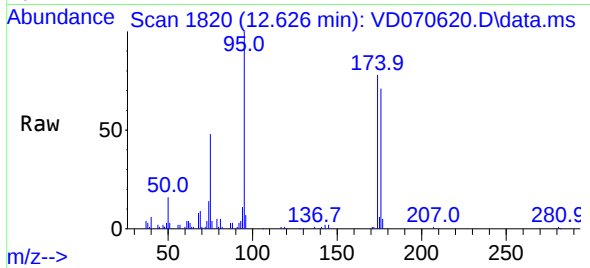




#62
4-Bromofluorobenzene
Concen: 50.04 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070620.D
Acq: 07 Oct 2021 16:44

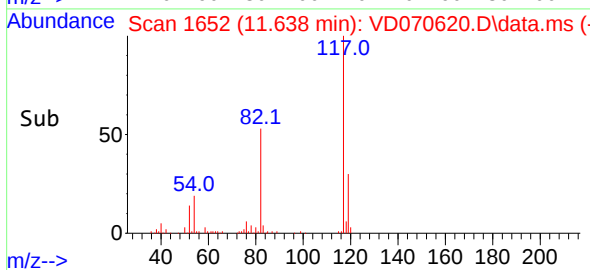
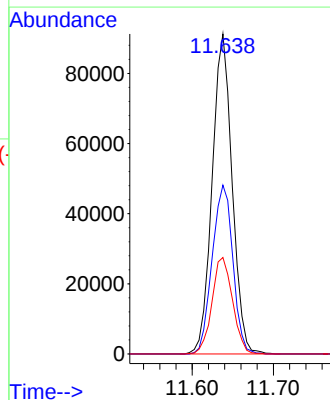
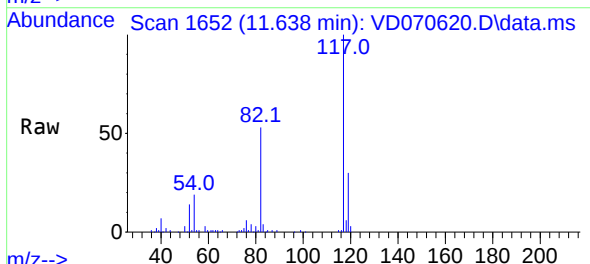
Instrument :
MSVOA_D
ClientSampled :
TP-5

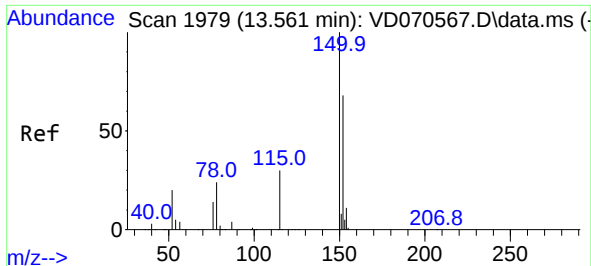
Tgt Ion:	95	Resp:	61296
Ion	Ratio	Lower	Upper
95	100		
174	80.2	0.0	138.0
176	74.9	0.0	135.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070620.D
Acq: 07 Oct 2021 16:44

Tgt Ion:	117	Resp:	155920
Ion	Ratio	Lower	Upper
117	100		
82	52.8	45.4	68.2
119	30.2	24.7	37.1

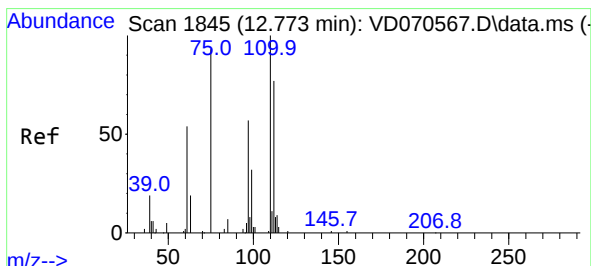
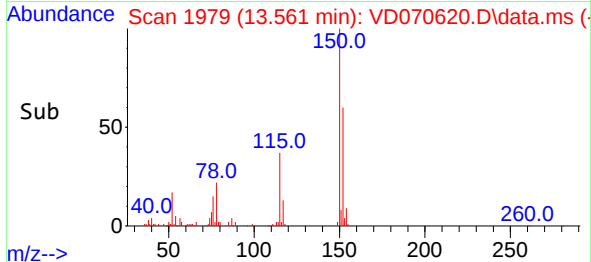
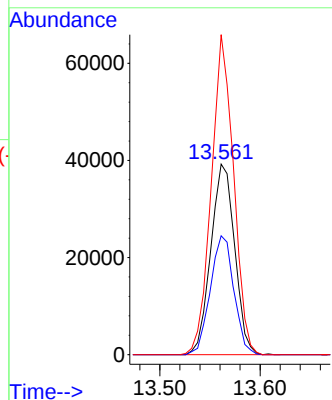
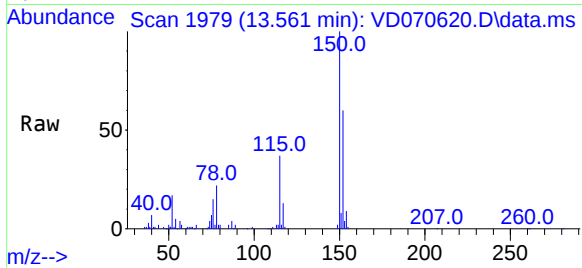




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070620.D
Acq: 07 Oct 2021 16:44

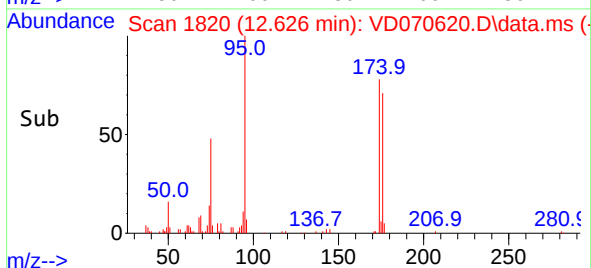
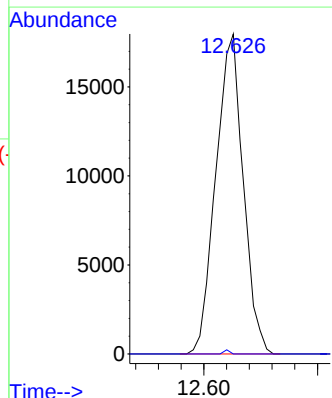
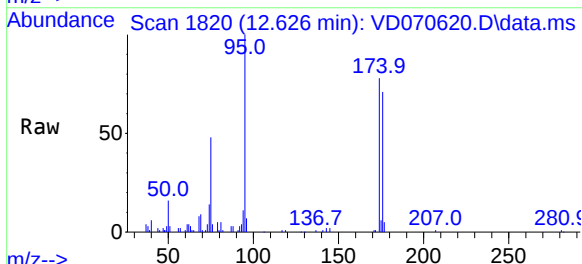
Instrument :
MSVOA_D
ClientSampled :
TP-5

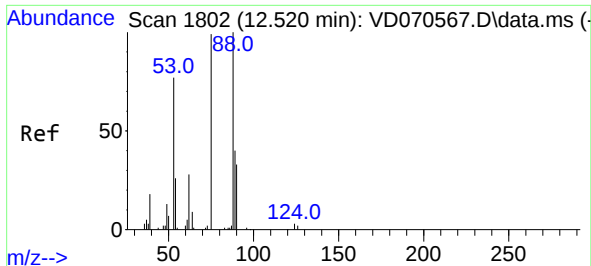
Tgt Ion:152 Resp: 65013
Ion Ratio Lower Upper
152 100
115 61.4 31.9 95.7
150 156.6 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 51.07 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070620.D
Acq: 07 Oct 2021 16:44

Tgt Ion: 75 Resp: 30051
Ion Ratio Lower Upper
75 100
77 0.3 0.0 0.0#

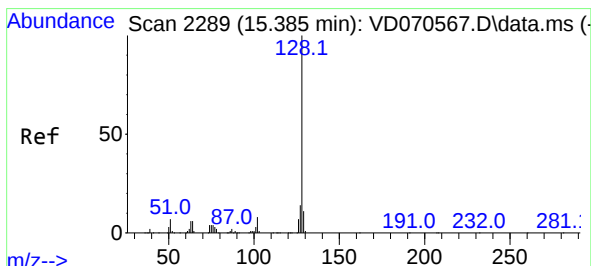
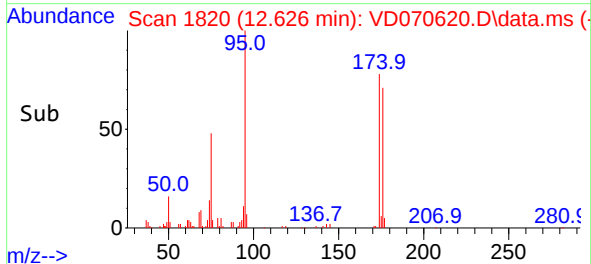
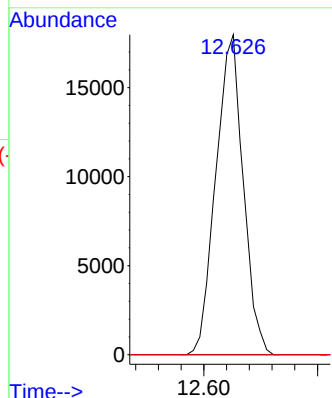
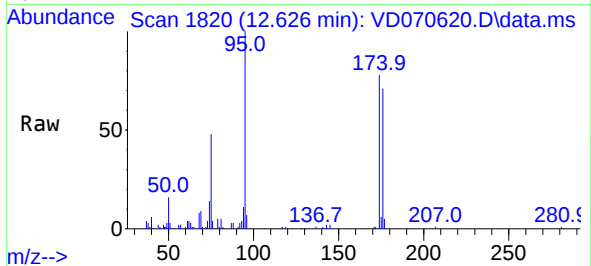




#81
trans-1,4-Dichloro-2-butene
Concen: 113.38 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070620.D
Acq: 07 Oct 2021 16:44

Instrument :
MSVOA_D
ClientSampleId :
TP-5

Tgt Ion: 75 Resp: 30051
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 2.55 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD070620.D
Acq: 07 Oct 2021 16:44

Tgt Ion: 128 Resp: 130
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

