

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060721\
 Data File : VD069364.D
 Acq On : 07 Jun 2021 13:23
 Operator : VA/SY
 Sample : M2598-10
 Misc : 5.46G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 17

Quant Time: Jun 08 04:22:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

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

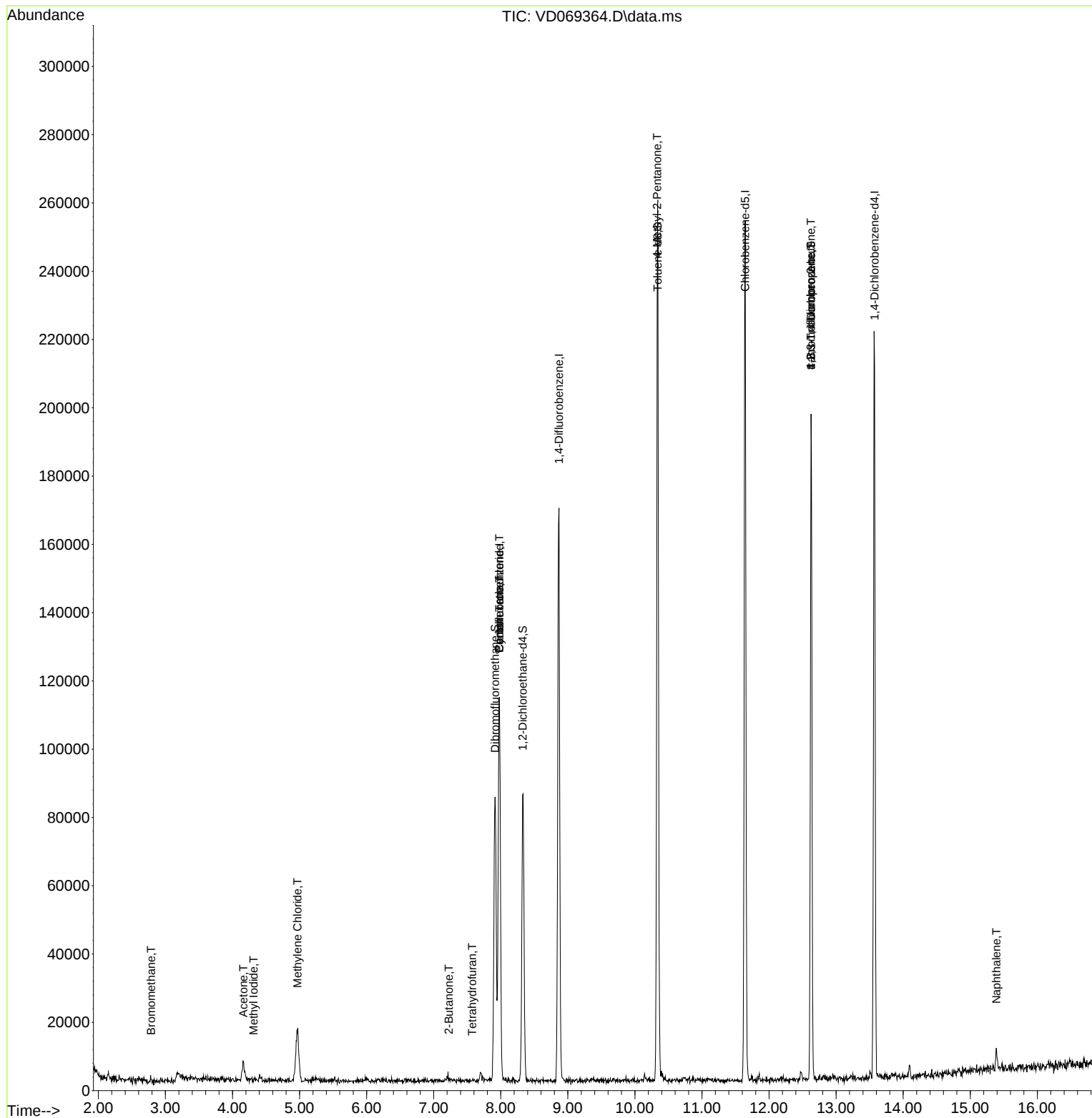
Internal Standards						
1) Pentafluorobenzene	7.979	168	87790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	150077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	152476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	62513	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	69044	81.96	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 163.92%#			
35) Dibromofluoromethane	7.914	113	62345	66.15	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 132.30%			
50) Toluene-d8	10.338	98	181730	53.03	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.06%			
62) 4-Bromofluorobenzene	12.626	95	55575	49.49	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.98%			
Target Compounds					Qvalue	
5) Bromomethane	2.785	94	560	1.08	ug/l	96
10) Methyl Iodide	4.314	142	259	2.76	ug/l #	66
11) Tert butyl alcohol	5.232	59	322	Below Cal	#	73
16) Acetone	4.161	43	8888	60.46	ug/l #	86
20) Methylene Chloride	4.967	84	13462	6.66	ug/l	87
25) 2-Butanone	7.226	43	1001	5.17	ug/l #	45
29) Tetrahydrofuran	7.573	42	137	1.23	ug/l #	27
31) Cyclohexane	7.979	56	2091	1.56	ug/l #	42
38) Carbon Tetrachloride	7.979	117	8612	5.47	ug/l #	14
51) 4-Methyl-2-Pentanone	10.332	43	881	1.89	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	25602	47.14	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	25602	104.46	ug/l #	18
95) Naphthalene	15.390	128	5355	5.65	ug/l	98

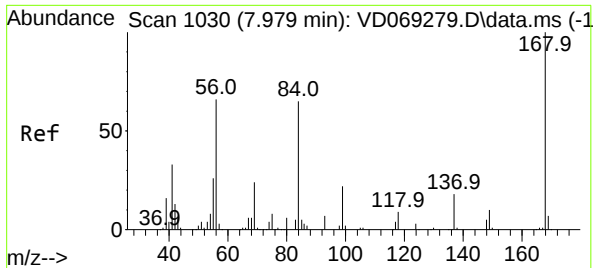
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
17

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Quant Title : SW846 8260
QLast Update : Wed Jun 02 02:17:36 2021
Response via : Initial Calibration

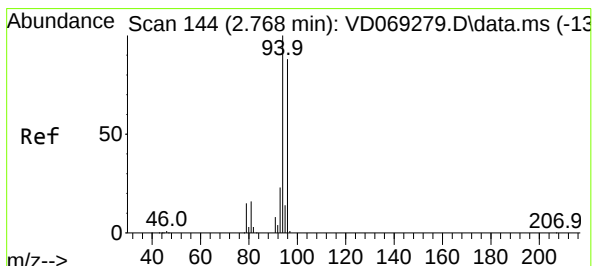
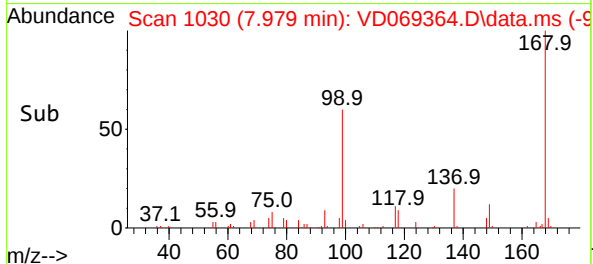
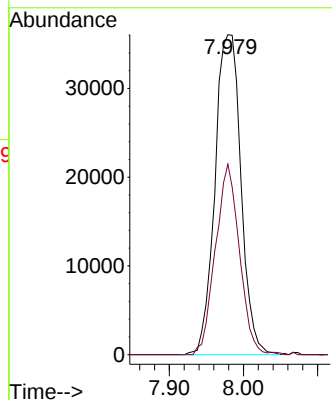
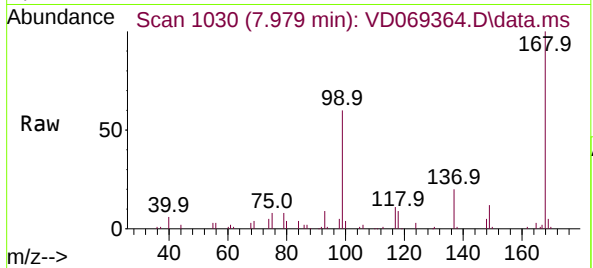




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069364.D
Acq: 07 Jun 2021 13:23

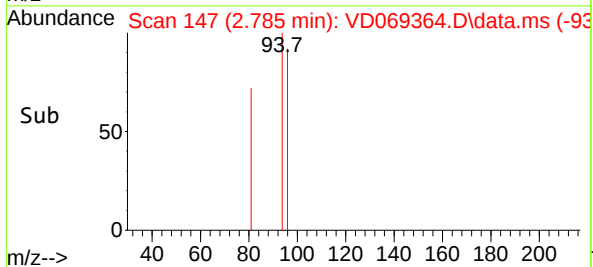
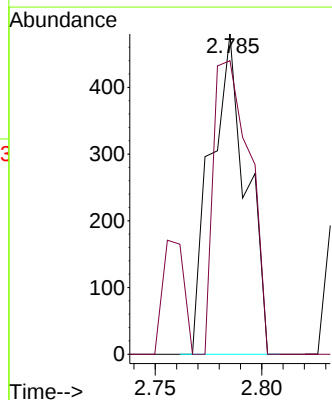
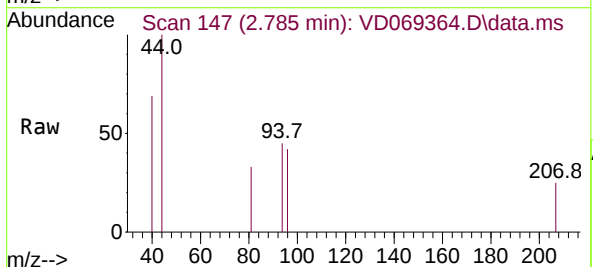
Instrument :
MSVOA_D
ClientSampleId :
17

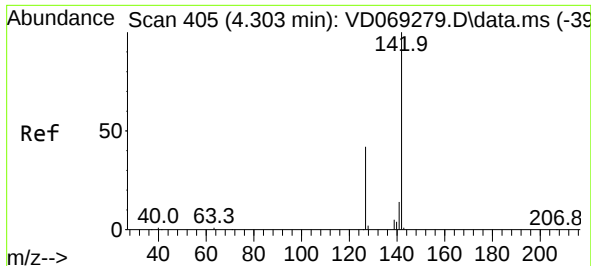
Tgt Ion:168 Resp: 87790
Ion Ratio Lower Upper
168 100
99 59.5 46.2 69.2



#5
Bromomethane
Concen: 1.08 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.018 min
Lab File: VD069364.D
Acq: 07 Jun 2021 13:23

Tgt Ion: 94 Resp: 560
Ion Ratio Lower Upper
94 100
96 91.7 70.3 105.5





#10

Methyl Iodide

Concen: 2.76 ug/l

RT: 4.314 min Scan# 407

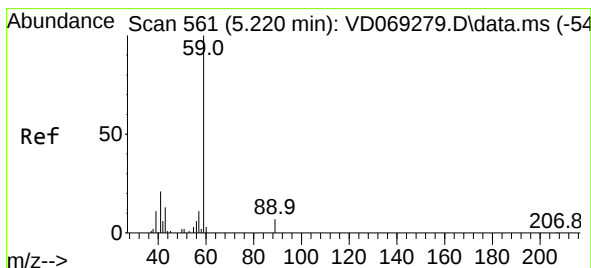
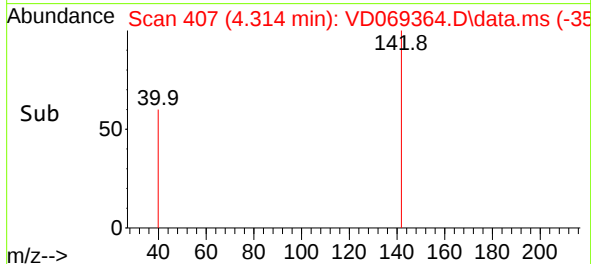
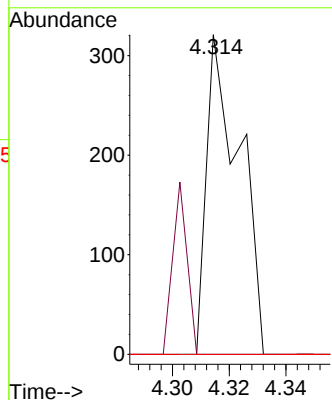
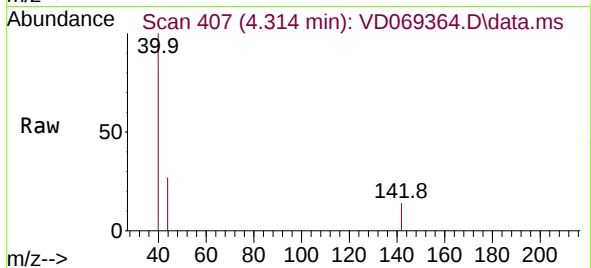
Delta R.T. 0.011 min

Lab File: VD069364.D

Acq: 07 Jun 2021 13:23

Instrument :
MSVOA_D
ClientSampled :
17

Tgt Ion:	142	Resp:	259
Ion	Ratio	Lower	Upper
142	100		
127	23.6	36.2	54.2#
141	0.0	12.2	18.2#



#11

Tert butyl alcohol

Concen: Below Cal

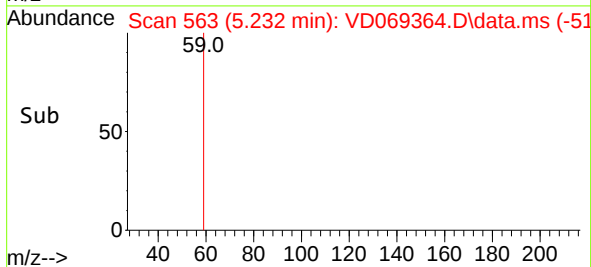
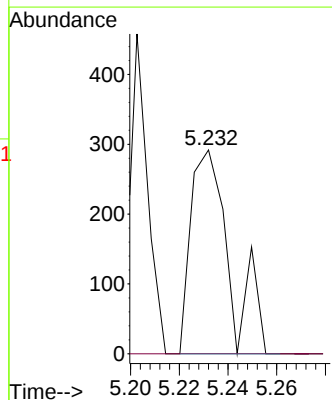
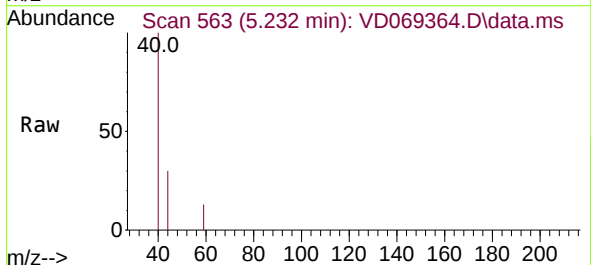
RT: 5.232 min Scan# 563

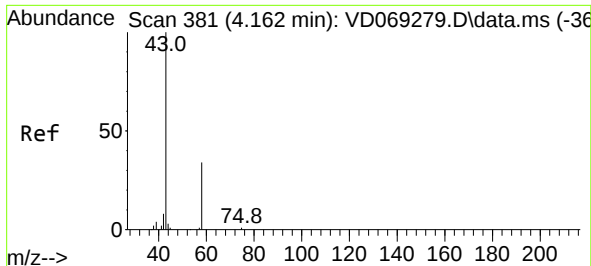
Delta R.T. 0.012 min

Lab File: VD069364.D

Acq: 07 Jun 2021 13:23

Tgt Ion:	59	Resp:	322
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

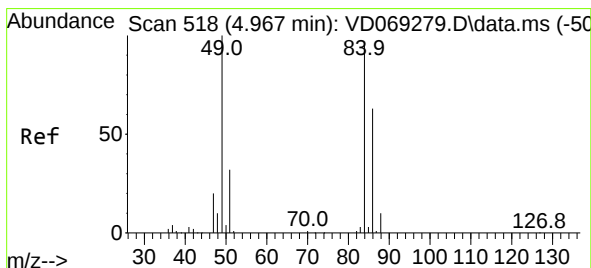
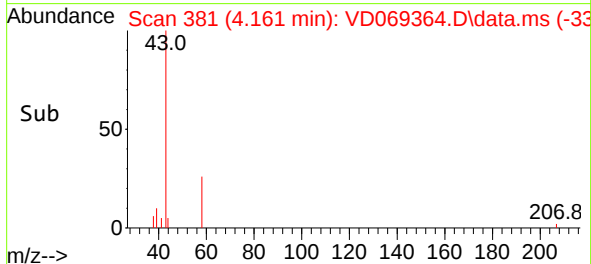
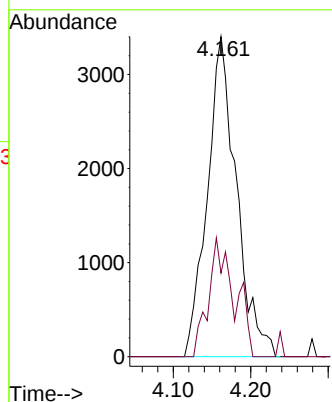
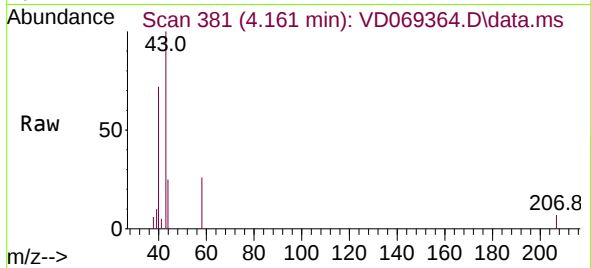




#16
Acetone
Concen: 60.46 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069364.D
Acq: 07 Jun 2021 13:23

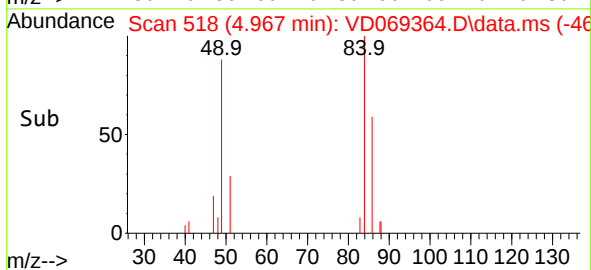
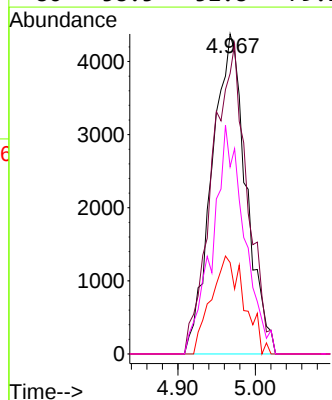
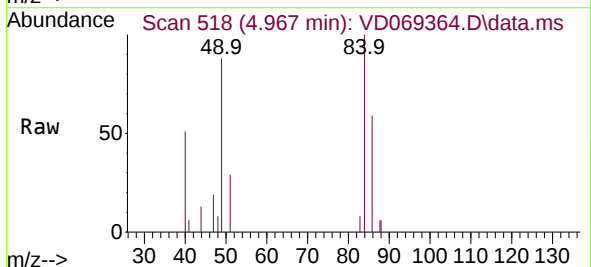
Instrument :
MSVOA_D
ClientSampleId :
17

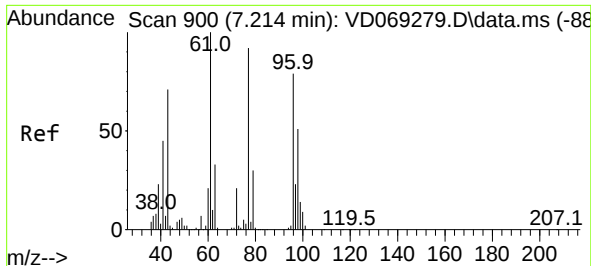
Tgt Ion: 43 Resp: 8888
Ion Ratio Lower Upper
43 100
58 26.1 27.5 41.3#



#20
Methylene Chloride
Concen: 6.66 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD069364.D
Acq: 07 Jun 2021 13:23

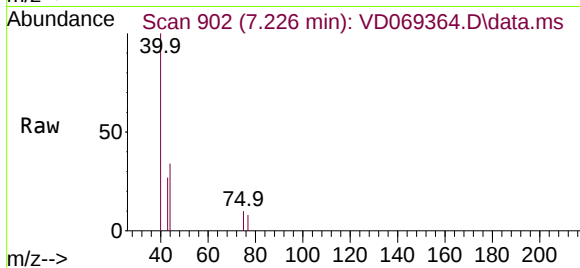
Tgt Ion: 84 Resp: 13462
Ion Ratio Lower Upper
84 100
49 87.7 83.7 125.5
51 28.5 26.4 39.6
86 58.5 52.8 79.2



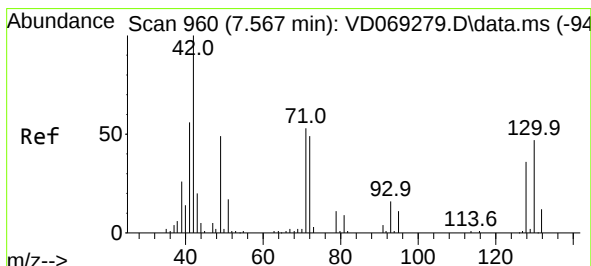
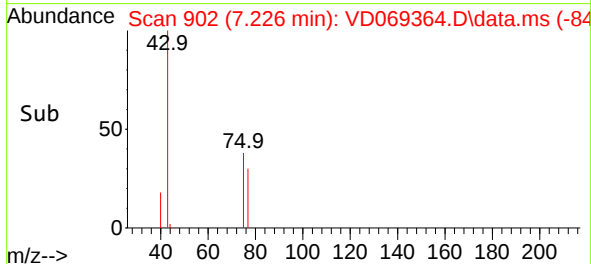
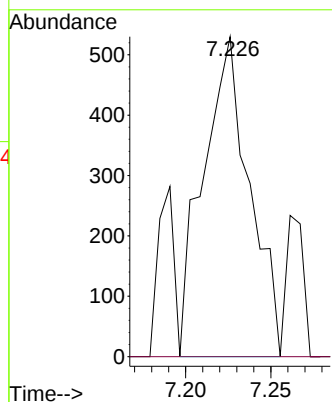


#25
2-Butanone
Concen: 5.17 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.012 min
Lab File: VD069364.D
Acq: 07 Jun 2021 13:23

Instrument :
MSVOA_D
ClientSampled :
17

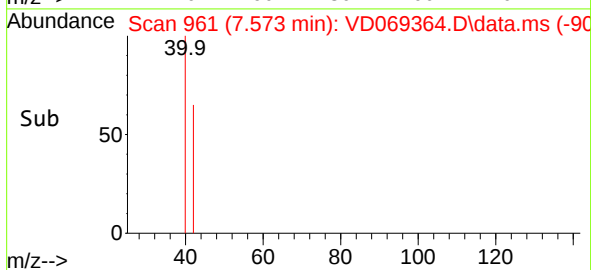
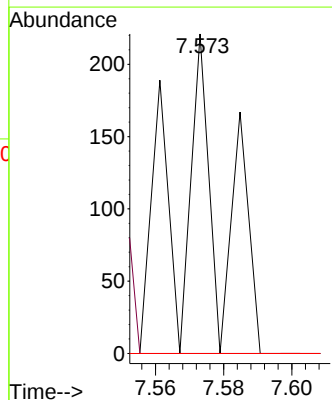
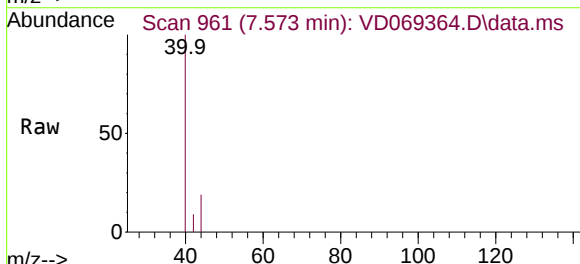


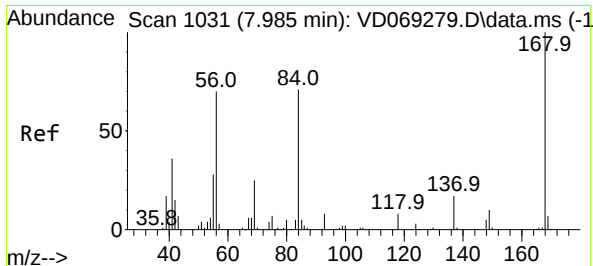
Tgt Ion: 43 Resp: 1001
Ion Ratio Lower Upper
43 100
72 0.0 23.9 35.9#



#29
Tetrahydrofuran
Concen: 1.23 ug/l
RT: 7.573 min Scan# 961
Delta R.T. 0.006 min
Lab File: VD069364.D
Acq: 07 Jun 2021 13:23

Tgt Ion: 42 Resp: 137
Ion Ratio Lower Upper
42 100
72 0.0 41.0 61.6#
71 0.0 38.9 58.3#

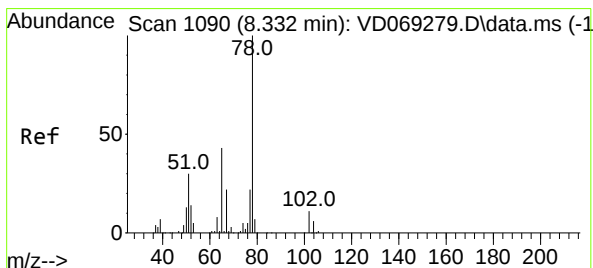
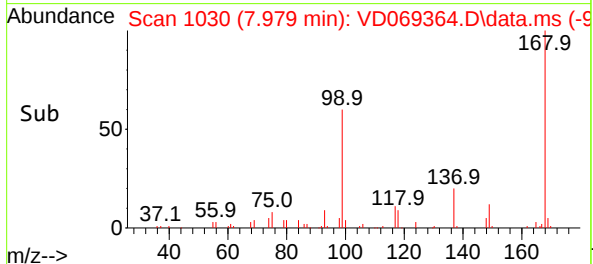
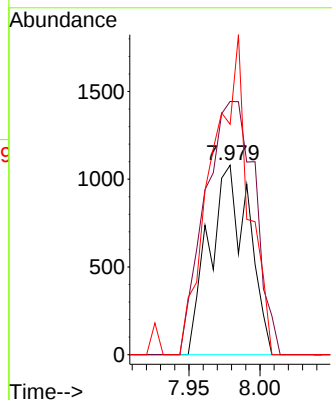
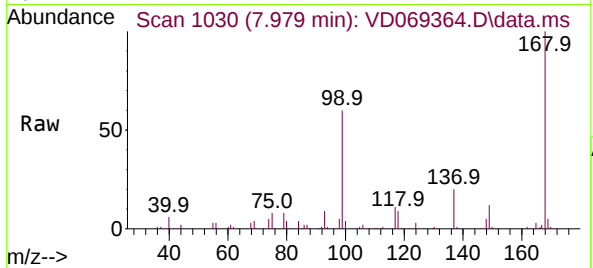




#31
Cyclohexane
Concen: 1.56 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069364.D
Acq: 07 Jun 2021 13:23

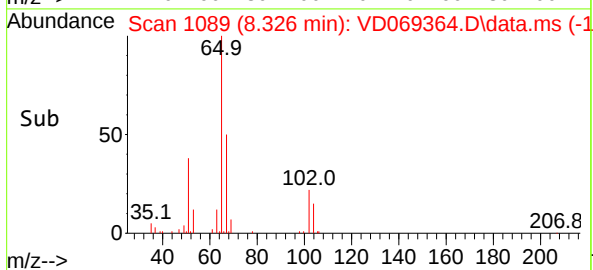
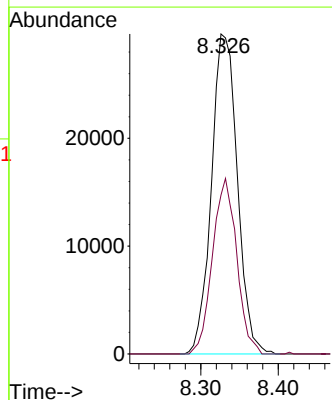
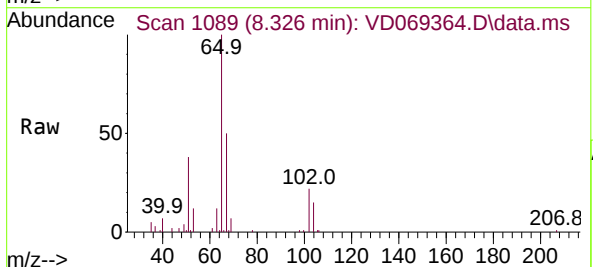
Instrument :
MSVOA_D
ClientSampled :
17

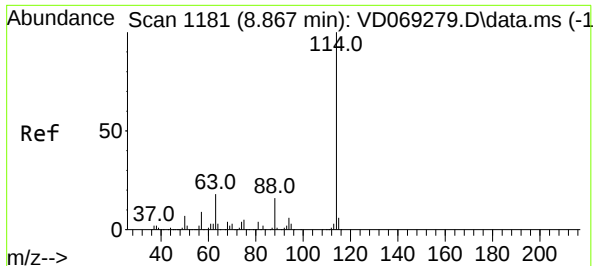
Tgt Ion: 56 Resp: 2091
Ion Ratio Lower Upper
56 100
69 133.7 29.0 43.4#
84 121.6 81.1 121.7



#33
1,2-Dichloroethane-d4
Concen: 81.96 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069364.D
Acq: 07 Jun 2021 13:23

Tgt Ion: 65 Resp: 69044
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD069364.D

Acq: 07 Jun 2021 13:23

Tgt Ion:114 Resp: 150077

Ion Ratio Lower Upper

114 100

63 16.3 0.0 35.6

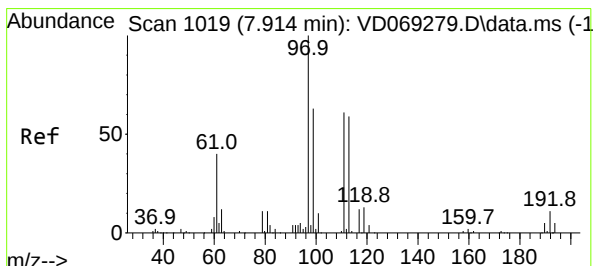
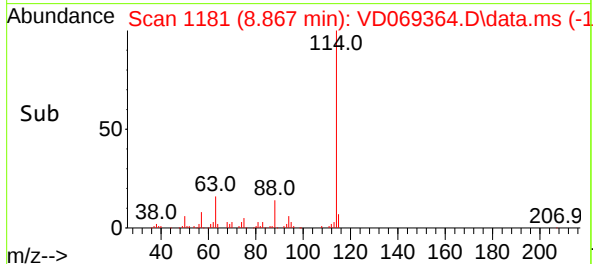
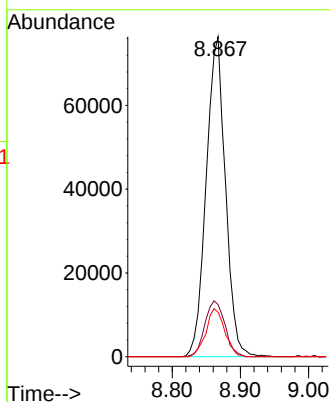
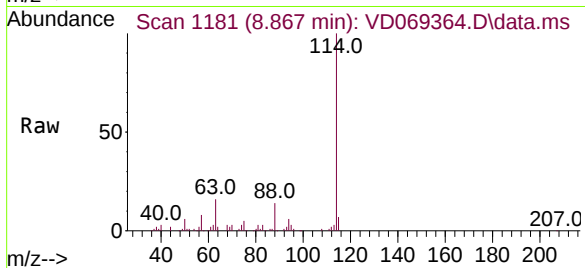
88 13.9 0.0 31.2

Instrument :

MSVOA_D

ClientSampled :

17



#35

Dibromofluoromethane

Concen: 66.15 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069364.D

Acq: 07 Jun 2021 13:23

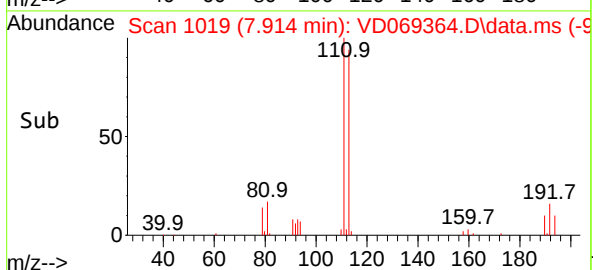
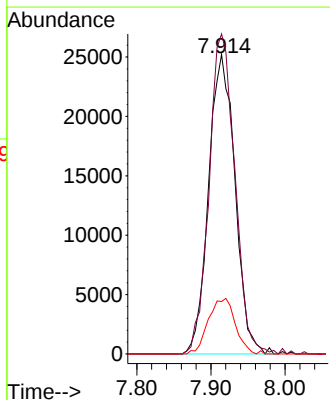
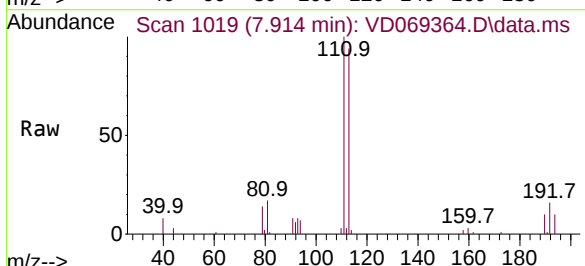
Tgt Ion:113 Resp: 62345

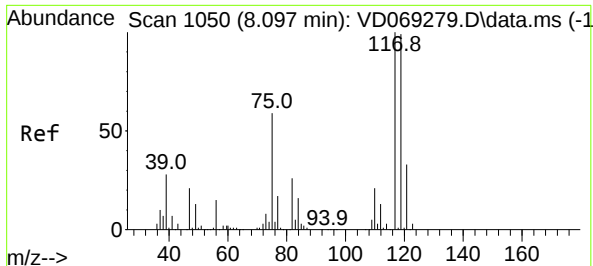
Ion Ratio Lower Upper

113 100

111 104.3 83.0 124.6

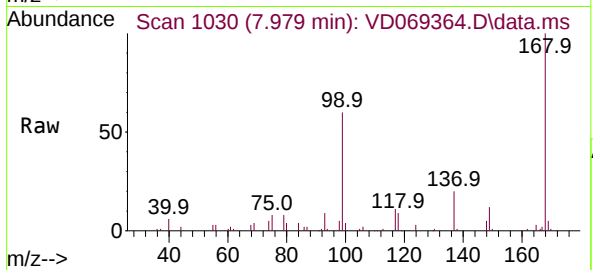
192 18.9 15.1 22.7



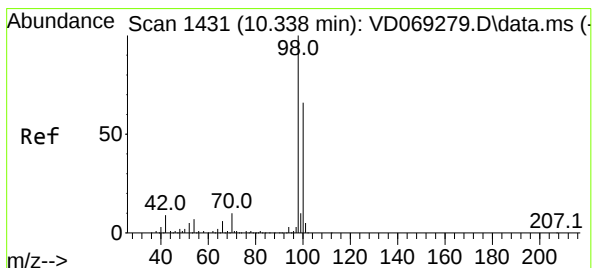
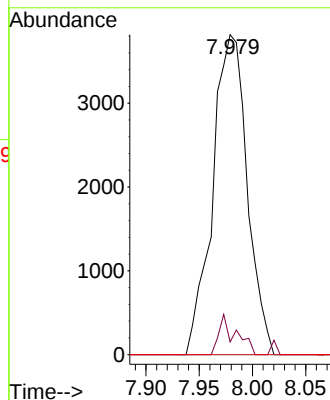
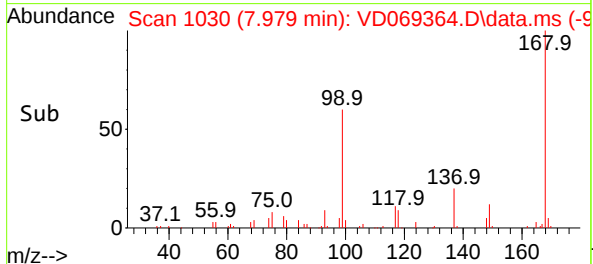


#38
Carbon Tetrachloride
Concen: 5.47 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069364.D
Acq: 07 Jun 2021 13:23

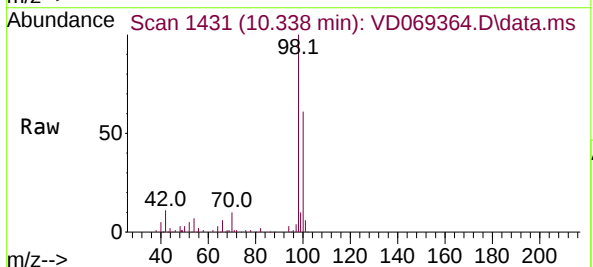
Instrument :
MSVOA_D
ClientSampled :
17



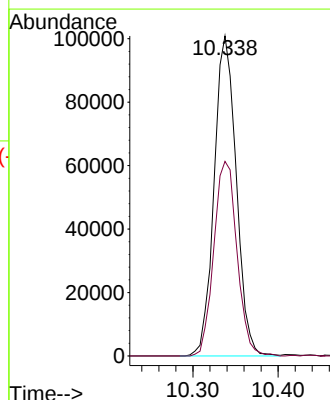
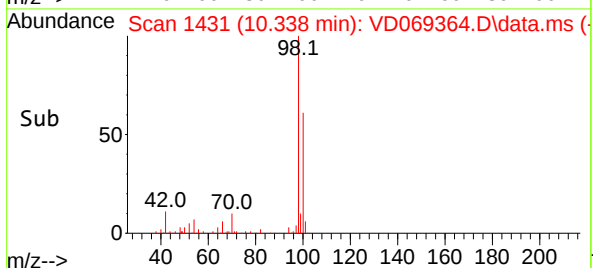
Tgt Ion:117 Resp: 8612
Ion Ratio Lower Upper
117 100
119 4.0 79.4 119.2#
121 0.0 26.1 39.1#

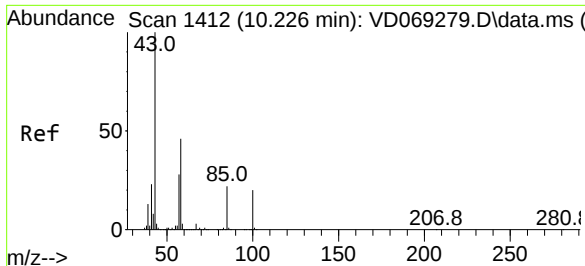


#50
Toluene-d8
Concen: 53.03 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069364.D
Acq: 07 Jun 2021 13:23



Tgt Ion: 98 Resp: 181730
Ion Ratio Lower Upper
98 100
100 63.7 52.1 78.1

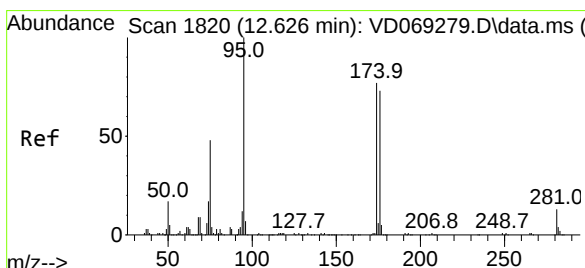
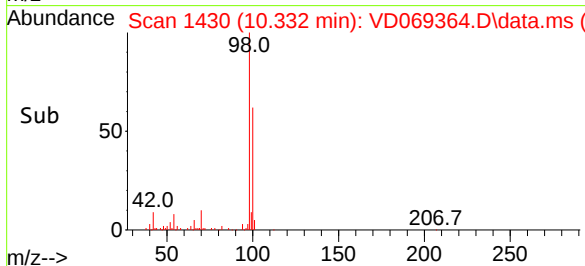
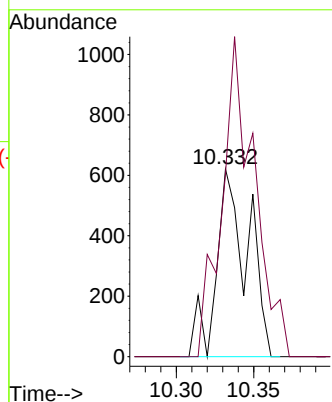
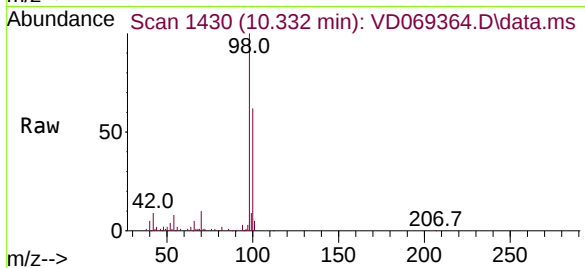




#51
4-Methyl-2-Pentanone
Concen: 1.89 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD069364.D
Acq: 07 Jun 2021 13:23

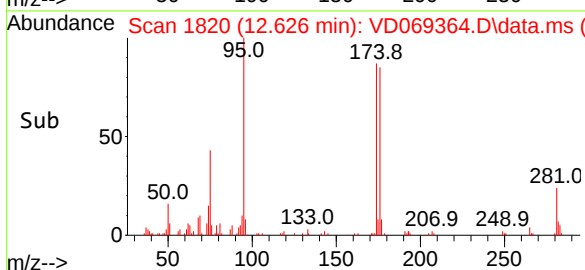
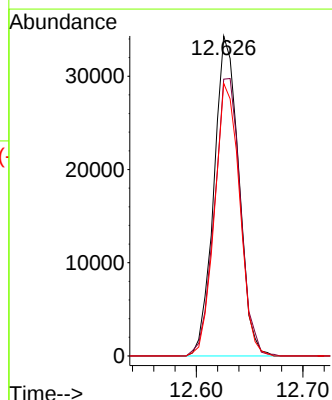
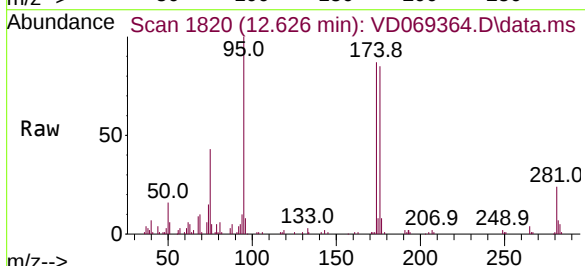
Instrument :
MSVOA_D
ClientSampled :
17

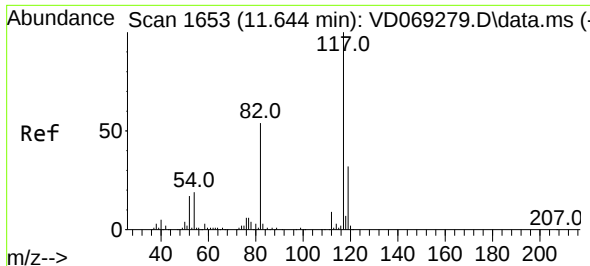
Tgt Ion: 43 Resp: 881
Ion Ratio Lower Upper
43 100
58 174.8 35.1 52.7#



#62
4-Bromofluorobenzene
Concen: 49.49 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069364.D
Acq: 07 Jun 2021 13:23

Tgt Ion: 95 Resp: 55575
Ion Ratio Lower Upper
95 100
174 90.6 0.0 162.8
176 85.7 0.0 154.4

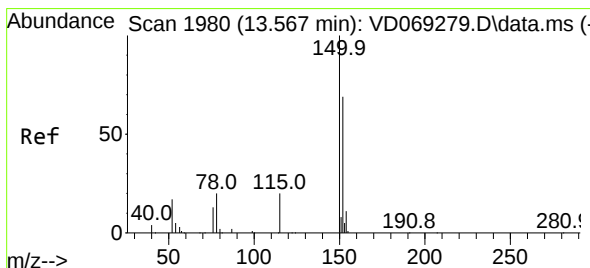
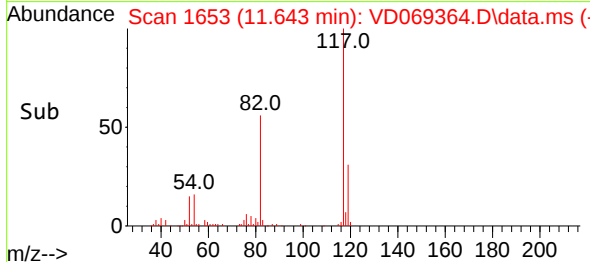
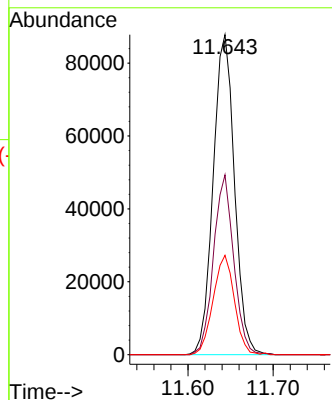
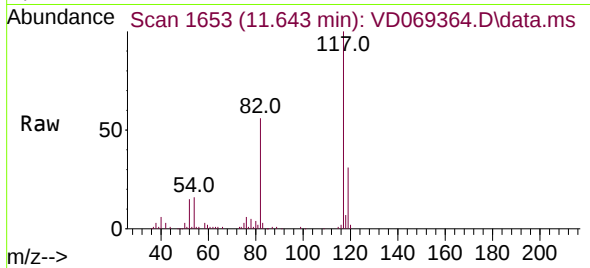




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069364.D
Acq: 07 Jun 2021 13:23

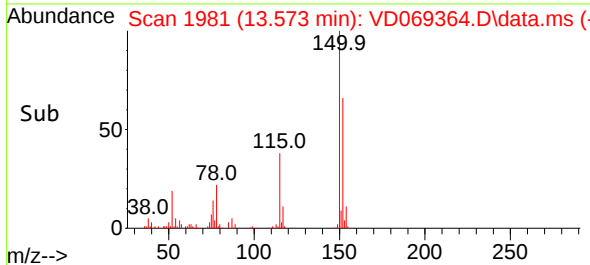
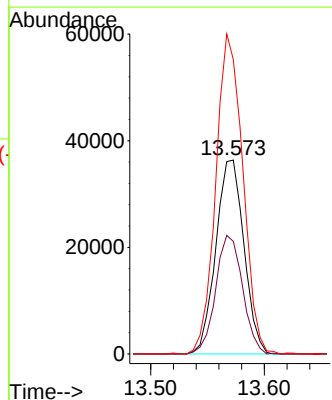
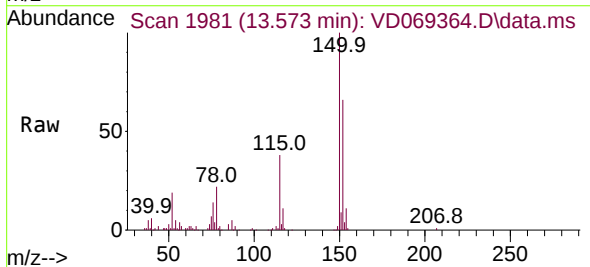
Instrument :
MSVOA_D
ClientSampleId :
17

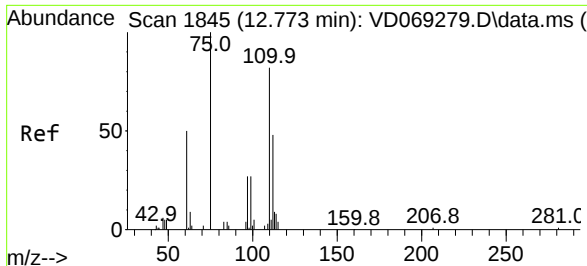
Tgt Ion:	117	Resp:	152476
Ion	Ratio	Lower	Upper
117	100		
82	56.2	43.3	64.9
119	31.1	25.3	37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.006 min
Lab File: VD069364.D
Acq: 07 Jun 2021 13:23

Tgt Ion:	152	Resp:	62513
Ion	Ratio	Lower	Upper
152	100		
115	58.5	29.4	88.3
150	158.9	0.0	355.0

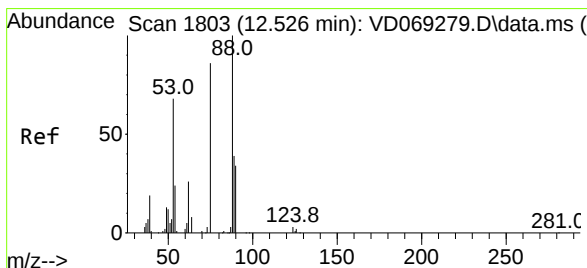
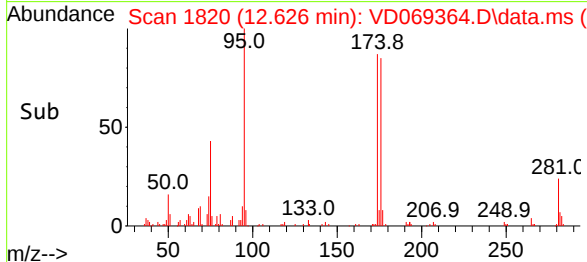
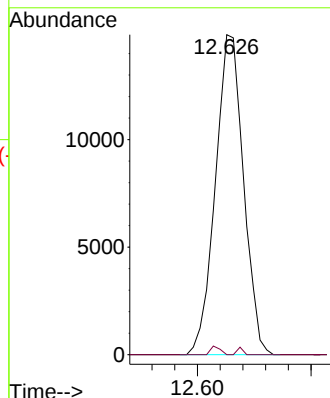
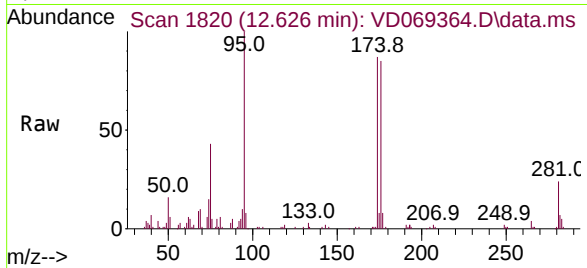




#76
1,2,3-Trichloropropane
Concen: 47.14 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069364.D
Acq: 07 Jun 2021 13:23

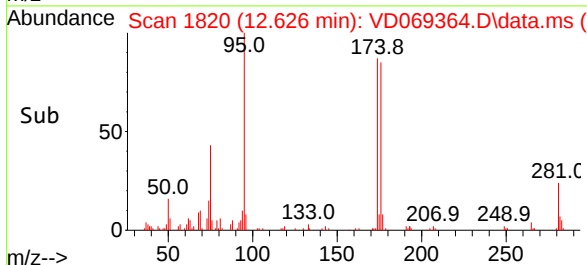
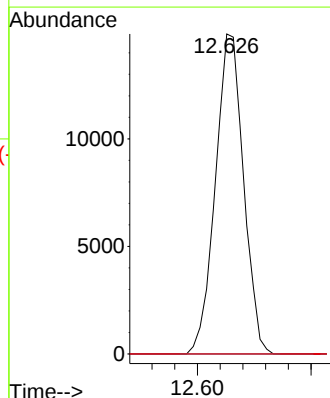
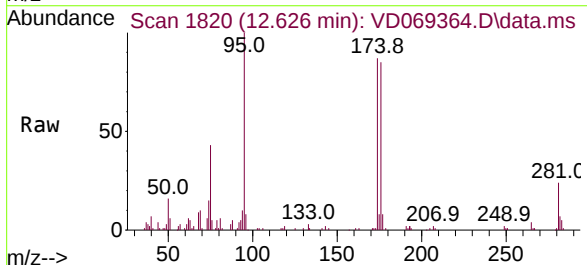
Instrument :
MSVOA_D
ClientSampled :
17

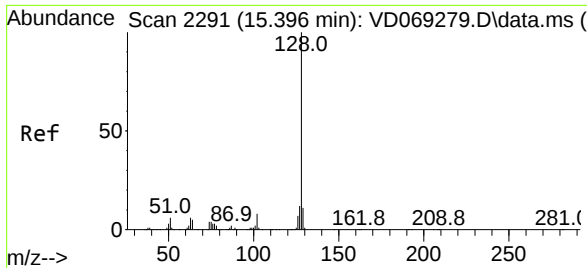
Tgt Ion: 75 Resp: 25602
Ion Ratio Lower Upper
75 100
77 0.5 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.46 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069364.D
Acq: 07 Jun 2021 13:23

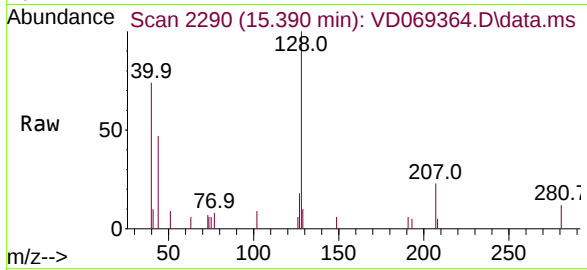
Tgt Ion: 75 Resp: 25602
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 35.6 53.4#





#95
Naphthalene
Concen: 5.65 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069364.D
Acq: 07 Jun 2021 13:23

Instrument :
MSVOA_D
ClientSampleId :
17



Tgt Ion:128 Resp: 5355
Ion Ratio Lower Upper
128 100
127 12.0 10.4 15.6
129 11.6 8.8 13.2

