

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072021\
 Data File : VD069764.D
 Acq On : 20 Jul 2021 12:30
 Operator : VA/SY
 Sample : M3039-11
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 21 03:24:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

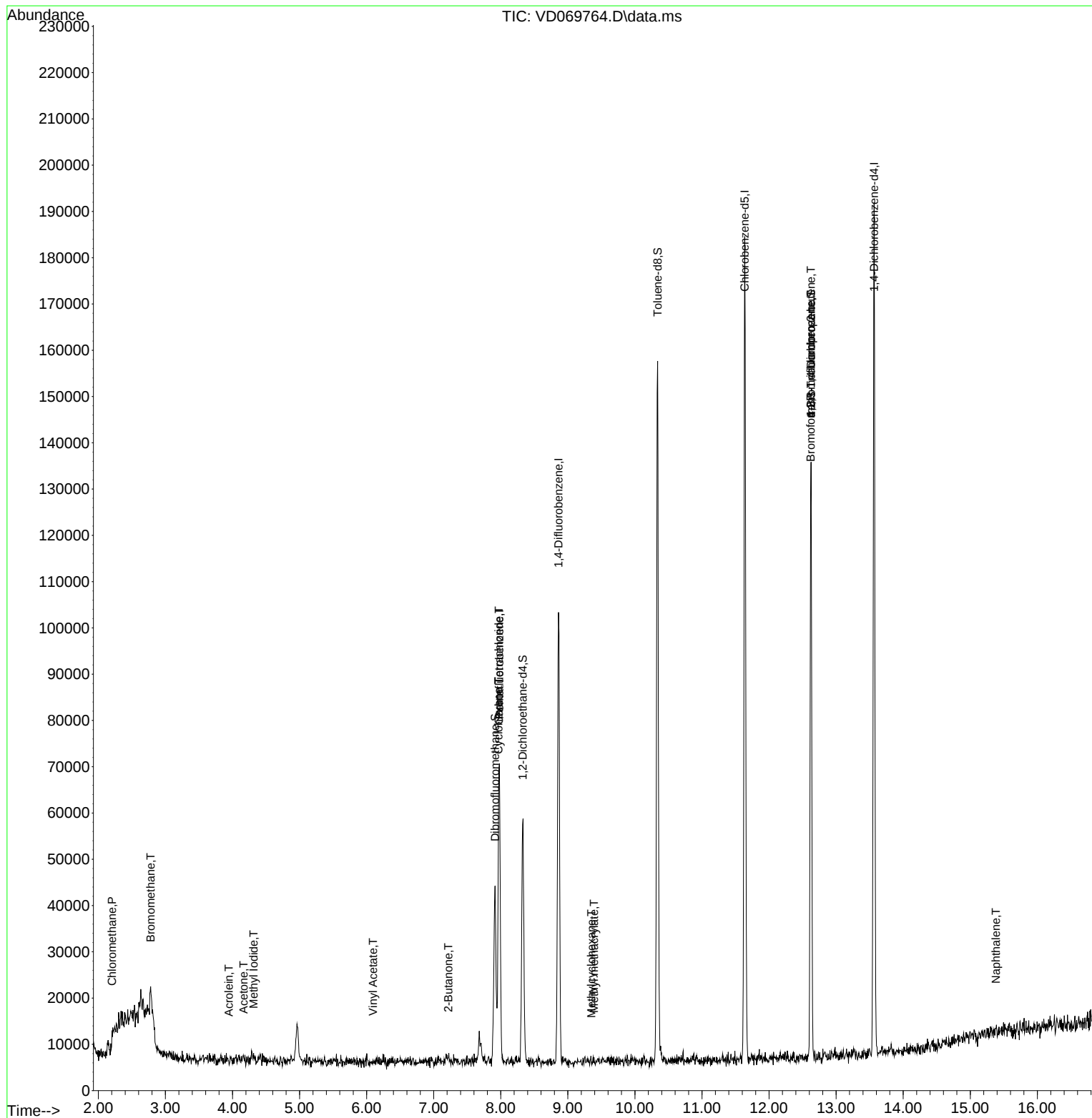
Internal Standards						
1) Pentafluorobenzene	7.979	168	45286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	82711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	103602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	49773	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	40673	71.930	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 143.860%			
35) Dibromofluoromethane	7.914	113	26717	48.148	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.300%			
50) Toluene-d8	10.338	98	106612	49.455	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.900%			
62) 4-Bromofluorobenzene	12.626	95	44015	61.220	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 122.440%			
Target Compounds			Qvalue			
3) Chloromethane	2.203	50	1530	2.114	ug/l	99
5) Bromomethane	2.779	94	3774	7.403	ug/l #	70
10) Methyl Iodide	4.315	142	2325	6.392	ug/l #	62
13) Acrolein	3.944	56	61	1.565	ug/l #	15
16) Acetone	4.167	43	1478	24.359	ug/l #	39
18) Methyl Acetate	4.697	43	58	Below Cal	#	49
20) Methylene Chloride	4.956	84	2359	Below Cal		96
23) Vinyl Acetate	6.097	43	67	15.495	ug/l #	72
25) 2-Butanone	7.220	43	264	1.975	ug/l #	47
31) Cyclohexane	7.967	56	1533	1.985	ug/l #	19
38) Carbon Tetrachloride	7.973	117	5399	6.910	ug/l #	13
39) Methylcyclohexane	9.350	83	70	2.024	ug/l #	64
48) Methyl methacrylate	9.391	41	110	1.453	ug/l #	13
71) Bromoform	12.620	173	408	1.138	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	22180	45.871	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	22180	123.276	ug/l #	14
95) Naphthalene	15.385	128	414	2.456	ug/l #	87

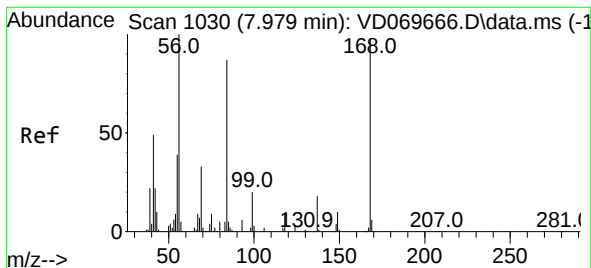
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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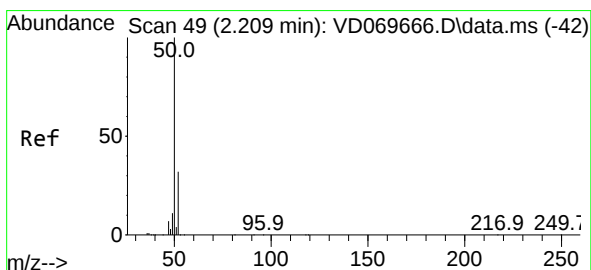
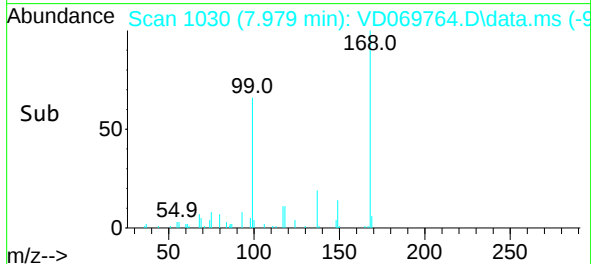
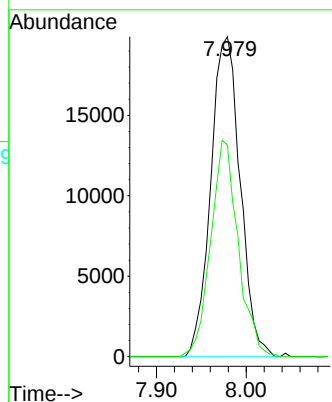
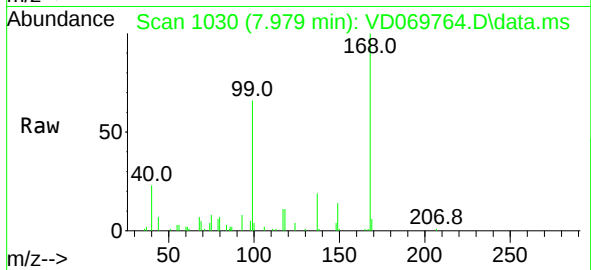




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069764.D
Acq: 20 Jul 2021 12:30

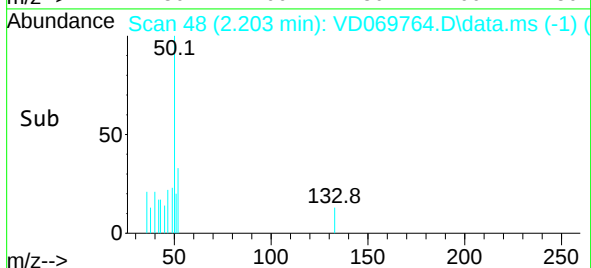
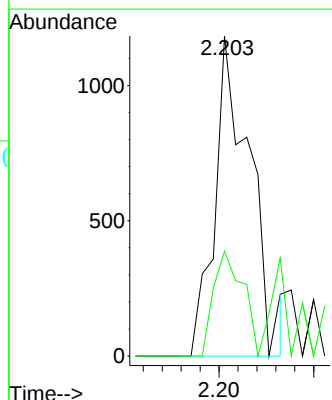
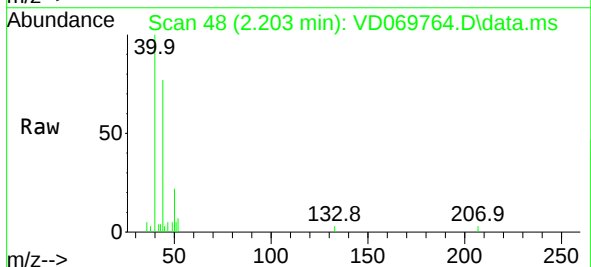
Instrument :
MSVOA_D
ClientSampleId :

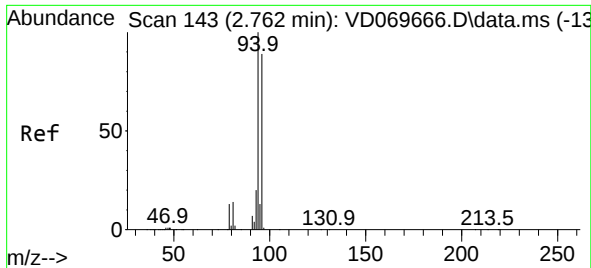
Tgt Ion:168 Resp: 45286
Ion Ratio Lower Upper
168 100
99 66.2 51.8 77.6



#3
Chloromethane
Concen: 2.114 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD069764.D
Acq: 20 Jul 2021 12:30

Tgt Ion: 50 Resp: 1530
Ion Ratio Lower Upper
50 100
52 32.8 25.9 38.9

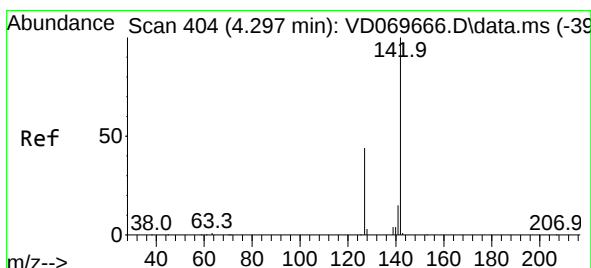
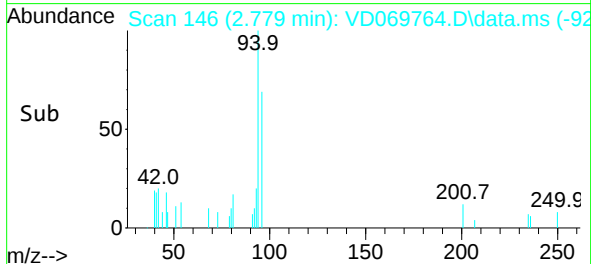
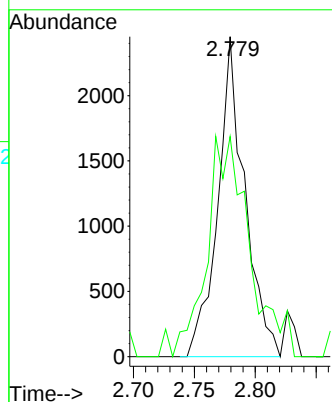
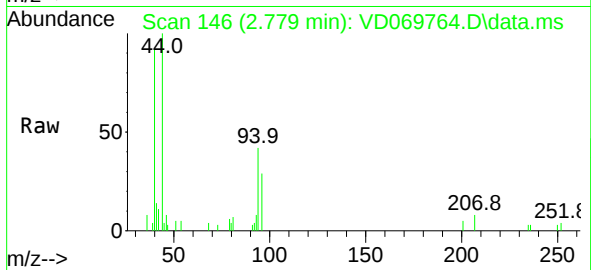




#5
Bromomethane
Concen: 7.403 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069764.D
Acq: 20 Jul 2021 12:30

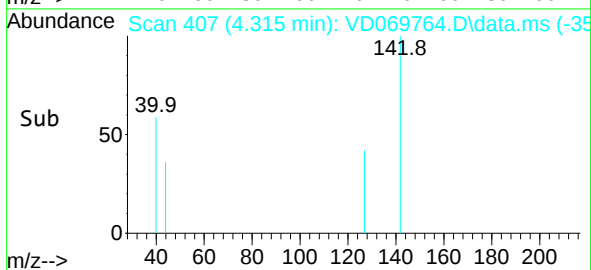
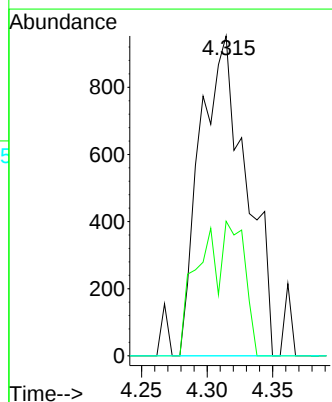
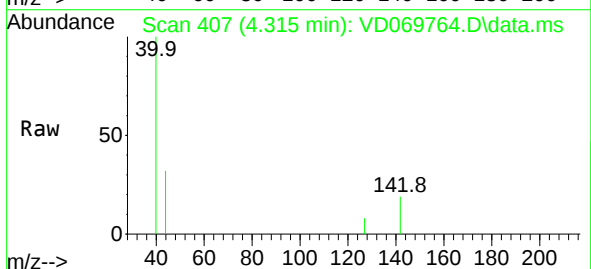
Instrument :
MSVOA_D
ClientSampleId :

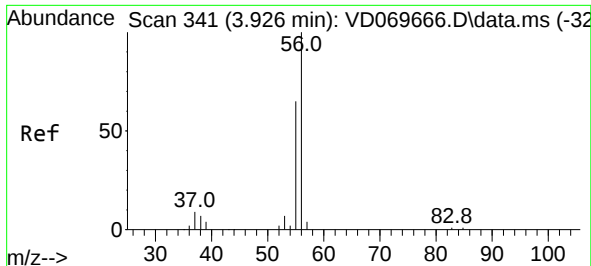
Tgt Ion: 94 Resp: 3774
Ion Ratio Lower Upper
94 100
96 61.3 71.2 106.8#



#10
Methyl Iodide
Concen: 6.392 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.018 min
Lab File: VD069764.D
Acq: 20 Jul 2021 12:30

Tgt Ion: 142 Resp: 2325
Ion Ratio Lower Upper
142 100
127 19.7 36.1 54.1#
141 0.0 11.6 17.4#

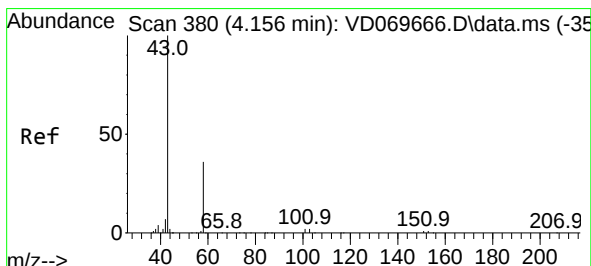
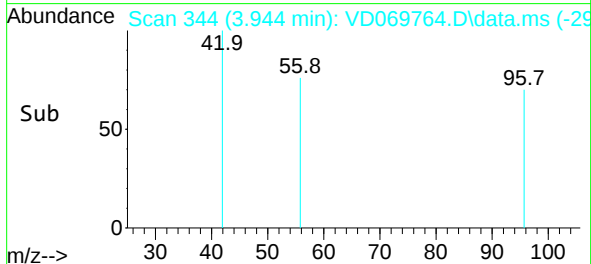
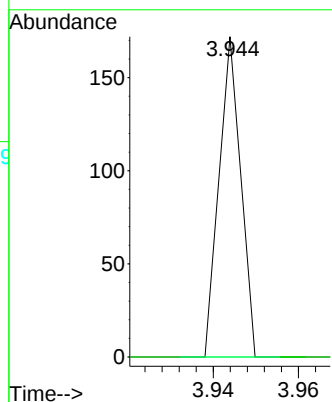
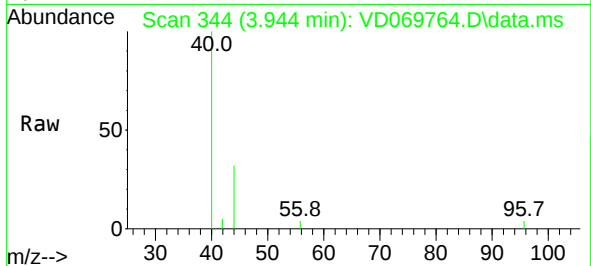




#13
Acrolein
Concen: 1.565 ug/l
RT: 3.944 min Scan# 344
Delta R.T. 0.018 min
Lab File: VD069764.D
Acq: 20 Jul 2021 12:30

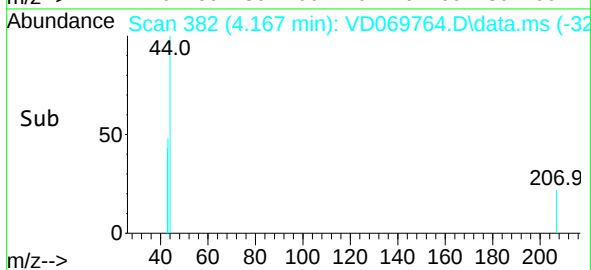
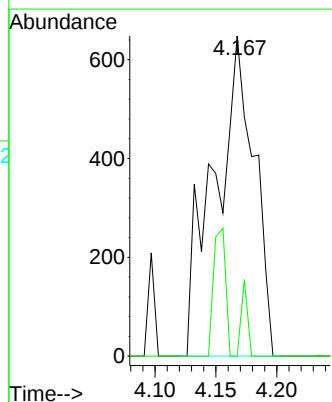
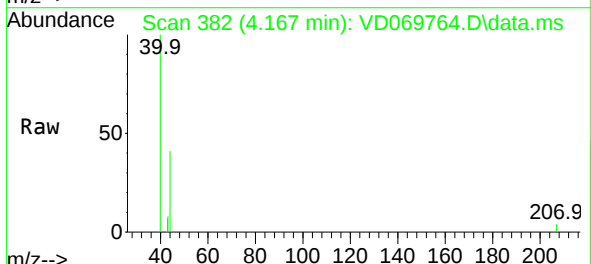
Instrument :
MSVOA_D
ClientSampleId :

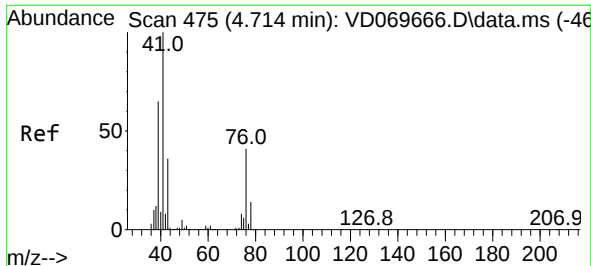
Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 24.359 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD069764.D
Acq: 20 Jul 2021 12:30

Tgt Ion: 43 Resp: 1478
Ion Ratio Lower Upper
43 100
58 0.0 28.6 42.8#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.697 min Scan# 472

Delta R.T. -0.017 min

Lab File: VD069764.D

Acq: 20 Jul 2021 12:30

Instrument :

MSVOA_D

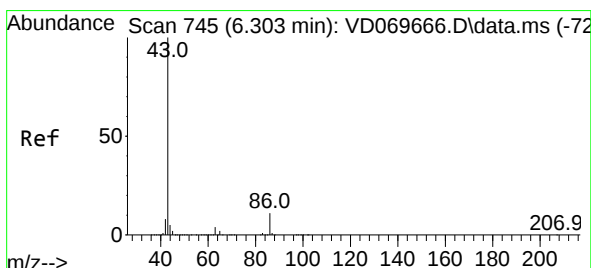
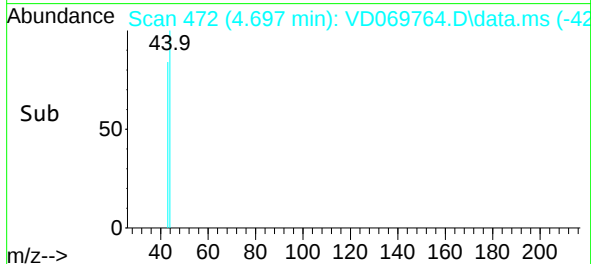
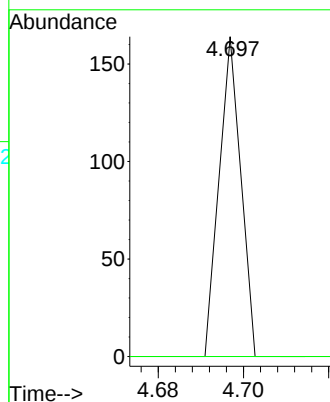
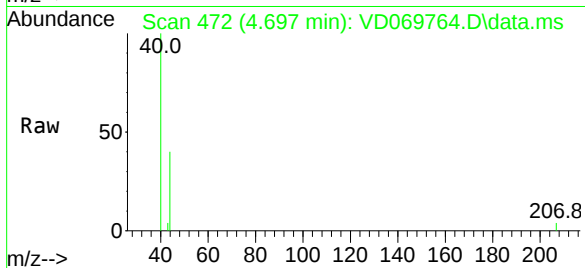
ClientSampled :

Tgt Ion: 43 Resp: 58

Ion Ratio Lower Upper

43 100

74 0.0 20.6 30.8#



#23

Vinyl Acetate

Concen: 15.495 ug/l

RT: 6.097 min Scan# 710

Delta R.T. -0.206 min

Lab File: VD069764.D

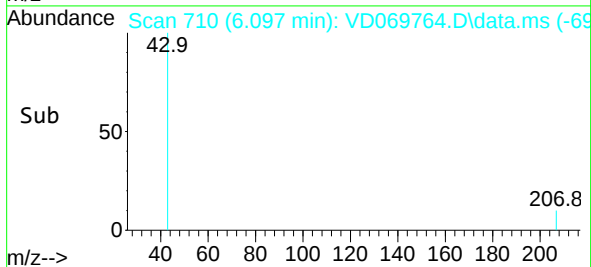
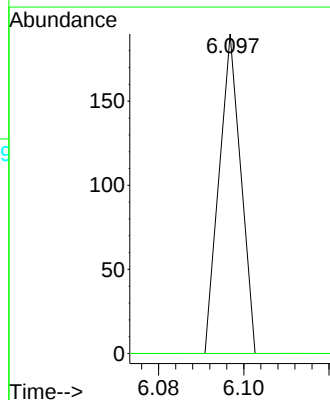
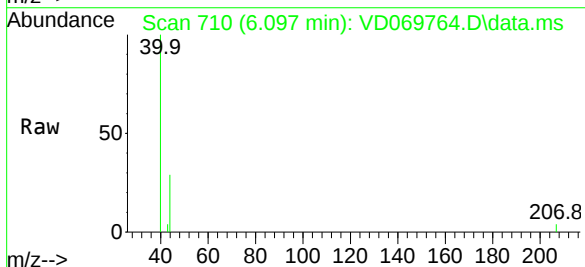
Acq: 20 Jul 2021 12:30

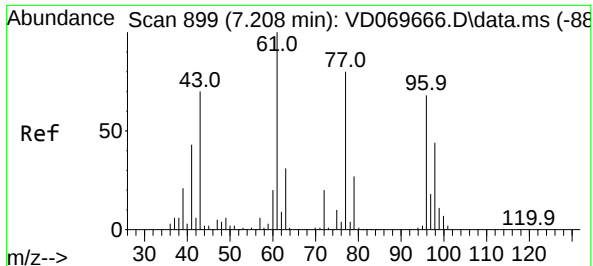
Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

43 100

86 0.0 8.6 12.8#

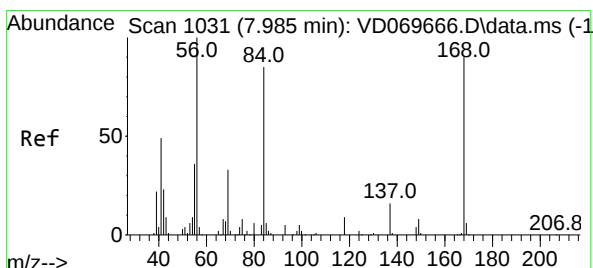
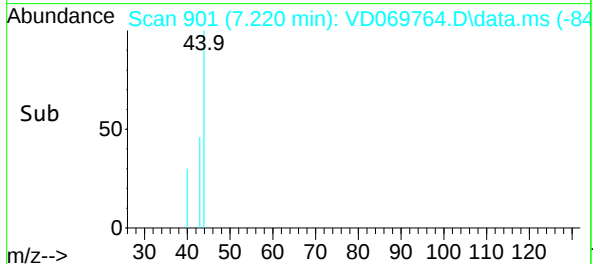
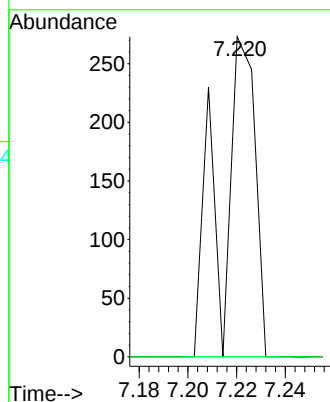
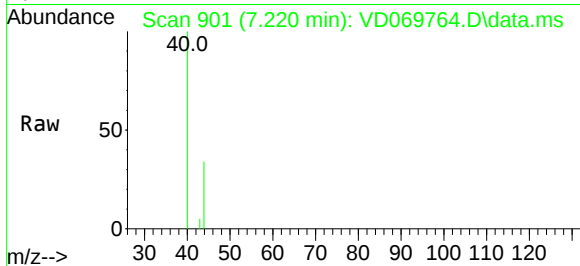




#25
2-Butanone
Concen: 1.975 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD069764.D
Acq: 20 Jul 2021 12:30

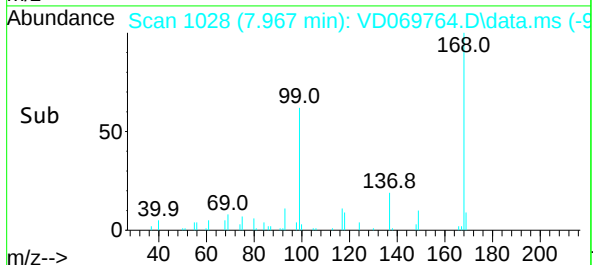
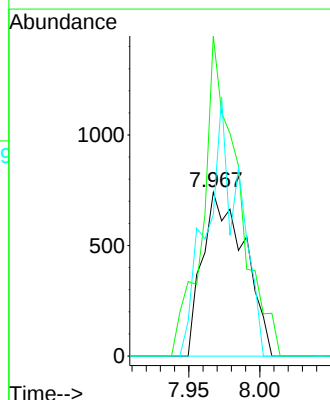
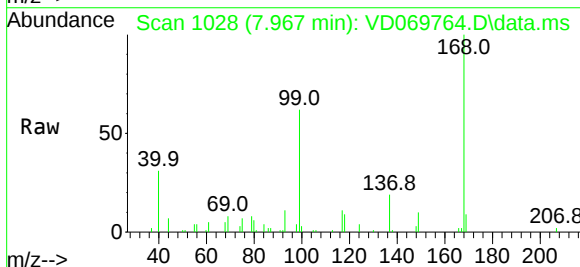
Instrument :
MSVOA_D
ClientSampled :

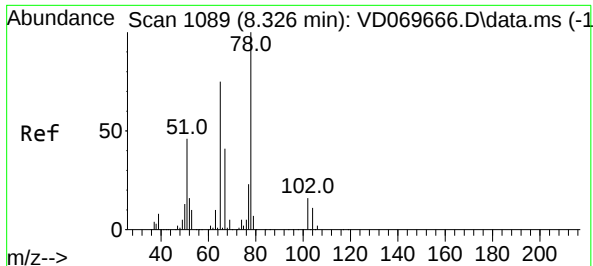
Tgt Ion: 43 Resp: 264
Ion Ratio Lower Upper
43 100
72 0.0 22.6 33.8#



#31
Cyclohexane
Concen: 1.985 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD069764.D
Acq: 20 Jul 2021 12:30

Tgt Ion: 56 Resp: 1533
Ion Ratio Lower Upper
56 100
69 195.4 26.6 39.8#
84 86.4 68.2 102.2

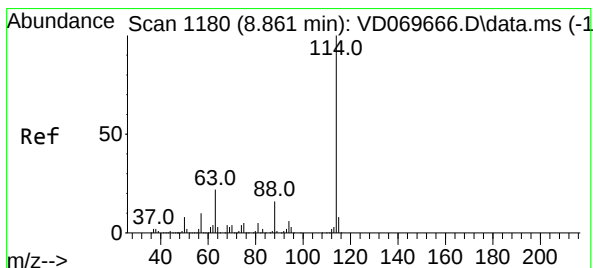
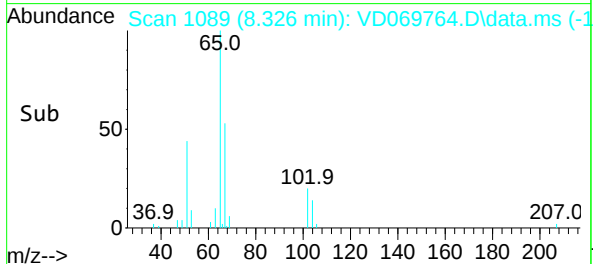
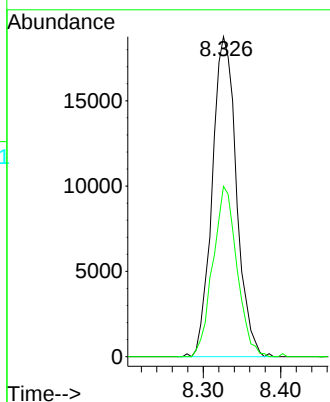
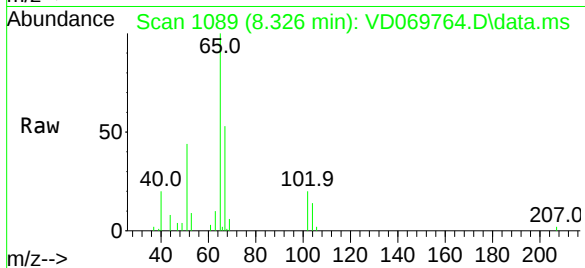




#33
1,2-Dichloroethane-d4
Concen: 71.930 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069764.D
Acq: 20 Jul 2021 12:30

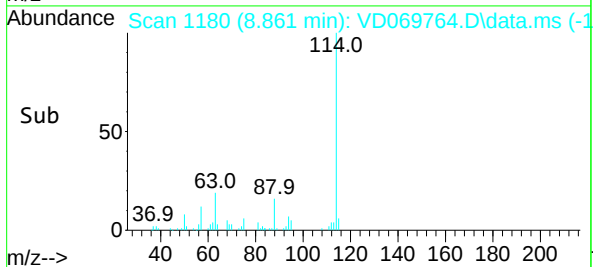
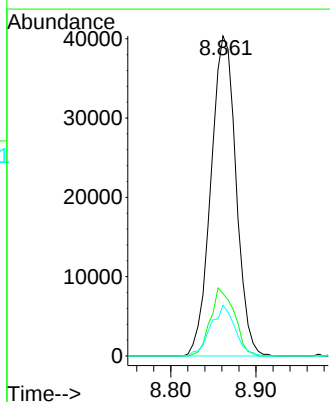
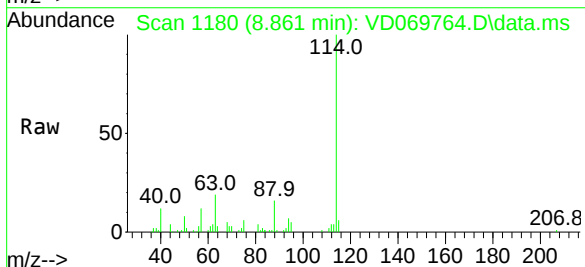
Instrument :
MSVOA_D
ClientSampled :

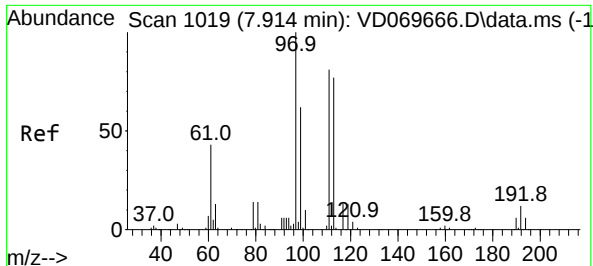
Tgt Ion: 65 Resp: 40673
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069764.D
Acq: 20 Jul 2021 12:30

Tgt Ion: 114 Resp: 82711
Ion Ratio Lower Upper
114 100
63 19.5 0.0 43.4
88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.148 ug/l

RT: 7.914 min Scan# 1019

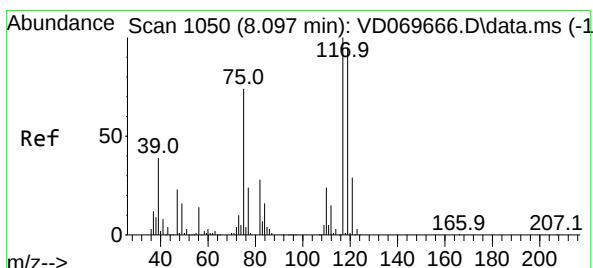
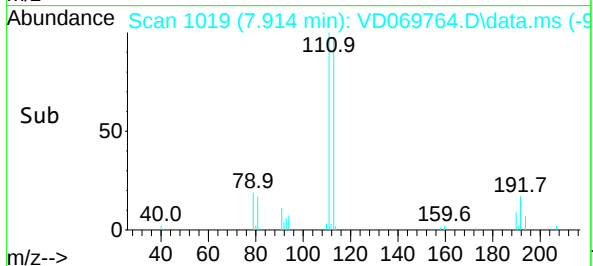
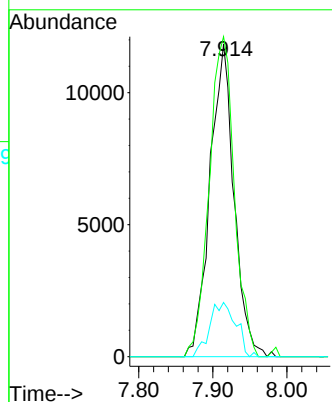
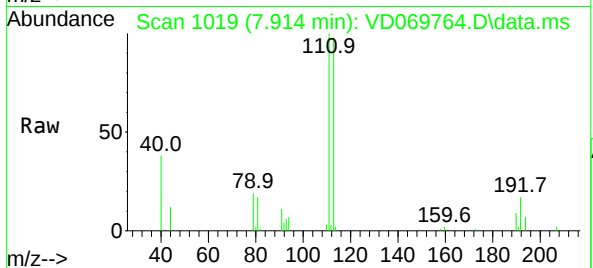
Delta R.T. 0.000 min

Lab File: VD069764.D

Acq: 20 Jul 2021 12:30

Tgt Ion:	113	Resp:	26717
Ion	Ratio	Lower	Upper
113	100		
111	106.7	82.6	123.8
192	19.0	12.7	19.1

Instrument :
MSVOA_D
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.910 ug/l

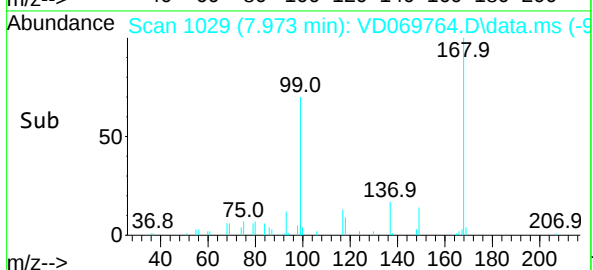
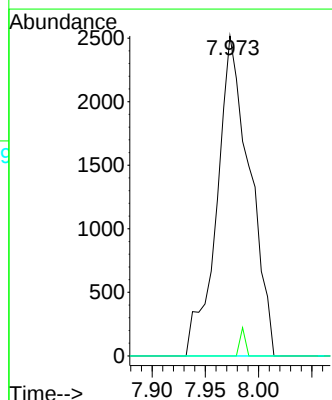
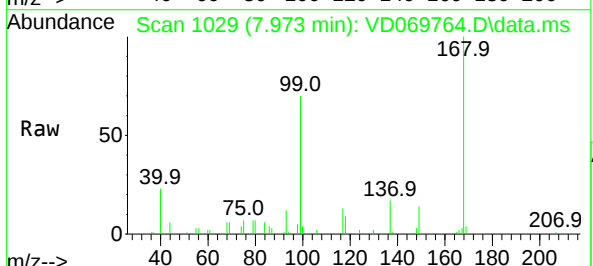
RT: 7.973 min Scan# 1029

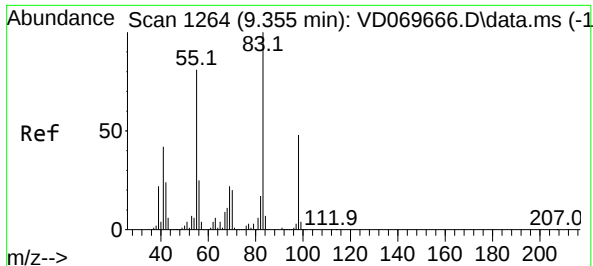
Delta R.T. -0.124 min

Lab File: VD069764.D

Acq: 20 Jul 2021 12:30

Tgt Ion:	117	Resp:	5399
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.7	113.5#
121	0.0	23.0	34.6#





#39

Methylcyclohexane

Concen: 2.024 ug/l

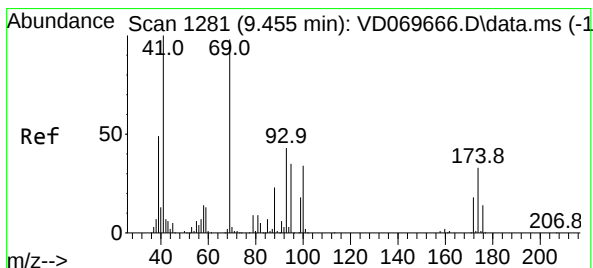
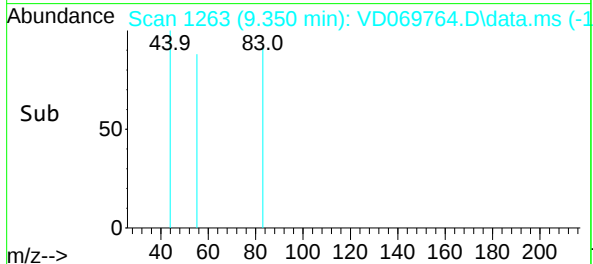
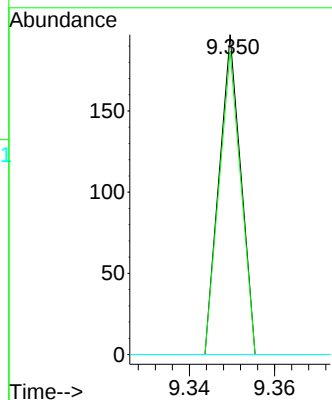
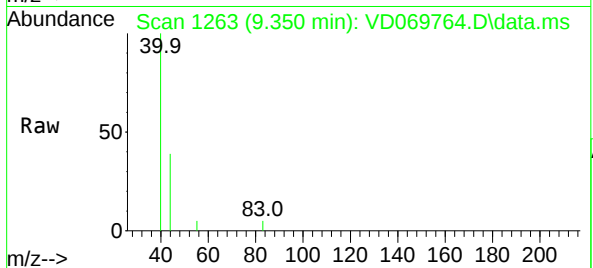
RT: 9.350 min Scan# 1263

Delta R.T. -0.005 min

Lab File: VD069764.D

Acq: 20 Jul 2021 12:30

Tgt Ion: 83	Resp: 70
Ion Ratio	Lower Upper
83	100
55	94.9 64.6 97.0
98	0.0 38.4 57.6#



#48

Methyl methacrylate

Concen: 1.453 ug/l

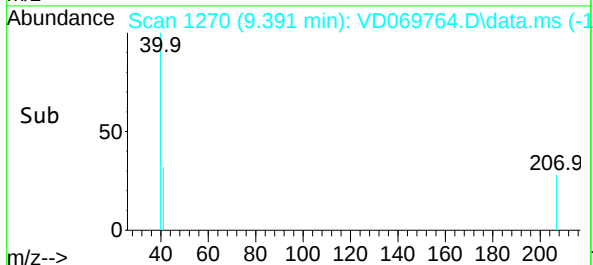
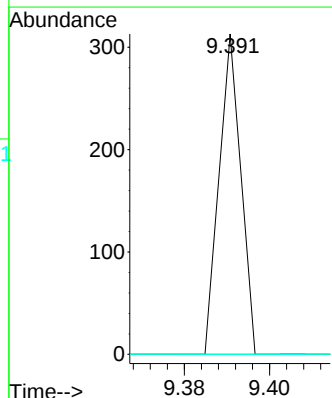
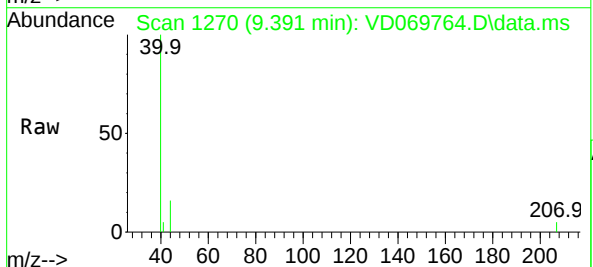
RT: 9.391 min Scan# 1270

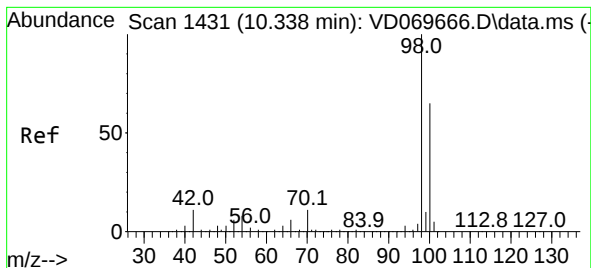
Delta R.T. -0.064 min

Lab File: VD069764.D

Acq: 20 Jul 2021 12:30

Tgt Ion: 41	Resp: 110
Ion Ratio	Lower Upper
41	100
69	0.0 71.6 107.4#
39	0.0 36.7 55.1#

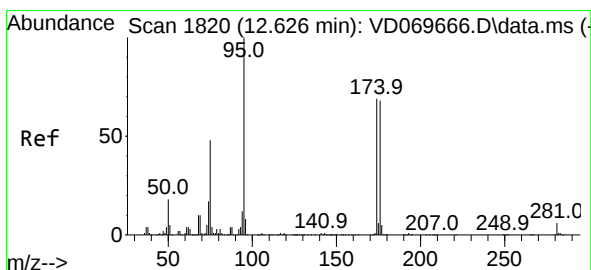
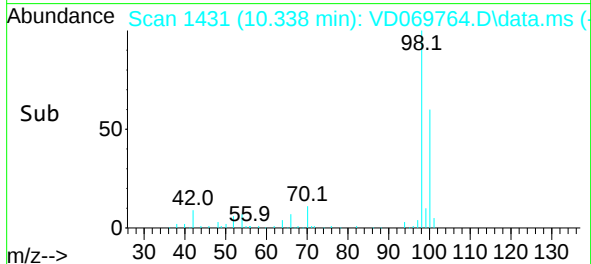
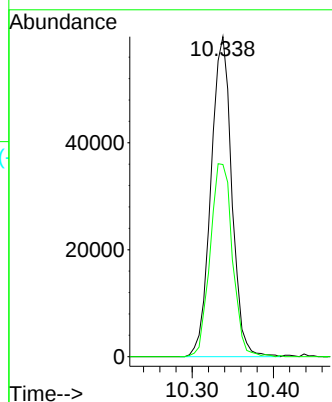
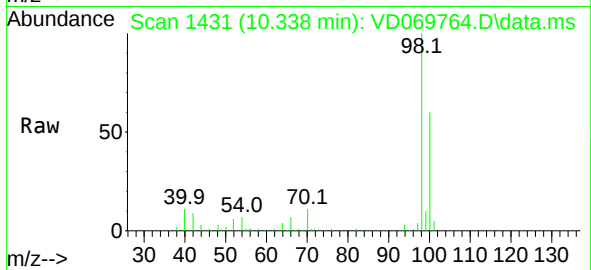




#50
Toluene-d8
Concen: 49.455 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069764.D
Acq: 20 Jul 2021 12:30

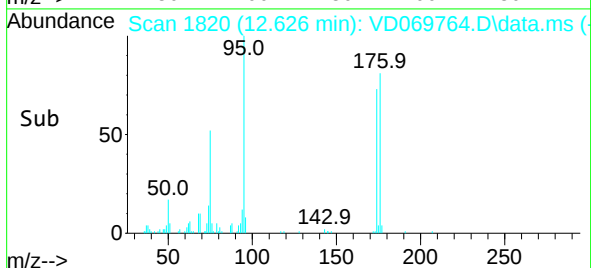
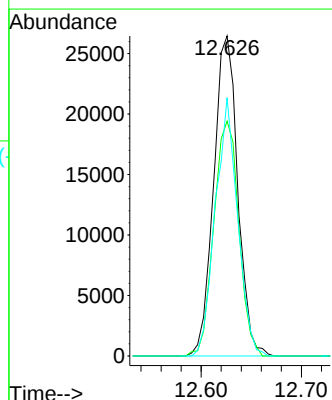
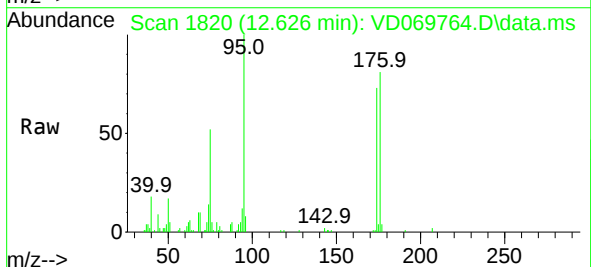
Instrument :
MSVOA_D
ClientSampled :

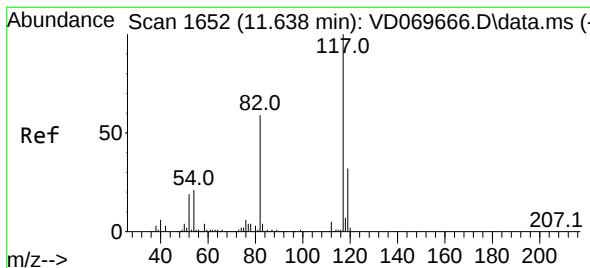
Tgt Ion: 98 Resp: 106612
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 61.220 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069764.D
Acq: 20 Jul 2021 12:30

Tgt Ion: 95 Resp: 44015
Ion Ratio Lower Upper
95 100
174 75.9 0.0 140.0
176 75.0 0.0 136.2

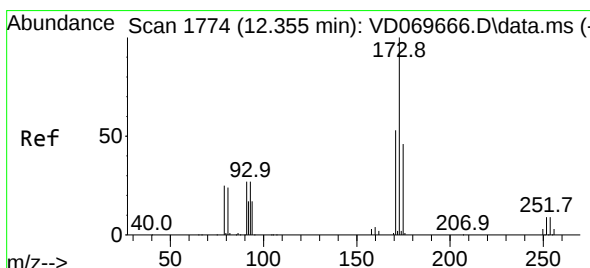
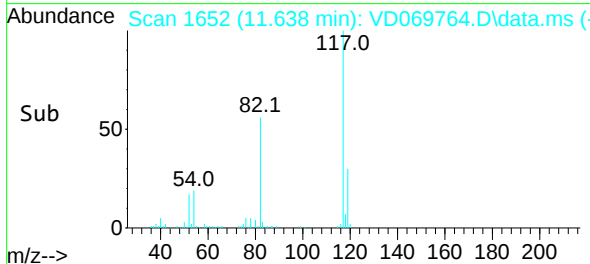
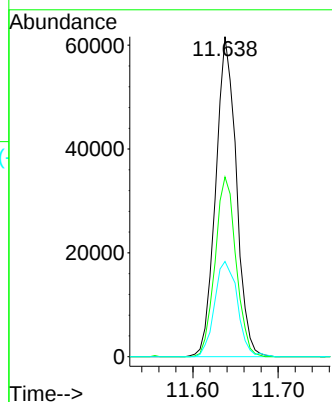
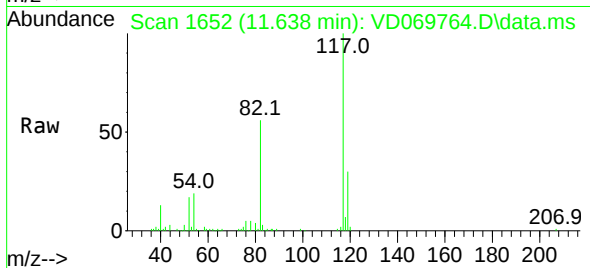




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069764.D
Acq: 20 Jul 2021 12:30

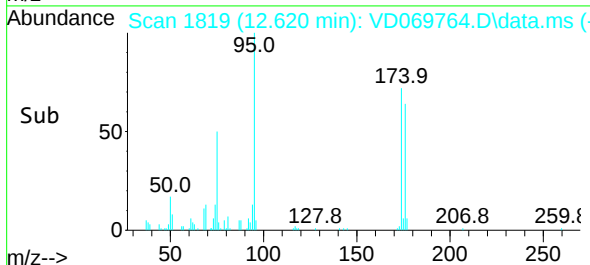
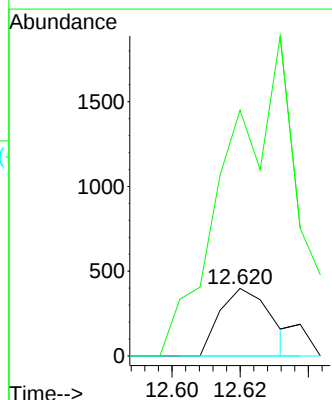
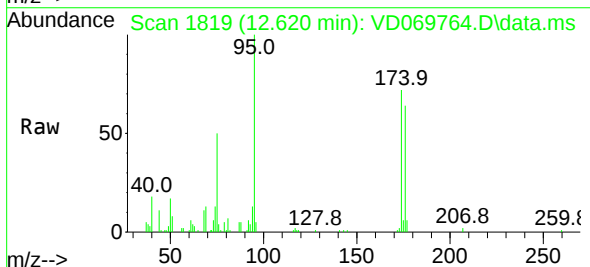
Instrument :
MSVOA_D
ClientSampleId :

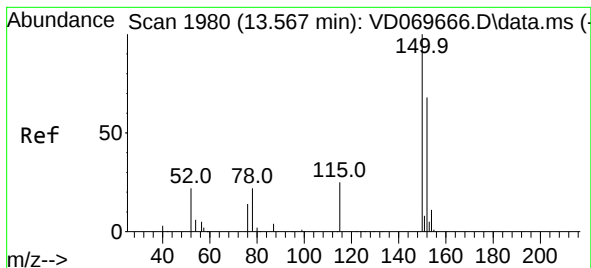
Tgt Ion:117 Resp: 103602
Ion Ratio Lower Upper
117 100
82 56.2 47.4 71.2
119 29.8 25.5 38.3



#71
Bromoform
Concen: 1.138 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD069764.D
Acq: 20 Jul 2021 12:30

Tgt Ion:173 Resp: 408
Ion Ratio Lower Upper
173 100
175 377.0 24.2 72.6#
254 0.0 0.1 0.1#

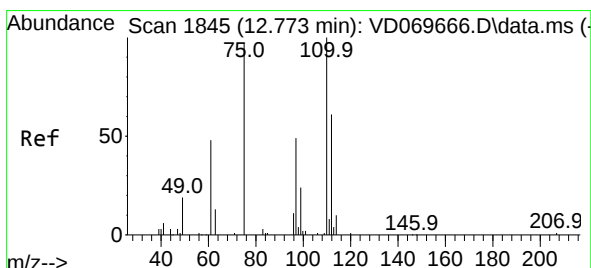
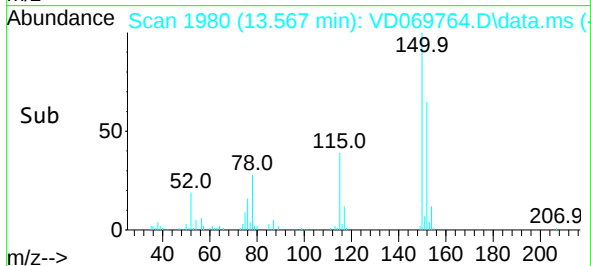
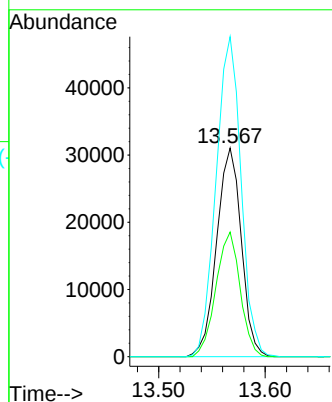
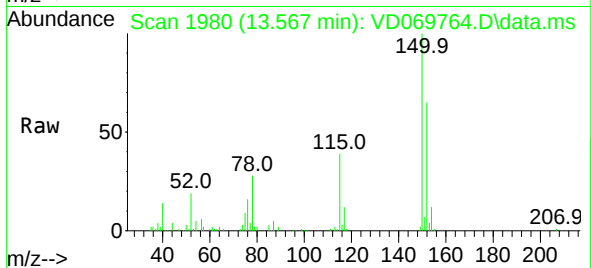




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069764.D
 Acq: 20 Jul 2021 12:30

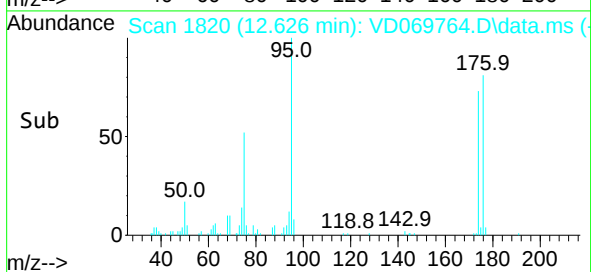
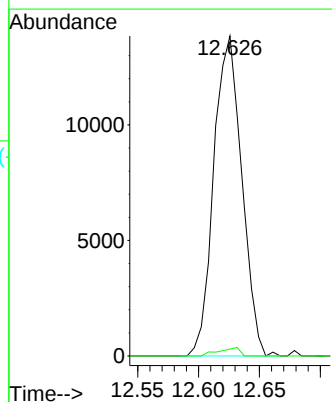
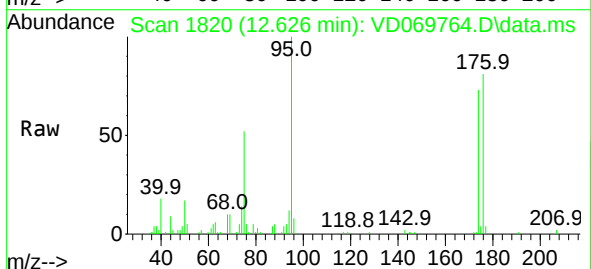
Instrument :
 MSVOA_D
 ClientSampleId :

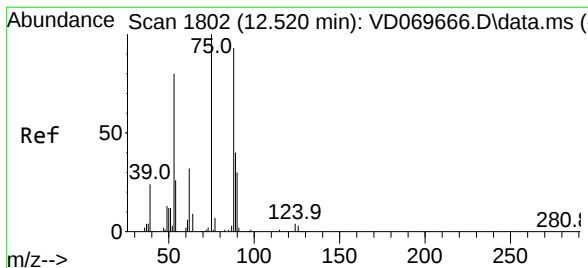
Tgt Ion:152 Resp: 49773
 Ion Ratio Lower Upper
 152 100
 115 58.8 31.7 95.1
 150 156.0 0.0 350.4



#76
 1,2,3-Trichloropropane
 Concen: 45.871 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069764.D
 Acq: 20 Jul 2021 12:30

Tgt Ion: 75 Resp: 22180
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#

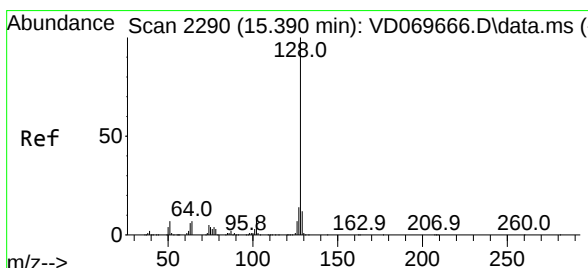
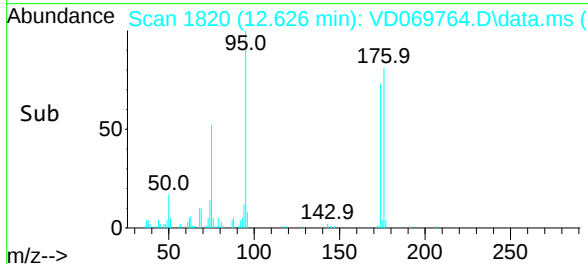
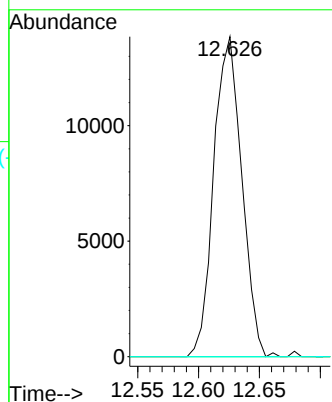
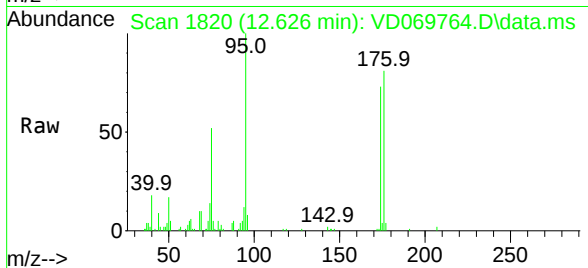




#81
trans-1,4-Dichloro-2-butene
Concen: 123.276 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069764.D
Acq: 20 Jul 2021 12:30

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 22180
Ion Ratio Lower Upper
75 100
53 0.0 70.6 106.0#
89 0.0 35.1 52.7#



#95
Naphthalene
Concen: 2.456 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069764.D
Acq: 20 Jul 2021 12:30

Tgt Ion:128 Resp: 414
Ion Ratio Lower Upper
128 100
127 20.3 10.6 16.0#
129 14.0 8.8 13.2#

