

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
 Data File : VD068170.D
 Acq On : 25 Jan 2021 15:29
 Operator : VA/SY
 Sample : M1217-01
 Misc : 1.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 26 00:09:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

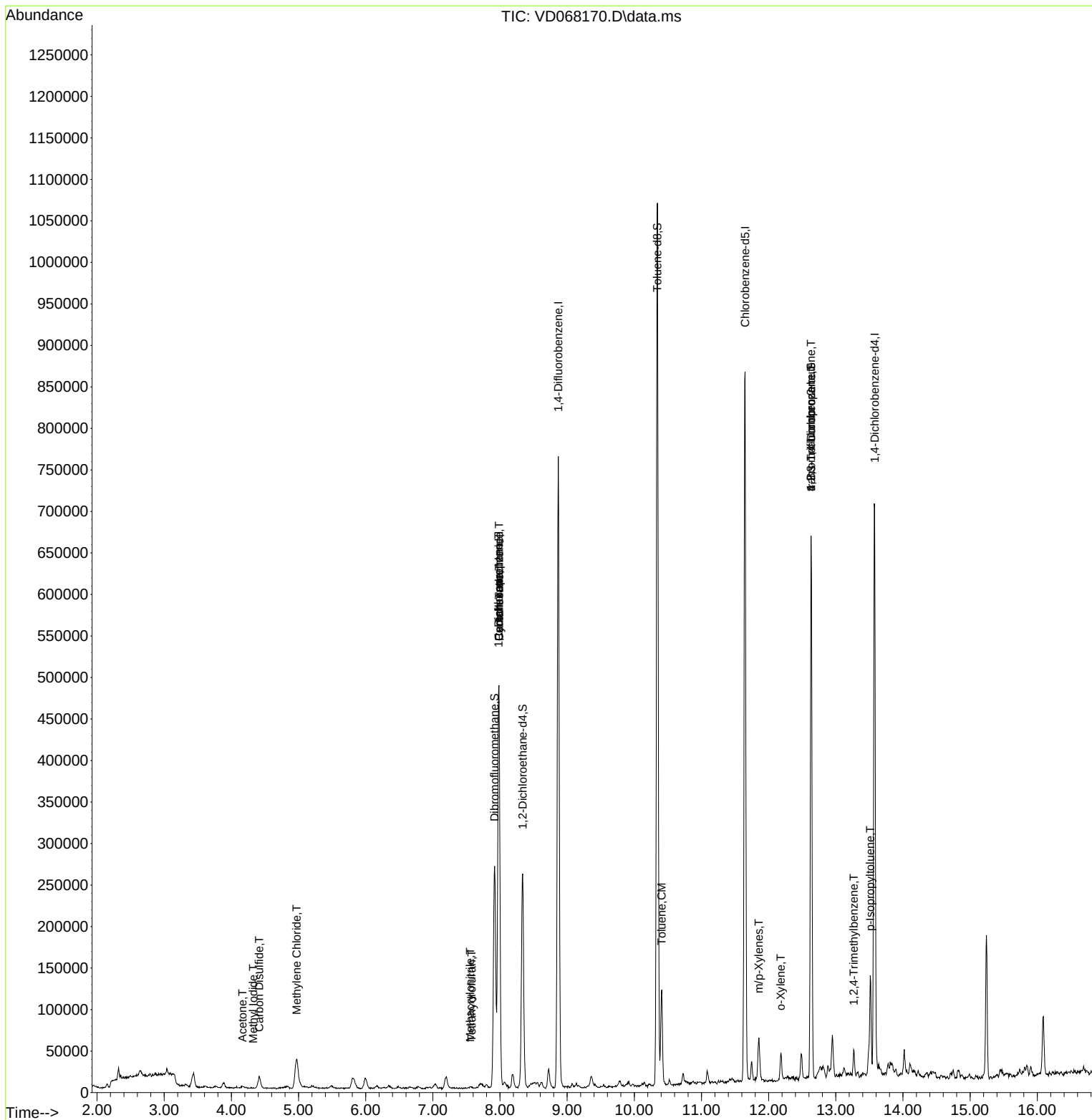
Internal Standards						
1) Pentafluorobenzene	7.985	168	367617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	662638	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	511115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	191860	50.00	ug/l	0.00

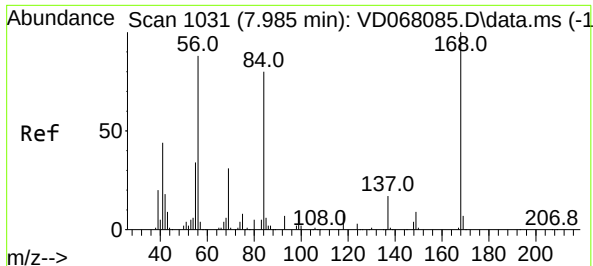
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	203440	57.85	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.70%
35) Dibromofluoromethane	7.920	113	197374	53.88	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.76%
50) Toluene-d8	10.343	98	743764	50.76	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.52%
62) 4-Bromofluorobenzene	12.632	95	219862	41.66	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.32%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.326	142	429	3.25	ug/l #	38
11) Tert butyl alcohol	5.220	59	2780	Below Cal	#	74
16) Acetone	4.167	43	3161	5.03	ug/l	98
17) Carbon Disulfide	4.414	76	27276	2.10	ug/l	99
20) Methylene Chloride	4.973	84	29431	2.94	ug/l	96
29) Tetrahydrofuran	7.579	42	694	1.13	ug/l #	32
31) Cyclohexane	7.985	56	12914	1.70	ug/l #	28
36) 1,1-Dichloropropene	7.979	75	29061	4.35	ug/l #	47
38) Carbon Tetrachloride	7.985	117	36836	5.89	ug/l #	15
41) Methacrylonitrile	7.555	41	1585	1.11	ug/l #	31
52) Toluene	10.408	92	48380	3.97	ug/l	90
68) m/p-Xylenes	11.855	106	15695	2.07	ug/l	99
69) o-Xylene	12.179	106	8234	1.17	ug/l	86
76) 1,2,3-Trichloropropane	12.632	75	110967	59.82	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	110967	121.04	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.267	105	18753	1.42	ug/l	98
86) p-Isopropyltoluene	13.514	119	67773	4.73	ug/l	96

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

Quant Time: Jan 26 00:09:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
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Response via : Initial Calibration

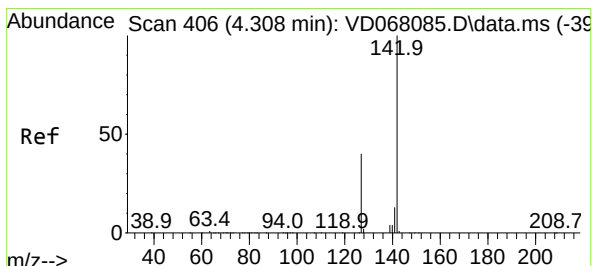
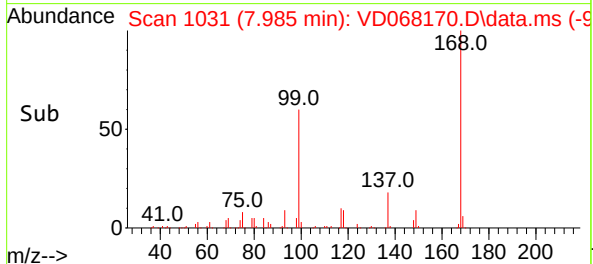
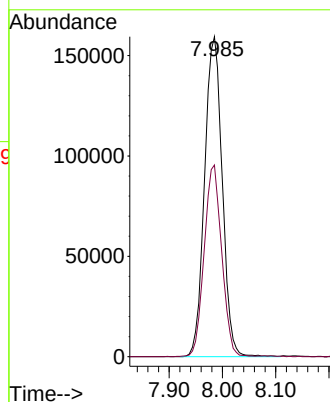
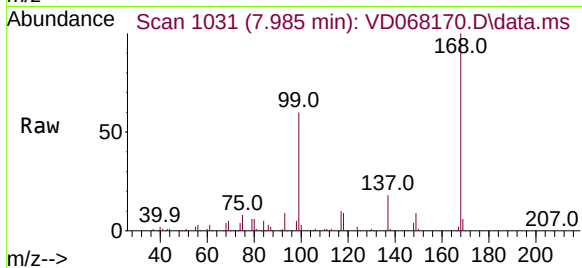




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068170.D
Acq: 25 Jan 2021 15:29

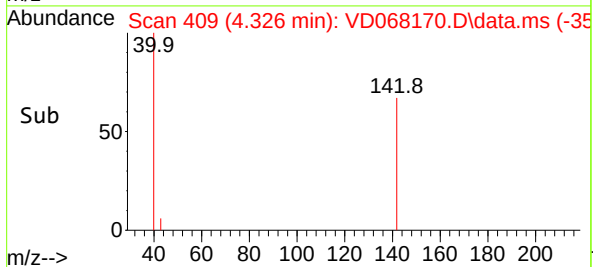
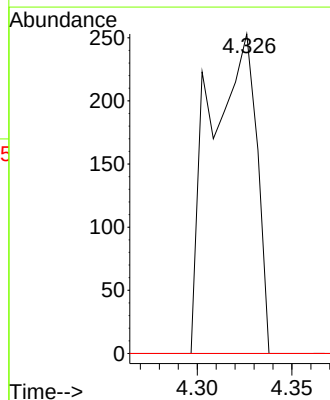
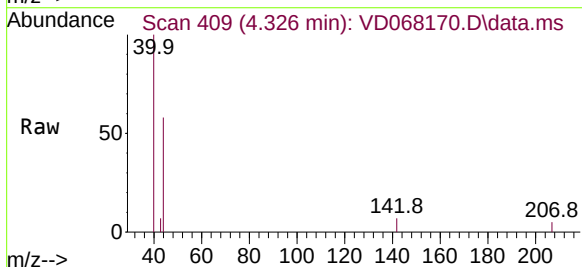
Instrument :
MSVOA_D
ClientSampleId :

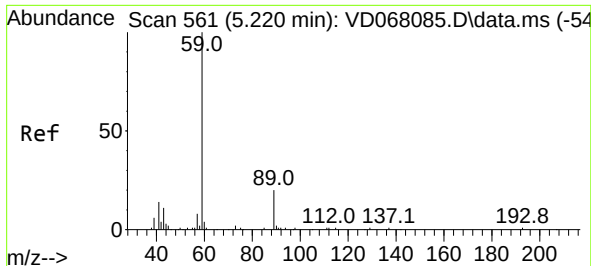
Tgt Ion:168 Resp: 367617
Ion Ratio Lower Upper
168 100
99 59.8 43.5 65.3



#10
Methyl Iodide
Concen: 3.25 ug/l
RT: 4.326 min Scan# 409
Delta R.T. 0.018 min
Lab File: VD068170.D
Acq: 25 Jan 2021 15:29

Tgt Ion:142 Resp: 429
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#



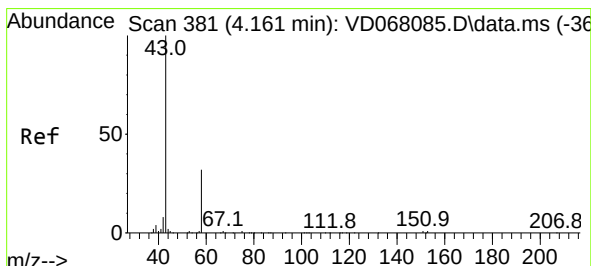
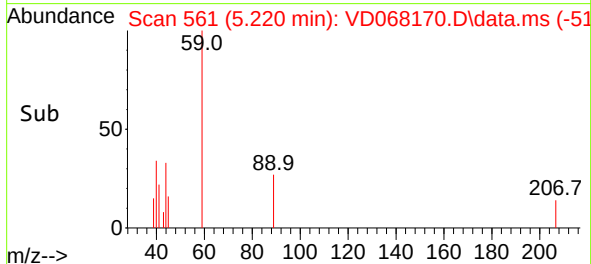
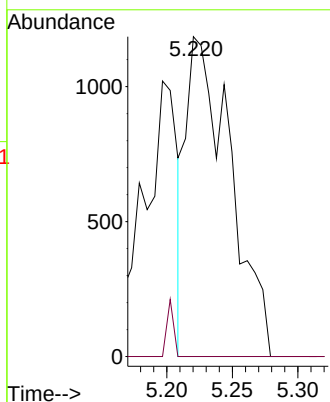
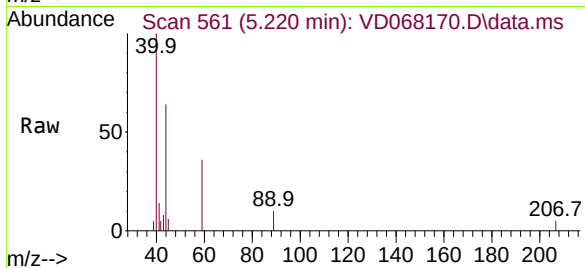


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD068170.D
Acq: 25 Jan 2021 15:29

Instrument :
MSVOA_D
ClientSampleId :

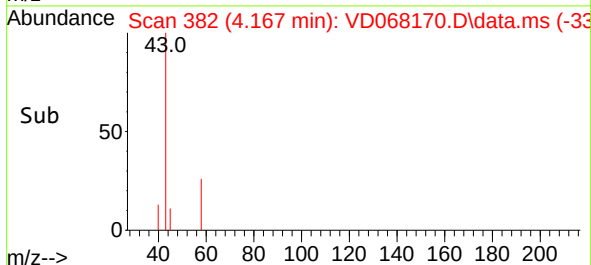
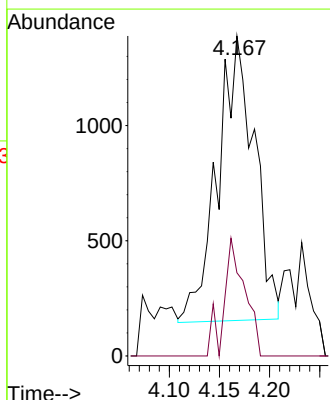
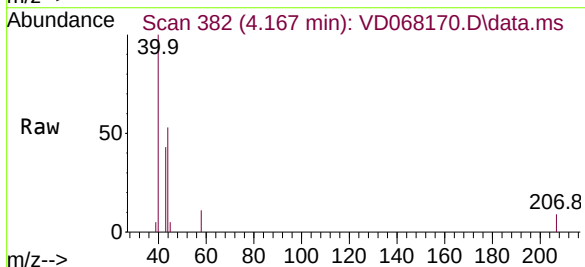
Tgt Ion: 59 Resp: 2780
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

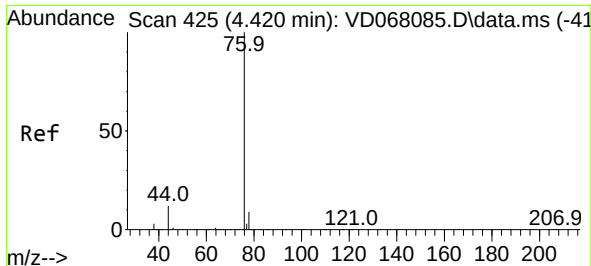


#16

Acetone
Concen: 5.03 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068170.D
Acq: 25 Jan 2021 15:29

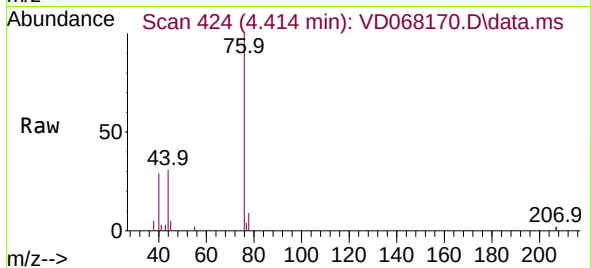
Tgt Ion: 43 Resp: 3161
Ion Ratio Lower Upper
43 100
58 29.4 24.2 36.4



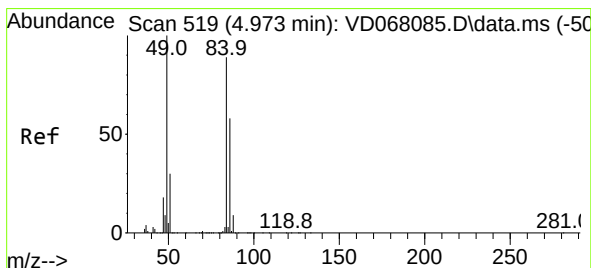
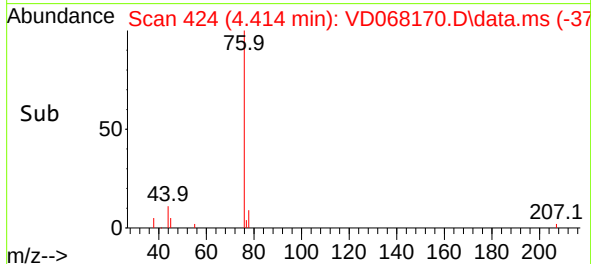
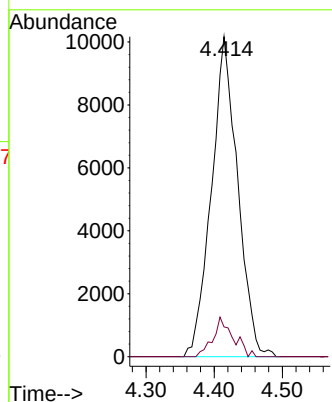


#17
Carbon Disulfide
Concen: 2.10 ug/l
RT: 4.414 min Scan# 424
Delta R.T. -0.006 min
Lab File: VD068170.D
Acq: 25 Jan 2021 15:29

Instrument :
MSVOA_D
ClientSampled :

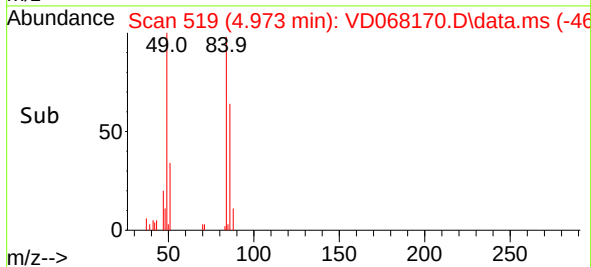
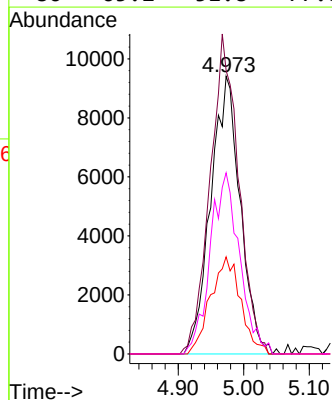
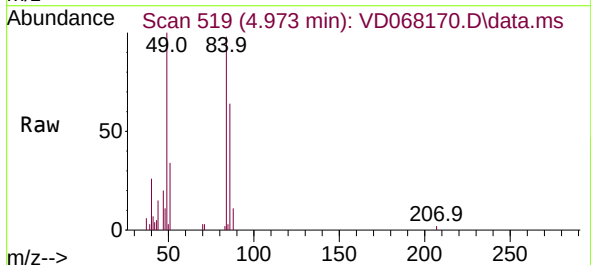


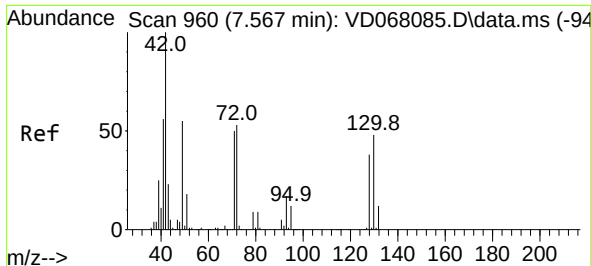
Tgt Ion: 76 Resp: 27276
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#20
Methylene Chloride
Concen: 2.94 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068170.D
Acq: 25 Jan 2021 15:29

Tgt Ion: 84 Resp: 29431
Ion Ratio Lower Upper
84 100
49 102.2 77.4 116.2
51 35.0 26.1 39.1
86 65.2 51.8 77.8





#29

Tetrahydrofuran

Concen: 1.13 ug/l

RT: 7.579 min Scan# 962

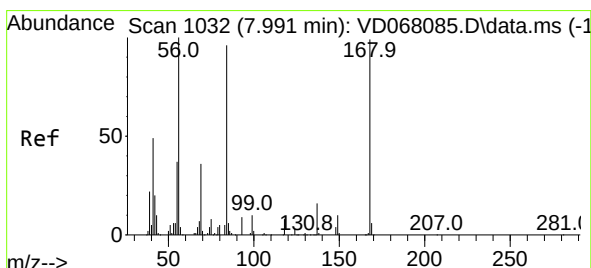
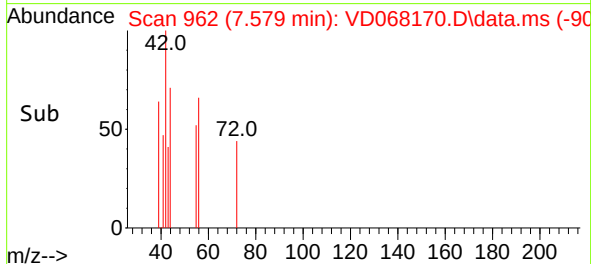
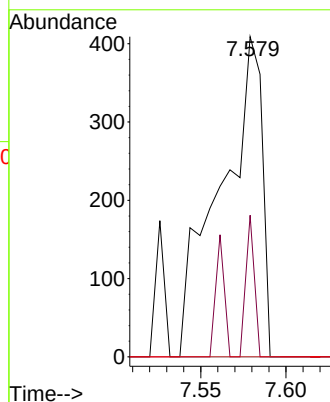
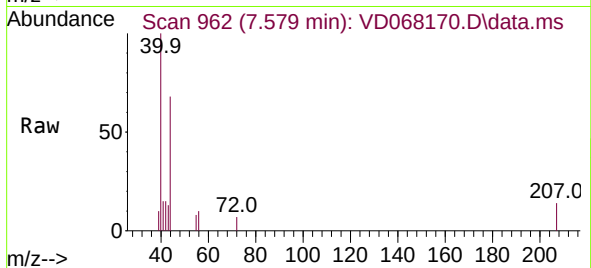
Delta R.T. 0.012 min

Lab File: VD068170.D

Acq: 25 Jan 2021 15:29

Tgt Ion:	42	Resp:	694
Ion	Ratio	Lower	Upper
42	100		
72	9.2	43.4	65.0#
71	0.0	40.8	61.2#

Instrument :
MSVOA_D
ClientSampled :



#31

Cyclohexane

Concen: 1.70 ug/l

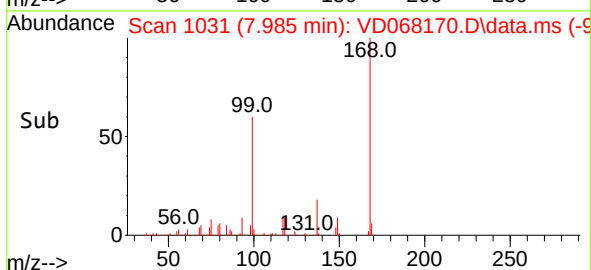
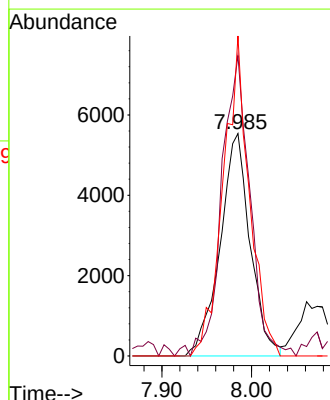
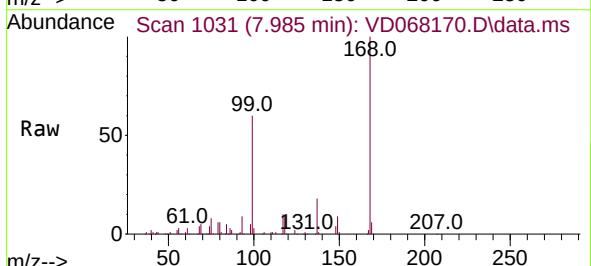
RT: 7.985 min Scan# 1031

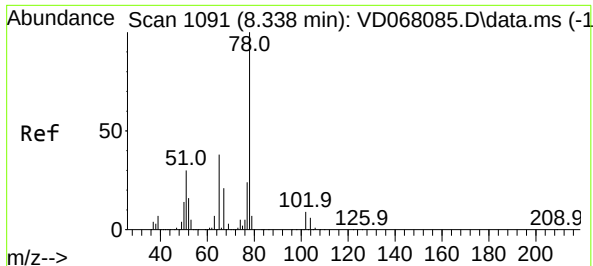
Delta R.T. -0.006 min

Lab File: VD068170.D

Acq: 25 Jan 2021 15:29

Tgt Ion:	56	Resp:	12914
Ion	Ratio	Lower	Upper
56	100		
69	131.9	30.1	45.1#
84	143.9	82.1	123.1#

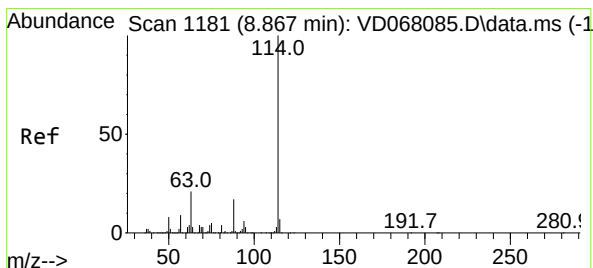
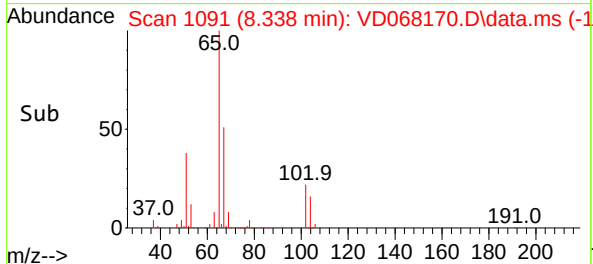
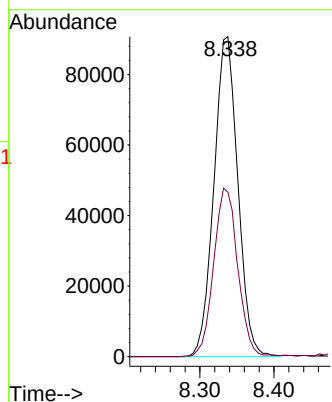
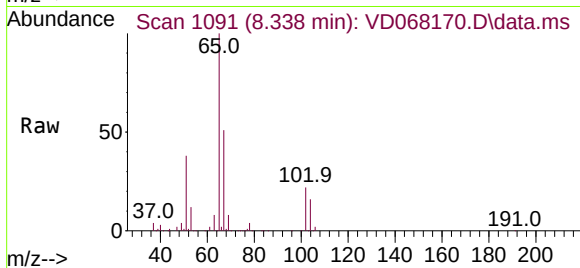




#33
1,2-Dichloroethane-d4
Concen: 57.85 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068170.D
Acq: 25 Jan 2021 15:29

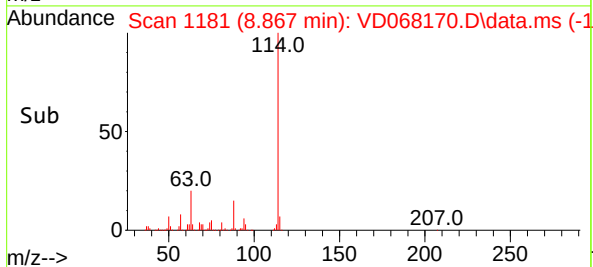
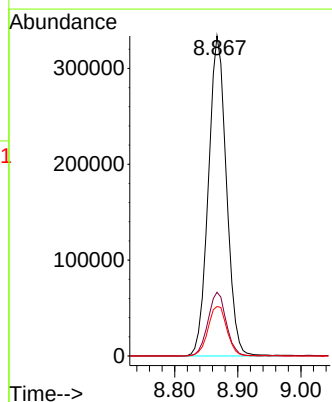
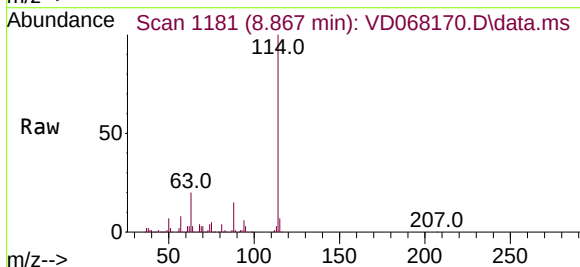
Instrument :
MSVOA_D
ClientSampleId :

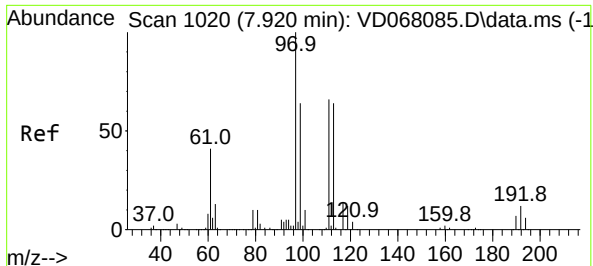
Tgt Ion: 65 Resp: 203440
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068170.D
Acq: 25 Jan 2021 15:29

Tgt Ion: 114 Resp: 662638
Ion Ratio Lower Upper
114 100
63 19.9 0.0 34.8
88 15.5 0.0 31.6

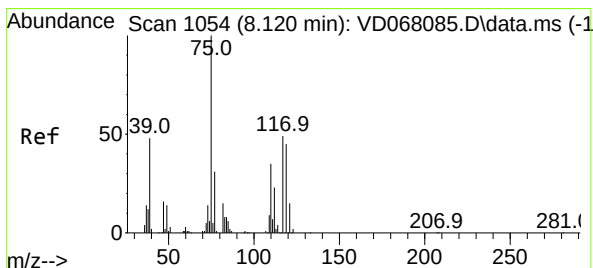
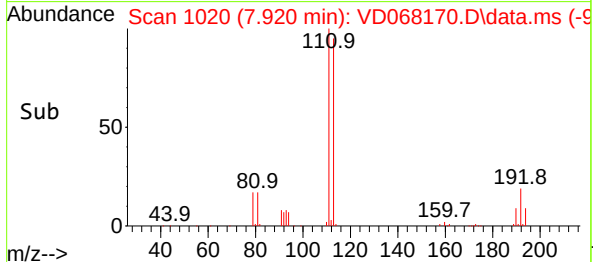
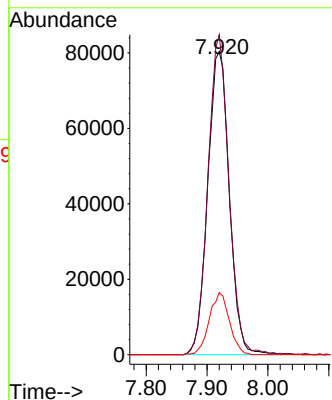
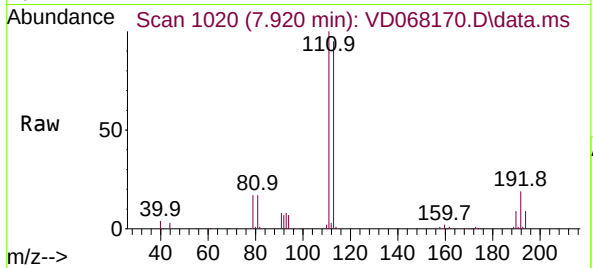




#35
Dibromofluoromethane
Concen: 53.88 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068170.D
Acq: 25 Jan 2021 15:29

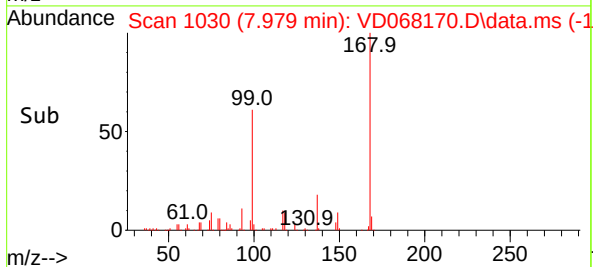
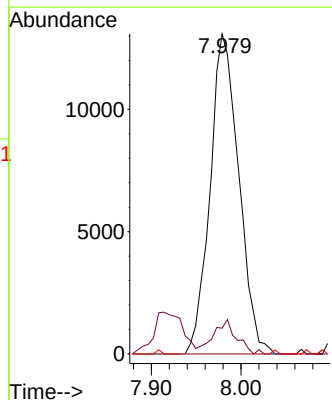
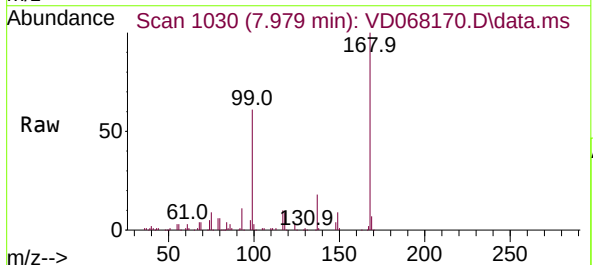
Instrument :
MSVOA_D
ClientSampleId :

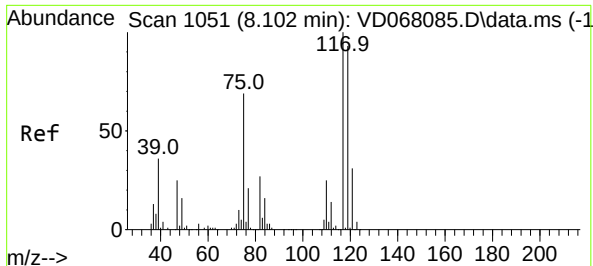
Tgt Ion:113 Resp: 197374
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.0
192 19.1 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.35 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.141 min
Lab File: VD068170.D
Acq: 25 Jan 2021 15:29

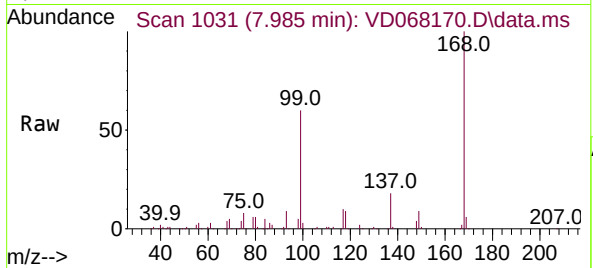
Tgt Ion: 75 Resp: 29061
Ion Ratio Lower Upper
75 100
110 8.7 19.4 58.2#
77 0.0 25.3 37.9#



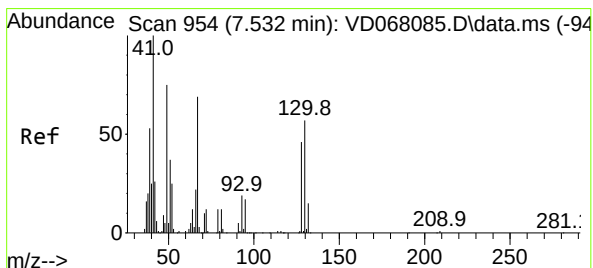
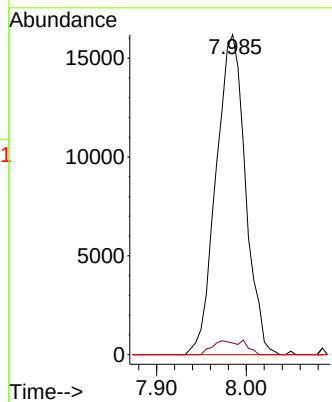
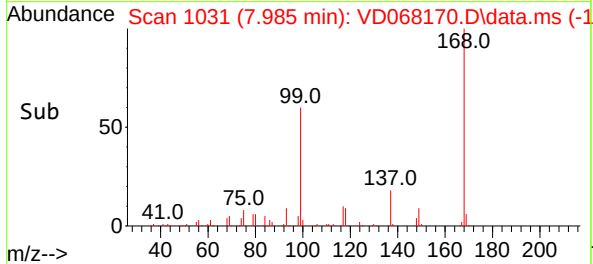


#38
Carbon Tetrachloride
Concen: 5.89 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.118 min
Lab File: VD068170.D
Acq: 25 Jan 2021 15:29

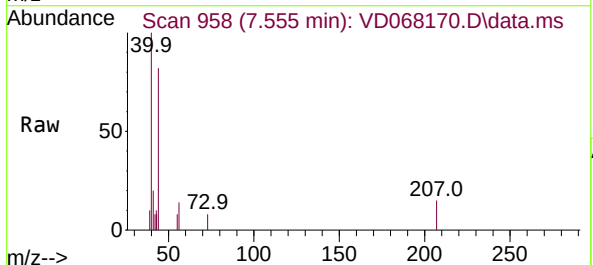
Instrument :
MSVOA_D
ClientSampleId :



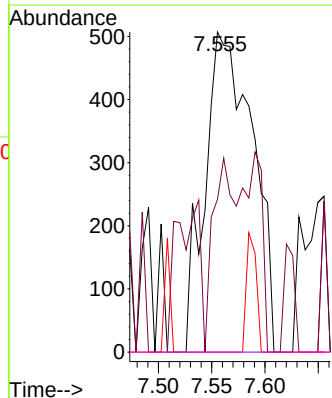
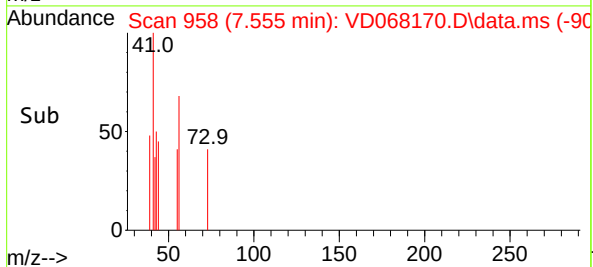
Tgt Ion:117 Resp: 36836
Ion Ratio Lower Upper
117 100
119 3.7 77.3 115.9#
121 0.0 24.7 37.1#

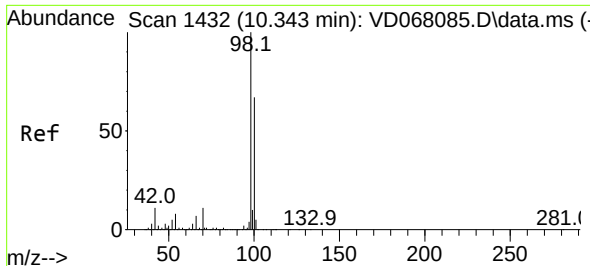


#41
Methacrylonitrile
Concen: 1.11 ug/l
RT: 7.555 min Scan# 958
Delta R.T. 0.023 min
Lab File: VD068170.D
Acq: 25 Jan 2021 15:29



Tgt Ion: 41 Resp: 1585
Ion Ratio Lower Upper
41 100
39 27.7 45.2 67.8#
67 0.0 67.4 101.2#
52 0.0 27.5 41.3#

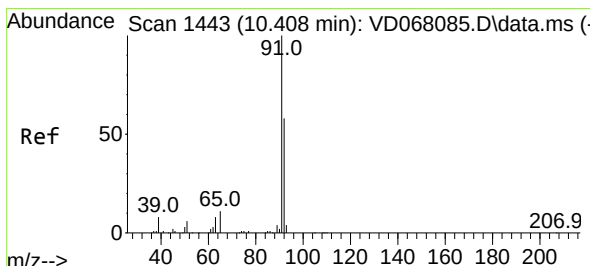
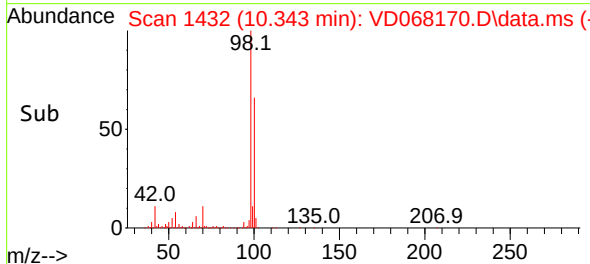
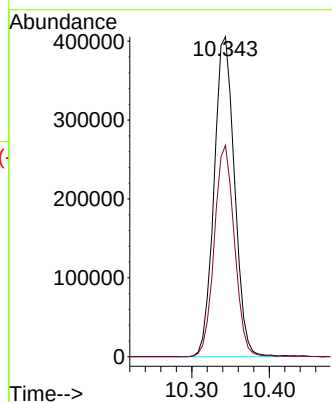
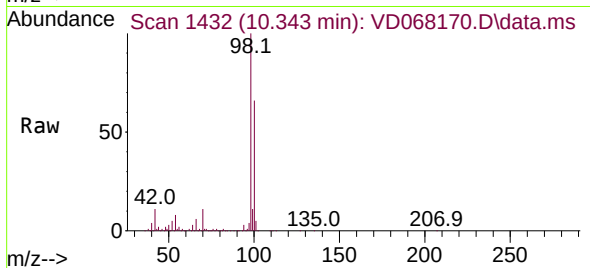




#50
Toluene-d8
Concen: 50.76 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068170.D
Acq: 25 Jan 2021 15:29

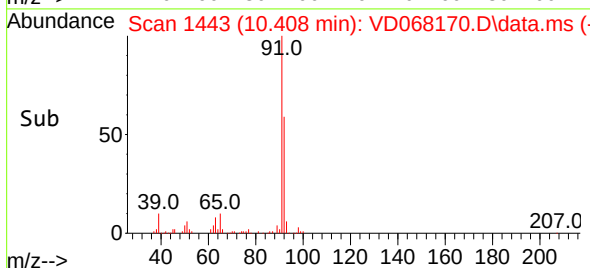
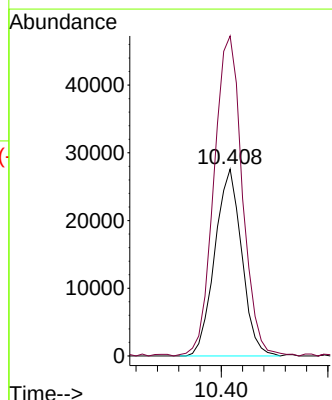
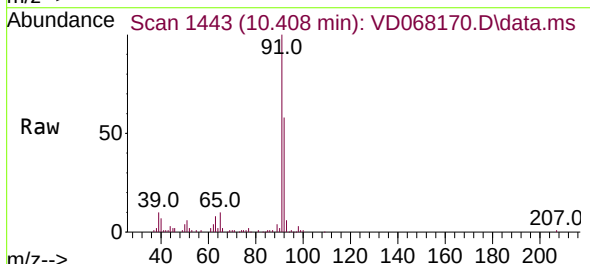
Instrument :
MSVOA_D
ClientSampled :

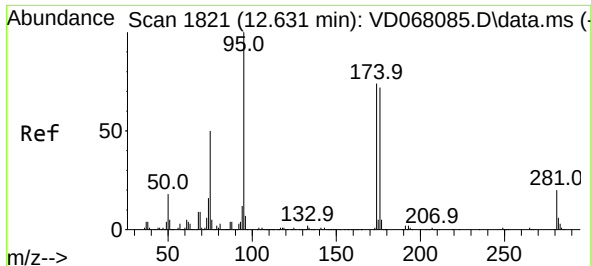
Tgt Ion: 98 Resp: 743764
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.4



#52
Toluene
Concen: 3.97 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VD068170.D
Acq: 25 Jan 2021 15:29

Tgt Ion: 92 Resp: 48380
Ion Ratio Lower Upper
92 100
91 180.8 134.1 201.1

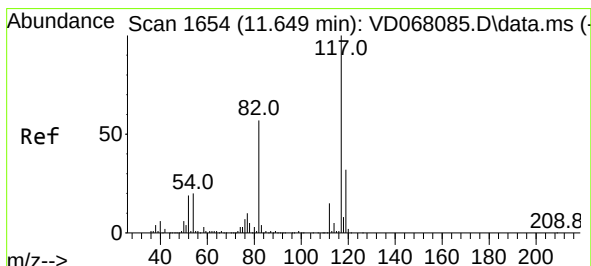
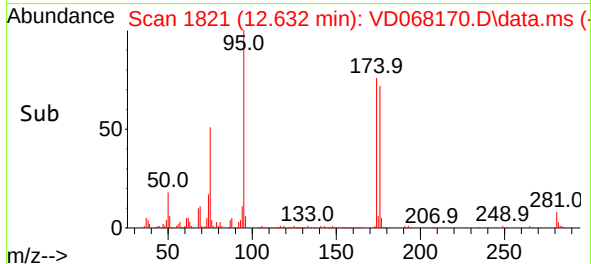
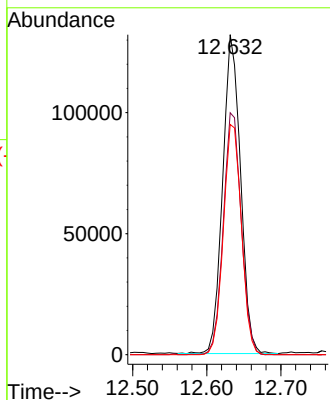
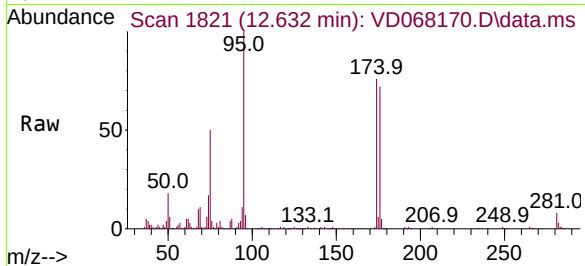




#62
4-Bromofluorobenzene
Concen: 41.66 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068170.D
Acq: 25 Jan 2021 15:29

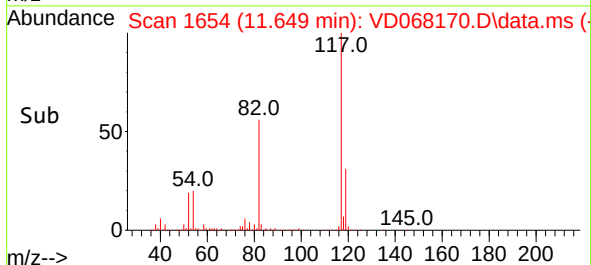
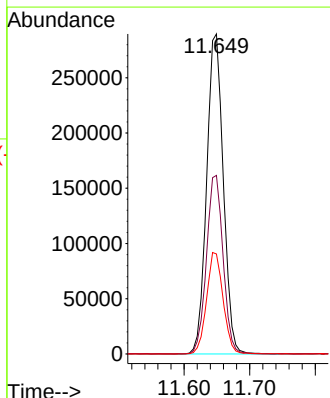
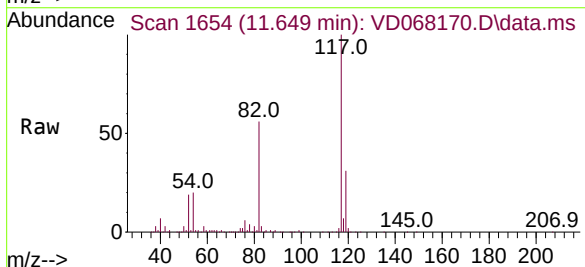
Instrument :
MSVOA_D
ClientSampled :

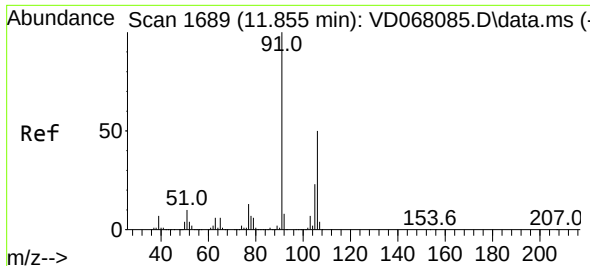
Tgt Ion: 95 Resp: 219862
Ion Ratio Lower Upper
95 100
174 76.6 0.0 172.4
176 73.0 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068170.D
Acq: 25 Jan 2021 15:29

Tgt Ion: 117 Resp: 511115
Ion Ratio Lower Upper
117 100
82 55.7 41.4 62.0
119 31.2 26.1 39.1

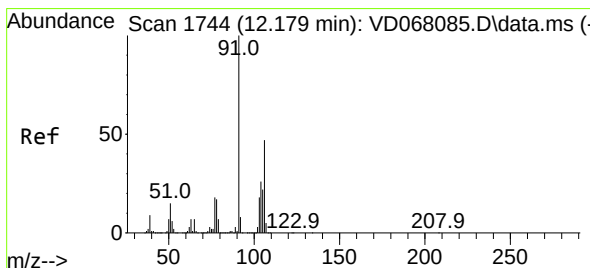
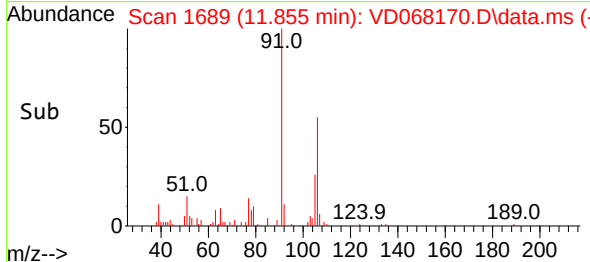
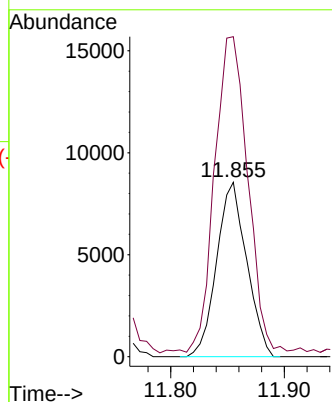
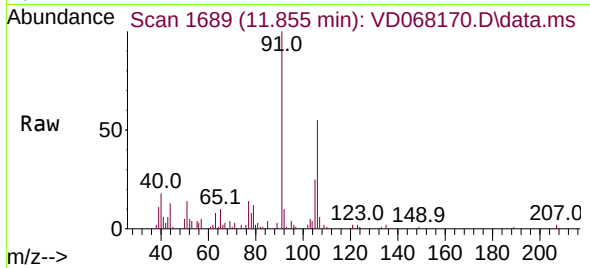




#68
m/p-Xylenes
Concen: 2.07 ug/l
RT: 11.855 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VD068170.D
Acq: 25 Jan 2021 15:29

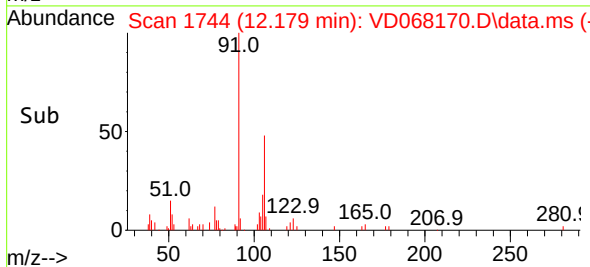
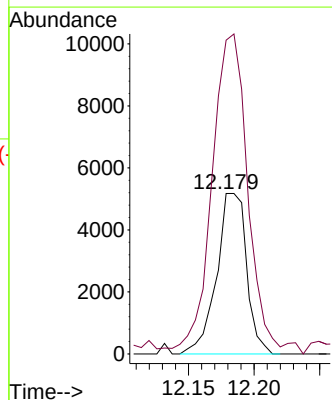
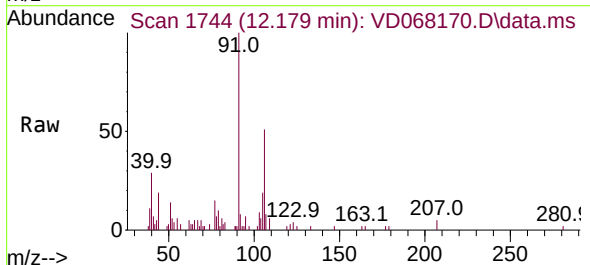
Instrument :
MSVOA_D
ClientSampled :

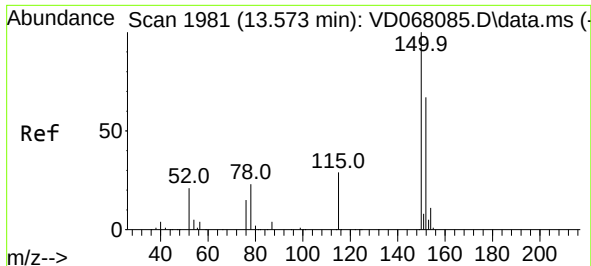
Tgt Ion:106 Resp: 15695
Ion Ratio Lower Upper
106 100
91 197.3 159.1 238.7



#69
o-Xylene
Concen: 1.17 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD068170.D
Acq: 25 Jan 2021 15:29

Tgt Ion:106 Resp: 8234
Ion Ratio Lower Upper
106 100
91 239.3 108.7 325.9

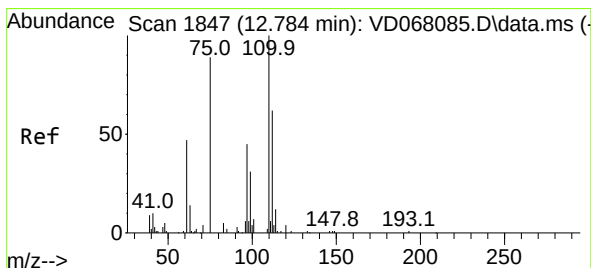
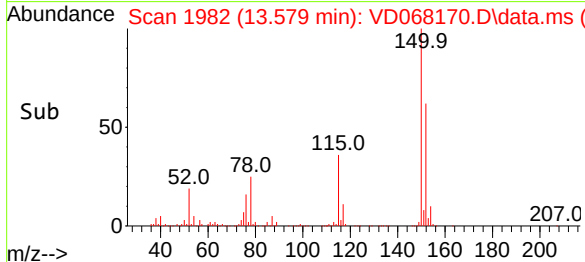
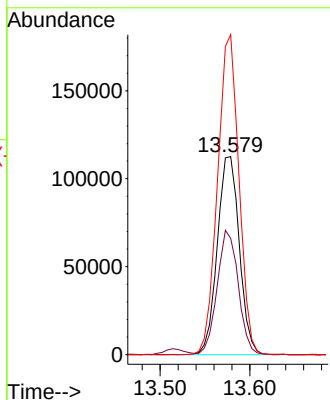
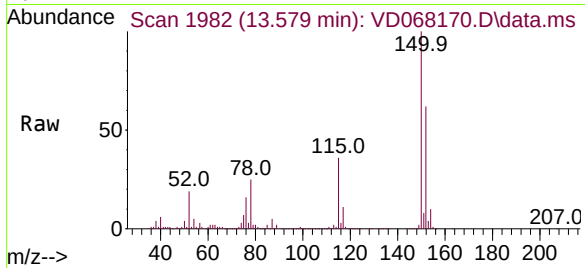




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.579 min Scan# 1982
 Delta R.T. 0.006 min
 Lab File: VD068170.D
 Acq: 25 Jan 2021 15:29

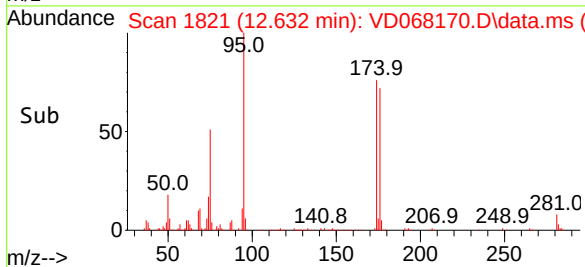
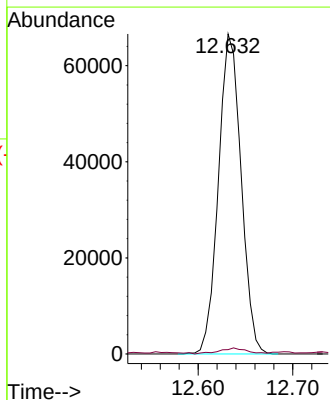
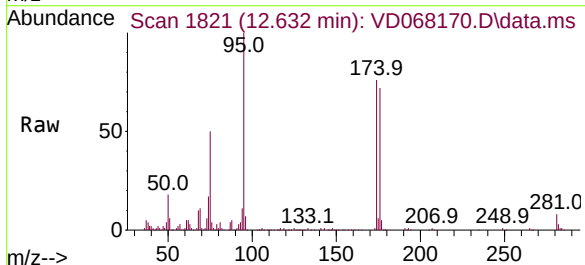
Instrument :
 MSVOA_D
 ClientSampled :

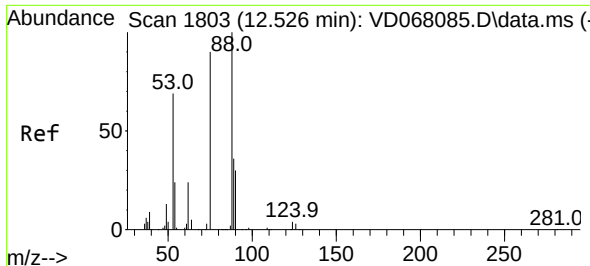
Tgt Ion:152 Resp: 191860
 Ion Ratio Lower Upper
 152 100
 115 60.3 28.9 86.8
 150 156.8 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 59.82 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.153 min
 Lab File: VD068170.D
 Acq: 25 Jan 2021 15:29

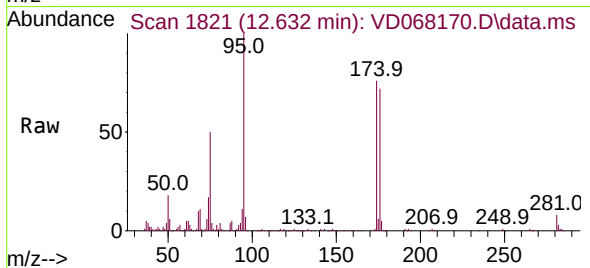
Tgt Ion: 75 Resp: 110967
 Ion Ratio Lower Upper
 75 100
 77 2.3 0.0 0.0#



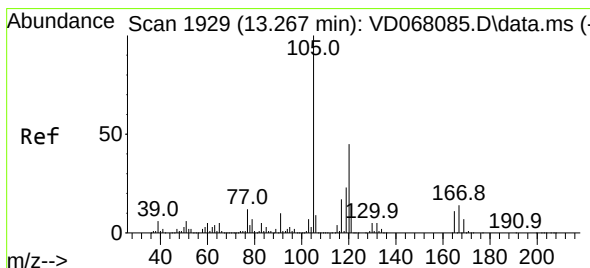
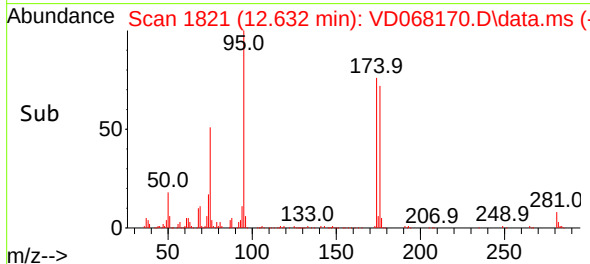
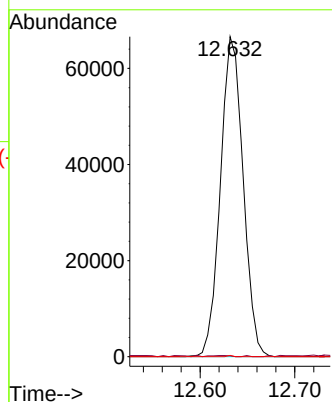


#81
trans-1,4-Dichloro-2-butene
Concen: 121.04 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068170.D
Acq: 25 Jan 2021 15:29

Instrument :
MSVOA_D
ClientSampled :

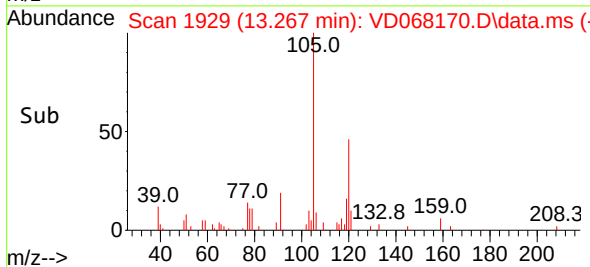
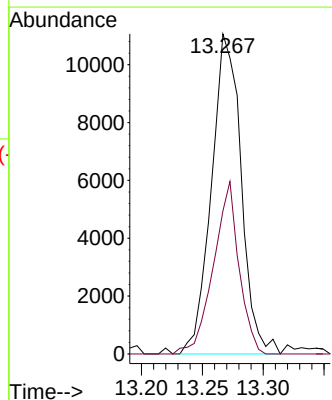
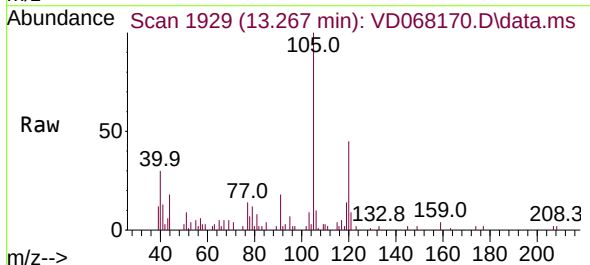


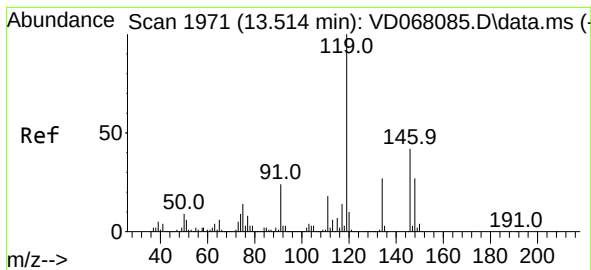
Tgt Ion: 75 Resp: 110967
Ion Ratio Lower Upper
75 100
53 0.3 70.2 105.2#
89 0.1 40.3 60.5#



#84
1,2,4-Trimethylbenzene
Concen: 1.42 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068170.D
Acq: 25 Jan 2021 15:29

Tgt Ion: 105 Resp: 18753
Ion Ratio Lower Upper
105 100
120 46.3 22.4 67.0





#86
 p-Isopropyltoluene
 Concen: 4.73 ug/l
 RT: 13.514 min Scan# 1971
 Delta R.T. 0.000 min
 Lab File: VD068170.D
 Acq: 25 Jan 2021 15:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:119 Resp: 67773

Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.9	38.7
91	27.1	11.7	35.0

