

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033021\
 Data File : VD068725.D
 Acq On : 30 Mar 2021 13:38
 Operator : VA/SY
 Sample : M1828-05RE
 Misc : 6.76G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 31 01:01:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	497797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	882255	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	890760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	441551	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	238184	47.45	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.90%
35) Dibromofluoromethane	7.920	113	269981	49.18	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.36%
50) Toluene-d8	10.338	98	1090316	51.52	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.04%
62) 4-Bromofluorobenzene	12.626	95	409789	59.72	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	119.44%

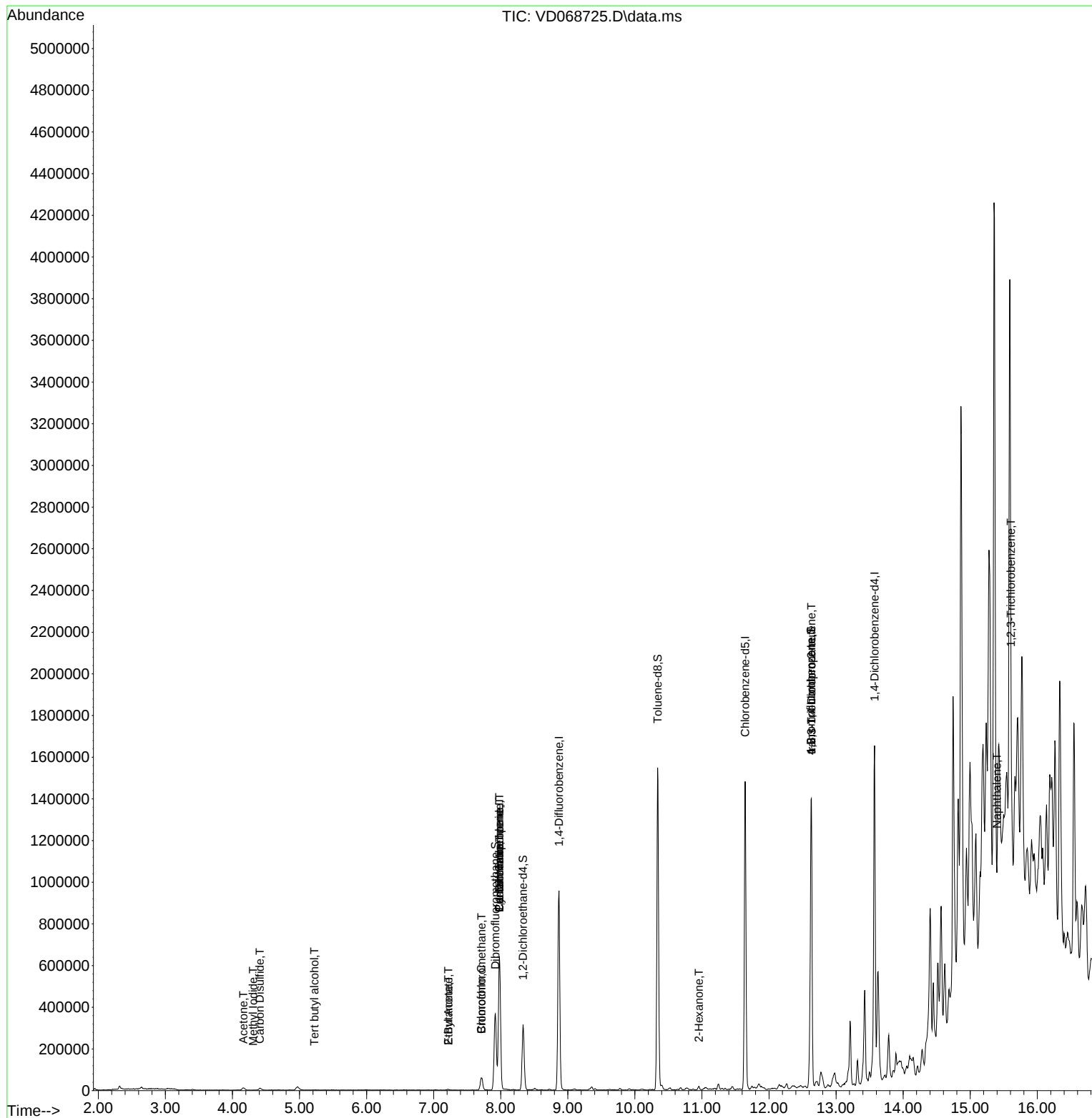
Target Compounds						Qvalue
10) Methyl Iodide	4.309	142	262	3.52	ug/l #	67
11) Tert butyl alcohol	5.220	59	1341	5.80	ug/l #	73
16) Acetone	4.162	43	21441	35.21	ug/l #	81
17) Carbon Disulfide	4.409	76	19359	1.53	ug/l	96
20) Methylene Chloride	4.967	84	13585	Below Cal	#	79
25) 2-Butanone	7.220	43	4311	4.27	ug/l	92
28) Bromochloromethane	7.714	49	4696	1.33	ug/l #	5
30) Chloroform	7.709	83	61469	6.35	ug/l	95
31) Cyclohexane	7.979	56	11207	1.38	ug/l #	29
36) 1,1-Dichloropropene	7.979	75	37353	4.74	ug/l #	50
37) Ethyl Acetate	7.220	43	4311	1.73	ug/l #	79
38) Carbon Tetrachloride	7.979	117	47489	6.04	ug/l #	17
59) 2-Hexanone	10.955	43	5927	3.55	ug/l #	19
76) 1,2,3-Trichloropropane	12.632	75	204598	55.67	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	204598	126.66	ug/l #	16
95) Naphthalene	15.396	128	73630	5.37	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.608	180	12759	1.91	ug/l #	26

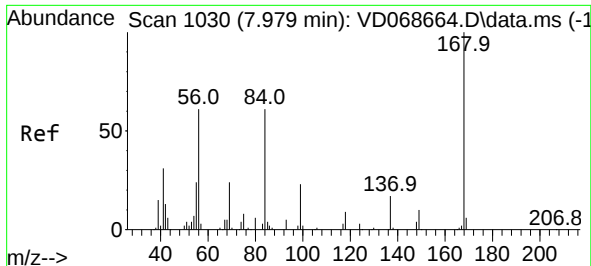
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Mar 20 02:00:55 2021
Response via : Initial Calibration

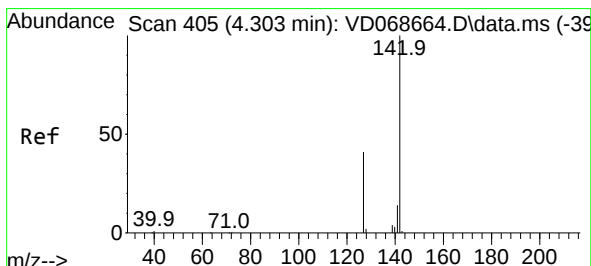
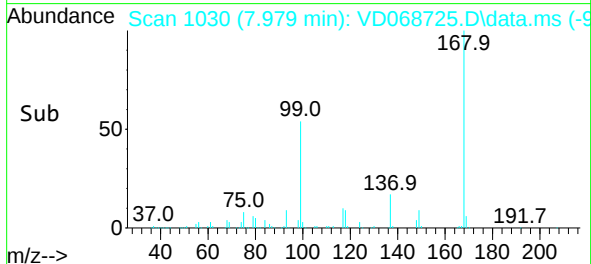
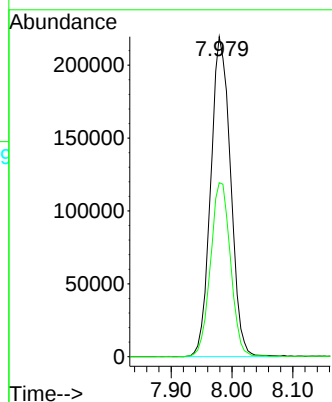
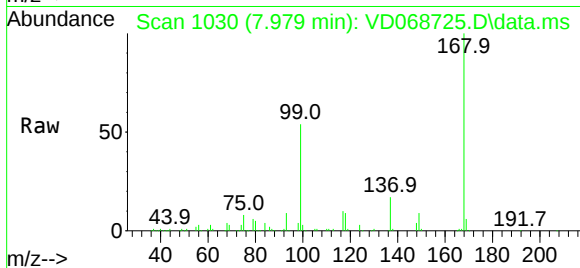




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD068725.D
Acq: 30 Mar 2021 13:38

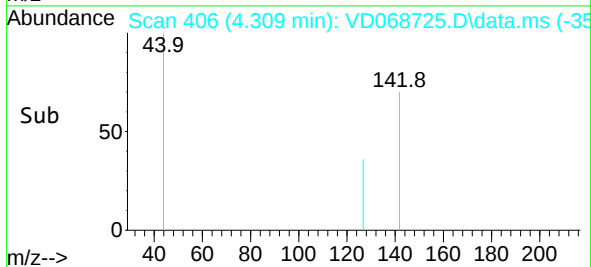
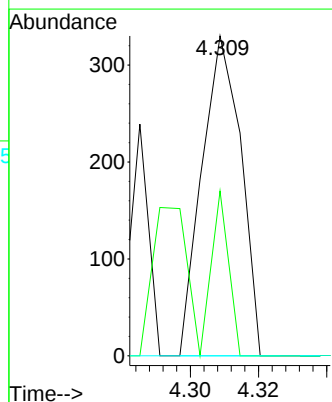
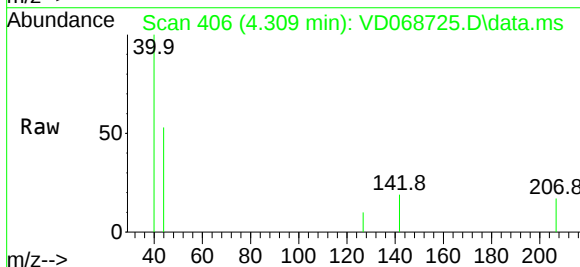
Instrument :
MSVOA_D
ClientSampleId :

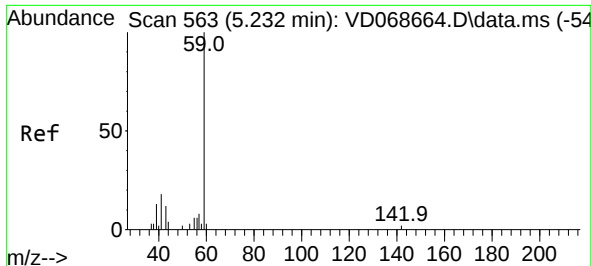
Tgt Ion:168 Resp: 497797
Ion Ratio Lower Upper
168 100
99 54.3 46.2 69.2



#10
Methyl Iodide
Concen: 3.52 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD068725.D
Acq: 30 Mar 2021 13:38

Tgt Ion:142 Resp: 262
Ion Ratio Lower Upper
142 100
127 64.1 34.7 52.1#
141 0.0 11.0 16.4#



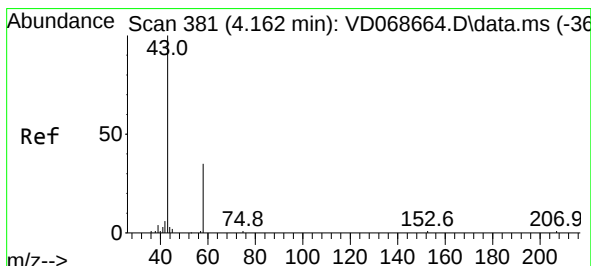
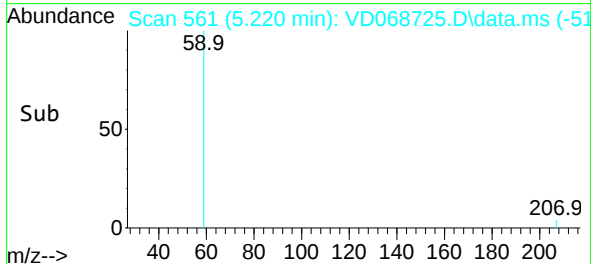
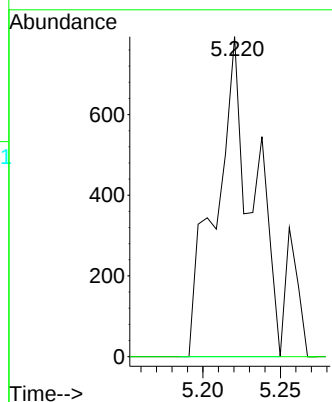
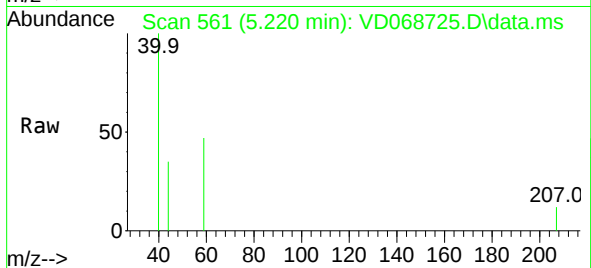


#11

Tert butyl alcohol
Concen: 5.80 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.012 min
Lab File: VD068725.D
Acq: 30 Mar 2021 13:38

Instrument :
MSVOA_D
ClientSampled :

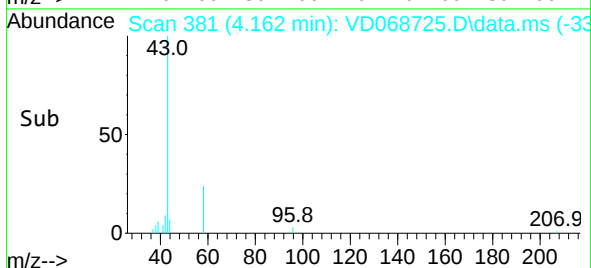
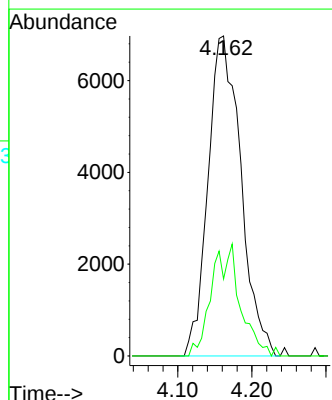
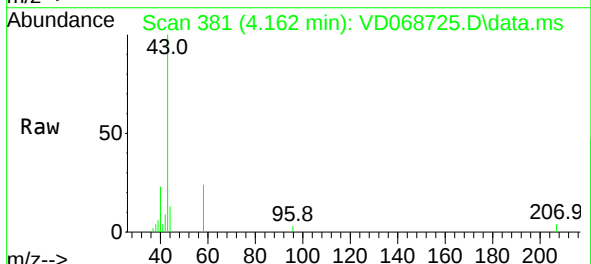
Tgt Ion: 59 Resp: 1341
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

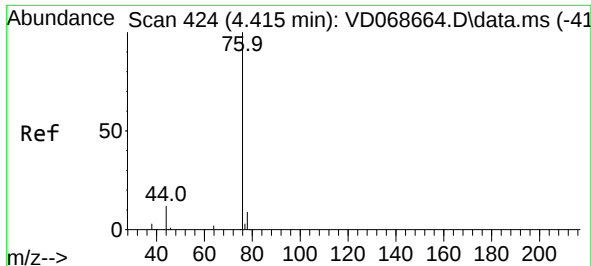


#16

Acetone
Concen: 35.21 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068725.D
Acq: 30 Mar 2021 13:38

Tgt Ion: 43 Resp: 21441
Ion Ratio Lower Upper
43 100
58 24.0 28.0 42.0#

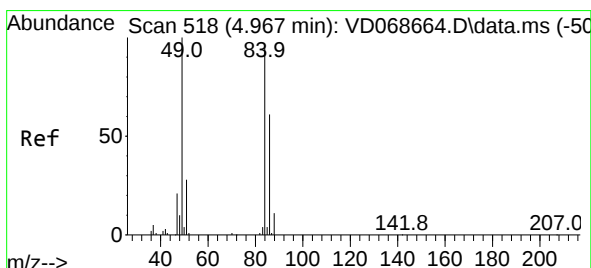
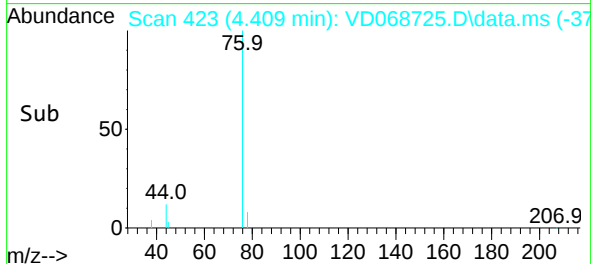
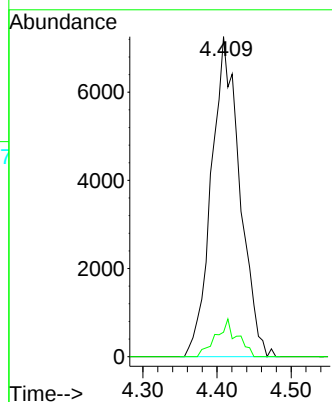
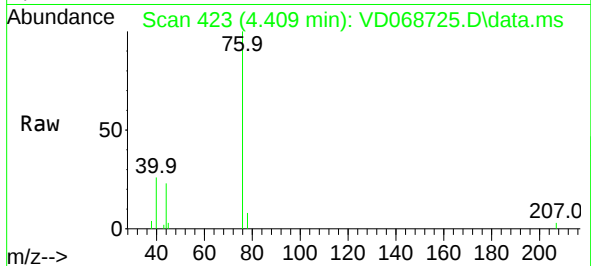




#17
Carbon Disulfide
Concen: 1.53 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.006 min
Lab File: VD068725.D
Acq: 30 Mar 2021 13:38

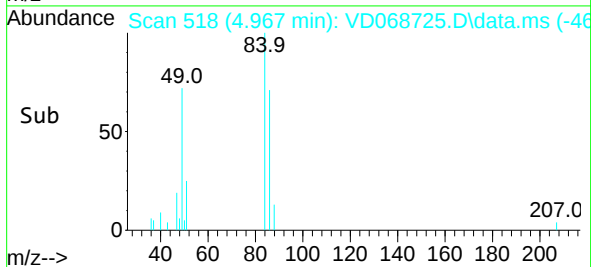
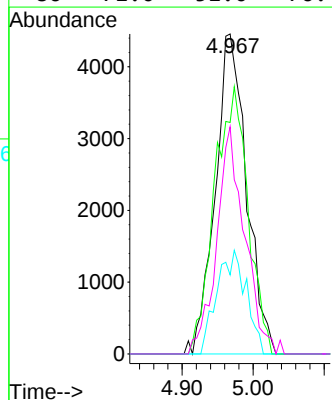
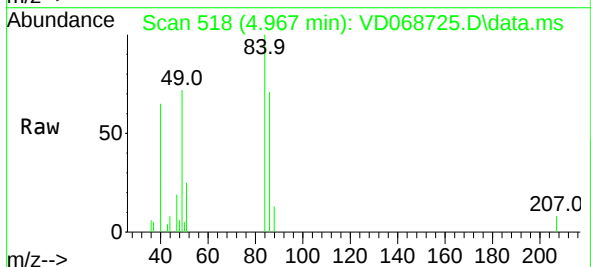
Instrument :
MSVOA_D
ClientSampleId :

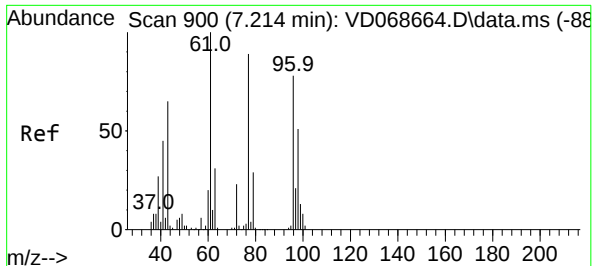
Tgt Ion: 76 Resp: 19359
Ion Ratio Lower Upper
76 100
78 7.7 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD068725.D
Acq: 30 Mar 2021 13:38

Tgt Ion: 84 Resp: 13585
Ion Ratio Lower Upper
84 100
49 72.3 83.4 125.0#
51 24.7 23.4 35.2
86 71.0 51.0 76.4

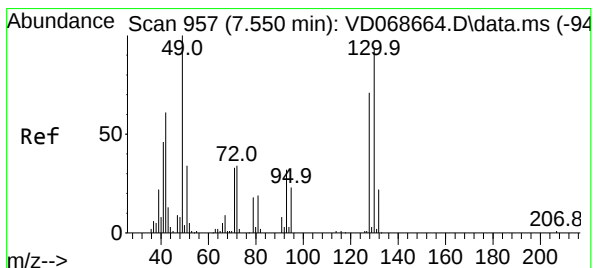
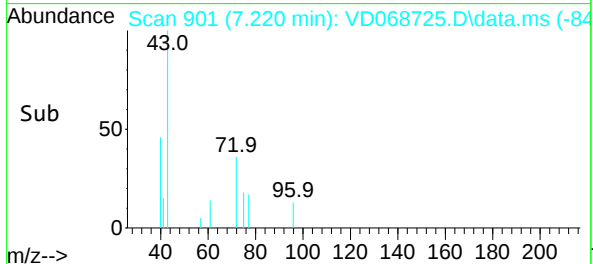
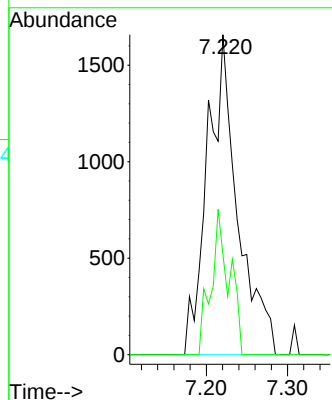
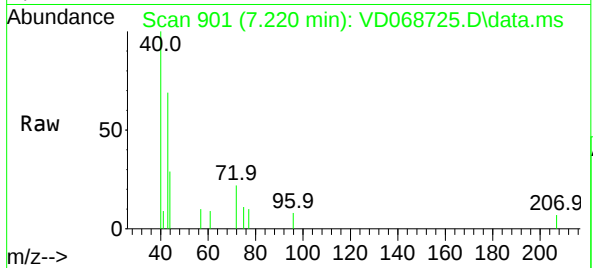




#25
2-Butanone
Concen: 4.27 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD068725.D
Acq: 30 Mar 2021 13:38

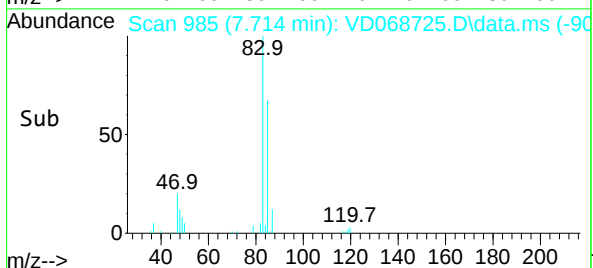
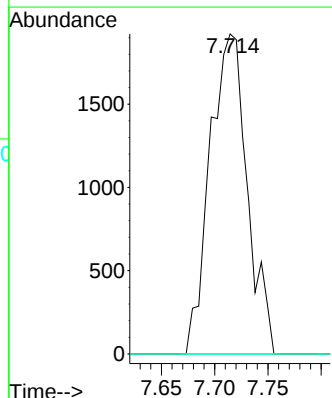
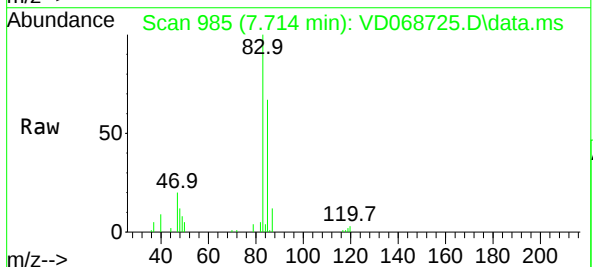
Instrument :
MSVOA_D
ClientSampleId :

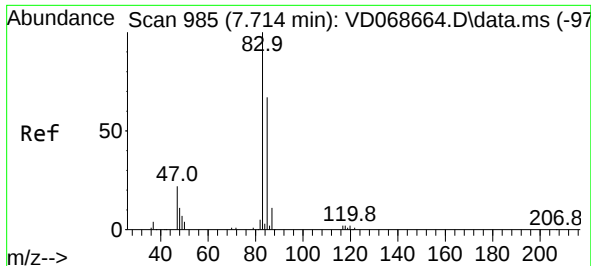
Tgt Ion: 43 Resp: 4311
Ion Ratio Lower Upper
43 100
72 31.4 28.6 43.0



#28
Bromochloromethane
Concen: 1.33 ug/l
RT: 7.714 min Scan# 985
Delta R.T. 0.165 min
Lab File: VD068725.D
Acq: 30 Mar 2021 13:38

Tgt Ion: 49 Resp: 4696
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.2
130 0.0 74.6 112.0#





#30

Chloroform

Concen: 6.35 ug/l

RT: 7.709 min Scan# 984

Delta R.T. -0.006 min

Lab File: VD068725.D

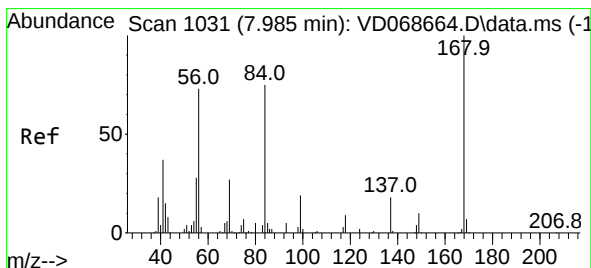
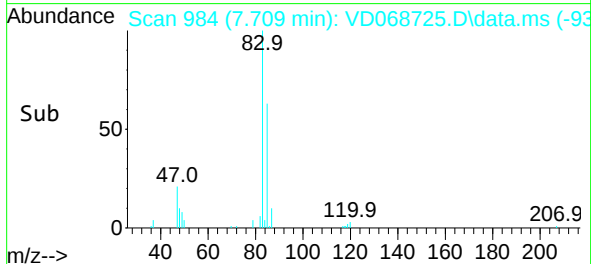
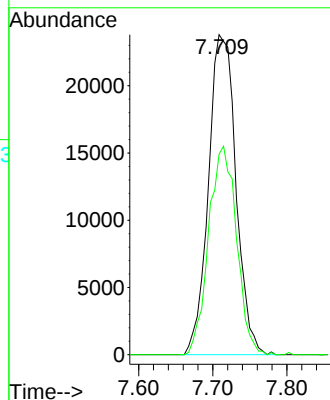
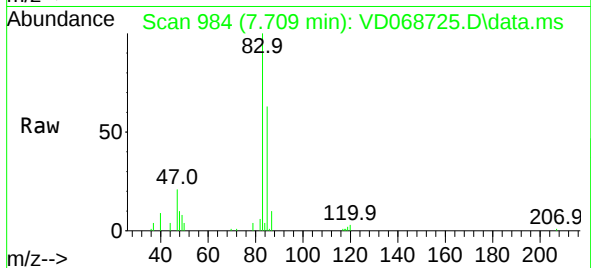
Acq: 30 Mar 2021 13:38

Tgt Ion: 83 Resp: 61469

Ion Ratio Lower Upper

83 100

85 62.6 53.3 79.9



#31

Cyclohexane

Concen: 1.38 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD068725.D

Acq: 30 Mar 2021 13:38

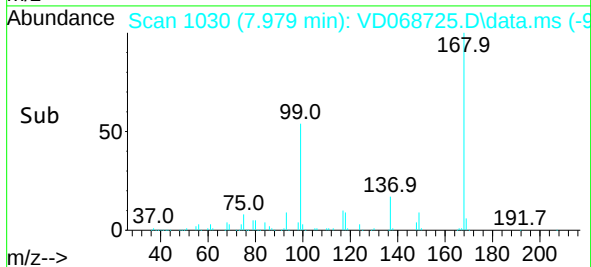
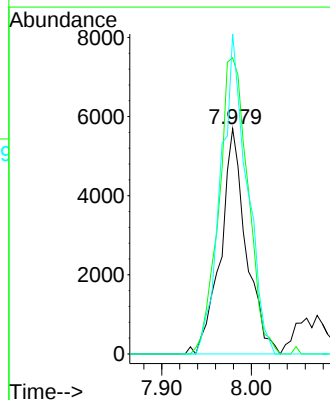
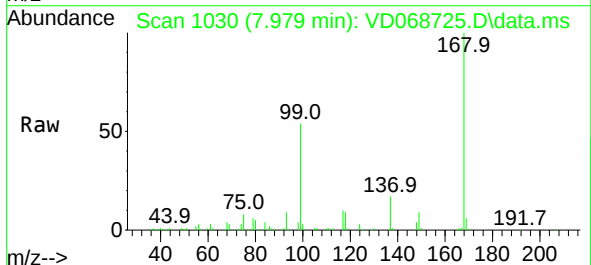
Tgt Ion: 56 Resp: 11207

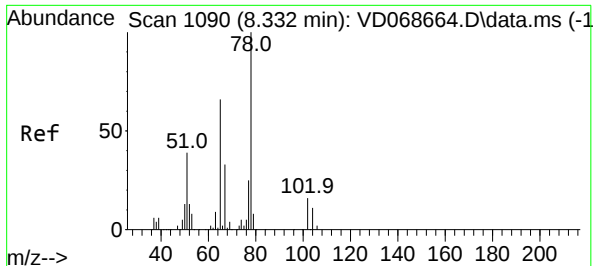
Ion Ratio Lower Upper

56 100

69 131.5 30.0 45.0#

84 142.1 82.0 123.0#





#33

1,2-Dichloroethane-d4

Concen: 47.45 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VD068725.D

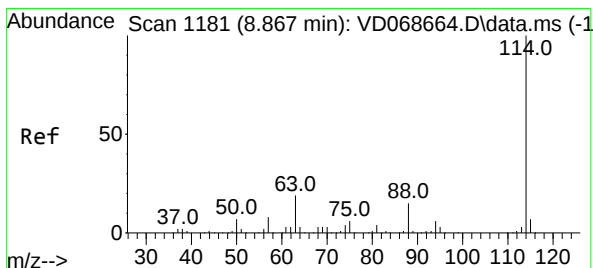
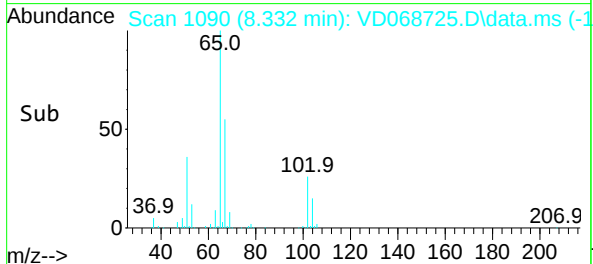
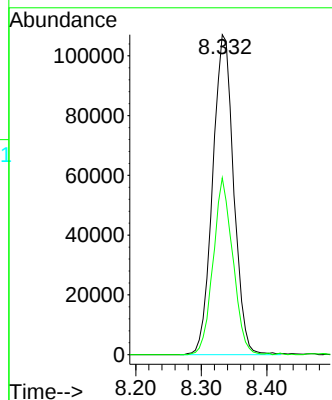
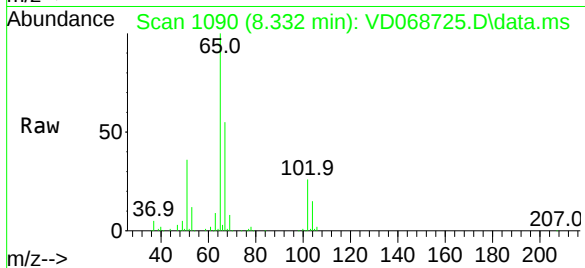
Acq: 30 Mar 2021 13:38

Tgt Ion: 65 Resp: 238184

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD068725.D

Acq: 30 Mar 2021 13:38

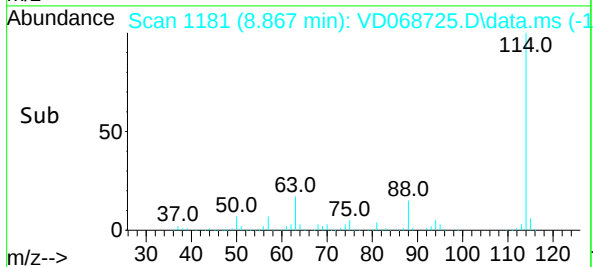
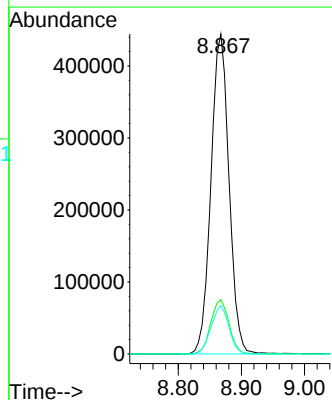
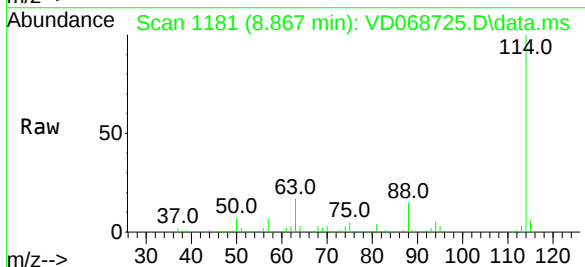
Tgt Ion: 114 Resp: 882255

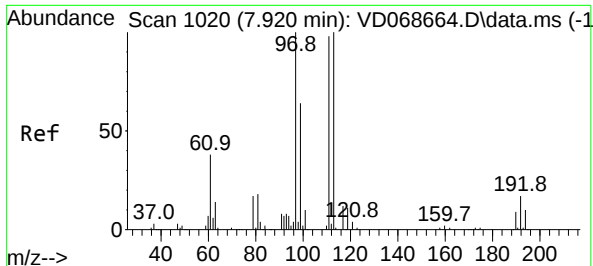
Ion Ratio Lower Upper

114 100

63 17.0 0.0 38.2

88 15.1 0.0 29.4





#35

Dibromofluoromethane

Concen: 49.18 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068725.D

Acq: 30 Mar 2021 13:38

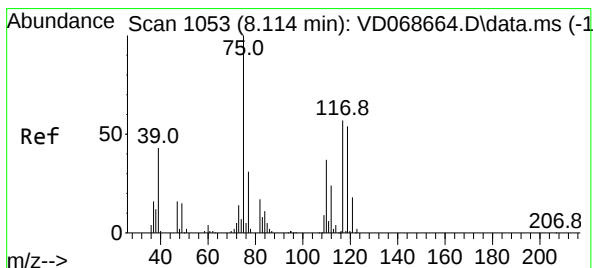
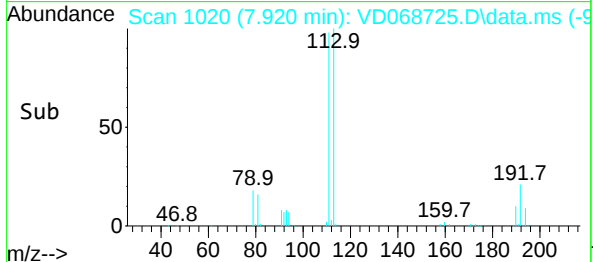
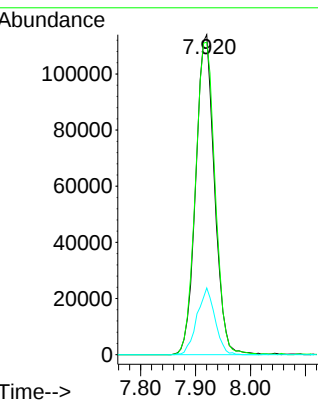
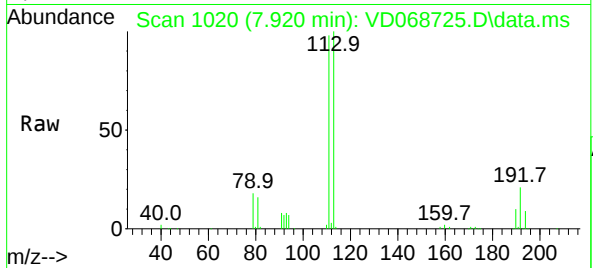
Tgt Ion:113 Resp: 269981

Ion Ratio Lower Upper

113 100

111 102.2 82.5 123.7

192 20.0 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.74 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD068725.D

Acq: 30 Mar 2021 13:38

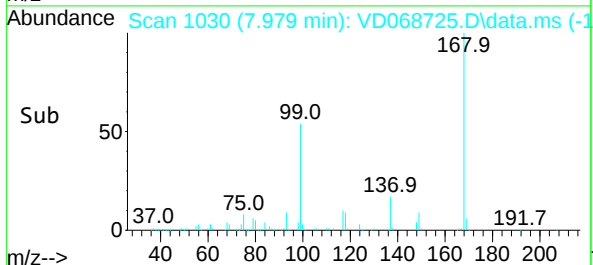
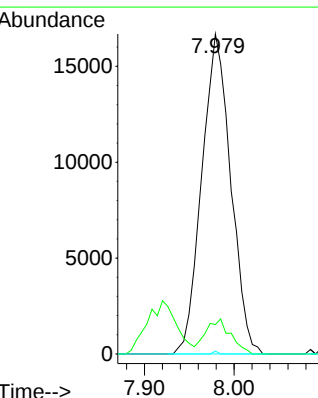
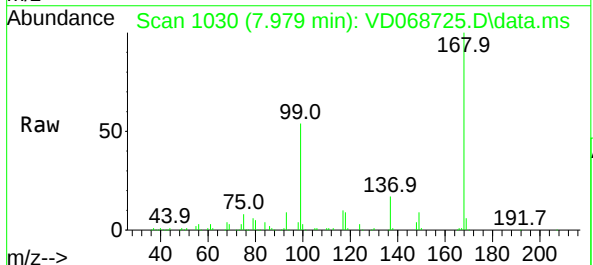
Tgt Ion: 75 Resp: 37353

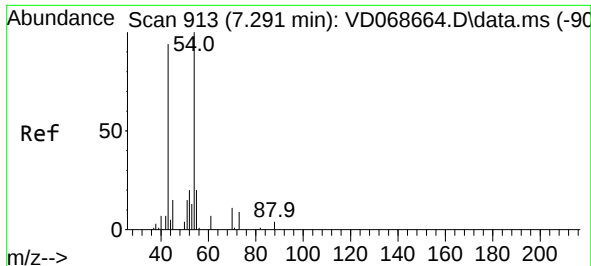
Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.4#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.73 ug/l

RT: 7.220 min Scan# 901

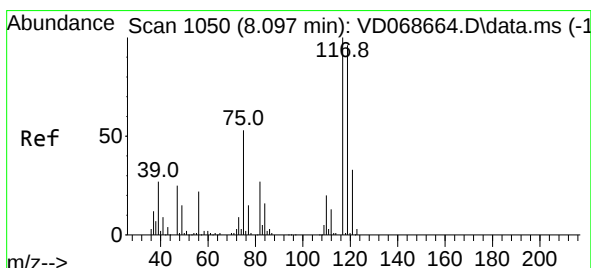
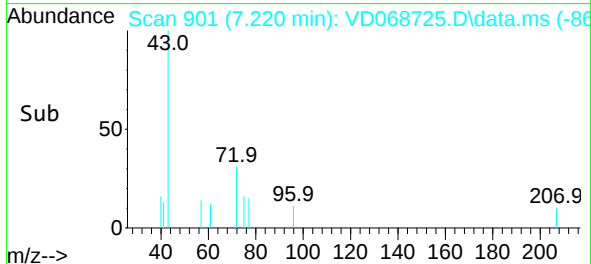
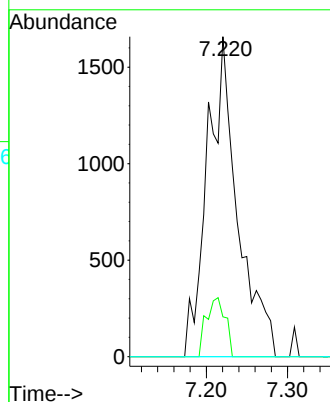
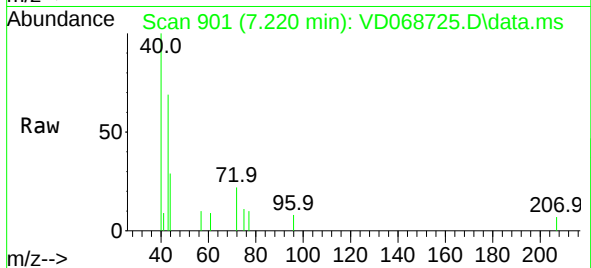
Delta R.T. -0.071 min

Lab File: VD068725.D

Acq: 30 Mar 2021 13:38

Tgt Ion:	43	Resp:	4311
Ion	Ratio	Lower	Upper
43	100		
61	11.5	14.2	21.4#
70	0.0	9.4	14.0#

Instrument :
MSVOA_D
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.04 ug/l

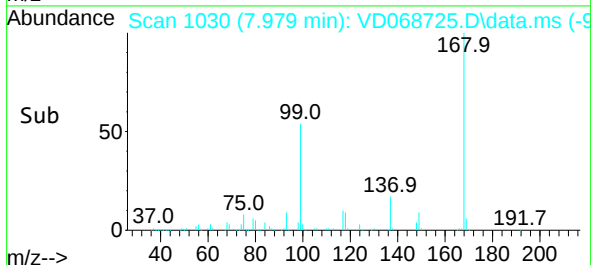
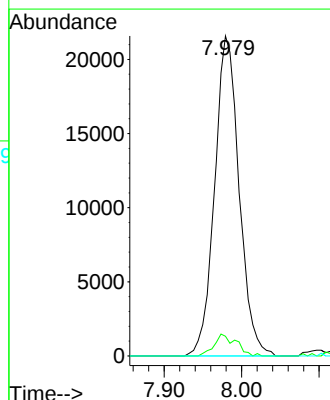
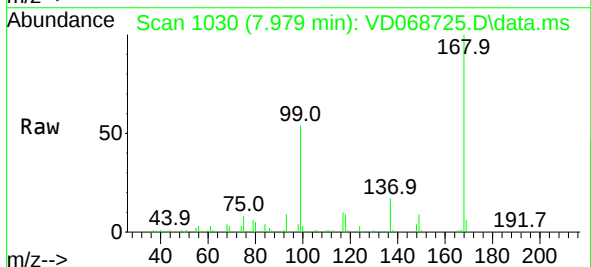
RT: 7.979 min Scan# 1030

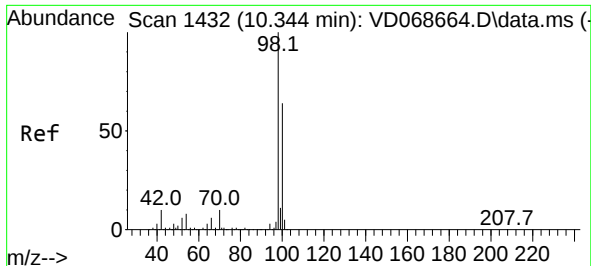
Delta R.T. -0.118 min

Lab File: VD068725.D

Acq: 30 Mar 2021 13:38

Tgt Ion:	117	Resp:	47489
Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.6	115.0#
121	0.0	26.1	39.1#

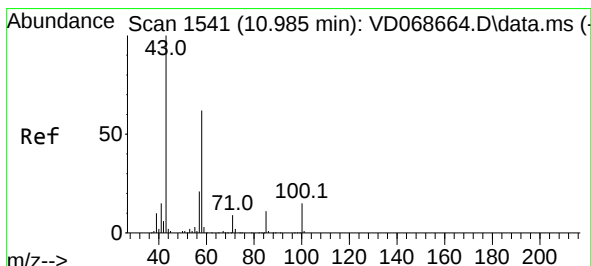
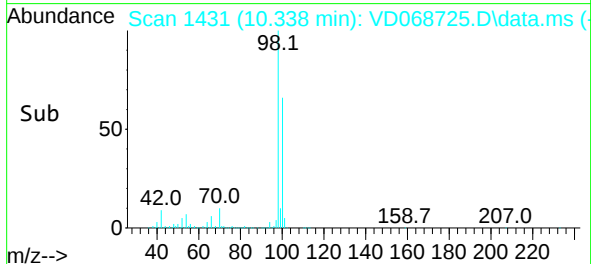
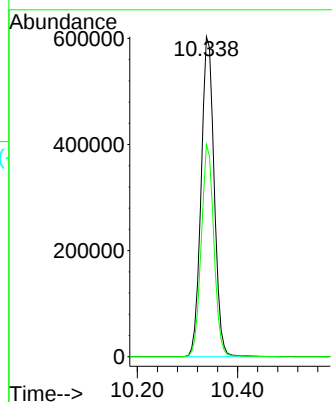
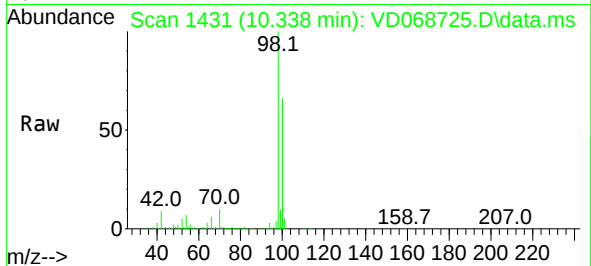




#50
Toluene-d8
Concen: 51.52 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068725.D
Acq: 30 Mar 2021 13:38

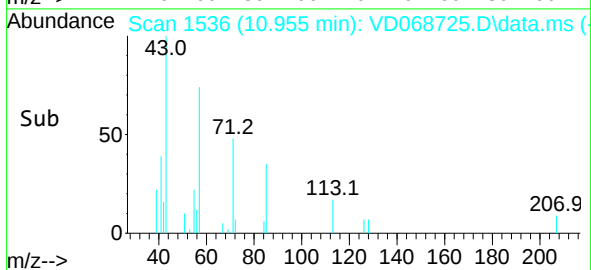
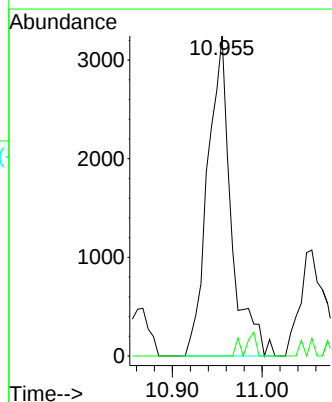
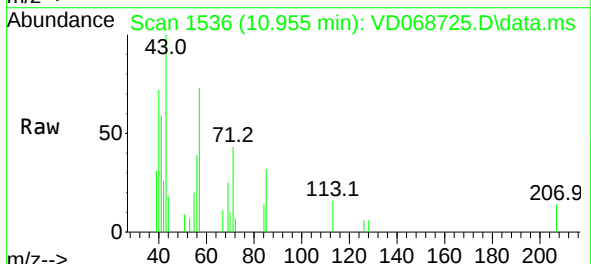
Instrument :
MSVOA_D
ClientSampled :

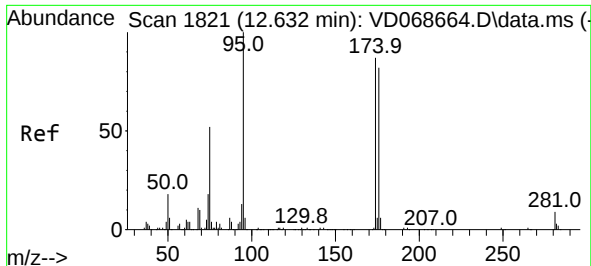
Tgt Ion: 98 Resp: 1090316
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6



#59
2-Hexanone
Concen: 3.55 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.029 min
Lab File: VD068725.D
Acq: 30 Mar 2021 13:38

Tgt Ion: 43 Resp: 5927
Ion Ratio Lower Upper
43 100
58 0.0 31.3 93.8#

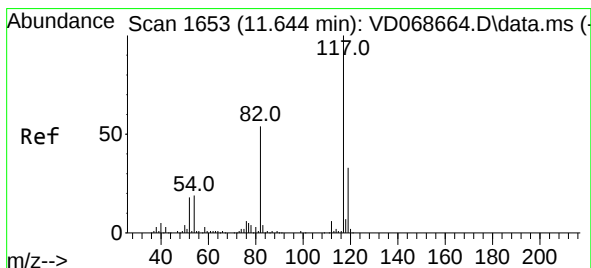
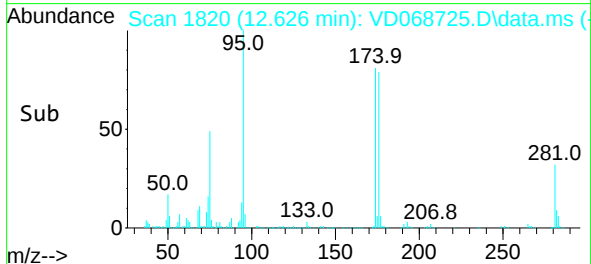
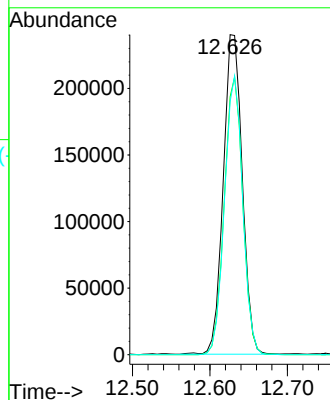
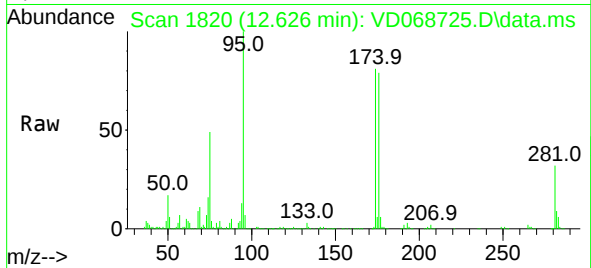




#62
4-Bromofluorobenzene
Concen: 59.72 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD068725.D
Acq: 30 Mar 2021 13:38

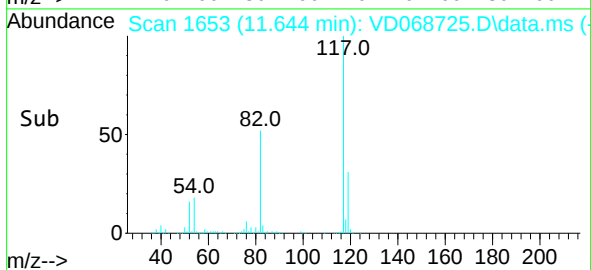
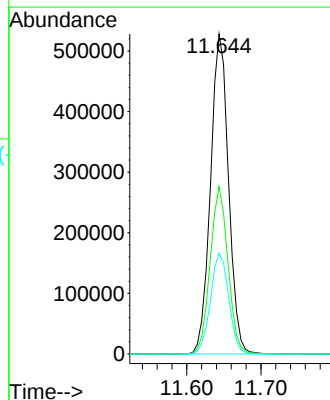
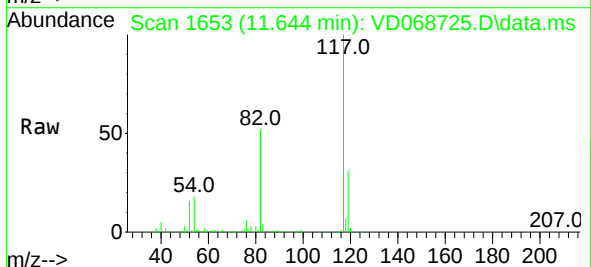
Instrument :
MSVOA_D
ClientSampleId :

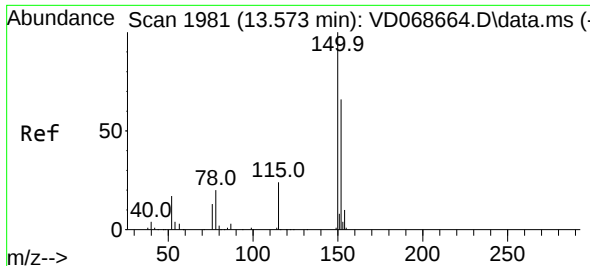
Tgt Ion: 95 Resp: 409789
Ion Ratio Lower Upper
95 100
174 84.3 0.0 168.0
176 83.3 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068725.D
Acq: 30 Mar 2021 13:38

Tgt Ion:117 Resp: 890760
Ion Ratio Lower Upper
117 100
82 52.3 43.5 65.3
119 31.4 26.7 40.1

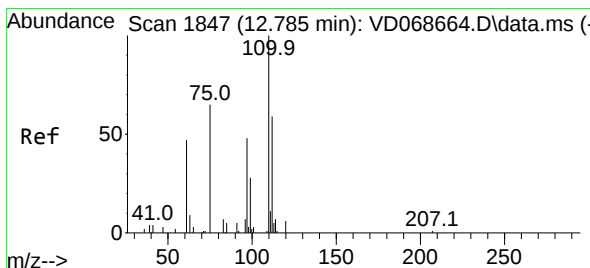
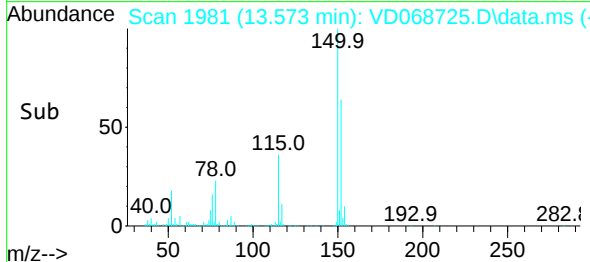
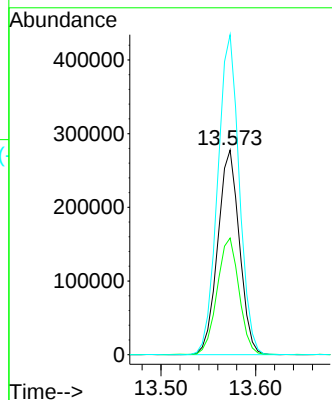
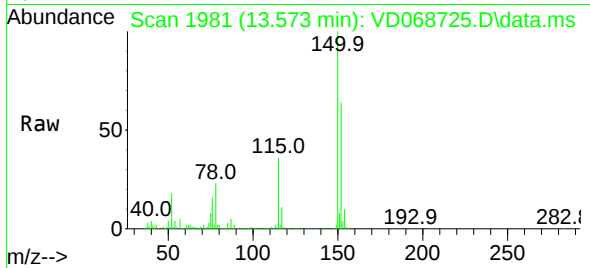




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.000 min
 Lab File: VD068725.D
 Acq: 30 Mar 2021 13:38

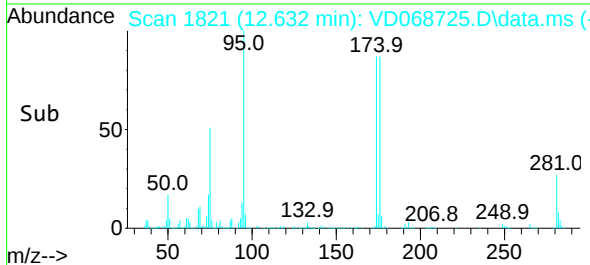
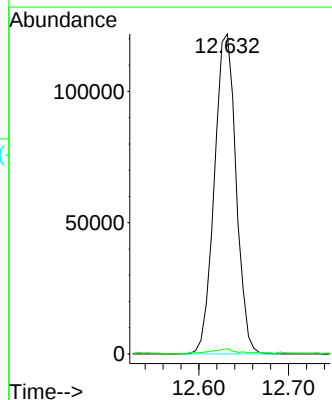
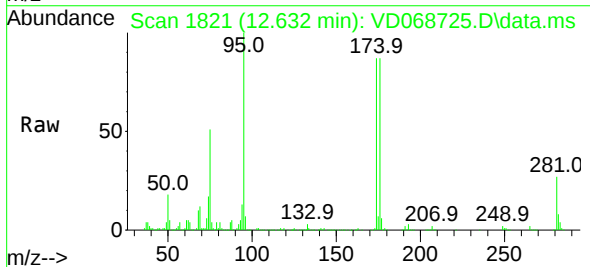
Instrument :
 MSVOA_D
 ClientSampleId :

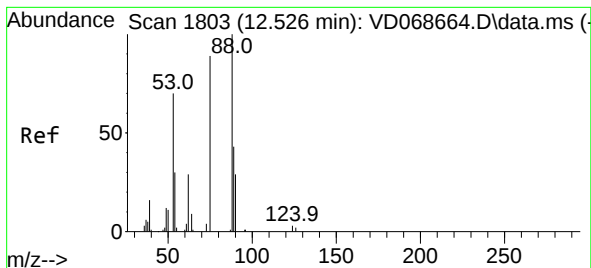
Tgt Ion:152 Resp: 441551
 Ion Ratio Lower Upper
 152 100
 115 58.0 29.3 87.8
 150 156.0 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 55.67 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.153 min
 Lab File: VD068725.D
 Acq: 30 Mar 2021 13:38

Tgt Ion: 75 Resp: 204598
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#

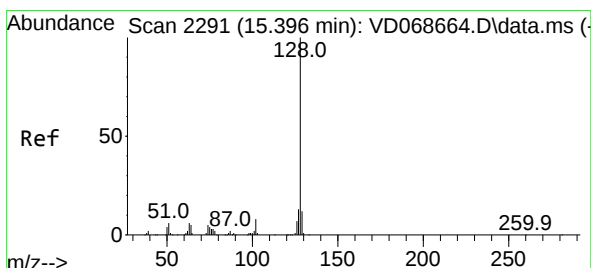
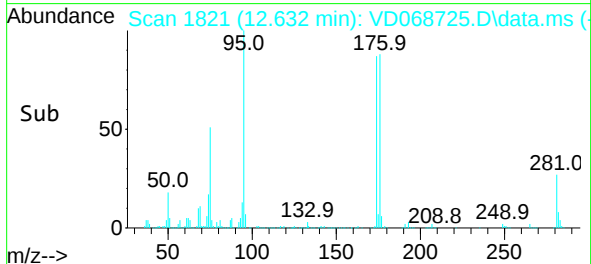
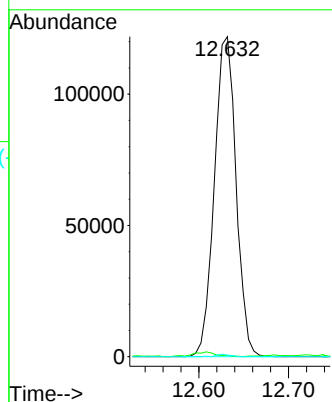
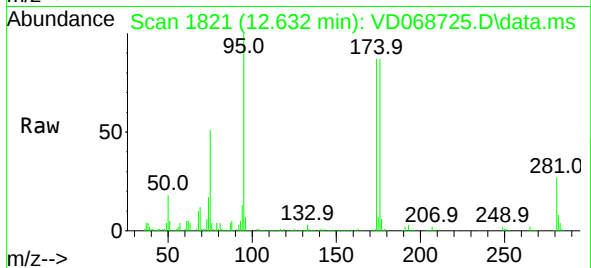




#81
trans-1,4-Dichloro-2-butene
Concen: 126.66 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068725.D
Acq: 30 Mar 2021 13:38

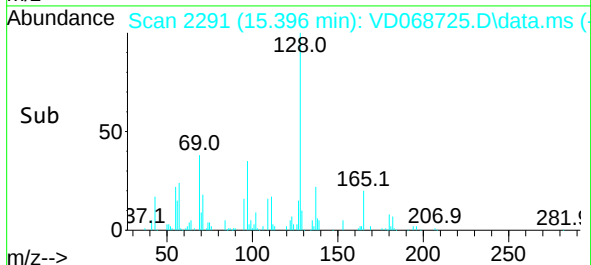
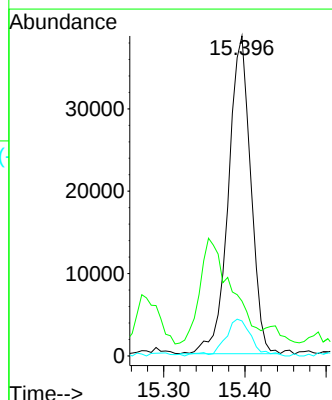
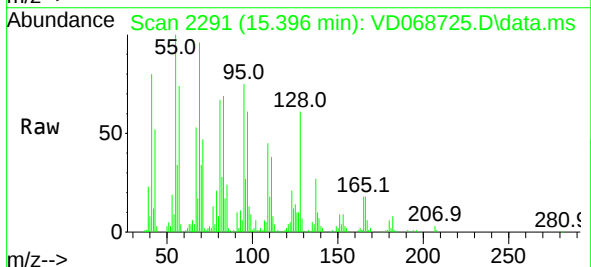
Instrument :
MSVOA_D
ClientSampleId :

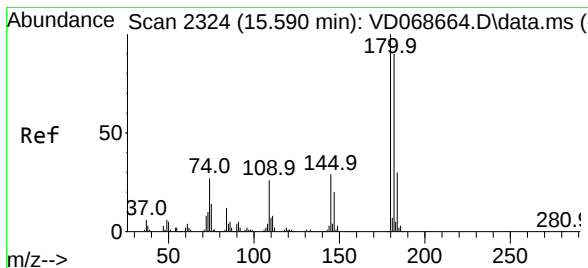
Tgt Ion: 75 Resp: 204598
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.5 36.6 54.8#



#95
Naphthalene
Concen: 5.37 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD068725.D
Acq: 30 Mar 2021 13:38

Tgt Ion:128 Resp: 73630
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 13.0 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 1.91 ug/l
 RT: 15.608 min Scan# 2327
 Delta R.T. 0.018 min
 Lab File: VD068725.D
 Acq: 30 Mar 2021 13:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:180 Resp: 12759
 Ion Ratio Lower Upper
 180 100
 182 16.1 46.5 139.3#
 145 0.0 15.8 47.4#

