

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041921\
 Data File : VD068895.D
 Acq On : 19 Apr 2021 13:15
 Operator : VA/SY
 Sample : M2063-07
 Misc : 6.75G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP2-2-4

Quant Time: Apr 20 00:52:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

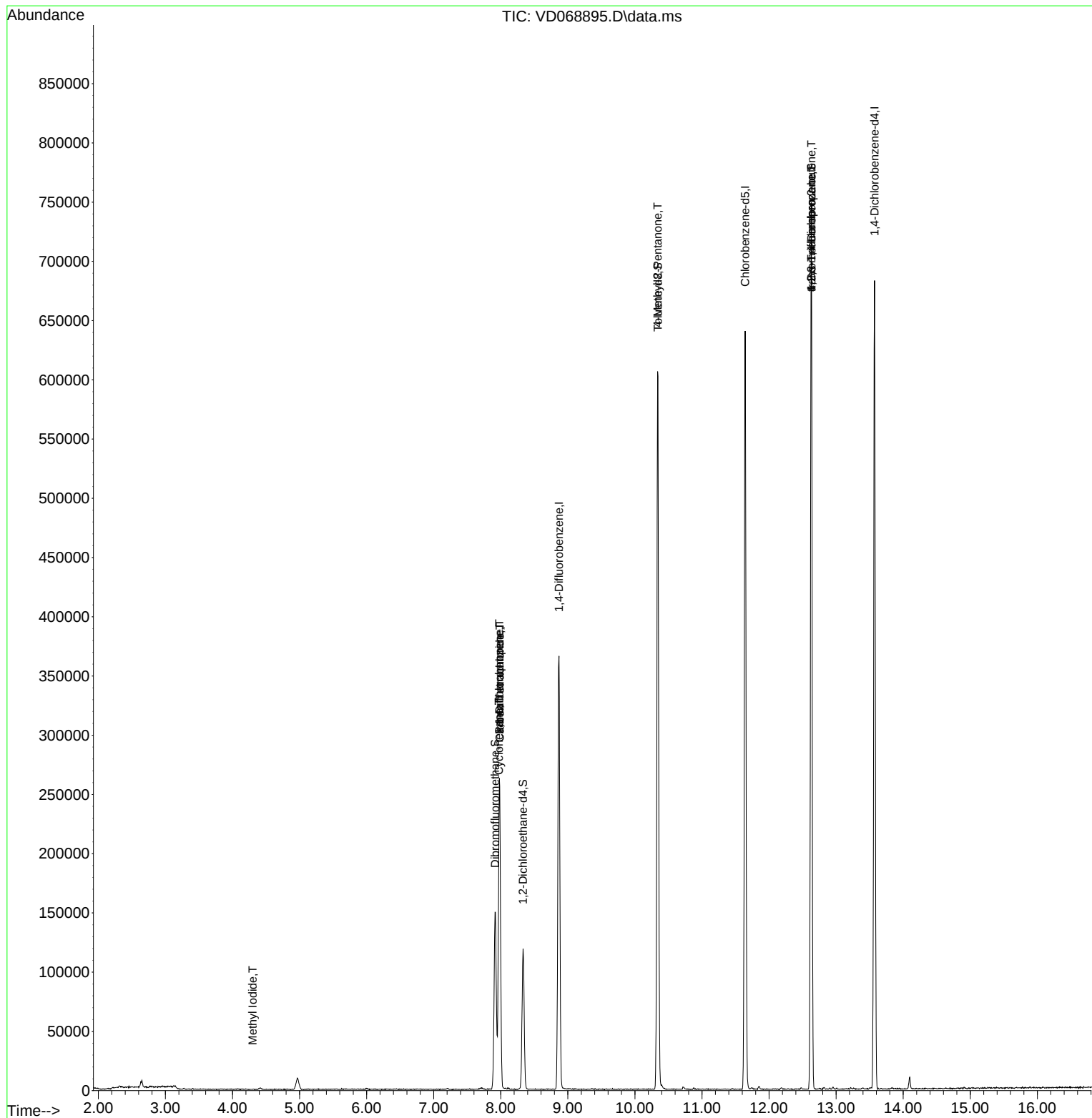
Internal Standards						
1) Pentafluorobenzene	7.979	168	198707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	337990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	384664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	188978	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	91605	43.62	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.24%		
35) Dibromofluoromethane	7.914	113	108632	49.41	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.82%		
50) Toluene-d8	10.344	98	435389	52.50	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.00%		
62) 4-Bromofluorobenzene	12.632	95	174947	63.52	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	127.04%		
Target Compounds						
10) Methyl Iodide	4.303	142	107	2.29	ug/l #	41
20) Methylene Chloride	4.967	84	8220	Below Cal	#	79
31) Cyclohexane	7.973	56	4641	1.33	ug/l #	42
36) 1,1-Dichloropropene	7.979	75	15496	4.53	ug/l #	49
38) Carbon Tetrachloride	7.985	117	19940	5.89	ug/l #	18
51) 4-Methyl-2-Pentanone	10.338	43	1738	1.68	ug/l #	1
76) 1,2,3-Trichloropropane	12.632	75	87124	50.46	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	87124	117.11	ug/l #	16

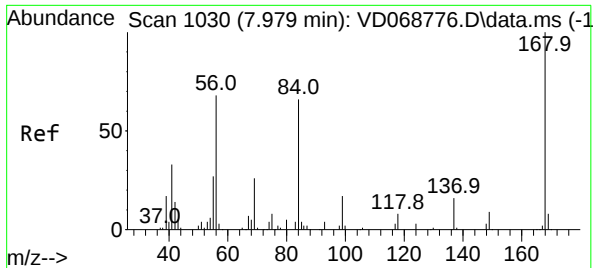
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TP2-2-4

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 08 03:50:31 2021
Response via : Initial Calibration

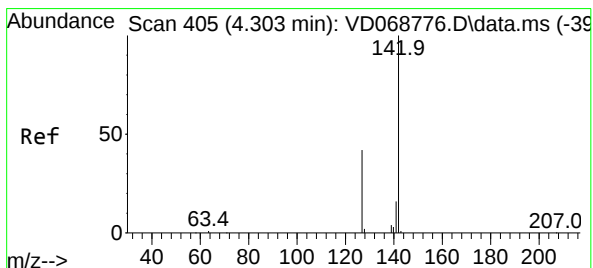
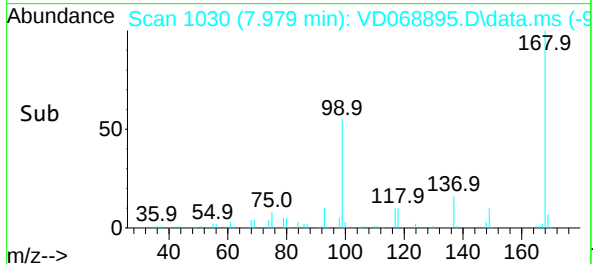
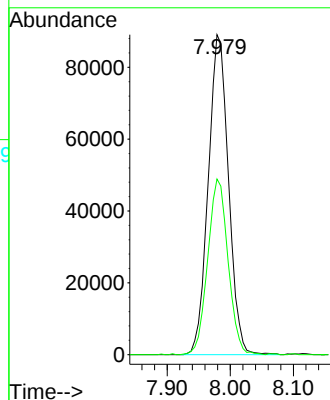
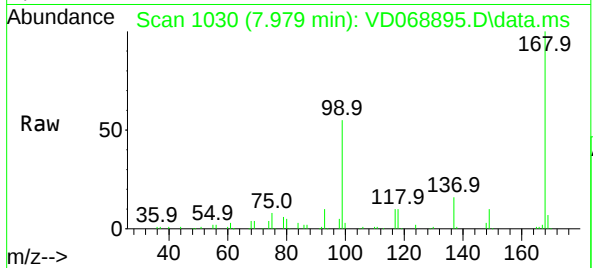




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD068895.D
Acq: 19 Apr 2021 13:15

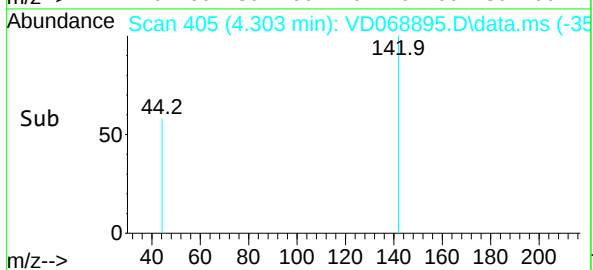
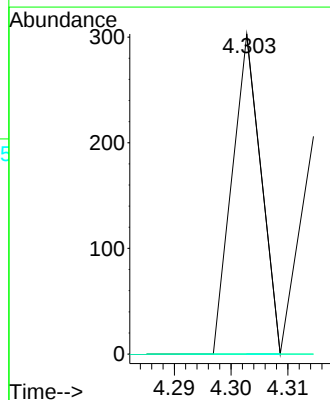
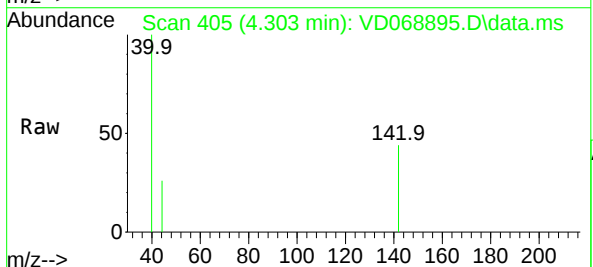
Instrument :
MSVOA_D
ClientSampleId :
TP2-2-4

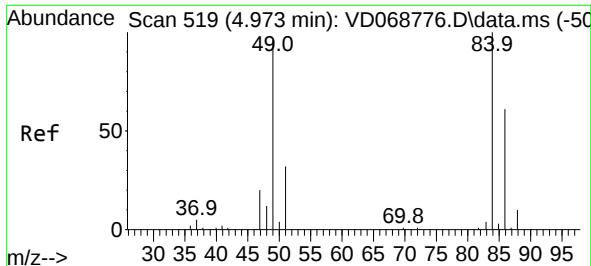
Tgt Ion:168 Resp: 198707
Ion Ratio Lower Upper
168 100
99 54.9 46.2 69.2



#10
Methyl Iodide
Concen: 2.29 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD068895.D
Acq: 19 Apr 2021 13:15

Tgt Ion:142 Resp: 107
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.967 min Scan# 518

Delta R.T. -0.006 min

Lab File: VD068895.D

Acq: 19 Apr 2021 13:15

Instrument :

MSVOA_D

ClientSampleId :

TP2-2-4

Tgt Ion: 84 Resp: 8220

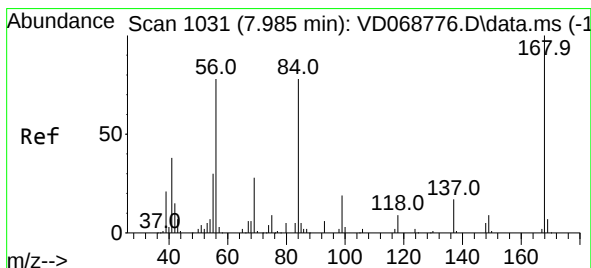
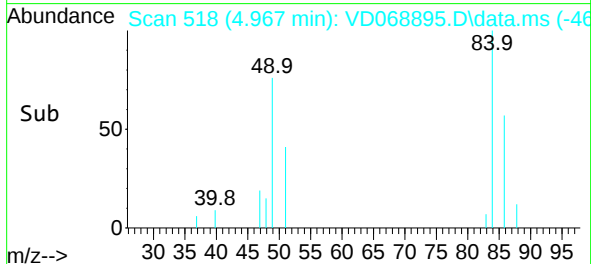
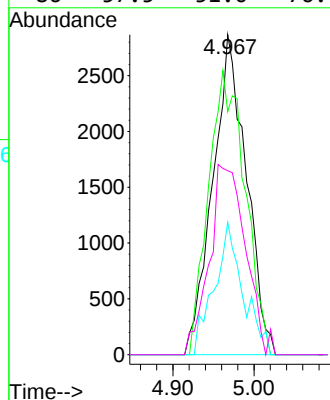
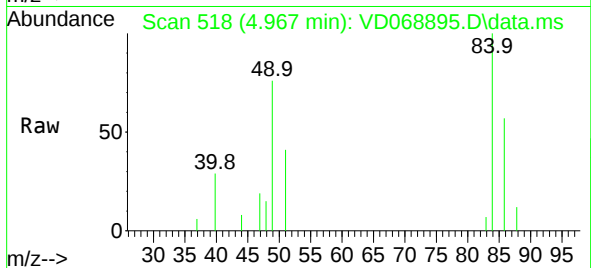
Ion Ratio Lower Upper

84 100

49 75.9 83.4 125.0#

51 41.4 23.4 35.2#

86 57.5 51.0 76.4



#31

Cyclohexane

Concen: 1.33 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD068895.D

Acq: 19 Apr 2021 13:15

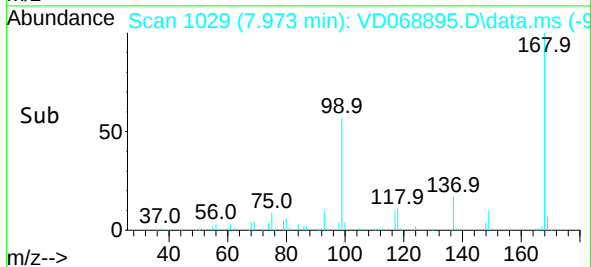
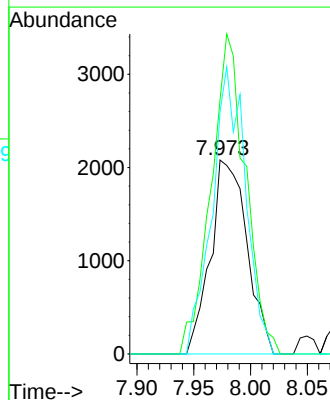
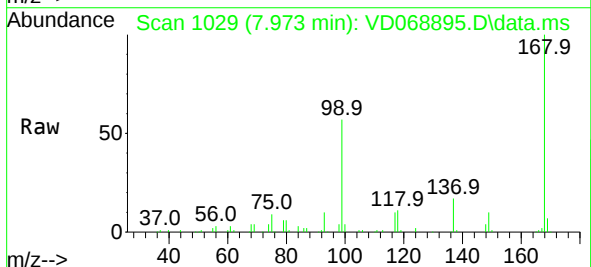
Tgt Ion: 56 Resp: 4641

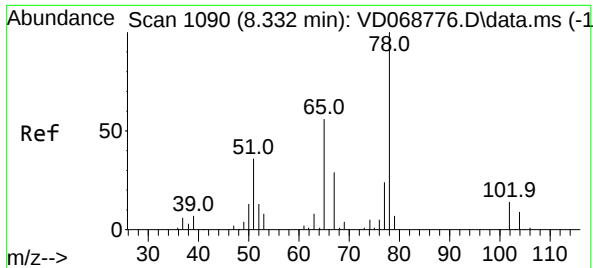
Ion Ratio Lower Upper

56 100

69 131.0 30.0 45.0#

84 125.0 82.0 123.0#

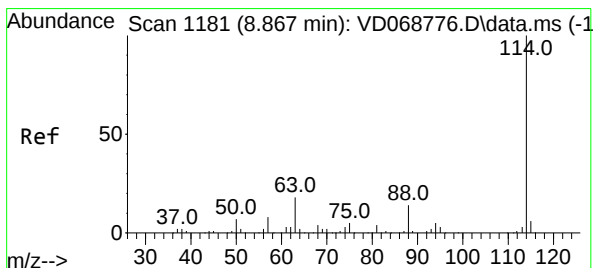
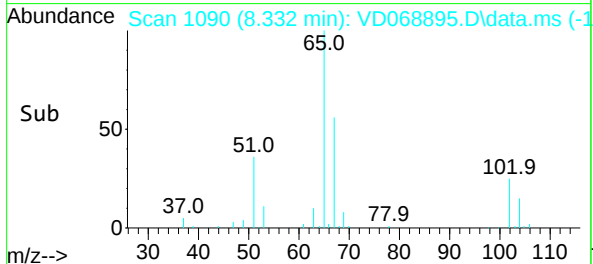
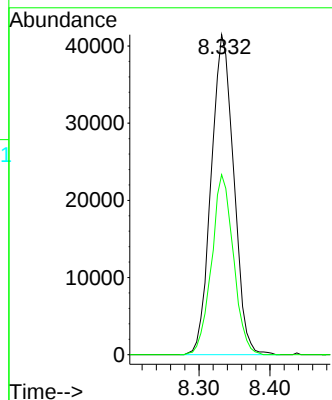
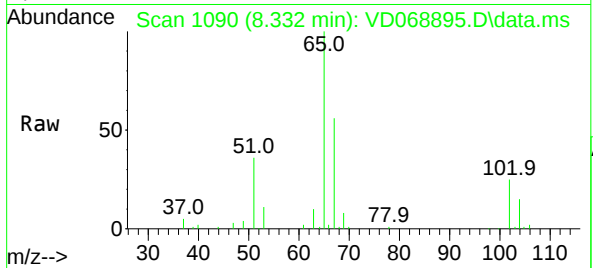




#33
1,2-Dichloroethane-d4
Concen: 43.62 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068895.D
Acq: 19 Apr 2021 13:15

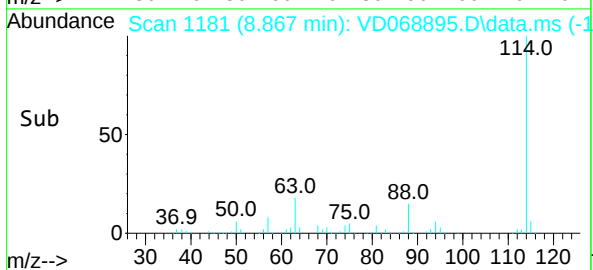
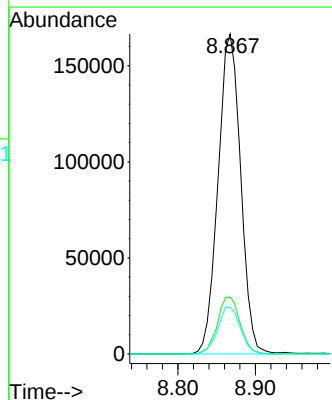
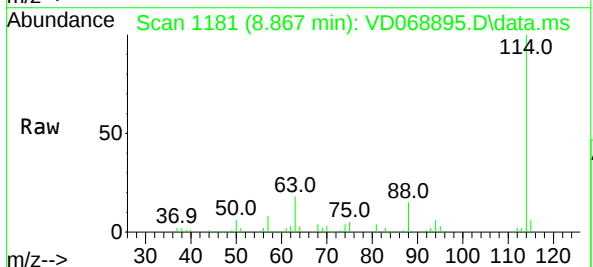
Instrument :
MSVOA_D
ClientSampleId :
TP2-2-4

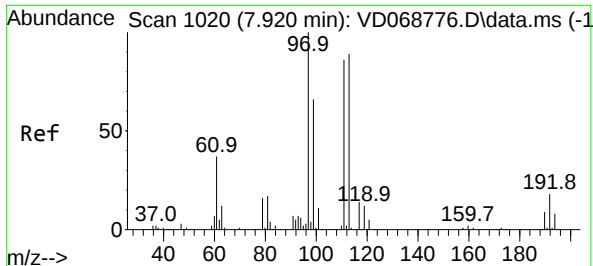
Tgt Ion: 65 Resp: 91605
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068895.D
Acq: 19 Apr 2021 13:15

Tgt Ion: 114 Resp: 337990
Ion Ratio Lower Upper
114 100
63 17.9 0.0 38.2
88 14.6 0.0 29.4





#35

Dibromofluoromethane

Concen: 49.41 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068895.D

Acq: 19 Apr 2021 13:15

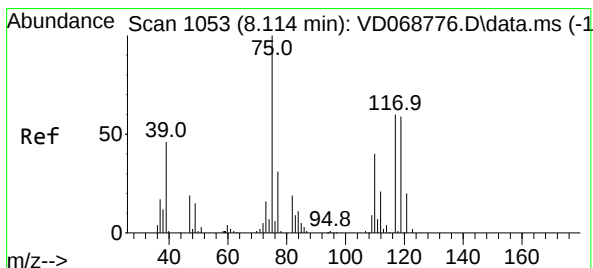
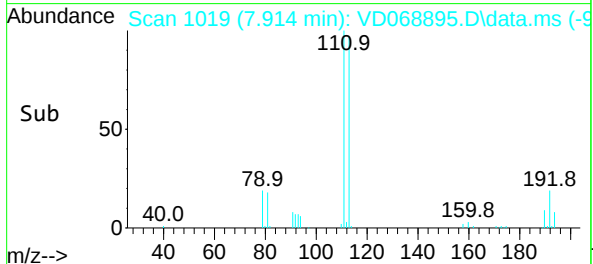
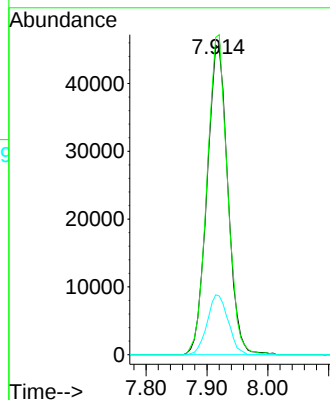
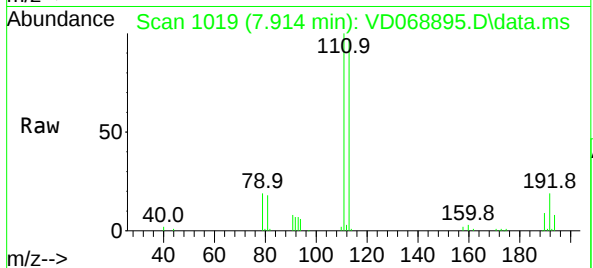
Tgt Ion:113 Resp: 108632

Ion Ratio Lower Upper

113 100

111 101.3 82.5 123.7

192 19.3 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.53 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD068895.D

Acq: 19 Apr 2021 13:15

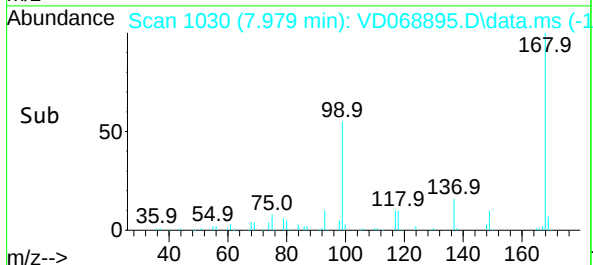
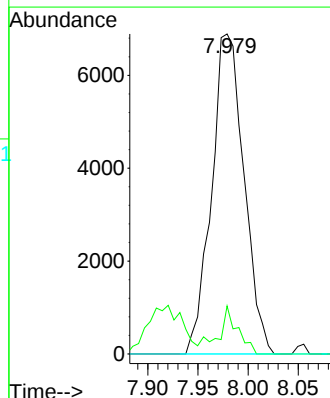
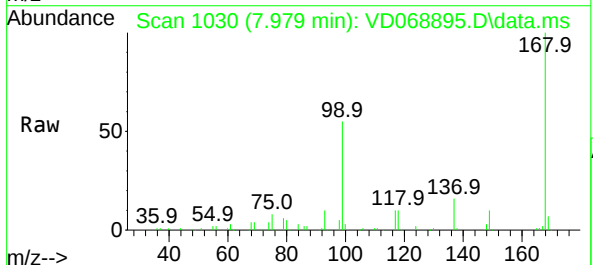
Tgt Ion: 75 Resp: 15496

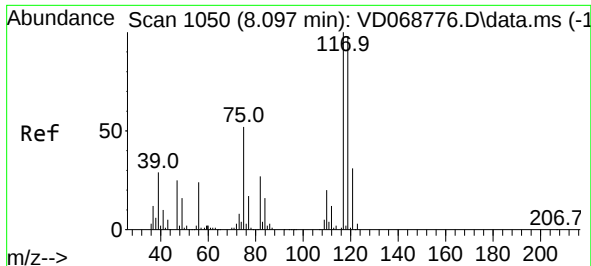
Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.4#

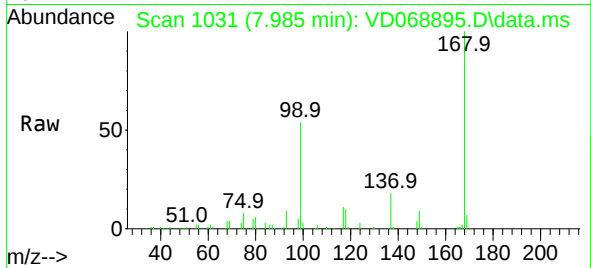
77 0.0 24.7 37.1#



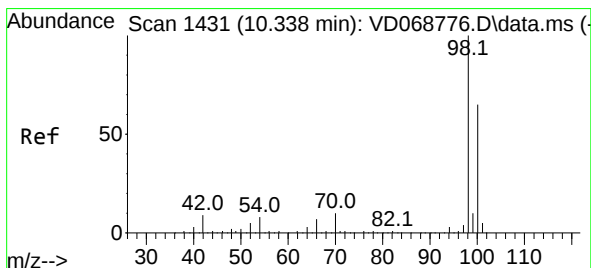
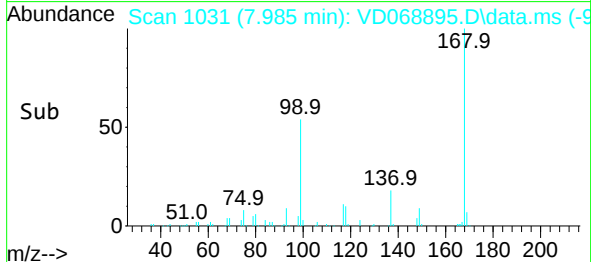
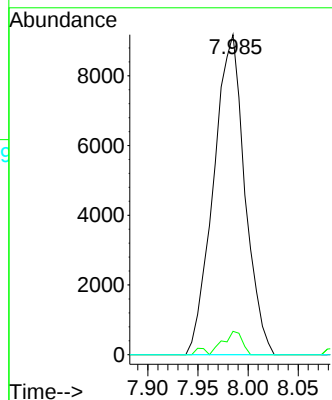


#38
Carbon Tetrachloride
Concen: 5.89 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068895.D
Acq: 19 Apr 2021 13:15

Instrument :
MSVOA_D
ClientSampled :
TP2-2-4

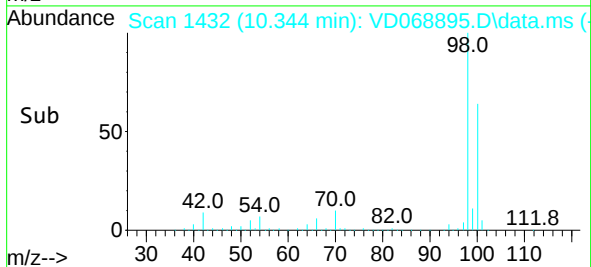
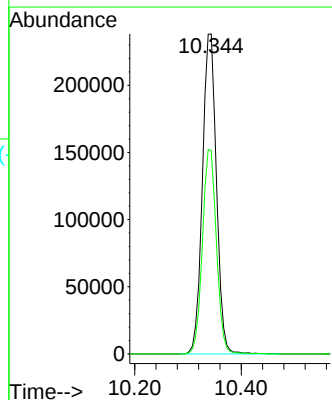
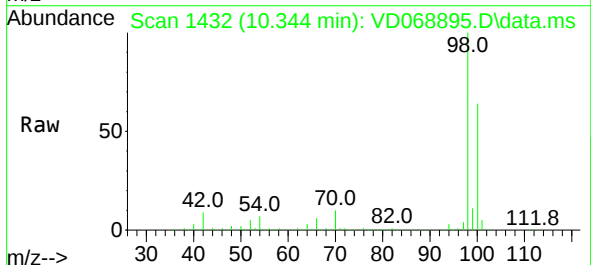


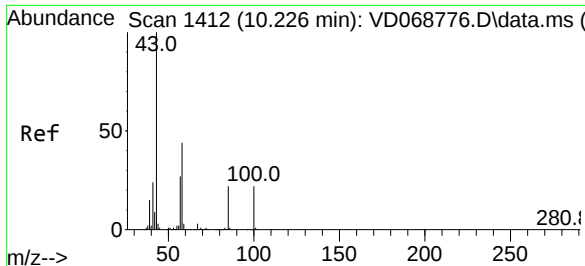
Tgt Ion:117 Resp: 19940
Ion Ratio Lower Upper
117 100
119 7.3 76.6 115.0#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 52.50 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VD068895.D
Acq: 19 Apr 2021 13:15

Tgt Ion: 98 Resp: 435389
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.6

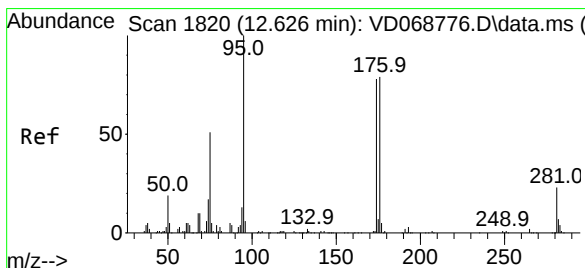
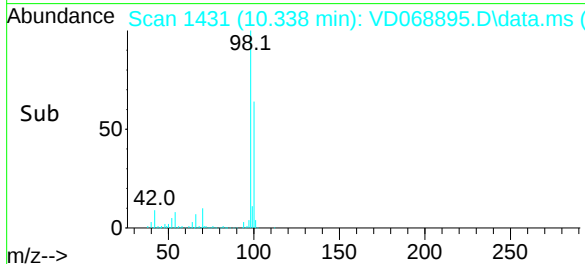
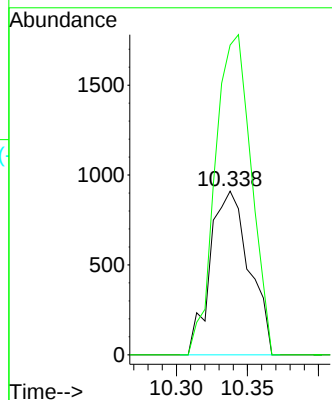
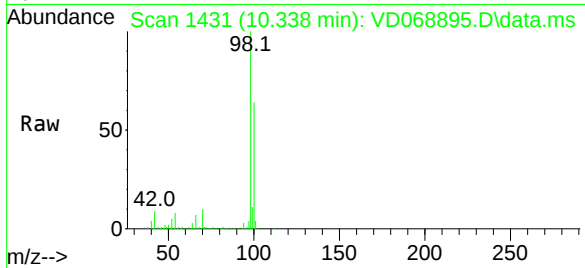




#51
4-Methyl-2-Pentanone
Concen: 1.68 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD068895.D
Acq: 19 Apr 2021 13:15

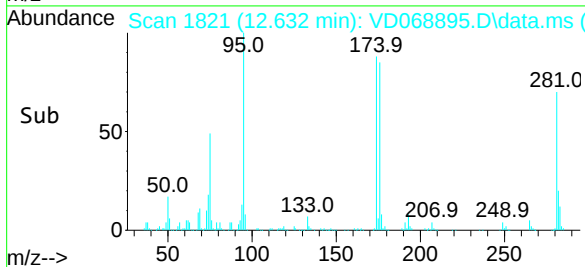
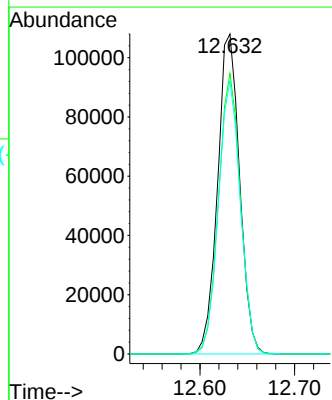
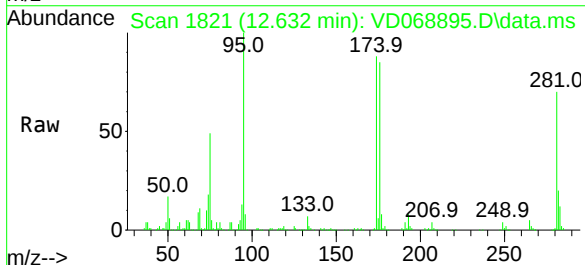
Instrument :
MSVOA_D
ClientSampleId :
TP2-2-4

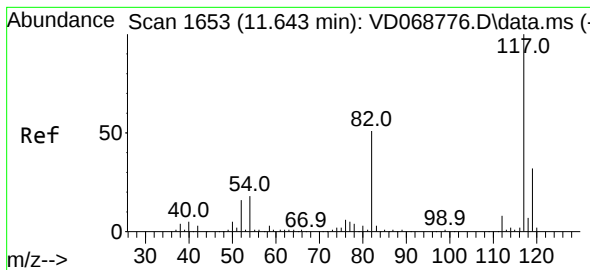
Tgt Ion: 43 Resp: 1738
Ion Ratio Lower Upper
43 100
58 180.6 37.3 55.9#



#62
4-Bromofluorobenzene
Concen: 63.52 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068895.D
Acq: 19 Apr 2021 13:15

Tgt Ion: 95 Resp: 174947
Ion Ratio Lower Upper
95 100
174 86.7 0.0 168.0
176 85.2 0.0 160.2

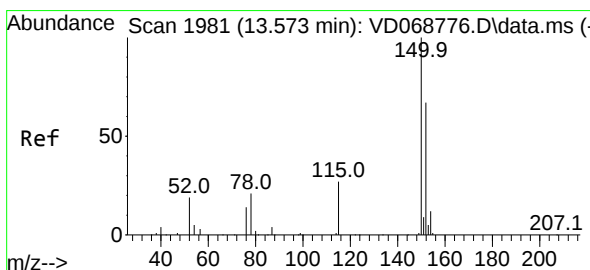
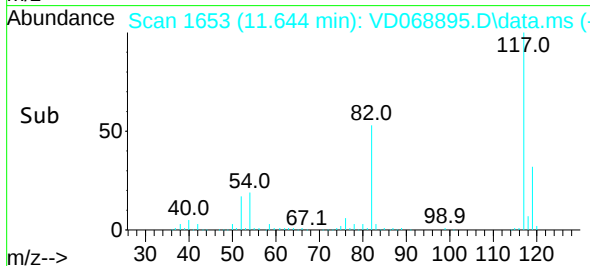
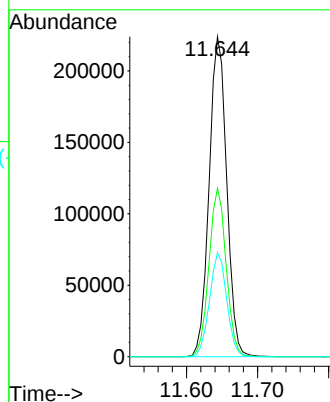
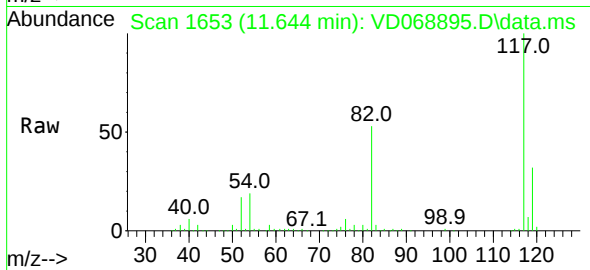




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD068895.D
Acq: 19 Apr 2021 13:15

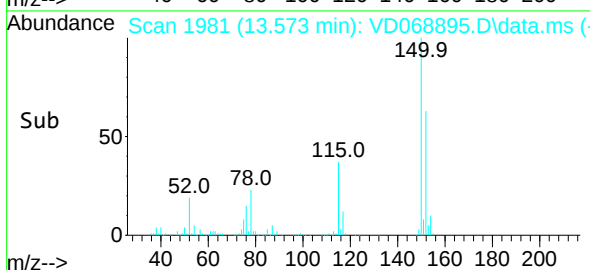
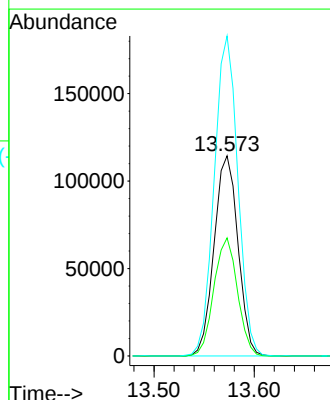
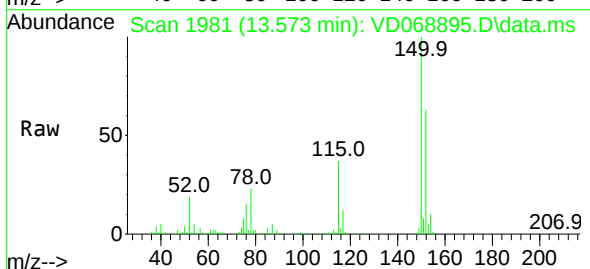
Instrument :
MSVOA_D
ClientSampleId :
TP2-2-4

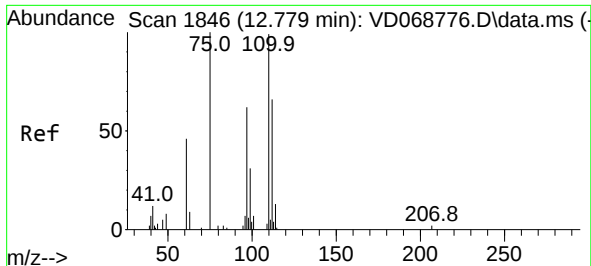
Tgt Ion:117 Resp: 384664
Ion Ratio Lower Upper
117 100
82 52.7 43.5 65.3
119 32.4 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068895.D
Acq: 19 Apr 2021 13:15

Tgt Ion:152 Resp: 188978
Ion Ratio Lower Upper
152 100
115 58.2 29.3 87.8
150 157.9 0.0 347.6

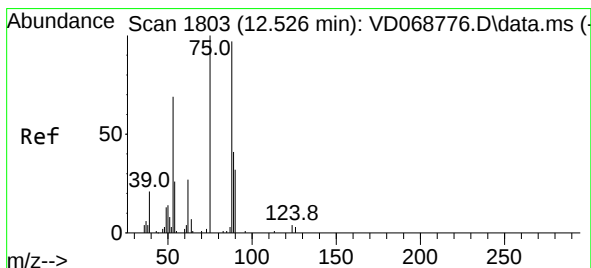
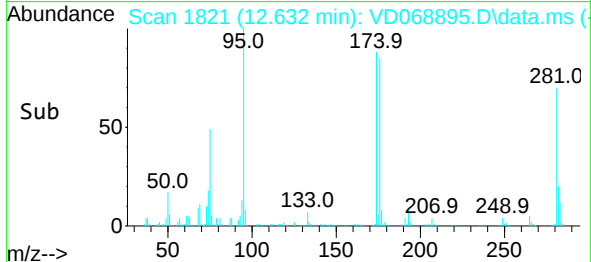
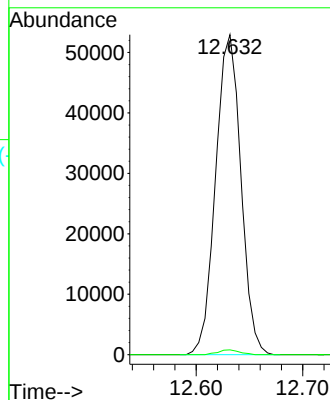
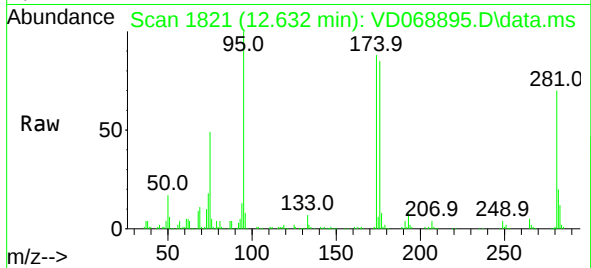




#76
1,2,3-Trichloropropane
Concen: 50.46 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068895.D
Acq: 19 Apr 2021 13:15

Instrument :
MSVOA_D
ClientSampleId :
TP2-2-4

Tgt Ion: 75 Resp: 87124
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.11 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068895.D
Acq: 19 Apr 2021 13:15

Tgt Ion: 75 Resp: 87124
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.7 36.6 54.8#

