

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041621\
 Data File : VD068882.D
 Acq On : 16 Apr 2021 18:15
 Operator : VA/SY
 Sample : M2046-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-4

Quant Time: Apr 16 23:51:42 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)

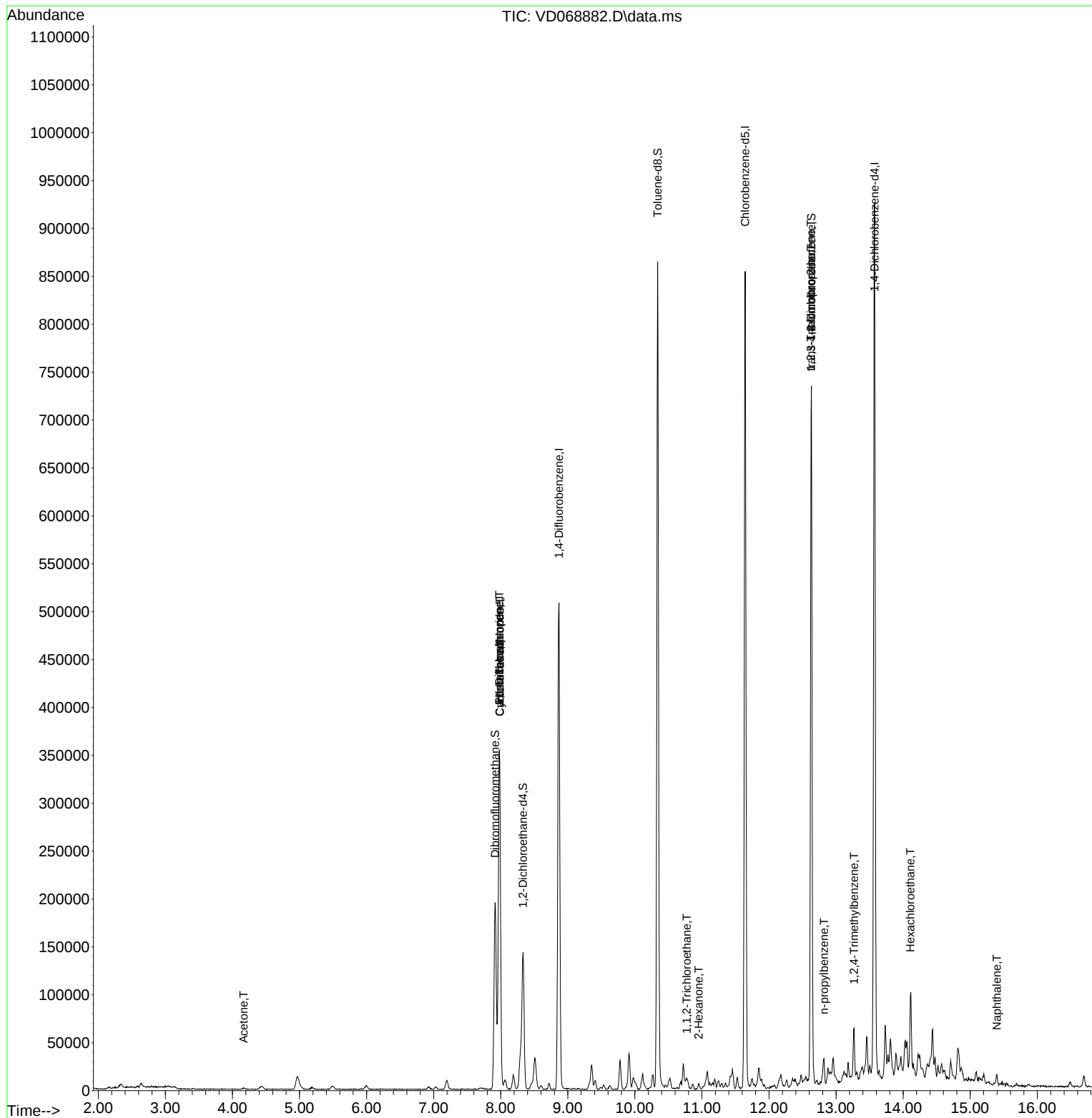
Internal Standards						
1) Pentafluorobenzene	7.979	168	277098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	478524	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	514866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	260546	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	112788	38.51	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	77.02%		
35) Dibromofluoromethane	7.914	113	144259	46.35	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.70%		
50) Toluene-d8	10.338	98	593390	50.54	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.08%		
62) 4-Bromofluorobenzene	12.632	95	234193	60.05	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	120.10%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.203	59	828	Below Cal	#	73
16) Acetone	4.168	43	2024	4.99 ug/l	#	56
20) Methylene Chloride	4.968	84	12132	Below Cal	#	96
31) Cyclohexane	7.985	56	7910	1.62 ug/l	#	42
36) 1,1-Dichloropropene	7.979	75	19022	3.93 ug/l	#	51
38) Carbon Tetrachloride	7.985	117	26453	5.52 ug/l	#	16
55) 1,1,2-Trichloroethane	10.773	97	2864	1.07 ug/l	#	27
59) 2-Hexanone	10.950	43	1625	1.66 ug/l	#	19
76) 1,2,3-Trichloropropane	12.626	75	116650	49.01 ug/l	#	100
78) n-propylbenzene	12.820	91	23946	1.04 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.626	75	116650	113.73 ug/l	#	16
84) 1,2,4-Trimethylbenzene	13.267	105	29747	1.85 ug/l		99
90) Hexachloroethane	14.108	117	6666	1.92 ug/l	#	14
95) Naphthalene	15.396	128	10561	1.25 ug/l		98

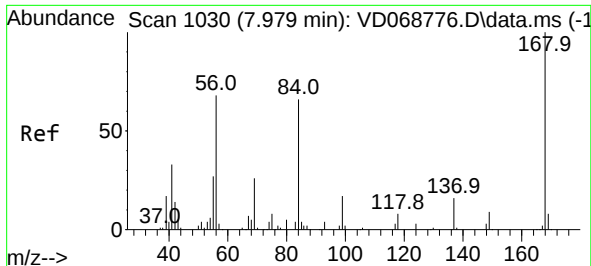
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
WC-4

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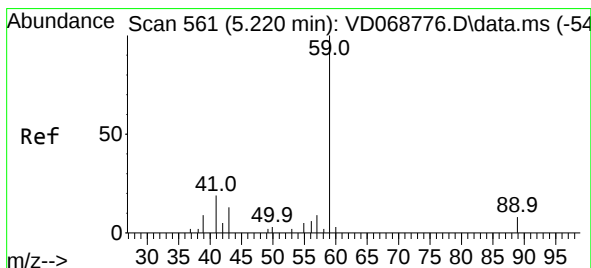
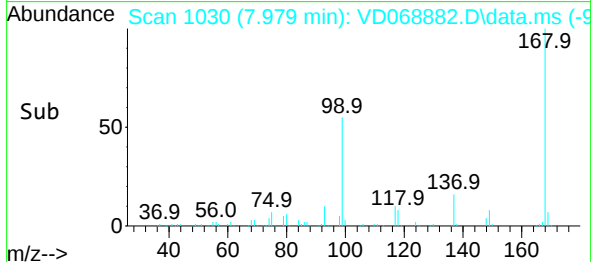
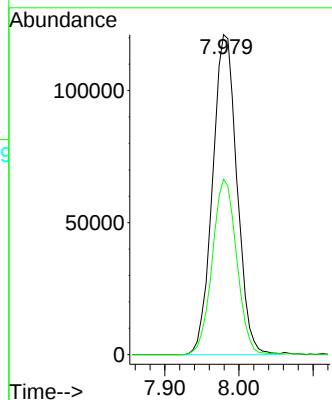
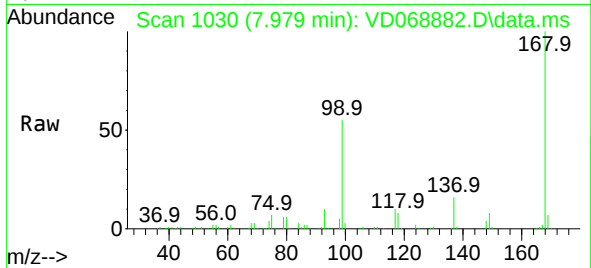




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

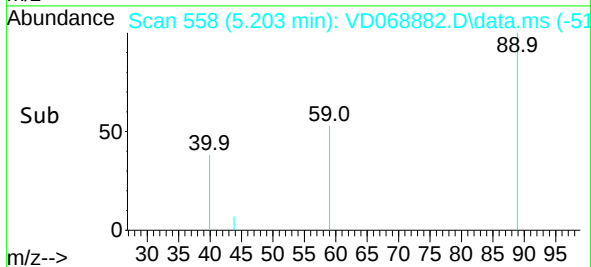
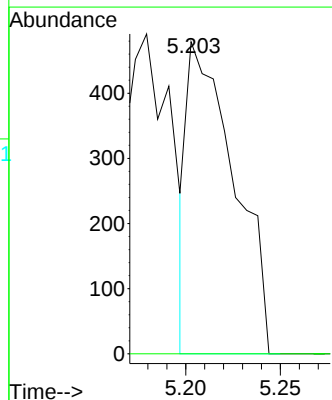
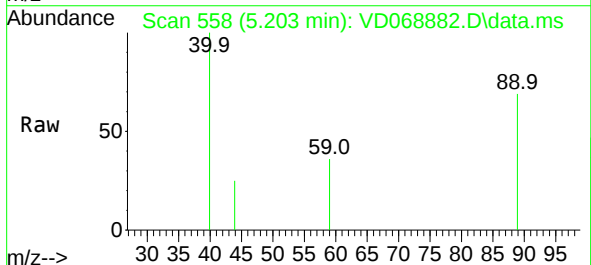
Instrument :
MSVOA_D
ClientSampled :
WC-4

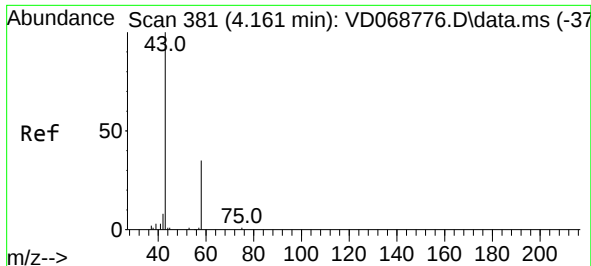
Tgt Ion:168 Resp: 277098
Ion Ratio Lower Upper
168 100
99 54.8 46.2 69.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.203 min Scan# 558
Delta R.T. -0.017 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

Tgt Ion: 59 Resp: 828
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

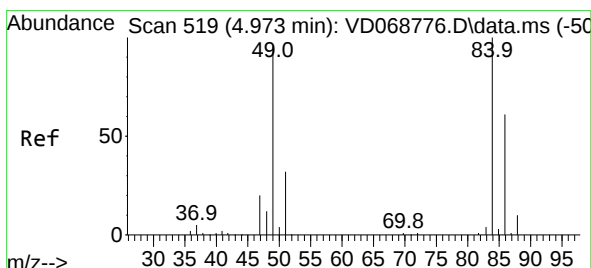
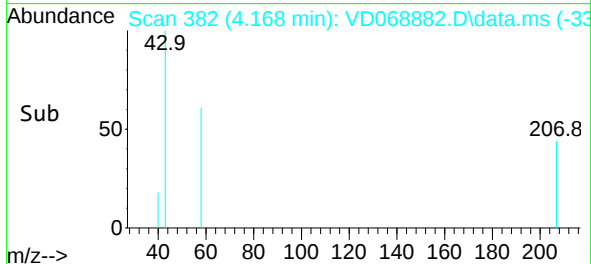
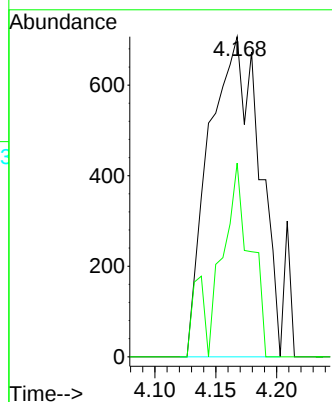
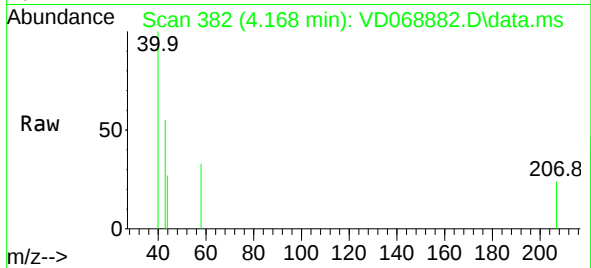




#16
Acetone
Concen: 4.99 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.007 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

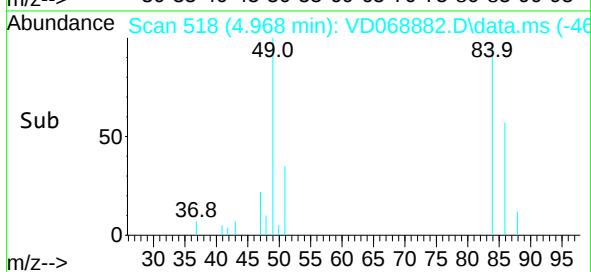
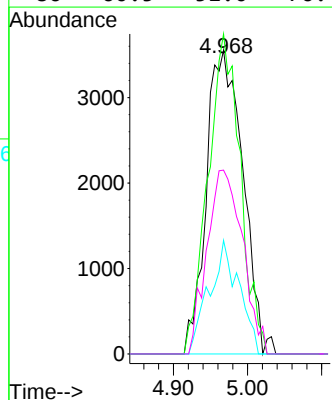
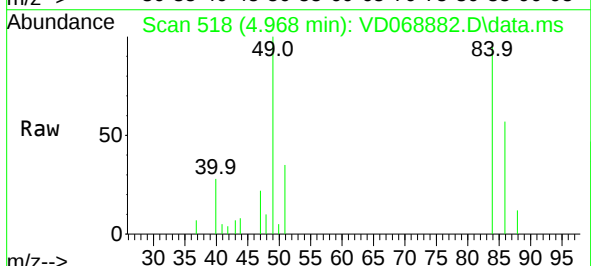
Instrument :
MSVOA_D
ClientSampled :
WC-4

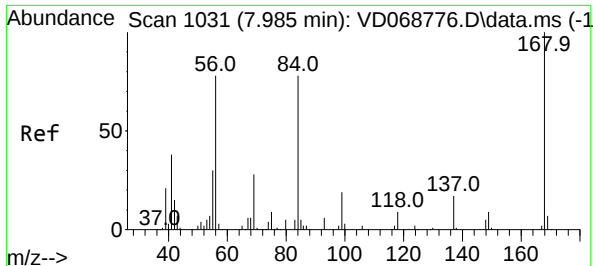
Tgt Ion: 43 Resp: 2024
Ion Ratio Lower Upper
43 100
58 60.5 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. -0.005 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

Tgt Ion: 84 Resp: 12132
Ion Ratio Lower Upper
84 100
49 105.3 83.4 125.0
51 37.4 23.4 35.2#
86 60.5 51.0 76.4

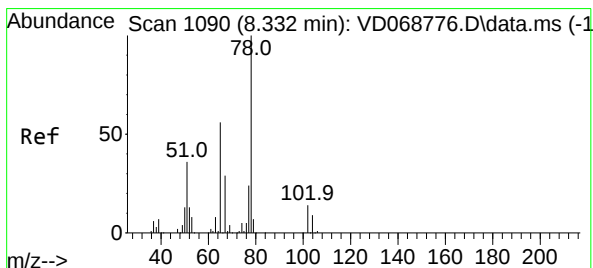
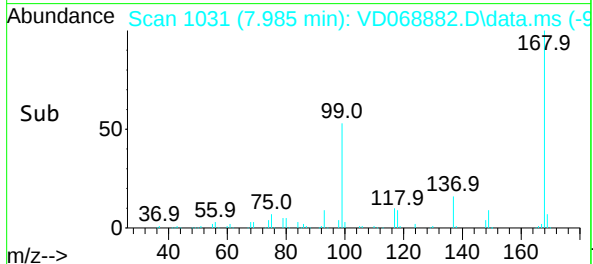
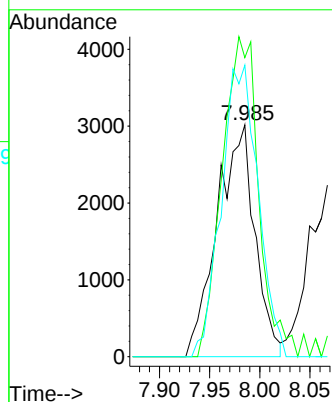
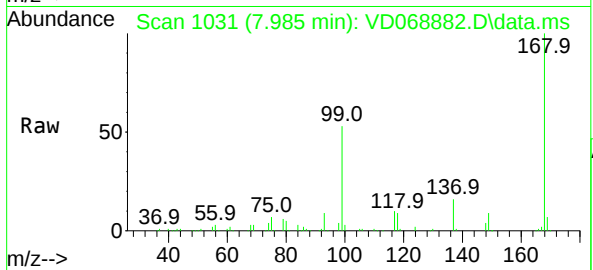




#31
Cyclohexane
Concen: 1.62 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

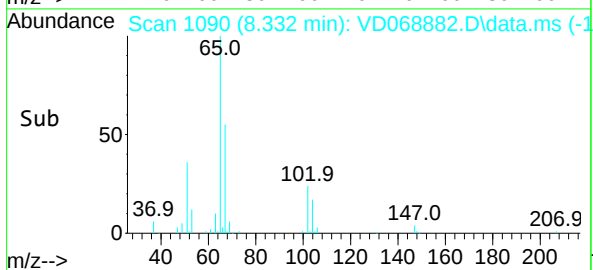
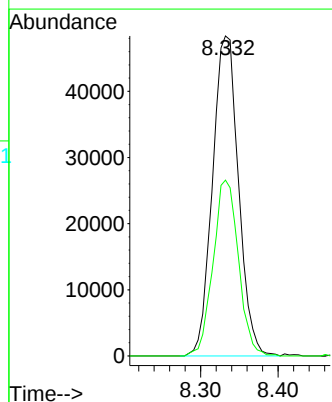
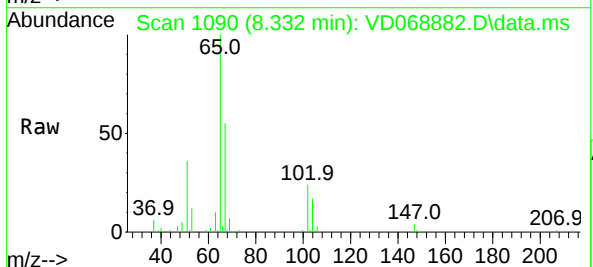
Instrument :
MSVOA_D
ClientSampled :
WC-4

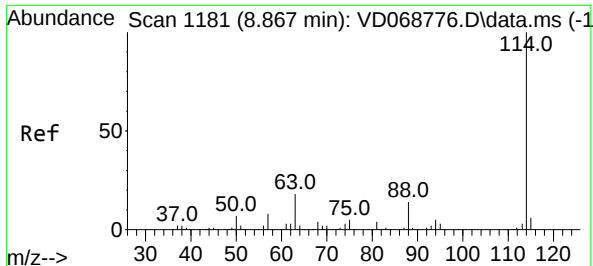
Tgt Ion: 56 Resp: 7910
Ion Ratio Lower Upper
56 100
69 129.0 30.0 45.0#
84 125.8 82.0 123.0#



#33
1,2-Dichloroethane-d4
Concen: 38.51 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

Tgt Ion: 65 Resp: 112788
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.0

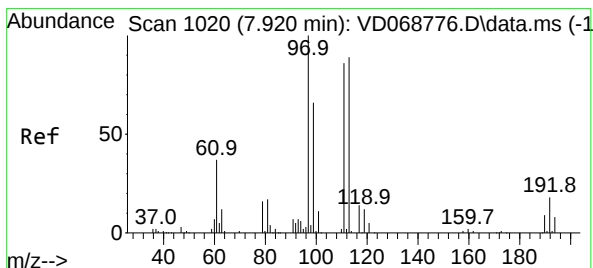
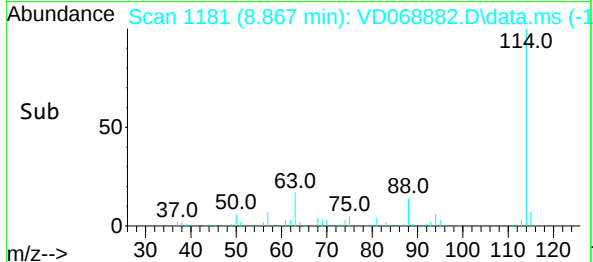
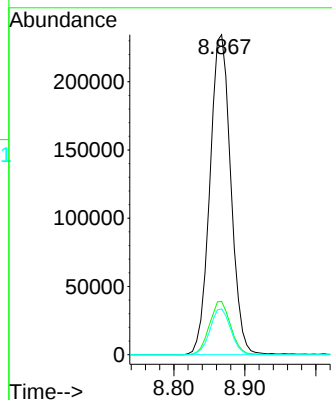
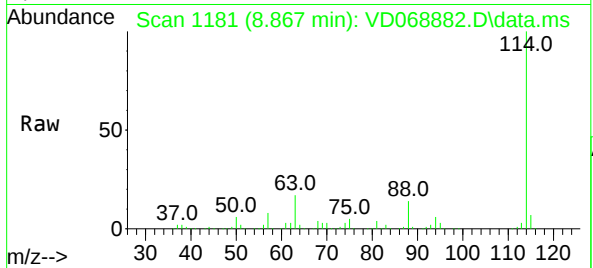




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

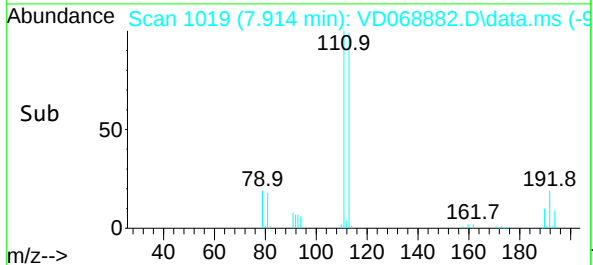
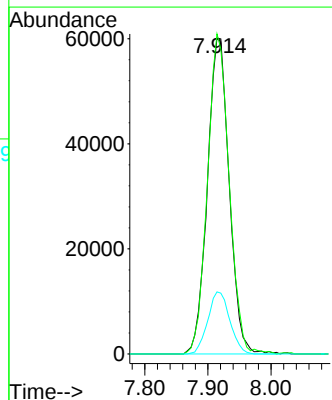
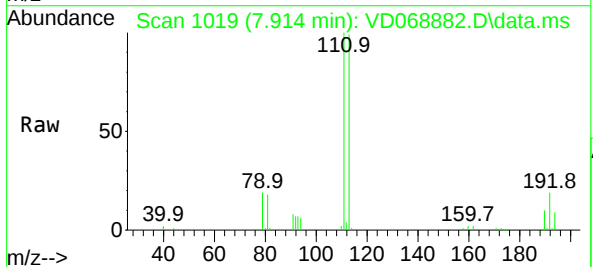
Instrument :
MSVOA_D
ClientSampled :
WC-4

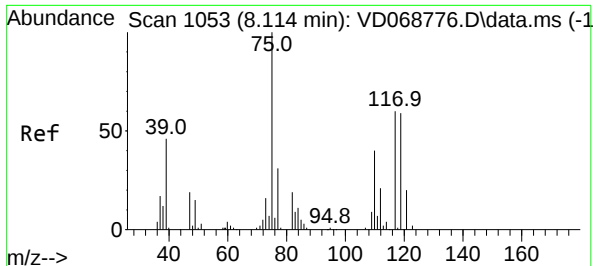
Tgt Ion:114 Resp: 478524
Ion Ratio Lower Upper
114 100
63 16.6 0.0 38.2
88 14.3 0.0 29.4



#35
Dibromofluoromethane
Concen: 46.35 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

Tgt Ion:113 Resp: 144259
Ion Ratio Lower Upper
113 100
111 100.7 82.5 123.7
192 19.8 15.1 22.7



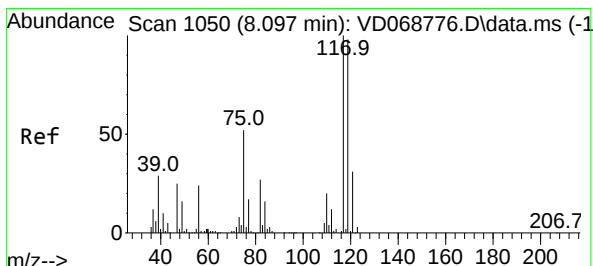
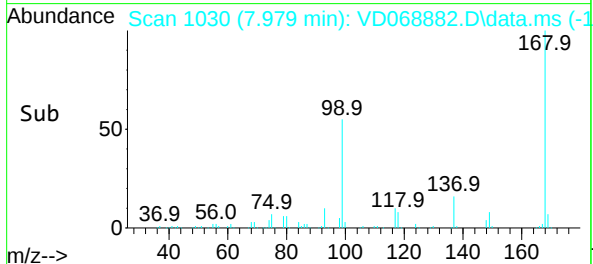
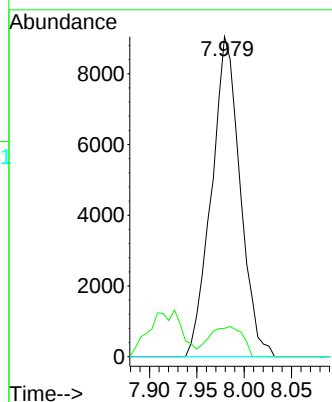
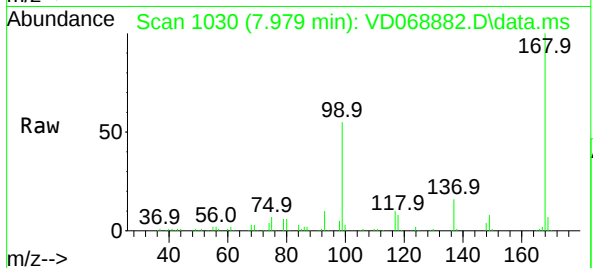


#36

1,1-Dichloropropene
Concen: 3.93 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

Instrument :
MSVOA_D
ClientSampled :
WC-4

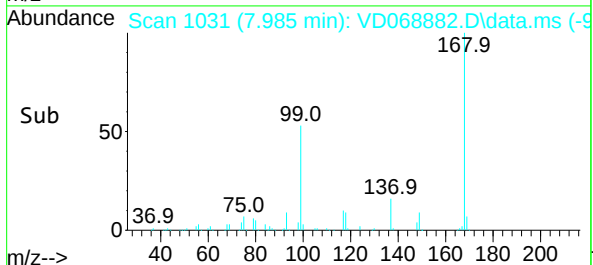
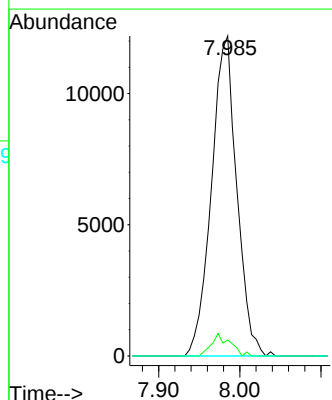
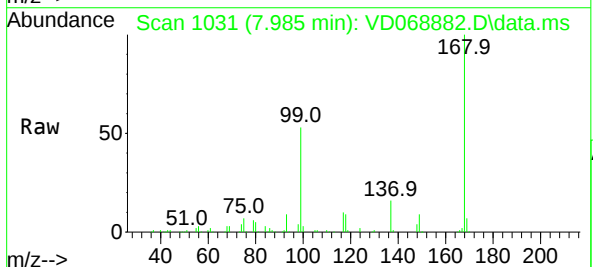
Tgt Ion: 75 Resp: 19022
Ion Ratio Lower Upper
75 100
110 10.9 18.1 54.4#
77 0.0 24.7 37.1#

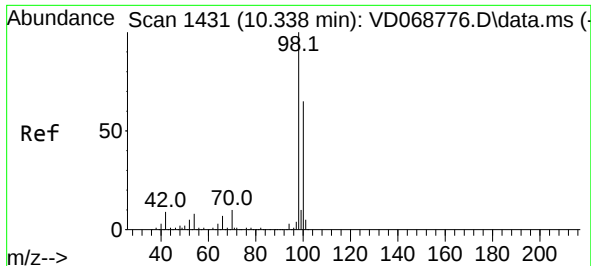


#38

Carbon Tetrachloride
Concen: 5.52 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

Tgt Ion: 117 Resp: 26453
Ion Ratio Lower Upper
117 100
119 5.0 76.6 115.0#
121 0.0 26.1 39.1#

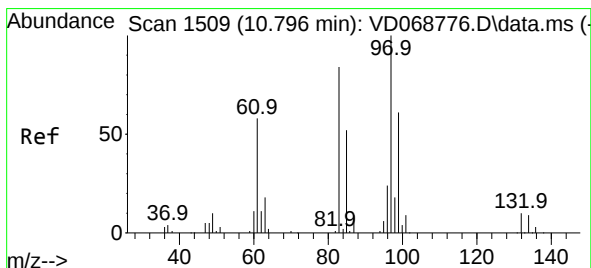
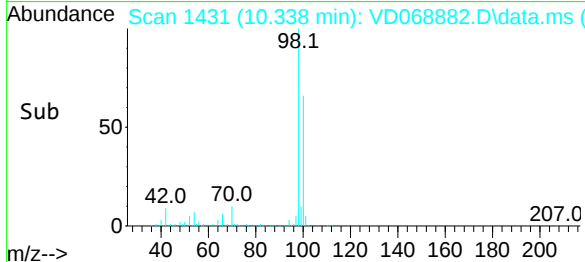
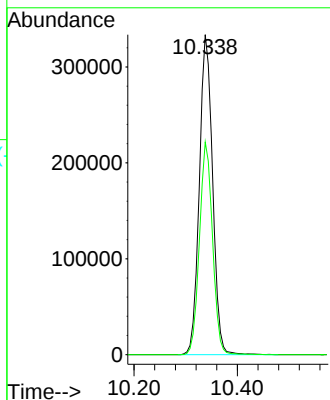
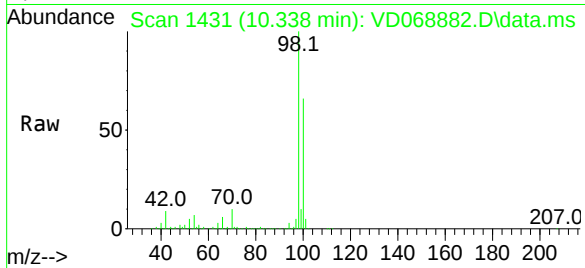




#50
Toluene-d8
Concen: 50.54 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

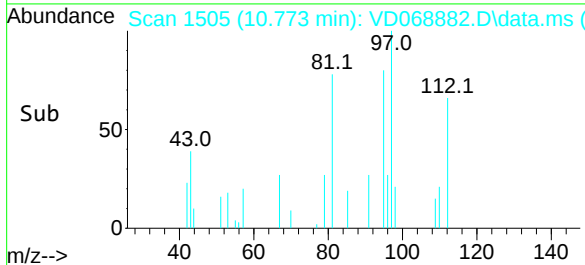
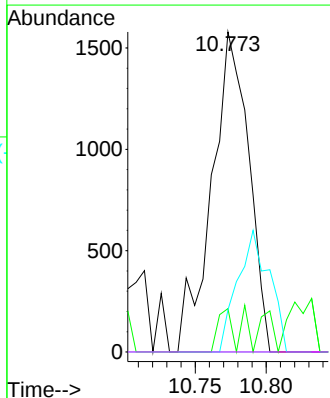
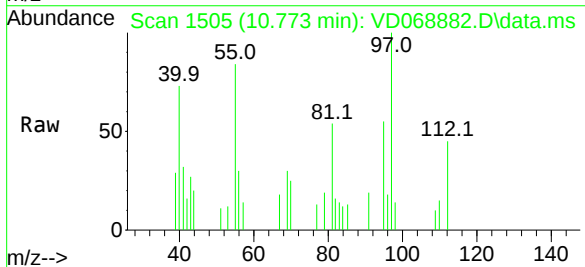
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MSVOA_D
ClientSampleId :
WC-4

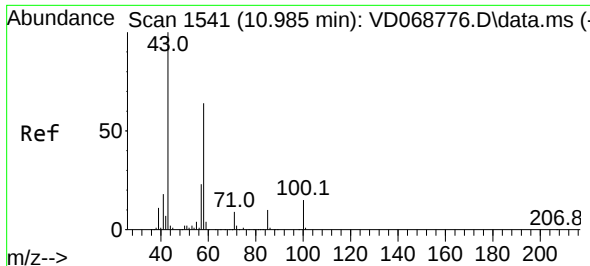
Tgt Ion: 98 Resp: 593390
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.6



#55
1,1,2-Trichloroethane
Concen: 1.07 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.023 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

Tgt Ion: 97 Resp: 2864
Ion Ratio Lower Upper
97 100
83 13.6 65.7 98.5#
85 13.2 44.3 66.5#
99 0.0 51.4 77.2#

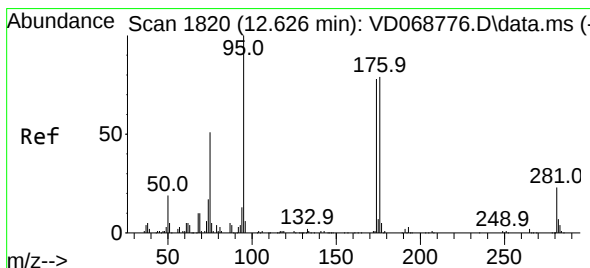
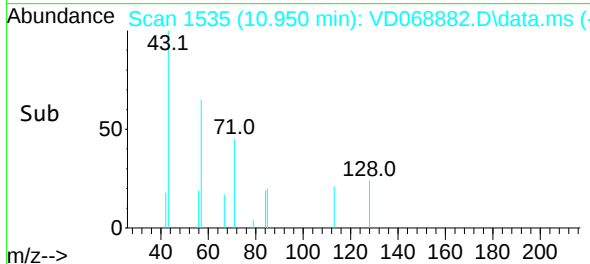
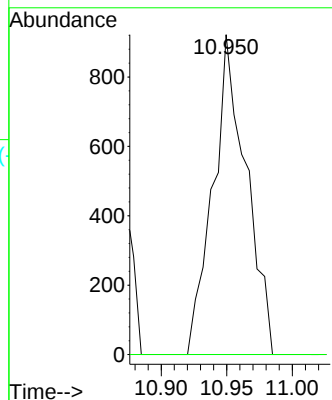
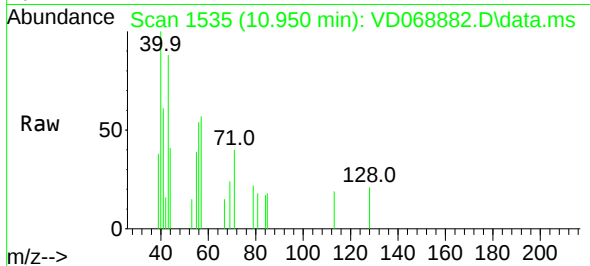




#59
2-Hexanone
Concen: 1.66 ug/l
RT: 10.950 min Scan# 1535
Delta R.T. -0.035 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

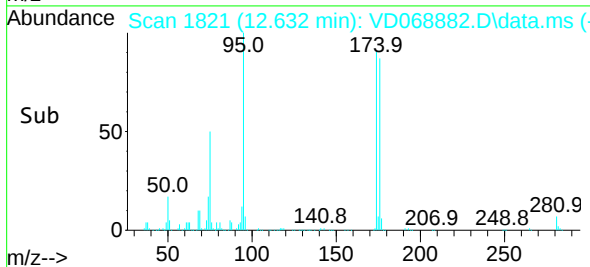
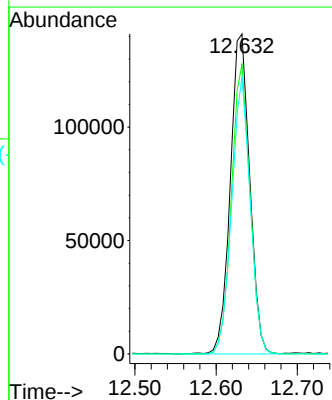
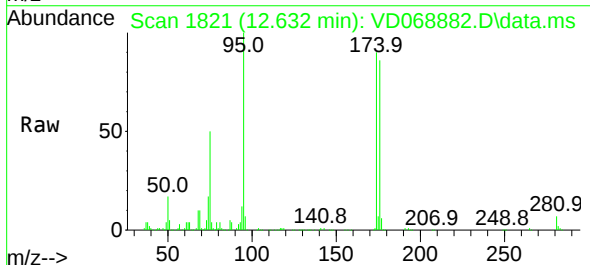
Instrument :
MSVOA_D
ClientSampled :
WC-4

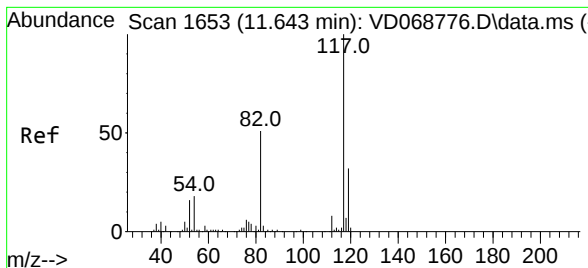
Tgt Ion: 43 Resp: 1625
Ion Ratio Lower Upper
43 100
58 0.0 31.3 93.8#



#62
4-Bromofluorobenzene
Concen: 60.05 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

Tgt Ion: 95 Resp: 234193
Ion Ratio Lower Upper
95 100
174 86.3 0.0 168.0
176 82.3 0.0 160.2

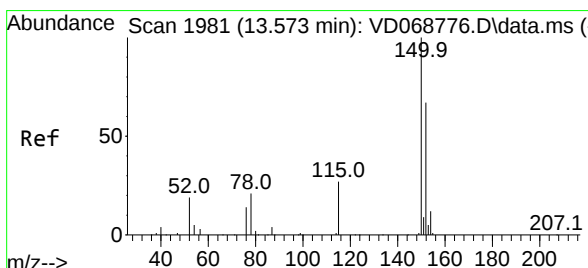
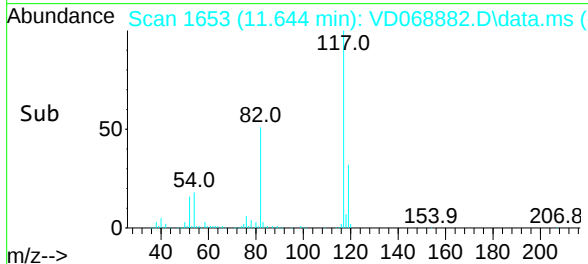
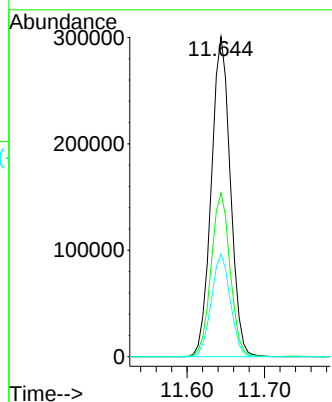
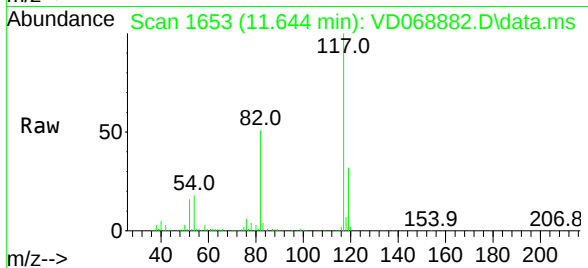




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

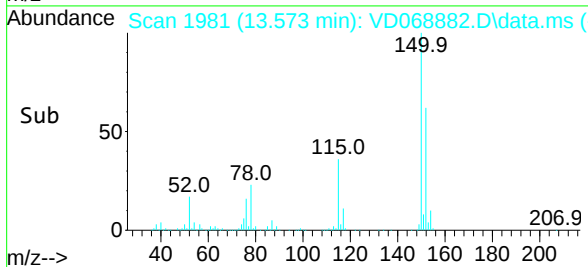
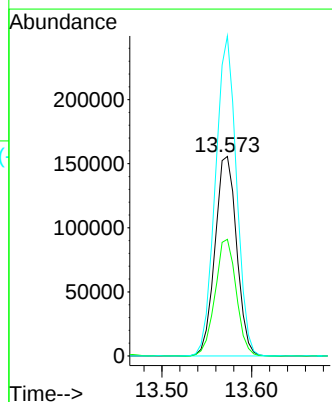
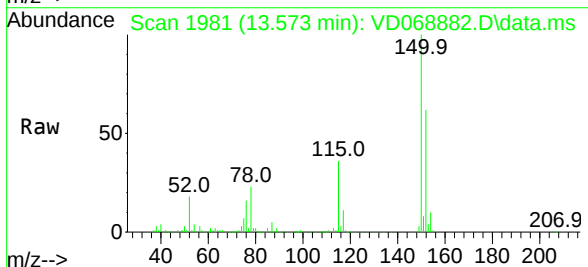
Instrument :
MSVOA_D
ClientSampleId :
WC-4

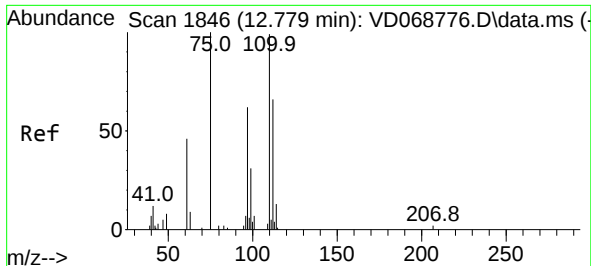
Tgt Ion:117 Resp: 514866
Ion Ratio Lower Upper
117 100
82 51.2 43.5 65.3
119 32.0 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

Tgt Ion:152 Resp: 260546
Ion Ratio Lower Upper
152 100
115 57.2 29.3 87.8
150 155.9 0.0 347.6

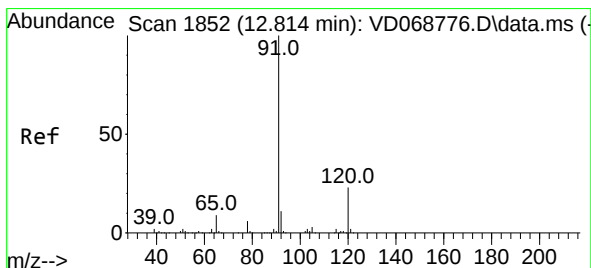
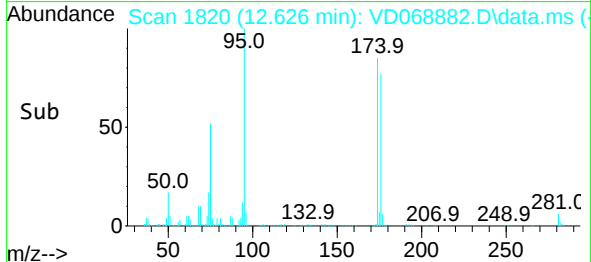
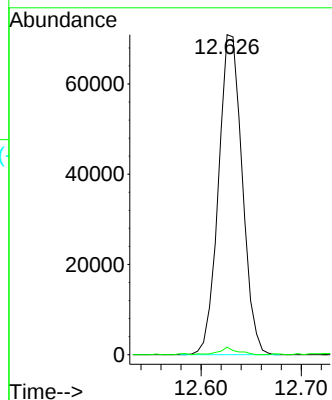
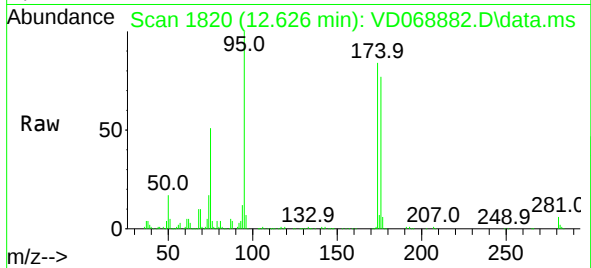




#76
1,2,3-Trichloropropane
Concen: 49.01 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

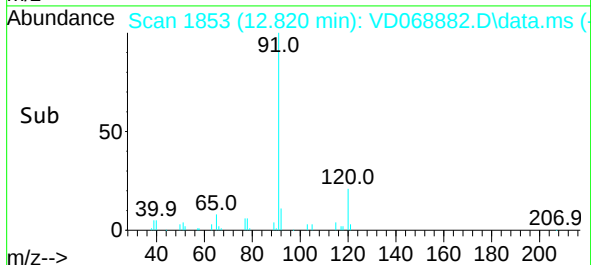
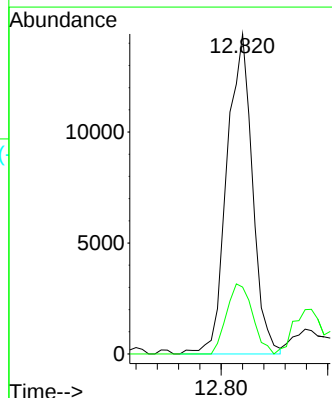
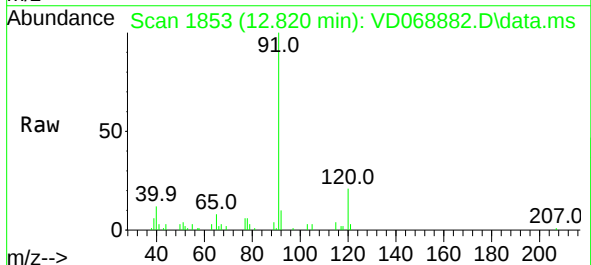
Instrument :
MSVOA_D
ClientSampled :
WC-4

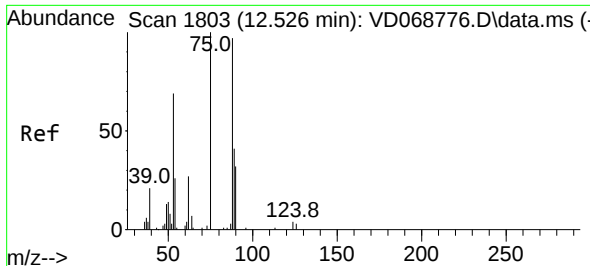
Tgt Ion: 75 Resp: 116650
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#78
n-propylbenzene
Concen: 1.04 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

Tgt Ion: 91 Resp: 23946
Ion Ratio Lower Upper
91 100
120 22.3 11.4 34.2

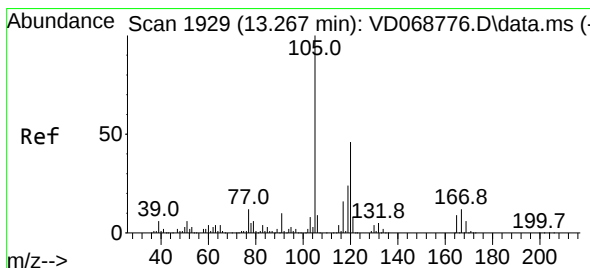
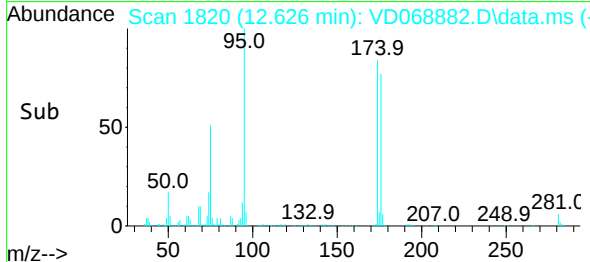
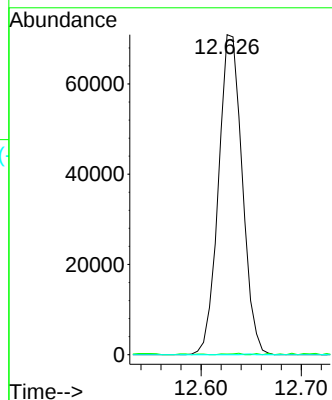
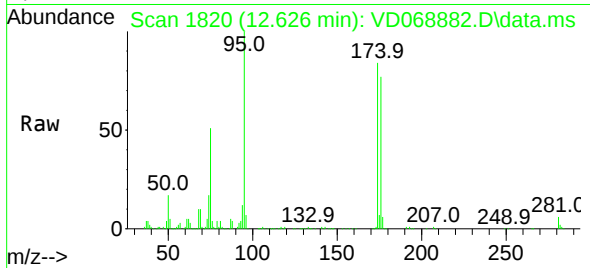




#81
trans-1,4-Dichloro-2-butene
Concen: 113.73 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

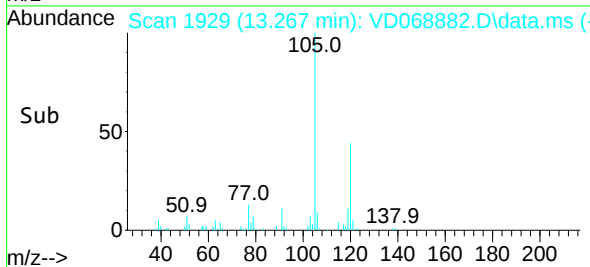
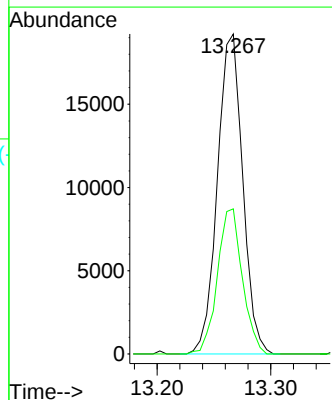
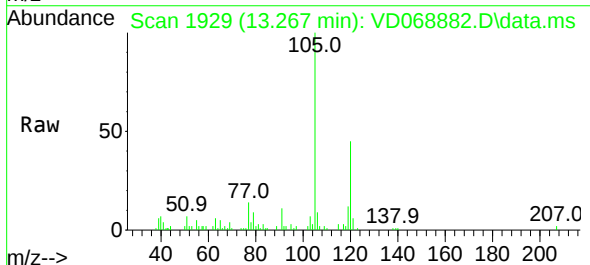
Instrument :
MSVOA_D
ClientSampleId :
WC-4

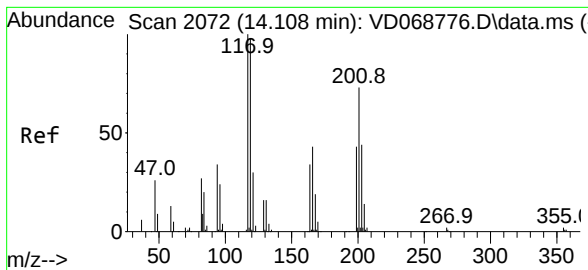
Tgt Ion: 75 Resp: 116650
Ion Ratio Lower Upper
75 100
53 0.3 66.8 100.2#
89 0.0 36.6 54.8#



#84
1,2,4-Trimethylbenzene
Concen: 1.85 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

Tgt Ion:105 Resp: 29747
Ion Ratio Lower Upper
105 100
120 44.7 22.6 67.7

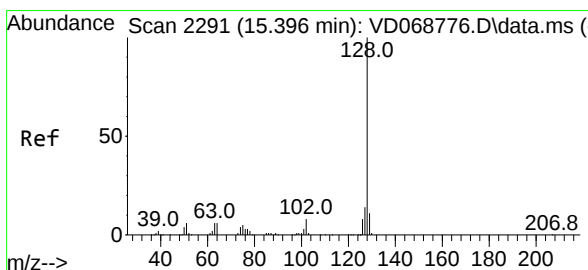
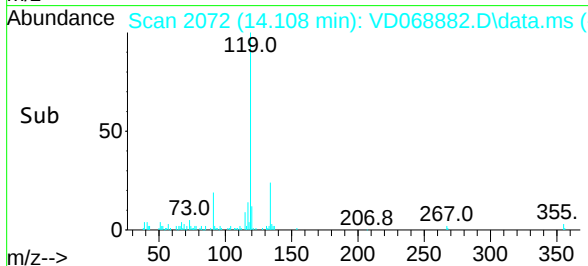
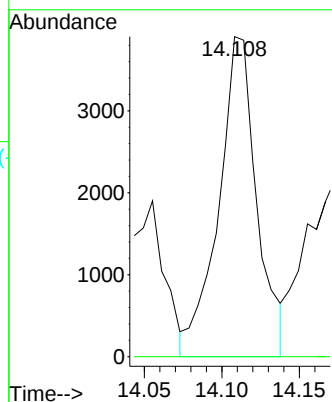
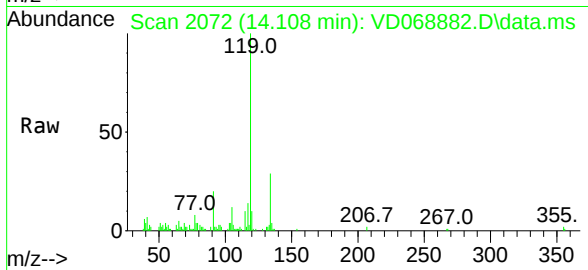




#90
Hexachloroethane
Concen: 1.92 ug/l
RT: 14.108 min Scan# 2072
Delta R.T. 0.000 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

Instrument :
MSVOA_D
ClientSampled :
WC-4

Tgt Ion:117 Resp: 6666
Ion Ratio Lower Upper
117 100
201 0.0 35.4 106.2#



#95
Naphthalene
Concen: 1.25 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD068882.D
Acq: 16 Apr 2021 18:15

Tgt Ion:128 Resp: 10561
Ion Ratio Lower Upper
128 100
127 14.2 10.2 15.4
129 10.7 8.9 13.3

