

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041521\
 Data File : VD068857.D
 Acq On : 15 Apr 2021 15:43
 Operator : VA/SY
 Sample : M2042-06
 Misc : 5.81G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 16 01:09:19 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)

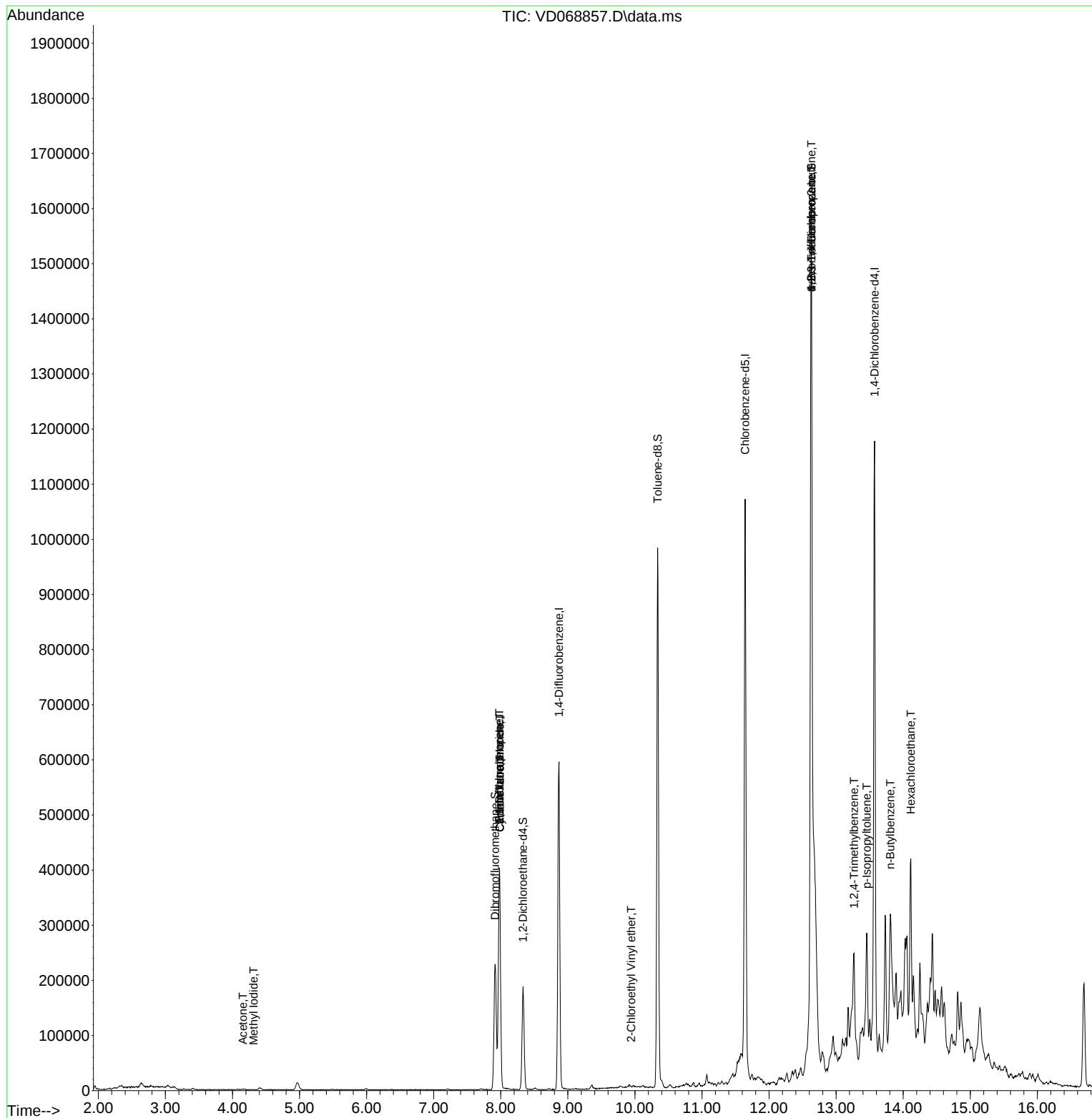
Internal Standards						
1) Pentafluorobenzene	7.979	168	314679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	545238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	613381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	315190	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	144320	43.40	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.80%		
35) Dibromofluoromethane	7.914	113	171097	48.24	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.48%		
50) Toluene-d8	10.338	98	686783	51.33	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.66%		
62) 4-Bromofluorobenzene	12.632	95	292295	65.78	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	131.56%		
Target Compounds						
10) Methyl Iodide	4.314	142	555	2.39	ug/l #	52
16) Acetone	4.156	43	2495	5.42	ug/l #	86
20) Methylene Chloride	4.973	84	11531	Below Cal	#	84
31) Cyclohexane	7.985	56	6950	1.26	ug/l #	21
36) 1,1-Dichloropropene	7.979	75	22980	4.16	ug/l #	48
38) Carbon Tetrachloride	7.985	117	30802	5.64	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.944	63	139	17.07	ug/l #	44
76) 1,2,3-Trichloropropane	12.632	75	153891	53.44	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	153891	124.03	ug/l #	18
84) 1,2,4-Trimethylbenzene	13.267	105	84157	4.33	ug/l	100
86) p-Isopropyltoluene	13.455	119	84682	4.02	ug/l	94
89) n-Butylbenzene	13.808	91	40765	2.06	ug/l #	9
90) Hexachloroethane	14.114	117	22879	5.46	ug/l #	14

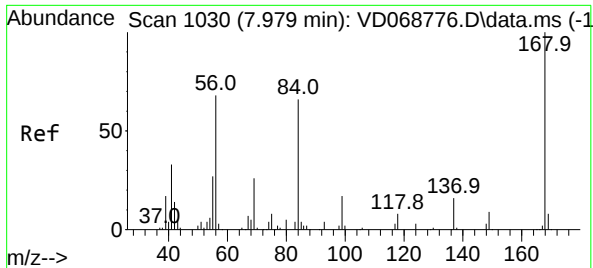
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 16 01:09:19 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

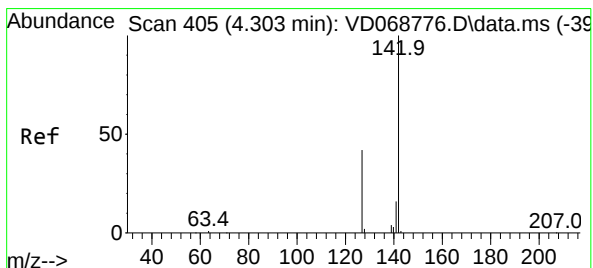
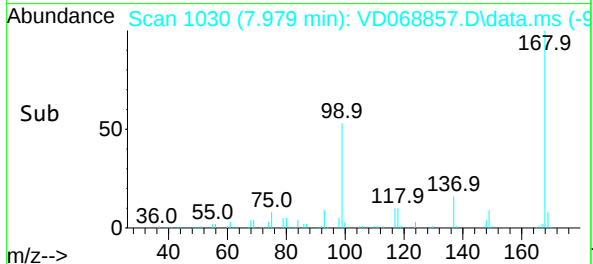
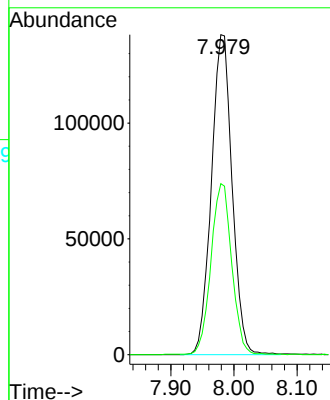
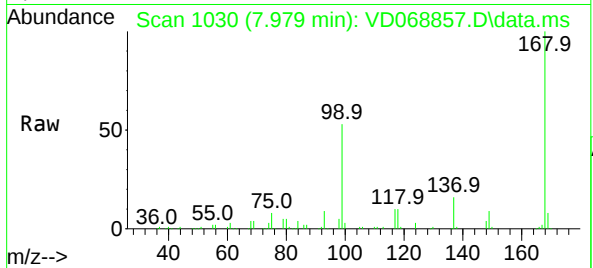




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43

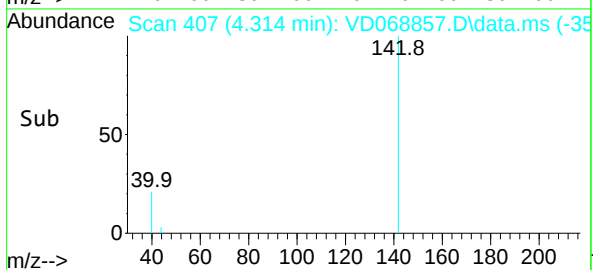
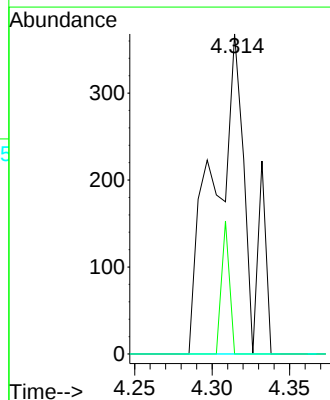
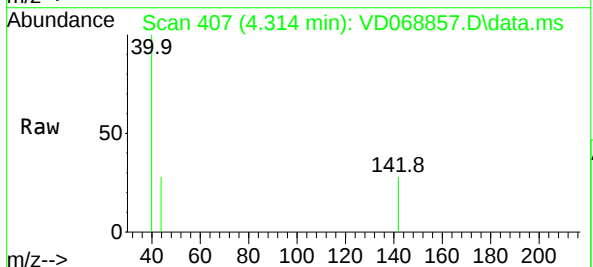
Instrument :
MSVOA_D
ClientSampled :

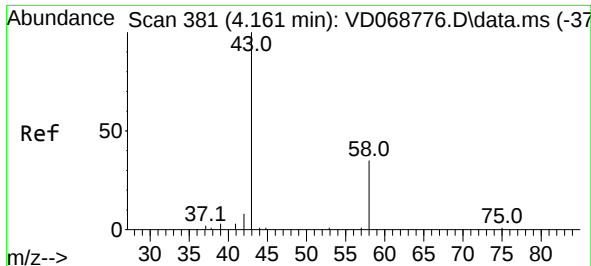
Tgt Ion:168 Resp: 314679
Ion Ratio Lower Upper
168 100
99 53.3 46.2 69.2



#10
Methyl Iodide
Concen: 2.39 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43

Tgt Ion:142 Resp: 555
Ion Ratio Lower Upper
142 100
127 9.7 34.7 52.1#
141 0.0 11.0 16.4#

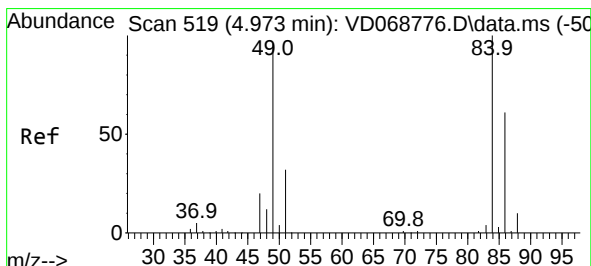
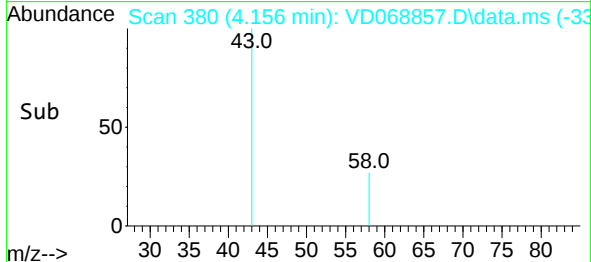
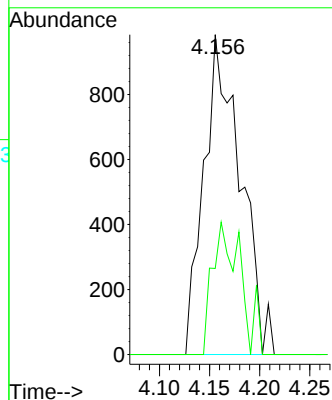
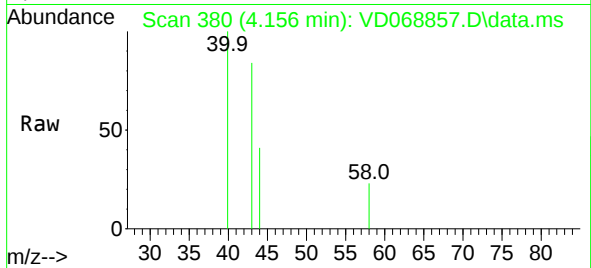




#16
Acetone
Concen: 5.42 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.005 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43

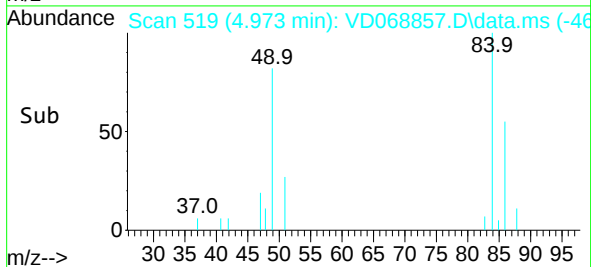
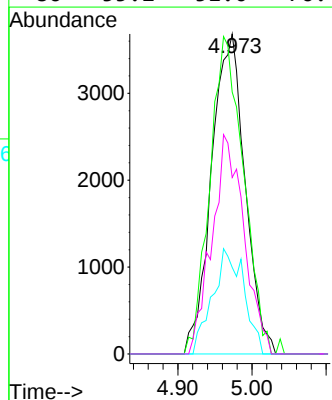
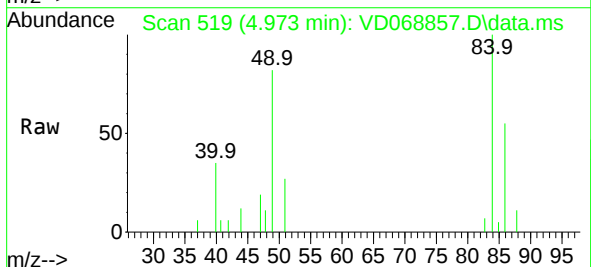
Instrument :
MSVOA_D
ClientSampled :

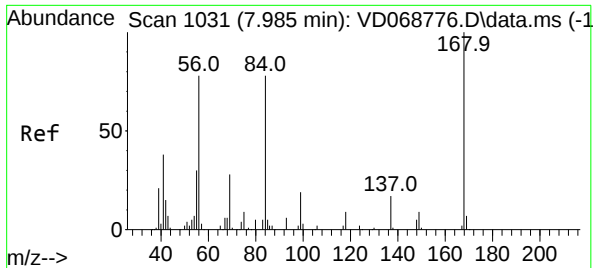
Tgt Ion: 43 Resp: 2495
Ion Ratio Lower Upper
43 100
58 26.9 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43

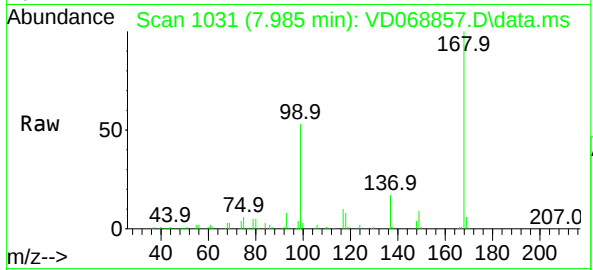
Tgt Ion: 84 Resp: 11531
Ion Ratio Lower Upper
84 100
49 81.9 83.4 125.0#
51 27.0 23.4 35.2
86 55.2 51.0 76.4



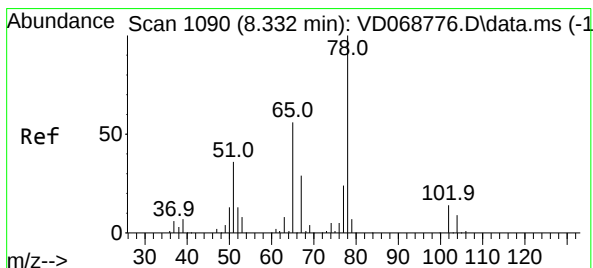
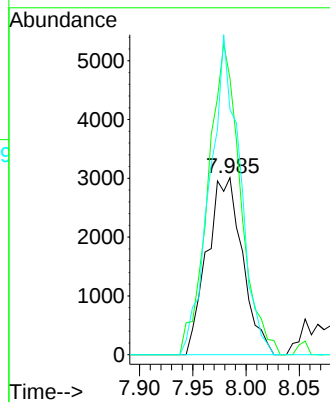
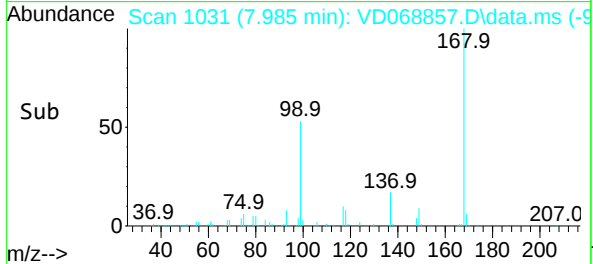


#31
Cyclohexane
Concen: 1.26 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43

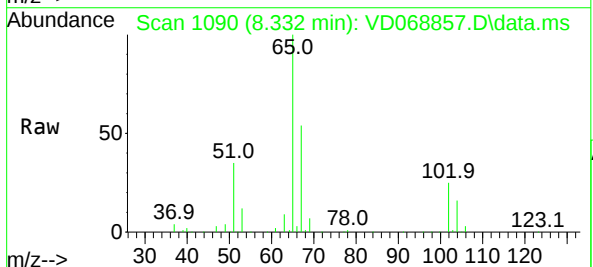
Instrument :
MSVOA_D
ClientSampleId :



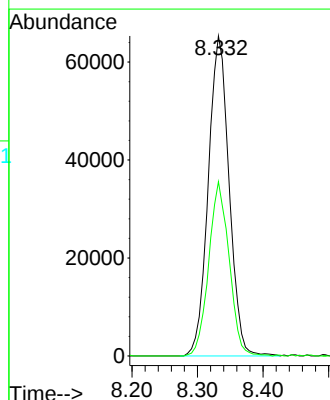
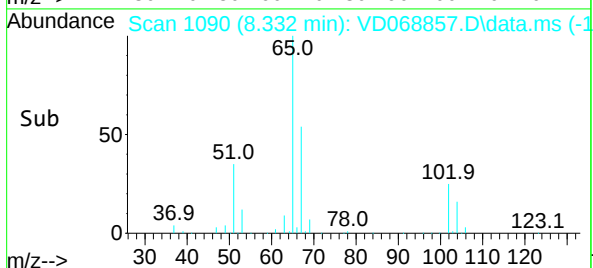
Tgt Ion:	56	Resp:	6950
Ion Ratio	Lower	Upper	
56	100		
69	156.2	30.0	45.0#
84	138.4	82.0	123.0#

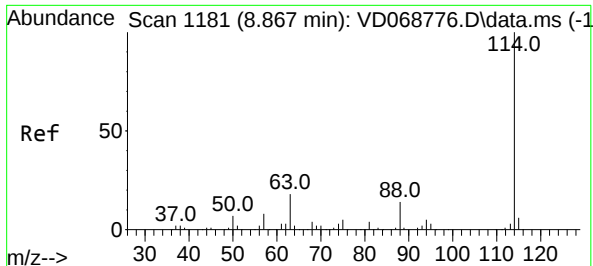


#33
1,2-Dichloroethane-d4
Concen: 43.40 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43



Tgt Ion:	65	Resp:	144320
Ion Ratio	Lower	Upper	
65	100		
67	53.2	0.0	106.0

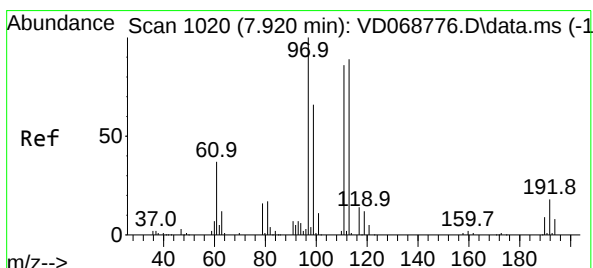
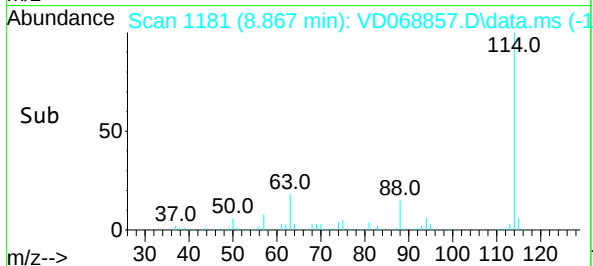
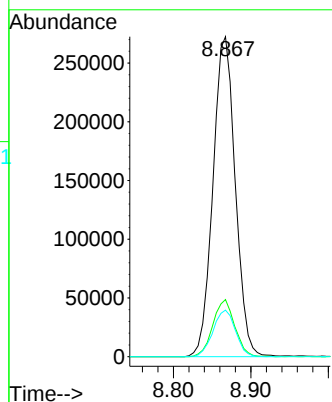
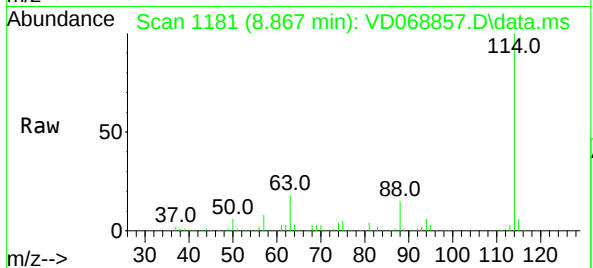




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43

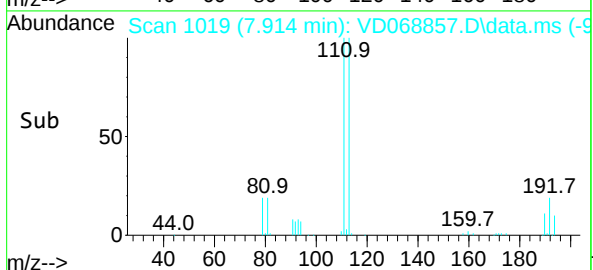
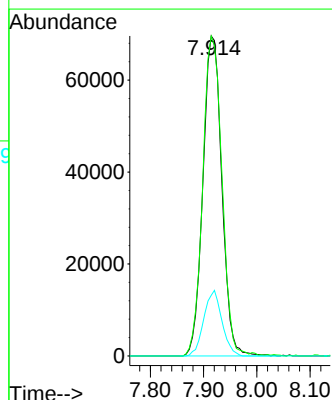
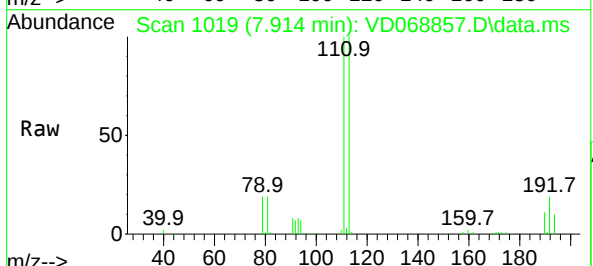
Instrument :
MSVOA_D
ClientSampled :

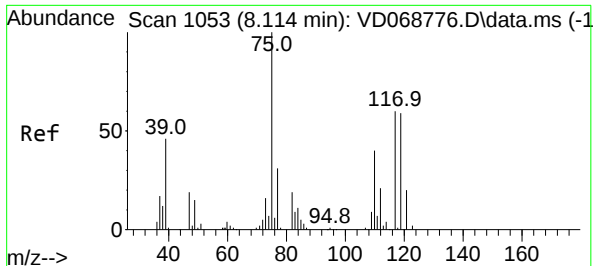
Tgt Ion:114 Resp: 545238
Ion Ratio Lower Upper
114 100
63 17.8 0.0 38.2
88 14.6 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.24 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43

Tgt Ion:113 Resp: 171097
Ion Ratio Lower Upper
113 100
111 101.9 82.5 123.7
192 19.7 15.1 22.7



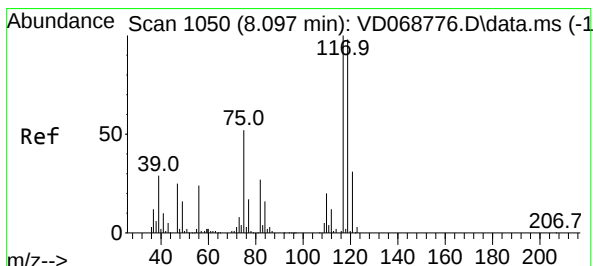
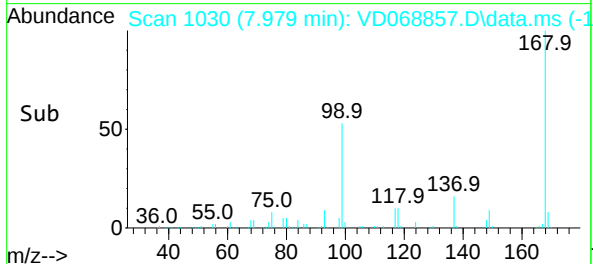
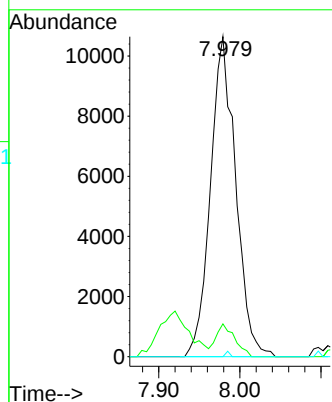
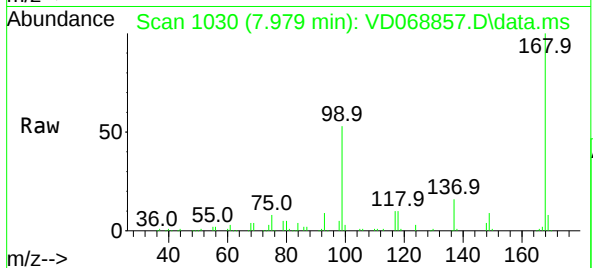


#36

1,1-Dichloropropene
Concen: 4.16 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43

Instrument :
MSVOA_D
ClientSampled :

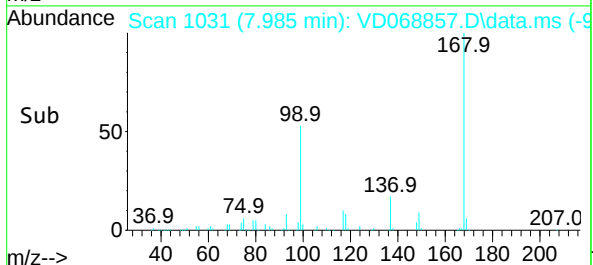
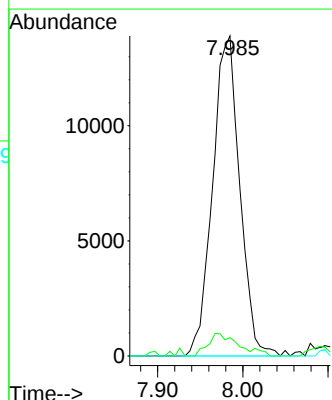
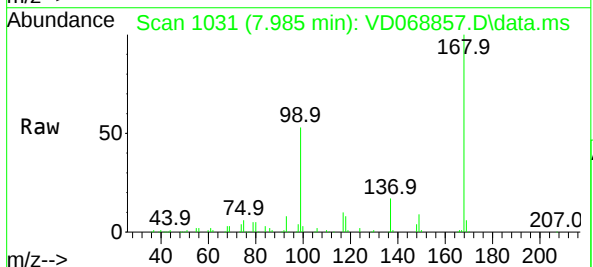
Tgt Ion: 75 Resp: 22980
Ion Ratio Lower Upper
75 100
110 7.6 18.1 54.4#
77 0.3 24.7 37.1#

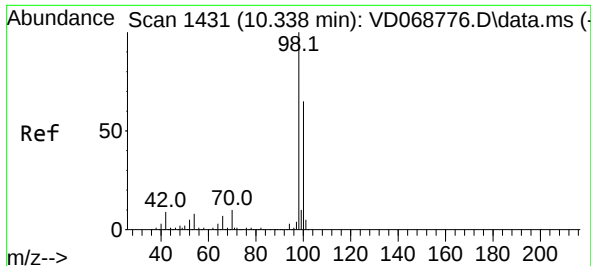


#38

Carbon Tetrachloride
Concen: 5.64 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43

Tgt Ion: 117 Resp: 30802
Ion Ratio Lower Upper
117 100
119 5.7 76.6 115.0#
121 0.0 26.1 39.1#

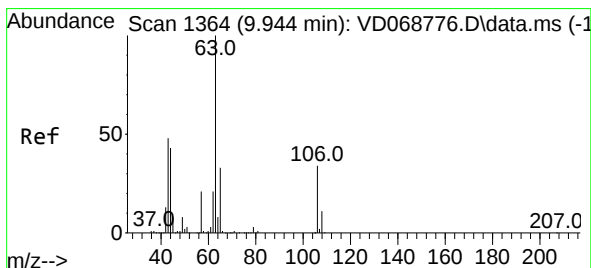
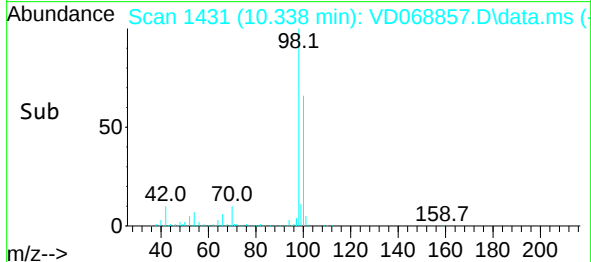
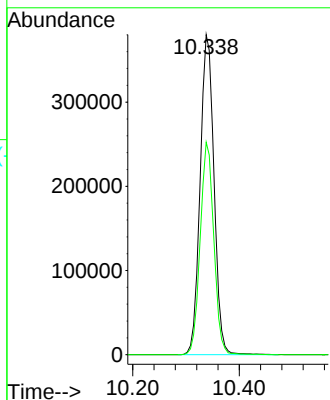
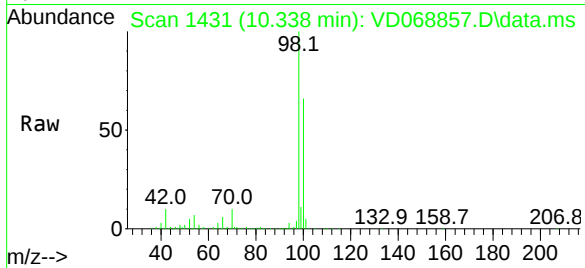




#50
Toluene-d8
Concen: 51.33 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43

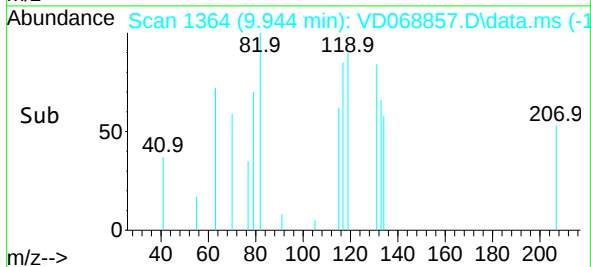
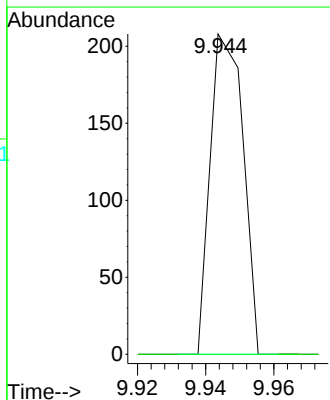
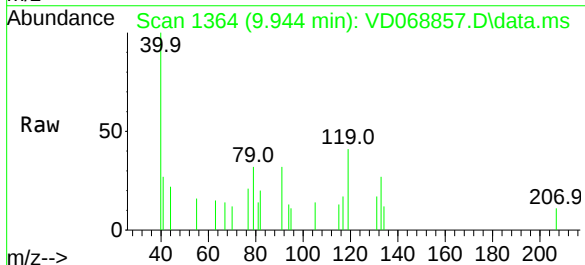
Instrument :
MSVOA_D
ClientSampleId :

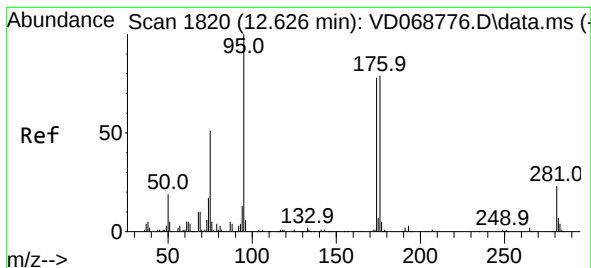
Tgt Ion: 98 Resp: 686783
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6



#58
2-Chloroethyl Vinyl ether
Concen: 17.07 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. -0.000 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43

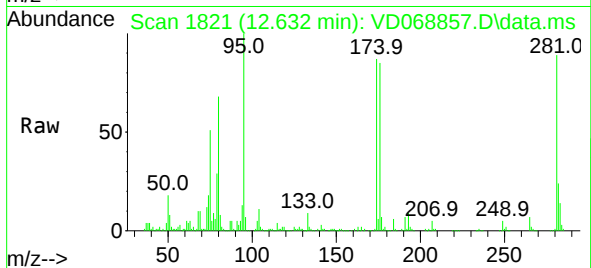
Tgt Ion: 63 Resp: 139
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#



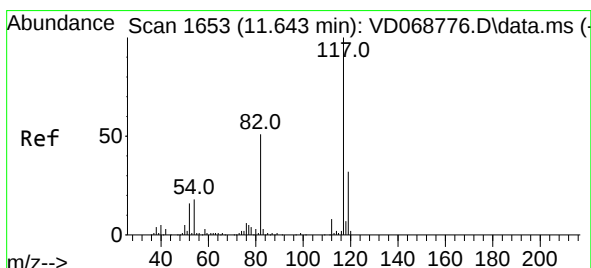
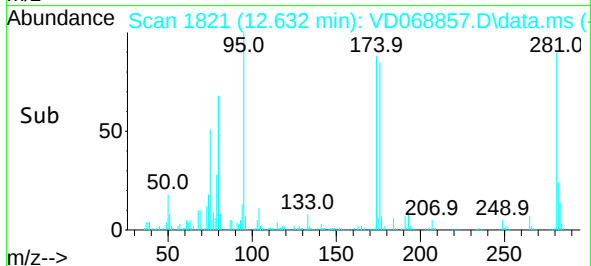
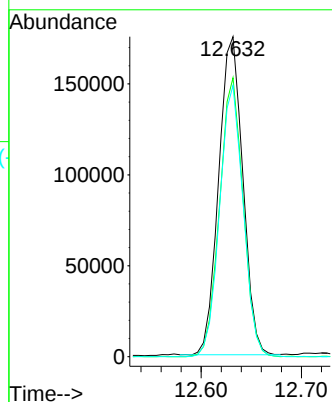


#62
4-Bromofluorobenzene
Concen: 65.78 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43

Instrument :
MSVOA_D
ClientSampleId :

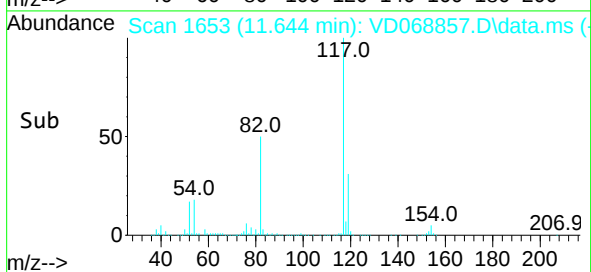
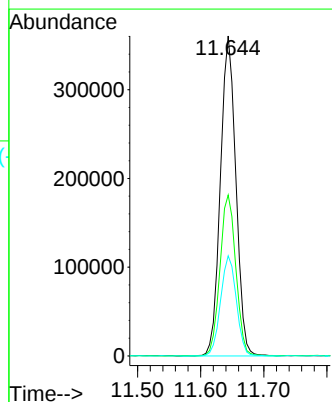
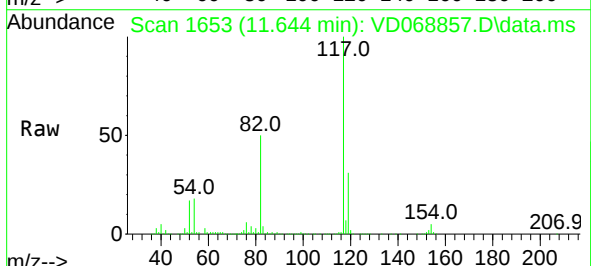


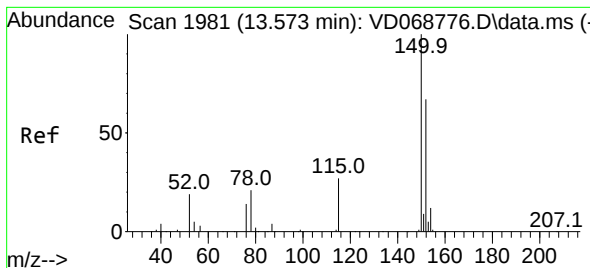
Tgt Ion: 95 Resp: 292295
Ion Ratio Lower Upper
95 100
174 85.5 0.0 168.0
176 83.1 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43

Tgt Ion: 117 Resp: 613381
Ion Ratio Lower Upper
117 100
82 50.3 43.5 65.3
119 31.3 26.7 40.1

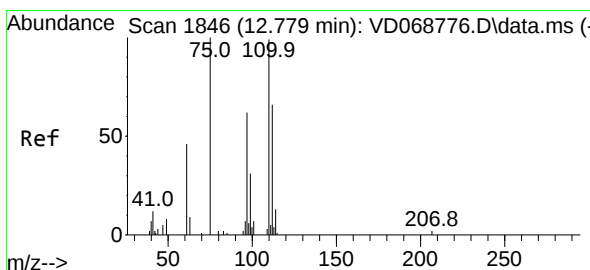
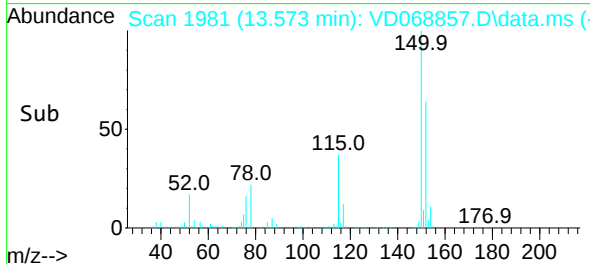
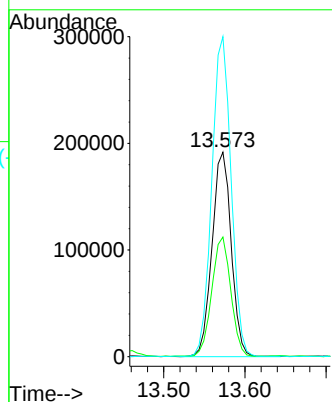
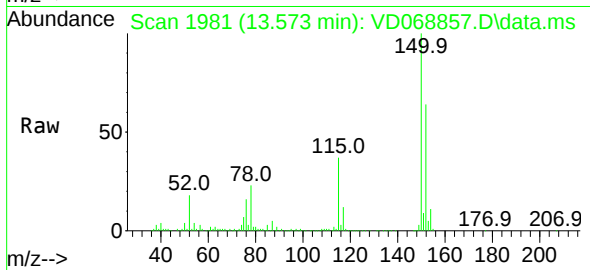




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43

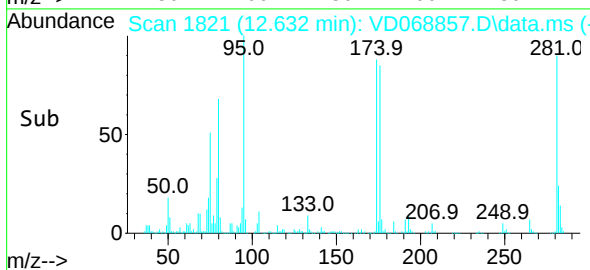
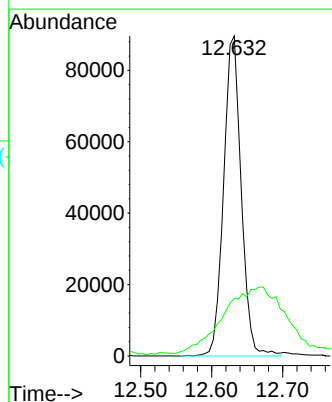
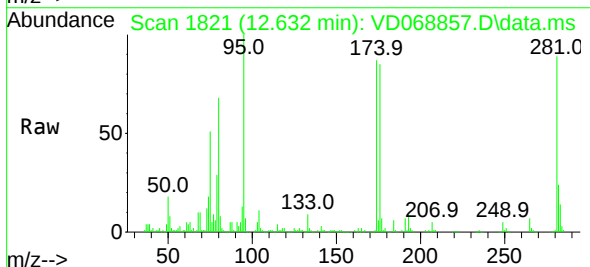
Instrument :
MSVOA_D
ClientSampled :

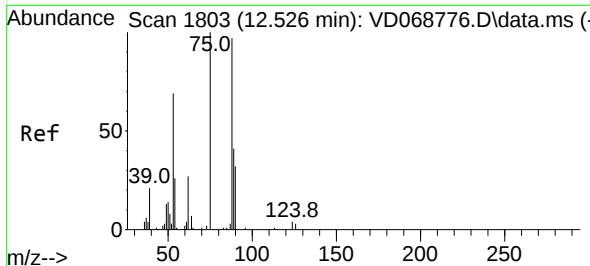
Tgt Ion:152 Resp: 315190
Ion Ratio Lower Upper
152 100
115 57.8 29.3 87.8
150 156.3 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 53.44 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43

Tgt Ion: 75 Resp: 153891
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

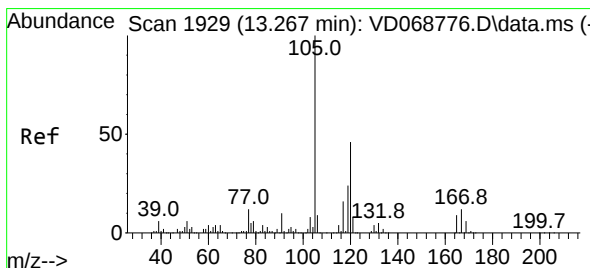
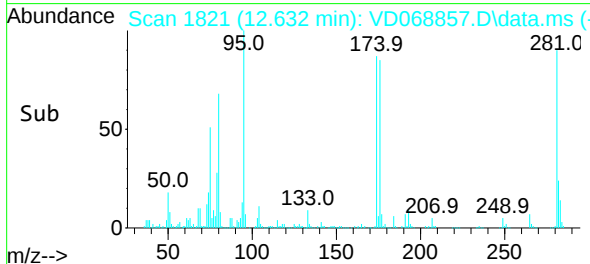
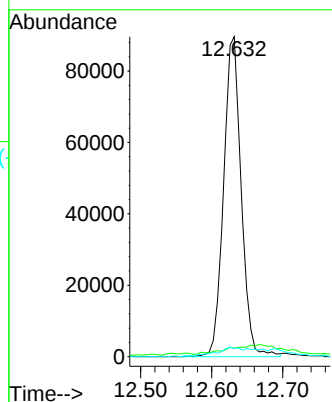
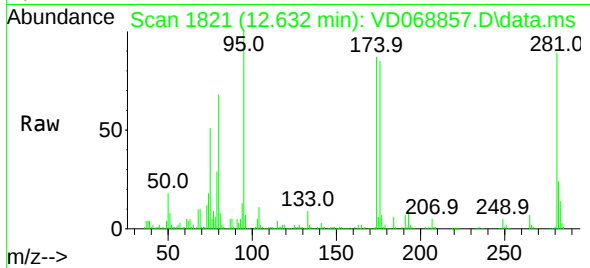




#81
trans-1,4-Dichloro-2-butene
Concen: 124.03 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43

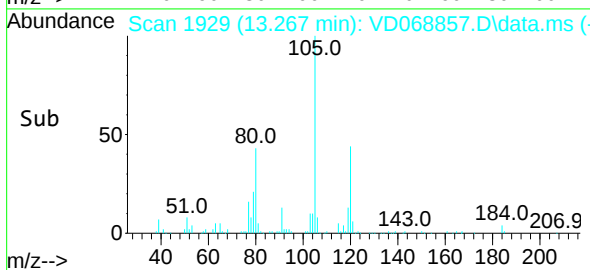
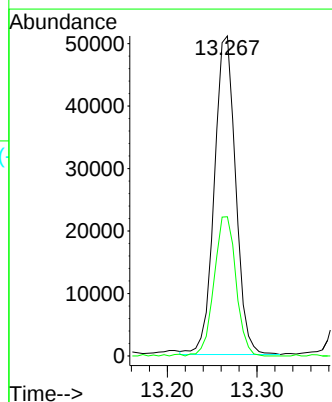
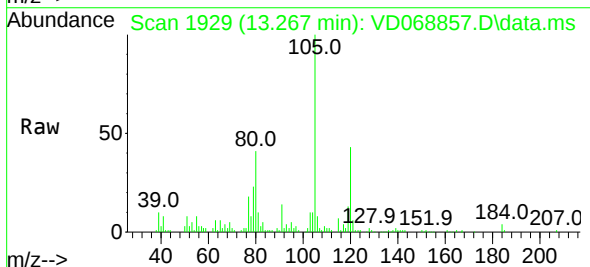
Instrument :
MSVOA_D
ClientSampleId :

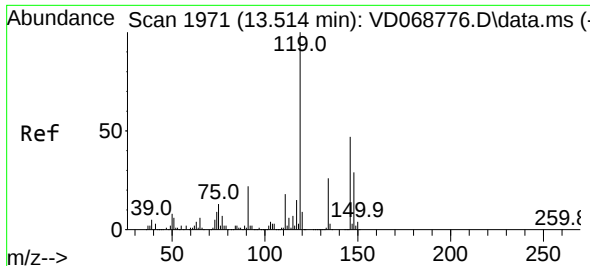
Tgt Ion: 75 Resp: 153891
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 4.2 36.6 54.8#



#84
1,2,4-Trimethylbenzene
Concen: 4.33 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. -0.000 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43

Tgt Ion:105 Resp: 84157
Ion Ratio Lower Upper
105 100
120 44.9 22.6 67.7

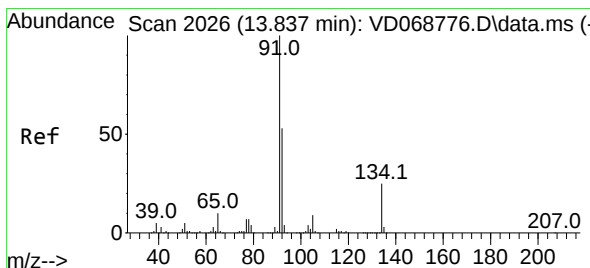
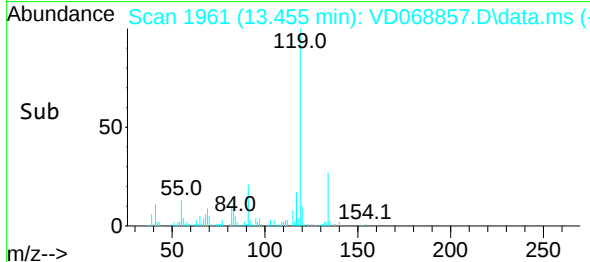
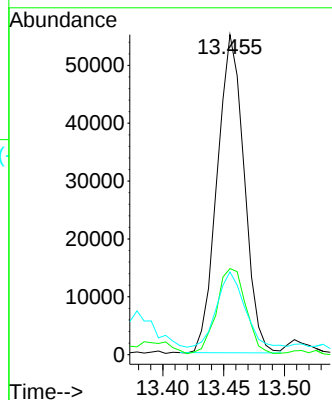
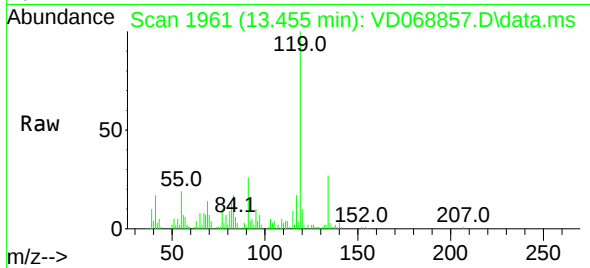




#86
p-Isopropyltoluene
Concen: 4.02 ug/l
RT: 13.455 min Scan# 1961
Delta R.T. -0.059 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43

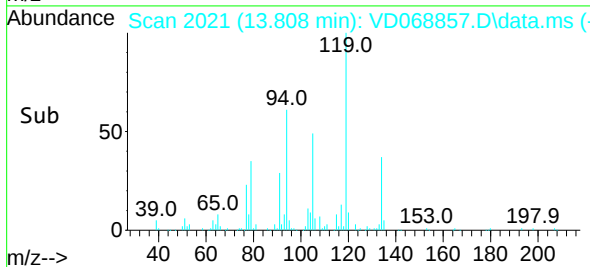
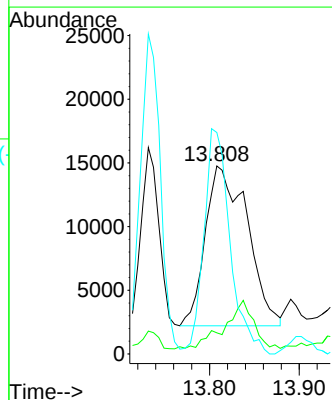
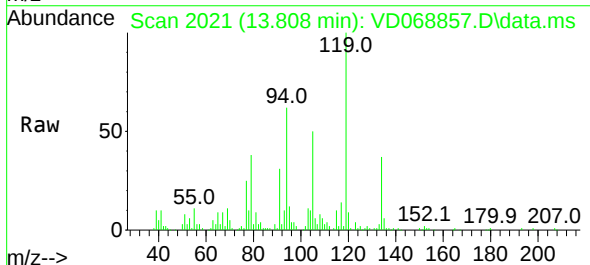
Instrument :
MSVOA_D
ClientSampleId :

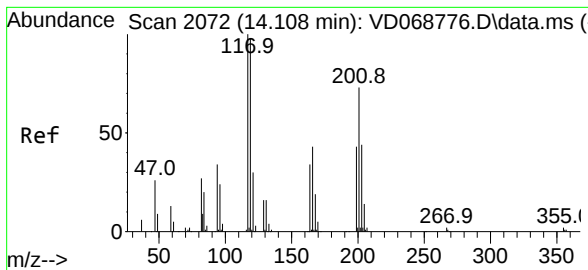
Tgt Ion:119 Resp: 84682
Ion Ratio Lower Upper
119 100
134 29.9 13.3 39.9
91 24.3 11.1 33.1



#89
n-Butylbenzene
Concen: 2.06 ug/l
RT: 13.808 min Scan# 2021
Delta R.T. -0.029 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43

Tgt Ion: 91 Resp: 40765
Ion Ratio Lower Upper
91 100
92 0.0 26.7 80.1#
134 88.1 12.9 38.6#





#90
Hexachloroethane
Concen: 5.46 ug/l
RT: 14.114 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VD068857.D
Acq: 15 Apr 2021 15:43

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 22879
Ion Ratio Lower Upper
117 100
201 0.0 35.4 106.2#

