

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040821\
 Data File : VD068794.D
 Acq On : 08 Apr 2021 17:32
 Operator : VA/SY
 Sample : M1979-21
 Misc : 5.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 09 01:03:56 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

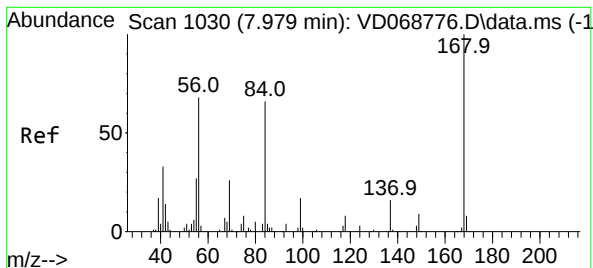
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.985	168	409945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	759696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	823080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	394810	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	196463	45.35	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.70%		
35) Dibromofluoromethane	7.920	113	241188	48.81	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.62%		
50) Toluene-d8	10.338	98	976531	52.39	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.78%		
62) 4-Bromofluorobenzene	12.632	95	389945	62.99	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	125.98%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.203	59	191	Below Cal	#	73
16) Acetone	4.168	43	4228	7.05 ug/l	#	81
20) Methylene Chloride	4.973	84	30050	1.52 ug/l	#	81
31) Cyclohexane	7.979	56	8396	1.16 ug/l	#	31
36) 1,1-Dichloropropene	7.979	75	29914	3.89 ug/l	#	49
38) Carbon Tetrachloride	7.979	117	40709	5.35 ug/l	#	15
51) 4-Methyl-2-Pentanone	10.267	43	2879	1.24 ug/l	#	55
55) 1,1,2-Trichloroethane	10.773	97	26296	6.21 ug/l	#	19
56) Ethyl methacrylate	10.685	69	6247	1.43 ug/l	#	34
74) N-amyl acetate	12.261	43	8811	1.80 ug/l	#	36
75) 1,1,2,2-Tetrachloroethane	12.697	83	9039	1.68 ug/l	#	35
76) 1,2,3-Trichloropropane	12.626	75	184200	51.07 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.626	75	184200	118.52 ug/l	#	16
86) p-Isopropyltoluene	13.667	119	31526	1.20 ug/l	#	85
90) Hexachloroethane	14.108	117	27930	5.32 ug/l	#	14

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

Quant Time: Apr 09 01:03:56 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

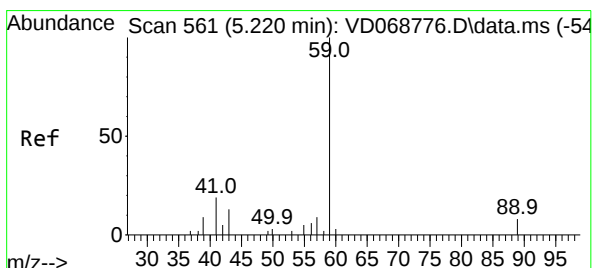
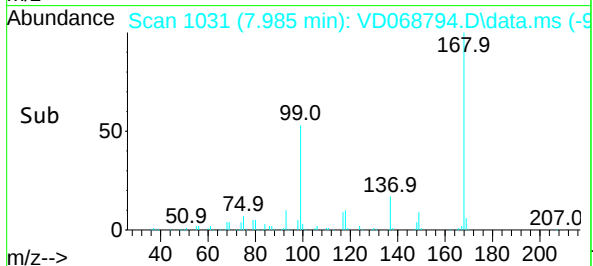
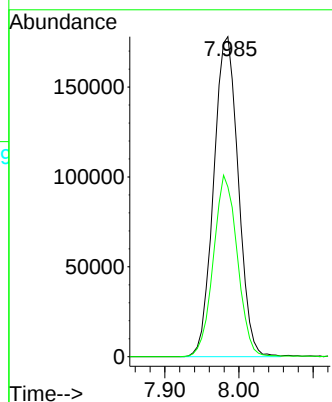
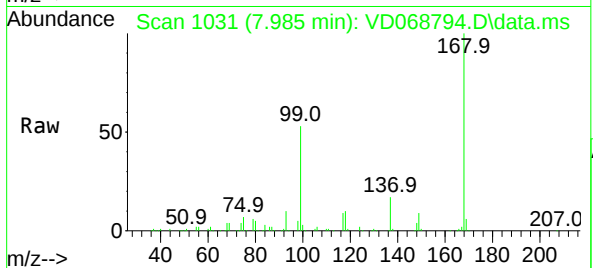




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068794.D
Acq: 08 Apr 2021 17:32

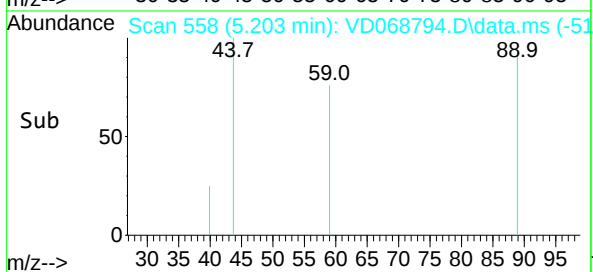
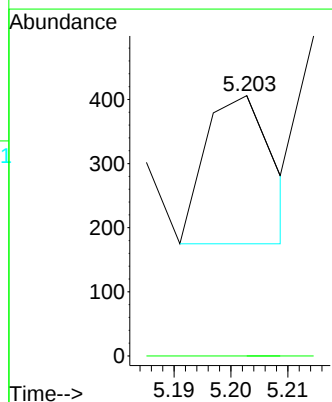
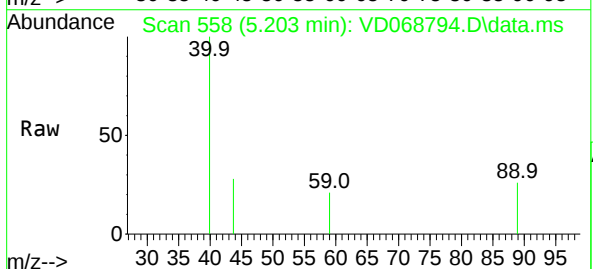
Instrument :
MSVOA_D
ClientSampled :

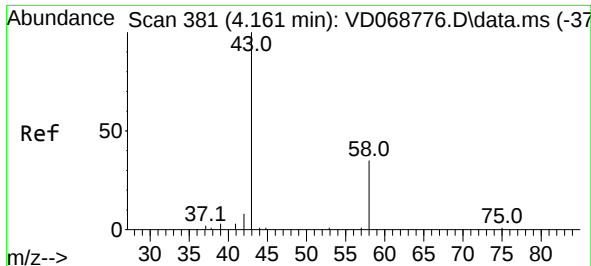
Tgt Ion:168 Resp: 409945
Ion Ratio Lower Upper
168 100
99 53.1 46.2 69.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.203 min Scan# 558
Delta R.T. -0.017 min
Lab File: VD068794.D
Acq: 08 Apr 2021 17:32

Tgt Ion: 59 Resp: 191
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

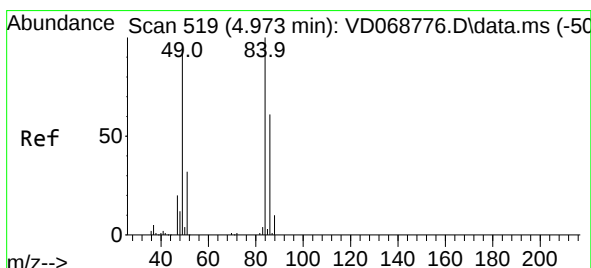
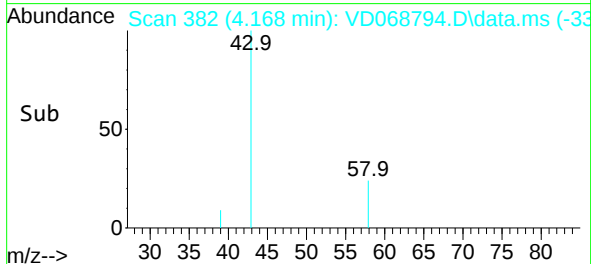
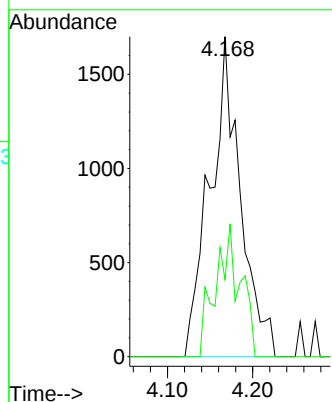
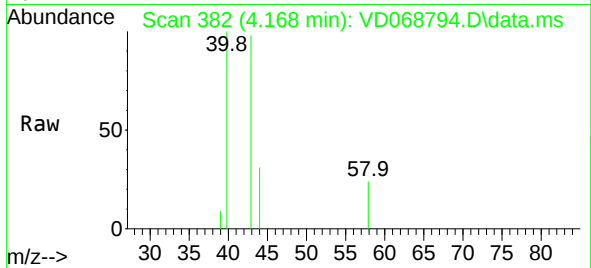




#16
Acetone
Concen: 7.05 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.007 min
Lab File: VD068794.D
Acq: 08 Apr 2021 17:32

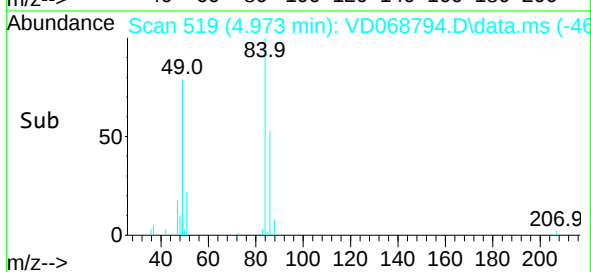
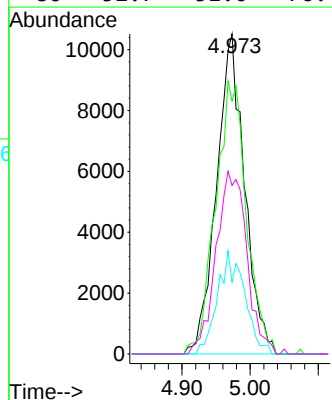
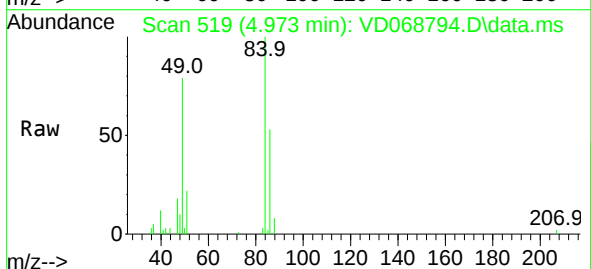
Instrument :
MSVOA_D
ClientSampled :

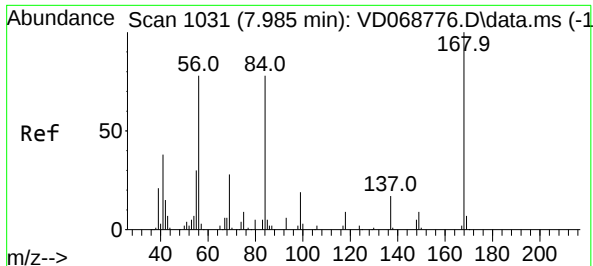
Tgt Ion: 43 Resp: 4228
Ion Ratio Lower Upper
43 100
58 24.1 28.0 42.0#



#20
Methylene Chloride
Concen: 1.52 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068794.D
Acq: 08 Apr 2021 17:32

Tgt Ion: 84 Resp: 30050
Ion Ratio Lower Upper
84 100
49 79.1 83.4 125.0#
51 22.5 23.4 35.2#
86 52.7 51.0 76.4





#31

Cyclohexane

Concen: 1.16 ug/l

RT: 7.979 min Scan# 1030

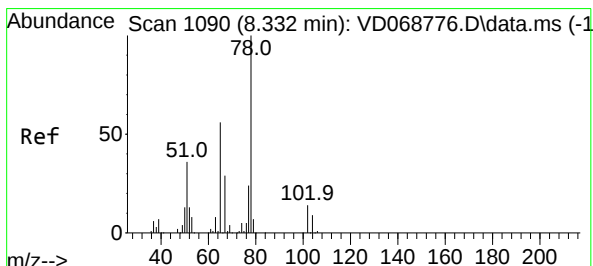
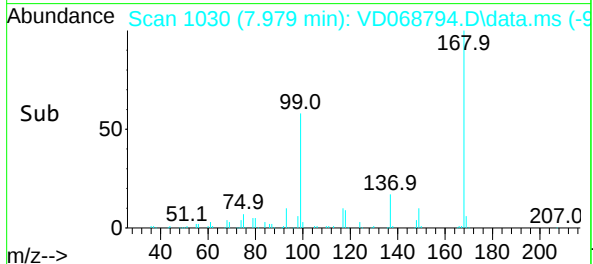
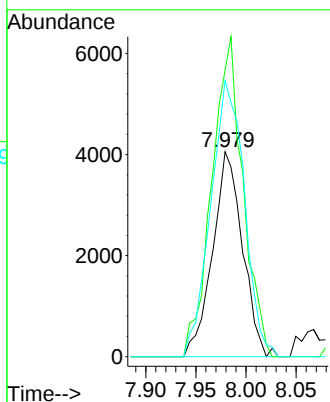
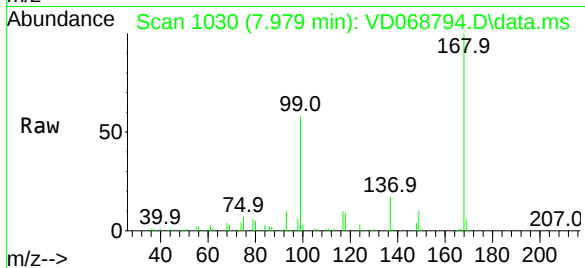
Delta R.T. -0.006 min

Lab File: VD068794.D

Acq: 08 Apr 2021 17:32

Tgt Ion:	56	Resp:	8396
Ion Ratio	Lower	Upper	
56	100		
69	139.8	30.0	45.0#
84	134.7	82.0	123.0#

Instrument :
MSVOA_D
ClientSampled :



#33

1,2-Dichloroethane-d4

Concen: 45.35 ug/l

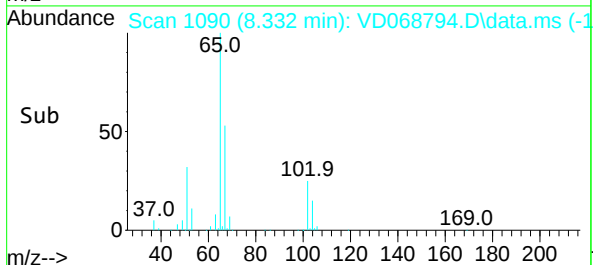
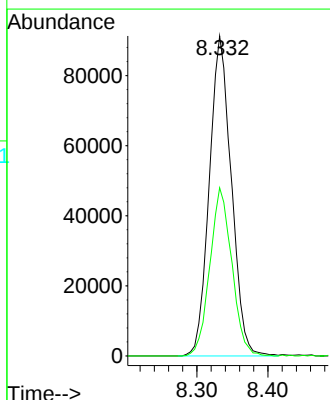
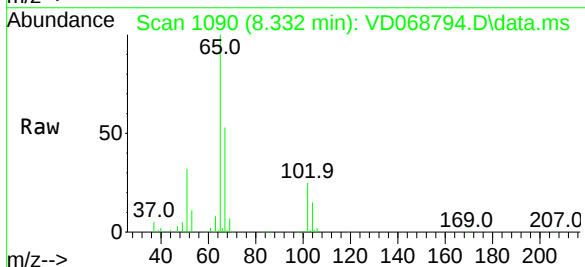
RT: 8.332 min Scan# 1090

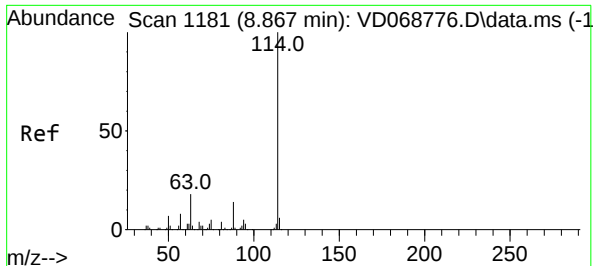
Delta R.T. 0.000 min

Lab File: VD068794.D

Acq: 08 Apr 2021 17:32

Tgt Ion:	65	Resp:	196463
Ion Ratio	Lower	Upper	
65	100		
67	52.4	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: VD068794.D

Acq: 08 Apr 2021 17:32

Tgt Ion:114 Resp: 759696

Ion Ratio Lower Upper

114 100

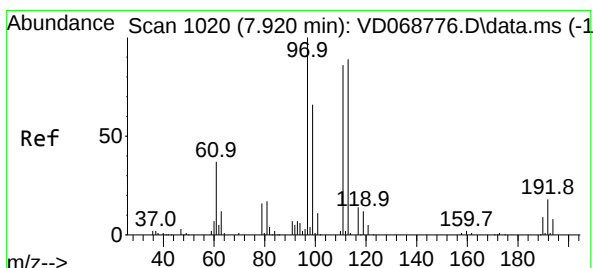
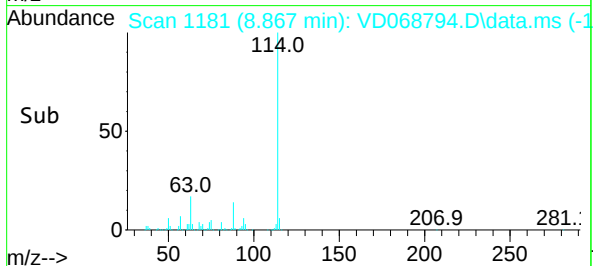
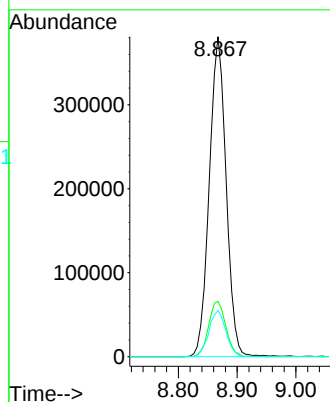
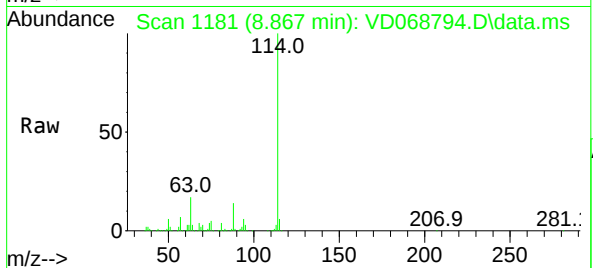
63 17.3 0.0 38.2

88 14.5 0.0 29.4

Instrument :

MSVOA_D

ClientSampleId :



#35

Dibromofluoromethane

Concen: 48.81 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068794.D

Acq: 08 Apr 2021 17:32

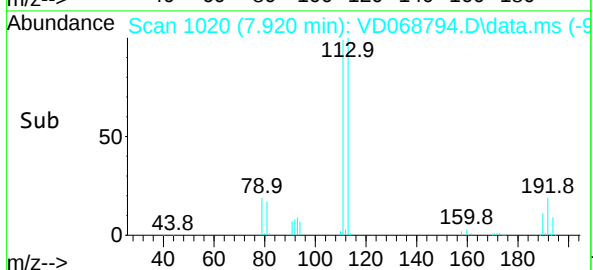
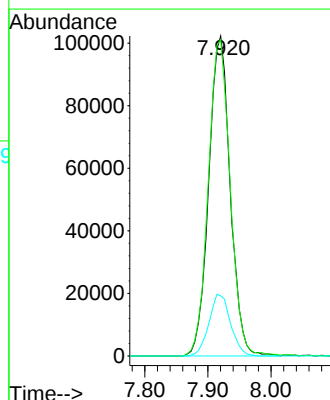
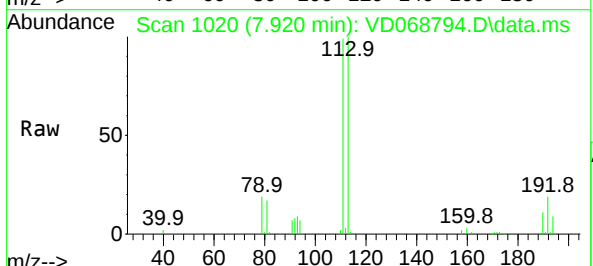
Tgt Ion:113 Resp: 241188

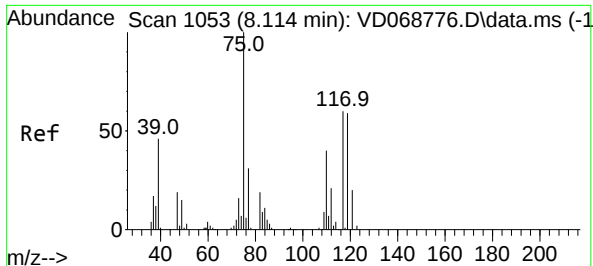
Ion Ratio Lower Upper

113 100

111 101.2 82.5 123.7

192 19.4 15.1 22.7

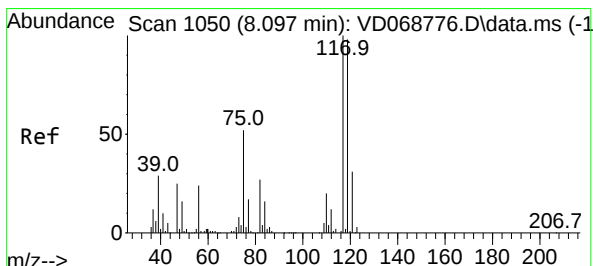
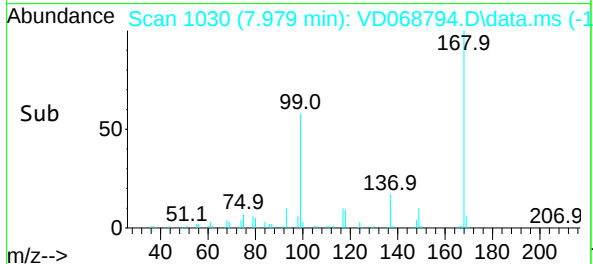
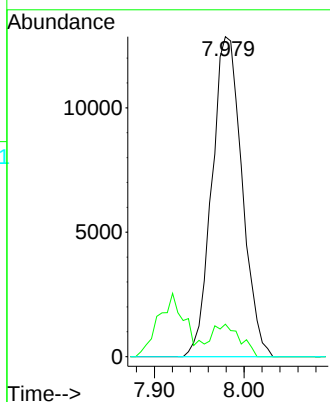
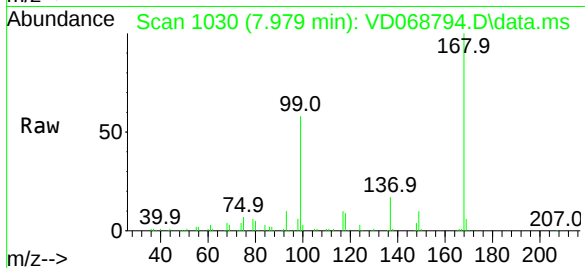




#36
1,1-Dichloropropene
Concen: 3.89 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068794.D
Acq: 08 Apr 2021 17:32

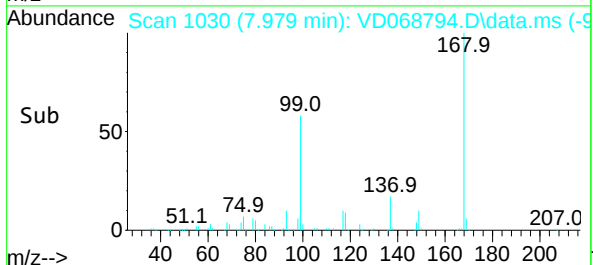
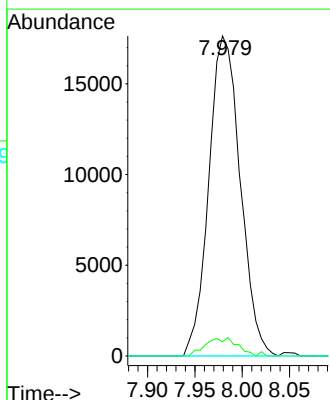
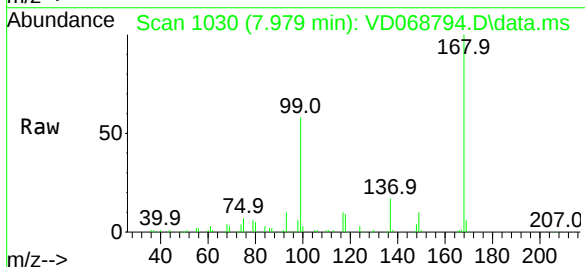
Instrument :
MSVOA_D
ClientSampled :

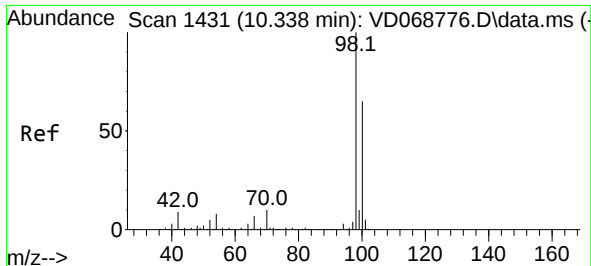
Tgt Ion: 75 Resp: 29914
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.35 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068794.D
Acq: 08 Apr 2021 17:32

Tgt Ion: 117 Resp: 40709
Ion Ratio Lower Upper
117 100
119 4.4 76.6 115.0#
121 0.0 26.1 39.1#

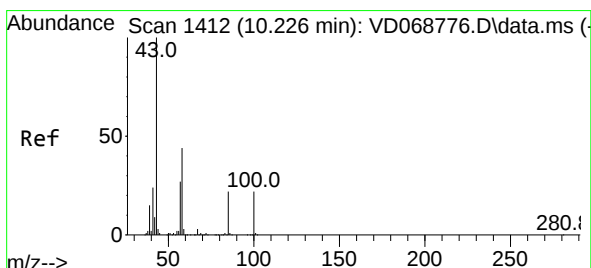
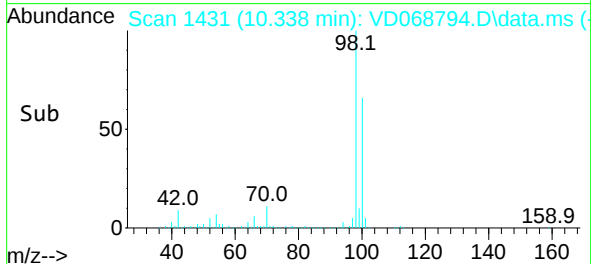
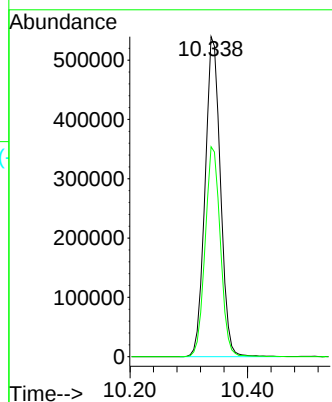
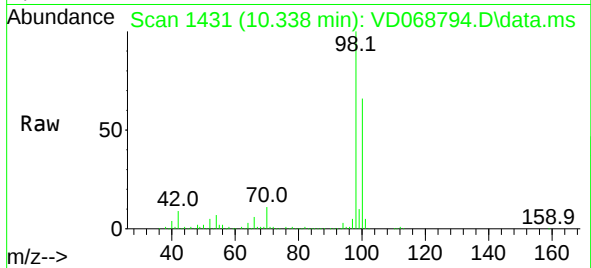




#50
Toluene-d8
Concen: 52.39 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068794.D
Acq: 08 Apr 2021 17:32

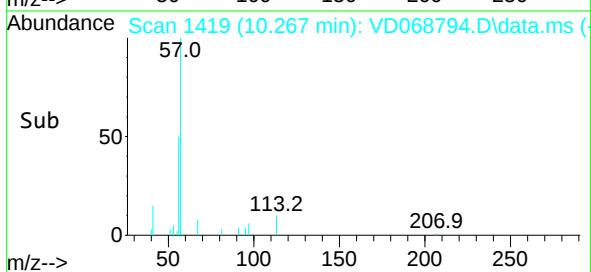
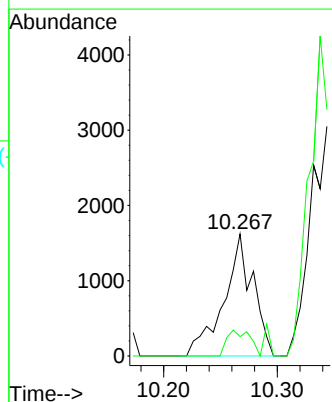
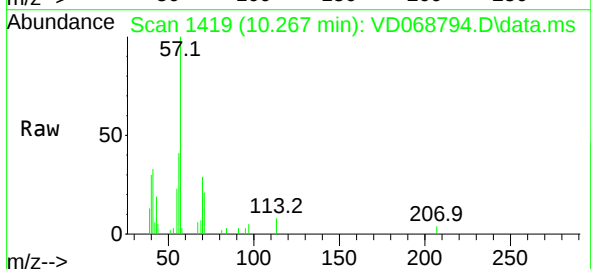
Instrument :
MSVOA_D
ClientSampleId :

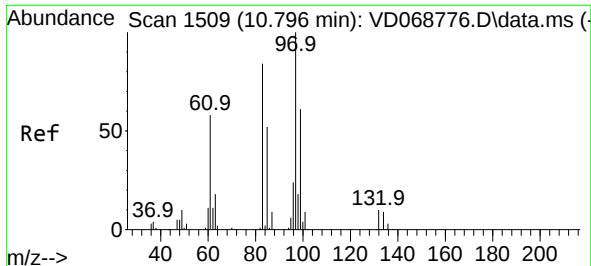
Tgt Ion: 98 Resp: 976531
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.24 ug/l
RT: 10.267 min Scan# 1419
Delta R.T. 0.041 min
Lab File: VD068794.D
Acq: 08 Apr 2021 17:32

Tgt Ion: 43 Resp: 2879
Ion Ratio Lower Upper
43 100
58 16.6 37.3 55.9#

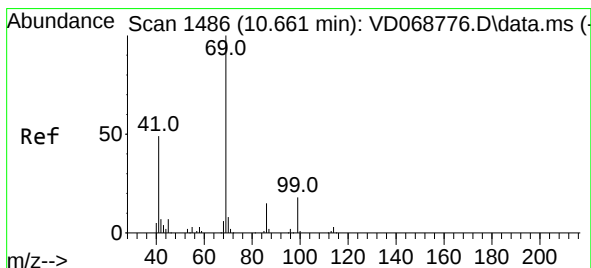
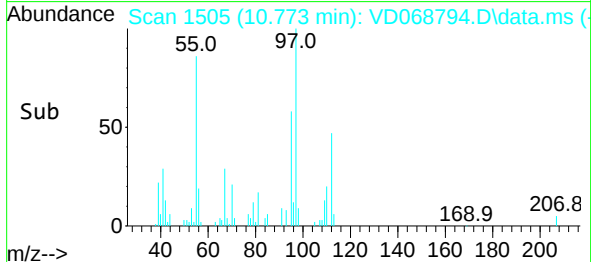
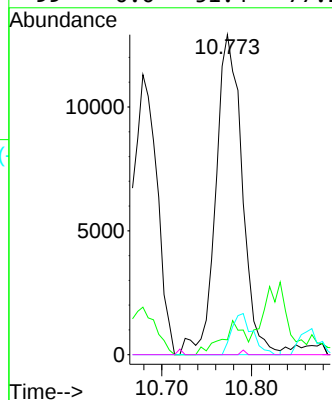
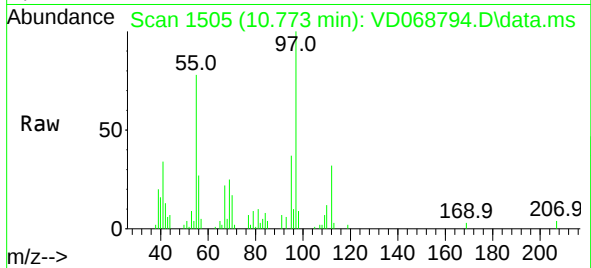




#55
1,1,2-Trichloroethane
Concen: 6.21 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.023 min
Lab File: VD068794.D
Acq: 08 Apr 2021 17:32

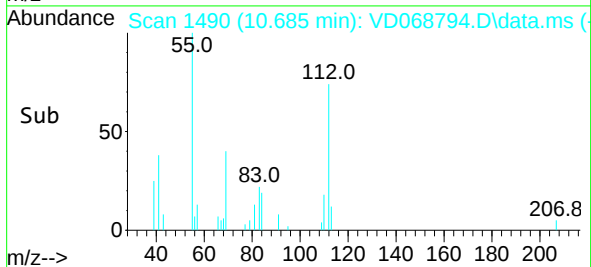
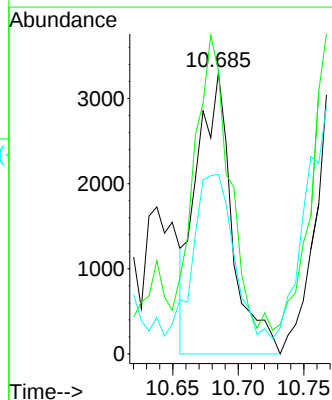
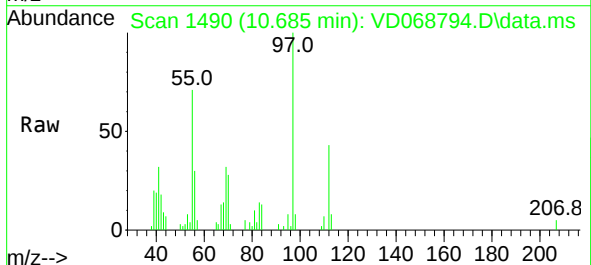
Instrument :
MSVOA_D
ClientSampleId :

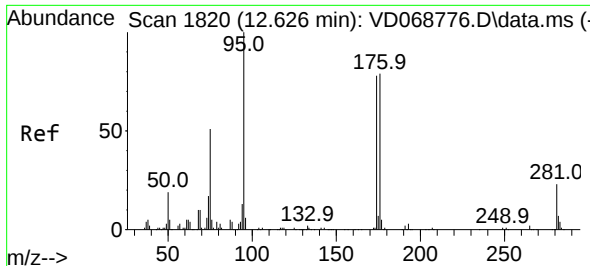
Tgt Ion:	97	Resp:	26296
Ion	Ratio	Lower	Upper
97	100		
83	4.6	65.7	98.5#
85	3.8	44.3	66.5#
99	0.0	51.4	77.2#



#56
Ethyl methacrylate
Concen: 1.43 ug/l
RT: 10.685 min Scan# 1490
Delta R.T. 0.024 min
Lab File: VD068794.D
Acq: 08 Apr 2021 17:32

Tgt Ion:	69	Resp:	6247
Ion	Ratio	Lower	Upper
69	100		
41	100.5	42.2	63.4#
39	65.3	24.2	36.2#

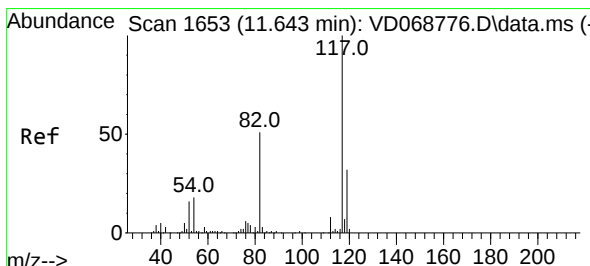
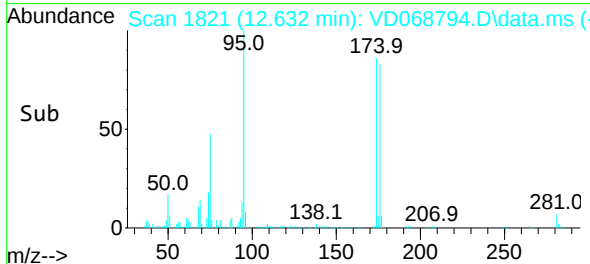
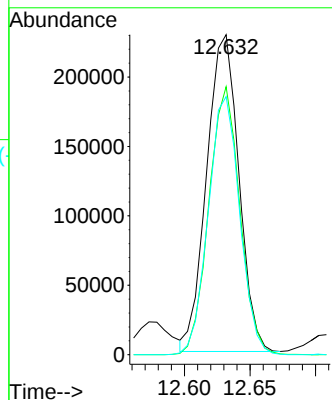
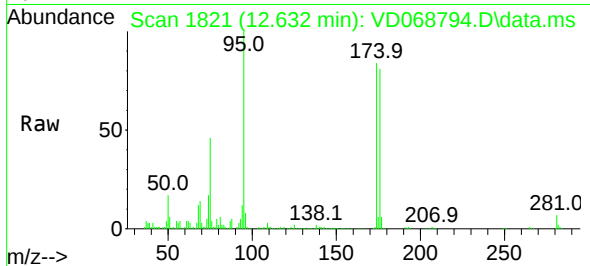




#62
4-Bromofluorobenzene
Concen: 62.99 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068794.D
Acq: 08 Apr 2021 17:32

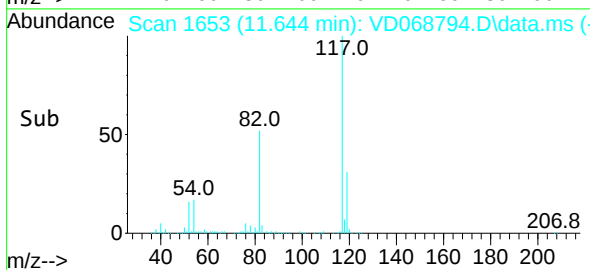
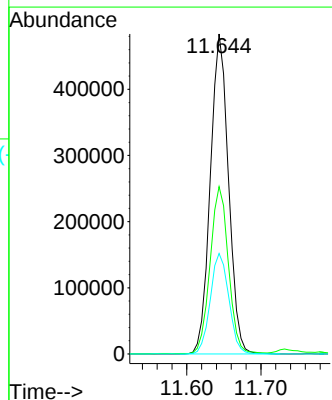
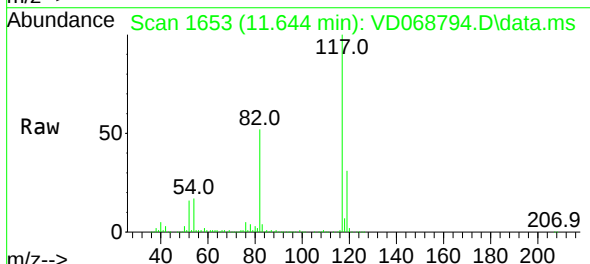
Instrument :
MSVOA_D
ClientSampleId :

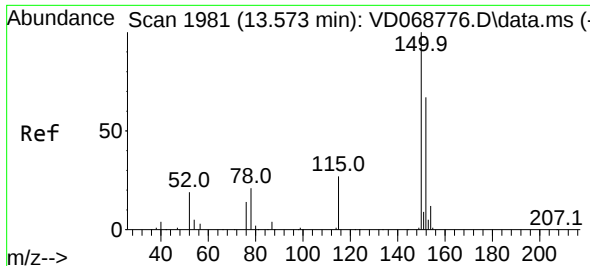
Tgt Ion: 95 Resp: 389945
Ion Ratio Lower Upper
95 100
174 81.3 0.0 168.0
176 79.5 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD068794.D
Acq: 08 Apr 2021 17:32

Tgt Ion:117 Resp: 823080
Ion Ratio Lower Upper
117 100
82 52.1 43.5 65.3
119 31.4 26.7 40.1

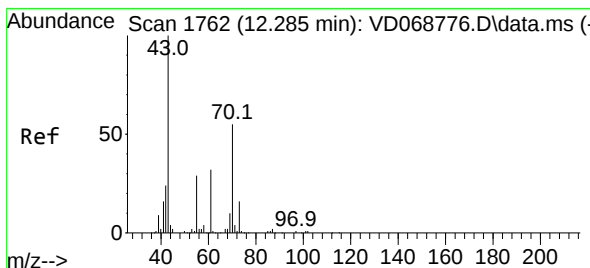
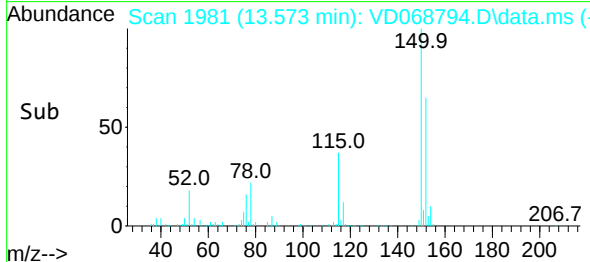
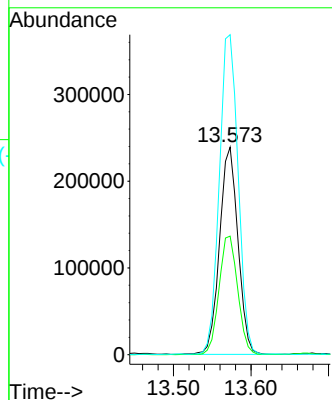
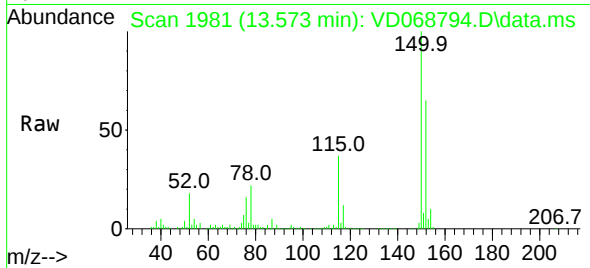




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068794.D
Acq: 08 Apr 2021 17:32

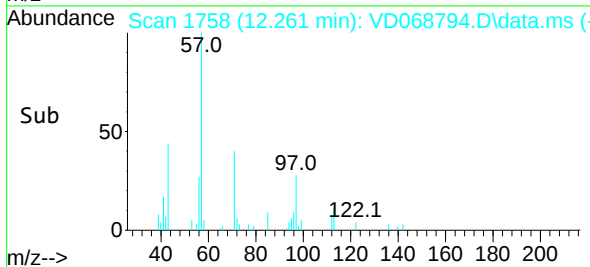
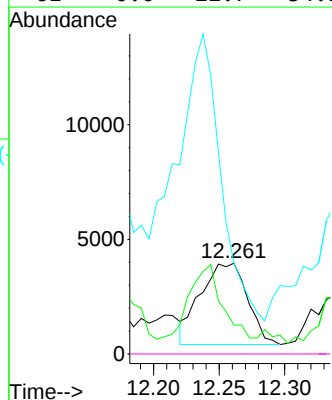
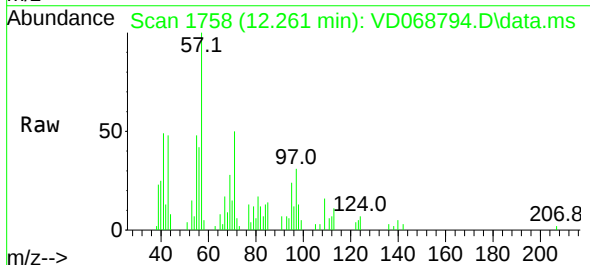
Instrument :
MSVOA_D
ClientSampleId :

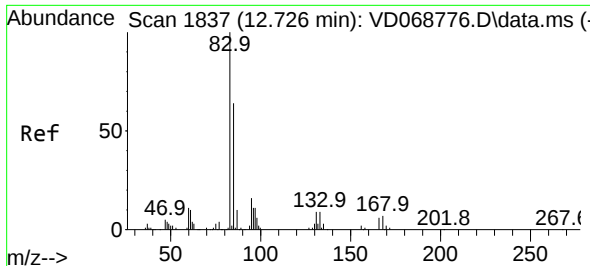
Tgt Ion:152 Resp: 394810
Ion Ratio Lower Upper
152 100
115 58.2 29.3 87.8
150 157.2 0.0 347.6



#74
N-ethyl acetate
Concen: 1.80 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.024 min
Lab File: VD068794.D
Acq: 08 Apr 2021 17:32

Tgt Ion: 43 Resp: 8811
Ion Ratio Lower Upper
43 100
70 0.0 41.9 62.9#
55 0.0 22.8 34.2#
61 0.0 22.7 34.1#

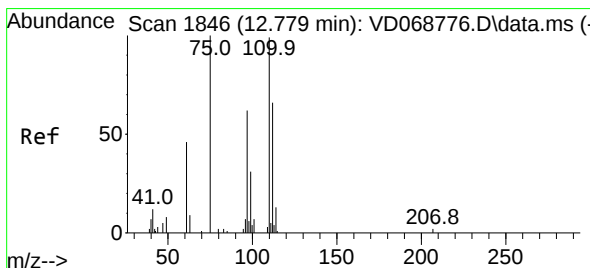
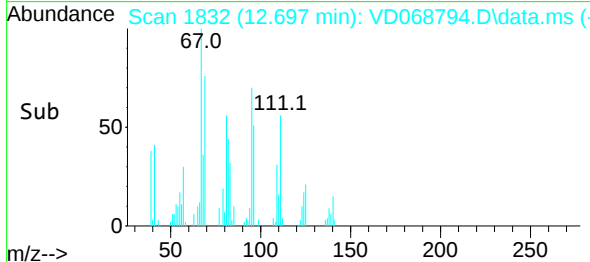
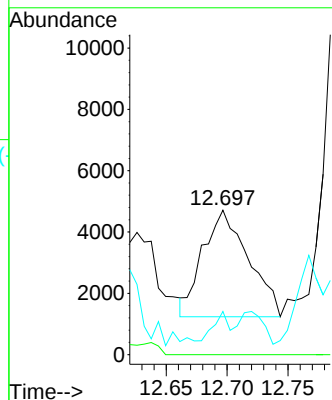
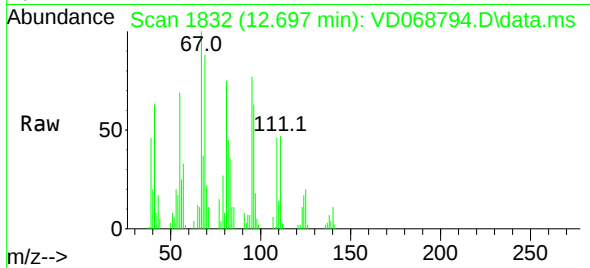




#75
1,1,2,2-Tetrachloroethane
Concen: 1.68 ug/l
RT: 12.697 min Scan# 1832
Delta R.T. -0.030 min
Lab File: VD068794.D
Acq: 08 Apr 2021 17:32

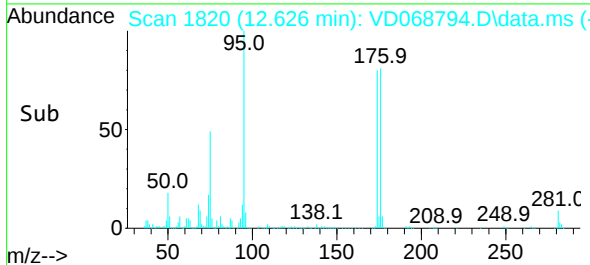
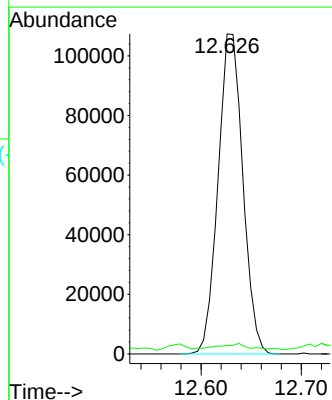
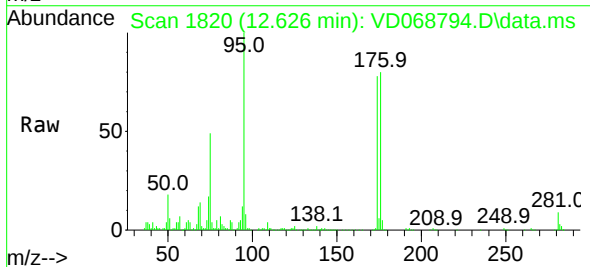
Instrument :
MSVOA_D
ClientSampleId :

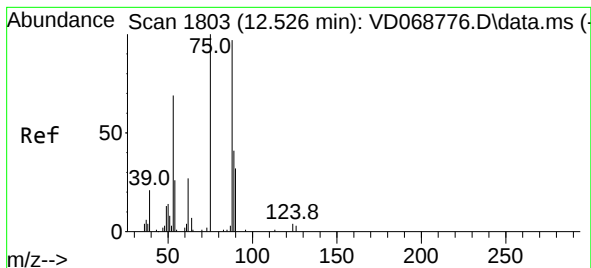
Tgt Ion: 83 Resp: 9039
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 8.6 32.0 96.0#



#76
1,2,3-Trichloropropane
Concen: 51.07 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD068794.D
Acq: 08 Apr 2021 17:32

Tgt Ion: 75 Resp: 184200
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#

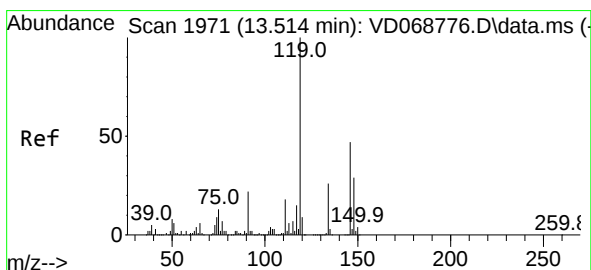
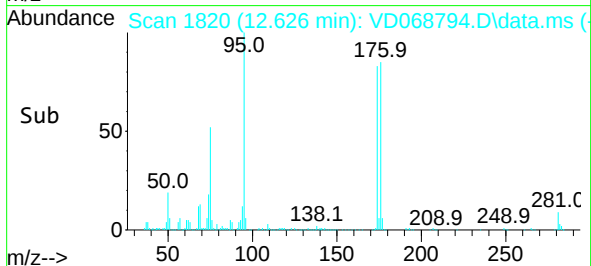
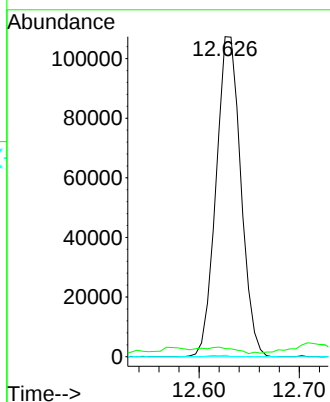
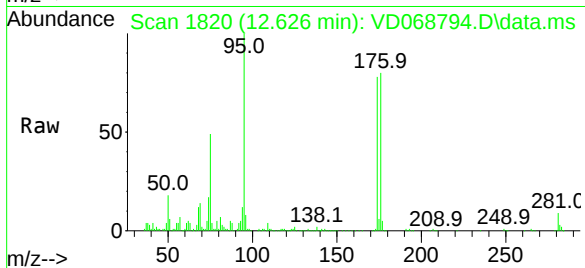




#81
trans-1,4-Dichloro-2-butene
Concen: 118.52 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD068794.D
Acq: 08 Apr 2021 17:32

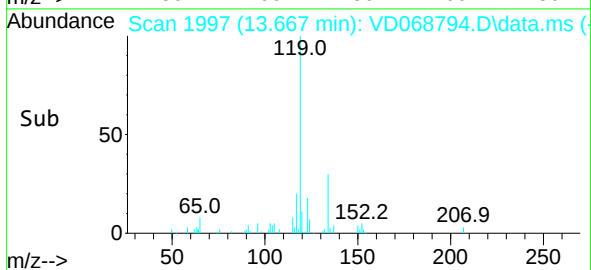
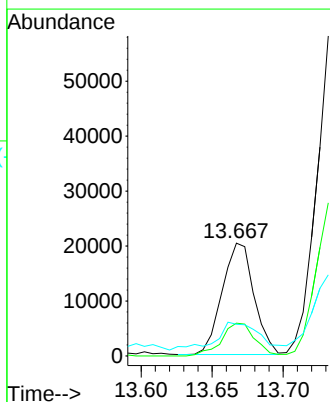
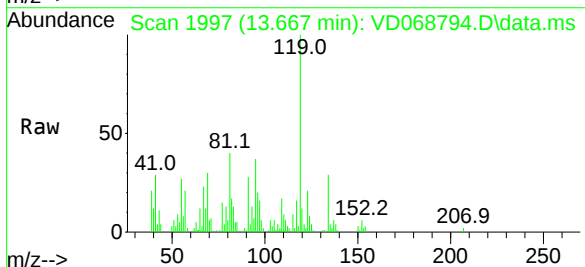
Instrument :
MSVOA_D
ClientSampleId :

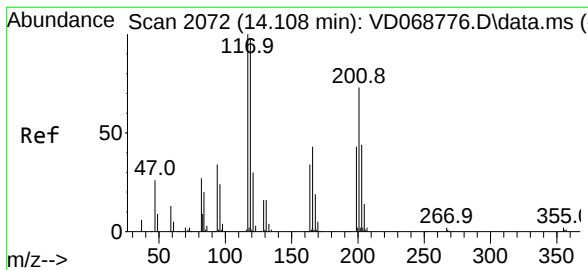
Tgt Ion: 75 Resp: 184200
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.3 36.6 54.8#



#86
p-Isopropyltoluene
Concen: 1.20 ug/l
RT: 13.667 min Scan# 1997
Delta R.T. 0.153 min
Lab File: VD068794.D
Acq: 08 Apr 2021 17:32

Tgt Ion: 119 Resp: 31526
Ion Ratio Lower Upper
119 100
134 30.8 13.3 39.9
91 33.2 11.1 33.1#





#90
 Hexachloroethane
 Concen: 5.32 ug/l
 RT: 14.108 min Scan# 2072
 Delta R.T. 0.000 min
 Lab File: VD068794.D
 Acq: 08 Apr 2021 17:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:117 Resp: 27930
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.4 106.2#

