

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012721\
 Data File : VD068198.D
 Acq On : 27 Jan 2021 12:33
 Operator : VA/SY
 Sample : VD0127SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 27 23:56:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

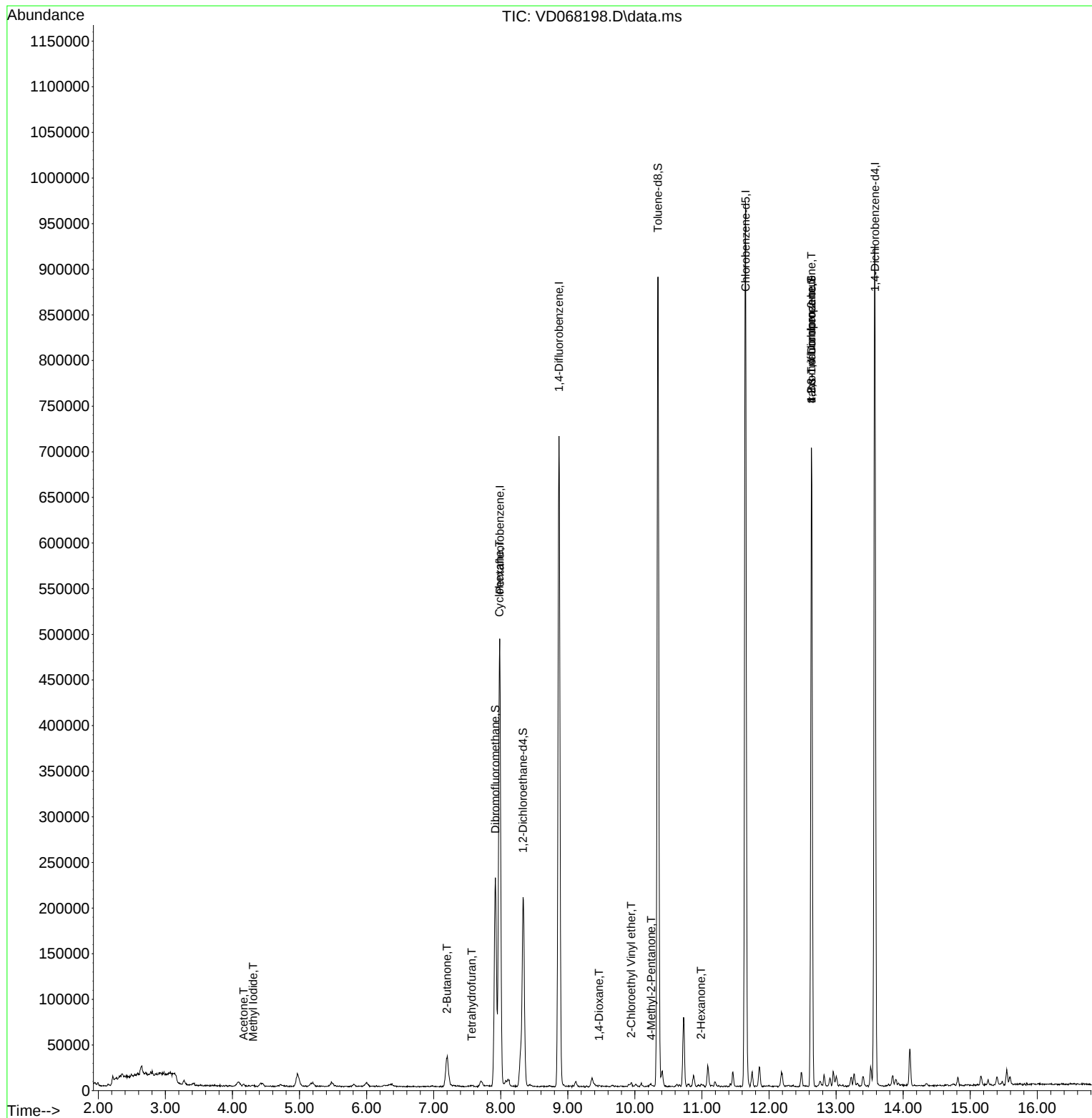
Internal Standards						
1) Pentafluorobenzene	7.985	168	363858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	641441	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	574585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	250030	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	164278	47.20	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.40%		
35) Dibromofluoromethane	7.920	113	165637	46.71	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.42%		
50) Toluene-d8	10.344	98	623374	43.95	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	87.90%		
62) 4-Bromofluorobenzene	12.632	95	221649	43.39	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	86.78%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	1584	3.49	ug/l #	66
11) Tert butyl alcohol	5.179	59	2475	Below Cal	#	74
16) Acetone	4.167	43	3064	4.93	ug/l	98
20) Methylene Chloride	4.973	84	10255	Below Cal	#	85
25) 2-Butanone	7.197	43	1403	1.50	ug/l #	43
29) Tetrahydrofuran	7.567	42	912	1.50	ug/l #	50
31) Cyclohexane	7.979	56	11524	1.53	ug/l #	21
49) 1,4-Dioxane	9.467	88	77	2.93	ug/l #	64
51) 4-Methyl-2-Pentanone	10.244	43	2631	1.19	ug/l #	78
58) 2-Chloroethyl Vinyl ether	9.944	63	2180	1.12	ug/l #	70
59) 2-Hexanone	10.985	43	1620	1.05	ug/l	88
76) 1,2,3-Trichloropropane	12.632	75	113830	47.09	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	113830	95.28	ug/l #	14

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

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Response via : Initial Calibration

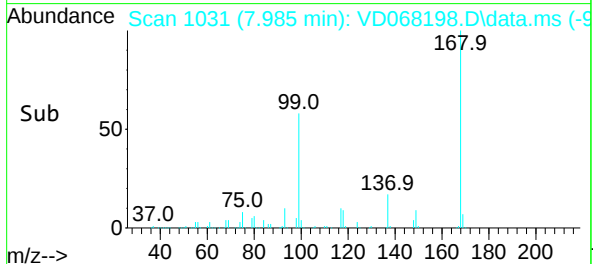
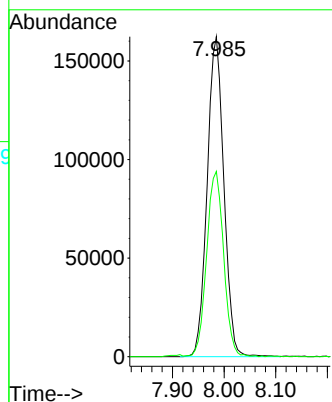
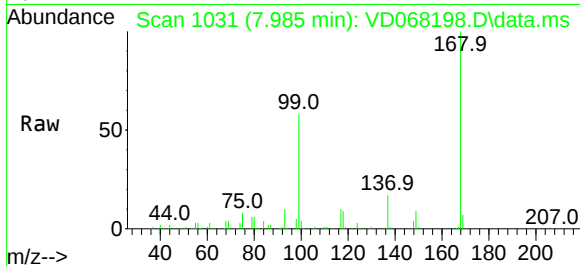




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068198.D
Acq: 27 Jan 2021 12:33

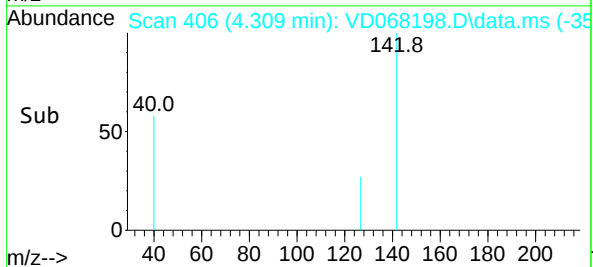
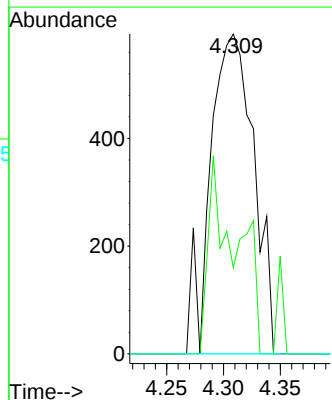
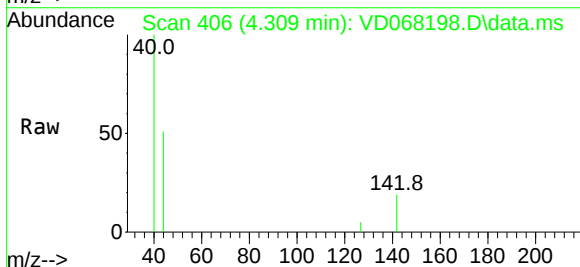
Instrument :
MSVOA_D
ClientSampled :

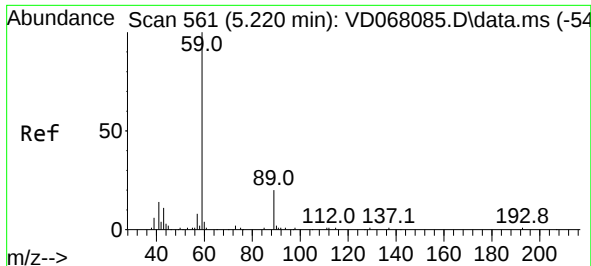
Tgt Ion:168 Resp: 363858
Ion Ratio Lower Upper
168 100
99 57.8 43.5 65.3



#10
Methyl Iodide
Concen: 3.49 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.001 min
Lab File: VD068198.D
Acq: 27 Jan 2021 12:33

Tgt Ion:142 Resp: 1584
Ion Ratio Lower Upper
142 100
127 25.0 37.9 56.9#
141 0.0 11.5 17.3#

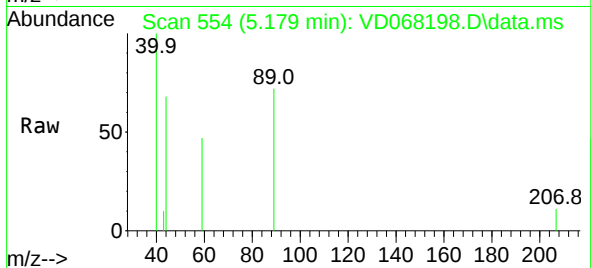




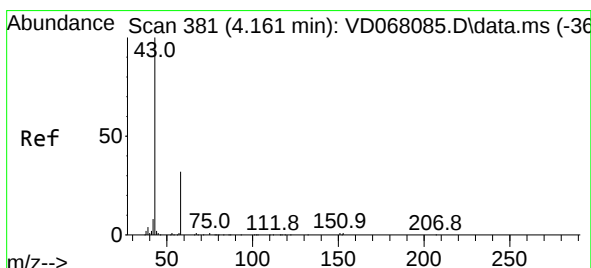
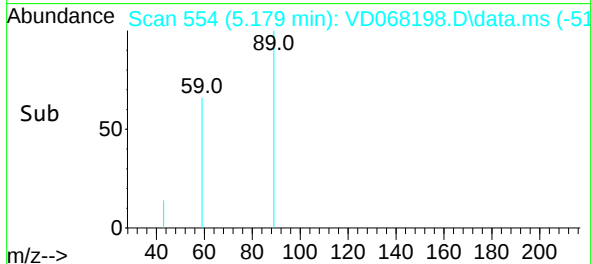
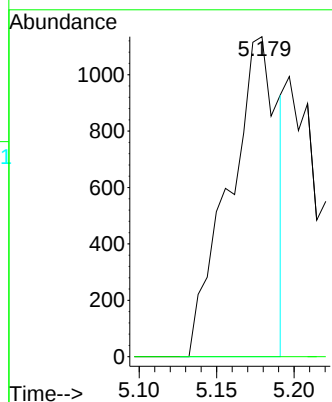
#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 554
Delta R.T. -0.041 min
Lab File: VD068198.D
Acq: 27 Jan 2021 12:33

Instrument :
MSVOA_D
ClientSampled :



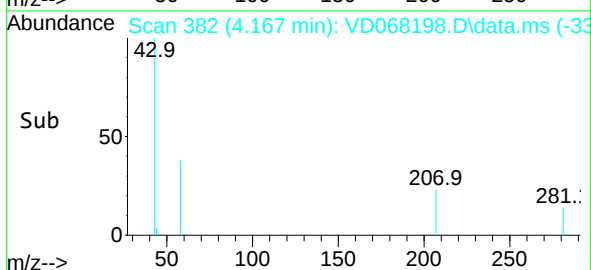
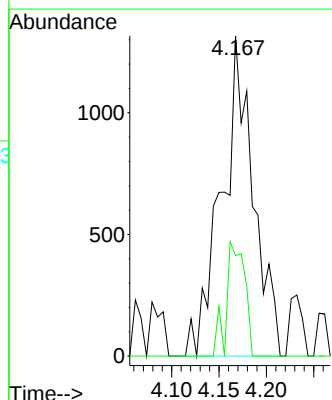
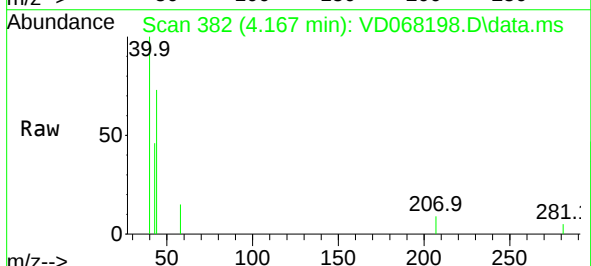
Tgt Ion: 59 Resp: 2475
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16

Acetone
Concen: 4.93 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068198.D
Acq: 27 Jan 2021 12:33

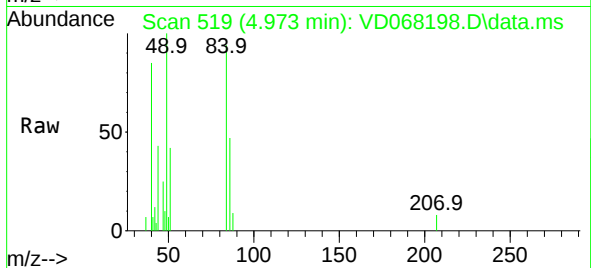
Tgt Ion: 43 Resp: 3064
Ion Ratio Lower Upper
43 100
58 31.4 24.2 36.4



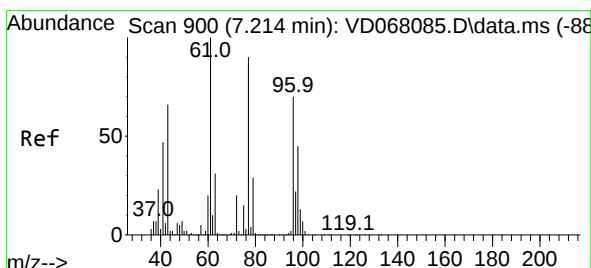
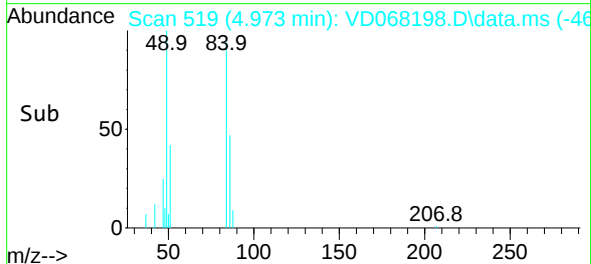
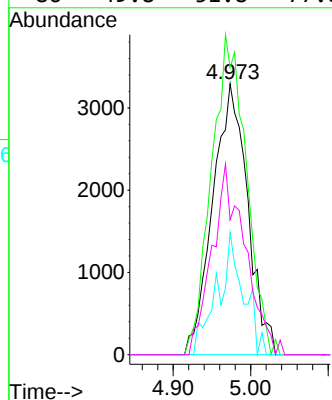


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068198.D
Acq: 27 Jan 2021 12:33

Instrument :
MSVOA_D
ClientSampled :

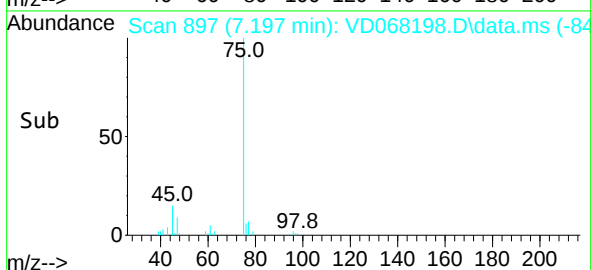
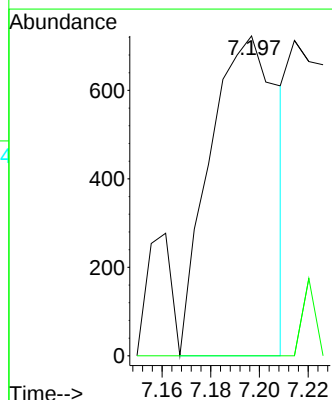
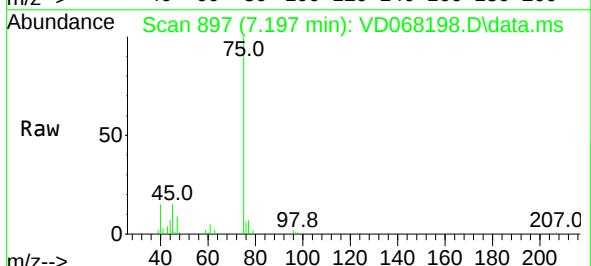


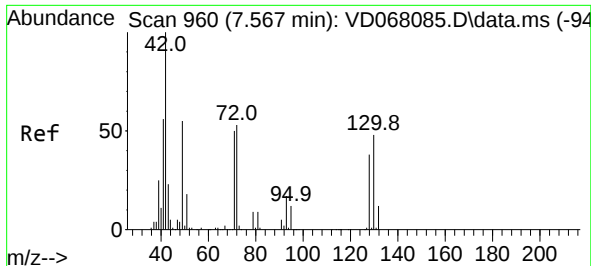
Tgt Ion: 84 Resp: 10255
Ion Ratio Lower Upper
84 100
49 106.1 77.4 116.2
51 45.0 26.1 39.1#
86 49.8 51.8 77.8#



#25
2-Butanone
Concen: 1.50 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.017 min
Lab File: VD068198.D
Acq: 27 Jan 2021 12:33

Tgt Ion: 43 Resp: 1403
Ion Ratio Lower Upper
43 100
72 0.0 25.1 37.7#





#29

Tetrahydrofuran

Concen: 1.50 ug/l

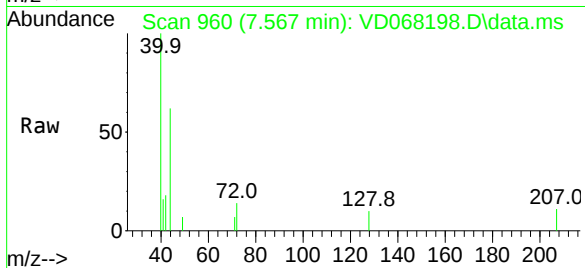
RT: 7.567 min Scan# 960

Delta R.T. 0.000 min

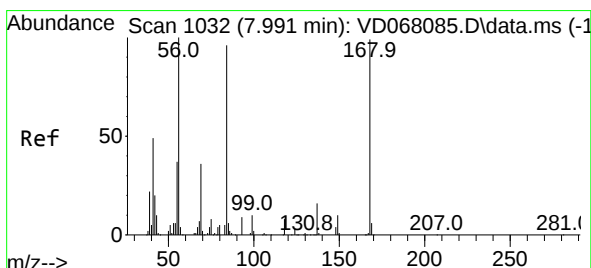
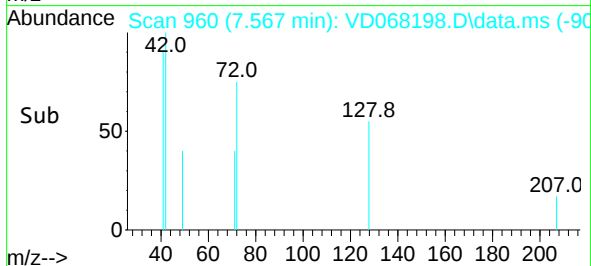
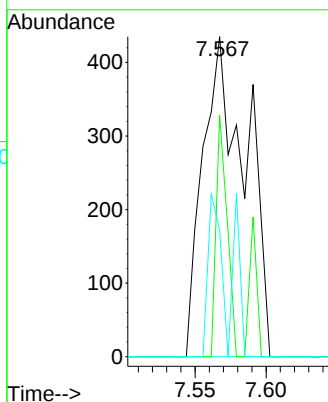
Lab File: VD068198.D

Acq: 27 Jan 2021 12:33

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion:	42	Resp:	912
Ion Ratio	Lower	Upper	
42	100		
72	19.2	43.4	65.0#
71	15.2	40.8	61.2#



#31

Cyclohexane

Concen: 1.53 ug/l

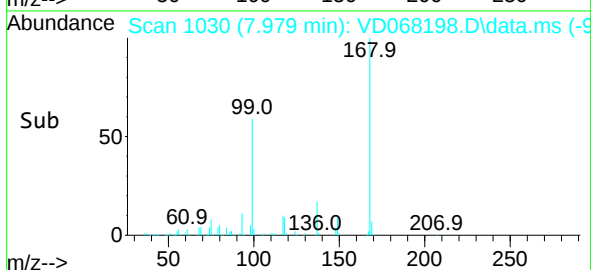
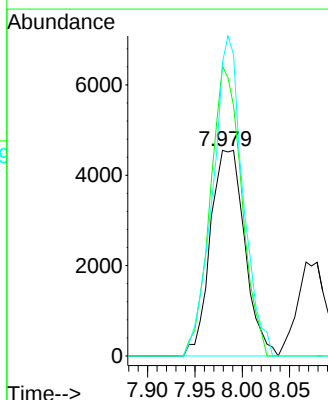
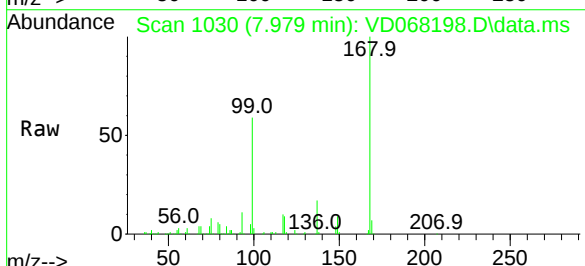
RT: 7.979 min Scan# 1030

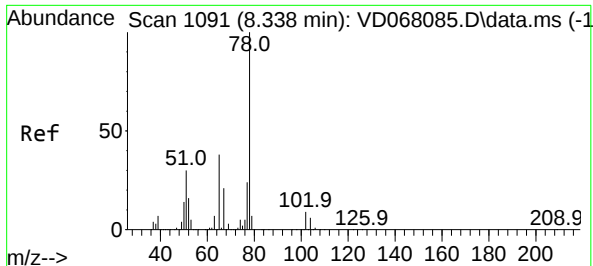
Delta R.T. -0.011 min

Lab File: VD068198.D

Acq: 27 Jan 2021 12:33

Tgt Ion:	56	Resp:	11524
Ion Ratio	Lower	Upper	
56	100		
69	141.0	30.1	45.1#
84	147.5	82.1	123.1#

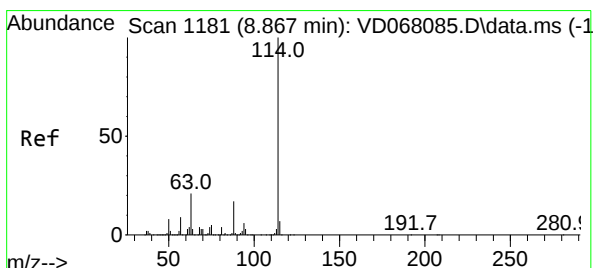
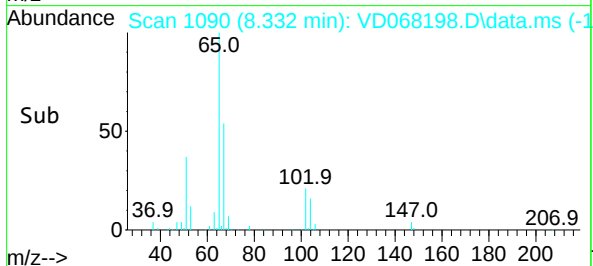
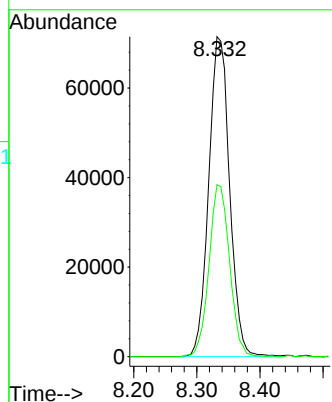
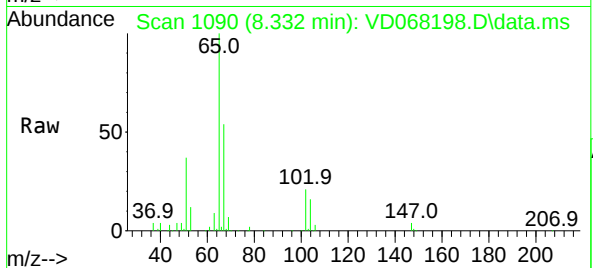




#33
 1,2-Dichloroethane-d4
 Concen: 47.20 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. -0.006 min
 Lab File: VD068198.D
 Acq: 27 Jan 2021 12:33

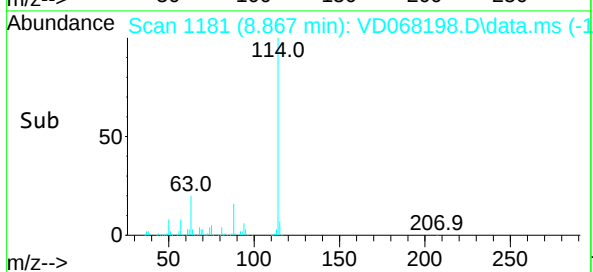
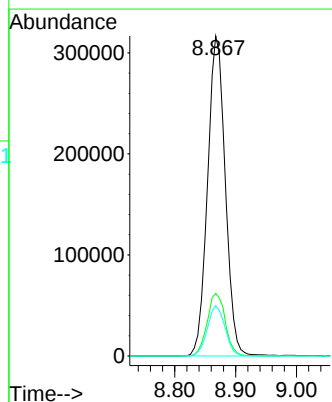
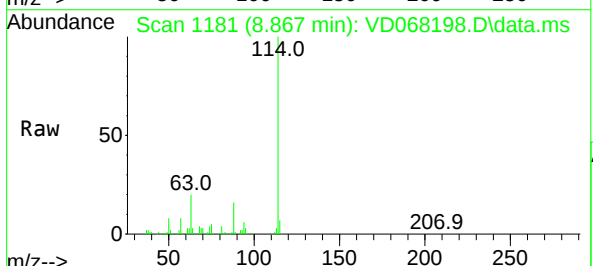
Instrument :
 MSVOA_D
 ClientSampleId :

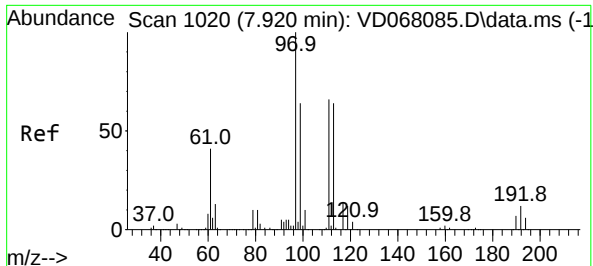
Tgt Ion: 65 Resp: 164278
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.867 min Scan# 1181
 Delta R.T. 0.000 min
 Lab File: VD068198.D
 Acq: 27 Jan 2021 12:33

Tgt Ion: 114 Resp: 641441
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 34.8
 88 15.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 46.71 ug/l

RT: 7.920 min Scan# 1020

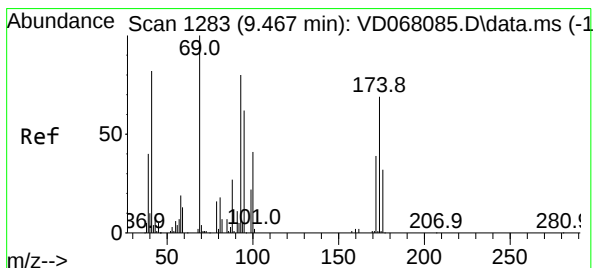
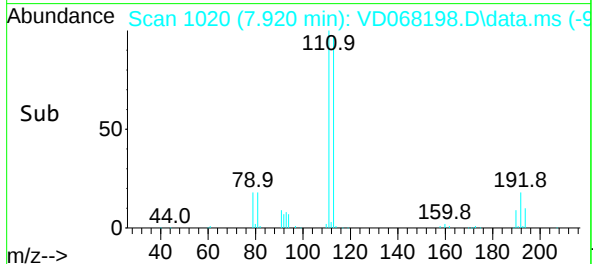
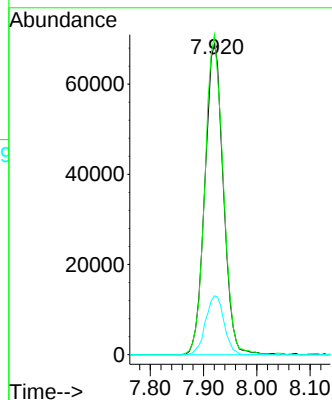
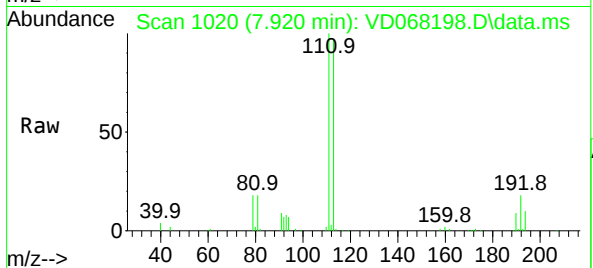
Delta R.T. 0.000 min

Lab File: VD068198.D

Acq: 27 Jan 2021 12:33

Tgt Ion:	113	Resp:	165637
Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.0
192	18.9	16.1	24.1

Instrument :
MSVOA_D
ClientSampled :



#49

1,4-Dioxane

Concen: 2.93 ug/l

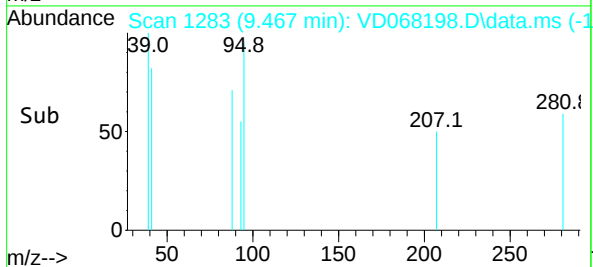
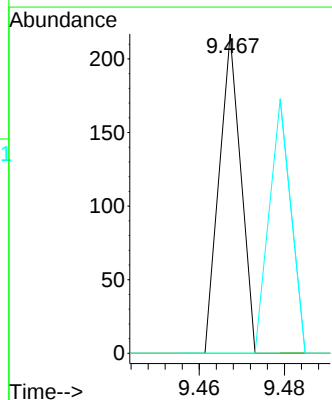
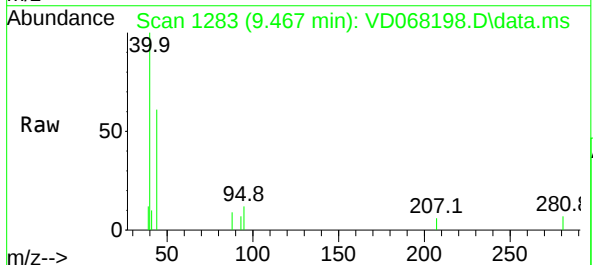
RT: 9.467 min Scan# 1283

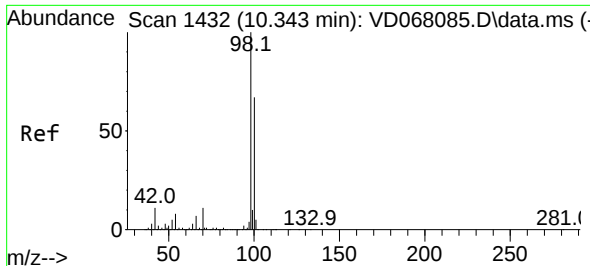
Delta R.T. 0.000 min

Lab File: VD068198.D

Acq: 27 Jan 2021 12:33

Tgt Ion:	88	Resp:	77
Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.1	33.1#
58	79.2	46.7	70.1#

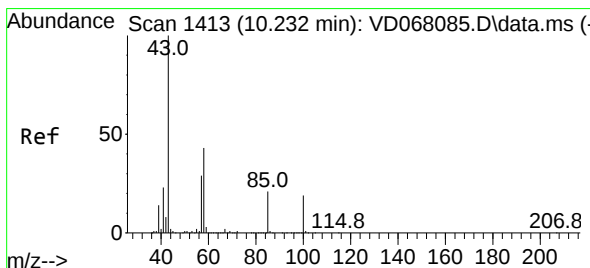
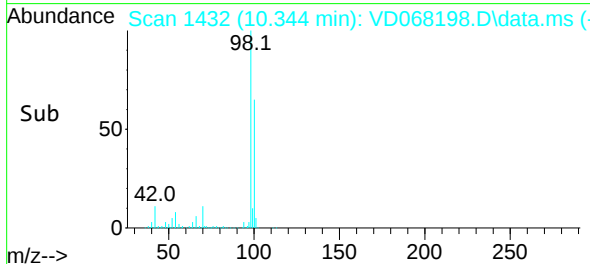
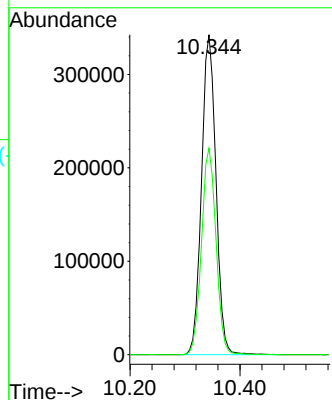
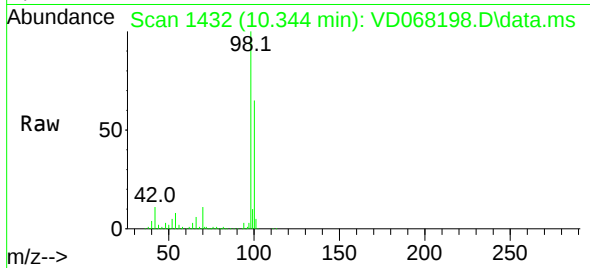




#50
Toluene-d8
Concen: 43.95 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068198.D
Acq: 27 Jan 2021 12:33

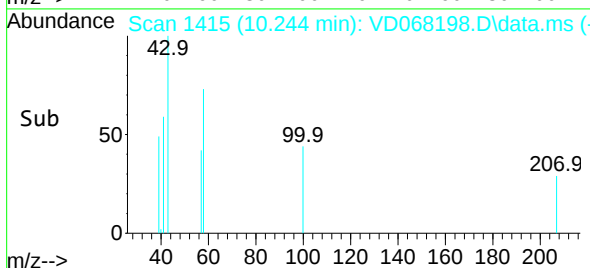
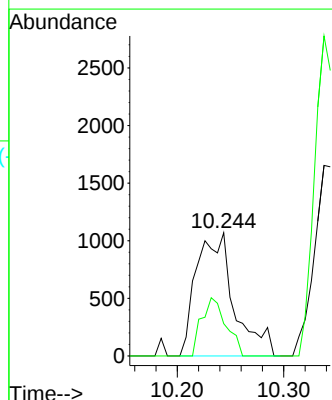
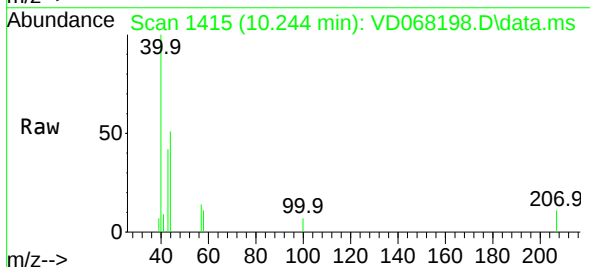
Instrument :
MSVOA_D
ClientSampled :

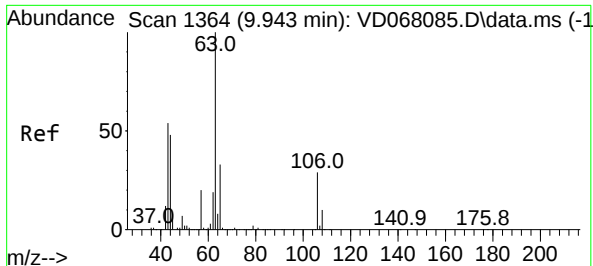
Tgt Ion: 98 Resp: 623374
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.19 ug/l
RT: 10.244 min Scan# 1415
Delta R.T. 0.012 min
Lab File: VD068198.D
Acq: 27 Jan 2021 12:33

Tgt Ion: 43 Resp: 2631
Ion Ratio Lower Upper
43 100
58 30.7 36.1 54.1#

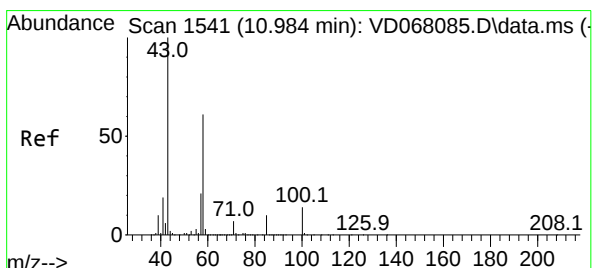
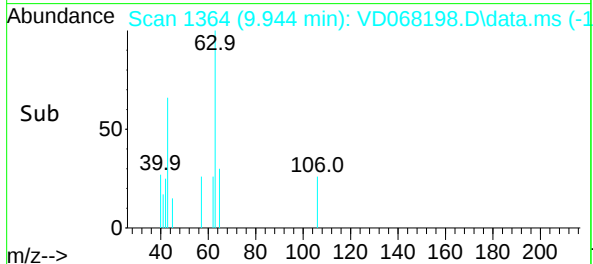
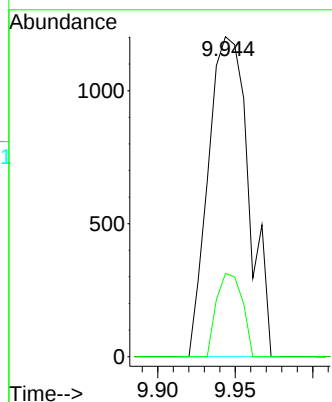
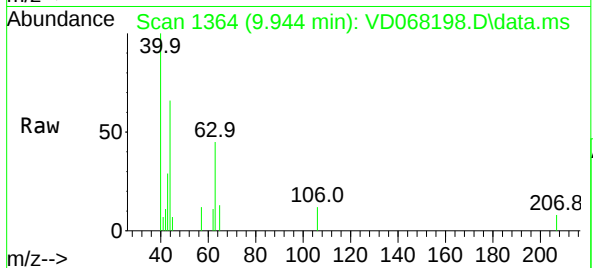




#58
2-Chloroethyl Vinyl ether
Concen: 1.12 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.000 min
Lab File: VD068198.D
Acq: 27 Jan 2021 12:33

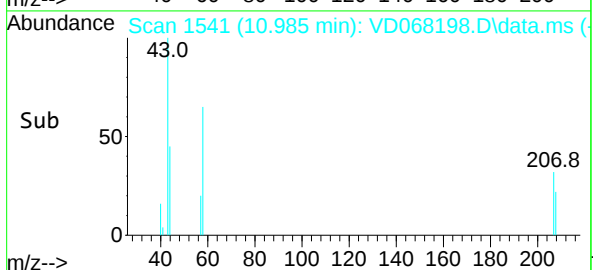
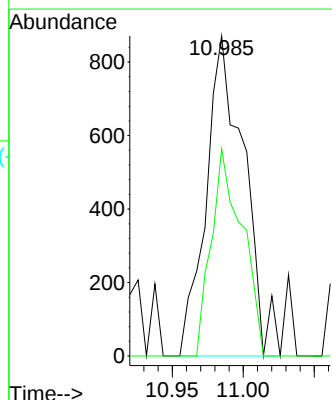
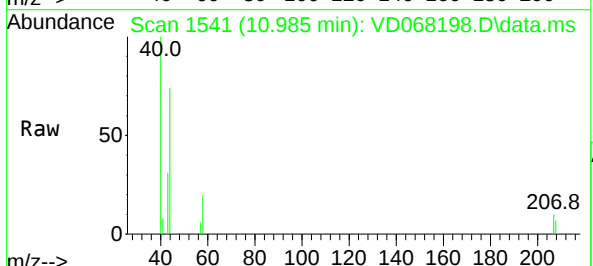
Instrument :
MSVOA_D
ClientSampled :

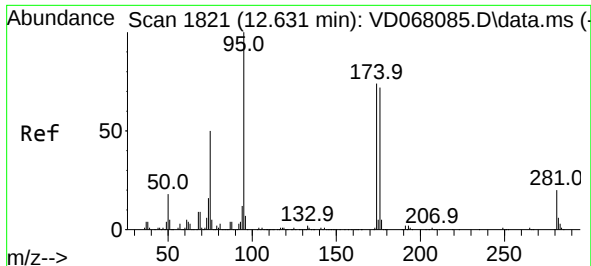
Tgt Ion: 63 Resp: 2180
Ion Ratio Lower Upper
63 100
106 16.6 27.0 40.4#



#59
2-Hexanone
Concen: 1.05 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VD068198.D
Acq: 27 Jan 2021 12:33

Tgt Ion: 43 Resp: 1620
Ion Ratio Lower Upper
43 100
58 52.7 31.0 93.0

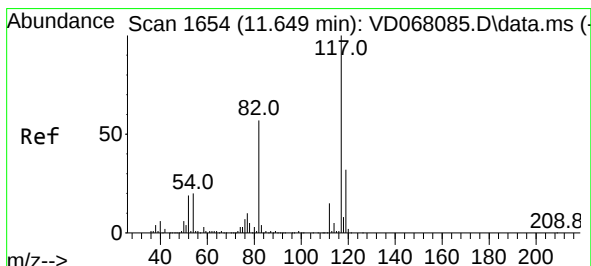
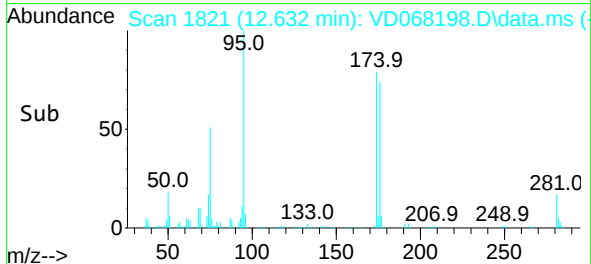
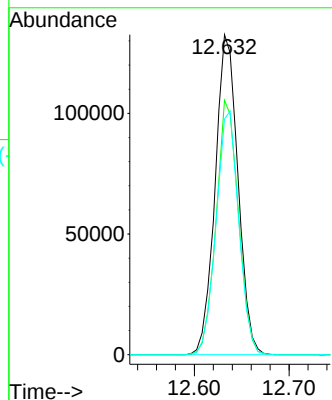
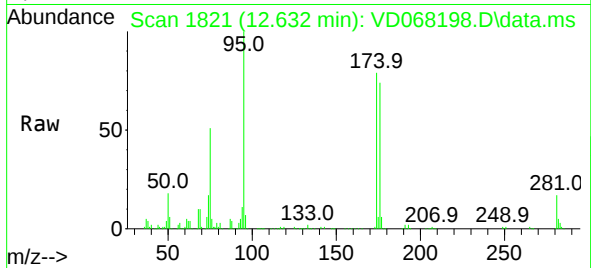




#62
4-Bromofluorobenzene
Concen: 43.39 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068198.D
Acq: 27 Jan 2021 12:33

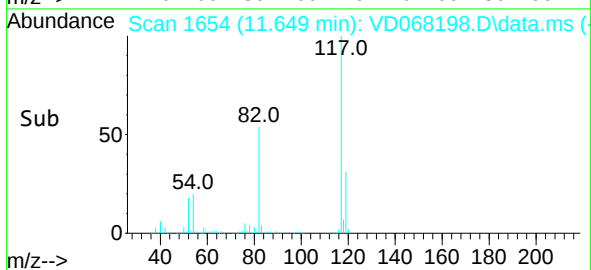
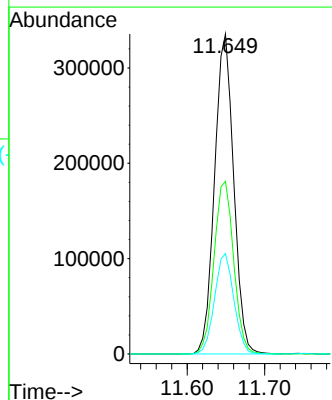
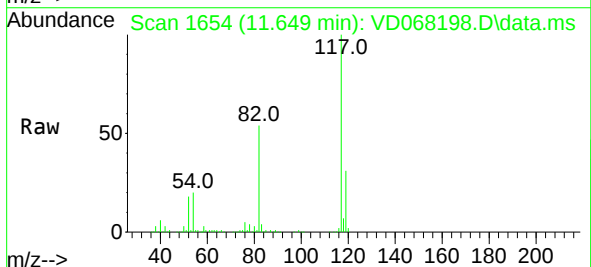
Instrument :
MSVOA_D
ClientSampled :

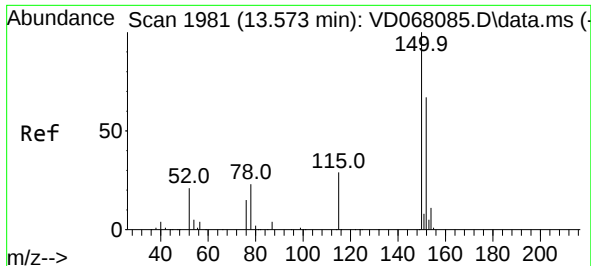
Tgt Ion: 95 Resp: 221649
Ion Ratio Lower Upper
95 100
174 77.6 0.0 172.4
176 75.6 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068198.D
Acq: 27 Jan 2021 12:33

Tgt Ion: 117 Resp: 574585
Ion Ratio Lower Upper
117 100
82 53.9 41.4 62.0
119 31.3 26.1 39.1

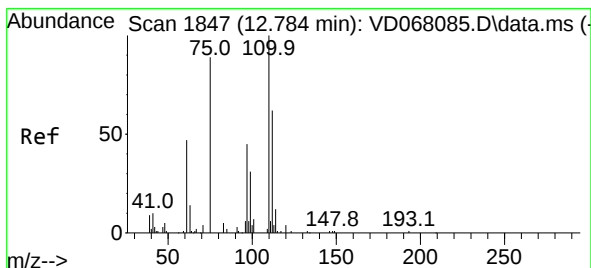
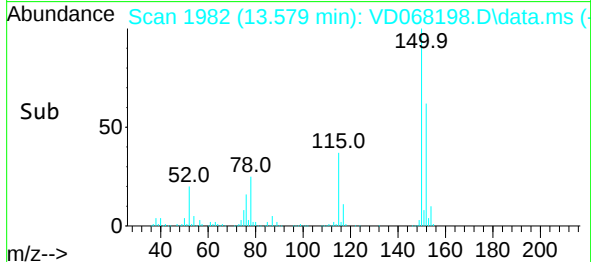
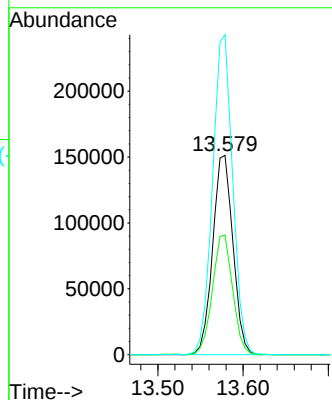
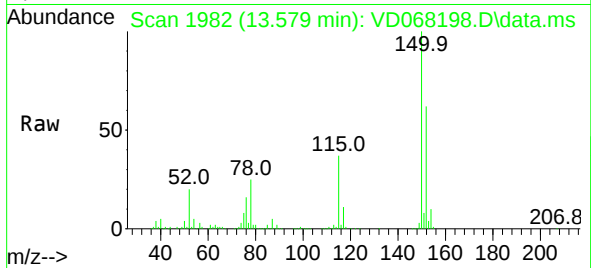




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.006 min
Lab File: VD068198.D
Acq: 27 Jan 2021 12:33

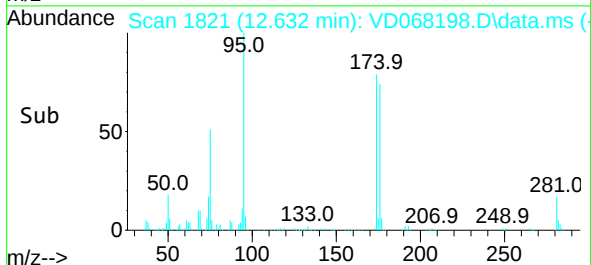
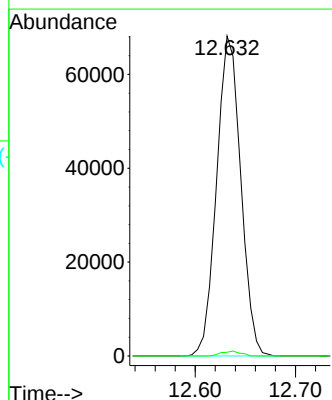
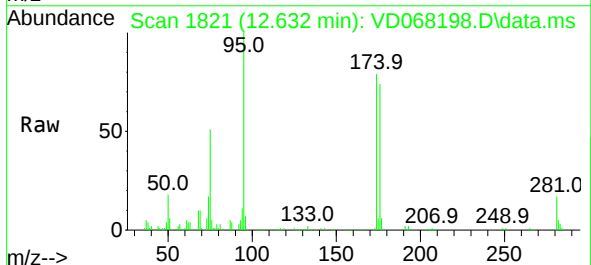
Instrument :
MSVOA_D
ClientSampled :

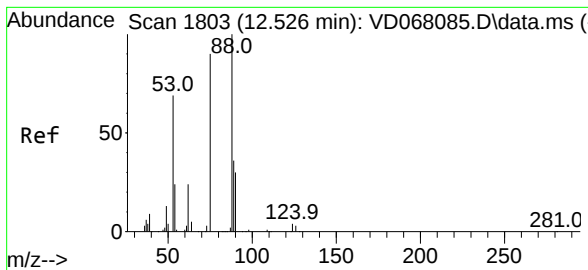
Tgt Ion:152 Resp: 250030
Ion Ratio Lower Upper
152 100
115 59.9 28.9 86.8
150 159.4 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 47.09 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068198.D
Acq: 27 Jan 2021 12:33

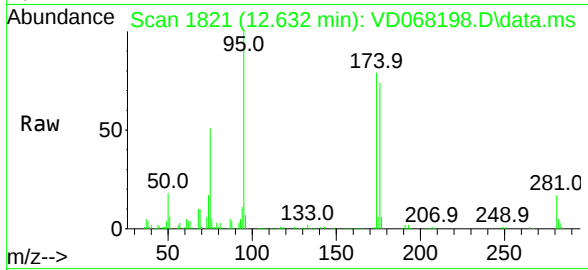
Tgt Ion: 75 Resp: 113830
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.28 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068198.D
 Acq: 27 Jan 2021 12:33

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 113830
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.2 105.2#
 89 0.2 40.3 60.5#

