

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030421\
 Data File : VD068517.D
 Acq On : 04 Mar 2021 11:02
 Operator : VA/SY
 Sample : VD0304SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 04 23:59:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

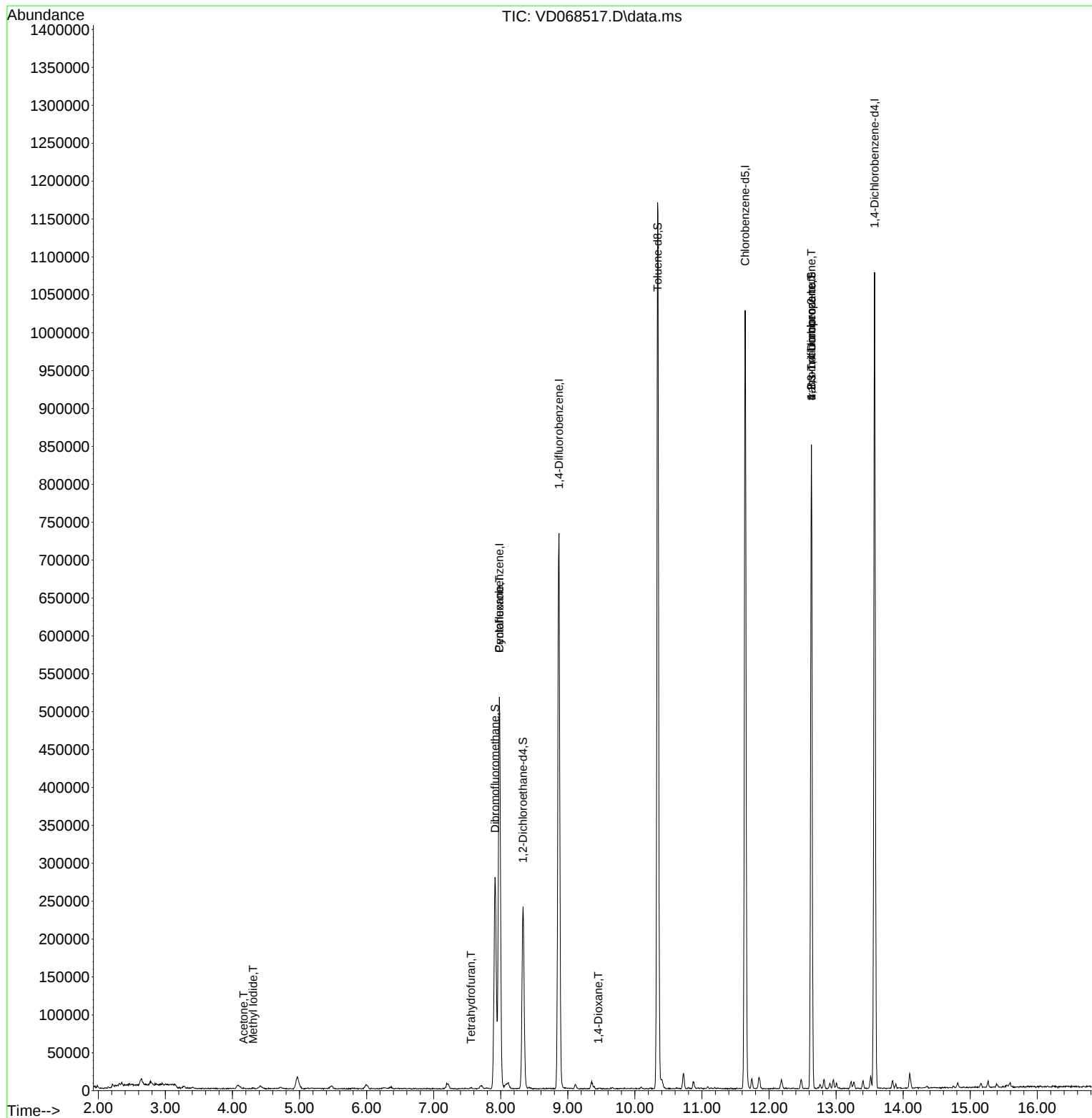
Internal Standards						
1) Pentafluorobenzene	7.979	168	398274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	670069	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	633751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	292707	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	185817	46.70	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.40%		
35) Dibromofluoromethane	7.914	113	199581	49.44	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.88%		
50) Toluene-d8	10.338	98	822354	51.15	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.30%		
62) 4-Bromofluorobenzene	12.632	95	265645	51.27	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.54%		
Target Compounds						
10) Methyl Iodide	4.309	142	2071	3.02	ug/l #	74
16) Acetone	4.168	43	1185	1.87	ug/l #	58
20) Methylene Chloride	4.979	84	13605	Below Cal	#	74
29) Tetrahydrofuran	7.556	42	674	1.14	ug/l #	35
31) Cyclohexane	7.979	56	10896	1.51	ug/l #	20
49) 1,4-Dioxane	9.456	88	54	1.99	ug/l #	30
76) 1,2,3-Trichloropropane	12.632	75	135919	52.31	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	135919	122.06	ug/l #	13

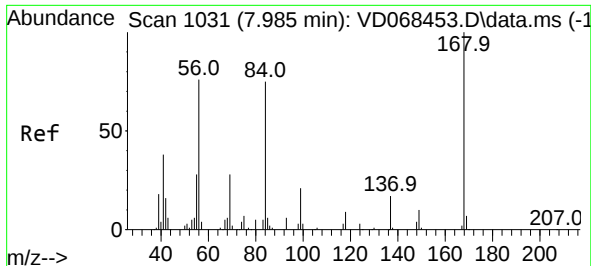
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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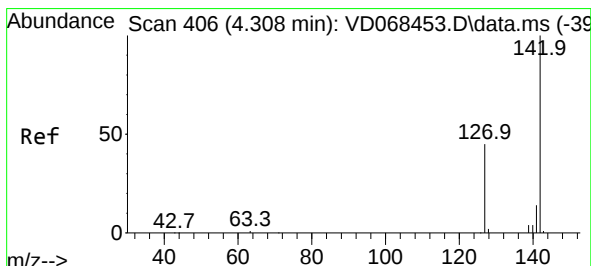
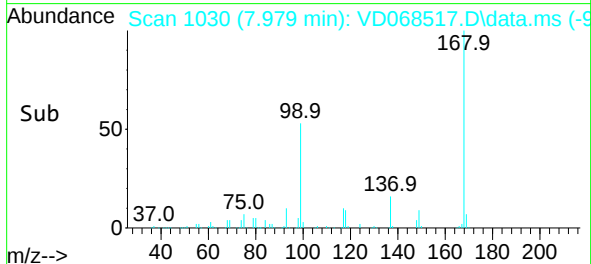
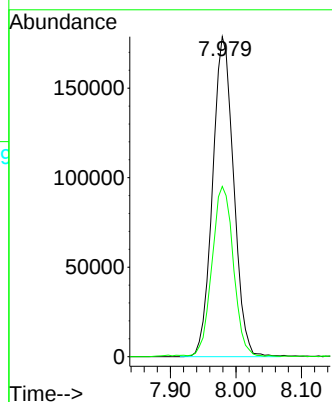
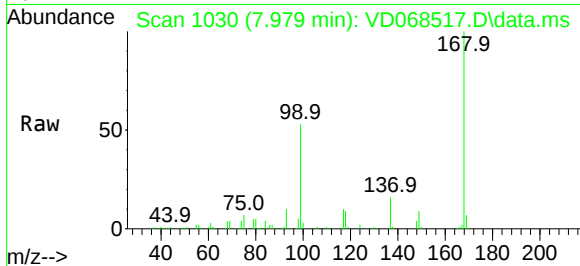




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068517.D
Acq: 04 Mar 2021 11:02

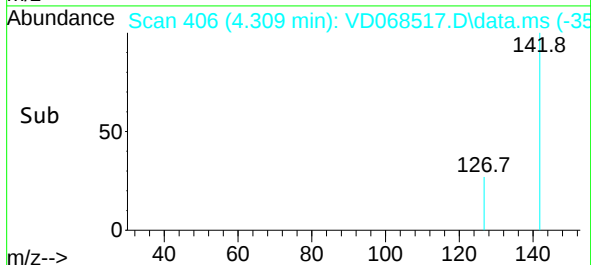
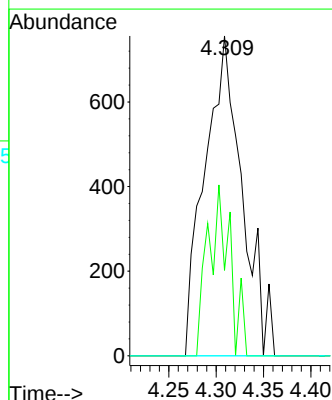
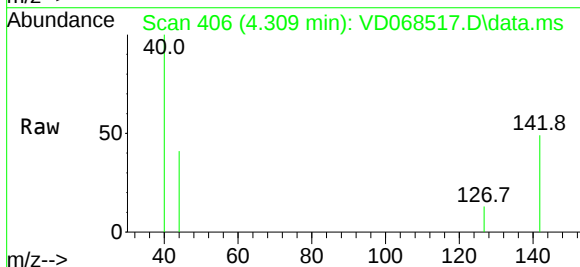
Instrument :
MSVOA_D
ClientSampleId :

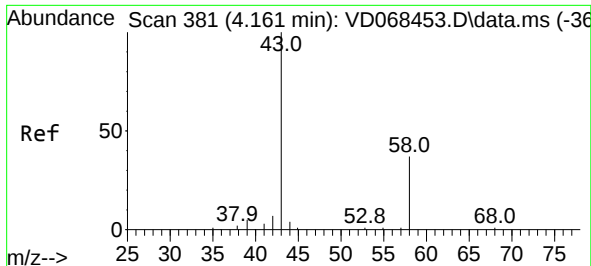
Tgt Ion:168 Resp: 398274
Ion Ratio Lower Upper
168 100
99 53.1 43.5 65.3



#10
Methyl Iodide
Concen: 3.02 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.001 min
Lab File: VD068517.D
Acq: 04 Mar 2021 11:02

Tgt Ion:142 Resp: 2071
Ion Ratio Lower Upper
142 100
127 31.4 37.9 56.9#
141 0.0 11.5 17.3#

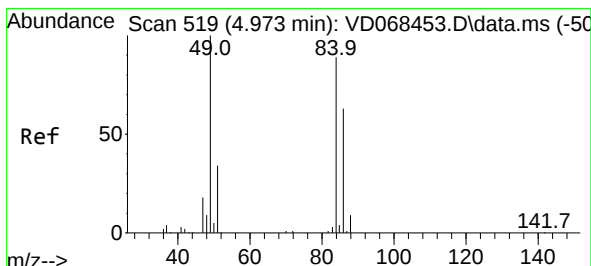
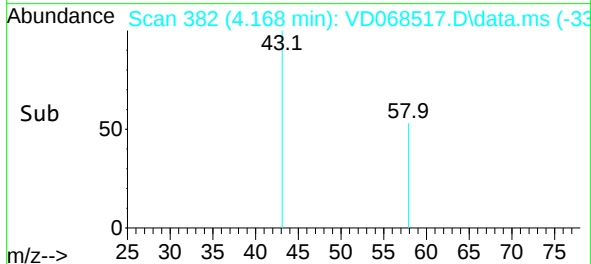
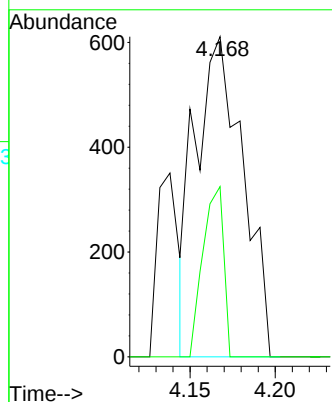
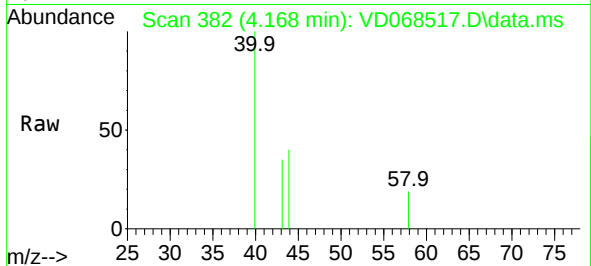




#16
Acetone
Concen: 1.87 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068517.D
Acq: 04 Mar 2021 11:02

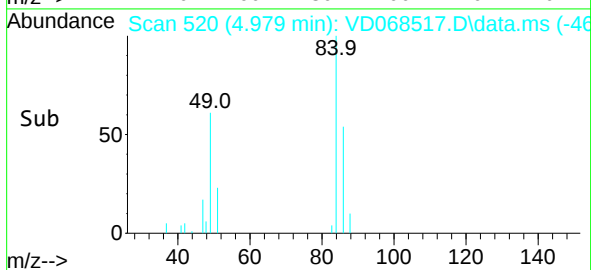
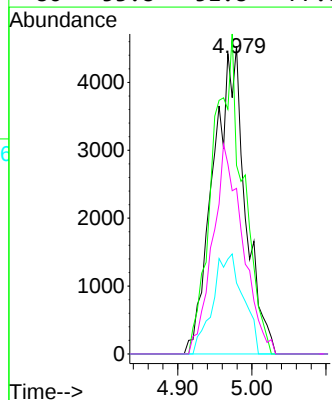
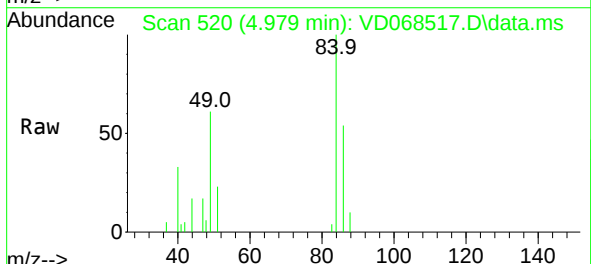
Instrument :
MSVOA_D
ClientSampleId :

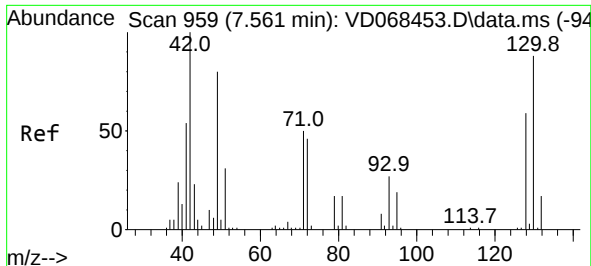
Tgt Ion: 43 Resp: 1185
Ion Ratio Lower Upper
43 100
58 53.2 24.2 36.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.006 min
Lab File: VD068517.D
Acq: 04 Mar 2021 11:02

Tgt Ion: 84 Resp: 13605
Ion Ratio Lower Upper
84 100
49 61.3 77.4 116.2#
51 23.1 26.1 39.1#
86 53.8 51.8 77.8





#29

Tetrahydrofuran

Concen: 1.14 ug/l

RT: 7.556 min Scan# 958

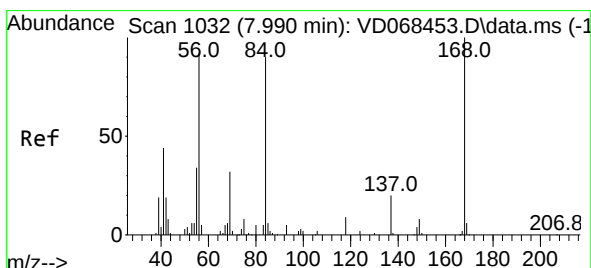
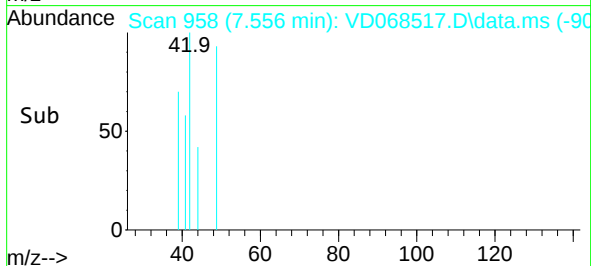
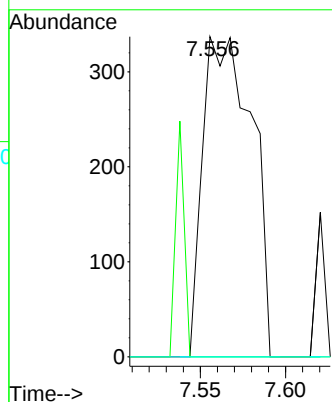
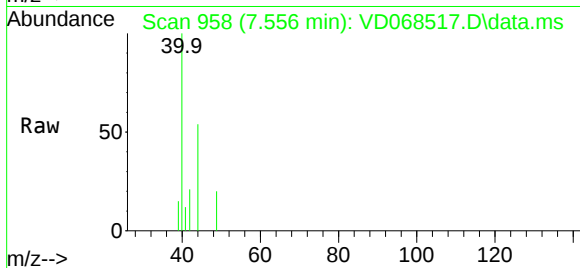
Delta R.T. -0.005 min

Lab File: VD068517.D

Acq: 04 Mar 2021 11:02

Tgt Ion:	42	Resp:	674
Ion	Ratio	Lower	Upper
42	100		
72	13.1	43.4	65.0#
71	0.0	40.8	61.2#

Instrument :
MSVOA_D
ClientSampleId :



#31

Cyclohexane

Concen: 1.51 ug/l

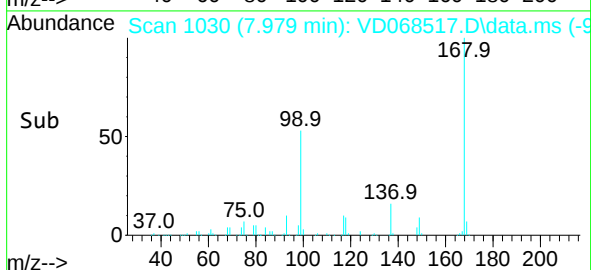
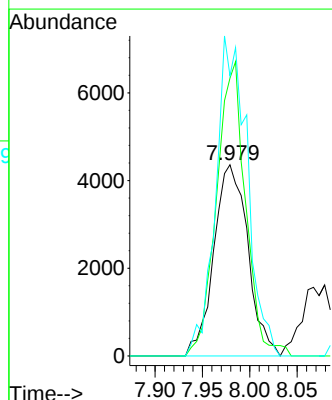
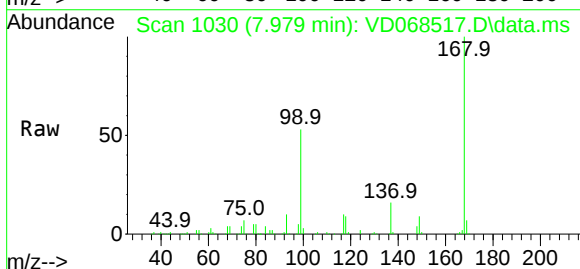
RT: 7.979 min Scan# 1030

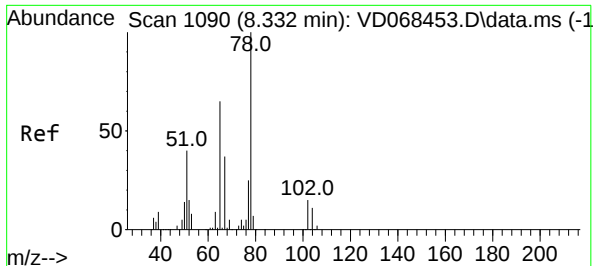
Delta R.T. -0.011 min

Lab File: VD068517.D

Acq: 04 Mar 2021 11:02

Tgt Ion:	56	Resp:	10896
Ion	Ratio	Lower	Upper
56	100		
69	145.2	30.1	45.1#
84	146.5	82.1	123.1#

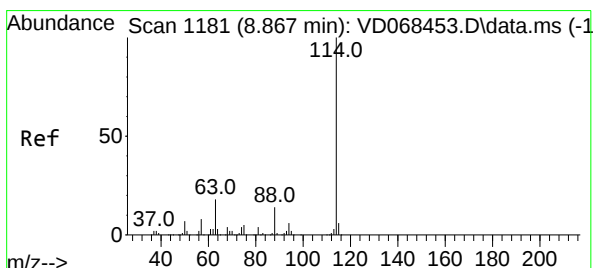
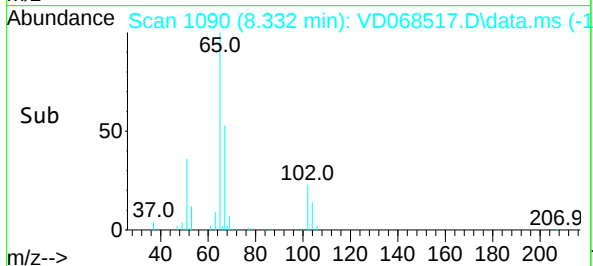
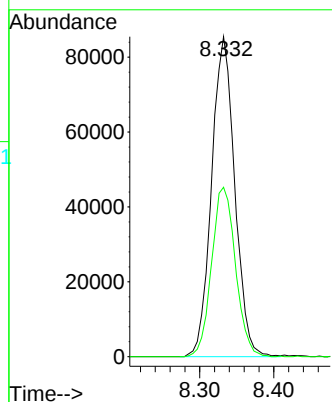
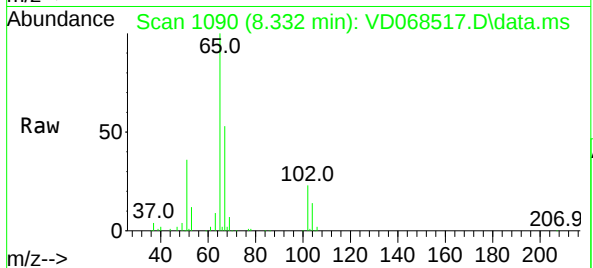




#33
1,2-Dichloroethane-d4
Concen: 46.70 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.001 min
Lab File: VD068517.D
Acq: 04 Mar 2021 11:02

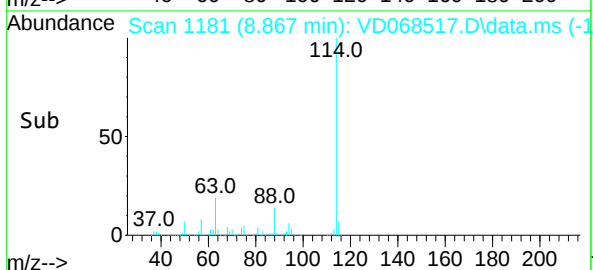
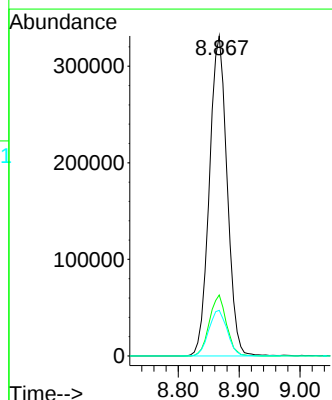
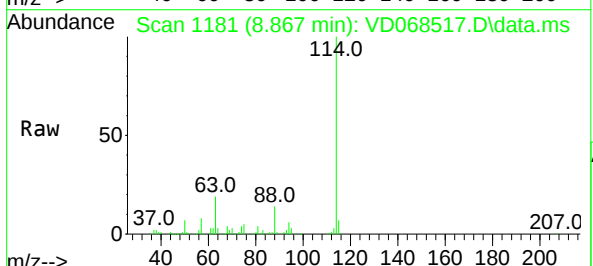
Instrument :
MSVOA_D
ClientSampleId :

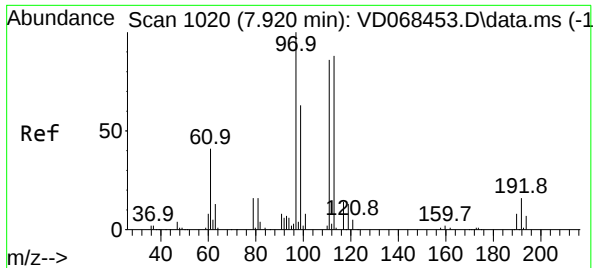
Tgt Ion: 65 Resp: 185817
Ion Ratio Lower Upper
65 100
67 54.5 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.001 min
Lab File: VD068517.D
Acq: 04 Mar 2021 11:02

Tgt Ion: 114 Resp: 670069
Ion Ratio Lower Upper
114 100
63 19.0 0.0 34.8
88 14.2 0.0 31.6

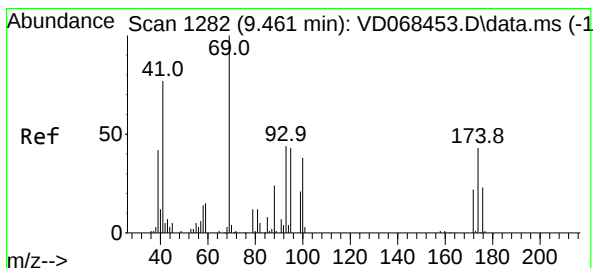
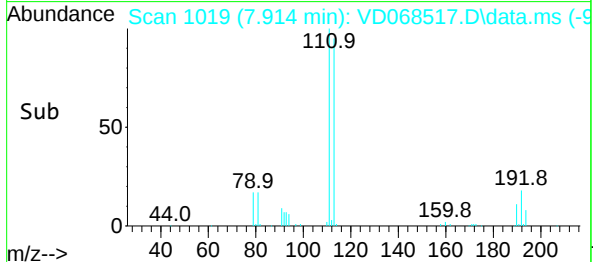
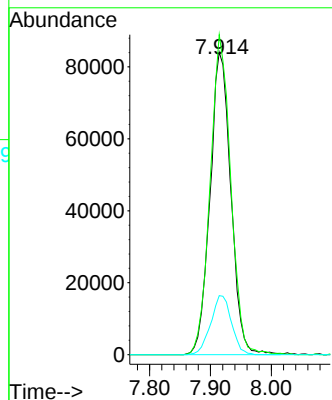
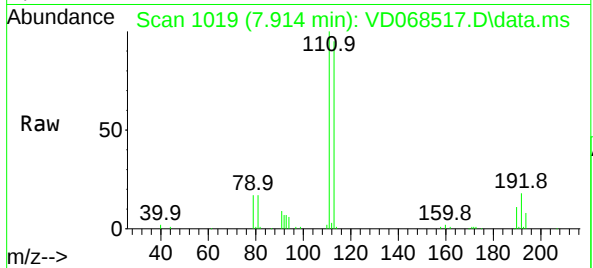




#35
Dibromofluoromethane
Concen: 49.44 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.005 min
Lab File: VD068517.D
Acq: 04 Mar 2021 11:02

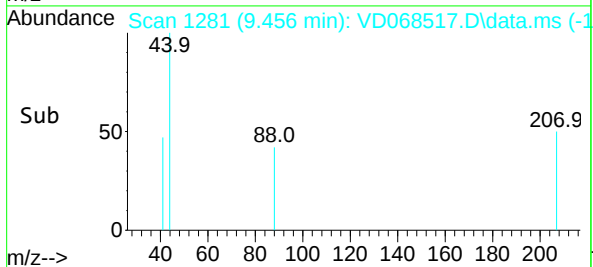
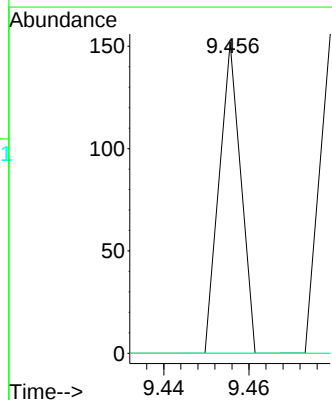
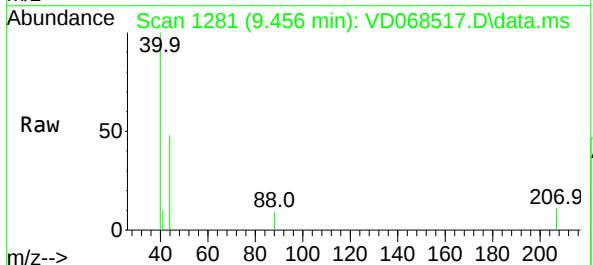
Instrument :
MSVOA_D
ClientSampleId :

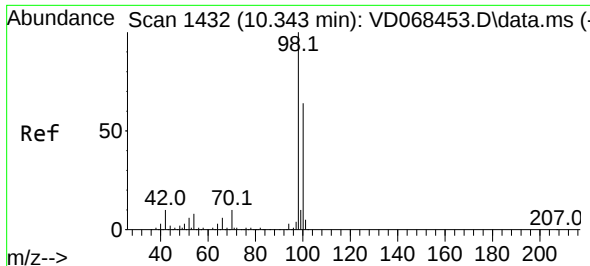
Tgt Ion:113 Resp: 199581
Ion Ratio Lower Upper
113 100
111 104.5 81.4 122.0
192 19.5 16.1 24.1



#49
1,4-Dioxane
Concen: 1.99 ug/l
RT: 9.456 min Scan# 1281
Delta R.T. -0.005 min
Lab File: VD068517.D
Acq: 04 Mar 2021 11:02

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 22.1 33.1#
58 0.0 46.7 70.1#

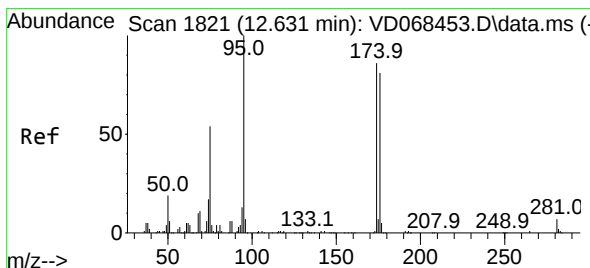
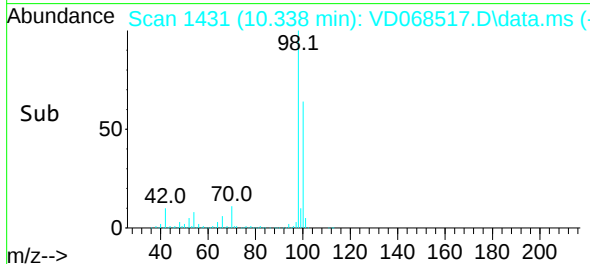
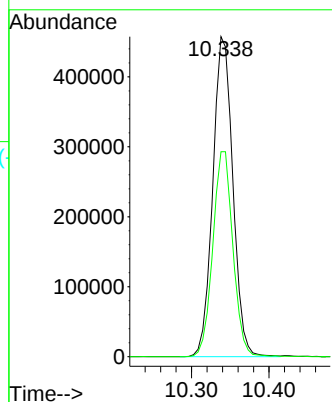
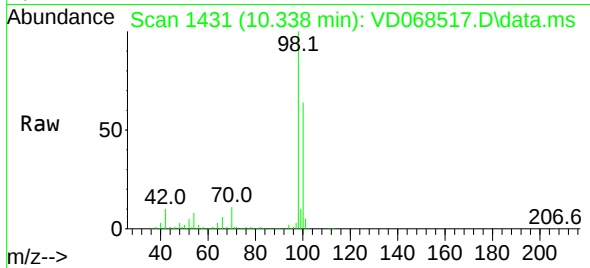




#50
Toluene-d8
Concen: 51.15 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.005 min
Lab File: VD068517.D
Acq: 04 Mar 2021 11:02

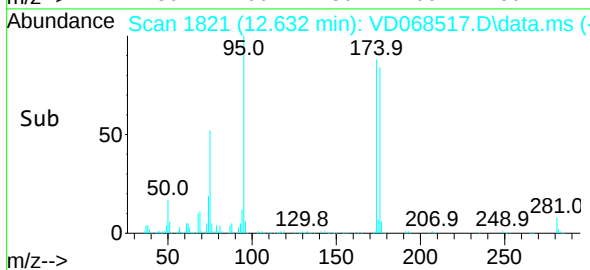
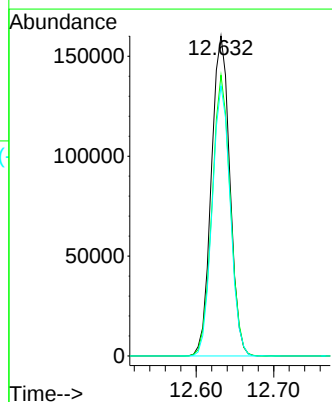
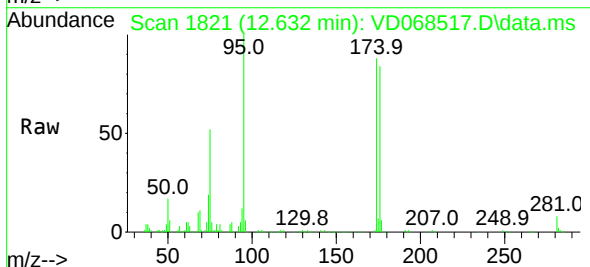
Instrument :
MSVOA_D
ClientSampleId :

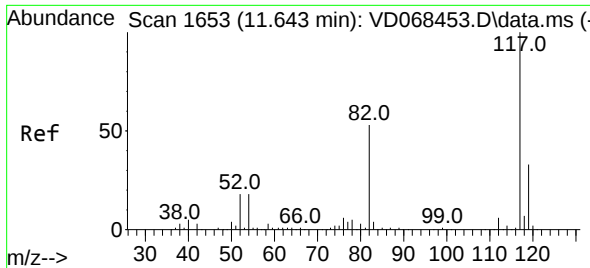
Tgt Ion: 98 Resp: 822354
Ion Ratio Lower Upper
98 100
100 64.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 51.27 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068517.D
Acq: 04 Mar 2021 11:02

Tgt Ion: 95 Resp: 265645
Ion Ratio Lower Upper
95 100
174 86.2 0.0 172.4
176 82.5 0.0 168.4

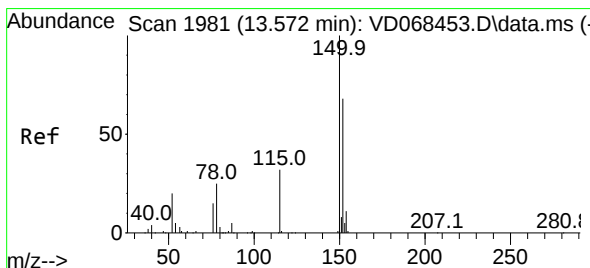
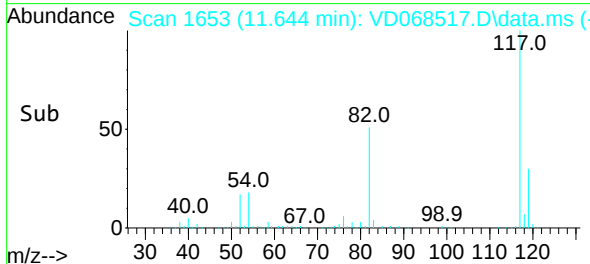
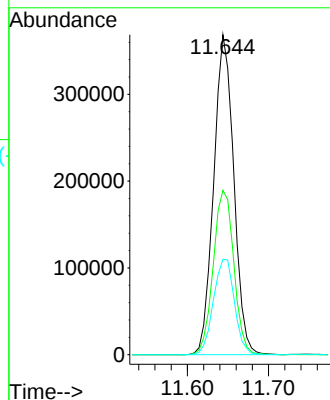
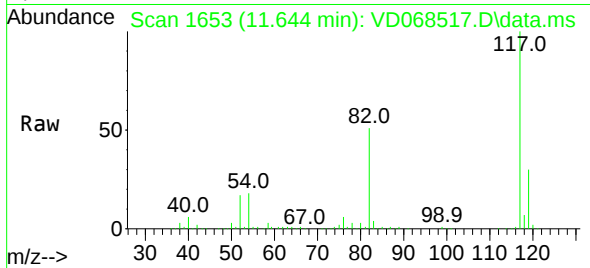




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068517.D
Acq: 04 Mar 2021 11:02

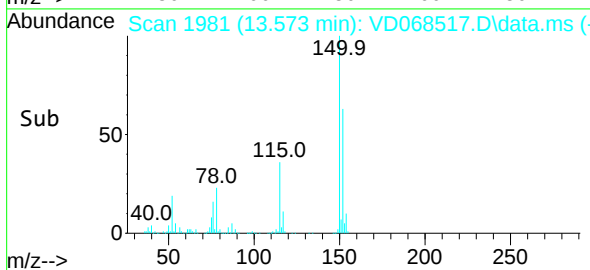
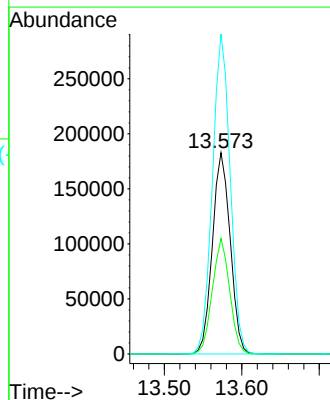
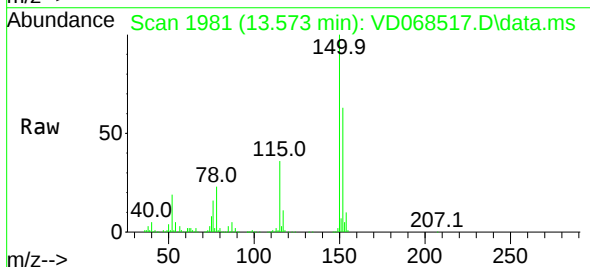
Instrument :
MSVOA_D
ClientSampleId :

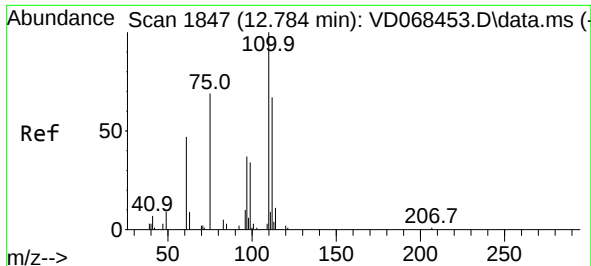
Tgt Ion:117 Resp: 633751
Ion Ratio Lower Upper
117 100
82 51.3 41.4 62.0
119 29.8 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.001 min
Lab File: VD068517.D
Acq: 04 Mar 2021 11:02

Tgt Ion:152 Resp: 292707
Ion Ratio Lower Upper
152 100
115 55.7 28.9 86.8
150 158.2 0.0 344.4

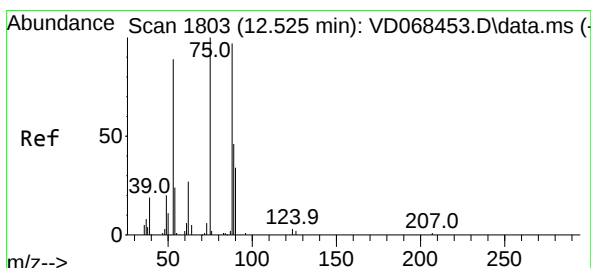
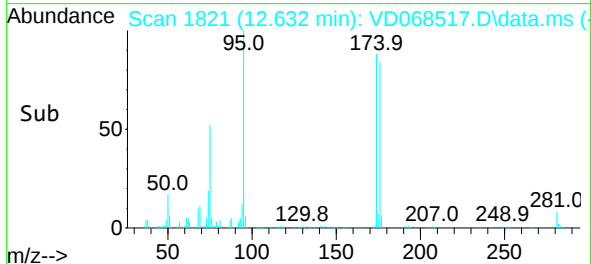
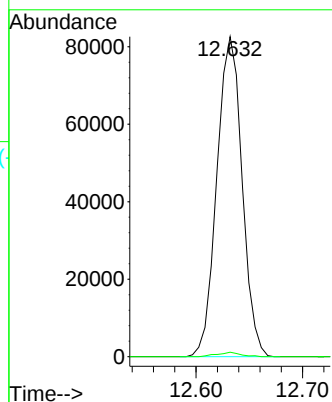
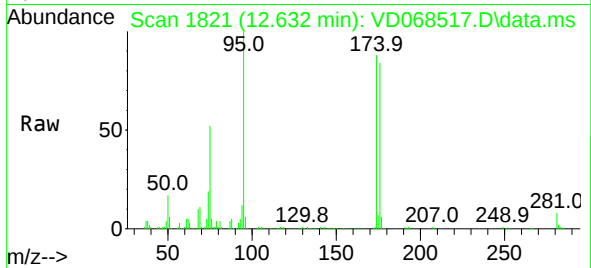




#76
1,2,3-Trichloropropane
Concen: 52.31 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.152 min
Lab File: VD068517.D
Acq: 04 Mar 2021 11:02

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 135919
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.06 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068517.D
Acq: 04 Mar 2021 11:02

Tgt Ion: 75 Resp: 135919
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.1 40.3 60.5#

