

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063133.D
 Acq On : 17 Jul 2019 16:02
 Operator : VA/AP
 Sample : K3852-03
 Misc : 4.85µ/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 18 06:57:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	823883	50.00	µg/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1127241	50.00	µg/l	0.00
63) Chlorobenzene-d5	12.37	117	753662	50.00	µg/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	304929	50.00	µg/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	364464	35.51	µg/l	0.00
Spiked Amount				50.000		
Recovery					=	71.02%
35) Dibromofluoromethane	6.92	113	404904	36.06	µg/l	0.00
Spiked Amount				50.000		
Recovery					=	72.12%
50) Toluene-d8	10.41	98	843705	34.98	µg/l	0.00
Spiked Amount				50.000		
Recovery					=	69.96%
62) 4-Bromofluorobenzene	13.56	95	293315	26.29	µg/l	0.00
Spiked Amount				50.000		
Recovery					=	52.58%

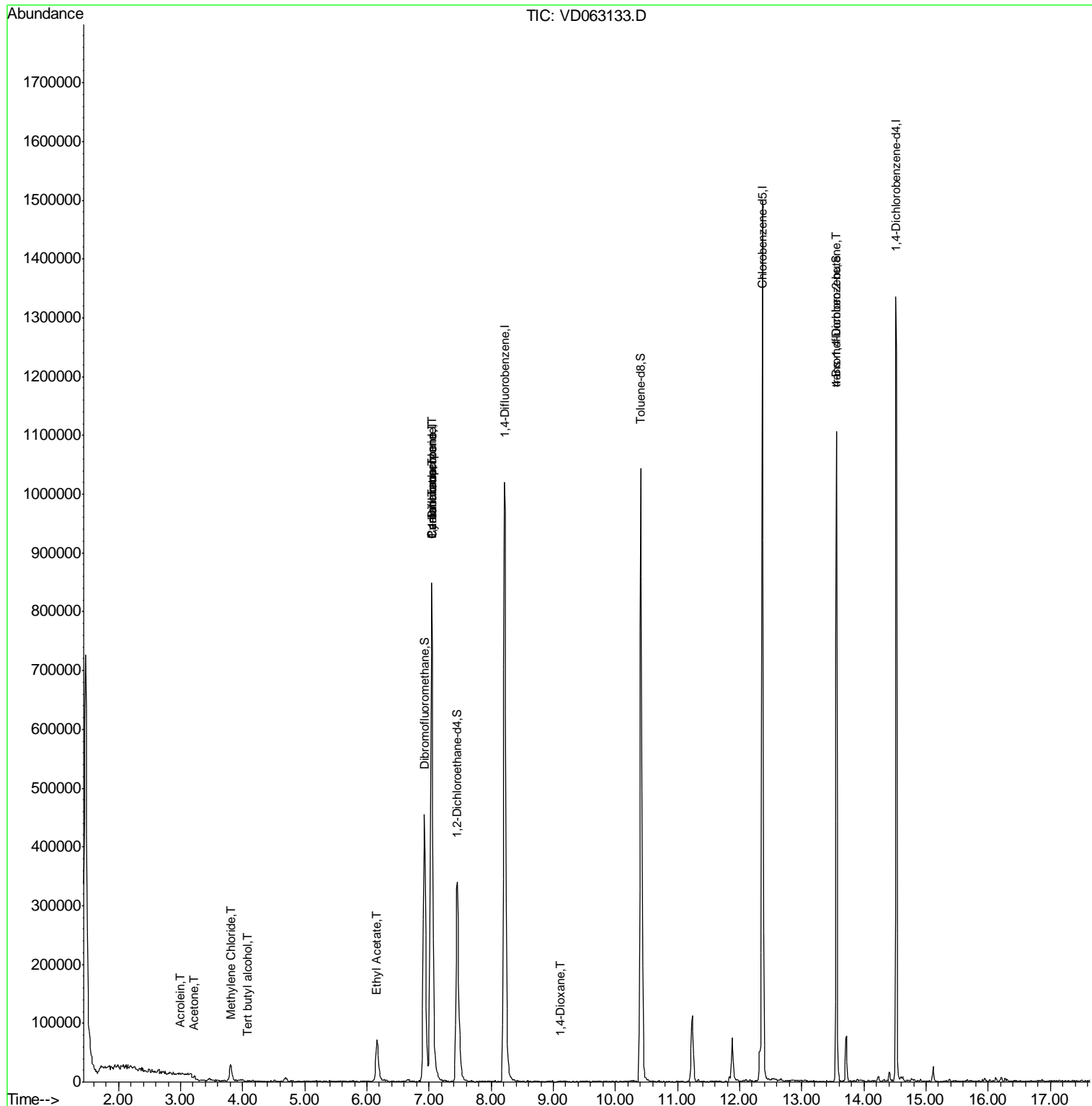
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	1229	Below Cal		91
3) Chloromethane	1.74	50	617	Below Cal	#	48
5) Bromomethane	2.13	94	449	Below Cal	#	13
11) Tert butyl alcohol	4.07	59	963	1.626	µg/l #	77
13) Acrolein	2.99	56	344	1.924	µg/l #	82
16) Acetone	3.22	43	11558	4.663	µg/l	93
18) Methyl Acetate	3.60	43	868	Below Cal	#	63
20) Methylene Chloride	3.80	84	15895	1.697	µg/l #	81
31) Cyclohexane	7.04	56	17104	1.751	µg/l #	3
36) 1,1-Dichloropropene	7.04	75	63363	4.998	µg/l #	46
37) Ethyl Acetate	6.16	43	6900	1.272	µg/l #	61
38) Carbon Tetrachloride	7.04	117	80406	4.174	µg/l #	14
49) 1,4-Dioxane	9.11	88	178	4.041	µg/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	137917	111.653	µg/l #	1

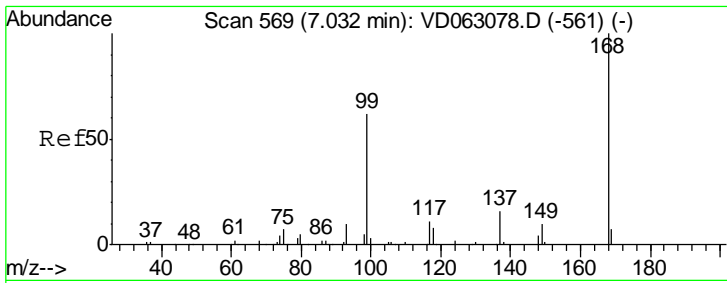
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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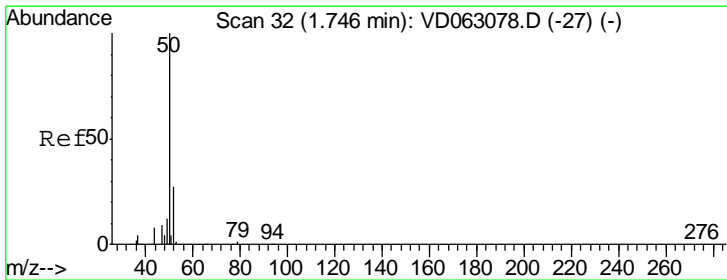
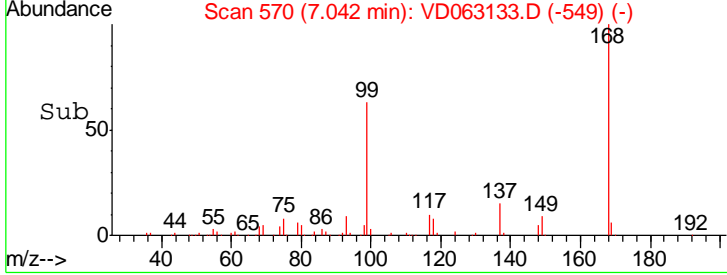
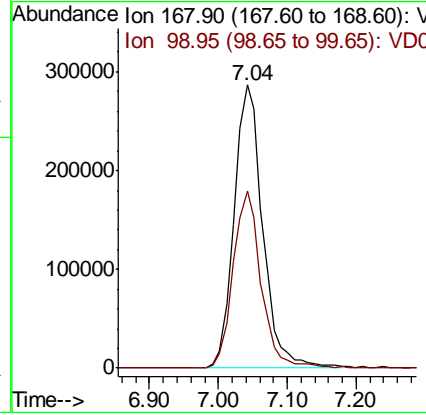
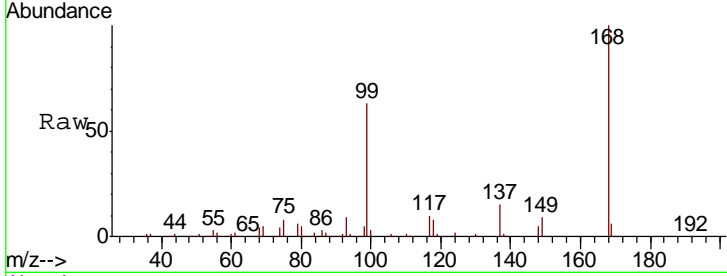




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VD063133.D
 Acq: 17 Jul 2019 16:02

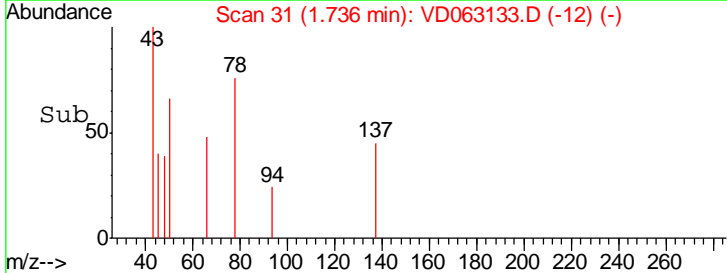
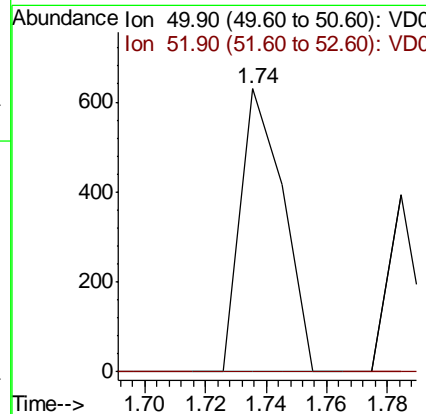
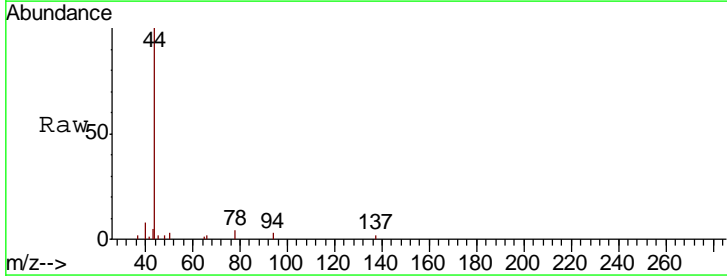
Instrument : MSVOA_D
 ClientSampled :

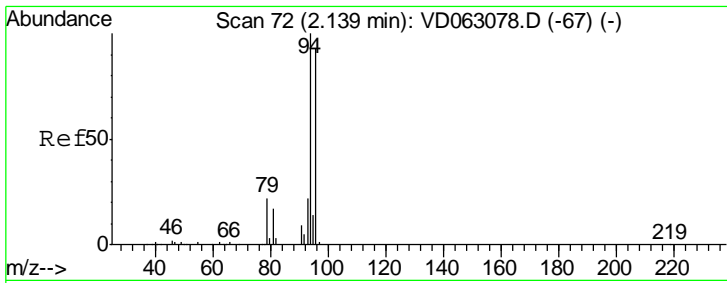
Tgt Ion	Resp	Lower	Upper
168	100		
99	62.8	50.8	76.2



#3
 Chloromethane
 Concen: Below Cal
 RT: 1.74 min Scan# 31
 Delta R.T. -0.01 min
 Lab File: VD063133.D
 Acq: 17 Jul 2019 16:02

Tgt Ion	Resp	Lower	Upper
50	100		
52	0.0	21.4	32.2#

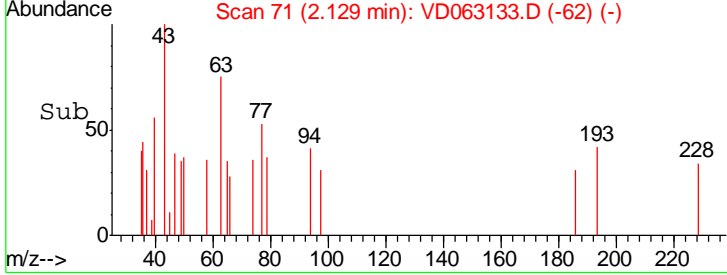
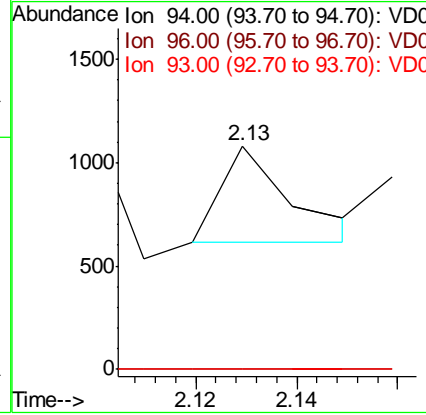
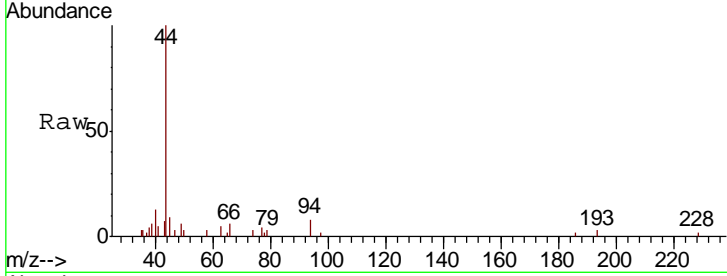




#5
 Bromomethane
 Concen: Below Cal
 RT: 2.13 min Scan# 71
 Delta R.T. -0.01 min
 Lab File: VD063133.D
 Acq: 17 Jul 2019 16:02

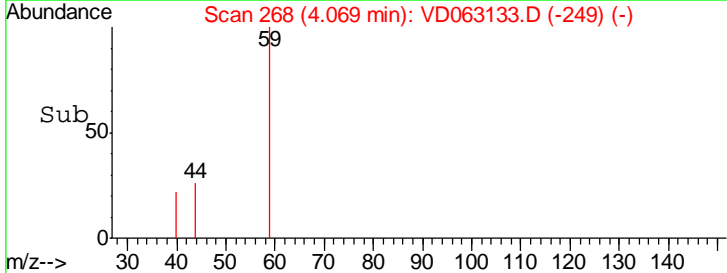
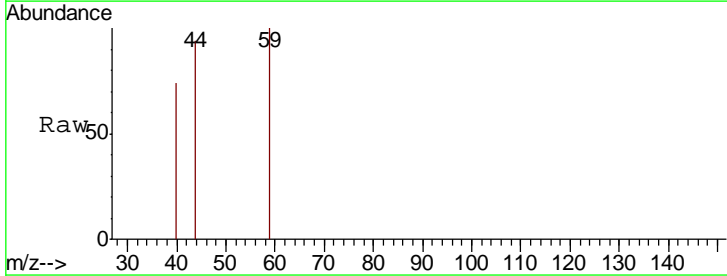
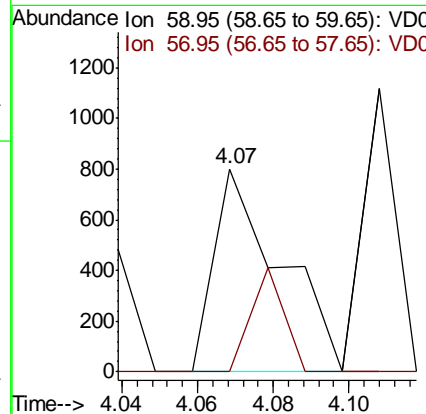
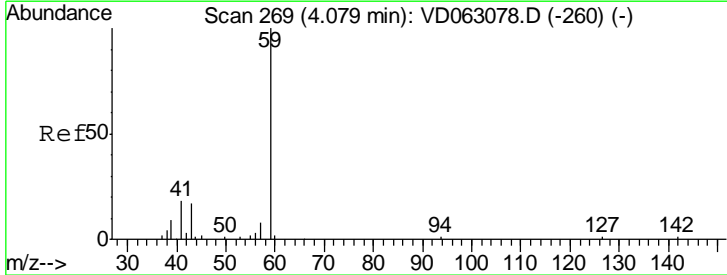
Instrument :
 MSVOA_D
 ClientSampled :

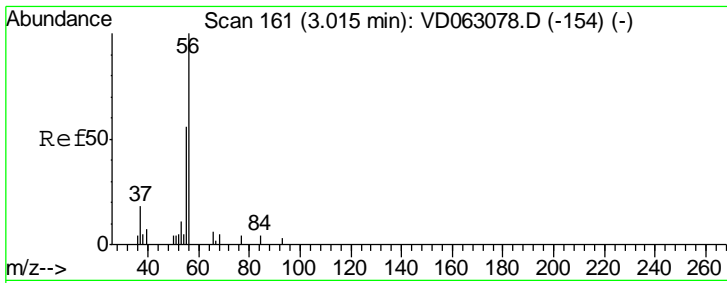
Tgt Ion	Resp	Lower	Upper
94	100		
96	0.0	74.2	111.2#
93	0.0	17.8	26.6#



#11
 Tert butyl alcohol
 Concen: 1.626 ug/l
 RT: 4.07 min Scan# 268
 Delta R.T. -0.01 min
 Lab File: VD063133.D
 Acq: 17 Jul 2019 16:02

Tgt Ion	Resp	Lower	Upper
59	100		
57	0.0	6.4	9.6#

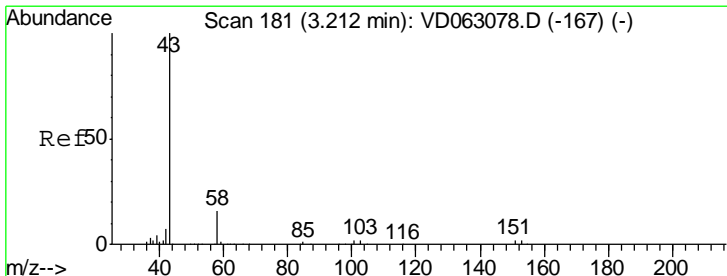
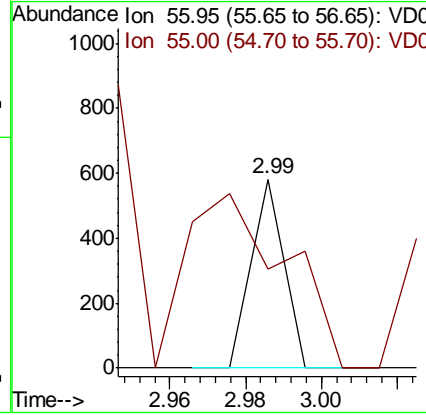
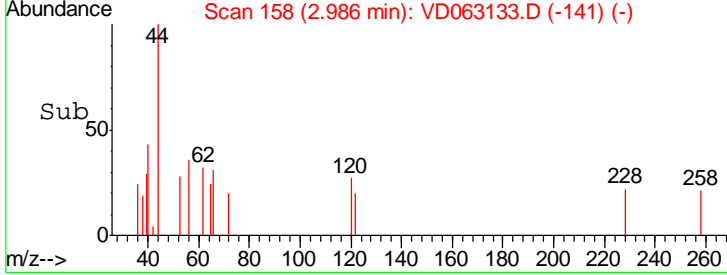
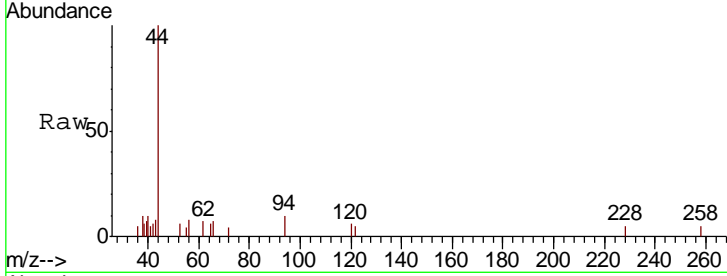




#13
 Acrolein
 Concen: 1.924 ug/l
 RT: 2.99 min Scan# 158
 Delta R.T. -0.03 min
 Lab File: VD063133.D
 Acq: 17 Jul 2019 16:02

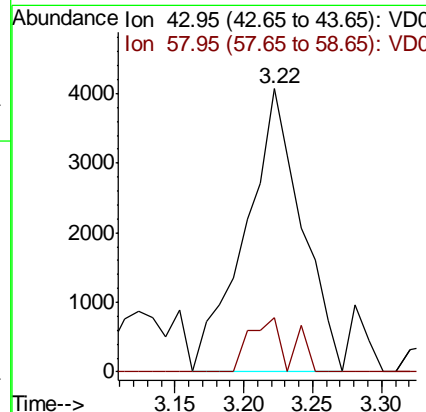
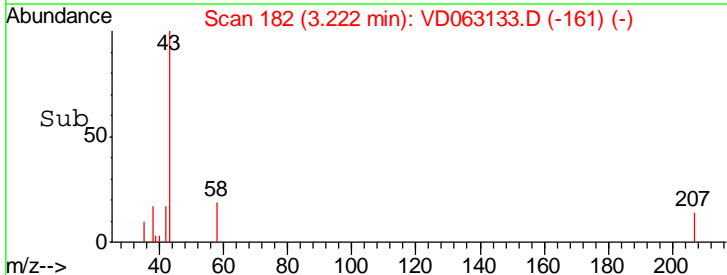
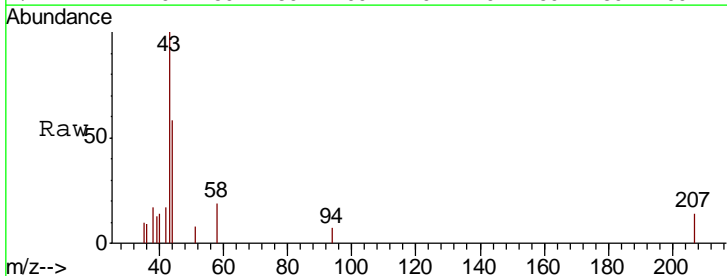
Instrument : MSVOA_D
 ClientSampled :

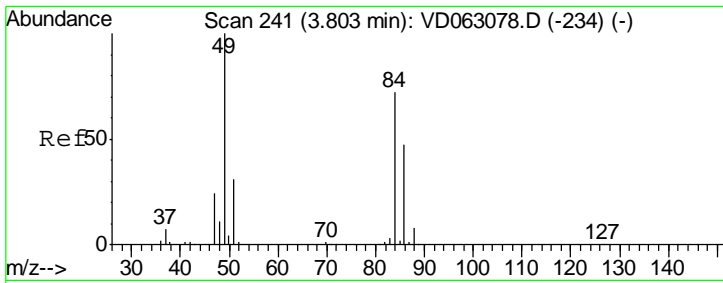
Tgt Ion: 56 Resp: 344
 Ion Ratio Lower Upper
 56 100
 55 52.2 53.0 79.4#



#16
 Acetone
 Concen: 4.663 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. 0.01 min
 Lab File: VD063133.D
 Acq: 17 Jul 2019 16:02

Tgt Ion: 43 Resp: 11558
 Ion Ratio Lower Upper
 43 100
 58 19.2 13.0 19.4

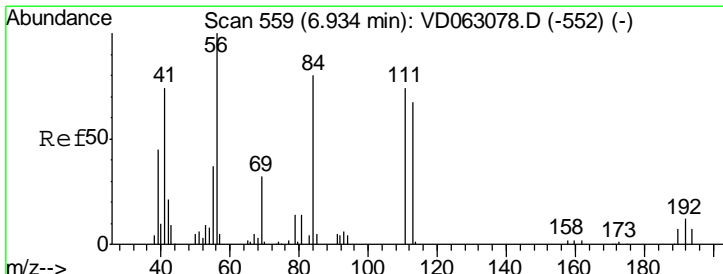
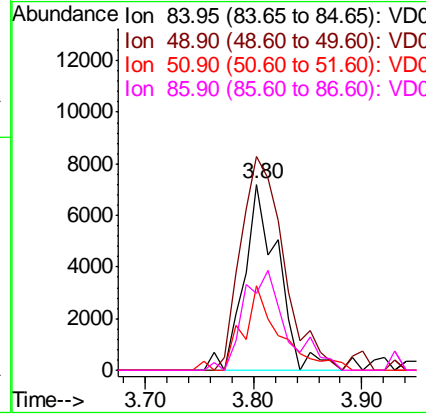
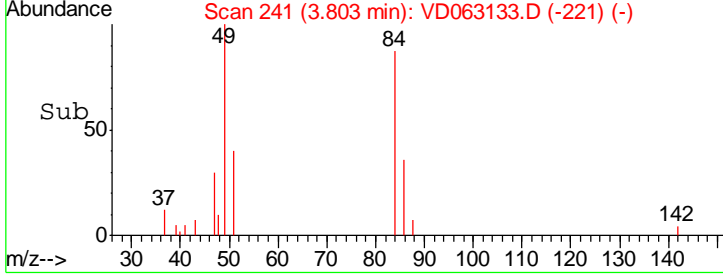
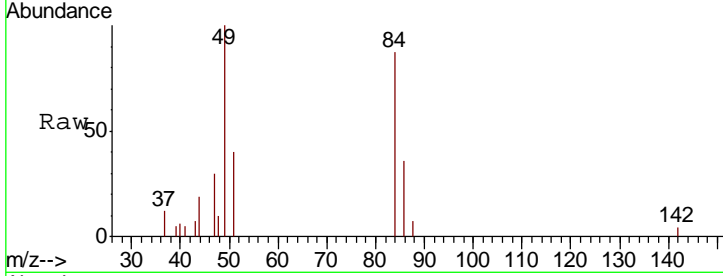




#20
Methylene Chloride
Concen: 1.697 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD063133.D
Acq: 17 Jul 2019 16:02

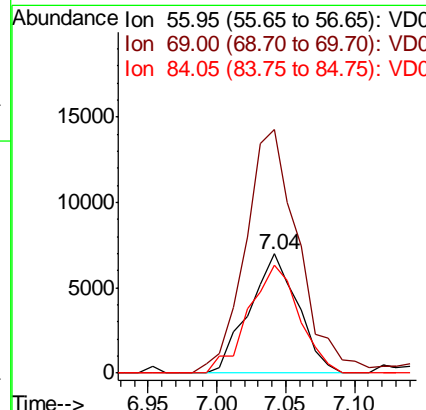
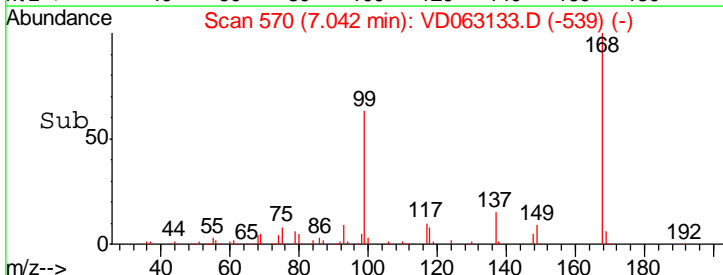
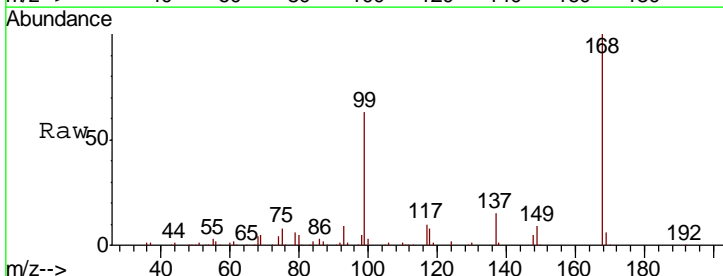
Instrument :
MSVOA_D
ClientSampled :

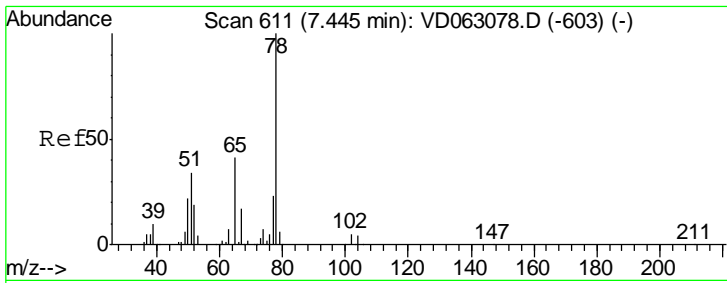
Tgt Ion	Resp	Lower	Upper
84	15895		
49	114.7	110.5	165.7
51	45.4	34.6	51.8
86	41.2	51.6	77.4#



#31
Cyclohexane
Concen: 1.751 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.11 min
Lab File: VD063133.D
Acq: 17 Jul 2019 16:02

Tgt Ion	Resp	Lower	Upper
56	17104		
69	204.5	25.3	37.9#
84	91.2	64.2	96.4

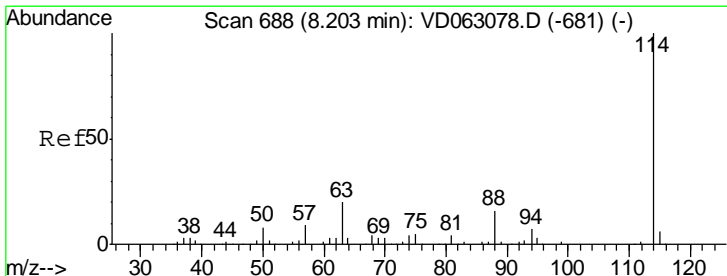
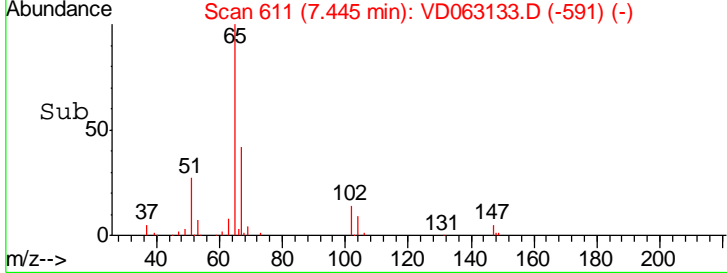
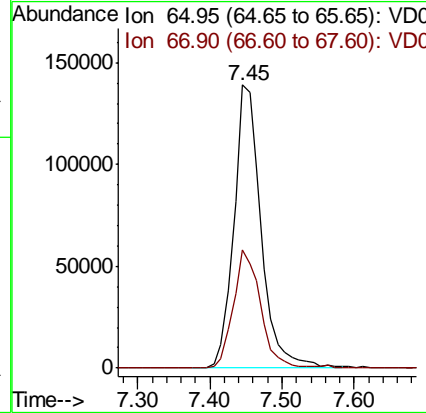
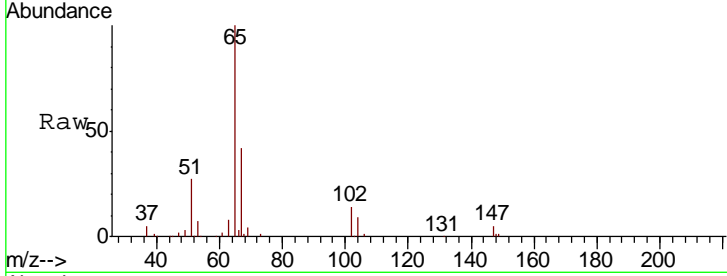




#33
 1,2-Dichloroethane-d4
 Concen: 35.512 ug/l
 RT: 7.45 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VD063133.D
 Acq: 17 Jul 2019 16:02

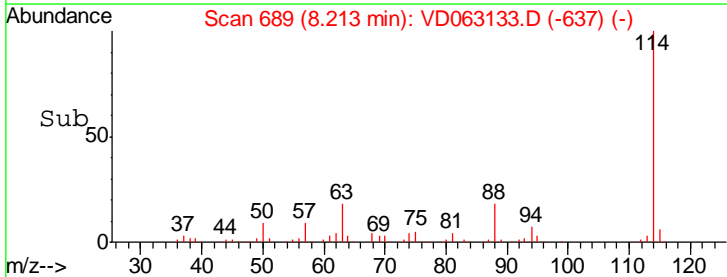
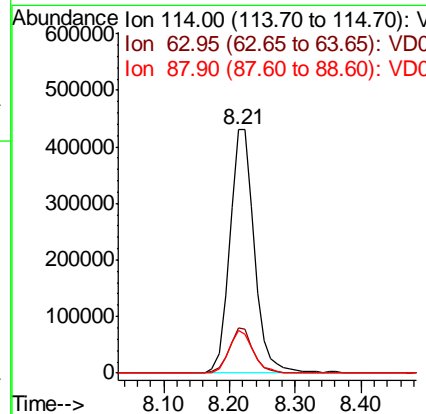
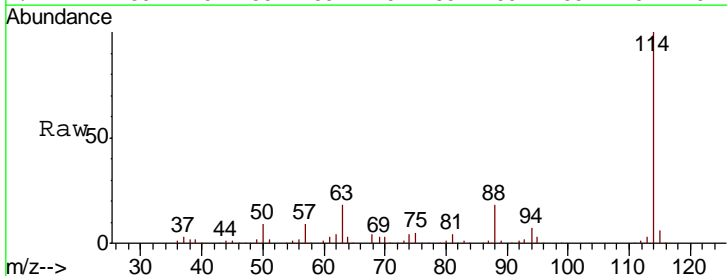
Instrument :
 MSVOA_D
 ClientSampled :

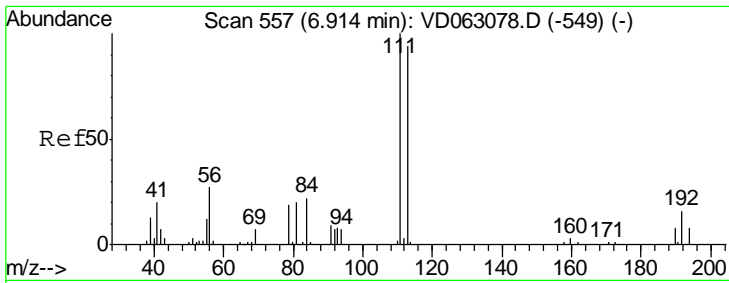
Tgt Ion	Resp	Lower	Upper
65	100		
67	41.8	0.0	86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD063133.D
 Acq: 17 Jul 2019 16:02

Tgt Ion	Resp	Lower	Upper
114	100		
63	18.3	0.0	40.6
88	17.6	0.0	32.6

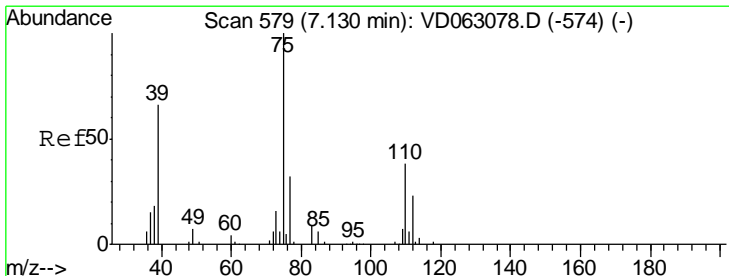
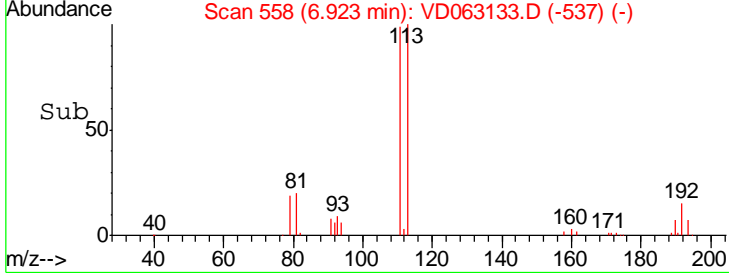
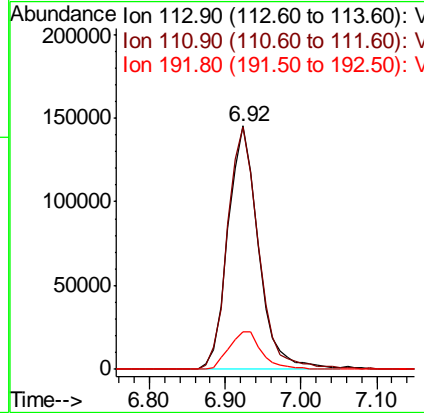
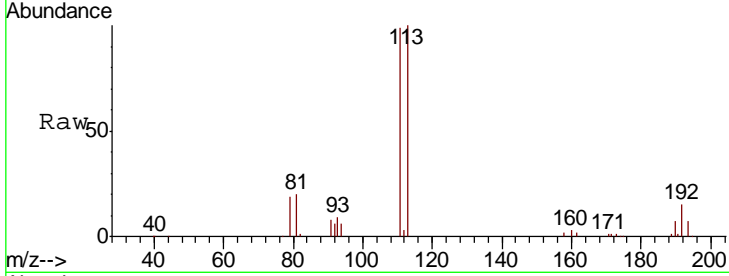




#35
 Dibromofluoromethane
 Concen: 36.063 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063133.D
 Acq: 17 Jul 2019 16:02

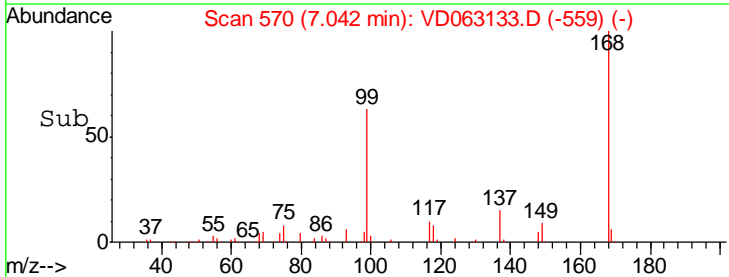
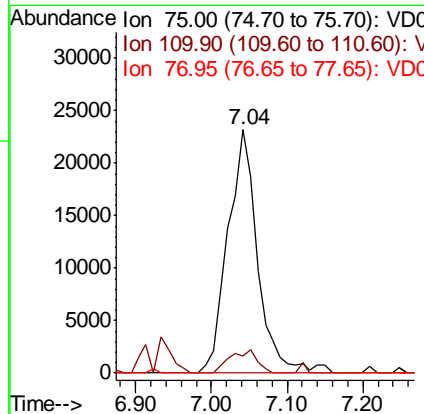
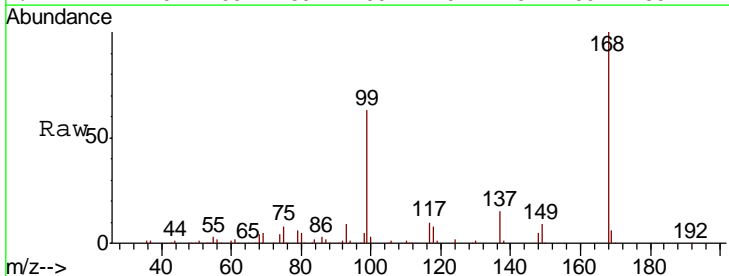
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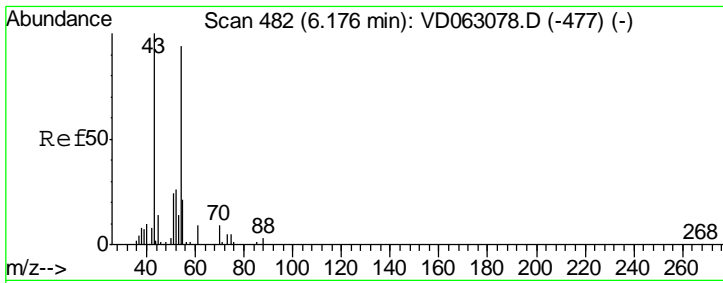
Tgt Ion	Resp	Lower	Upper
113	100		
111	99.4	84.8	127.2
192	15.3	13.4	20.0



#36
 1,1-Dichloropropene
 Concen: 4.998 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD063133.D
 Acq: 17 Jul 2019 16:02

Tgt Ion	Resp	Lower	Upper
75	100		
110	7.2	18.9	56.5#
77	0.0	25.2	37.8#

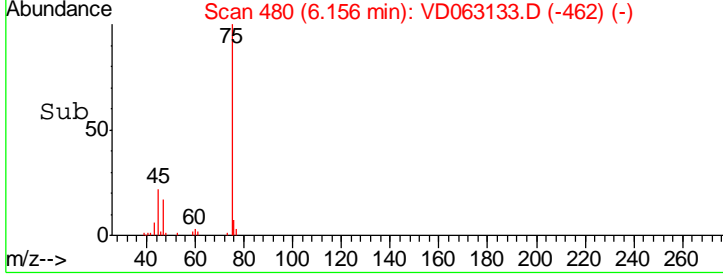
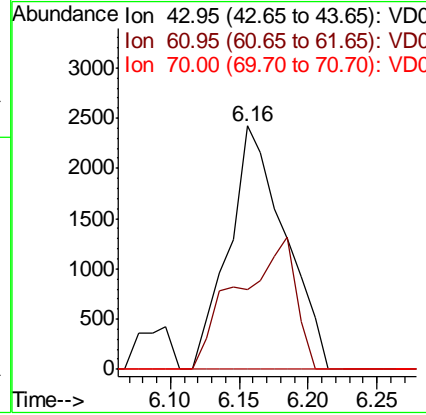
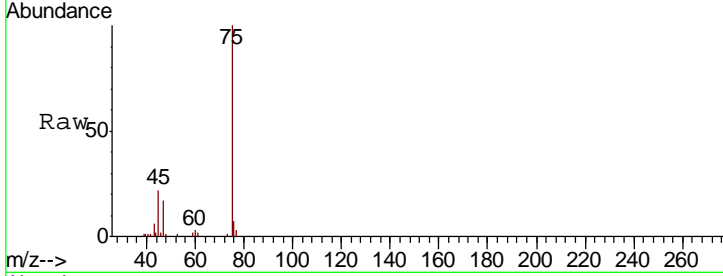




#37
 Ethyl Acetate
 Concen: 1.272 ug/l
 RT: 6.16 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: VD063133.D
 Acq: 17 Jul 2019 16:02

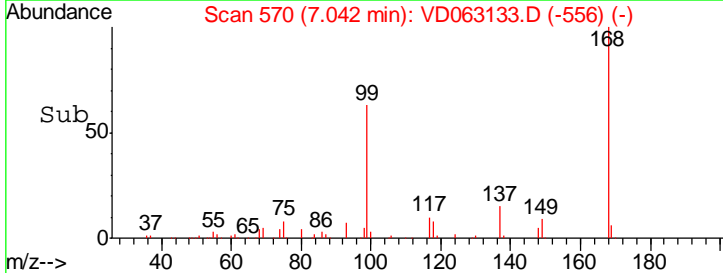
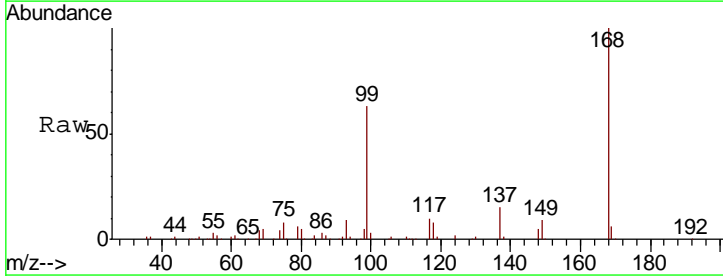
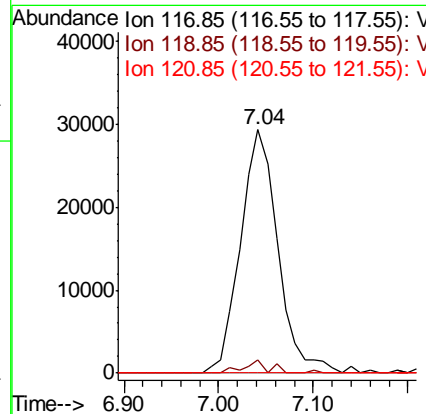
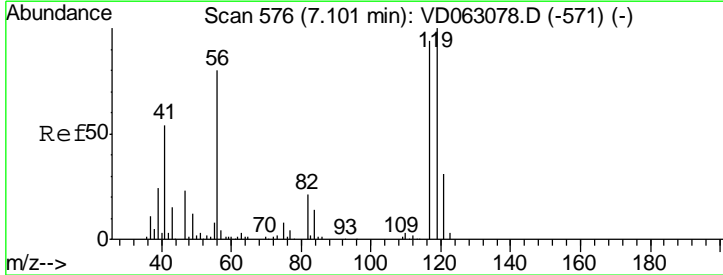
Instrument :
 MSVOA_D
 ClientSampled :

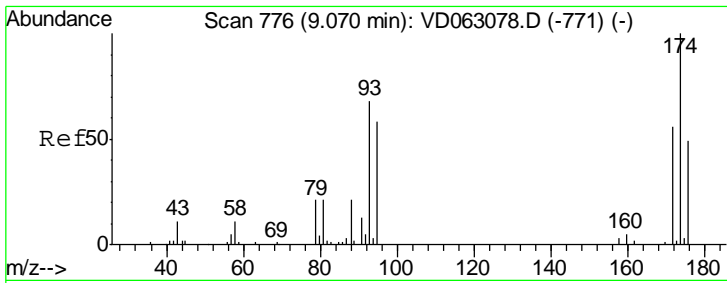
Tgt Ion	Resp	Lower	Upper
43	100		
61	32.7	10.6	16.0#
70	0.0	6.6	9.8#



#38
 Carbon Tetrachloride
 Concen: 4.174 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.06 min
 Lab File: VD063133.D
 Acq: 17 Jul 2019 16:02

Tgt Ion	Resp	Lower	Upper
117	100		
119	5.4	80.0	120.0#
121	0.0	25.0	37.4#

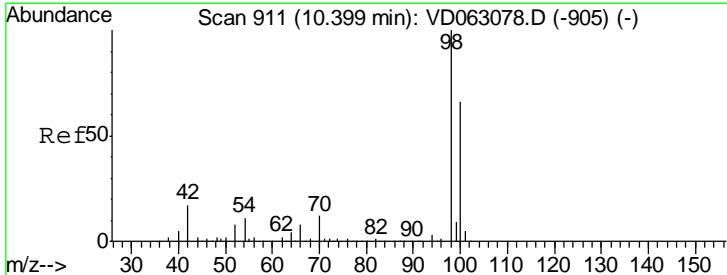
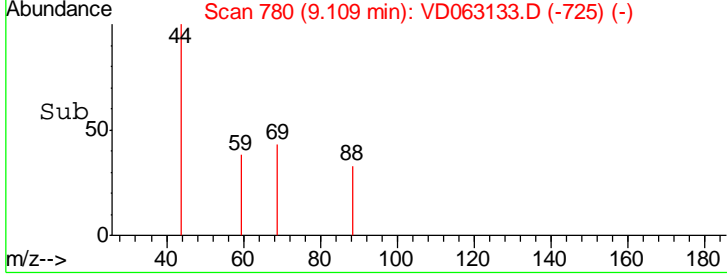
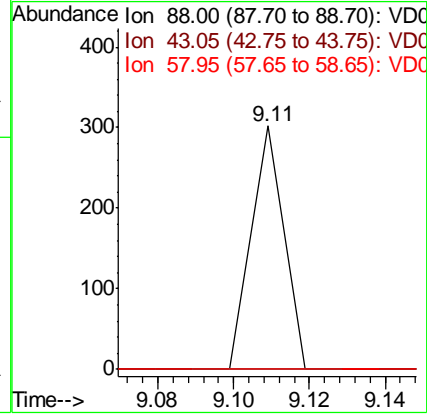
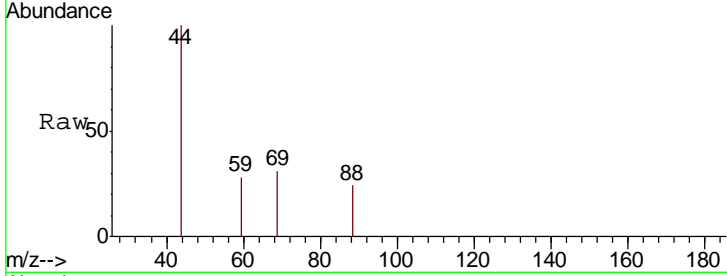




#49
 1,4-Dioxane
 Concen: 4.041 ug/l
 RT: 9.11 min Scan# 780
 Delta R.T. 0.04 min
 Lab File: VD063133.D
 Acq: 17 Jul 2019 16:02

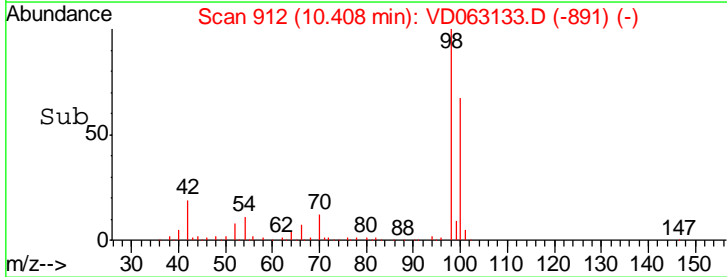
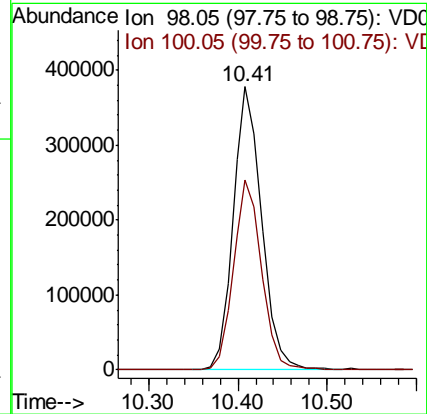
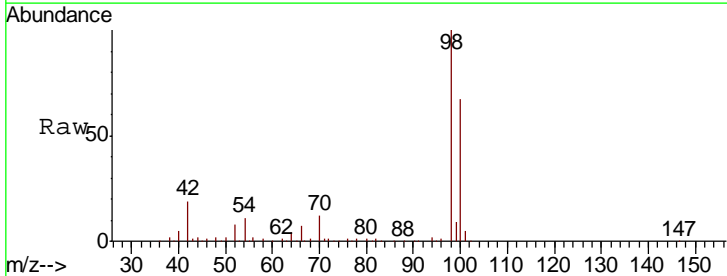
Instrument :
 MSVOA_D
 ClientSampled :

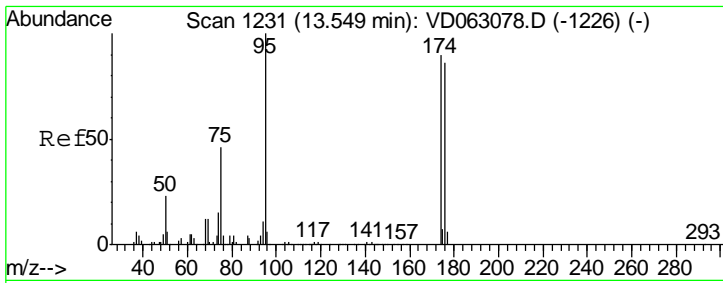
Tgt Ion	Resp	Lower	Upper
88	178		
43	424.2	40.2	60.4#
58	0.0	41.6	62.4#



#50
 Toluene-d8
 Concen: 34.984 ug/l
 RT: 10.41 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: VD063133.D
 Acq: 17 Jul 2019 16:02

Tgt Ion	Resp	Lower	Upper
98	843705		
100	67.2	53.5	80.3

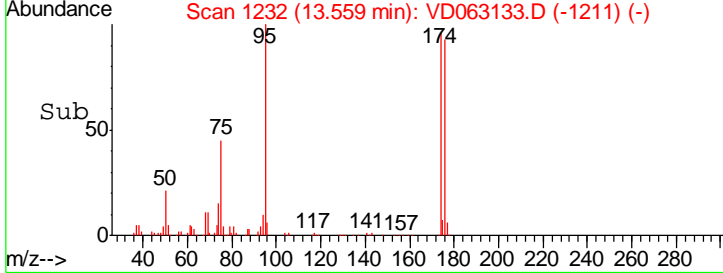
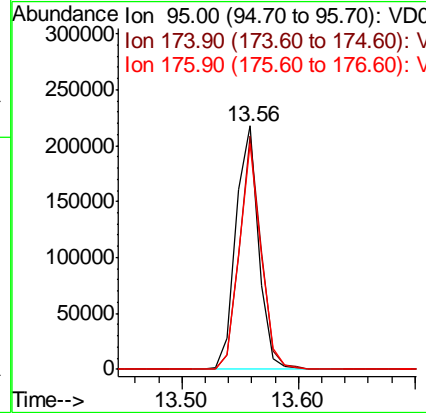
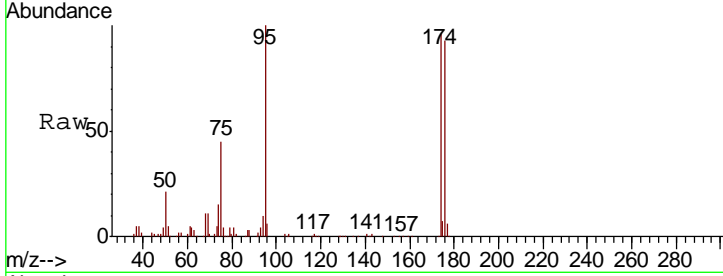




#62
 4-Bromofluorobenzene
 Concen: 26.289 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD063133.D
 Acq: 17 Jul 2019 16:02

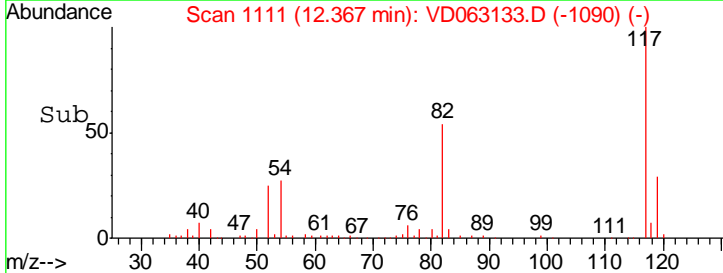
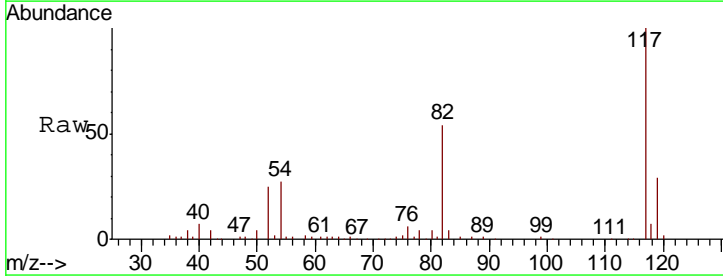
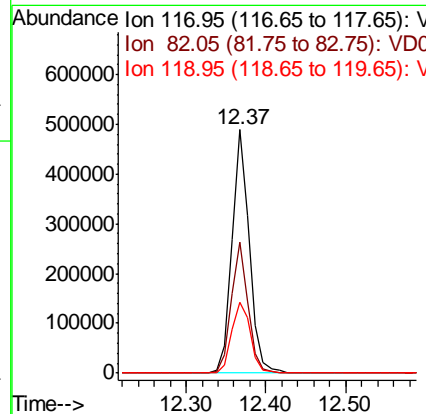
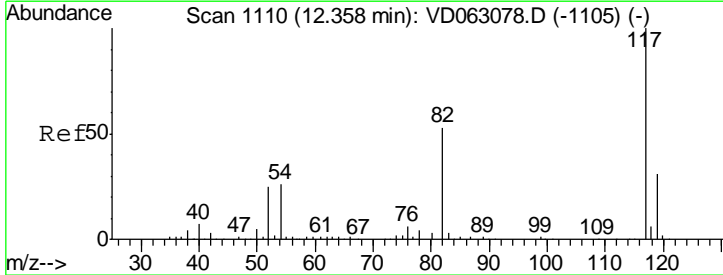
Instrument :
 MSVOA_D
 ClientSampled :

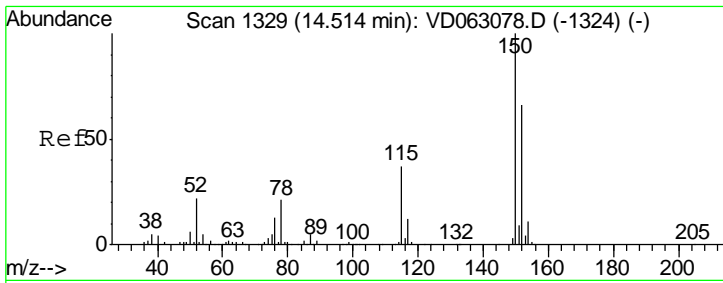
Tgt Ion	Resp	Lower	Upper
95	100		
174	95.8	0.0	180.6
176	92.9	0.0	172.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.37 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VD063133.D
 Acq: 17 Jul 2019 16:02

Tgt Ion	Resp	Lower	Upper
117	100		
82	53.6	42.3	63.5
119	29.2	25.2	37.8

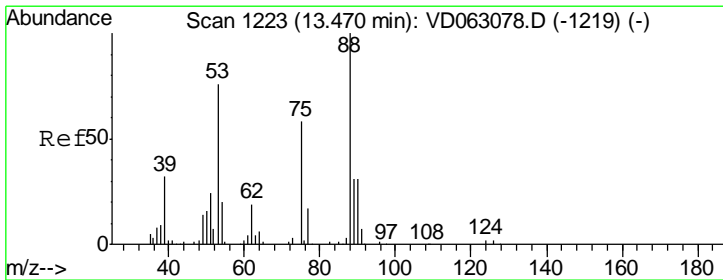
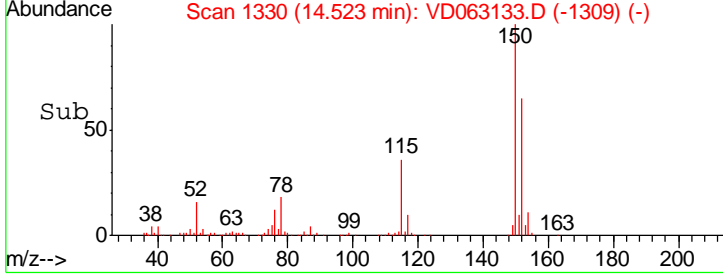
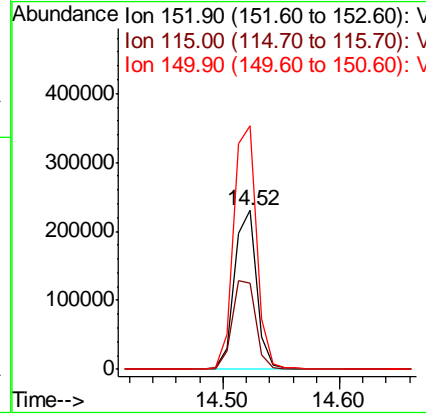
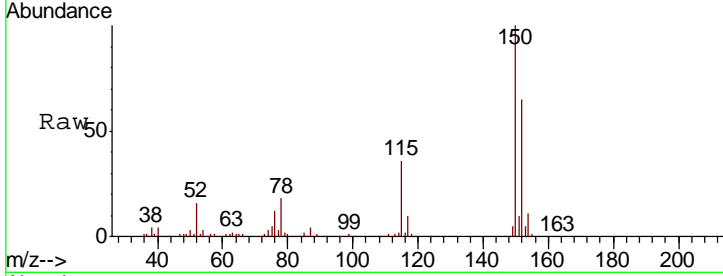




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. 0.01 min
 Lab File: VD063133.D
 Acq: 17 Jul 2019 16:02

Instrument : MSVOA_D
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
152	100		
115	54.6	28.9	86.8
150	153.3	0.0	313.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.653 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.09 min
 Lab File: VD063133.D
 Acq: 17 Jul 2019 16:02

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.0	104.4	156.6#
89	0.0	43.1	64.7#

