

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\  
 Data File : VD063206.D  
 Acq On : 29 Jul 2019 18:29  
 Operator : VA/AP  
 Sample : K4044-15  
 Misc : 4.32g/5ml/MSVOA D/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-4

Quant Time: Jul 30 03:17:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:04:50 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	743815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1023898	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	842905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	401182	50.00	ug/l	0.00

## System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	524465	63.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	127.10%	
35) Dibromofluoromethane	6.92	113	610211	69.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	139.60%	
50) Toluene-d8	10.40	98	1217079	62.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	124.42%	
62) 4-Bromofluorobenzene	13.55	95	528650	59.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	118.60%	

## Target Compounds

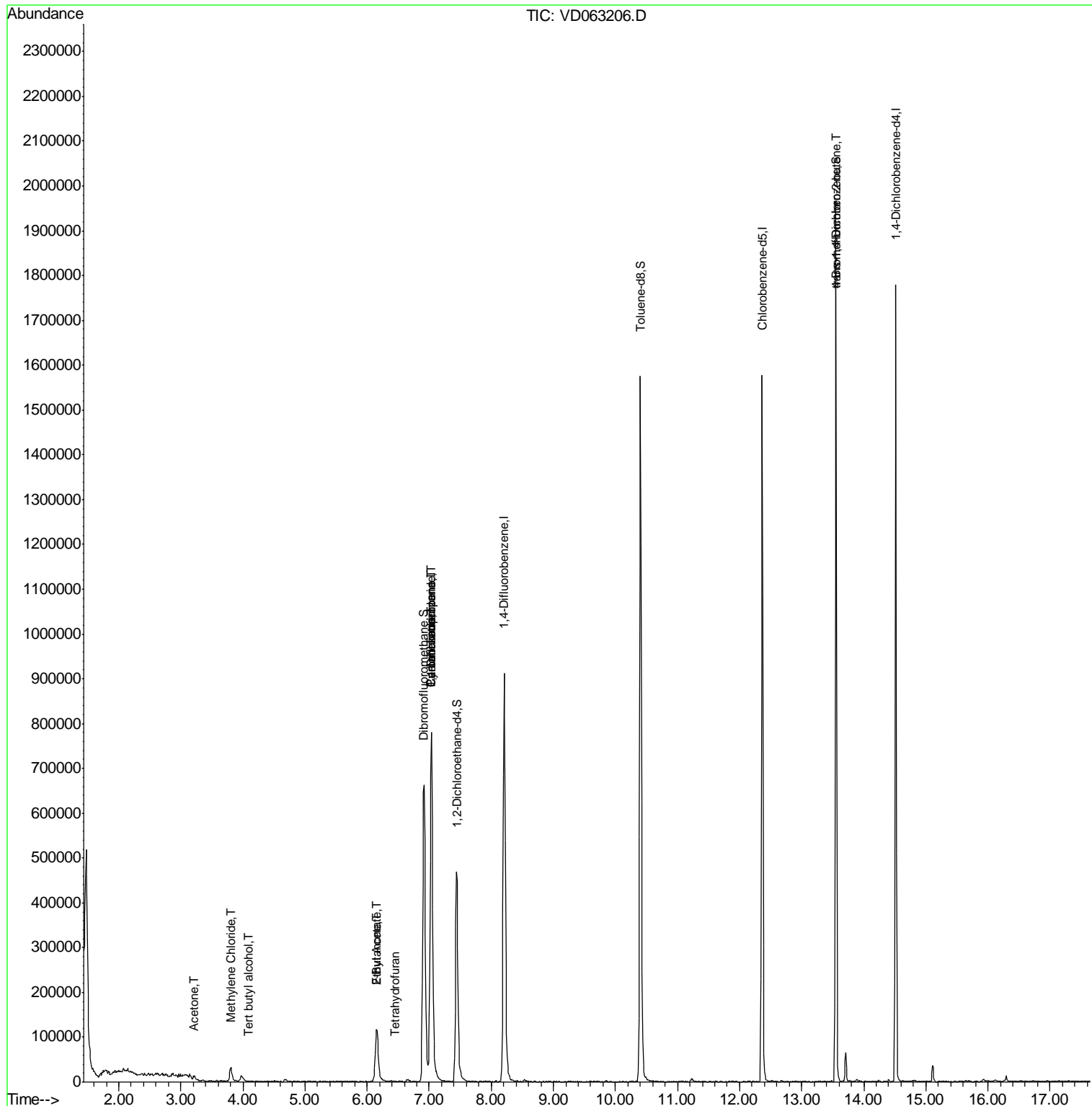
						Qvalue
11) Tert butyl alcohol	4.09	59	1449	4.001	ug/l #	69
16) Acetone	3.22	43	17355	10.792	ug/l	99
20) Methylene Chloride	3.81	84	17730	2.728	ug/l #	80
25) 2-Butanone	6.15	43	8529	5.285	ug/l	92
29) Tetrahydrofuran	6.45	42	1233	1.614	ug/l #	59
31) Cyclohexane	7.03	56	19313	2.627	ug/l #	33
36) 1,1-Dichloropropene	7.04	75	54723	5.856	ug/l #	52
37) Ethyl Acetate	6.15	43	8529	2.032	ug/l #	7
38) Carbon Tetrachloride	7.04	117	72716	5.169	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.55	75	245448	183.436	ug/l #	3

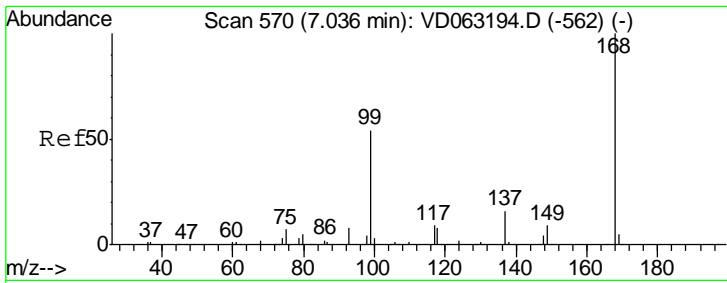
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampled :  
 TP-4

Quant Time: Jul 30 03:17:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:04:50 2019  
 Response via : Initial Calibration

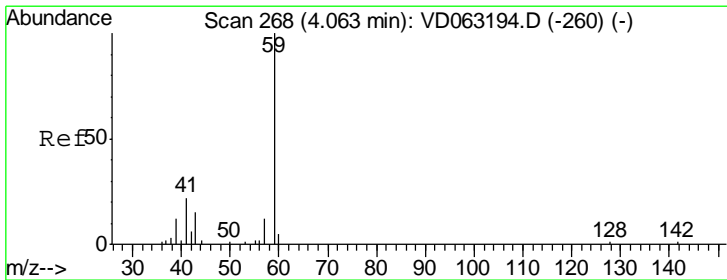
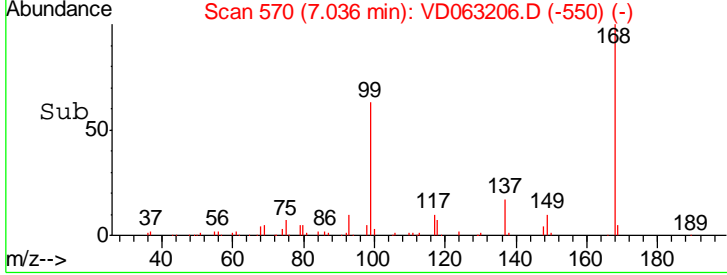
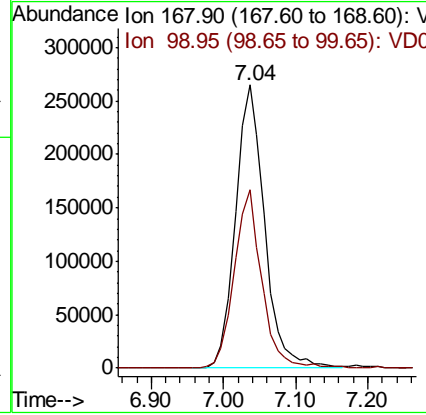
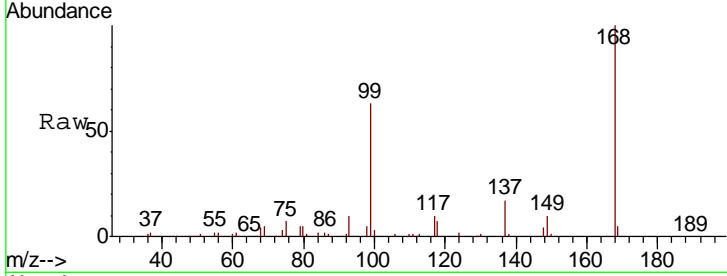




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.04 min Scan# 570  
 Delta R.T. 0.00 min  
 Lab File: VD063206.D  
 Acq: 29 Jul 2019 18:29

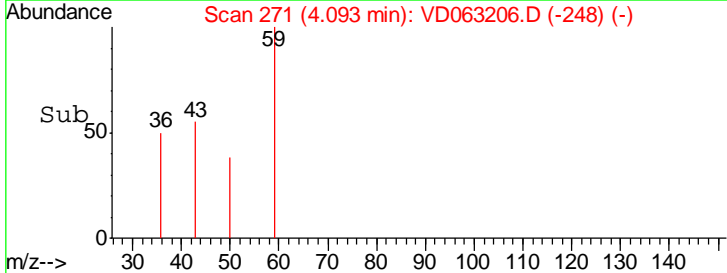
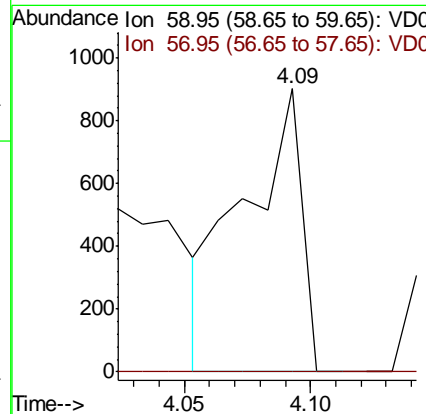
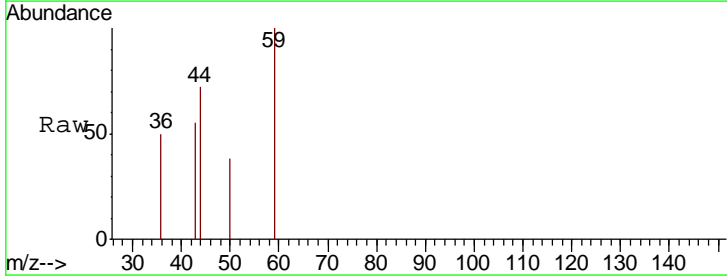
Instrument :  
 MSVOA\_D  
 ClientSampled :  
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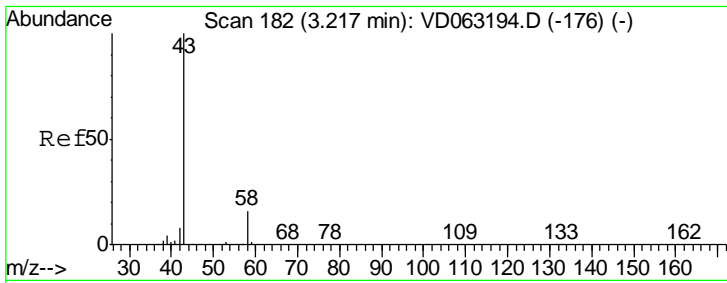
Tgt Ion	Resp	Lower	Upper
168	100		
99	63.1	43.7	65.5



#11  
 Tert butyl alcohol  
 Concen: 4.001 ug/l  
 RT: 4.09 min Scan# 271  
 Delta R.T. 0.03 min  
 Lab File: VD063206.D  
 Acq: 29 Jul 2019 18:29

Tgt Ion	Resp	Lower	Upper
59	100		
57	0.0	9.6	14.4#

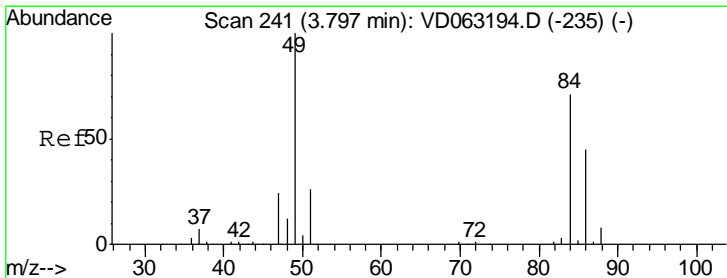
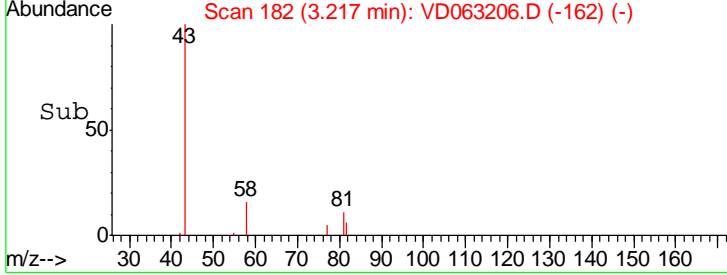
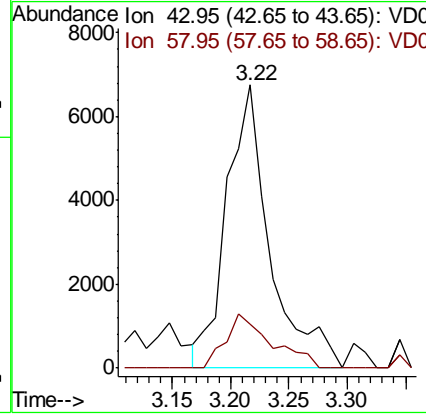
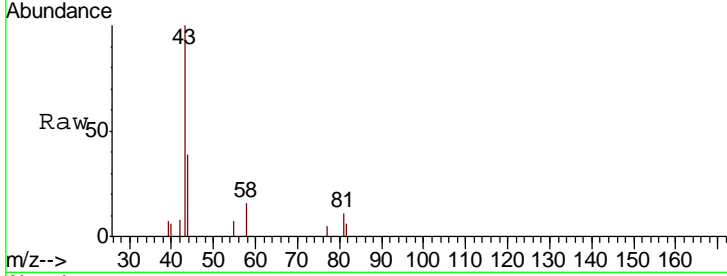




#16  
 Acetone  
 Concen: 10.792 ug/l  
 RT: 3.22 min Scan# 182  
 Delta R.T. 0.00 min  
 Lab File: VD063206.D  
 Acq: 29 Jul 2019 18:29

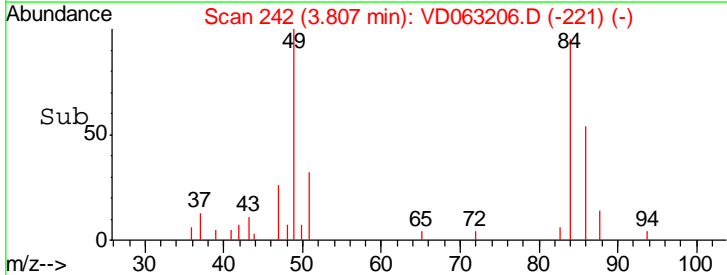
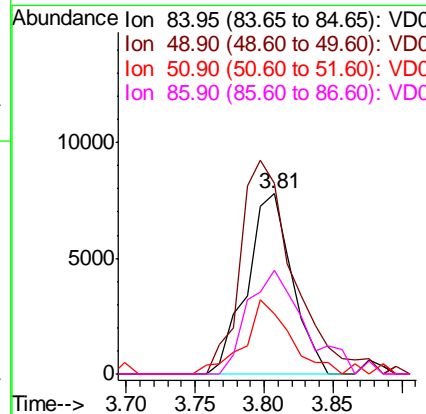
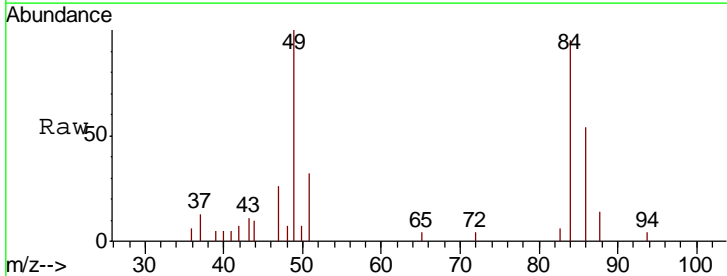
Instrument :  
 MSVOA\_D  
 ClientSampled :  
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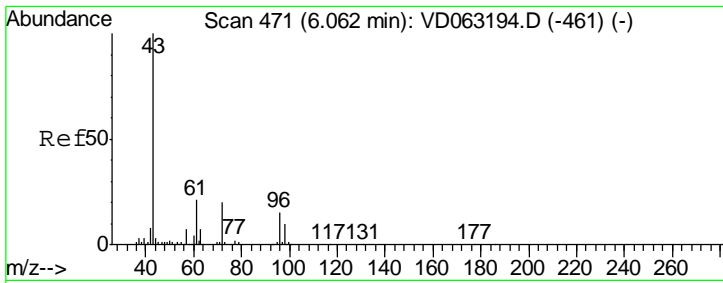
Tgt Ion	Resp	Lower	Upper
43	17355		
58	15.7	13.0	19.4



#20  
 Methylene Chloride  
 Concen: 2.728 ug/l  
 RT: 3.81 min Scan# 242  
 Delta R.T. 0.01 min  
 Lab File: VD063206.D  
 Acq: 29 Jul 2019 18:29

Tgt Ion	Resp	Lower	Upper
84	17730		
49	105.8	112.5	168.7#
51	33.3	29.6	44.4
86	57.4	50.4	75.6

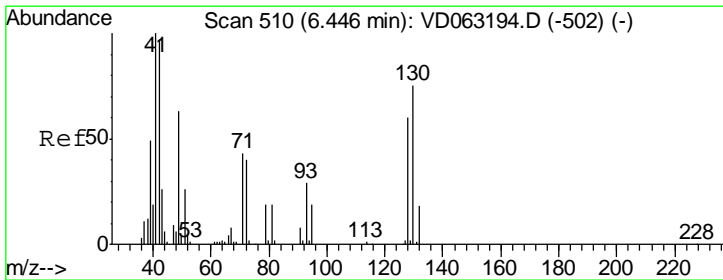
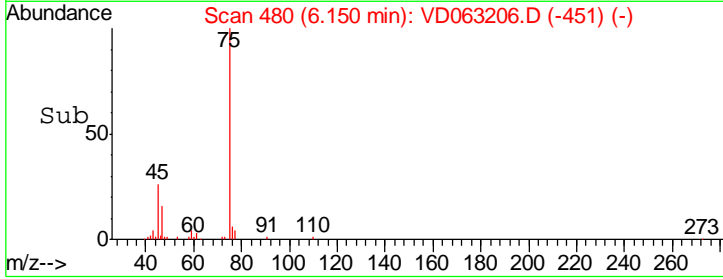
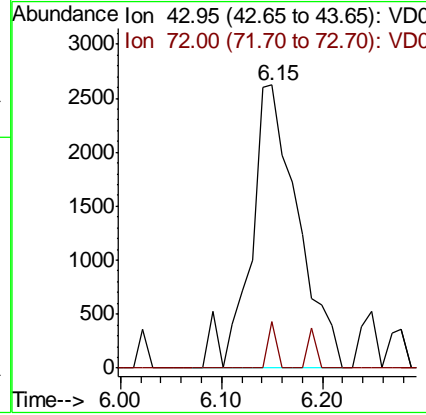
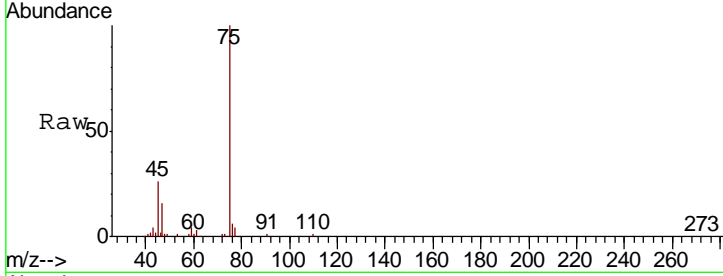




#25  
 2-Butanone  
 Concen: 5.285 ug/l  
 RT: 6.15 min Scan# 480  
 Delta R.T. 0.09 min  
 Lab File: VD063206.D  
 Acq: 29 Jul 2019 18:29

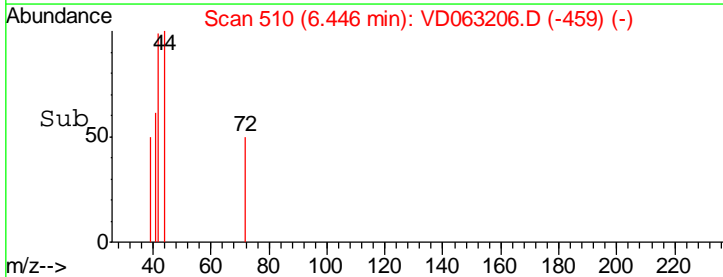
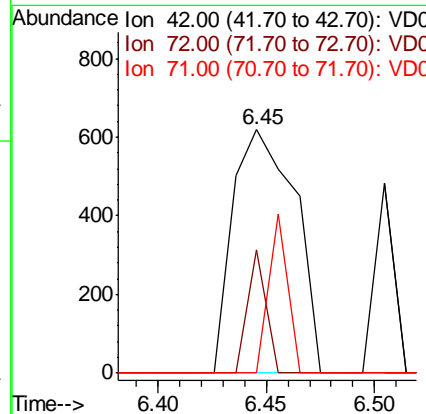
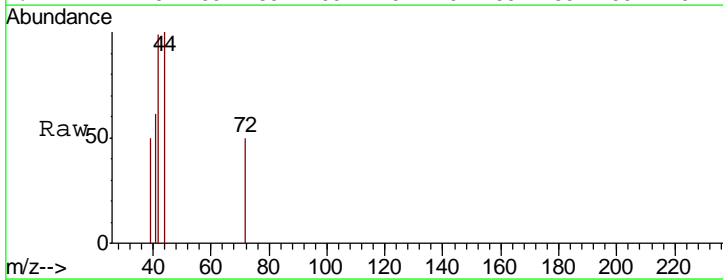
Instrument :  
 MSVOA\_D  
 ClientSampled :  
 TP-4

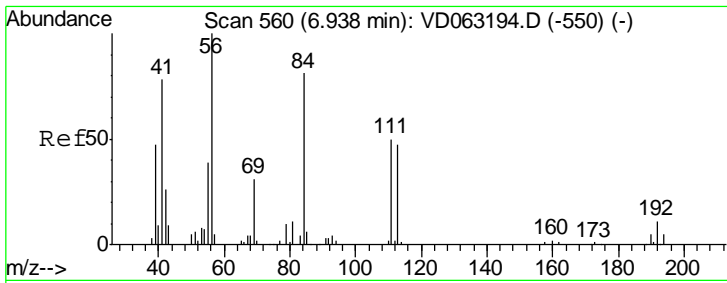
Tgt Ion: 43 Resp: 8529  
 Ion Ratio Lower Upper  
 43 100  
 72 16.5 16.3 24.5



#29  
 Tetrahydrofuran  
 Concen: 1.614 ug/l  
 RT: 6.45 min Scan# 510  
 Delta R.T. 0.00 min  
 Lab File: VD063206.D  
 Acq: 29 Jul 2019 18:29

Tgt Ion: 42 Resp: 1233  
 Ion Ratio Lower Upper  
 42 100  
 72 14.9 33.4 50.2#  
 71 19.4 35.7 53.5#

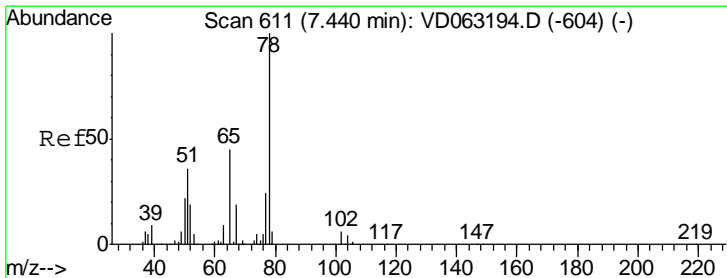
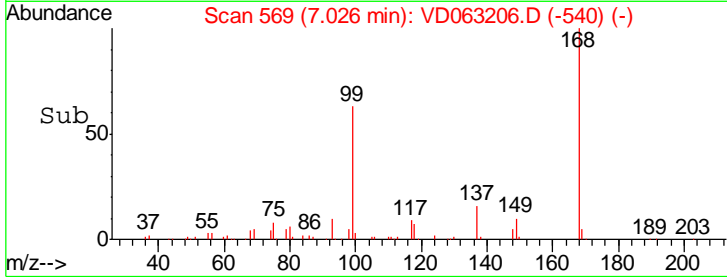
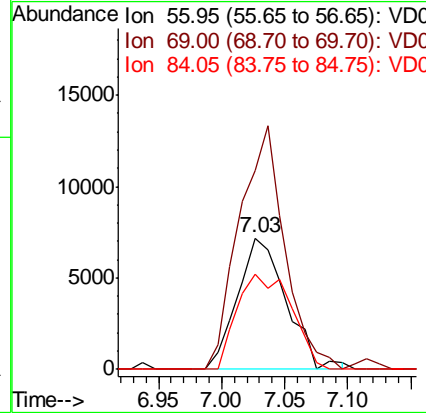
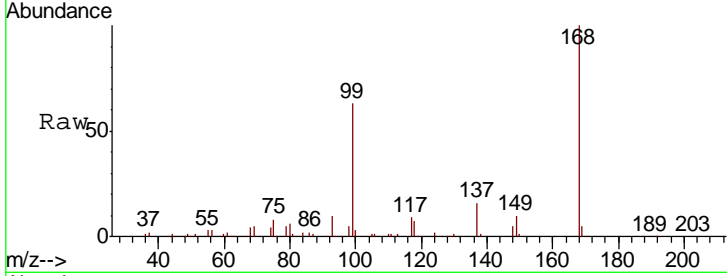




#31  
 Cyclohexane  
 Concen: 2.627 ug/l  
 RT: 7.03 min Scan# 569  
 Delta R.T. 0.09 min  
 Lab File: VD063206.D  
 Acq: 29 Jul 2019 18:29

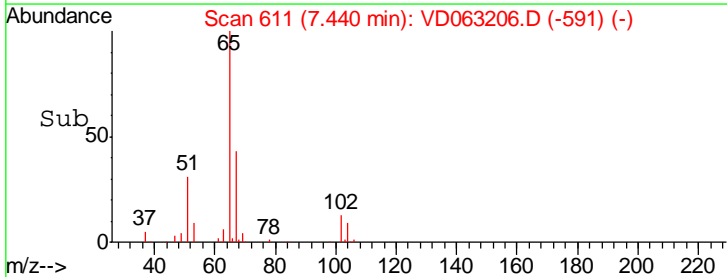
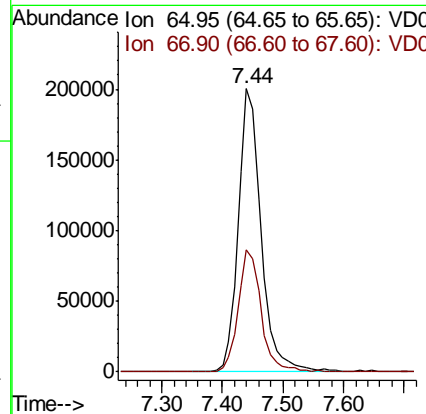
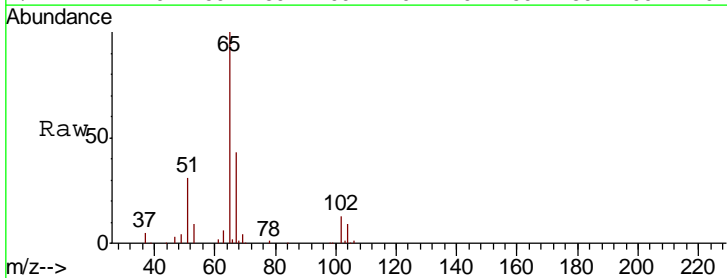
Instrument :  
 MSVOA\_D  
 ClientSampled :  
 TP-4

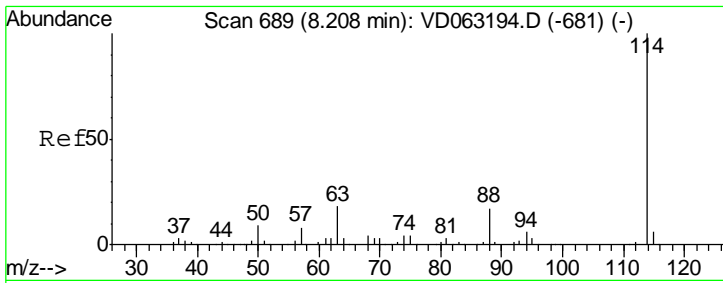
Tgt Ion	Resp	Lower	Upper
56	19313		
69	152.0	24.5	36.7#
84	73.0	64.9	97.3



#33  
 1,2-Dichloroethane-d4  
 Concen: 63.546 ug/l  
 RT: 7.44 min Scan# 611  
 Delta R.T. 0.00 min  
 Lab File: VD063206.D  
 Acq: 29 Jul 2019 18:29

Tgt Ion	Resp	Lower	Upper
65	524465		
67	43.3	0.0	85.8

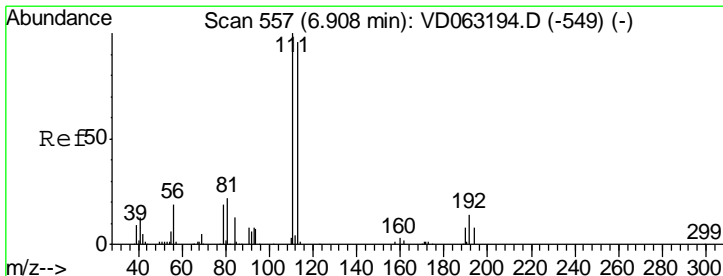
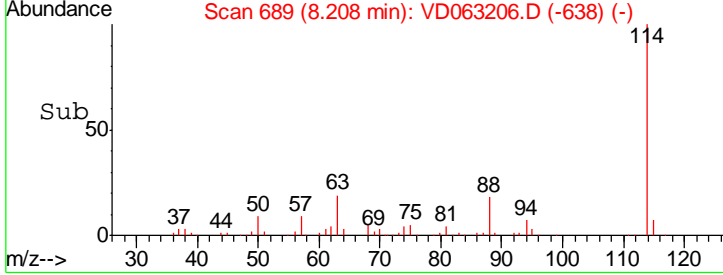
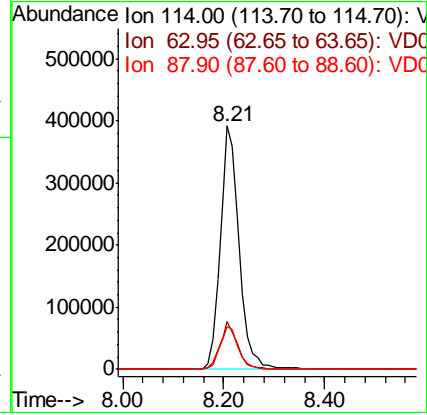
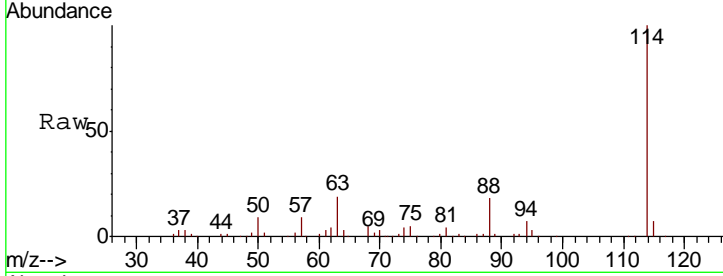




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.21 min Scan# 689  
 Delta R.T. 0.00 min  
 Lab File: VD063206.D  
 Acq: 29 Jul 2019 18:29

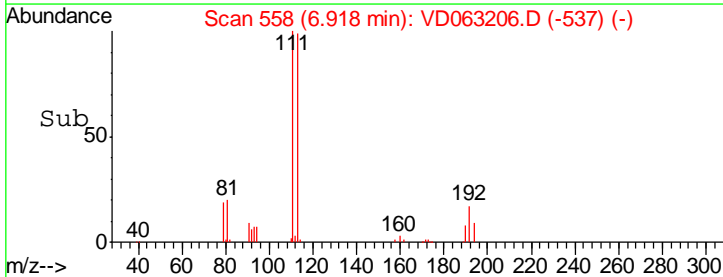
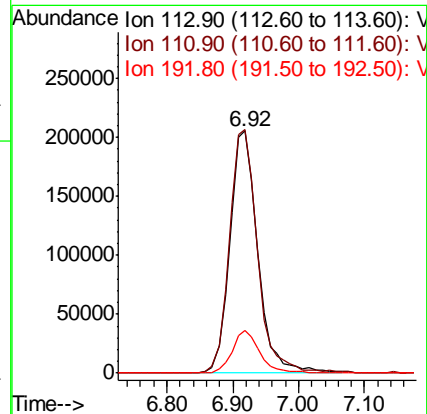
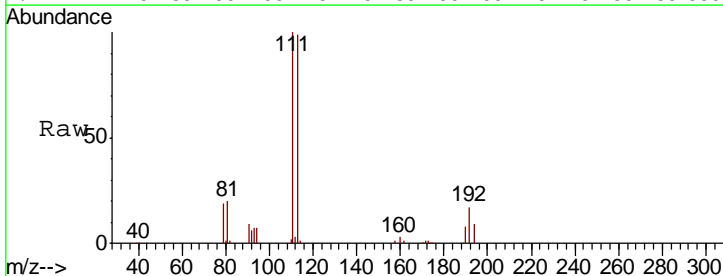
Instrument :  
 MSVOA\_D  
 ClientSampled :  
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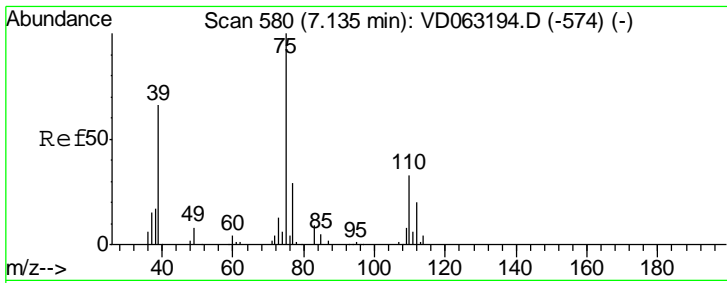
Tgt Ion	Resp	Lower	Upper
114	1023898		
63	19.5	0.0	35.2
88	17.6	0.0	34.6



#35  
 Dibromofluoromethane  
 Concen: 69.803 ug/l  
 RT: 6.92 min Scan# 558  
 Delta R.T. 0.01 min  
 Lab File: VD063206.D  
 Acq: 29 Jul 2019 18:29

Tgt Ion	Resp	Lower	Upper
113	610211		
111	100.6	83.2	124.8
192	17.6	11.8	17.8

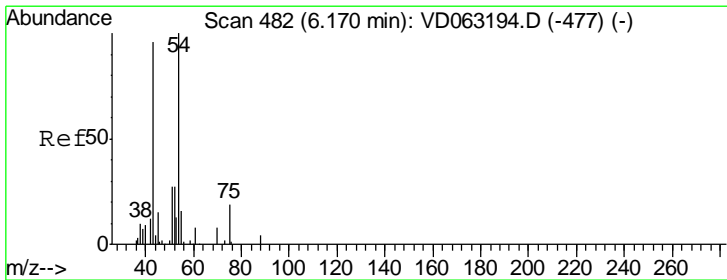
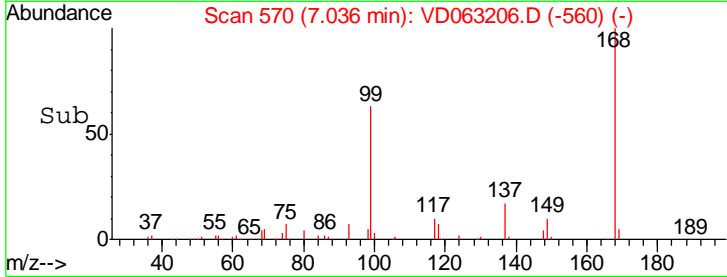
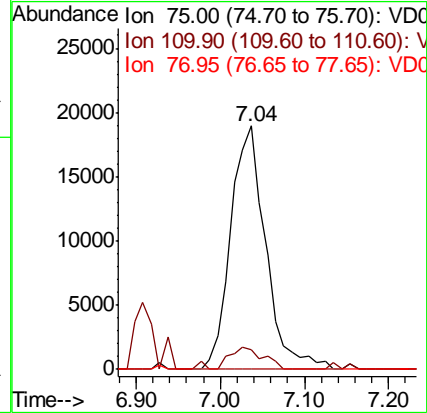
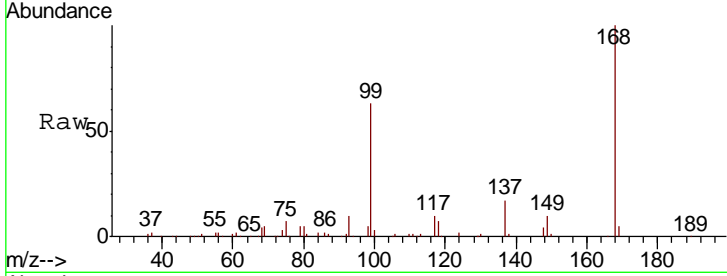




#36  
 1,1-Dichloropropene  
 Concen: 5.856 ug/l  
 RT: 7.04 min Scan# 570  
 Delta R.T. -0.10 min  
 Lab File: VD063206.D  
 Acq: 29 Jul 2019 18:29

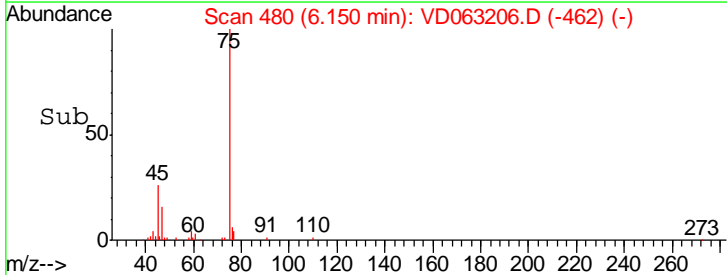
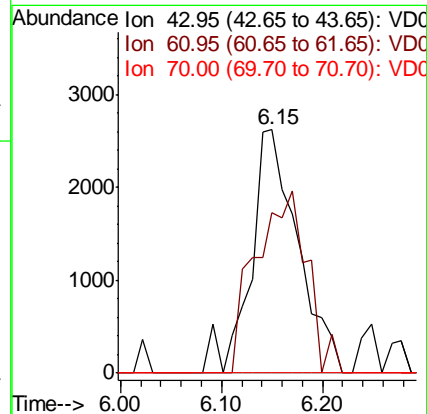
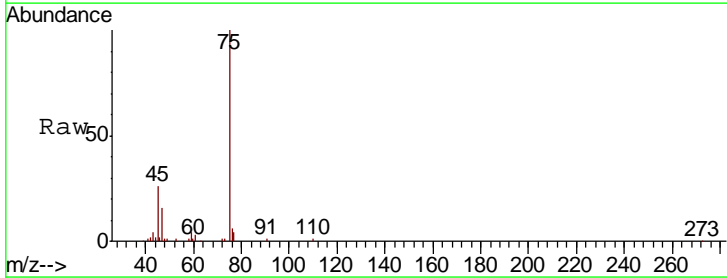
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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Tgt Ion	Resp	Lower	Upper
75	54723		
110	8.2	16.1	48.2#
77	0.0	22.7	34.1#

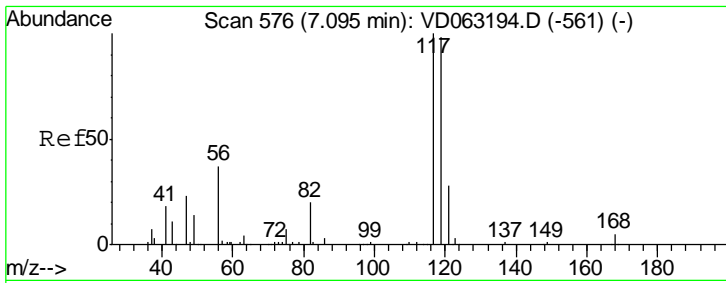


#37  
 Ethyl Acetate  
 Concen: 2.032 ug/l  
 RT: 6.15 min Scan# 480  
 Delta R.T. -0.02 min  
 Lab File: VD063206.D  
 Acq: 29 Jul 2019 18:29

Tgt Ion	Resp	Lower	Upper
43	8529		
61	65.9	11.3	16.9#
70	0.0	5.1	7.7#



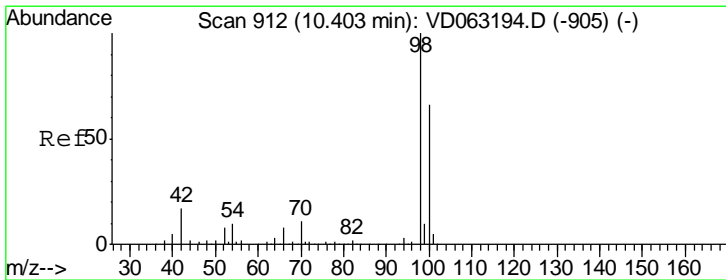
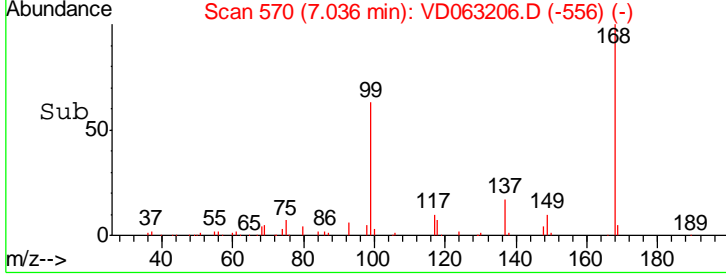
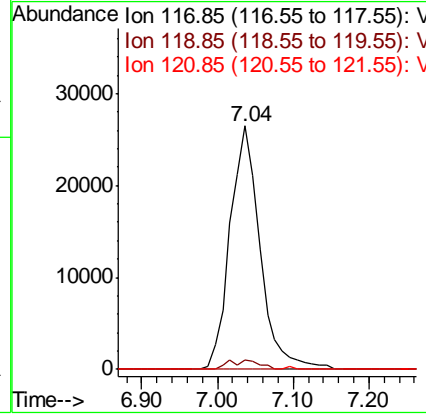
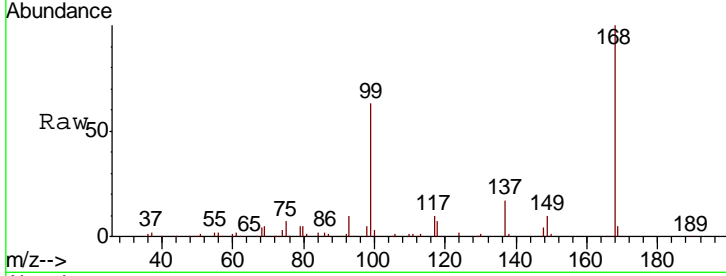




#38  
 Carbon Tetrachloride  
 Concen: 5.169 ug/l  
 RT: 7.04 min Scan# 570  
 Delta R.T. -0.06 min  
 Lab File: VD063206.D  
 Acq: 29 Jul 2019 18:29

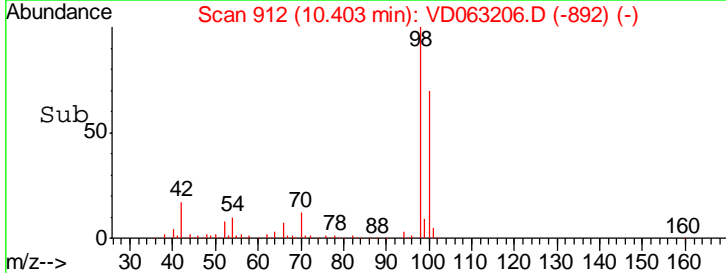
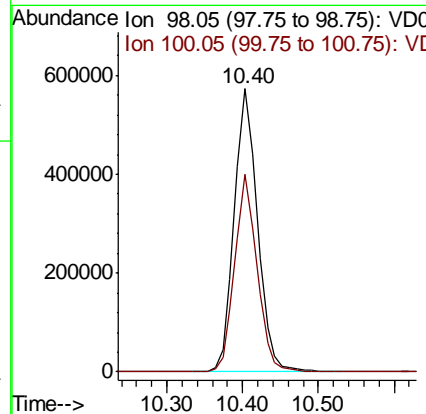
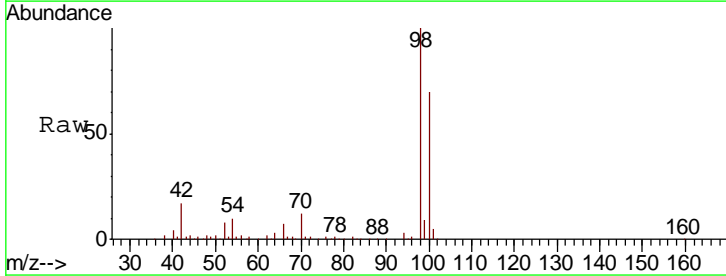
Instrument :  
 MSVOA\_D  
 ClientSampled :  
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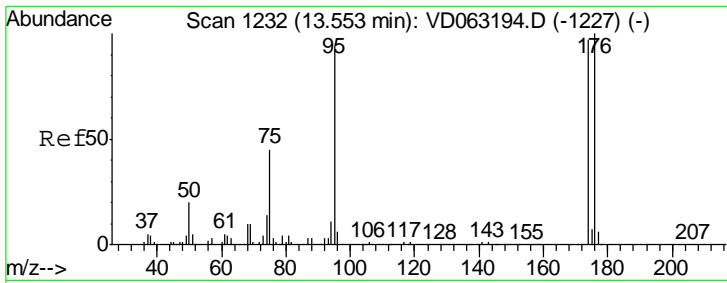
Tgt Ion	Resp	Lower	Upper
117	100		
119	3.7	78.2	117.2#
121	0.0	22.1	33.1#



#50  
 Toluene-d8  
 Concen: 62.209 ug/l  
 RT: 10.40 min Scan# 912  
 Delta R.T. 0.00 min  
 Lab File: VD063206.D  
 Acq: 29 Jul 2019 18:29

Tgt Ion	Resp	Lower	Upper
98	100		
100	69.9	53.2	79.8

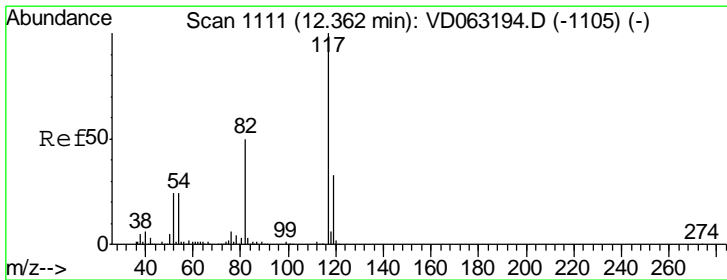
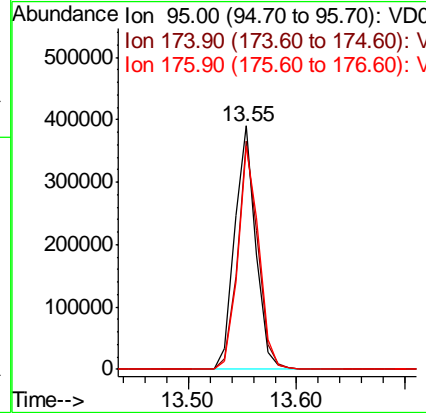
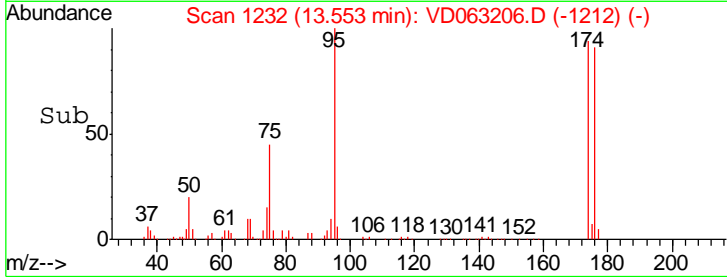
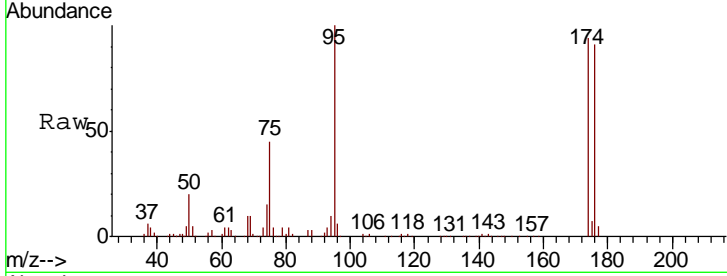




#62  
 4-Bromofluorobenzene  
 Concen: 59.296 ug/l  
 RT: 13.55 min Scan# 1232  
 Delta R.T. 0.00 min  
 Lab File: VD063206.D  
 Acq: 29 Jul 2019 18:29

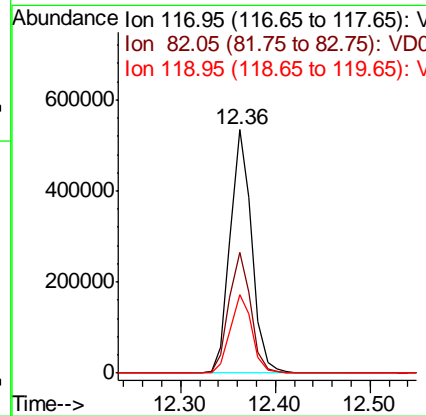
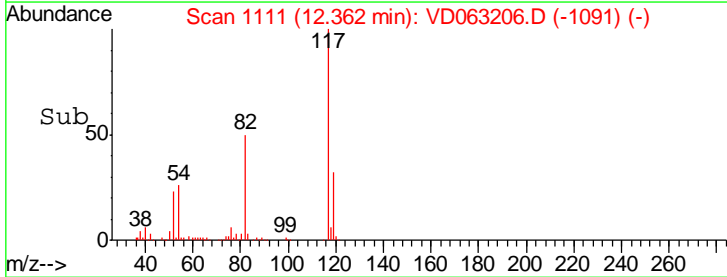
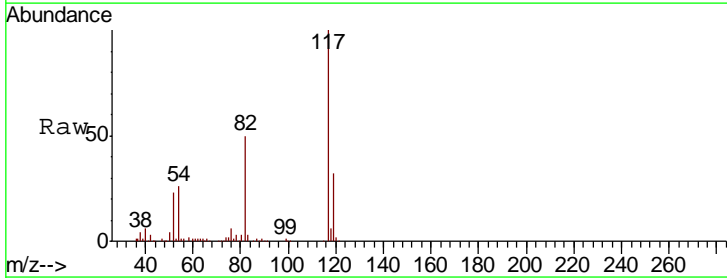
Instrument :  
 MSVOA\_D  
 ClientSampled :  
 TP-4

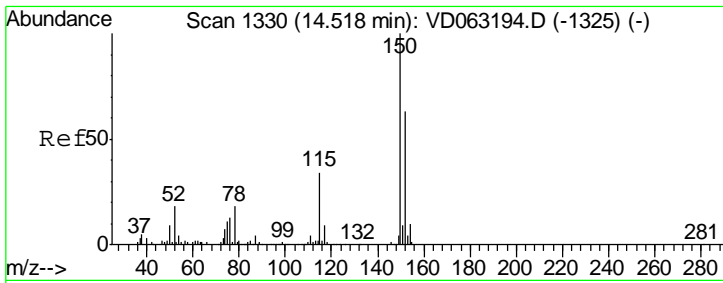
Tgt Ion	Resp	Lower	Upper
95	528650		
174	93.8	0.0	205.4
176	91.4	0.0	211.8



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 12.36 min Scan# 1111  
 Delta R.T. 0.00 min  
 Lab File: VD063206.D  
 Acq: 29 Jul 2019 18:29

Tgt Ion	Resp	Lower	Upper
117	842905		
82	49.8	40.1	60.1
119	32.3	26.5	39.7

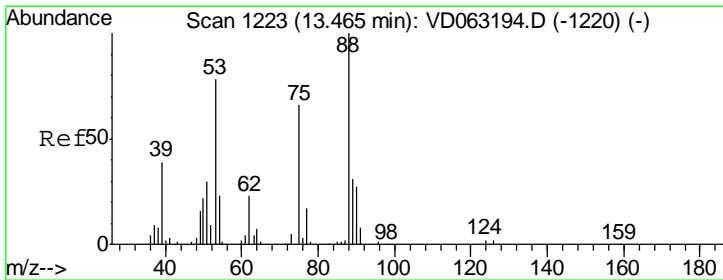
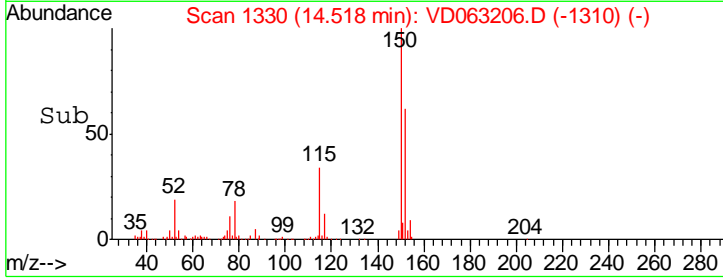
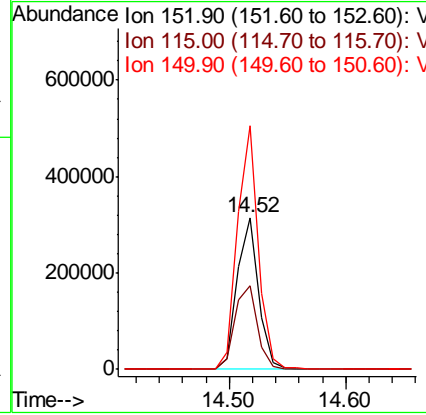
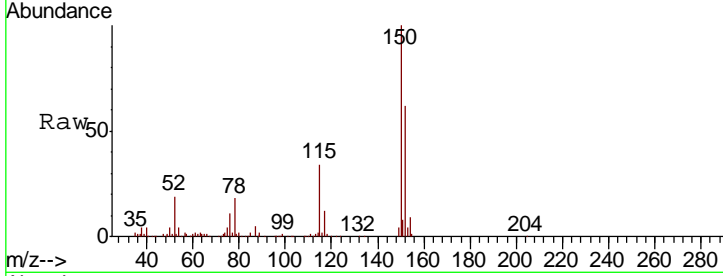




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 14.52 min Scan# 1330  
 Delta R.T. 0.00 min  
 Lab File: VD063206.D  
 Acq: 29 Jul 2019 18:29

Instrument :  
 MSVOA\_D  
 ClientSampled :  
 TP-4

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.0	27.5	82.4
150	160.2	0.0	320.6



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 183.436 ug/l  
 RT: 13.55 min Scan# 1232  
 Delta R.T. 0.09 min  
 Lab File: VD063206.D  
 Acq: 29 Jul 2019 18:29

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.0	94.9	142.3#
89	0.0	37.4	56.0#

