

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\  
 Data File : VD063249.D  
 Acq On : 30 Jul 2019 18:38  
 Operator : VA/AP  
 Sample : K4049-05RE  
 Misc : 3.59g/5ml/MSVOA D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SP-5RE

Quant Time: Jul 31 04:57:16 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	7.05	168	835904	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	1192337	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	814077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	300690	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	389729	42.02	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	84.04%	
35) Dibromofluoromethane	6.92	113	165166	16.22	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	32.44%	
50) Toluene-d8	10.40	98	719517	31.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	63.16%	
62) 4-Bromofluorobenzene	13.55	95	270064	26.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	52.02%	

Target Compounds

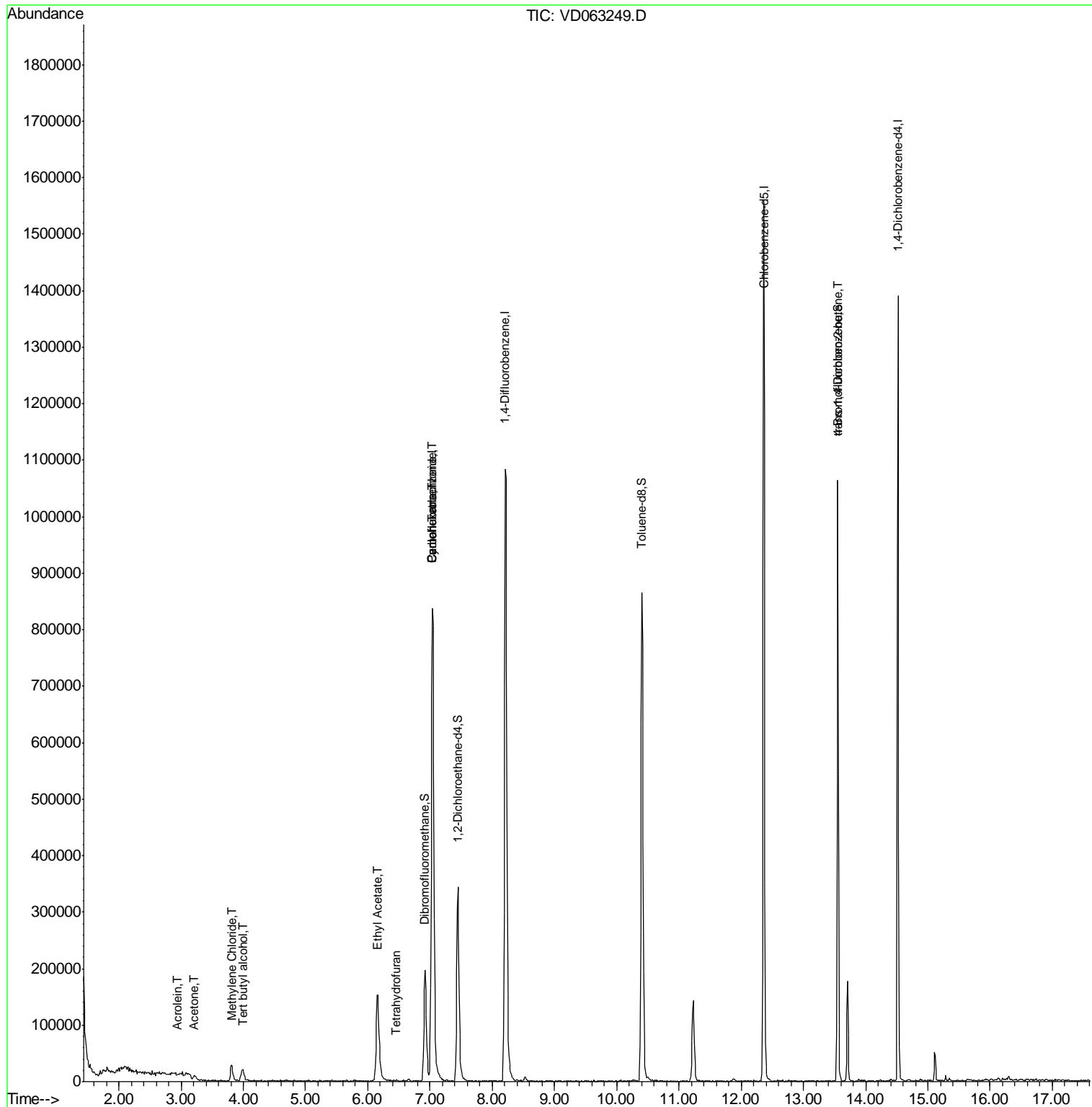
						Qvalue
11) Tert butyl alcohol	3.98	59	18749	46.062	ug/l #	69
13) Acrolein	2.93	56	575	1.468	ug/l	87
16) Acetone	3.21	43	16240	8.986	ug/l #	78
20) Methylene Chloride	3.81	84	15235	2.086	ug/l #	79
29) Tetrahydrofuran	6.46	42	1082	1.260	ug/l #	46
31) Cyclohexane	7.04	56	18651	2.257	ug/l #	20
37) Ethyl Acetate	6.15	43	12967	2.652	ug/l #	9
38) Carbon Tetrachloride	7.04	117	81788	4.993	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.55	75	131776	131.396	ug/l #	3

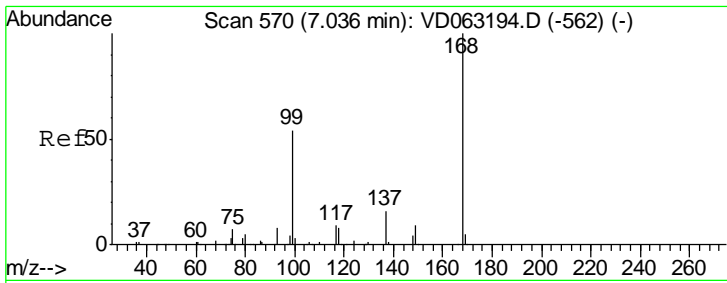
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Sample : K4049-05RE  
 Misc : 3.59µ/5ml/MSVOA D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 Client Sampled :  
 SP-5RE

Quant Time: Jul 31 04:57:16 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

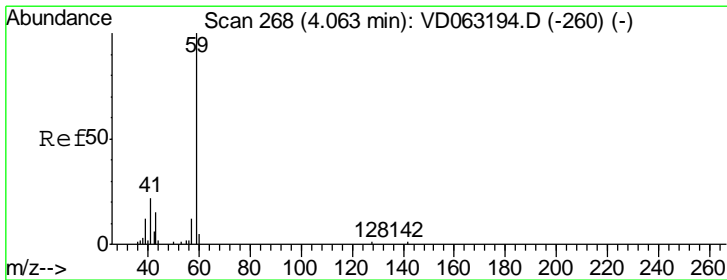
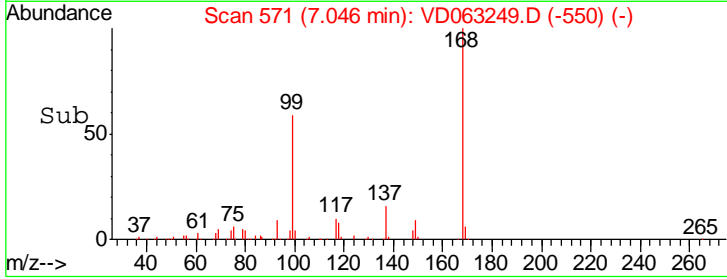
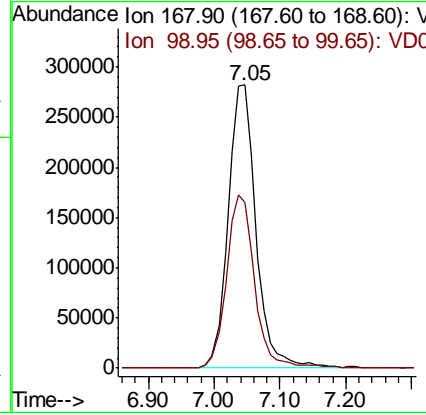
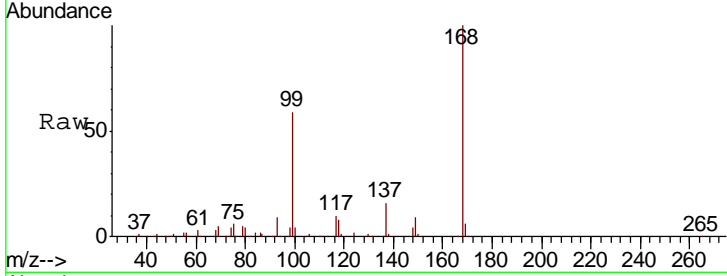




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.05 min Scan# 571  
 Delta R.T. 0.01 min  
 Lab File: VD063249.D  
 Acq: 30 Jul 2019 18:38

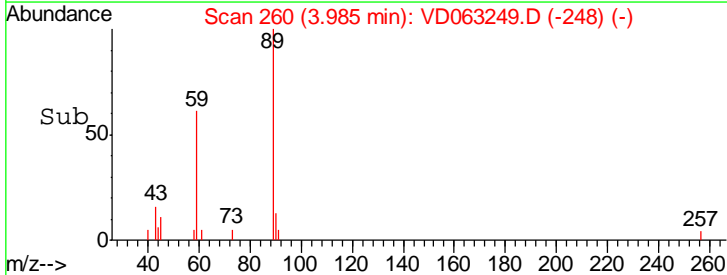
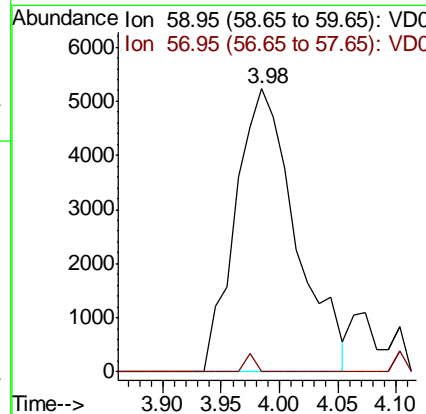
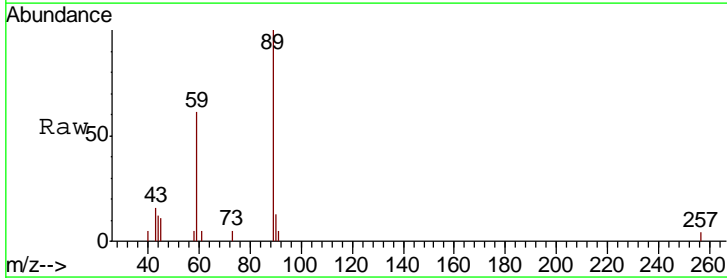
Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 SP-5RE

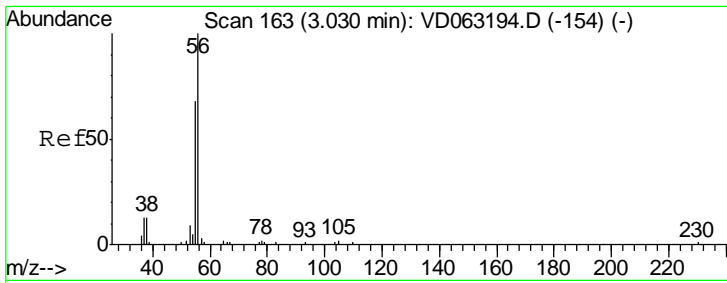
Tgt Ion	Resp	Lower	Upper
168	100		
99	58.7	43.7	65.5



#11  
 Tert butyl alcohol  
 Concen: 46.062 ug/l  
 RT: 3.98 min Scan# 260  
 Delta R.T. -0.08 min  
 Lab File: VD063249.D  
 Acq: 30 Jul 2019 18:38

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

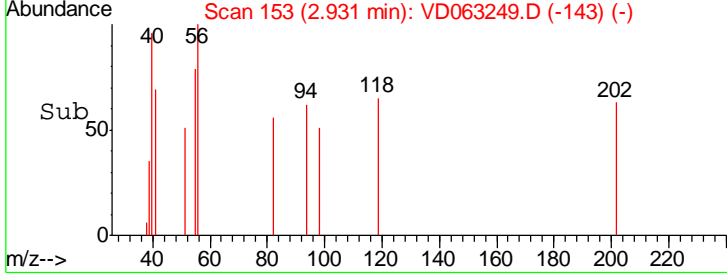
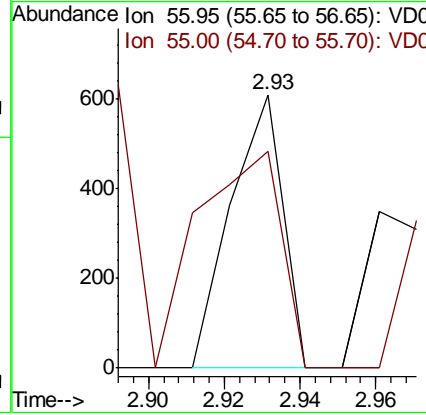
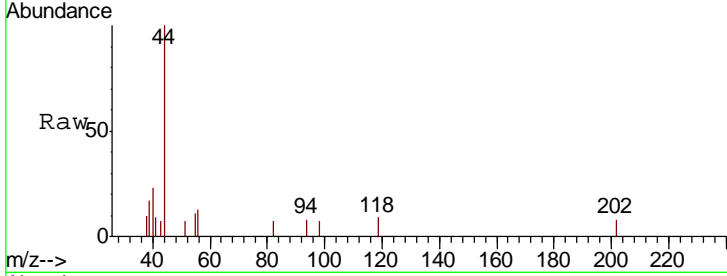




#13  
 Acrolein  
 Concen: 1.468 ug/l  
 RT: 2.93 min Scan# 153  
 Delta R.T. -0.10 min  
 Lab File: VD063249.D  
 Acq: 30 Jul 2019 18:38

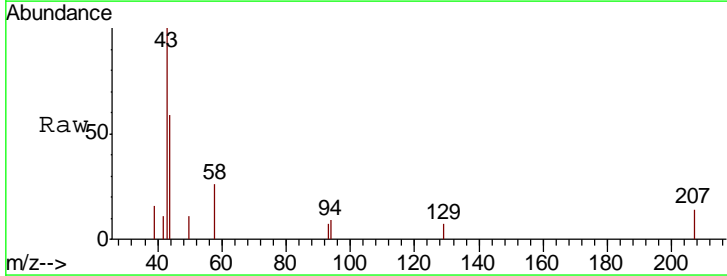
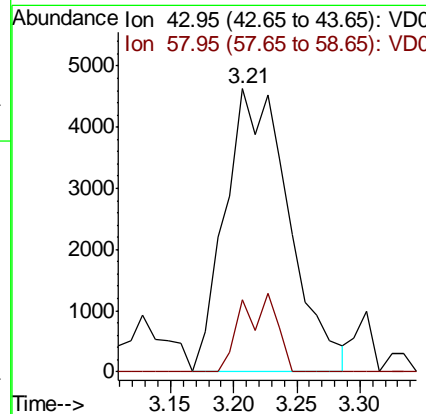
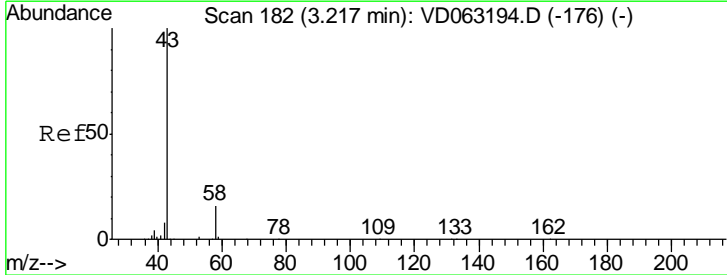
Instrument :  
 MSVOA\_D  
 ClientSampled :  
 SP-5RE

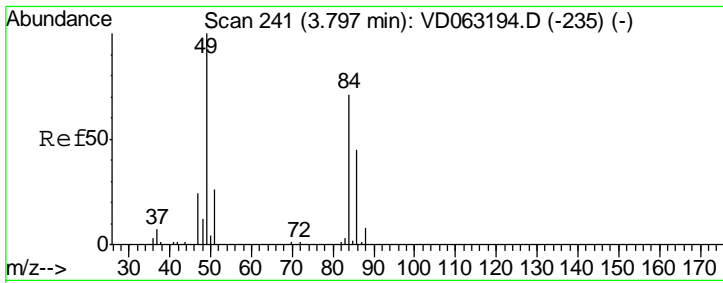
Tgt Ion	Resp	Lower	Upper
56	100		
55	79.3	55.3	82.9



#16  
 Acetone  
 Concen: 8.986 ug/l  
 RT: 3.21 min Scan# 181  
 Delta R.T. -0.01 min  
 Lab File: VD063249.D  
 Acq: 30 Jul 2019 18:38

Tgt Ion	Resp	Lower	Upper
43	100		
58	25.7	13.0	19.4#

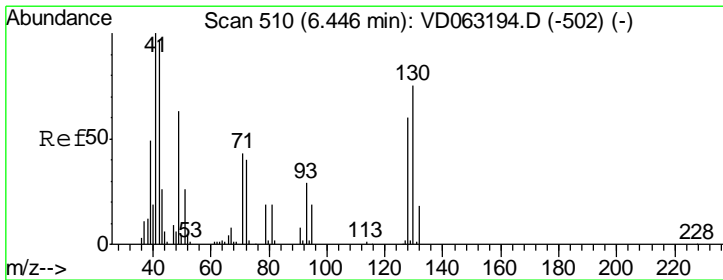
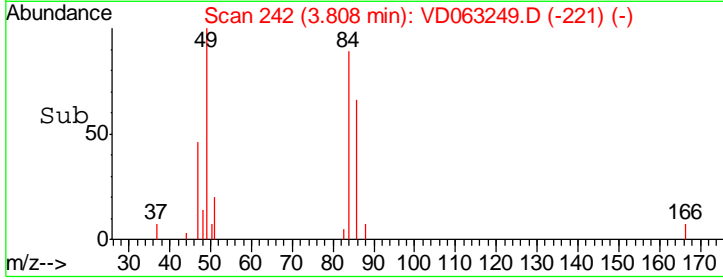
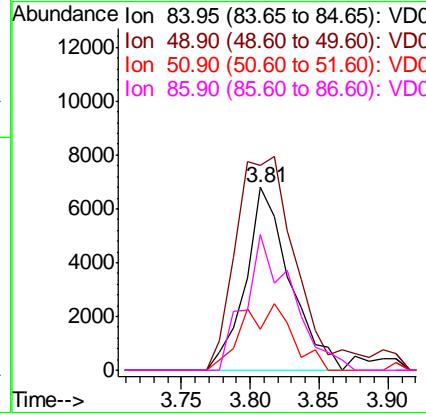
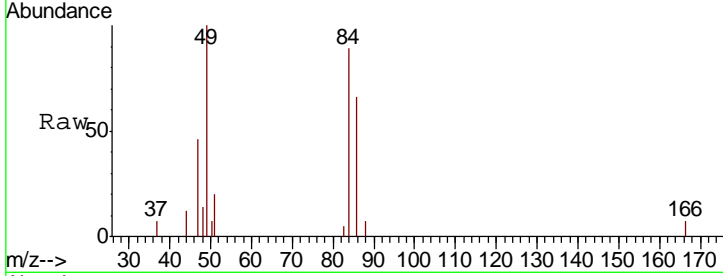




#20  
 Methylene Chloride  
 Concen: 2.086 ug/l  
 RT: 3.81 min Scan# 242  
 Delta R.T. 0.01 min  
 Lab File: VD063249.D  
 Acq: 30 Jul 2019 18:38

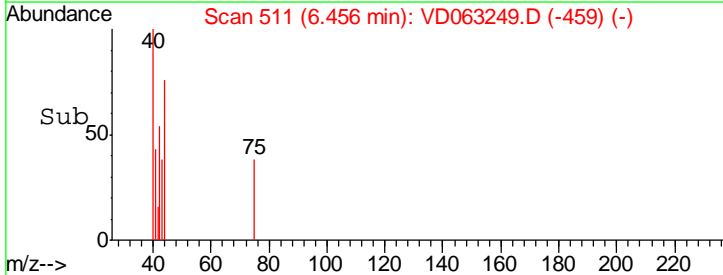
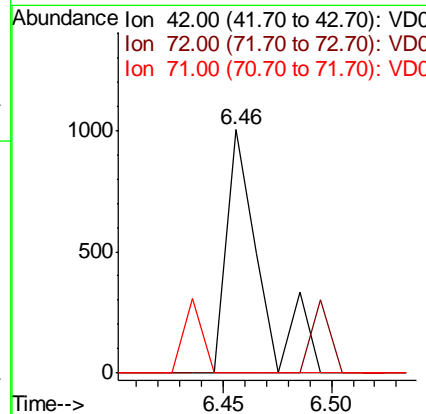
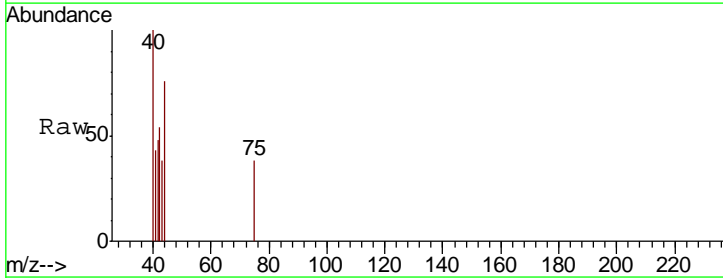
Instrument :  
 MSVOA\_D  
 ClientSampled :  
 SP-5RE

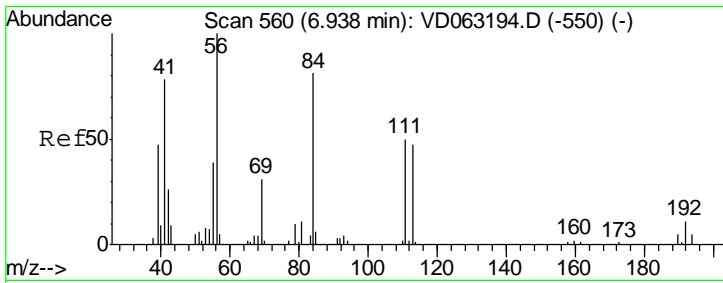
Tgt Ion	Resp	Lower	Upper
84	15235		
49	112.0	112.5	168.7#
51	22.4	29.6	44.4#
86	74.5	50.4	75.6



#29  
 Tetrahydrofuran  
 Concen: 1.260 ug/l  
 RT: 6.46 min Scan# 511  
 Delta R.T. 0.01 min  
 Lab File: VD063249.D  
 Acq: 30 Jul 2019 18:38

Tgt Ion	Resp	Lower	Upper
42	1082		
72	0.0	33.4	50.2#
71	16.7	35.7	53.5#

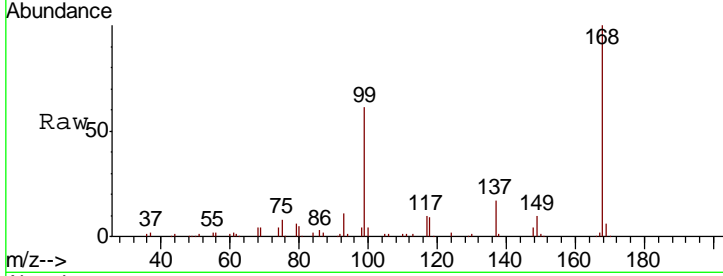




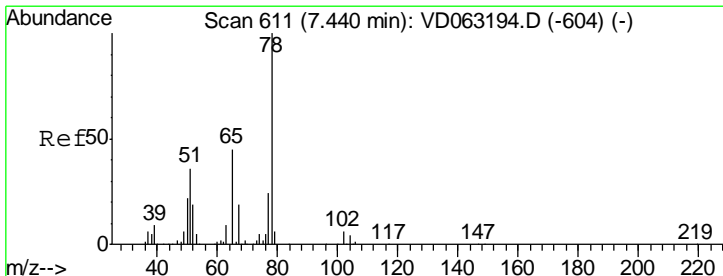
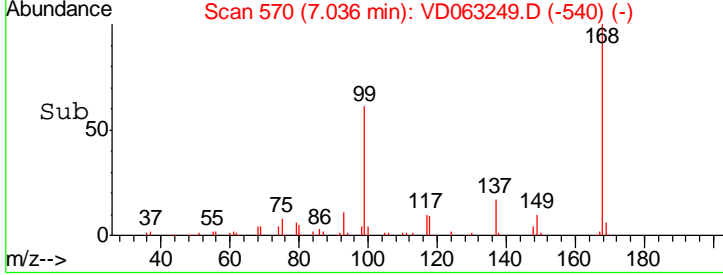
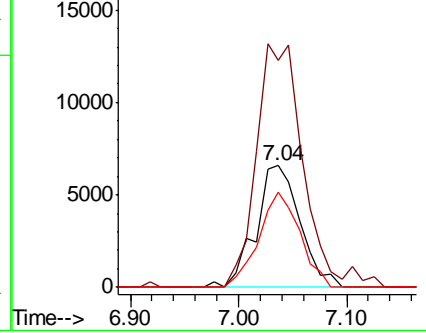
#31  
 Cyclohexane  
 Concen: 2.257 ug/l  
 RT: 7.04 min Scan# 570  
 Delta R.T. 0.10 min  
 Lab File: VD063249.D  
 Acq: 30 Jul 2019 18:38

Instrument :  
 MSVOA\_D  
 ClientSampled :  
 SP-5RE

Tgt Ion	Resp	Lower	Upper
56	18651		
56	100		
69	186.4	24.5	36.7#
84	78.7	64.9	97.3

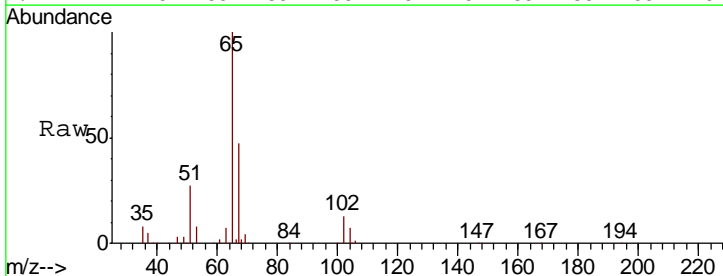


Abundance Ion 55.95 (55.65 to 56.65): VDC  
 Ion 69.00 (68.70 to 69.70): VDC  
 Ion 84.05 (83.75 to 84.75): VDC

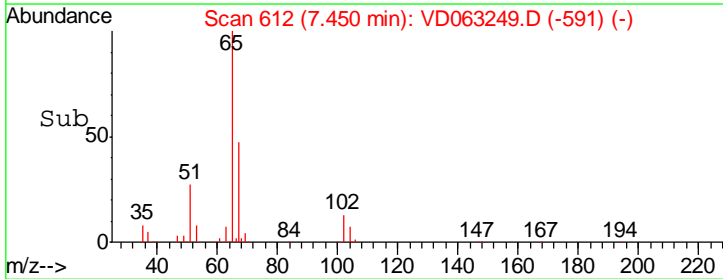
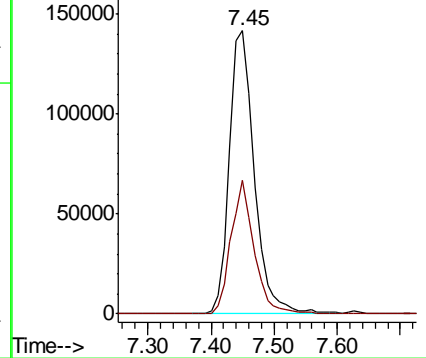


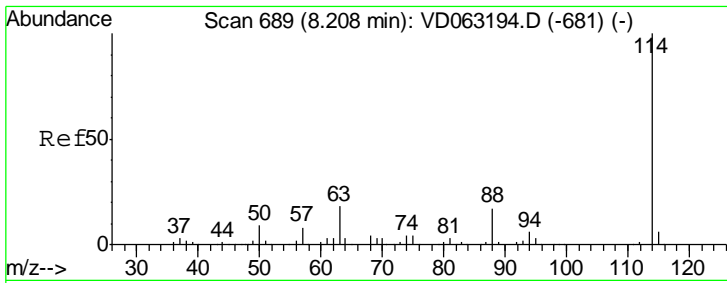
#33  
 1,2-Dichloroethane-d4  
 Concen: 42.019 ug/l  
 RT: 7.45 min Scan# 612  
 Delta R.T. 0.01 min  
 Lab File: VD063249.D  
 Acq: 30 Jul 2019 18:38

Tgt Ion	Resp	Lower	Upper
65	389729		
65	100		
67	47.1	0.0	85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC  
 Ion 66.90 (66.60 to 67.60): VDC

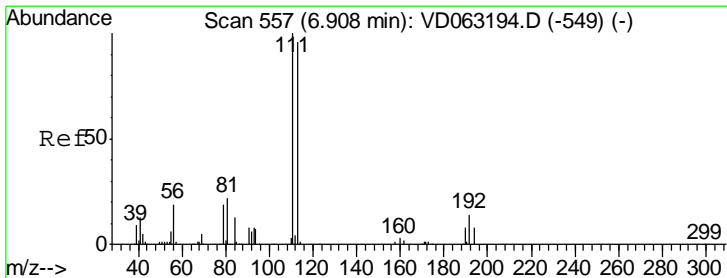
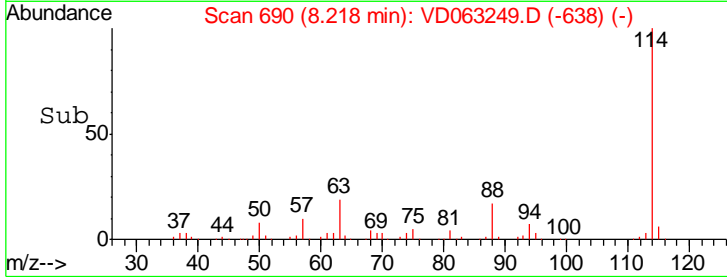
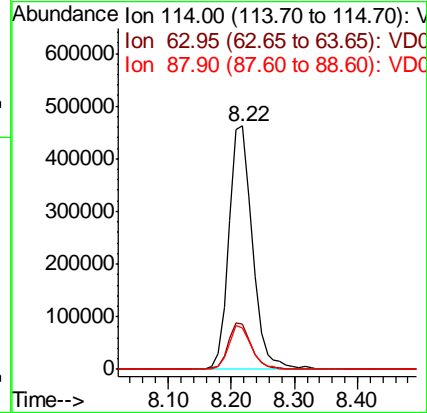
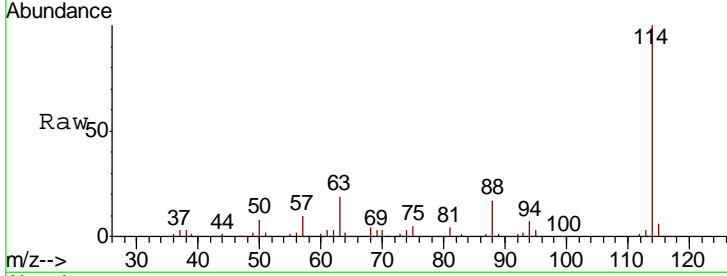




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.22 min Scan# 690  
 Delta R.T. 0.01 min  
 Lab File: VD063249.D  
 Acq: 30 Jul 2019 18:38

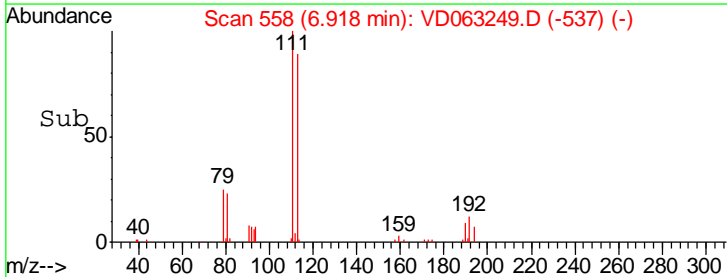
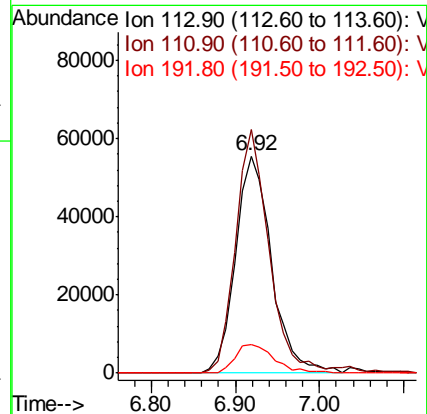
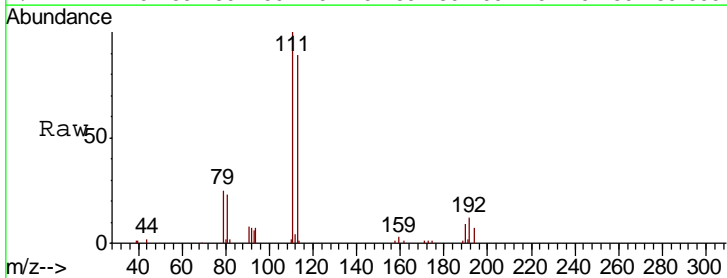
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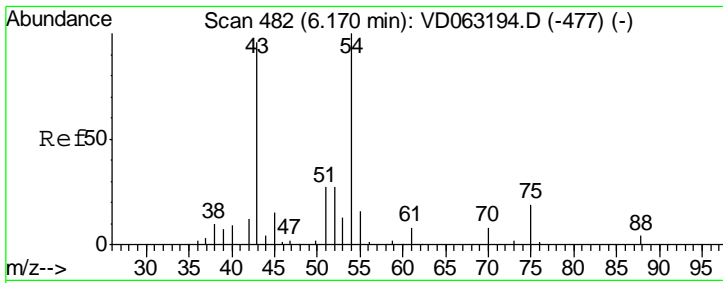
Tgt Ion	Resp	Lower	Upper
114	1192337		
63	18.6	0.0	35.2
88	17.1	0.0	34.6



#35  
 Dibromofluoromethane  
 Concen: 16.225 ug/l  
 RT: 6.92 min Scan# 558  
 Delta R.T. 0.01 min  
 Lab File: VD063249.D  
 Acq: 30 Jul 2019 18:38

Tgt Ion	Resp	Lower	Upper
113	165166		
111	112.2	83.2	124.8
192	13.0	11.8	17.8

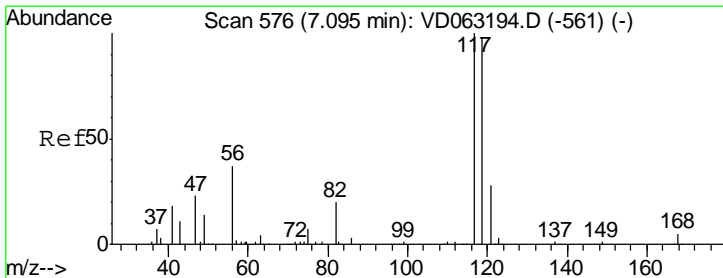
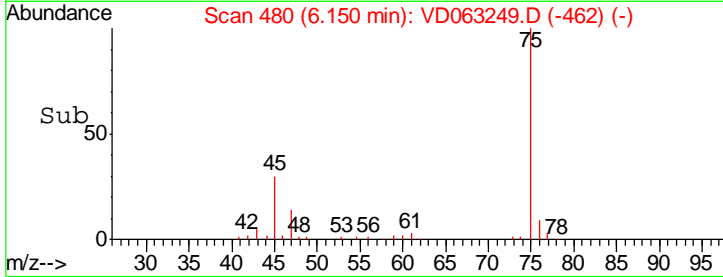
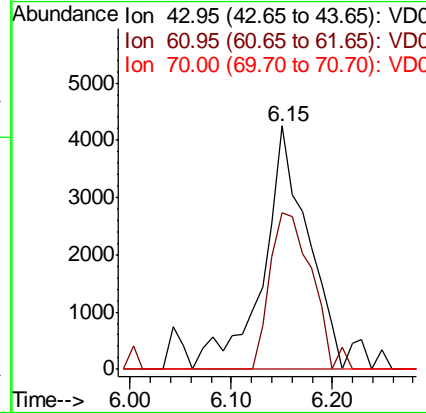
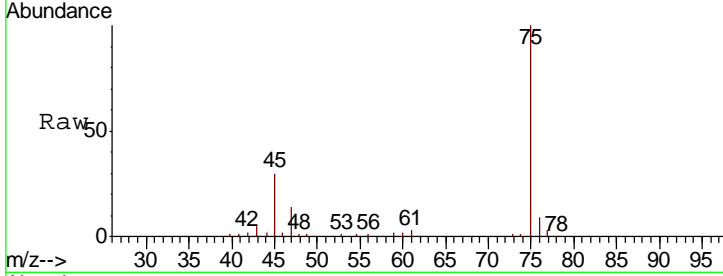




#37  
 Ethyl Acetate  
 Concen: 2.652 ug/l  
 RT: 6.15 min Scan# 480  
 Delta R.T. -0.02 min  
 Lab File: VD063249.D  
 Acq: 30 Jul 2019 18:38

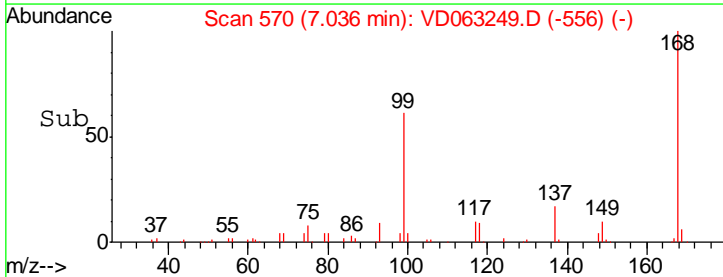
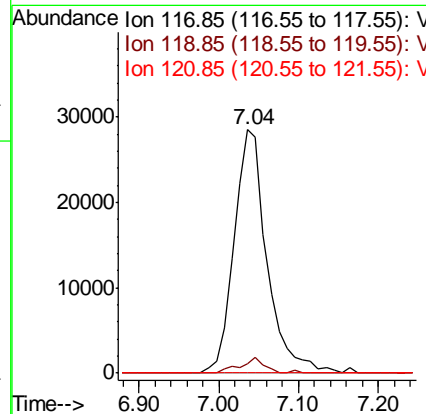
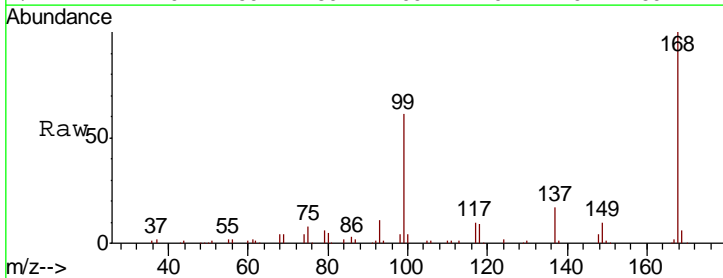
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 MSVOA\_D  
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 SP-5RE

Tgt Ion	Resp	Lower	Upper
43	12967		
61	64.5	11.3	16.9#
70	0.0	5.1	7.7#

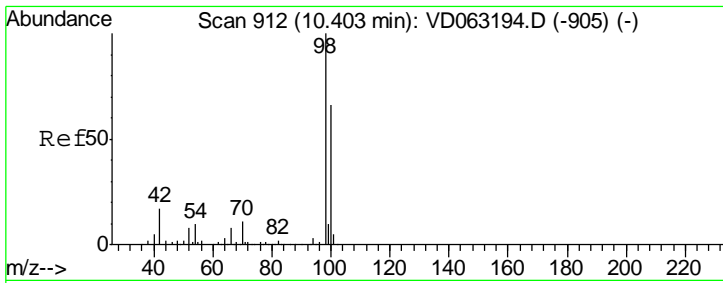


#38  
 Carbon Tetrachloride  
 Concen: 4.993 ug/l  
 RT: 7.04 min Scan# 570  
 Delta R.T. -0.06 min  
 Lab File: VD063249.D  
 Acq: 30 Jul 2019 18:38

Tgt Ion	Resp	Lower	Upper
117	81788		
119	3.6	78.2	117.2#
121	0.0	22.1	33.1#



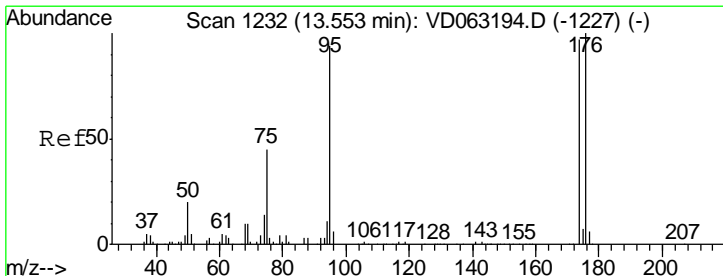
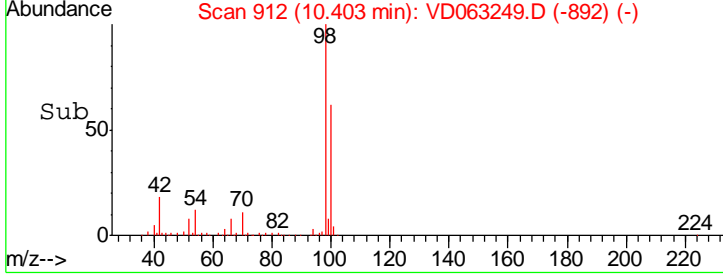
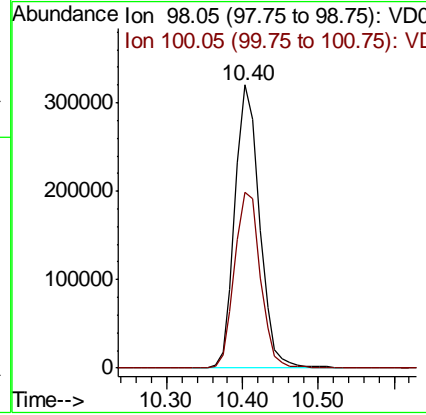
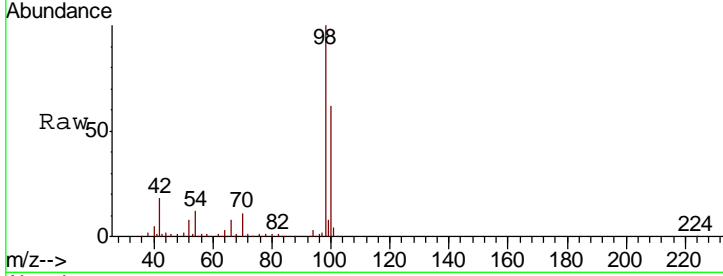




#50  
 Toluene-d8  
 Concen: 31.582 ug/l  
 RT: 10.40 min Scan# 912  
 Delta R.T. 0.00 min  
 Lab File: VD063249.D  
 Acq: 30 Jul 2019 18:38

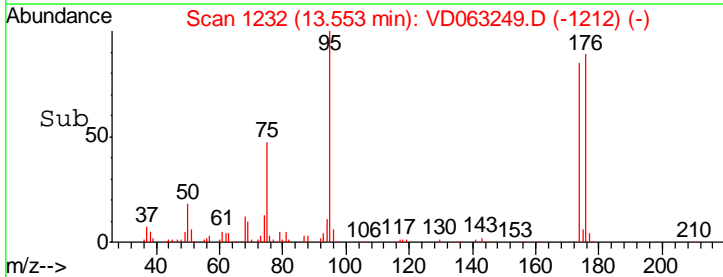
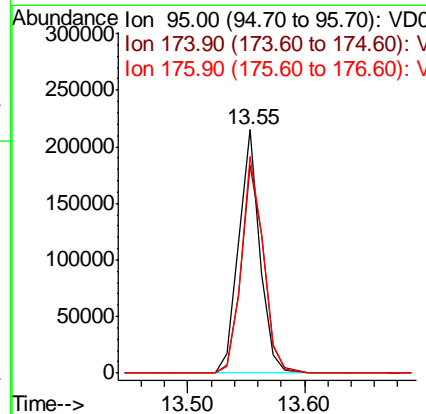
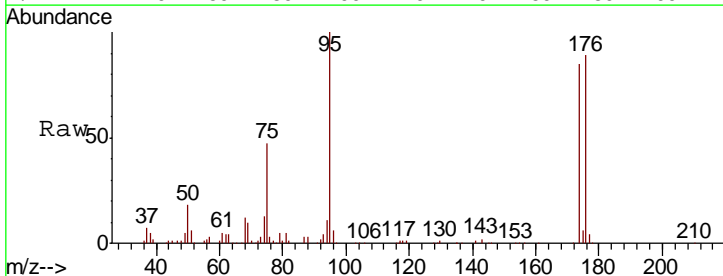
**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 SP-5RE

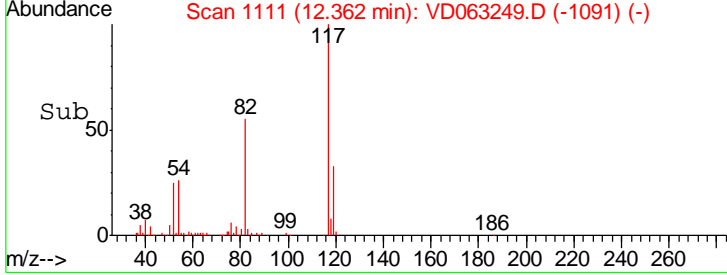
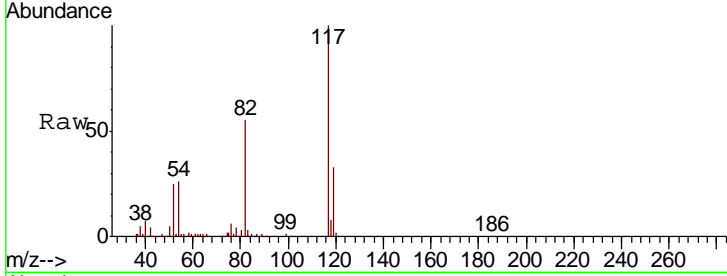
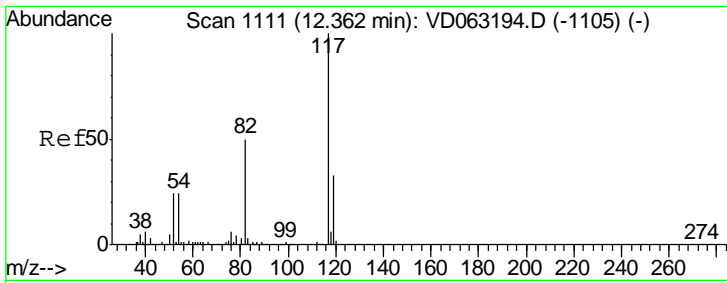
Tgt Ion: 98 Resp: 719517  
 Ion Ratio Lower Upper  
 98 100  
 100 62.2 53.2 79.8



#62  
 4-Bromofluorobenzene  
 Concen: 26.013 ug/l  
 RT: 13.55 min Scan# 1232  
 Delta R.T. 0.00 min  
 Lab File: VD063249.D  
 Acq: 30 Jul 2019 18:38

Tgt Ion: 95 Resp: 270064  
 Ion Ratio Lower Upper  
 95 100  
 174 85.1 0.0 205.4  
 176 89.0 0.0 211.8

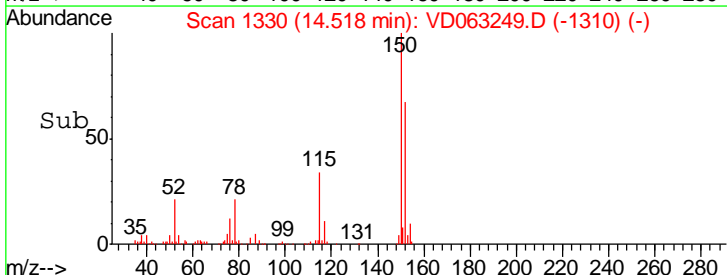
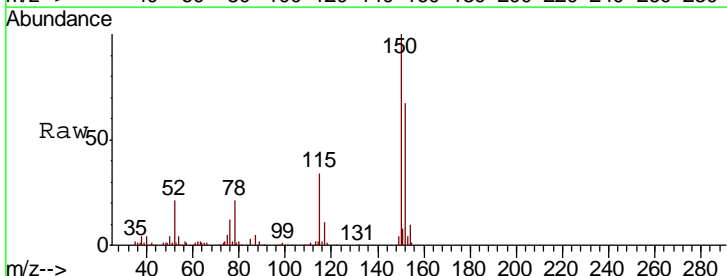
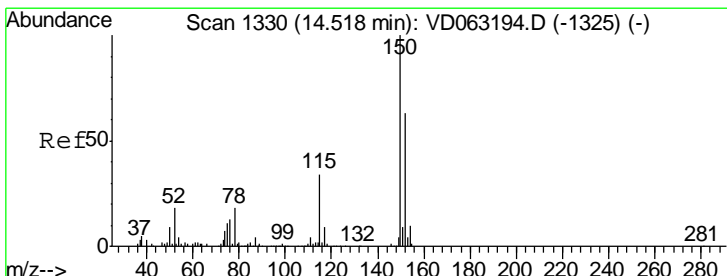
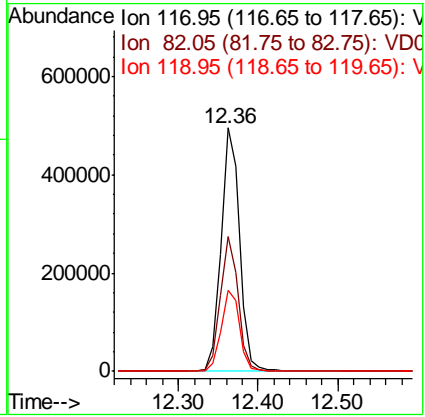




#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 12.36 min Scan# 1111  
 Delta R.T. 0.00 min  
 Lab File: VD063249.D  
 Acq: 30 Jul 2019 18:38

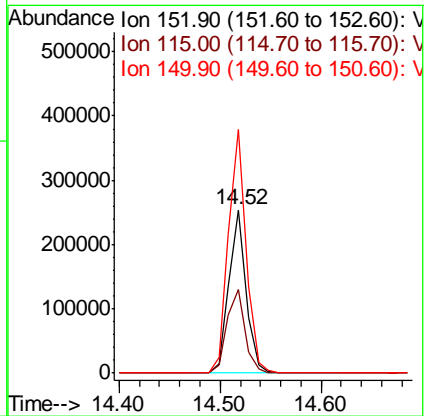
Instrument : MSVOA\_D  
 ClientSampled : SP-5RE

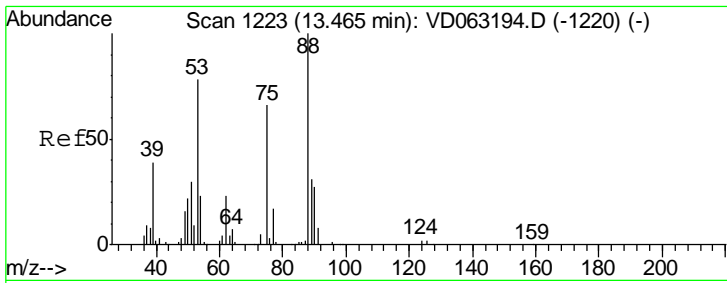
Tgt Ion	Resp	Lower	Upper
117	814077		
82	55.3	40.1	60.1
119	33.2	26.5	39.7



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 14.52 min Scan# 1330  
 Delta R.T. 0.00 min  
 Lab File: VD063249.D  
 Acq: 30 Jul 2019 18:38

Tgt Ion	Resp	Lower	Upper
152	300690		
115	51.1	27.5	82.4
150	149.2	0.0	320.6

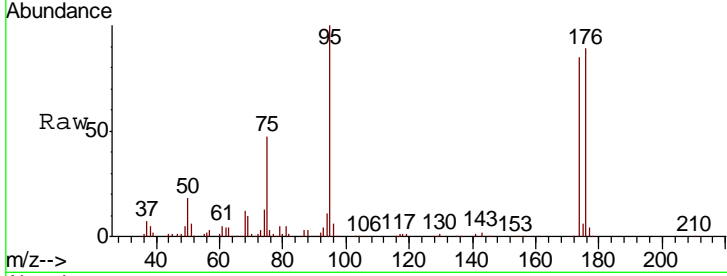




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 131.396 ug/l  
 RT: 13.55 min Scan# 1232  
 Delta R.T. 0.09 min  
 Lab File: VD063249.D  
 Acq: 30 Jul 2019 18:38

Instrument :  
 MSVOA\_D  
 ClientSampled :  
 SP-5RE

Tot Ion	Ion	Resp	Lower	Upper
75	100	131776		
53	0.0	94.9	142.3#	
89	0.0	37.4	56.0#	



Abundance Ion 75.00 (74.70 to 75.70): VDC  
 Ion 53.00 (52.70 to 53.70): VDC  
 Ion 89.00 (88.70 to 89.70): VDC

