

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059895.D
 Acq On : 23 Aug 2018 18:29
 Operator : JC/SY
 Sample : J4559--08RE
 Misc : 5.01µ/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-SSW-145-052RE

Quant Time: Aug 24 05:28:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	988255	50.00	µg/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	1337830	50.00	µg/l	-0.02
63) Chlorobenzene-d5	11.28	117	959774	50.00	µg/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	349292	50.00	µg/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	401724	48.23	µg/l	-0.03
Spiked Amount				50.000		
Recovery						= 96.46%
35) Dibromofluoromethane	6.31	113	530339	50.56	µg/l	-0.03
Spiked Amount				50.000		
Recovery						= 101.12%
50) Toluene-d8	9.45	98	1369450	47.05	µg/l	-0.02
Spiked Amount				50.000		
Recovery						= 94.10%
62) 4-Bromofluorobenzene	12.43	95	444178	37.57	µg/l	0.00
Spiked Amount				50.000		
Recovery						= 75.14%

Target Compounds

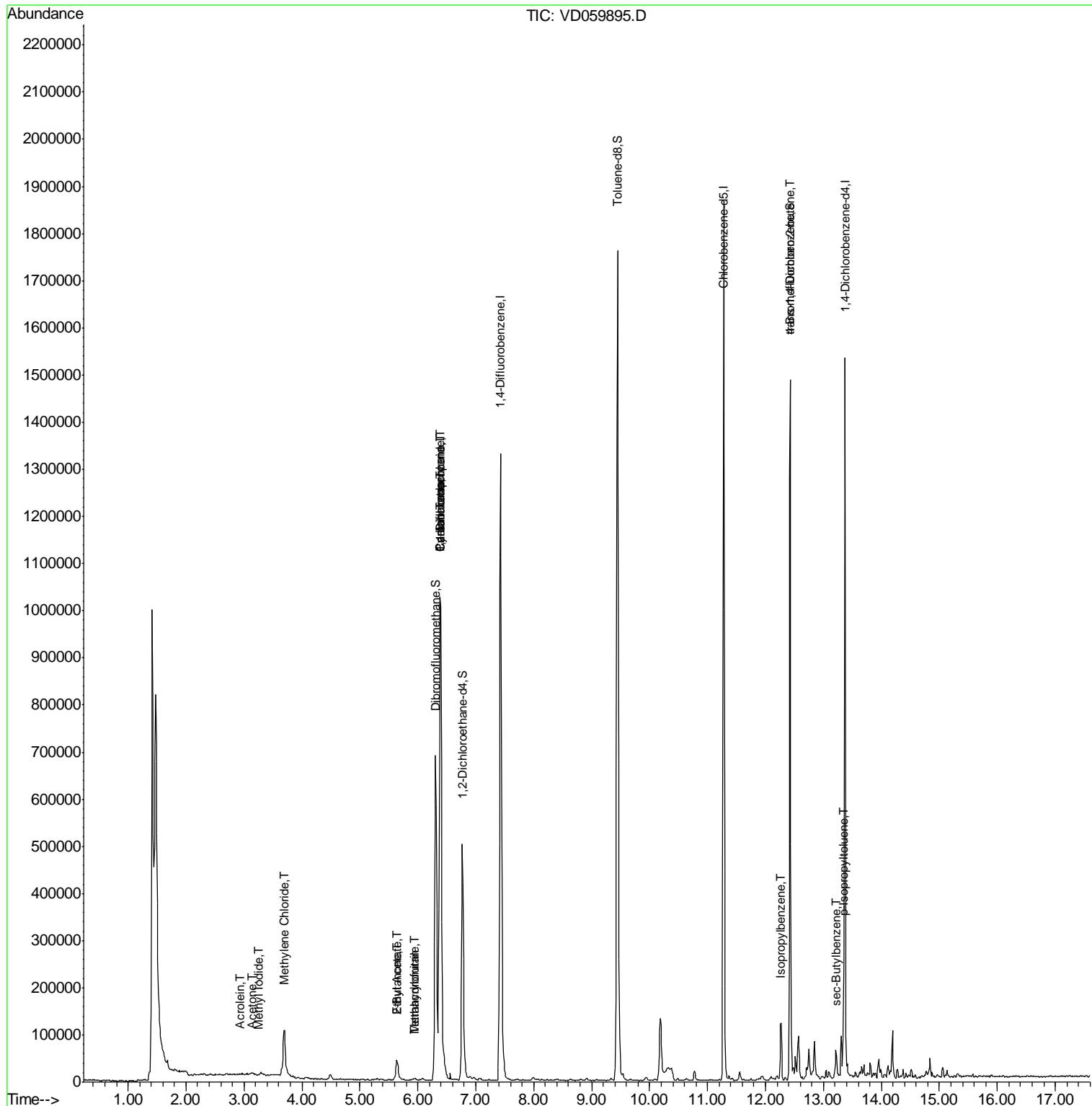
						Qvalue
10) Methyl Iodide	3.24	142	188	3.50	µg/l #	31
13) Acrolein	2.94	56	709	2.57	µg/l #	42
16) Acetone	3.14	43	8143	5.37	µg/l #	83
20) Methylene Chloride	3.70	84	58094	2.18	µg/l	96
25) 2-Butanone	5.63	43	11883	2.64	µg/l #	63
29) Tetrahydrofuran	5.94	42	4387	2.05	µg/l #	56
31) Cyclohexane	6.39	56	20325	1.28	µg/l #	1
36) 1,1-Dichloropropene	6.39	75	70863	5.84	µg/l #	48
37) Ethyl Acetate	5.63	43	11883	1.26	µg/l #	67
38) Carbon Tetrachloride	6.39	117	81332	6.65	µg/l #	15
41) Methacrylonitrile	5.95	41	5478	1.15	µg/l #	77
73) Isopropylbenzene	12.27	105	22912	1.03	µg/l	94
81) trans-1,4-Dichloro-2-buten	12.42	75	185223	109.68	µg/l #	12
85) sec-Butylbenzene	13.21	105	26377	1.11	µg/l	99
86) p-Isopropyltoluene	13.34	119	45477	2.35	µg/l	98
89) n-Butylbenzene	13.64	91	3382	Below Cal	#	73

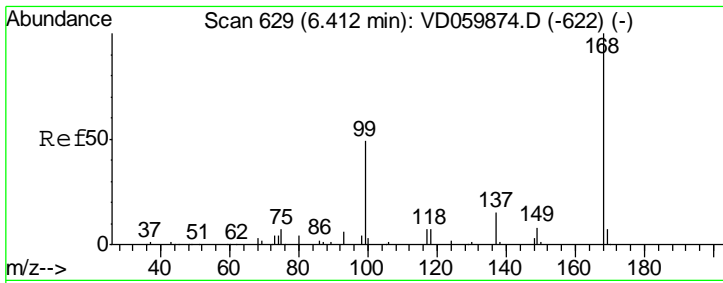
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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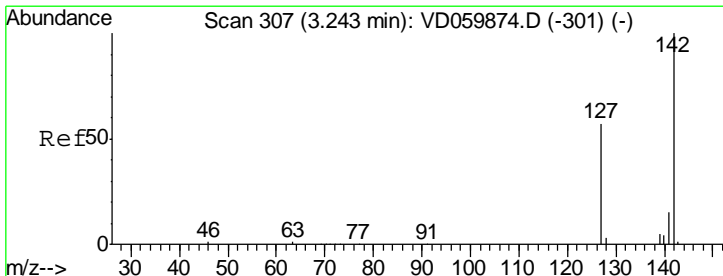
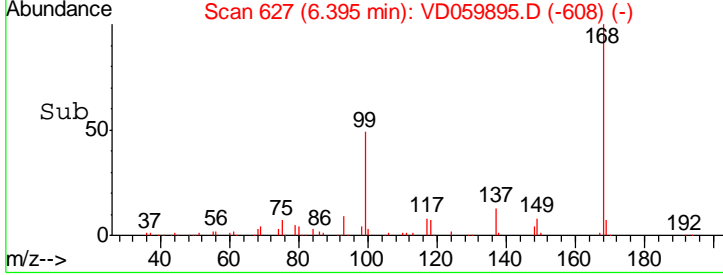
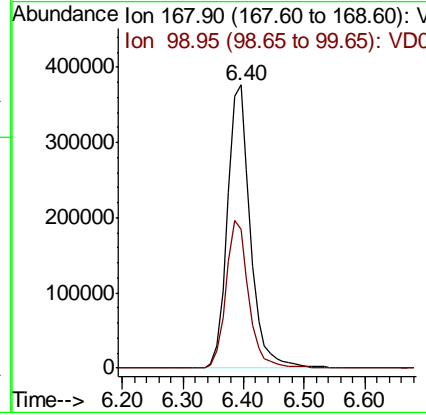
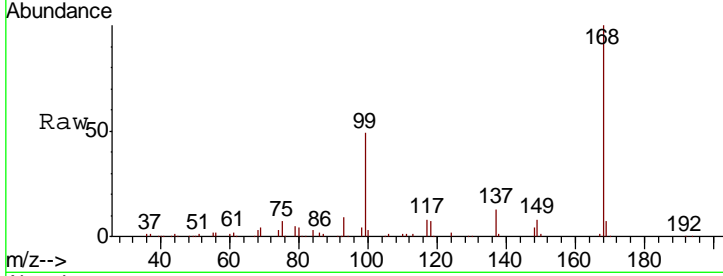




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 6.40 min Scan# 627
 Delta R.T. -0.02 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

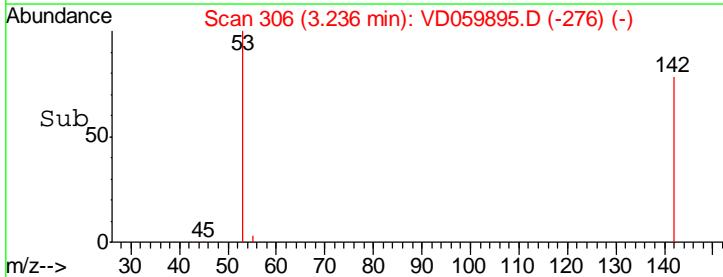
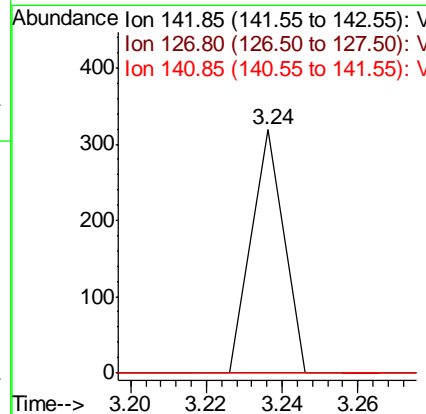
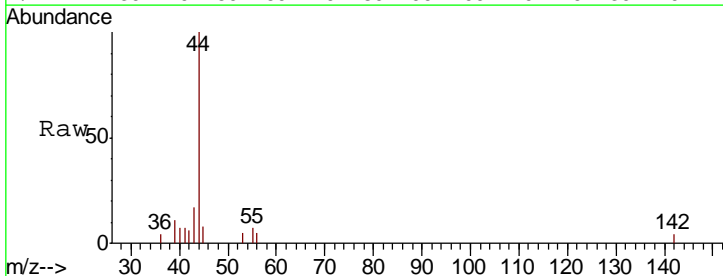
Instrument : MSVOA_D
 ClientSampled : RA-081718-SSW-145-052RE

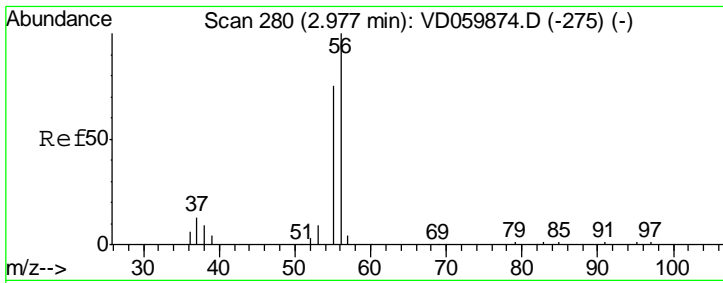
Tgt Ion	Resp	Lower	Upper
168	988255		
99	49.0	42.2	63.2



#10
 Methyl Iodide
 Concen: 3.50 ug/l
 RT: 3.24 min Scan# 306
 Delta R.T. -0.01 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

Tgt Ion	Resp	Lower	Upper
142	188		
127	0.0	45.8	68.6#
141	0.0	11.6	17.4#

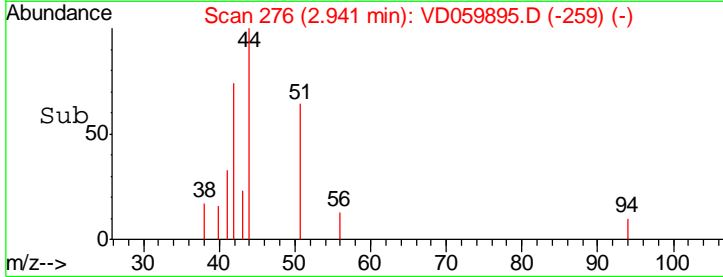
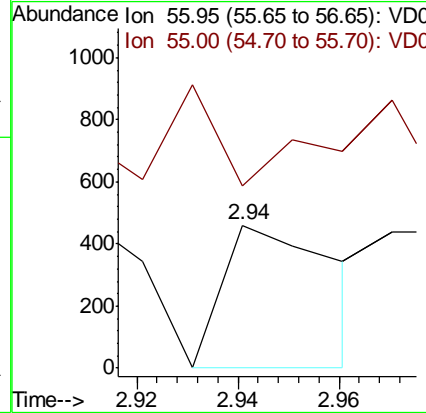
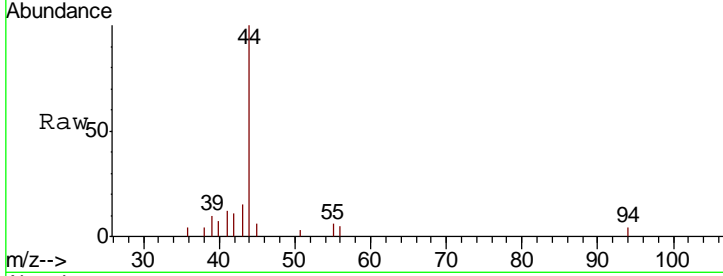




#13
 Acrolein
 Concen: 2.57 ug/l
 RT: 2.94 min Scan# 276
 Delta R.T. -0.04 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

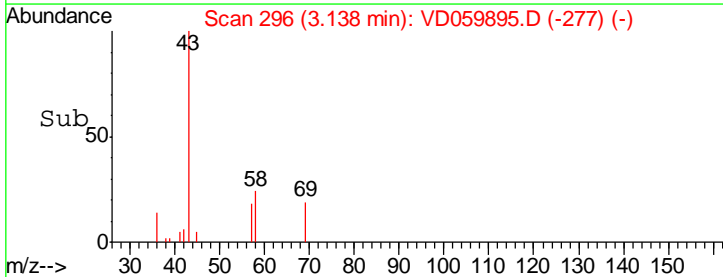
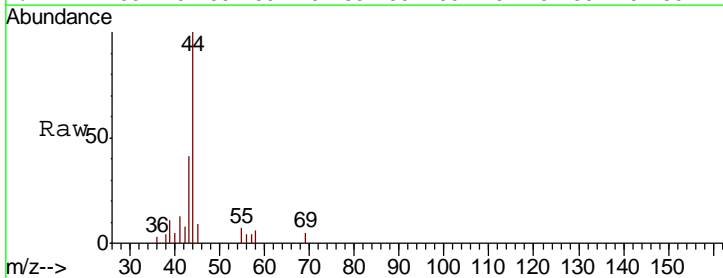
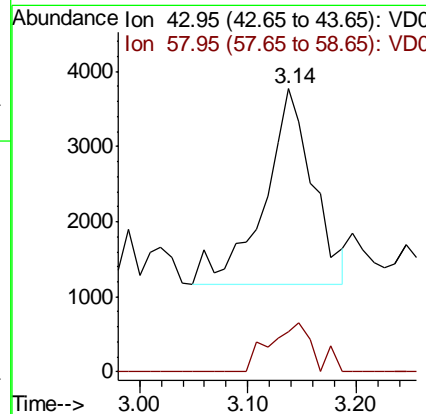
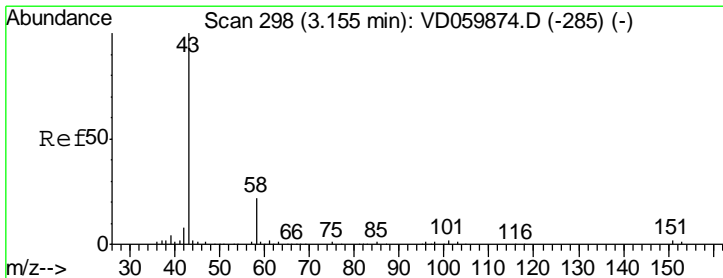
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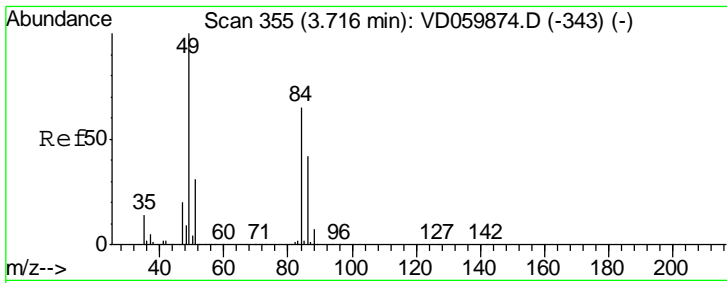
Tgt Ion: 56 Resp: 709
 Ion Ratio Lower Upper
 56 100
 55 127.3 61.9 92.9#



#16
 Acetone
 Concen: 5.37 ug/l
 RT: 3.14 min Scan# 296
 Delta R.T. -0.02 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

Tgt Ion: 43 Resp: 8143
 Ion Ratio Lower Upper
 43 100
 58 14.0 17.6 26.4#

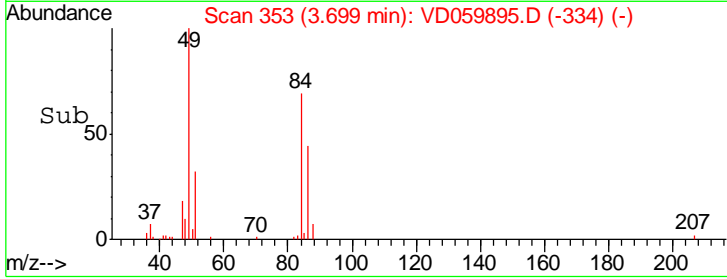
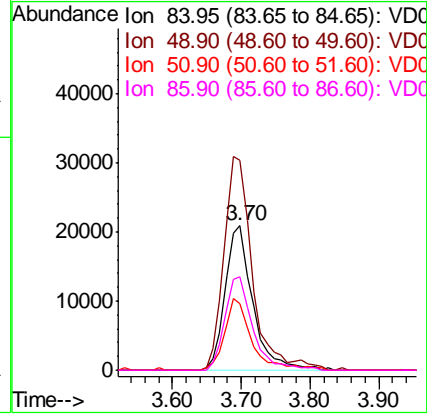
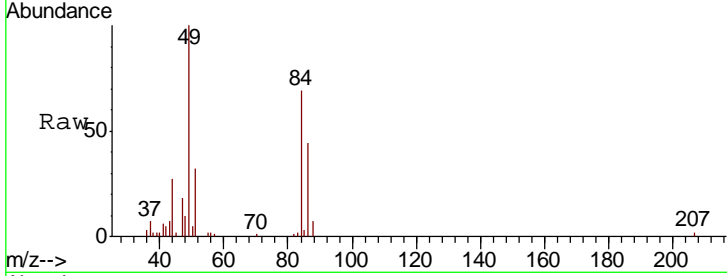




#20
 Methylene Chloride
 Concen: 2.18 ug/l
 RT: 3.70 min Scan# 353
 Delta R.T. -0.02 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

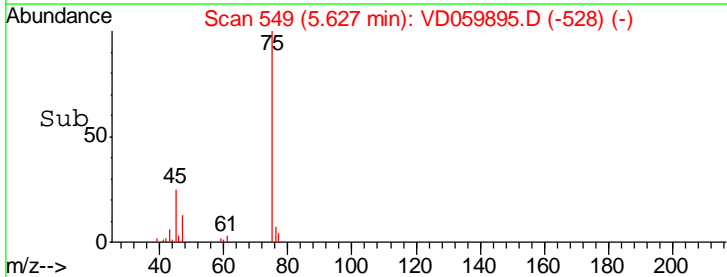
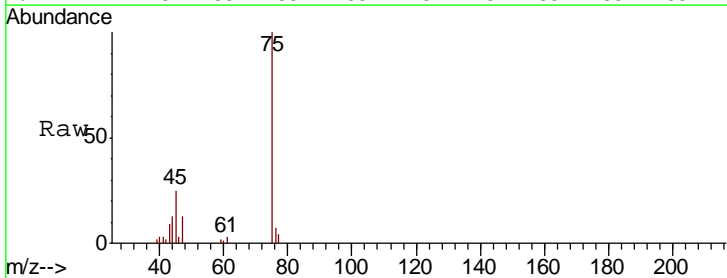
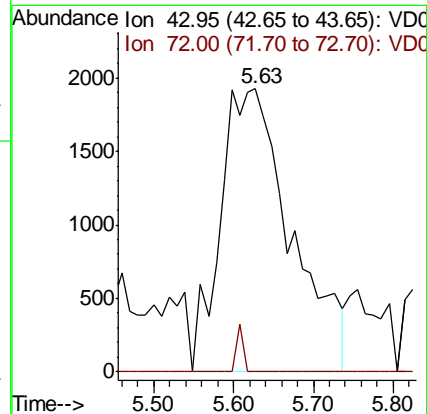
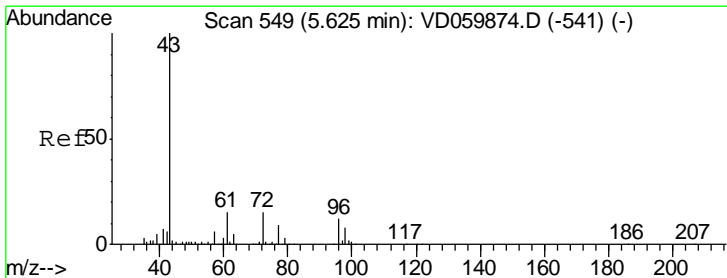
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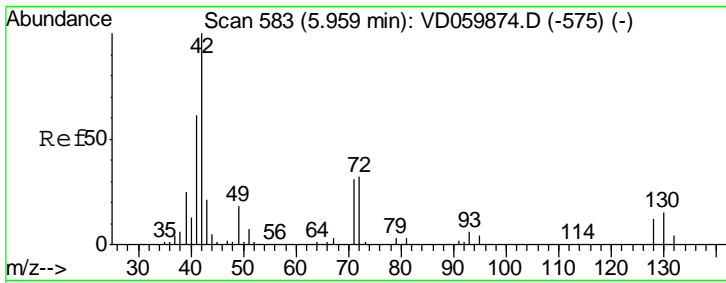
Tgt Ion	Resp	Lower	Upper
84	100		
49	145.3	122.6	183.8
51	46.4	38.4	57.6
86	64.4	51.5	77.3



#25
 2-Butanone
 Concen: 2.64 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. 0.00 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

Tgt Ion	Resp	Lower	Upper
43	100		
72	0.0	12.3	18.5#

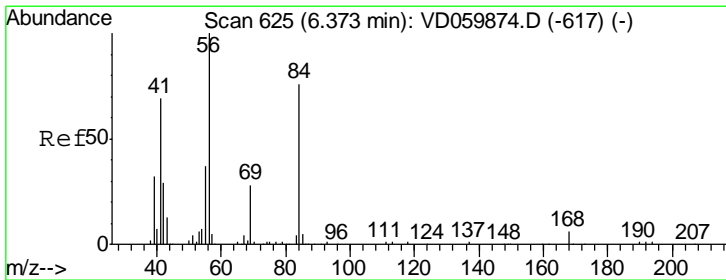
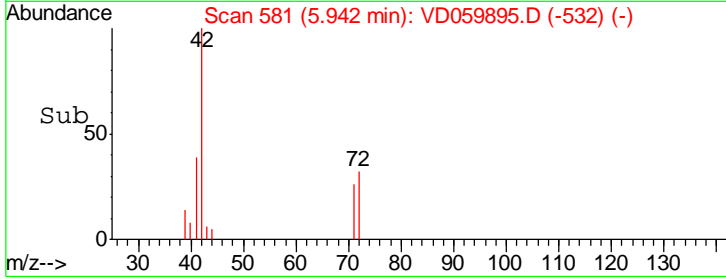
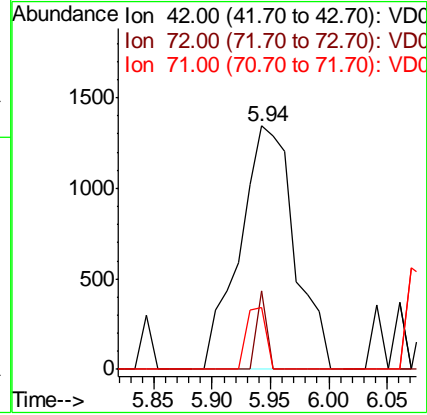
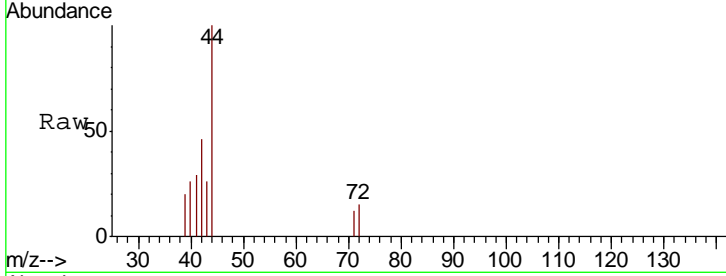




#29
 Tetrahydrofuran
 Concen: 2.05 ug/l
 RT: 5.94 min Scan# 581
 Delta R.T. -0.02 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

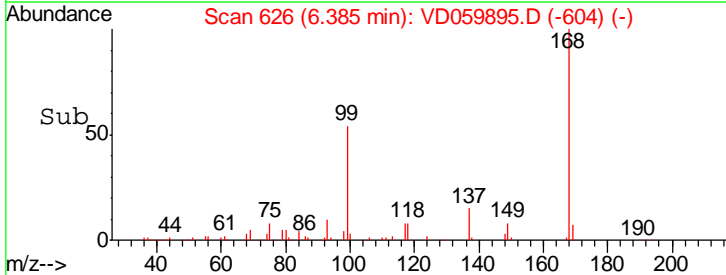
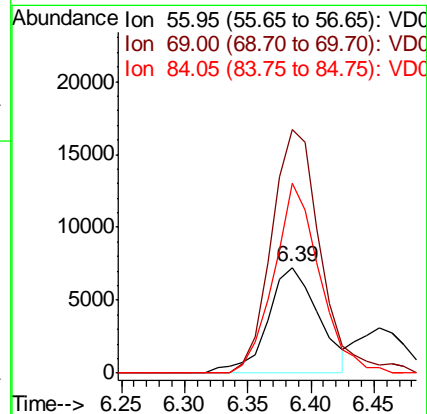
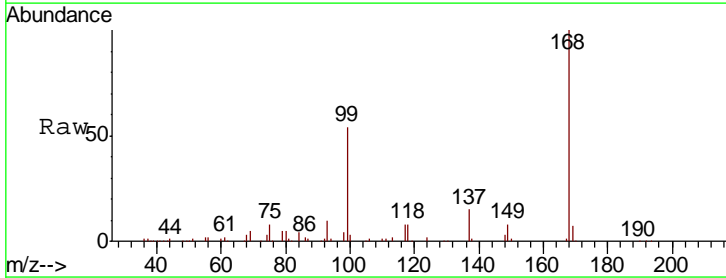
Instrument :
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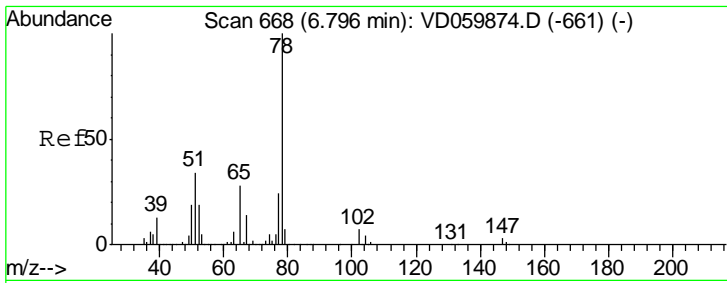
Tgt Ion	Resp	Lower	Upper
42	100		
72	5.8	25.7	38.5#
71	9.0	25.3	37.9#



#31
 Cyclohexane
 Concen: 1.28 ug/l
 RT: 6.39 min Scan# 626
 Delta R.T. 0.01 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

Tgt Ion	Resp	Lower	Upper
56	100		
69	230.1	22.4	33.6#
84	179.4	62.1	93.1#

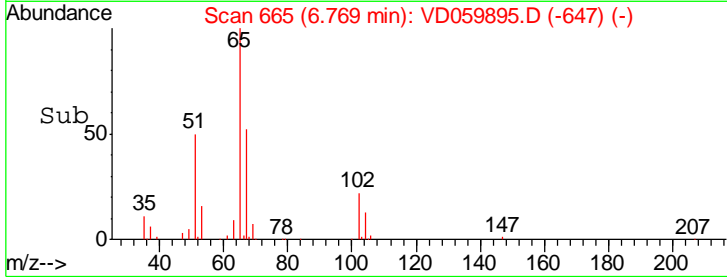
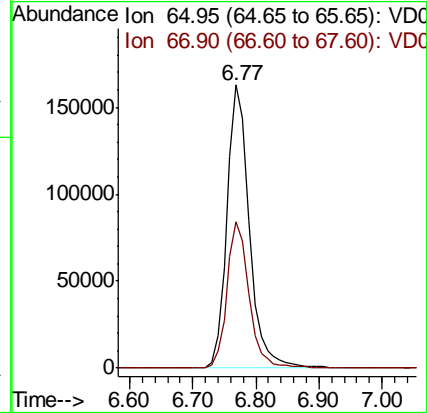
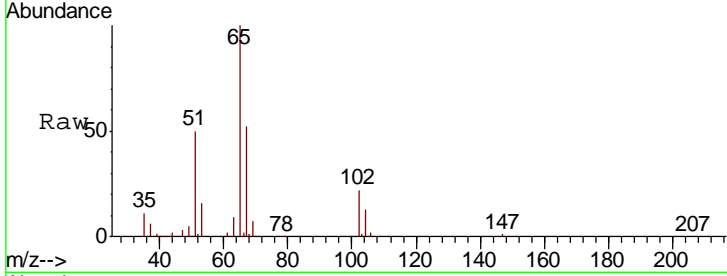




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.77 min Scan# 665
 Delta R.T. -0.03 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

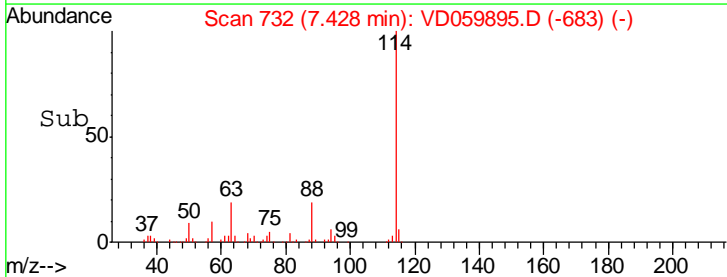
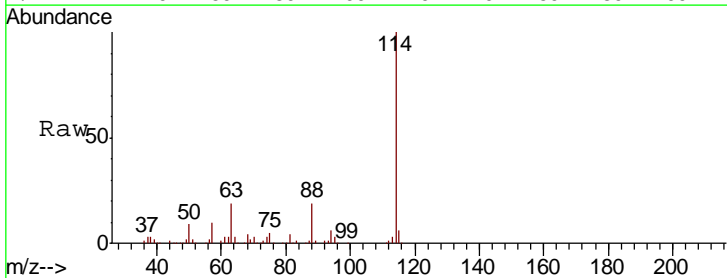
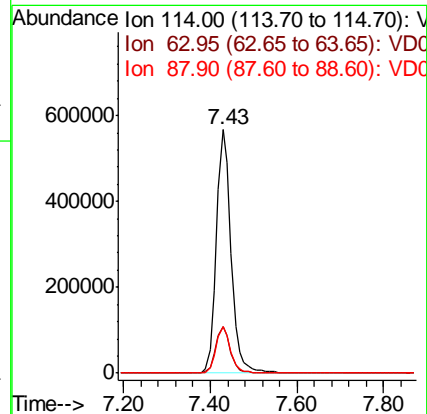
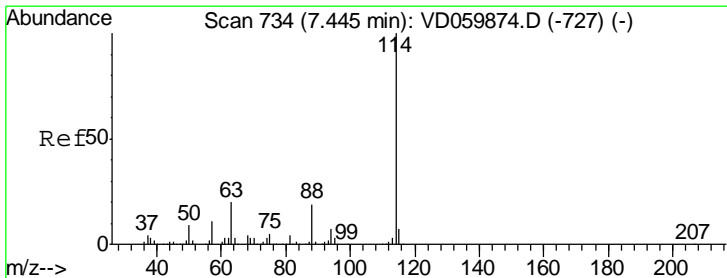
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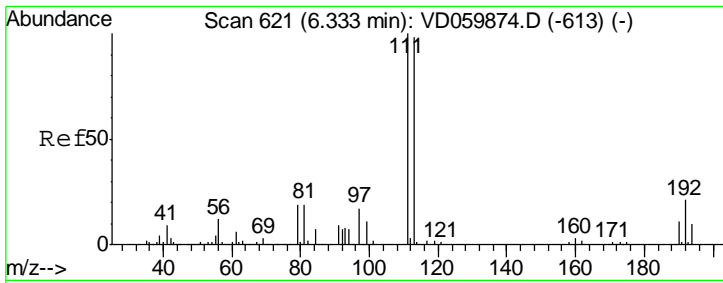
Tgt Ion: 65 Resp: 401724
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. -0.02 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

Tgt Ion: 114 Resp: 1337830
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.4
 88 19.3 0.0 37.6

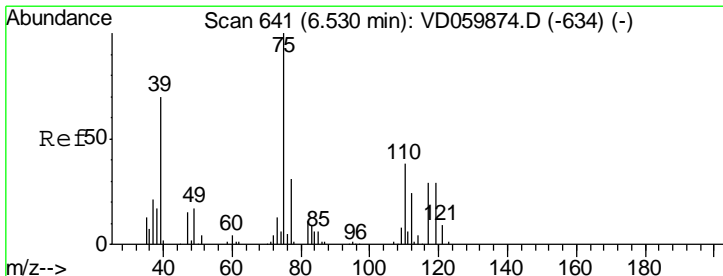
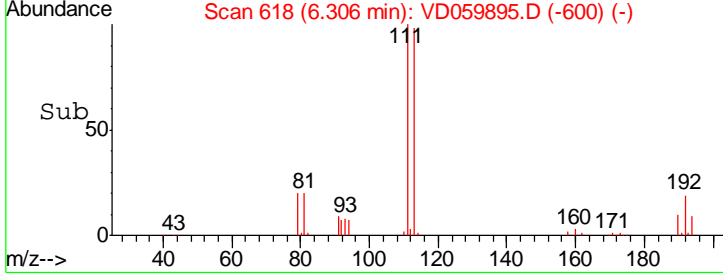
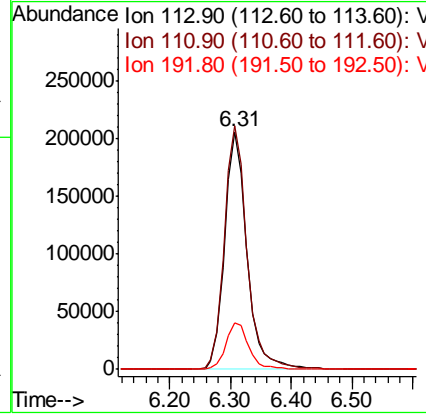
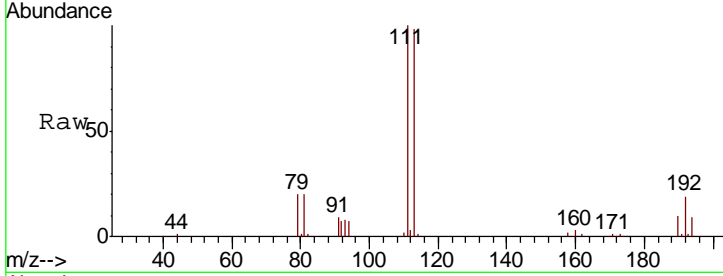




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.31 min Scan# 618
 Delta R.T. -0.03 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

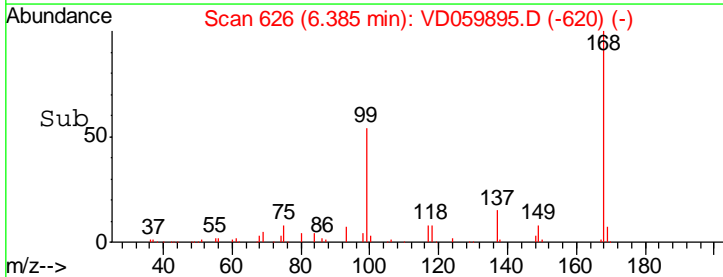
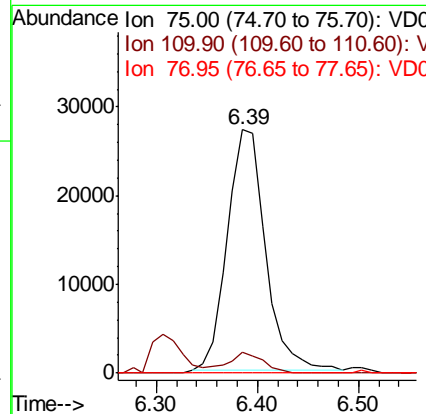
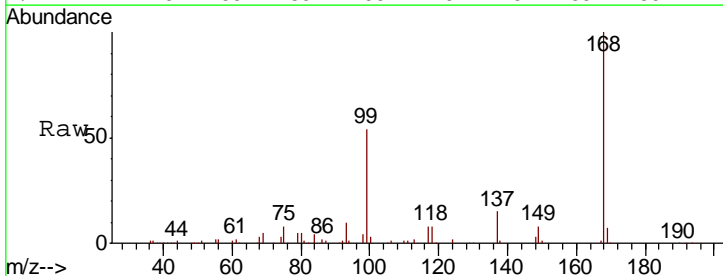
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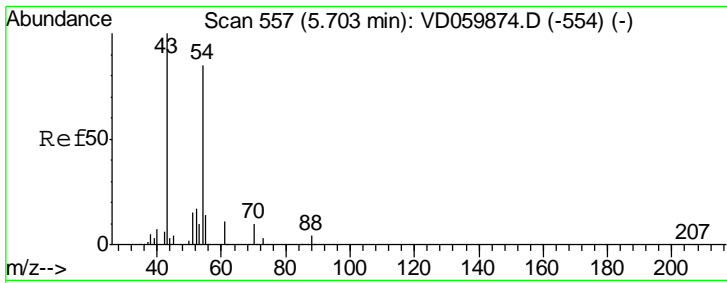
Tgt Ion	Resp	Lower	Upper
113	100		
111	102.4	81.4	122.2
192	19.6	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 5.84 ug/l
 RT: 6.39 min Scan# 626
 Delta R.T. -0.14 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

Tgt Ion	Resp	Lower	Upper
75	100		
110	8.5	18.6	56.0#
77	0.0	25.1	37.7#

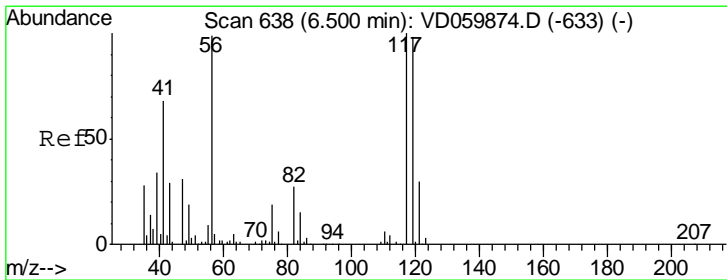
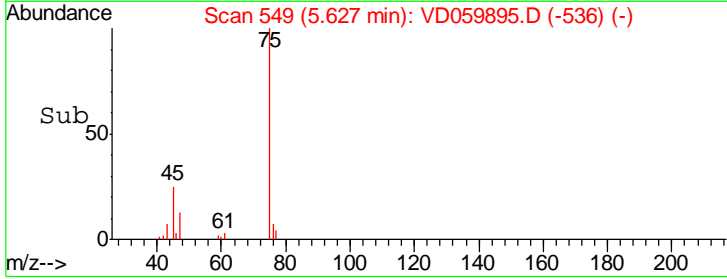
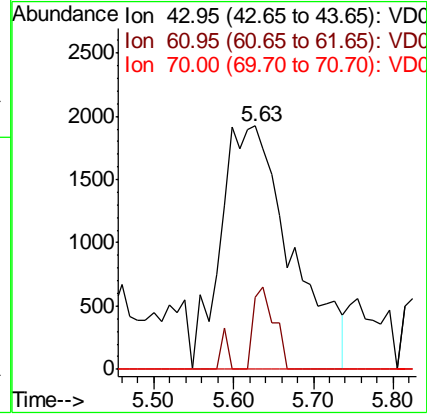
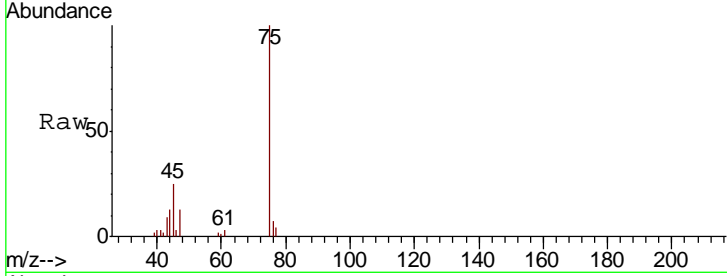




#37
 Ethyl Acetate
 Concen: 1.26 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.08 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

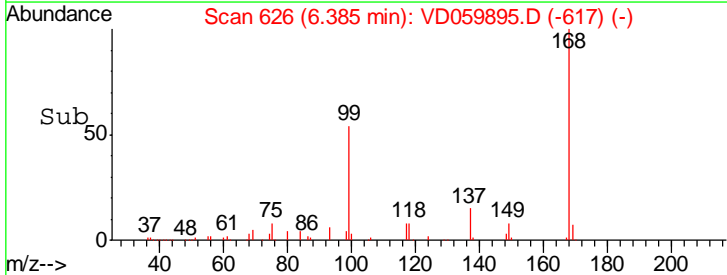
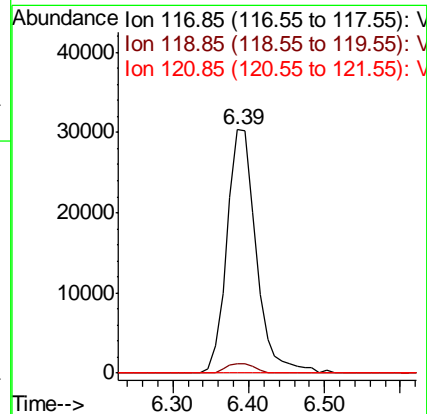
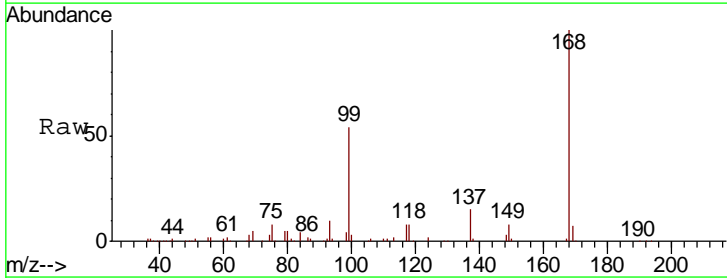
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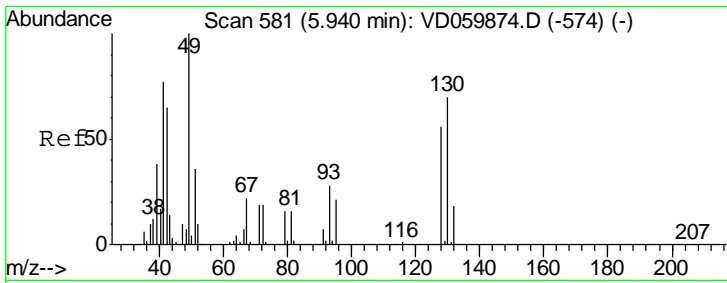
Tgt Ion	Resp	Lower	Upper
43	11883		
61	29.7	11.0	16.6#
70	0.0	5.7	8.5#



#38
 Carbon Tetrachloride
 Concen: 6.65 ug/l
 RT: 6.39 min Scan# 626
 Delta R.T. -0.12 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

Tgt Ion	Resp	Lower	Upper
117	81332		
119	4.0	77.2	115.8#
121	0.0	24.0	36.0#

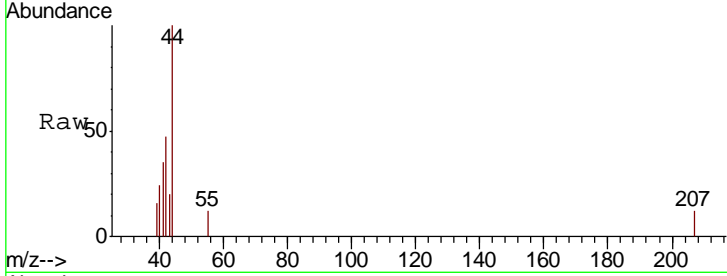




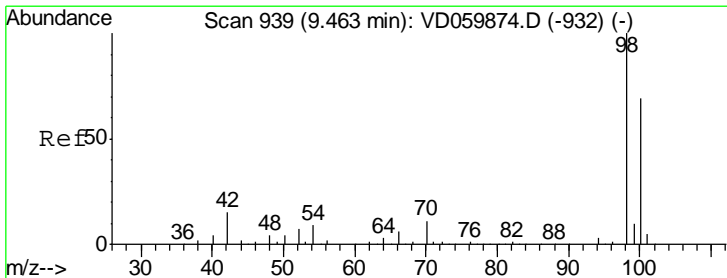
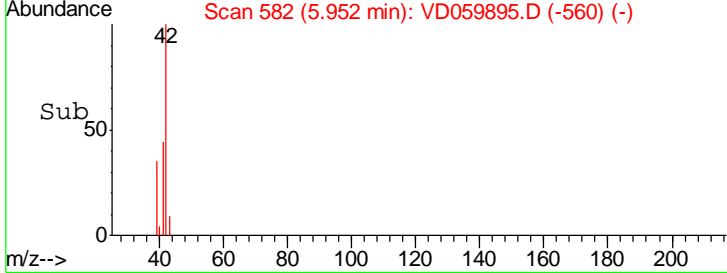
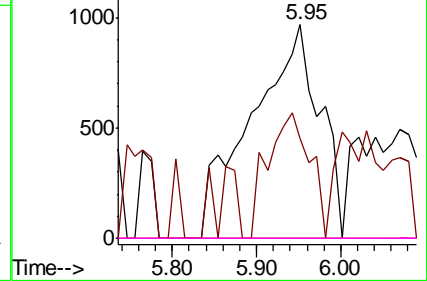
#41
 Methacrylonitrile
 Concen: 1.15 ug/l
 RT: 5.95 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

Instrument :
 MSVOA_D
 ClientSampled :
 RA-081718-SSW-145-052RE

Tgt Ion	Resp	Lower	Upper
41	100		
39	46.9	39.4	59.2
67	0.0	22.2	33.2#
52	0.0	10.1	15.1#

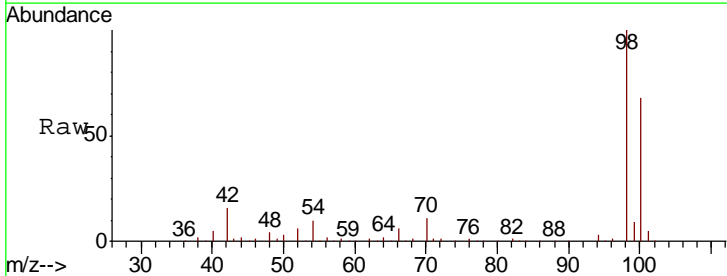


Abundance Ion 40.95 (40.65 to 41.65): VDC
 Ion 38.95 (38.65 to 39.65): VDC
 Ion 67.00 (66.70 to 67.70): VDC
 Ion 52.00 (51.70 to 52.70): VDC

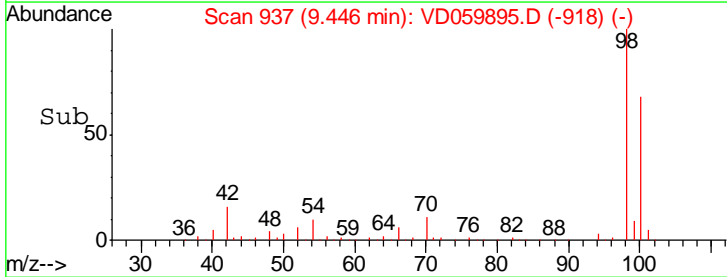
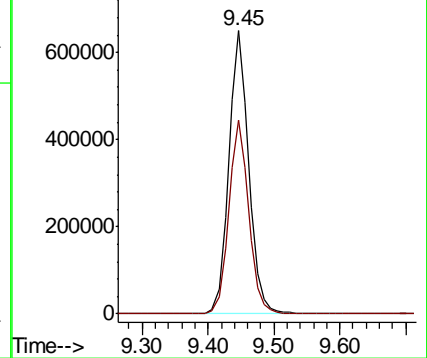


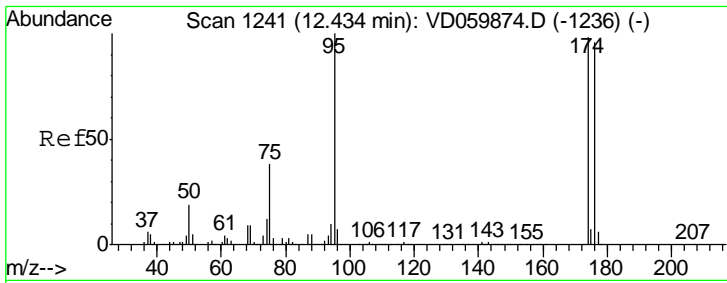
#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 9.45 min Scan# 937
 Delta R.T. -0.02 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

Tgt Ion	Resp	Lower	Upper
98	100		
100	68.5	55.8	83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC

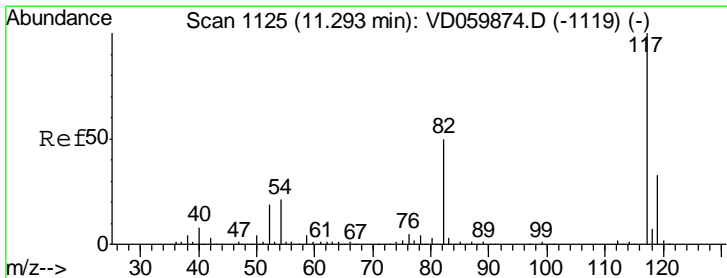
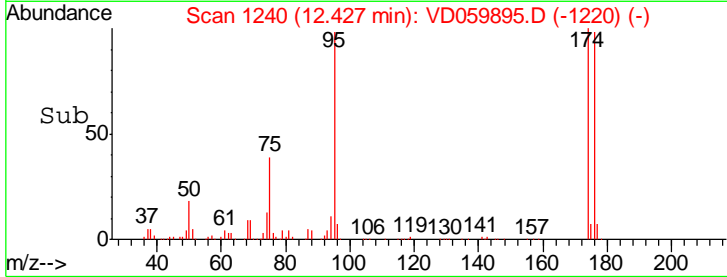
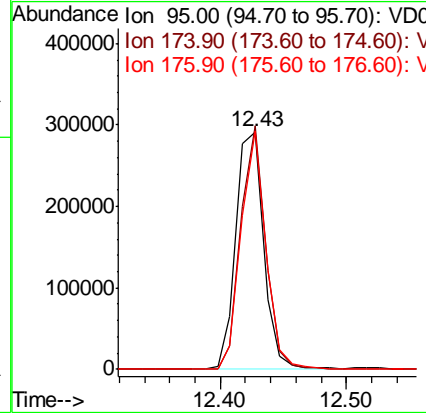
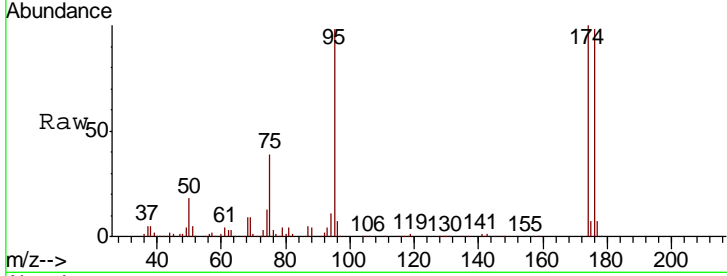




#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 12.43 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

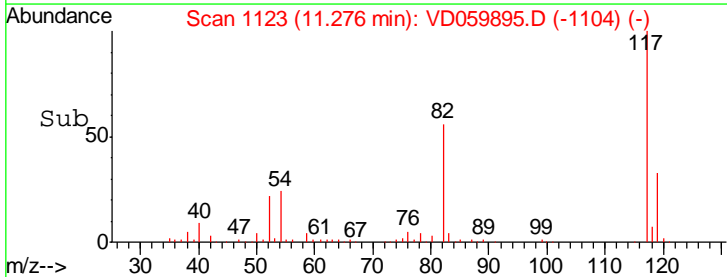
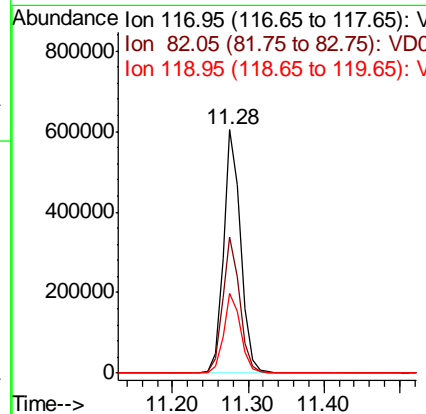
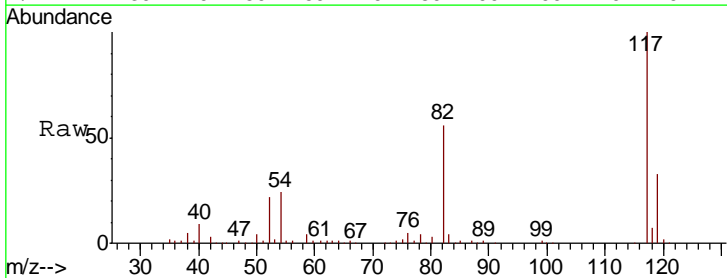
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-SSW-145-052RE

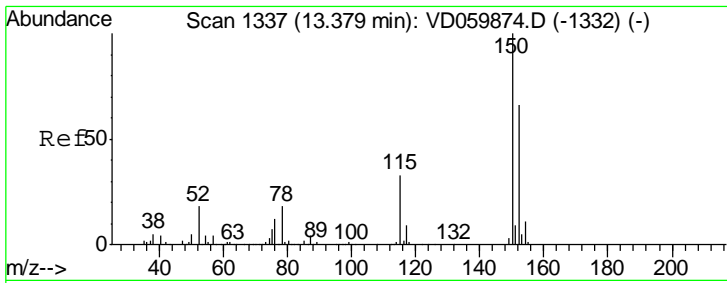
Tgt Ion	Resp	Lower	Upper
95	444178		
174	102.4	0.0	195.6
176	100.5	0.0	191.2



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.28 min Scan# 1123
 Delta R.T. -0.02 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

Tgt Ion	Resp	Lower	Upper
117	959774		
82	56.1	40.1	60.1
119	32.6	26.7	40.1

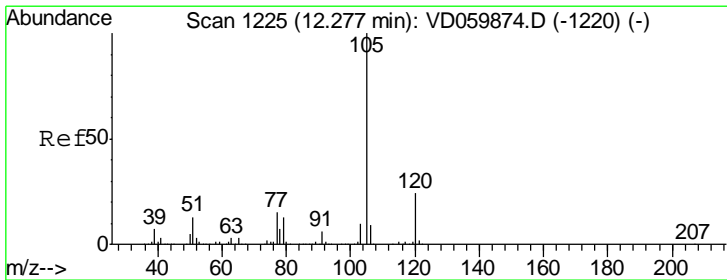
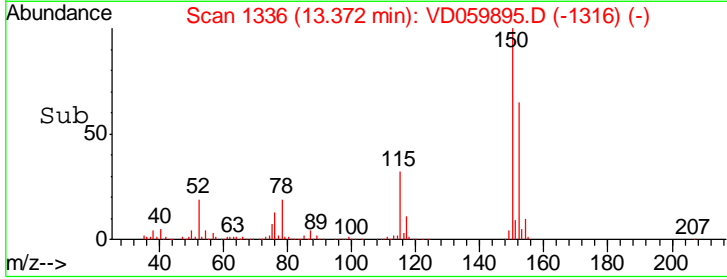
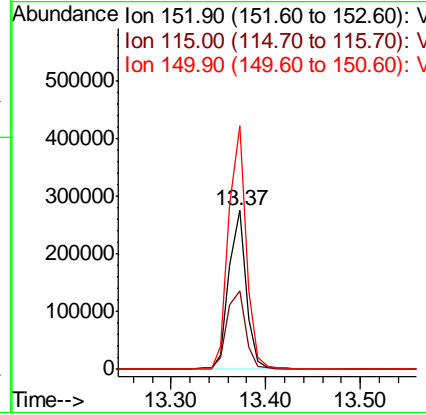
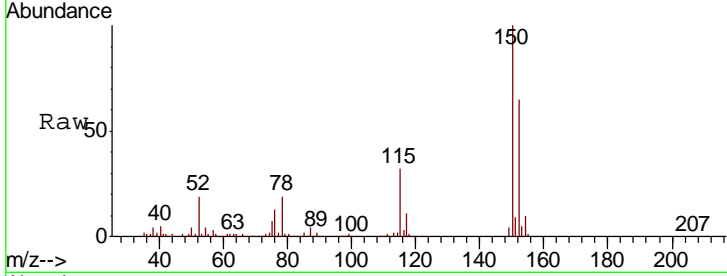




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.37 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

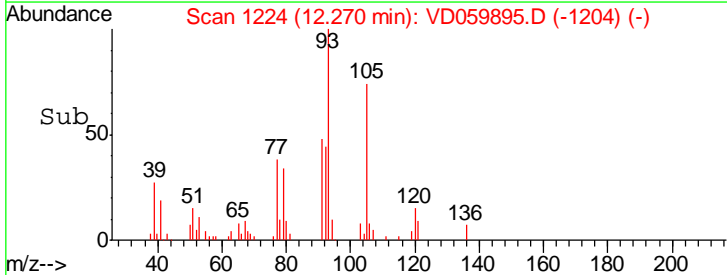
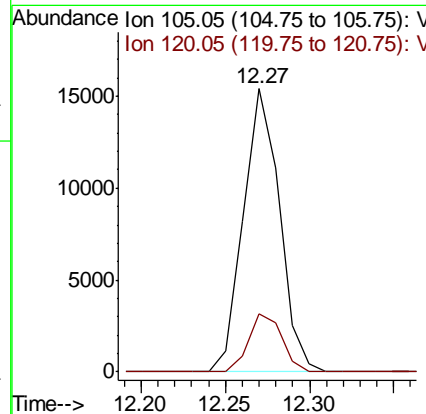
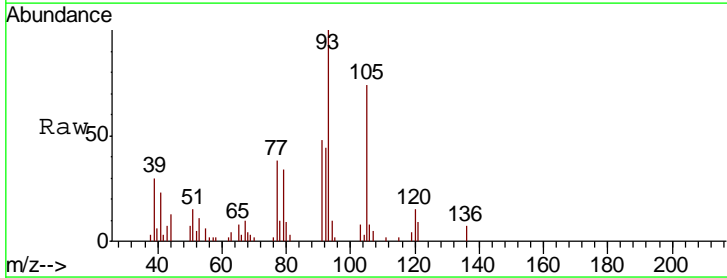
Instrument :
 MSVOA_D
 ClientSampled :
 RA-081718-SSW-145-052RE

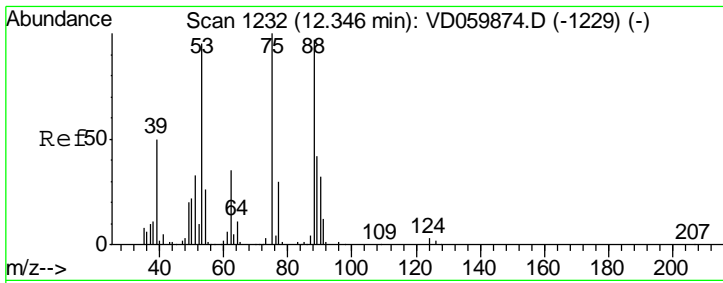
Tgt Ion	Resp	Lower	Upper
152	100		
115	49.4	25.7	77.0
150	153.2	0.0	310.2



#73
 Isopropylbenzene
 Concen: 1.03 ug/l
 RT: 12.27 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

Tgt Ion	Resp	Lower	Upper
105	100		
120	20.7	11.8	35.4

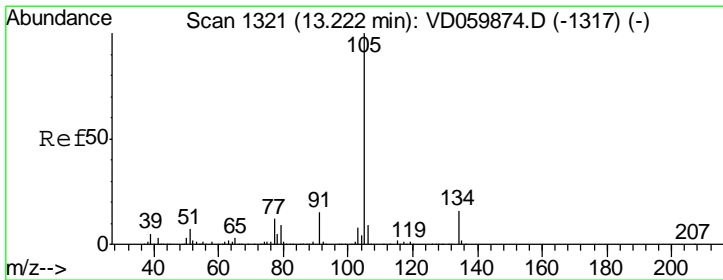
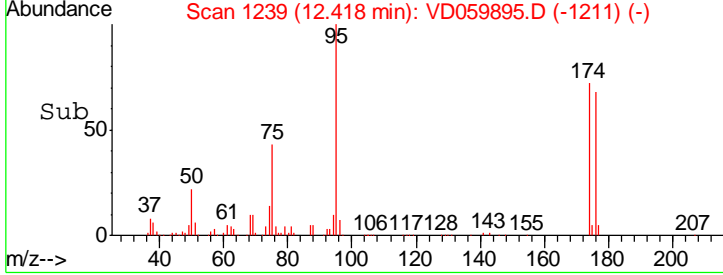
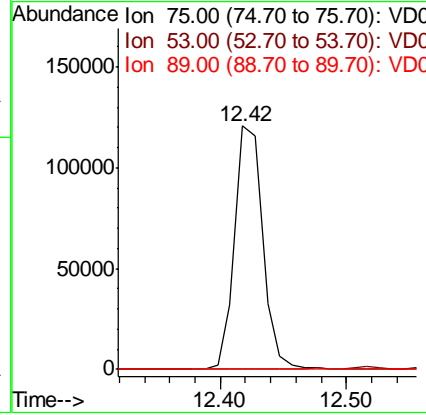
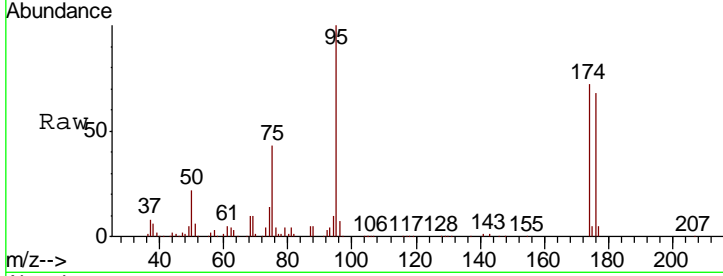




#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.68 ug/l
 RT: 12.42 min Scan# 1239
 Delta R.T. 0.07 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

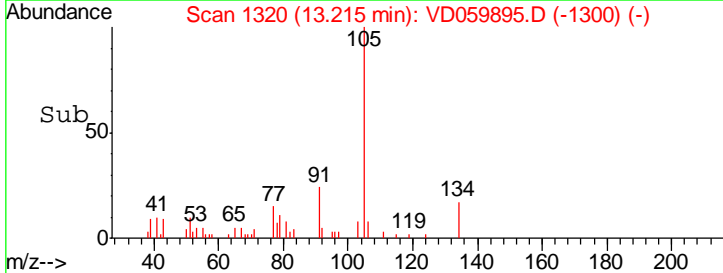
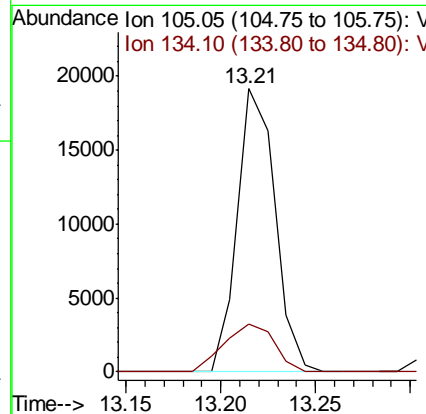
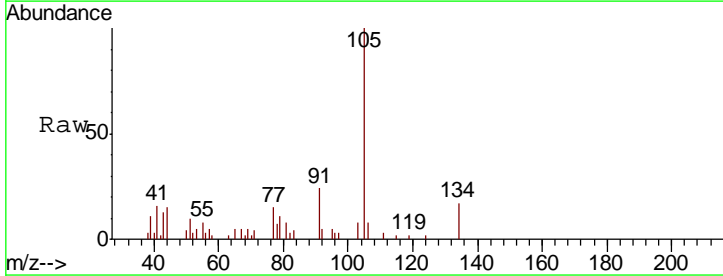
Instrument : MSVOA_D
 Client Sampled : RA-081718-SSW-145-052RE

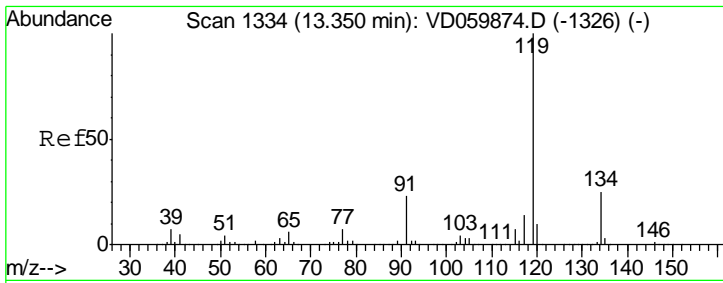
Tgt Ion	Resp	Lower	Upper
75	185223		
75	100		
53	0.0	75.8	113.6#
89	0.0	33.6	50.4#



#85
 sec-Butylbenzene
 Concen: 1.11 ug/l
 RT: 13.21 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

Tgt Ion	Resp	Lower	Upper
105	26377		
105	100		
134	16.9	8.2	24.4





#86
 p-Isopropyltoluene
 Concen: 2.35 ug/l
 RT: 13.34 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD059895.D
 Acq: 23 Aug 2018 18:29

Instrument : MSVOA_D
 ClientSampled : RA-081718-SSW-145-052RE

Tot Ion:119 Resp: 45477

Ion	Ratio	Lower	Upper
119	100		
134	24.5	12.7	38.1
91	24.6	11.7	35.0

