

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032319\
 Data File : VF062117.D
 Acq On : 23 Mar 2019 15:10
 Operator : VA/AP
 Sample : K2045-02MS
 Misc : 5.63µ/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 Client Sampled :
 WP022SB439-190318-(13-14)MS

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 12:40:30 PM

Quant Time: Mar 25 04:09:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	19279	50.00	µg/l	-0.03
34) 1,4-Difluorobenzene	5.61	114	21551	50.00	µg/l	-0.02
63) Chlorobenzene-d5	9.78	117	11659	50.00	µg/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	3400	50.00	µg/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	2709	18.89	µg/l	-0.03
Spiked Amount	50.000		Recovery	=	37.78%	
35) Dibromofluoromethane	4.12	113	5167	35.44	µg/l	-0.03
Spiked Amount	50.000		Recovery	=	70.88%	
50) Toluene-d8	7.56	98	20911	48.05	µg/l	-0.03
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	11.42	95	4009	23.86	µg/l	-0.02
Spiked Amount	50.000		Recovery	=	47.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	20730	83.934	µg/l	93
3) Chloromethane	1.08	50	14434	55.853	µg/l	90
4) Vinyl Chloride	1.13	62	19635	82.141	µg/l	95
5) Bromomethane	1.30	94	11291	65.710	µg/l	99
6) Chloroethane	1.36	64	8048	66.881	µg/l	97
7) Trichlorofluoromethane	1.45	101	26609	92.169	µg/l	95
8) Diethyl Ether	1.63	74	1178	17.863	µg/l	91
9) 1,1,2-Trichlorotrifluoroet	1.81	101	16742	85.005	µg/l #	94
10) Methyl Iodide	1.85	142	18638	49.798	µg/l	96
11) Tert butyl alcohol	2.55	59	235	29.784	µg/l #	66
12) 1,1-Dichloroethene	1.76	96	13274	71.429	µg/l	97
13) Acrolein	2.00	56	1125	118.573	µg/l	97
14) Allyl chloride	2.10	41	11866	59.806	µg/l	95
15) Acrylonitrile	2.95	53	2267	81.708	µg/l #	74
16) Acetone	2.24	43	4121	136.545	µg/l #	84
17) Carbon Disulfide	1.77	76	43918	77.500	µg/l	97
18) Methyl Acetate	2.37	43	1536	21.336	µg/l #	56
19) Methyl tert-butyl Ether	2.44	73	4430	15.083	µg/l	96
20) Methylene Chloride	2.19	84	5558	29.299	µg/l #	91
21) trans-1,2-Dichloroethene	2.31	96	11147	62.342	µg/l	99
22) Diisopropyl ether	2.80	45	12868	24.737	µg/l #	94
23) Vinyl Acetate	3.19	43	8329	39.107	µg/l	97
24) 1,1-Dichloroethane	2.88	63	12381	39.689	µg/l	98
25) 2-Butanone	4.37	43	6905	109.593	µg/l #	71
26) 2,2-Dichloropropane	3.61	77	14428	114.072	µg/l	98
27) cis-1,2-Dichloroethene	3.48	96	8096	34.169	µg/l	89
28) Bromochloromethane	3.73	49	3201	25.115	µg/l #	74
29) Tetrahydrofuran	4.09	42	2427	88.596	µg/l #	45
30) Chloroform	3.87	83	11686	35.447	µg/l	97
31) Cyclohexane	3.69	56	23706	72.762	µg/l	95
32) 1,1,1-Trichloroethane	4.10	97	17441	86.969	µg/l	99
36) 1,1-Dichloropropene	4.30	75	15851	77.219	µg/l	92
37) Ethyl Acetate	4.11	43	1044	11.637	µg/l #	1
38) Carbon Tetrachloride	3.99	117	17722m	126.669	µg/l	

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	23711	99.525	ug/l	93
40) Benzene	4.64	78	29424	53.469	ug/l	100
41) Methacrylonitrile	4.77	41	1037	21.847	ug/l #	44
42) 1,2-Dichloroethane	4.95	62	3602	27.680	ug/l	70
43) Isopropyl Acetate	6.97	43	807	7.428	ug/l #	42
44) Trichloroethene	5.51	130	11458	68.103	ug/l	97
45) 1,2-Dichloropropane	6.25	63	4454	33.935	ug/l	98
46) Dibromomethane	6.09	93	1378	17.171	ug/l #	85
47) Bromodichloromethane	6.39	83	5189	29.192	ug/l #	82
48) Methyl methacrylate	6.73	41	1058	17.103	ug/l #	65
51) 4-Methyl-2-Pentanone	8.27	43	1230	16.915	ug/l	94
52) Toluene	7.63	92	18063	56.671	ug/l	96
53) t-1,3-Dichloropropene	8.29	75	3087	22.122	ug/l	88
54) cis-1,3-Dichloropropene	7.30	75	4691	23.495	ug/l #	90
55) 1,1,2-Trichloroethane	8.50	97	2167	23.935	ug/l #	84
56) Ethyl methacrylate	8.63	69	835	7.733	ug/l #	68
57) 1,3-Dichloropropane	8.86	76	3086	20.537	ug/l #	88
58) 2-Chloroethyl Vinyl ether	7.29	63	805	49.133	ug/l #	48
59) 2-Hexanone	9.50	43	85	1.595	ug/l #	22
60) Dibromochloromethane	8.72	129	2747	21.826	ug/l	64
61) 1,2-Dibromoethane	8.99	107	1968	20.375	ug/l	91
64) Tetrachloroethene	8.15	164	10977	121.865	ug/l	82
65) Chlorobenzene	9.80	112	17545	80.427	ug/l	92
66) 1,1,1,2-Tetrachloroethane	9.93	131	4753	54.241	ug/l	85
67) Ethyl Benzene	9.91	91	33850	89.225	ug/l	100
68) m/p-Xylenes	10.13	106	23263	164.059	ug/l	88
69) o-Xylene	10.72	106	8857	59.639	ug/l	85
70) Styrene	10.79	104	8882	39.473	ug/l	98
71) Bromoform	10.77	173	943	21.040	ug/l #	96
73) Isopropylbenzene	11.13	105	39036	163.163	ug/l	91
74) N-amyl acetate	11.41	43	89	1.561	ug/l #	26
75) 1,1,2,2-Tetrachloroethane	11.70	83	2374	57.791	ug/l	73
76) 1,2,3-Trichloropropane	11.79	75	1529	52.889	ug/l	81
77) Bromobenzene	11.50	156	3540	60.563	ug/l	83
78) n-propylbenzene	11.59	91	42252	152.090	ug/l	92
79) 2-Chlorotoluene	11.72	91	16090	104.202	ug/l	98
80) 1,3,5-Trimethylbenzene	11.83	105	22669	115.194	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.90	75	686	58.234	ug/l #	1
82) 4-Chlorotoluene	11.90	91	14054	88.768	ug/l	93
83) tert-Butylbenzene	12.14	119	27930	135.581	ug/l	85
84) 1,2,4-Trimethylbenzene	12.20	105	17615	91.309	ug/l	96
85) sec-Butylbenzene	12.31	105	40466	151.844	ug/l	96
86) p-Isopropyltoluene	12.46	119	29596	128.184	ug/l	95
87) 1,3-Dichlorobenzene	12.47	146	8142	74.975	ug/l	88
88) 1,4-Dichlorobenzene	12.57	146	8982	84.762	ug/l	96
89) n-Butylbenzene	12.85	91	22805	103.528	ug/l	91
90) Hexachloroethane	12.91	117	5908	107.463	ug/l	88
91) 1,2-Dichlorobenzene	12.94	146	9754	95.655	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	13.64	75	98	15.745	ug/l #	51
93) 1,2,4-Trichlorobenzene	14.20	180	1411	19.854	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.20	225	3232	68.397	µg/l	84
95) Naphthalene	14.46	128	131	1.052	µg/l #	70
96) 1,2,3-Trichlorobenzene	14.61	180	482	7.246	µg/l	67

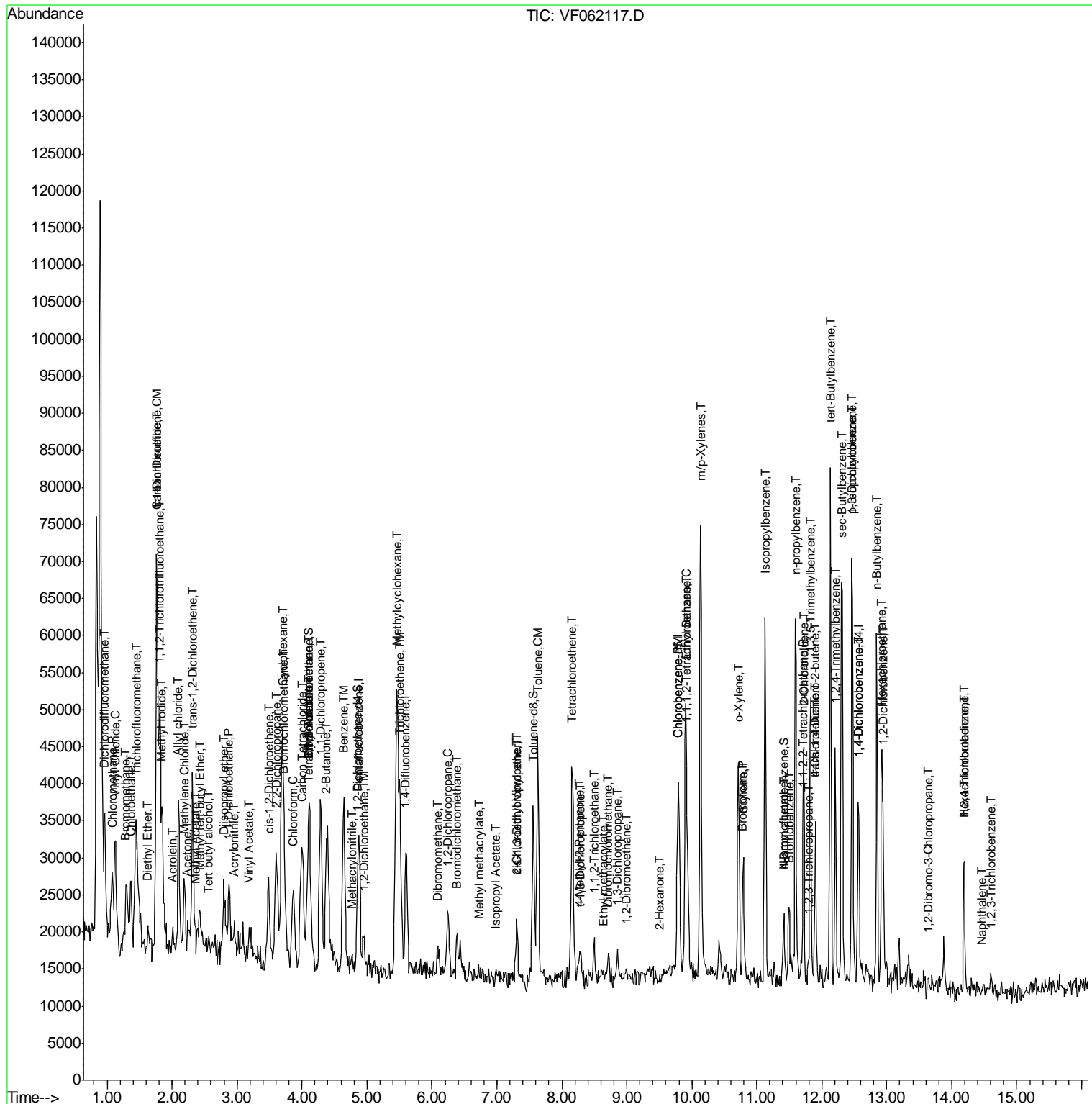
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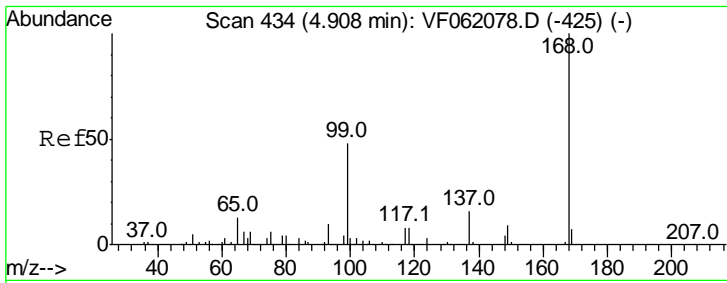
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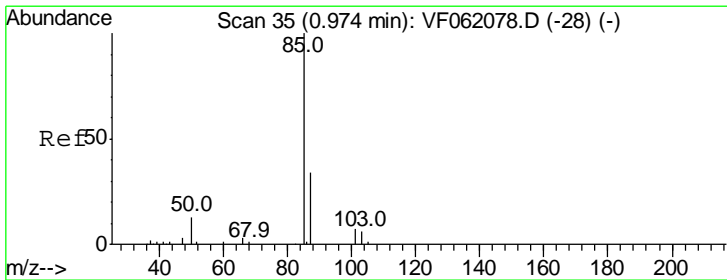
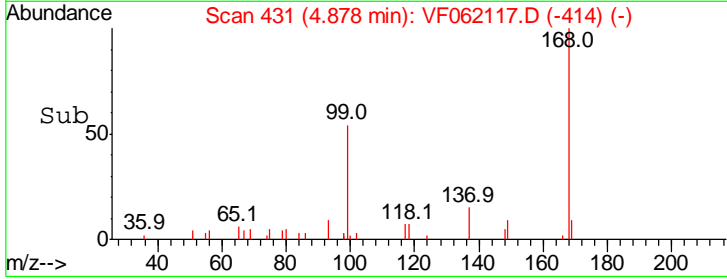
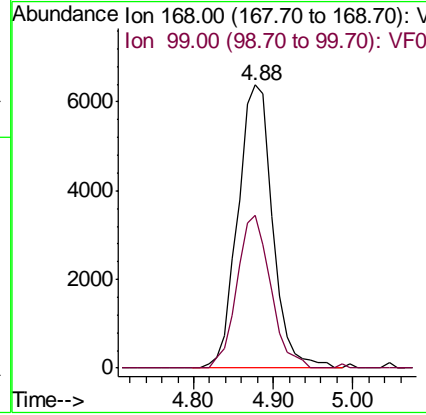
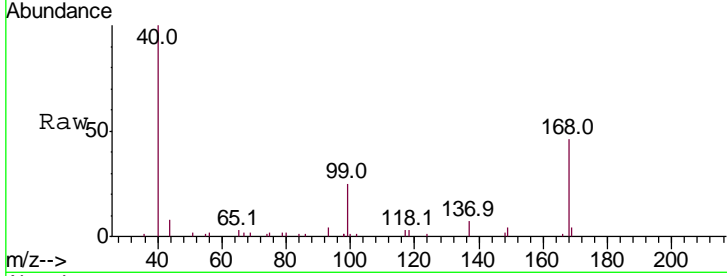
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 4.88 min Scan# 431
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

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 ClientSampled : WP022SB439-190318-(13-14)MS

Tgt Ion	Resp	Lower	Upper
168	100		
99	53.8	38.2	57.4

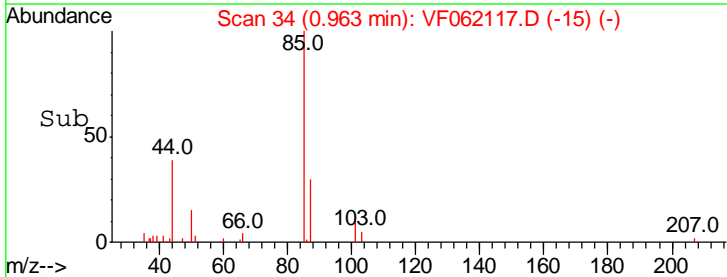
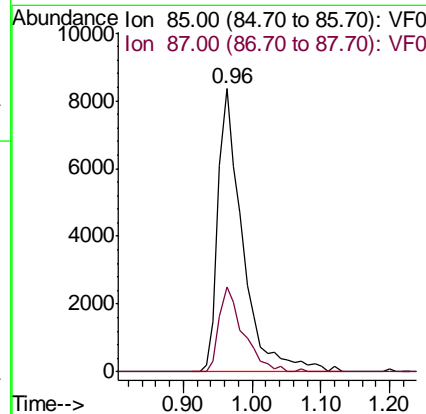
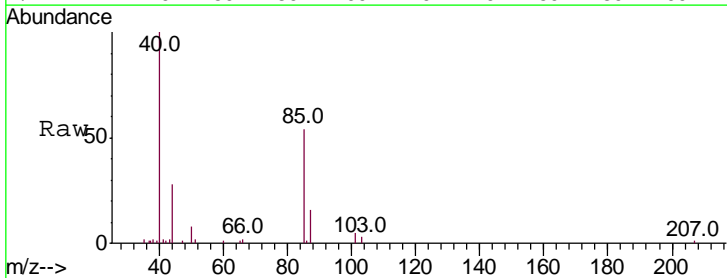
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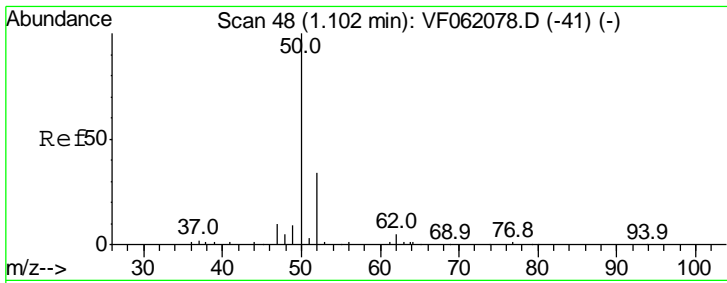
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#2
 Dichlorodifluoromethane
 Concen: 83.934 ug/l
 RT: 0.96 min Scan# 34
 Delta R.T. -0.01 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
85	100		
87	29.9	17.0	51.0





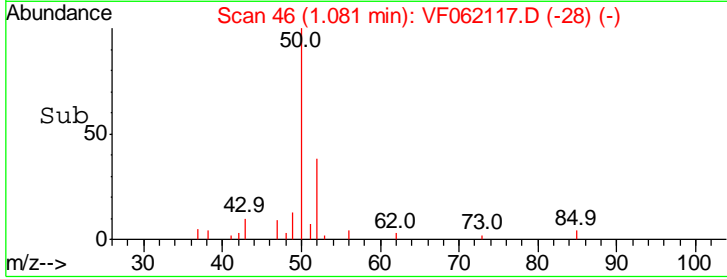
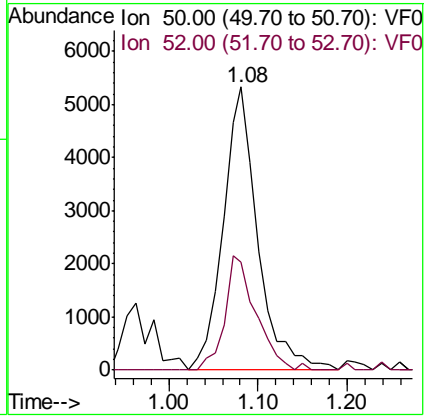
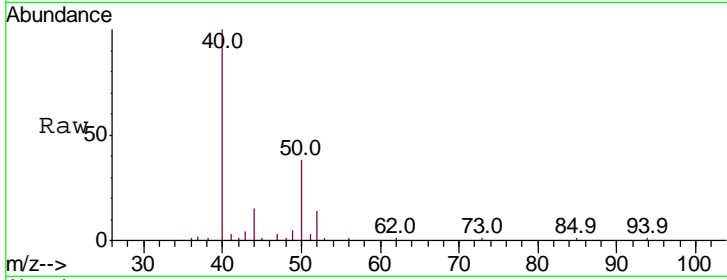
#3
 Chloromethane
 Concen: 55.853 ug/l
 RT: 1.08 min Scan# 46
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument :
 MSVOA_F
ClientSampled :
 WP022SB439-190318-(13-14)MS

Tgt Ion: 50 Resp: 14434

Ion	Ratio	Lower	Upper
50	100		
52	38.1	26.1	39.1

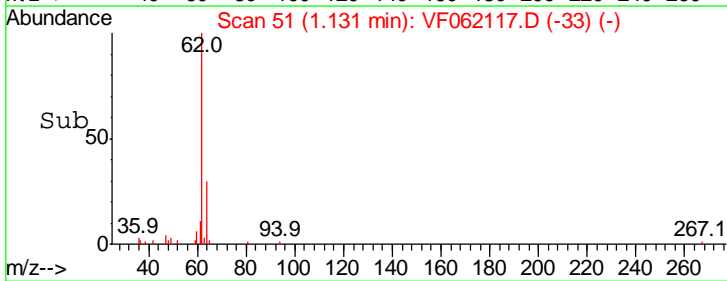
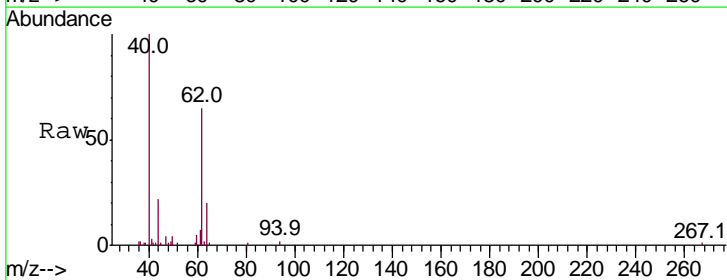
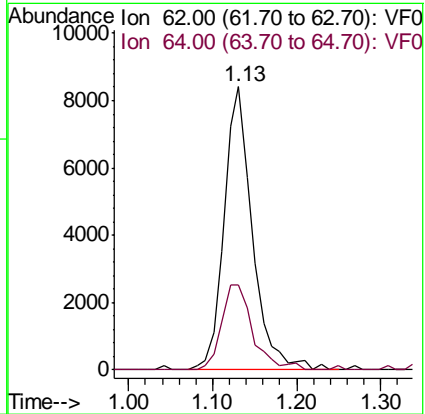
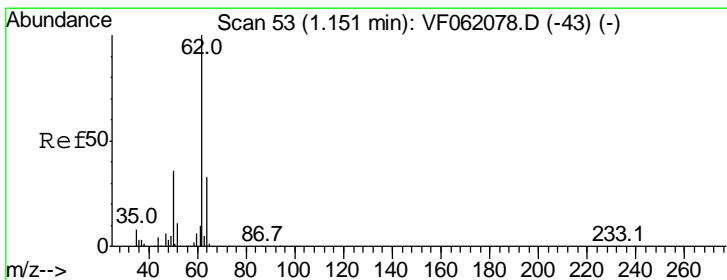
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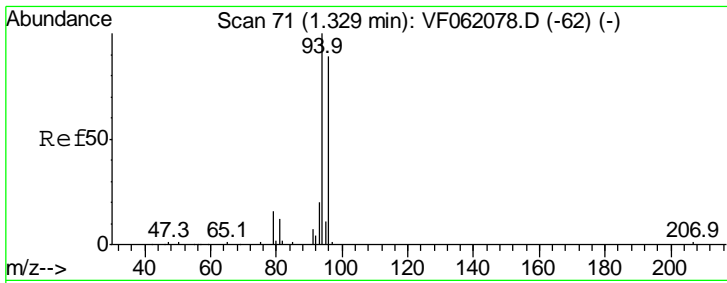


#4
 Vinyl Chloride
 Concen: 82.141 ug/l
 RT: 1.13 min Scan# 51
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion: 62 Resp: 19635

Ion	Ratio	Lower	Upper
62	100		
64	30.0	26.2	39.2



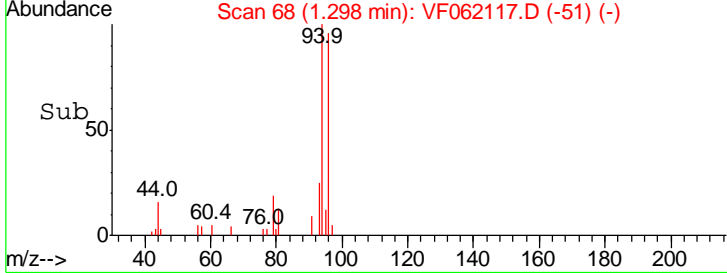
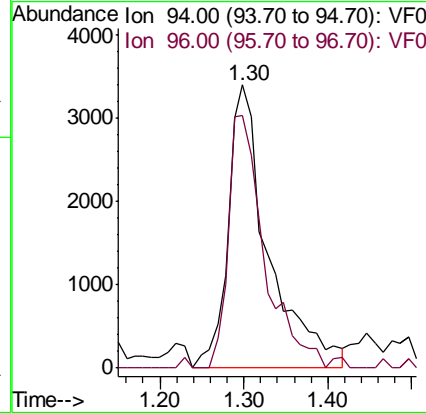
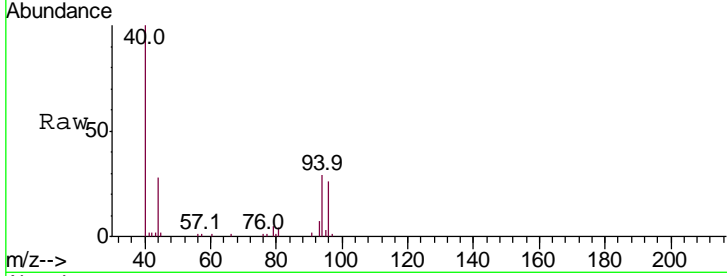


#5
 Bromomethane
 Concen: 65.710 ug/l
 RT: 1.30 min Scan# 68
 Delta R.T. -0.03 min
 Lab File: VF062117.D
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Tgt Ion	Resp	Lower	Upper
94	100		
96	89.2	70.9	106.3

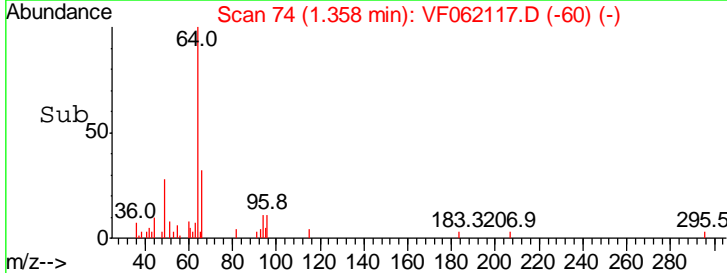
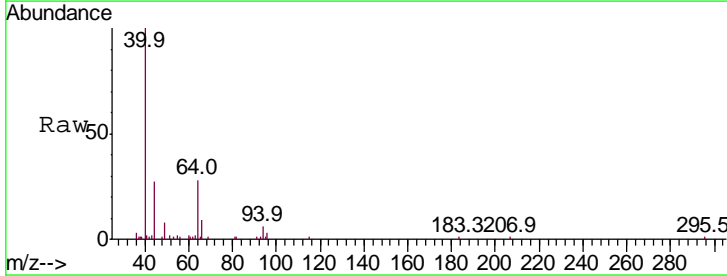
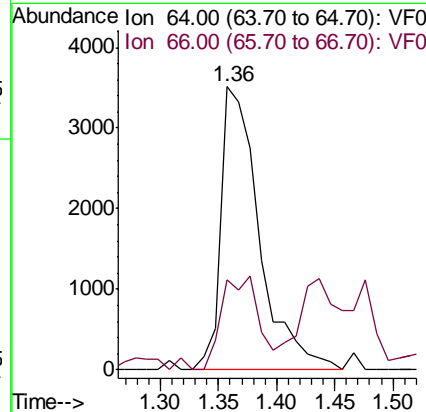
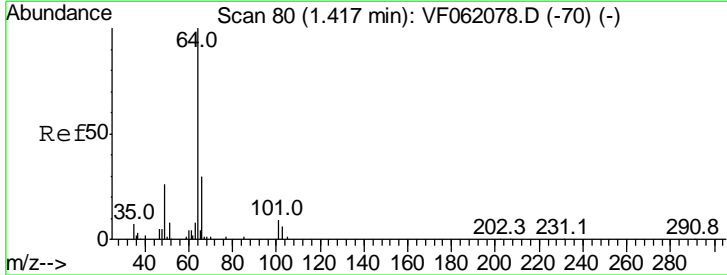
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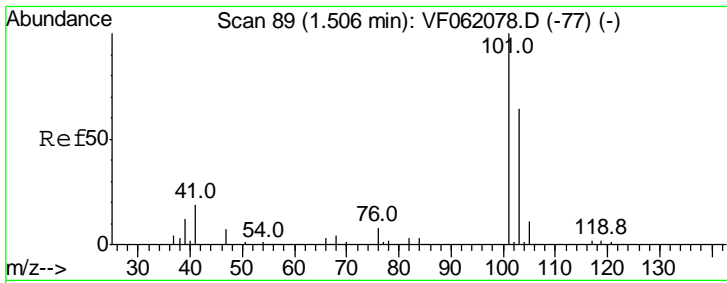
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#6
 Chloroethane
 Concen: 66.881 ug/l
 RT: 1.36 min Scan# 74
 Delta R.T. -0.06 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
64	100		
66	32.0	24.5	36.7



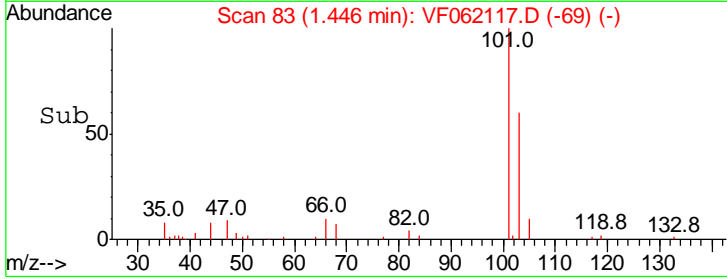
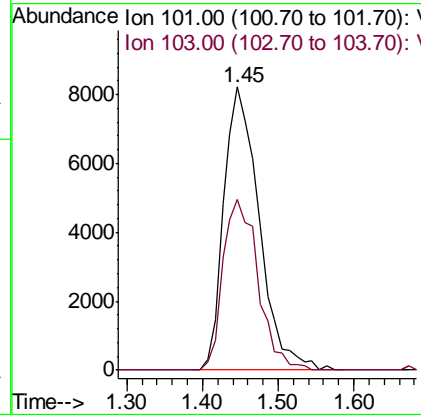
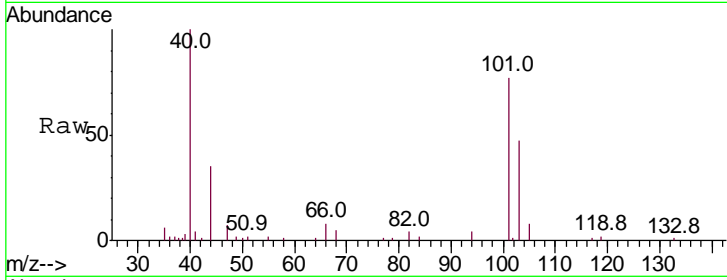


#7
 Trichlorofluoromethane
 Concen: 92.169 ug/l
 RT: 1.45 min Scan# 83
 Delta R.T. -0.06 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

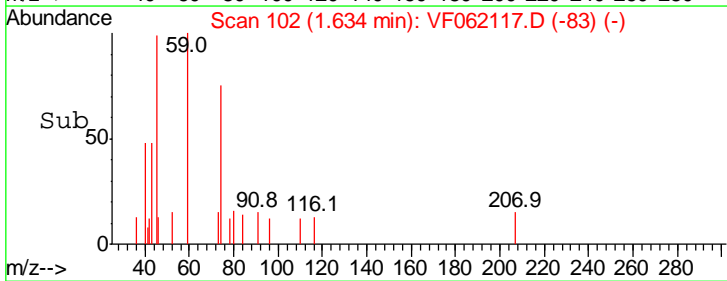
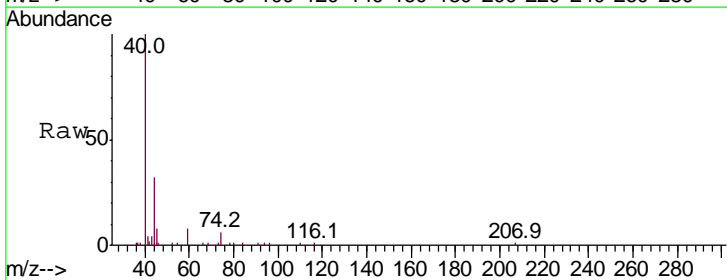
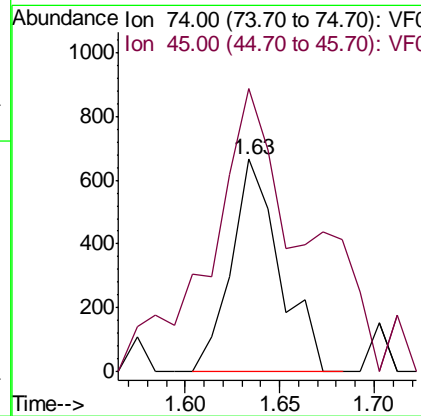
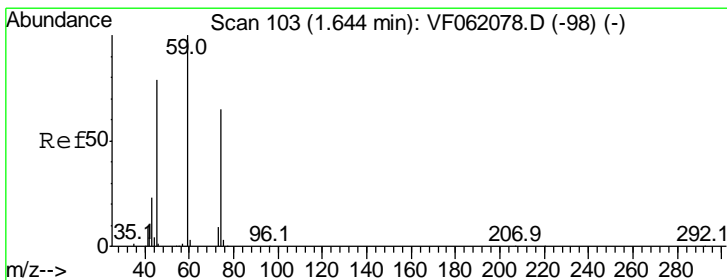
Tgt Ion	Resp	Lower	Upper
101	100		
103	60.3	51.5	77.3

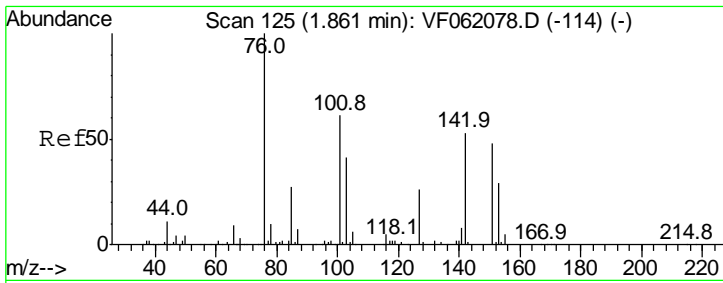
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#8
 Diethyl Ether
 Concen: 17.863 ug/l
 RT: 1.63 min Scan# 102
 Delta R.T. -0.01 min
 Lab File: VF062117.D
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Tgt Ion	Resp	Lower	Upper
74	100		
45	133.2	61.4	184.2



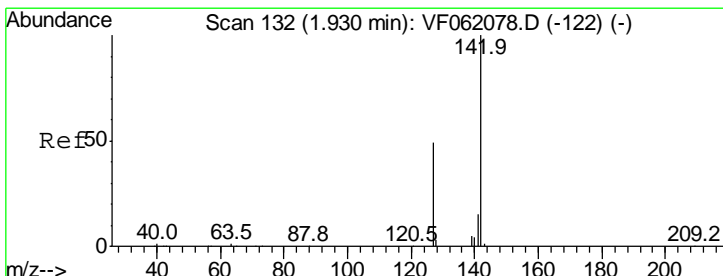
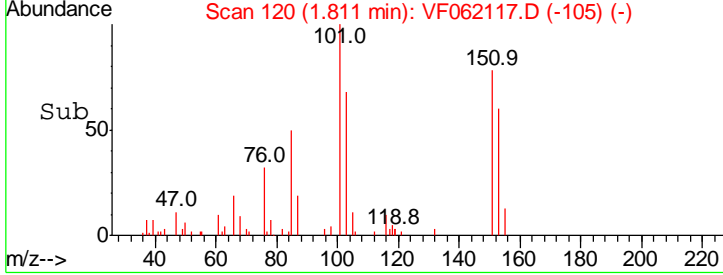
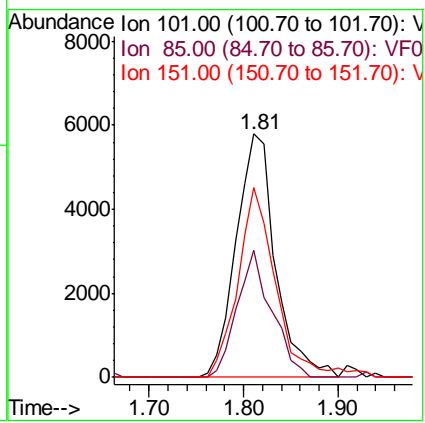
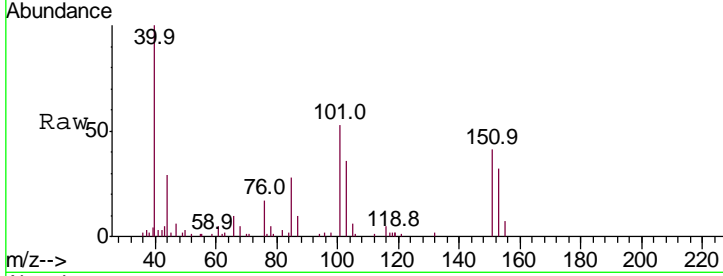


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 85.005 ug/l
 RT: 1.81 min Scan# 120
 Delta R.T. -0.05 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 Client Sampled : WP022SB439-190318-(13-14)MS

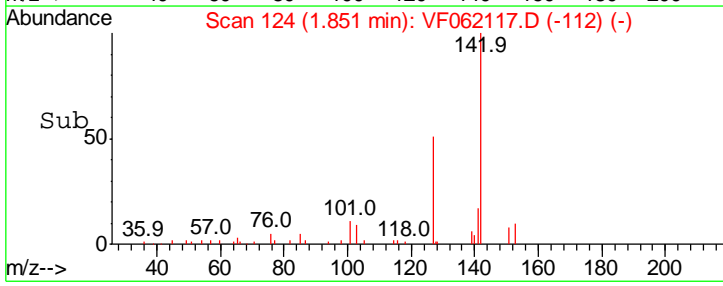
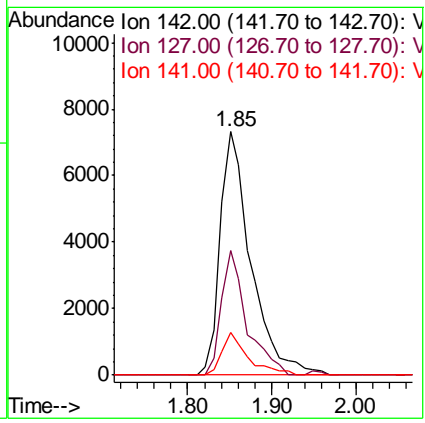
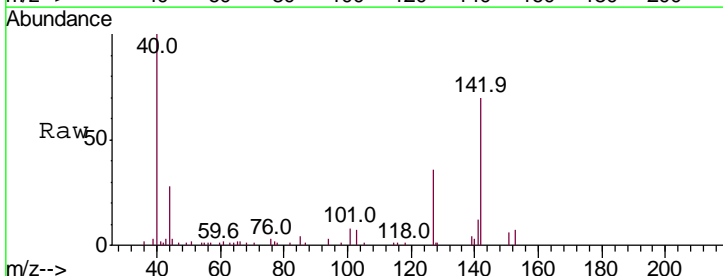
Tgt Ion	Resp	Lower	Upper
101	100		
85	52.3	34.6	52.0#
151	78.0	61.7	92.5

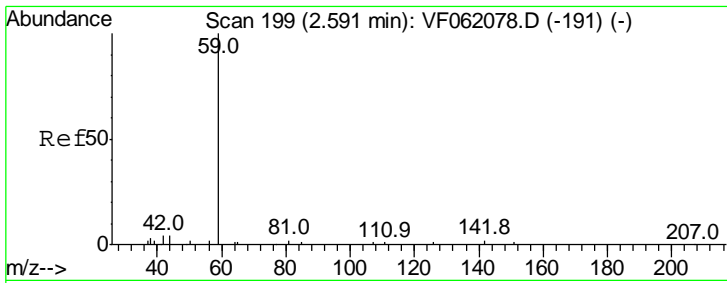
Manual Integrations
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#10
 Methyl Iodide
 Concen: 49.798 ug/l
 RT: 1.85 min Scan# 124
 Delta R.T. -0.08 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

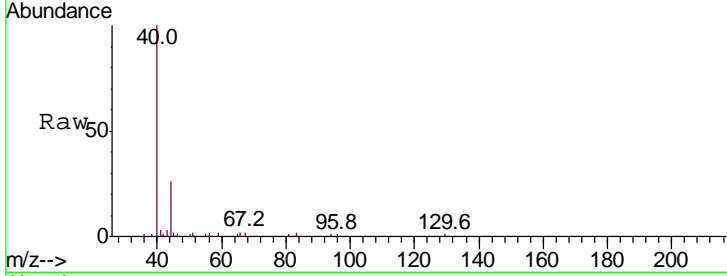
Tgt Ion	Resp	Lower	Upper
142	100		
127	51.3	39.1	58.7
141	17.3	12.2	18.4





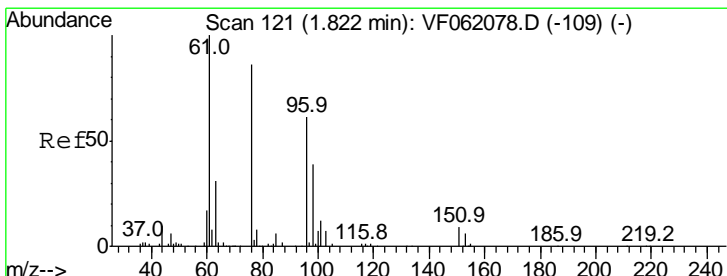
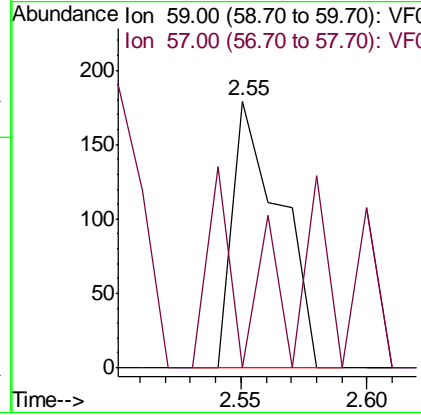
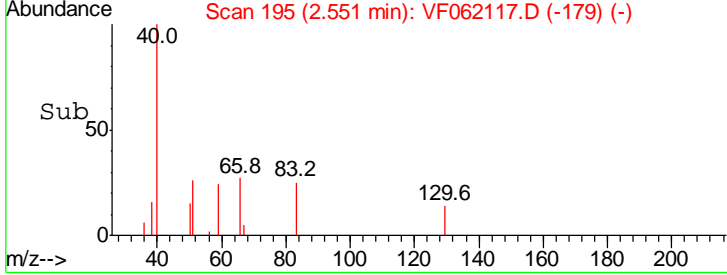
#11
 Tert butyl alcohol
 Concen: 29.784 ug/l
 RT: 2.55 min Scan# 195
 Delta R.T. -0.04 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

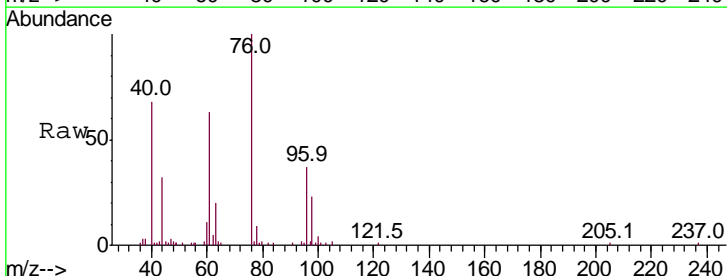


Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	11.0	16.4#

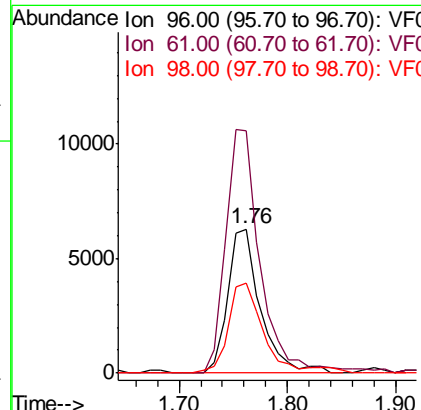
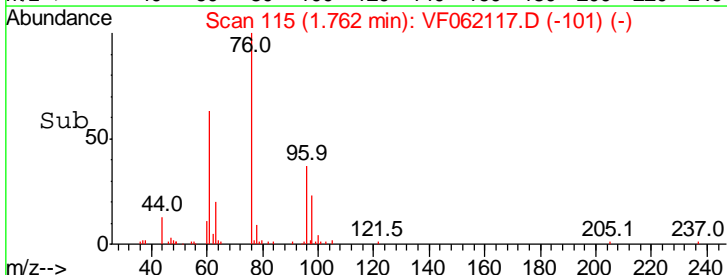
Manual Integrations
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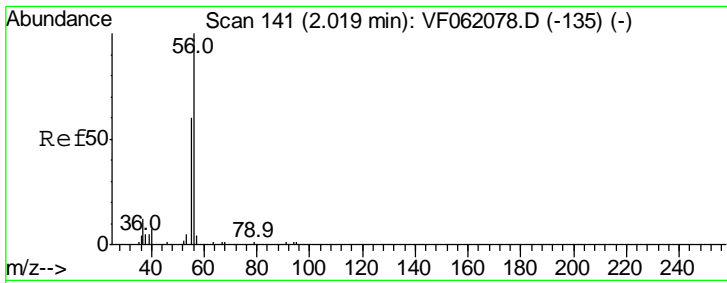


#12
 1,1-Dichloroethene
 Concen: 71.429 ug/l
 RT: 1.76 min Scan# 115
 Delta R.T. -0.06 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10



Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.4	131.0	196.6
98	62.8	51.5	77.3





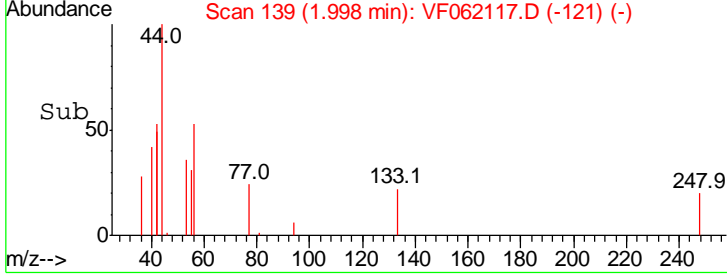
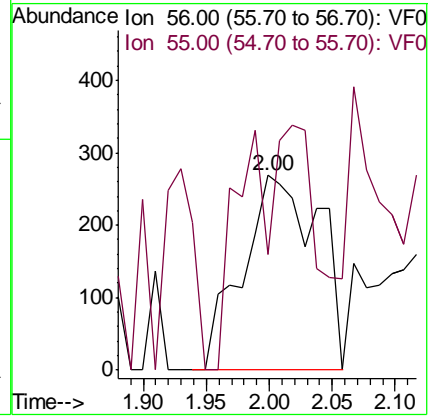
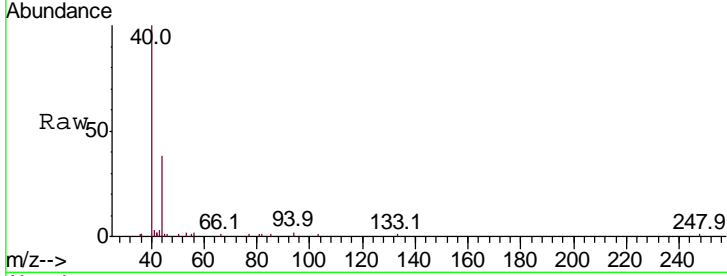
#13
 Acrolein
 Concen: 118.573 ug/l
 RT: 2.00 min Scan# 139
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampleID : WP022SB439-190318-(13-14)MS

Tgt Ion: 56 Resp: 1125

Ion	Ratio	Lower	Upper
56	100		
55	59.1	49.0	73.4

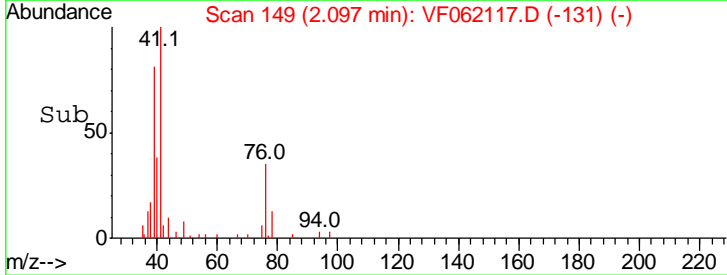
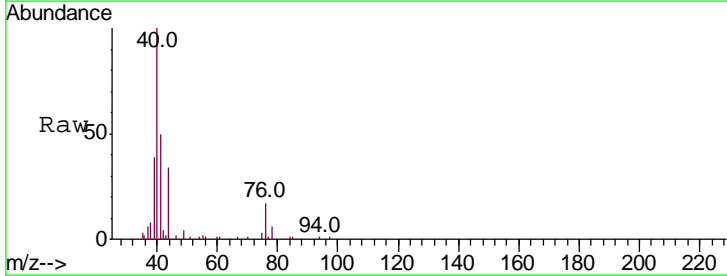
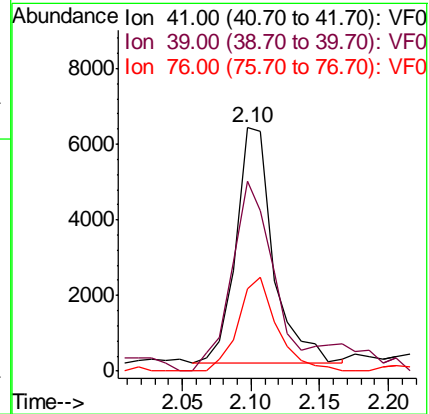
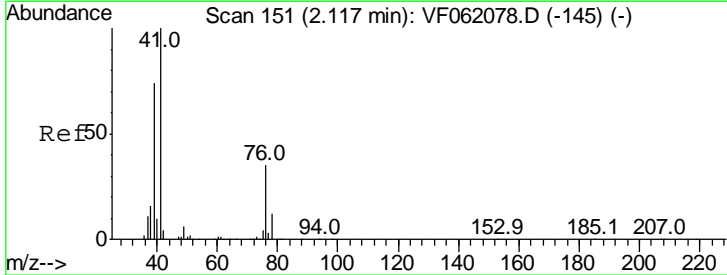
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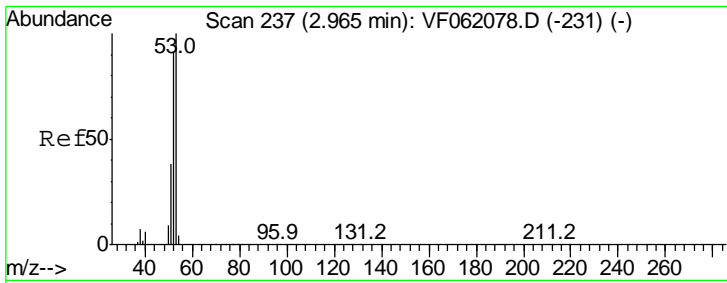


#14
 Allyl chloride
 Concen: 59.806 ug/l
 RT: 2.10 min Scan# 149
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion: 41 Resp: 11866

Ion	Ratio	Lower	Upper
41	100		
39	78.1	59.8	89.8
76	33.9	30.0	45.0





#15
 Acrylonitrile
 Concen: 81.708 ug/l
 RT: 2.95 min Scan# 236
 Delta R.T. -0.01 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

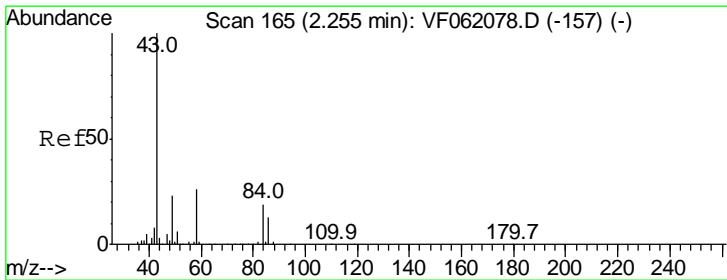
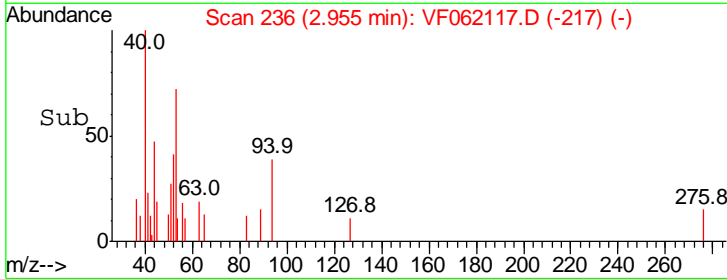
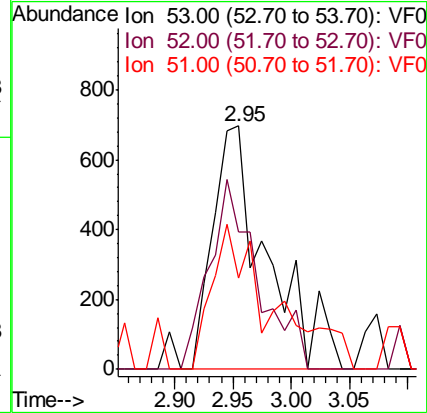
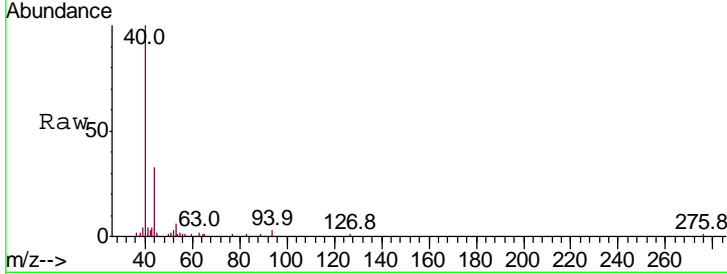
Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

Tgt Ion: 53 Resp: 2267

Ion	Ratio	Lower	Upper
53	100		
52	56.5	72.3	108.5#
51	37.4	30.4	45.6

Manual Integrations
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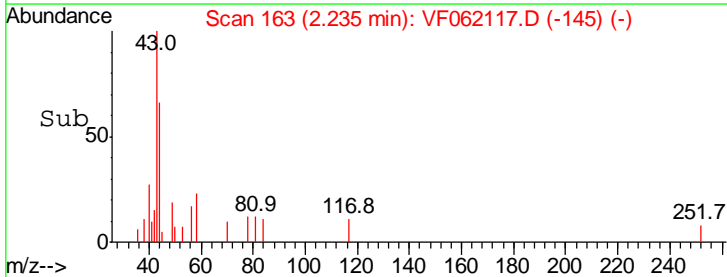
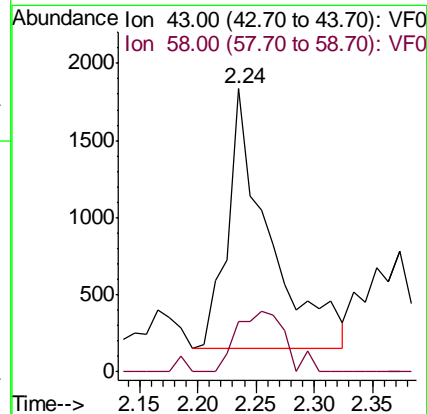
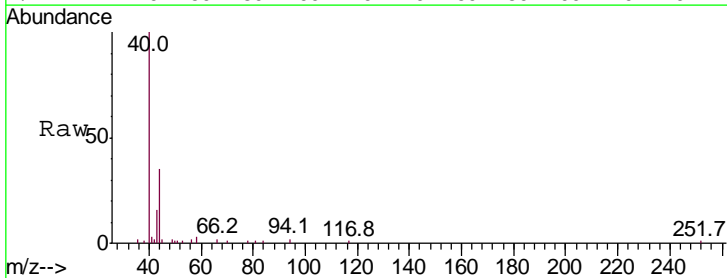
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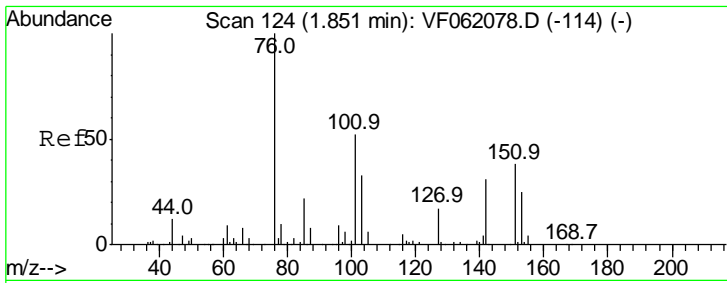


#16
 Acetone
 Concen: 136.545 ug/l
 RT: 2.24 min Scan# 163
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion: 43 Resp: 4121

Ion	Ratio	Lower	Upper
43	100		
58	18.0	20.8	31.2#



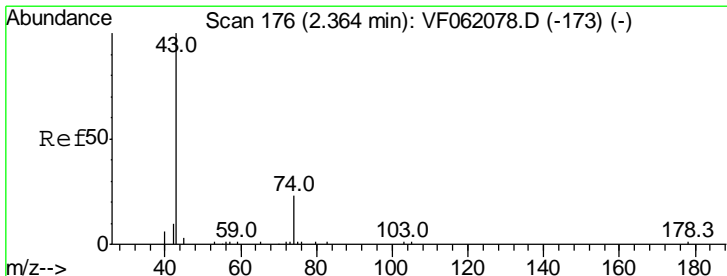
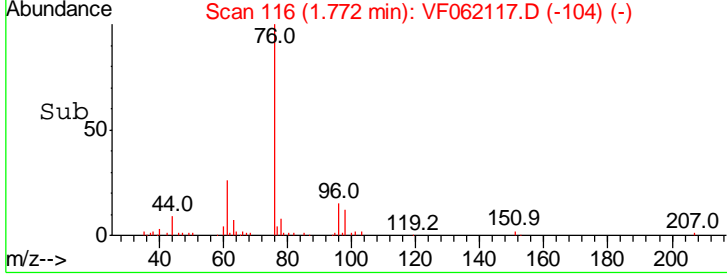
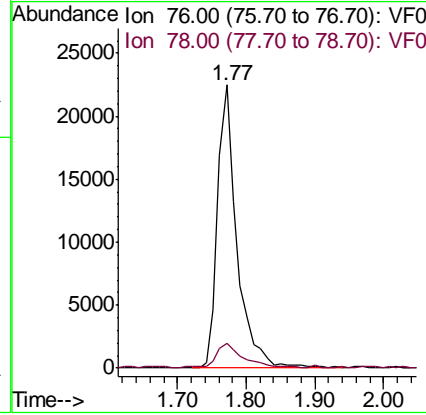
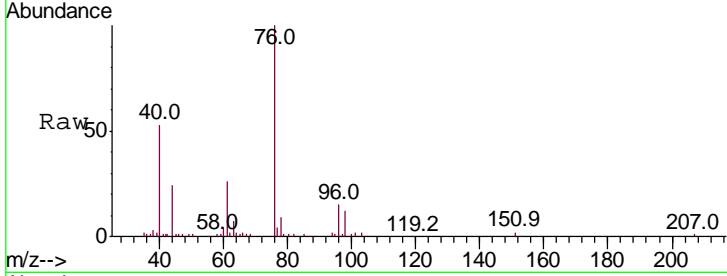


#17
 Carbon Disulfide
 Concen: 77.500 ug/l
 RT: 1.77 min Scan# 116
 Delta R.T. -0.08 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

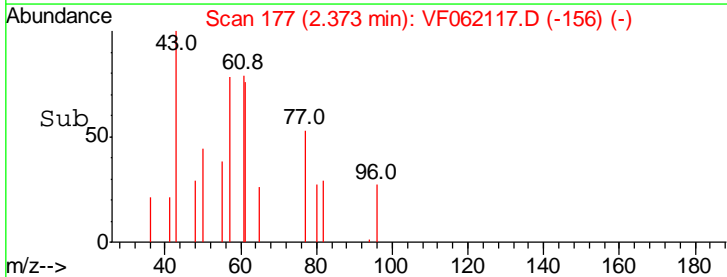
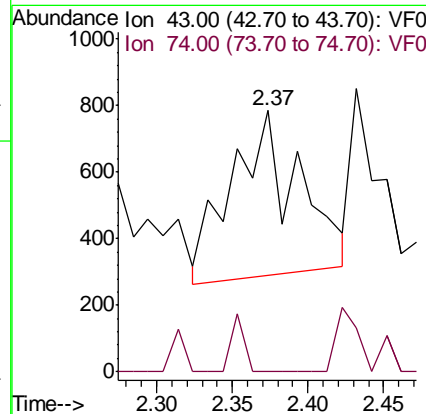
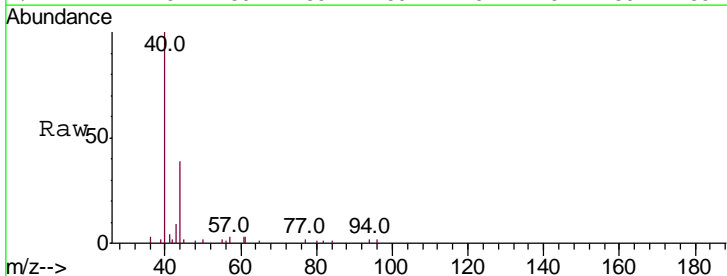
Tgt Ion	Resp	Lower	Upper
76	100		
78	8.9	7.9	11.9

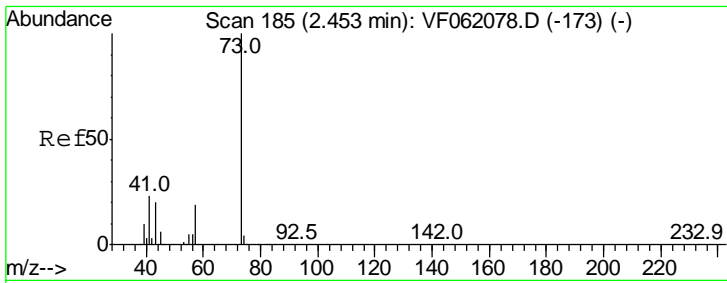
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#18
 Methyl Acetate
 Concen: 21.336 ug/l
 RT: 2.37 min Scan# 177
 Delta R.T. 0.01 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
43	100		
74	0.0	16.3	24.5#





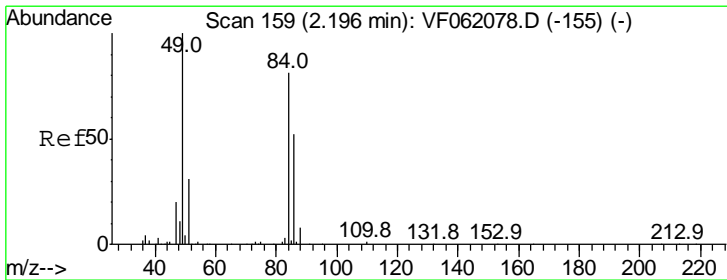
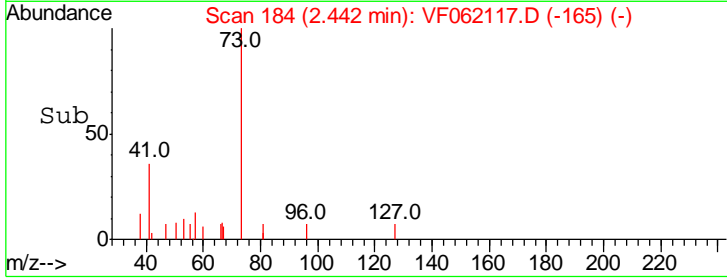
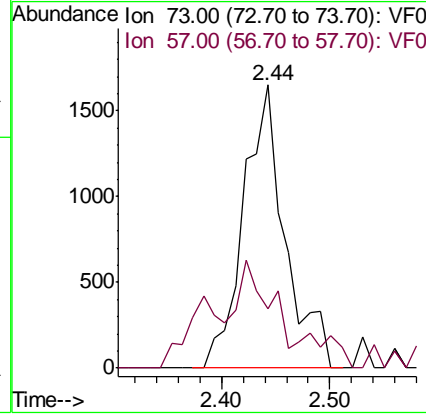
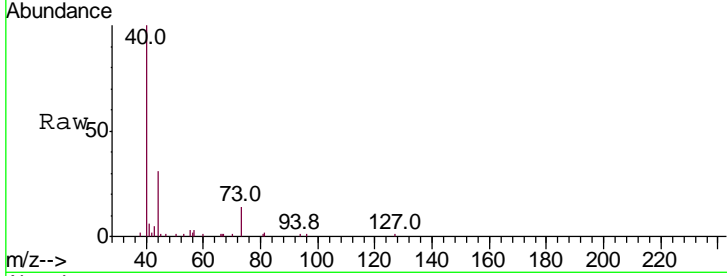
#19
 Methyl tert-butyl Ether
 Concen: 15.083 ug/l
 RT: 2.44 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument :
 MSVOA_F
ClientSampled :
 WP022SB439-190318-(13-14)MS

Tgt Ion	Resp	Lower	Upper
73	100		
57	20.8	15.1	22.7

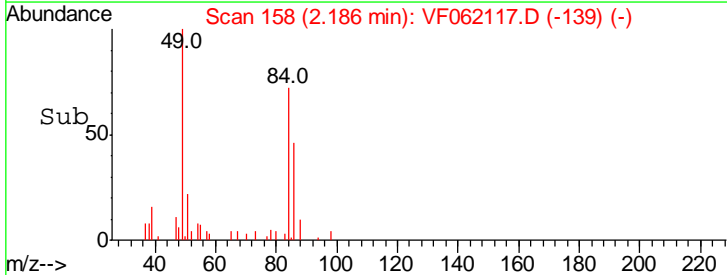
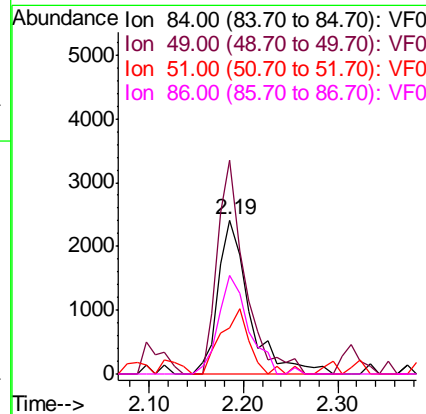
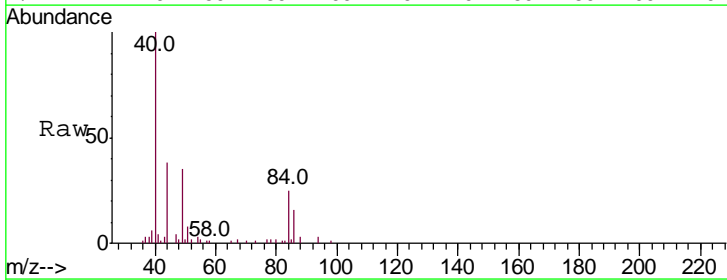
Manual Integrations
APPROVED

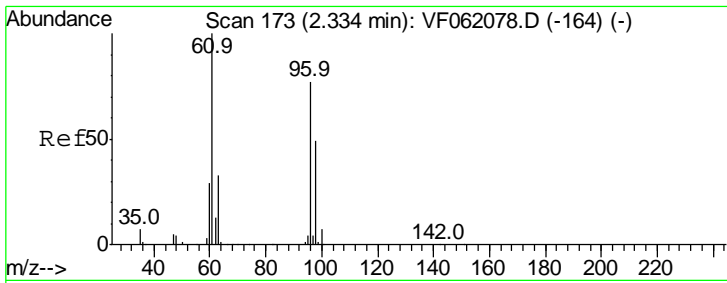
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#20
 Methylene Chloride
 Concen: 29.299 ug/l
 RT: 2.19 min Scan# 158
 Delta R.T. -0.01 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
84	100		
49	138.9	100.4	150.6
51	30.2	31.0	46.6#
86	64.5	51.3	76.9





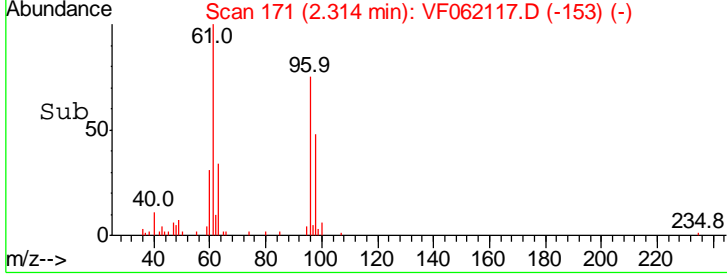
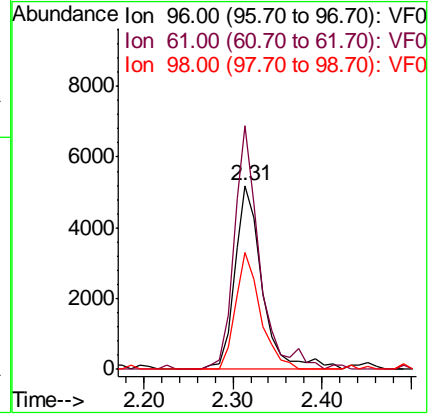
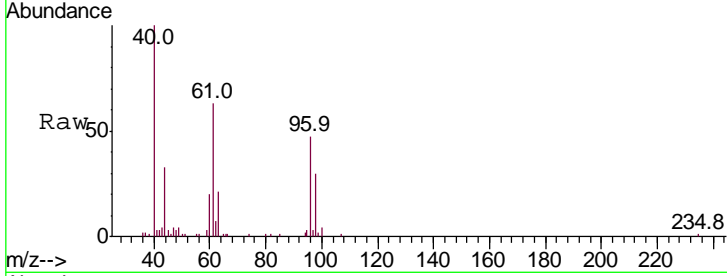
#21
 trans-1,2-Dichloroethene
 Concen: 62.342 ug/l
 RT: 2.31 min Scan# 171
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument :
 MSVOA_F
ClientSampled :
 WP022SB439-190318-(13-14)MS

Tgt Ion	Resp	Lower	Upper
96	11147		
96	100		
61	132.5	104.5	156.7
98	63.9	51.2	76.8

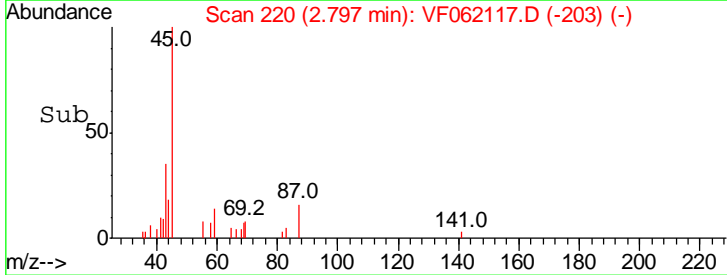
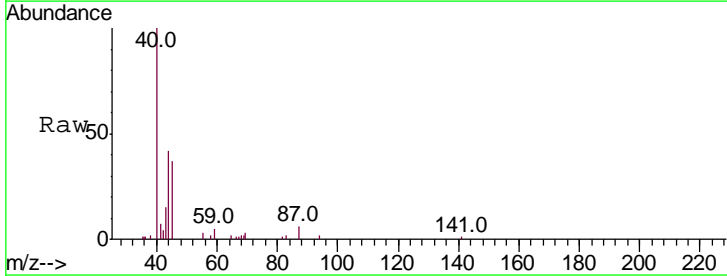
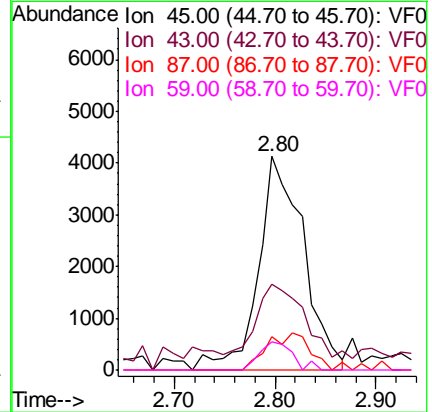
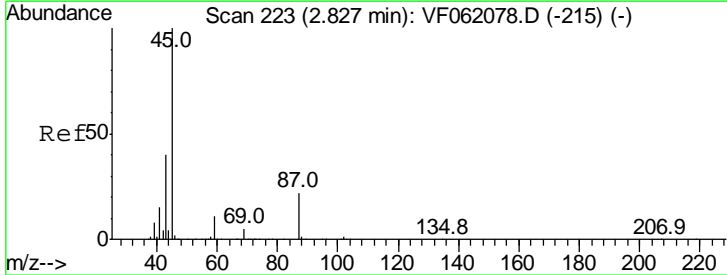
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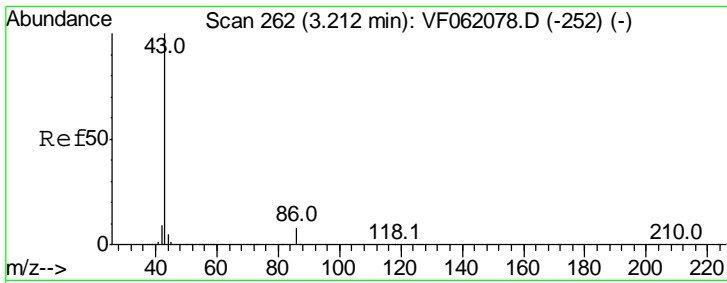
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#22
 Diisopropyl ether
 Concen: 24.737 ug/l
 RT: 2.80 min Scan# 220
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
45	12868		
45	100		
43	39.9	32.5	48.7
87	15.4	17.4	26.2#
59	13.4	8.6	12.8#



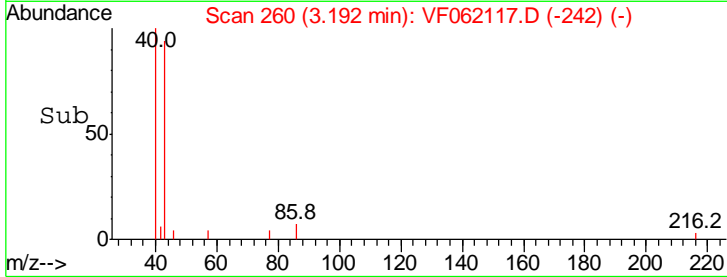
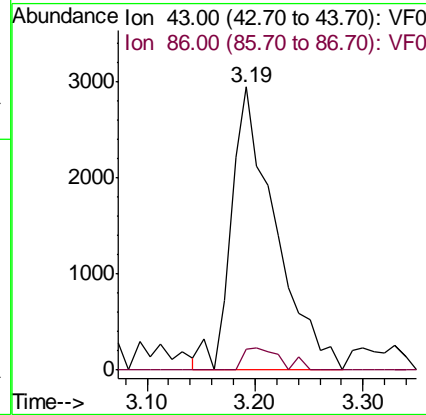
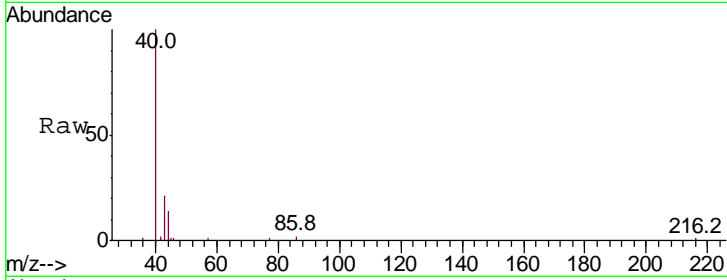


#23
 Vinyl Acetate
 Concen: 39.107 ug/l
 RT: 3.19 min Scan# 260
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.8	10.2

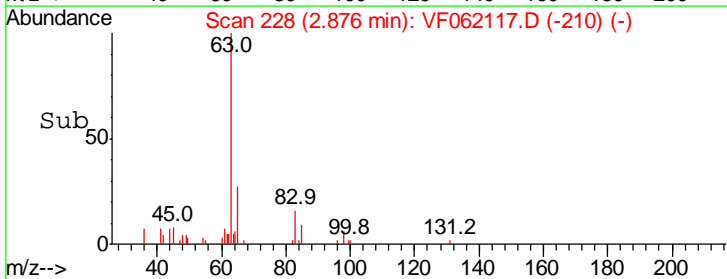
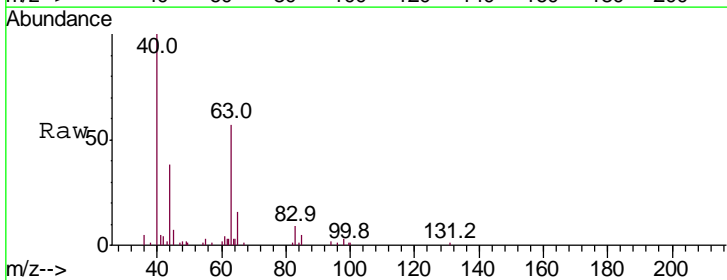
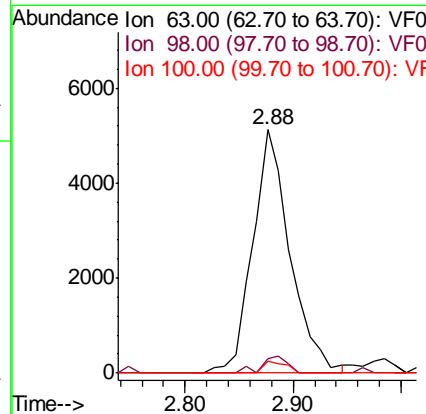
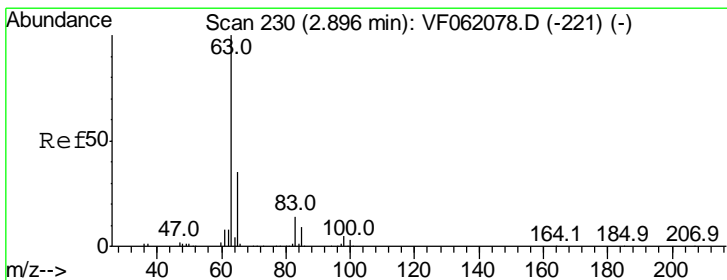
Instrument : MSVOA_F
 ClientSampleId : WP022SB439-190318-(13-14)MS

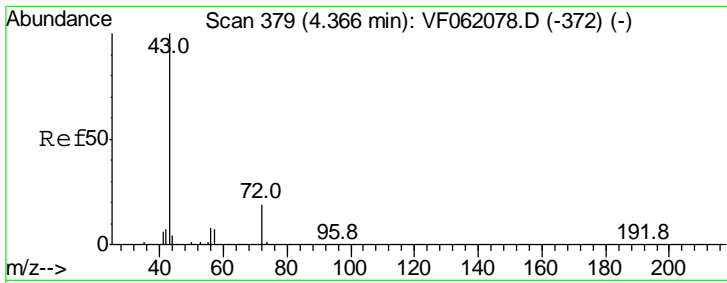
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#24
 1,1-Dichloroethane
 Concen: 39.689 ug/l
 RT: 2.88 min Scan# 228
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.7	8.1
100	4.6	1.7	5.1





#25
 2-Butanone
 Concen: 109.593 ug/l
 RT: 4.37 min Scan# 380
 Delta R.T. 0.01 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

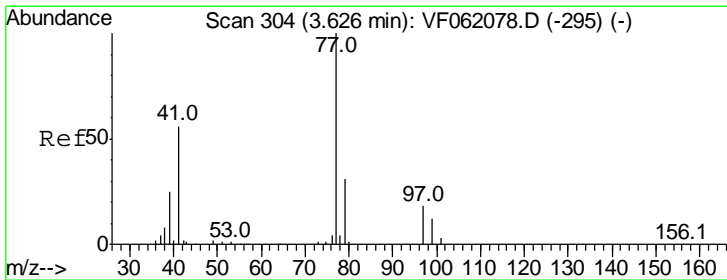
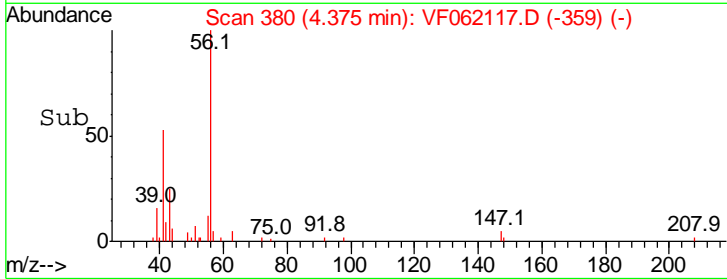
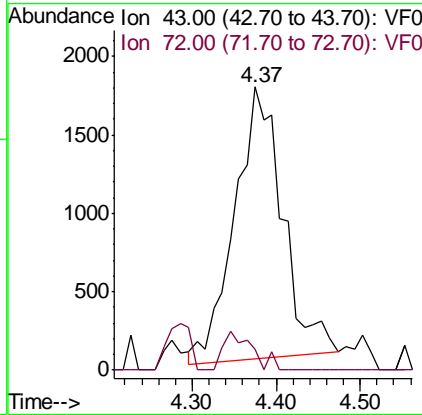
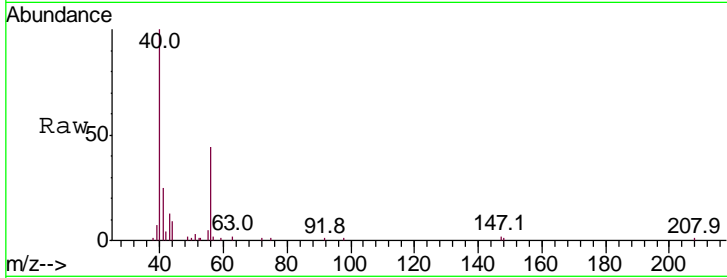
Instrument :
 MSVOA_F
 ClientSampled :
 WP022SB439-190318-(13-14)MS

Tgt Ion: 43 Resp: 6905

Ion	Ratio	Lower	Upper
43	100		
72	7.3	16.7	25.1#

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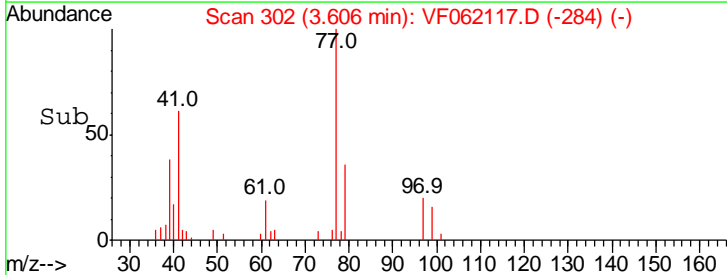
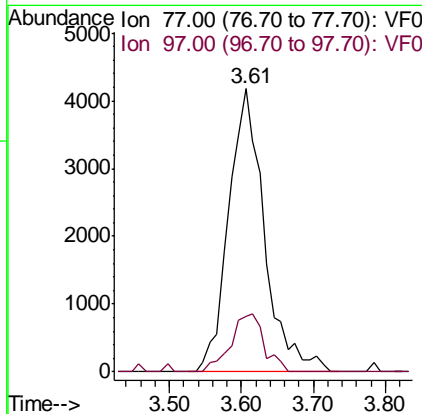
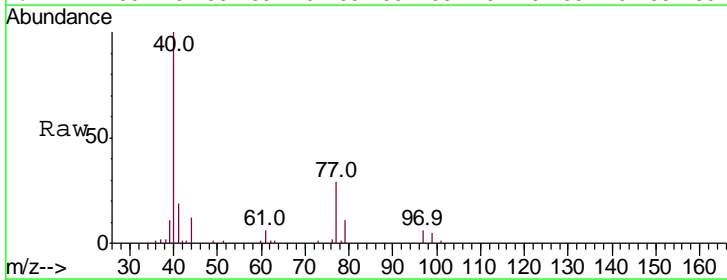
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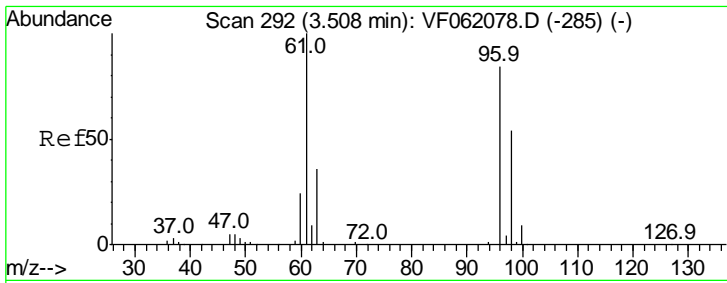


#26
 2,2-Dichloropropane
 Concen: 114.072 ug/l
 RT: 3.61 min Scan# 302
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion: 77 Resp: 14428

Ion	Ratio	Lower	Upper
77	100		
97	19.7	10.3	30.9



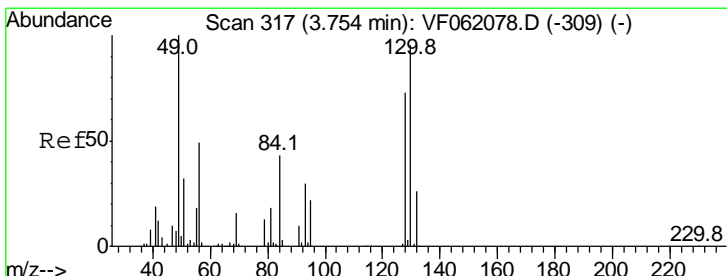
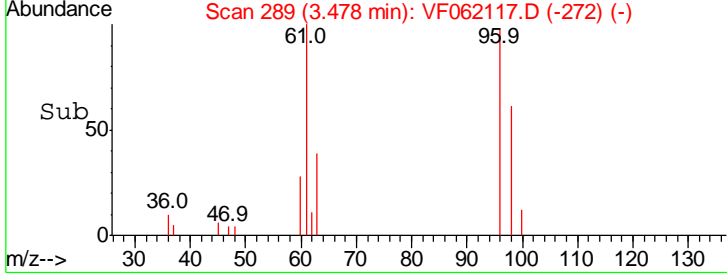
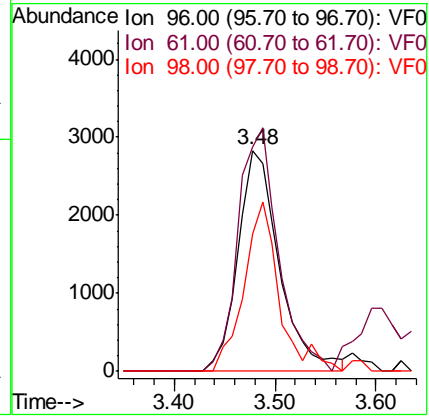
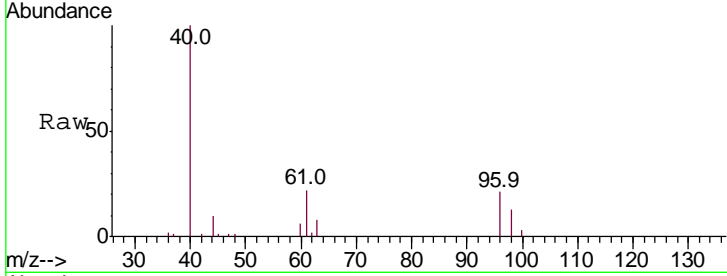


#27
 cis-1,2-Dichloroethene
 Concen: 34.169 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

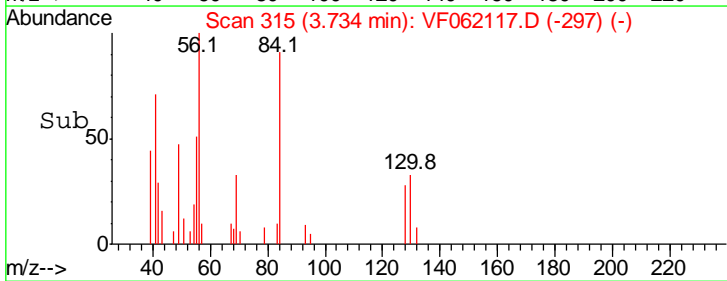
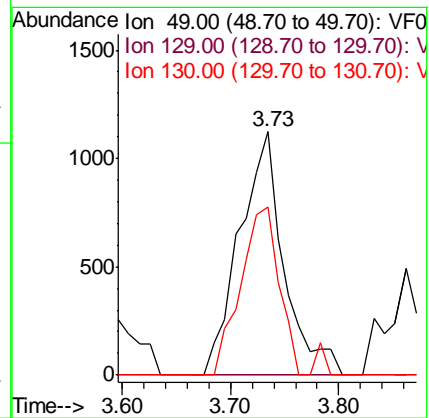
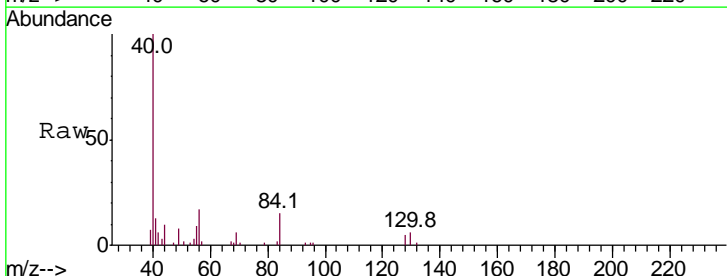
Tgt Ion	Ratio	Lower	Upper
96	100		
61	101.9	0.0	239.0
98	62.0	0.0	128.2

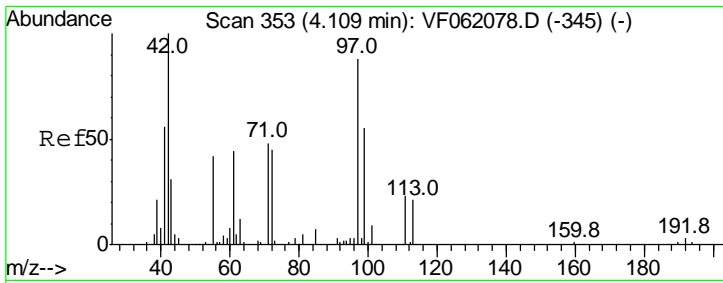
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#28
 Bromochloromethane
 Concen: 25.115 ug/l
 RT: 3.73 min Scan# 315
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.6
130	69.0	75.5	113.3#





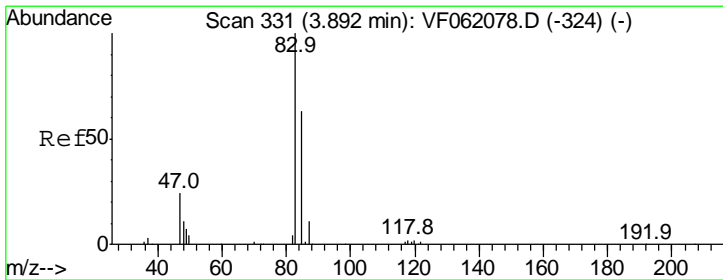
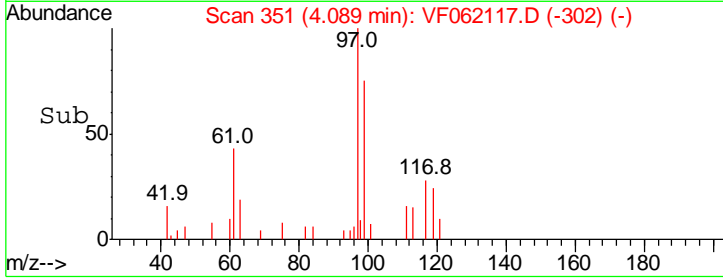
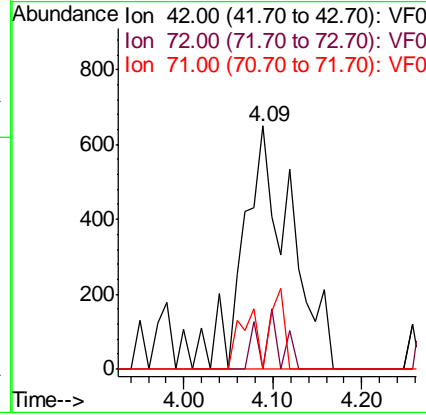
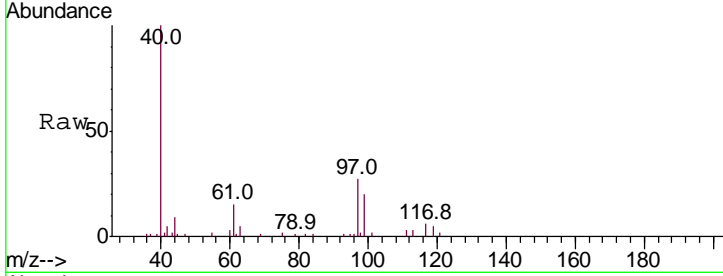
#29
 Tetrahydrofuran
 Concen: 88.596 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

Tgt Ion	Ratio	Lower	Upper
42	100		
72	6.4	33.3	49.9#
71	9.0	35.0	52.4#

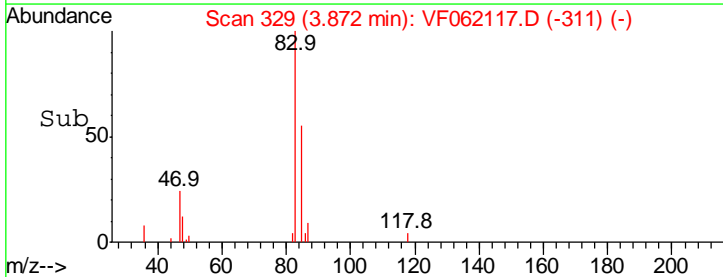
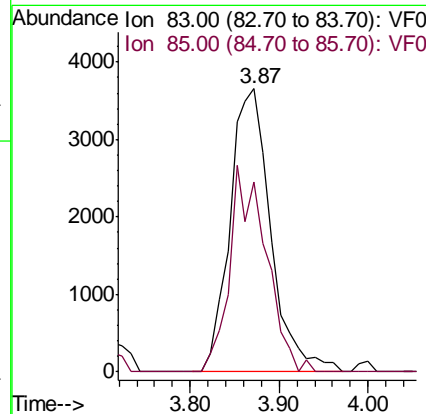
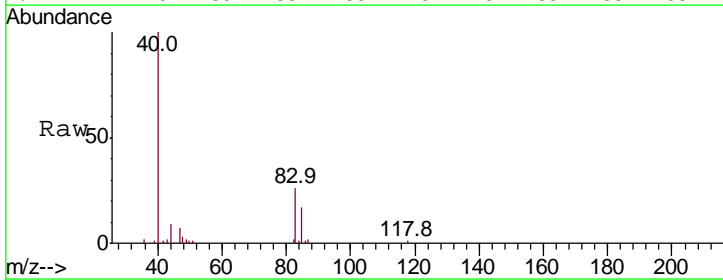
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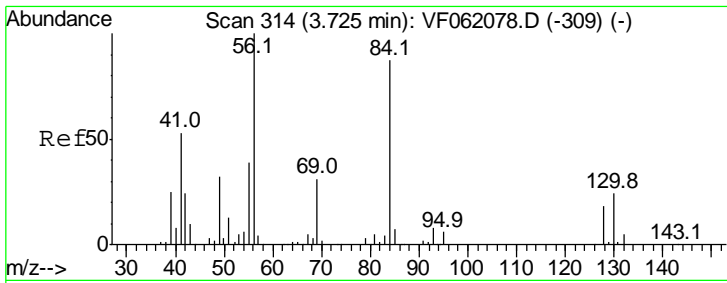
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 3/25/2019 12:40:30 PM



#30
 Chloroform
 Concen: 35.447 ug/l
 RT: 3.87 min Scan# 329
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.5	77.3





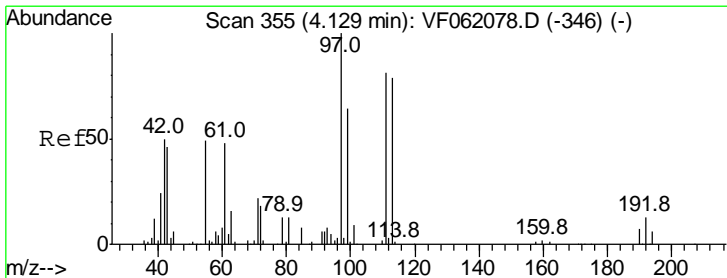
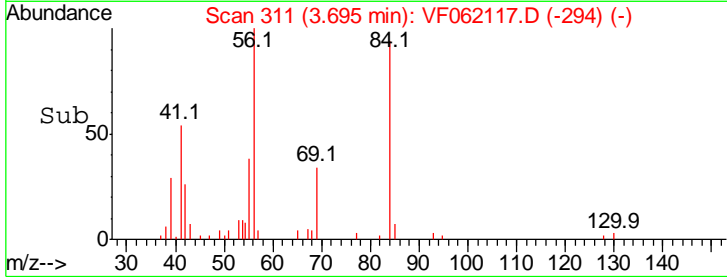
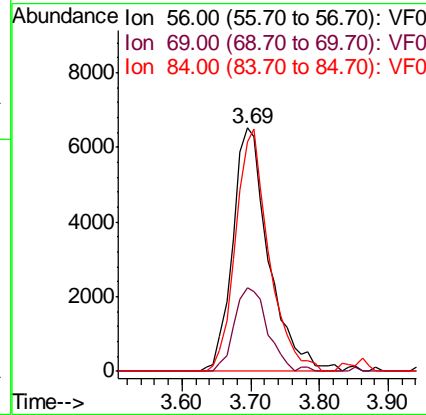
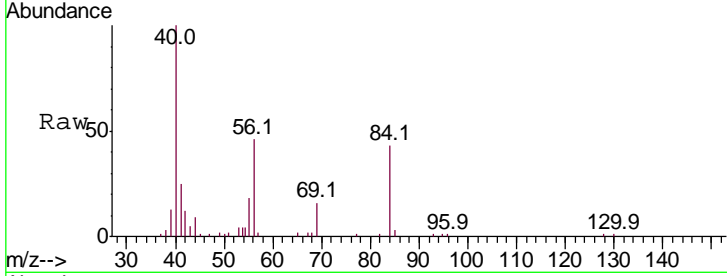
#31
 Cyclohexane
 Concen: 72.762 ug/l
 RT: 3.69 min Scan# 311
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument :
 MSVOA_F
ClientSampled :
 WP022SB439-190318-(13-14)MS

Tgt Ion	Resp	Lower	Upper
56	100		
69	34.1	25.9	38.9
84	94.2	71.1	106.7

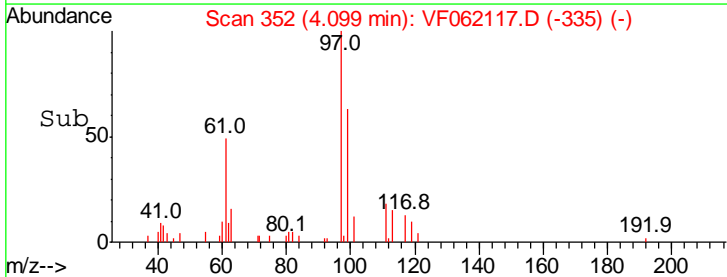
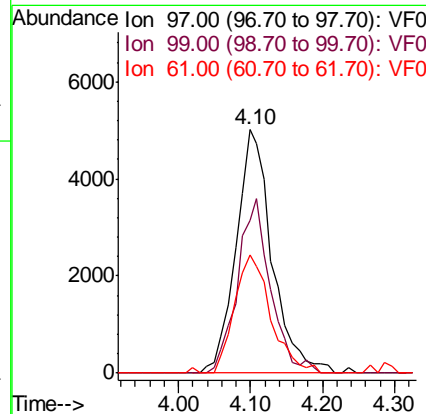
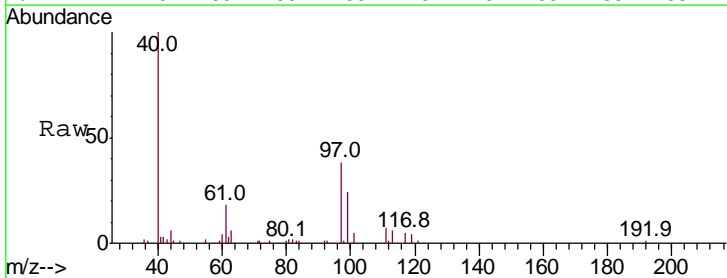
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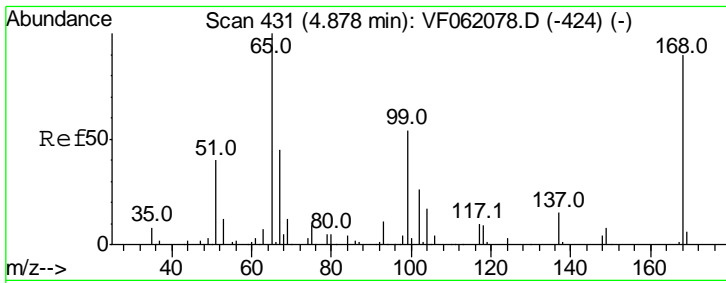
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#32
 1,1,1-Trichloroethane
 Concen: 86.969 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
97	100		
99	62.7	51.3	76.9
61	48.5	39.0	58.6





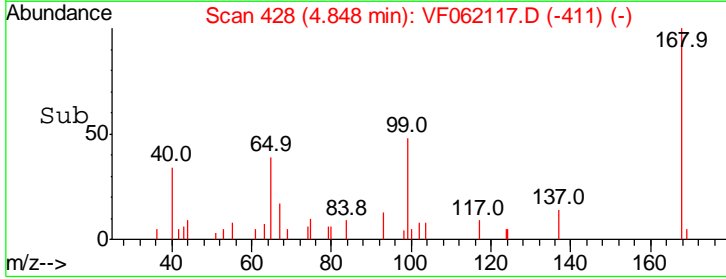
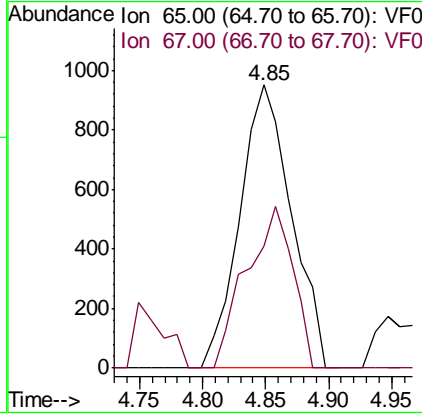
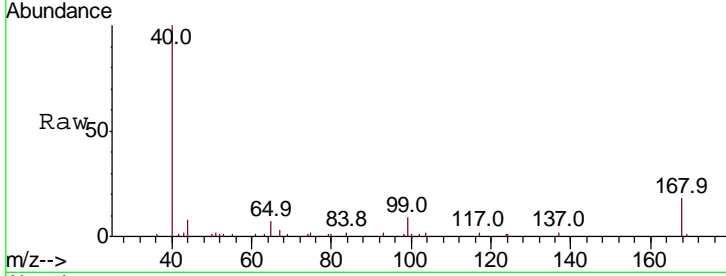
#33
 1,2-Dichloroethane-d4
 Concen: 18.891 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

Tgt Ion	Ratio	Lower	Upper
65	100		
67	43.3	0.0	106.2

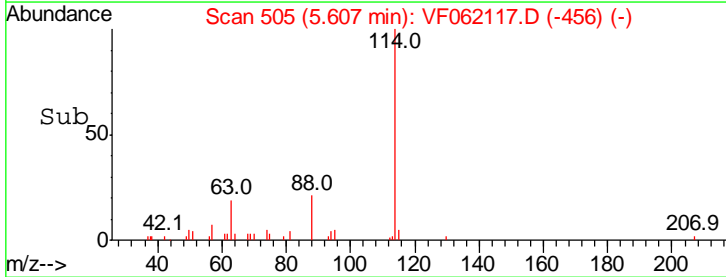
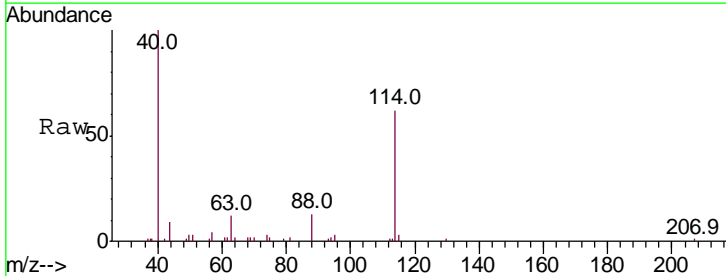
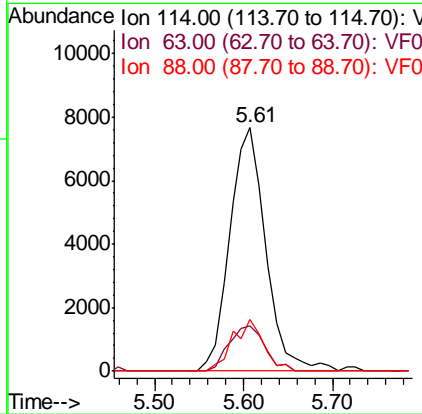
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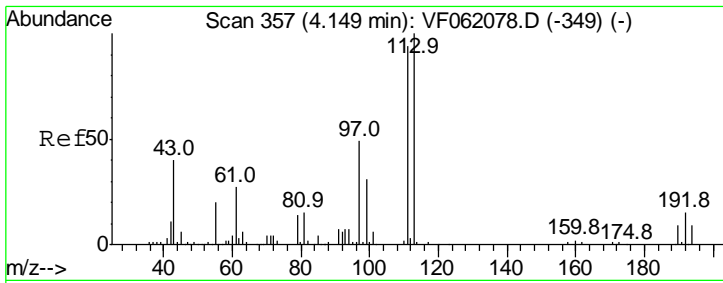
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	37.8
88	21.0	0.0	36.4





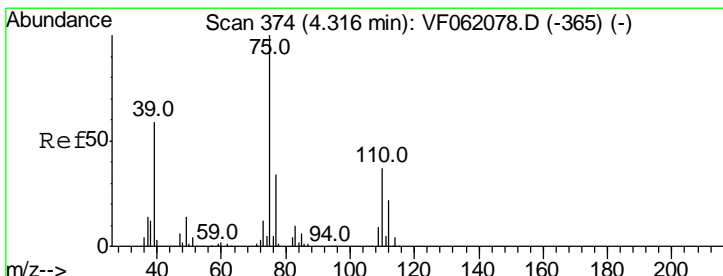
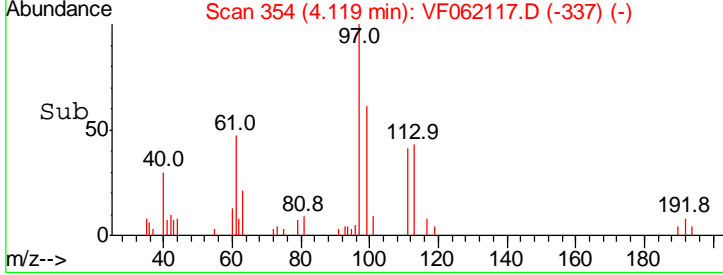
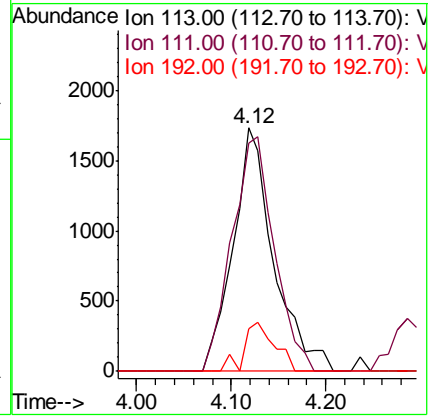
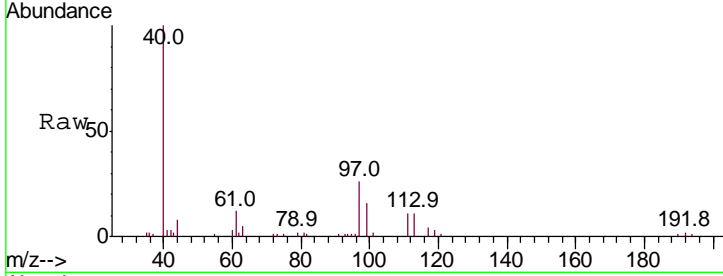
#35
 Dibromofluoromethane
 Concen: 35.443 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

Tgt Ion	Resp	Lower	Upper
113	5167		
113	100		
111	93.9	75.4	113.0
192	17.7	12.3	18.5

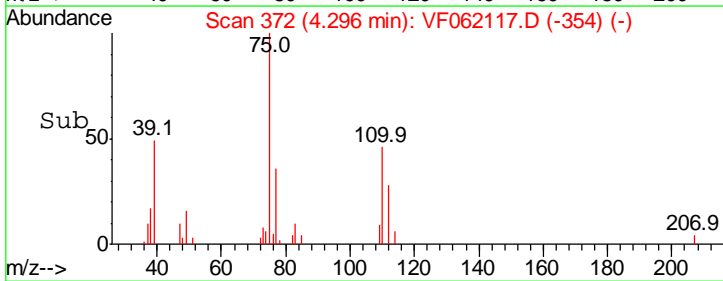
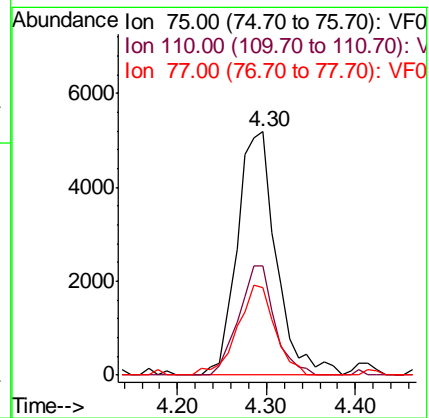
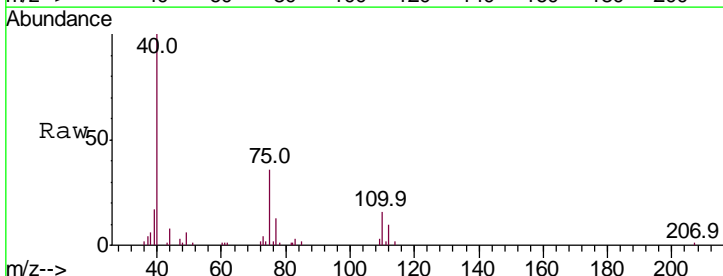
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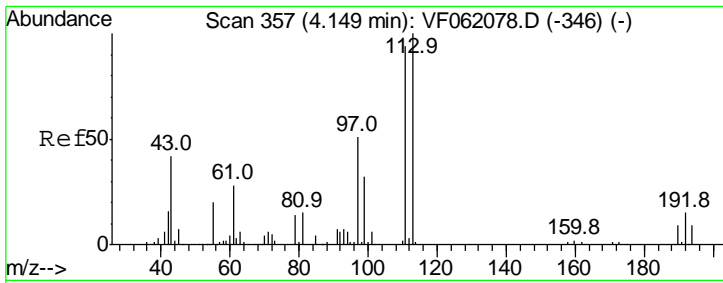
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#36
 1,1-Dichloropropene
 Concen: 77.219 ug/l
 RT: 4.30 min Scan# 372
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
75	15851		
75	100		
110	44.9	18.5	55.5
77	35.7	27.4	41.0





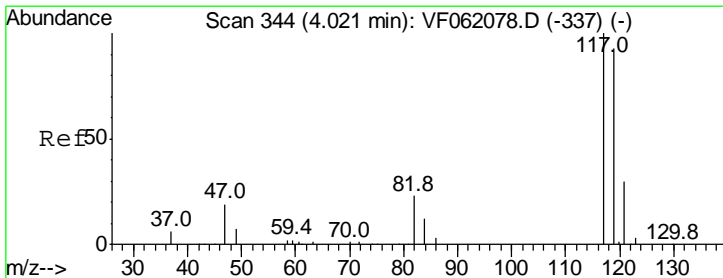
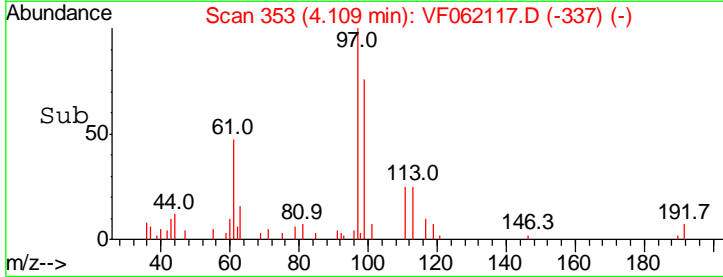
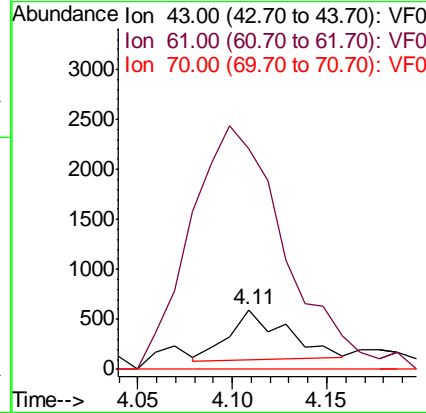
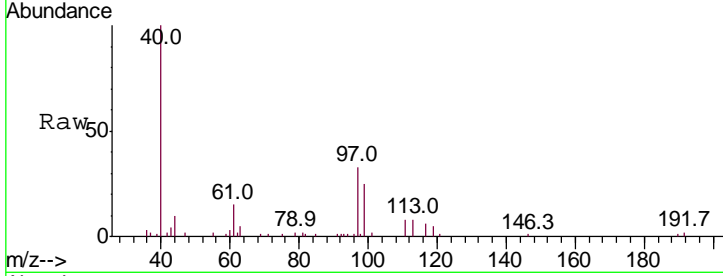
#37
 Ethyl Acetate
 Concen: 11.637 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.04 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

Tgt Ion	Ratio	Lower	Upper
43	100		
61	371.9	53.6	80.4#
70	0.0	9.0	13.6#

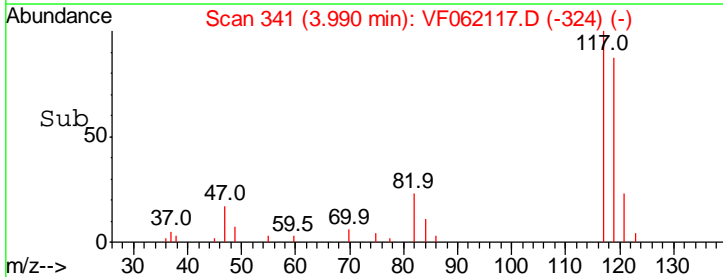
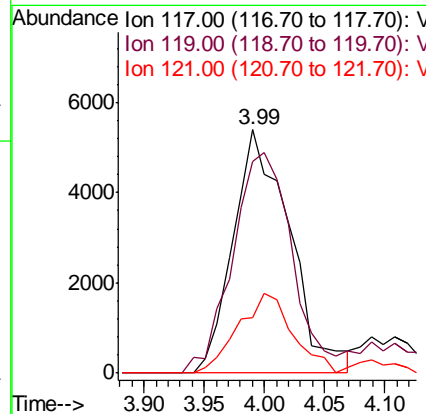
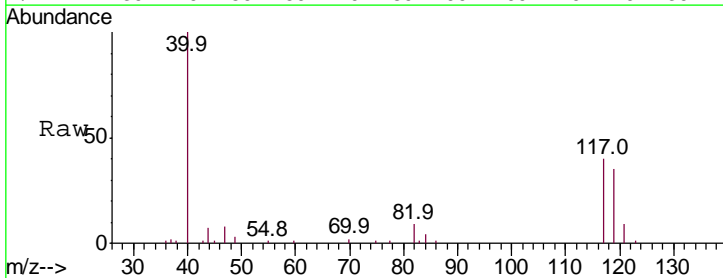
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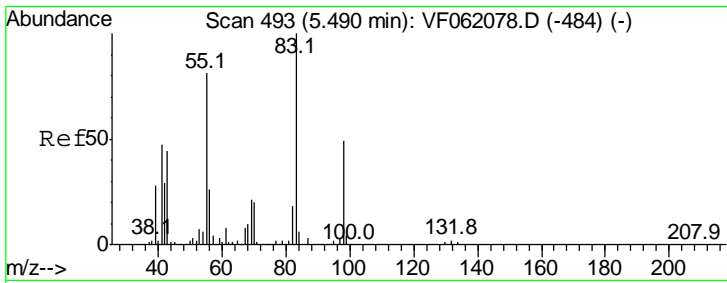
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#38
 Carbon Tetrachloride
 Concen: 126.669 ug/l m
 RT: 3.99 min Scan# 341
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.9	74.7	112.1
121	23.0	23.6	35.4#





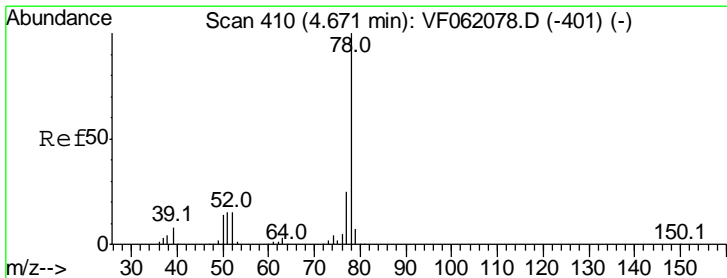
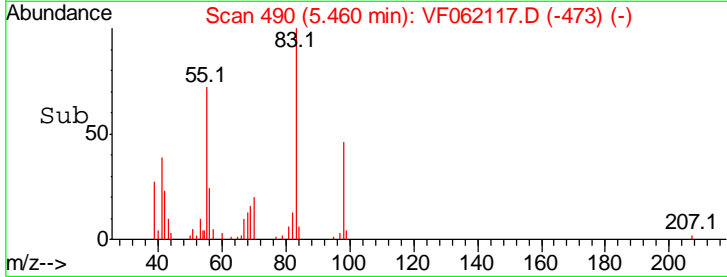
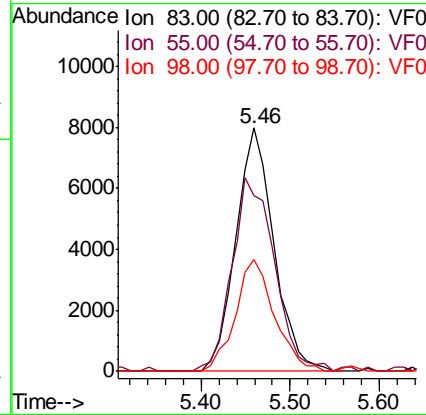
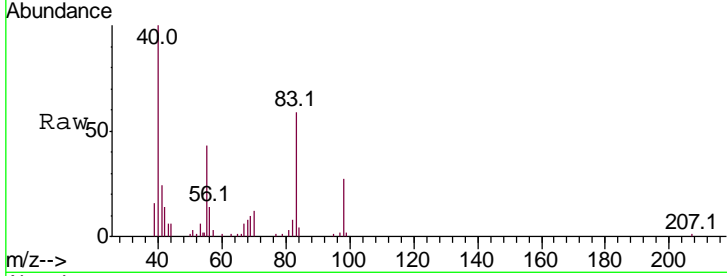
#39
Methylcyclohexane
Concen: 99.525 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.03 min
Lab File: VF062117.D
Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
ClientSampled : WP022SB439-190318-(13-14)MS

Tgt Ion	Resp	Lower	Upper
83	100		
55	72.2	64.5	96.7
98	46.0	39.1	58.7

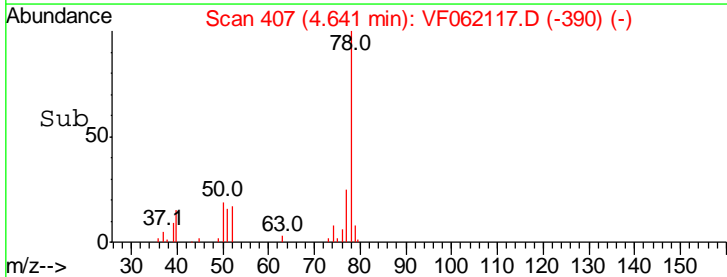
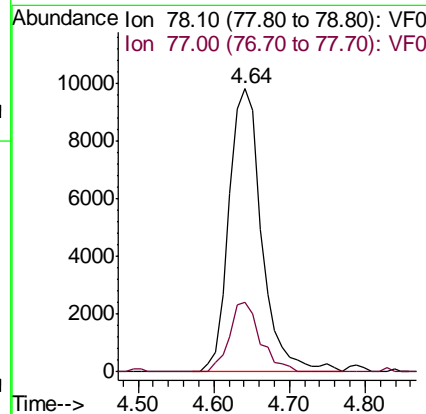
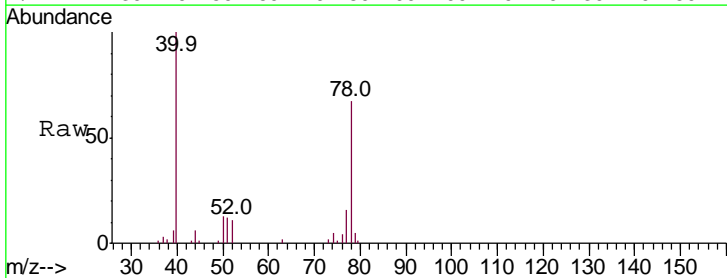
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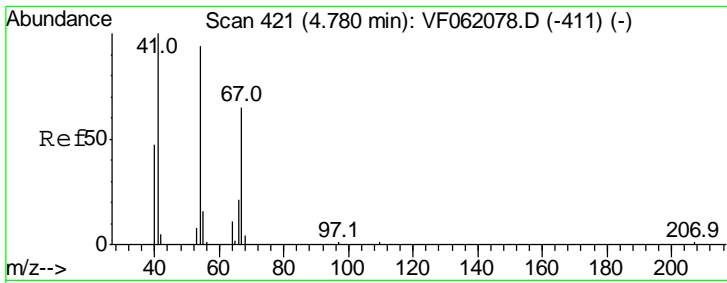
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#40
Benzene
Concen: 53.469 ug/l
RT: 4.64 min Scan# 407
Delta R.T. -0.03 min
Lab File: VF062117.D
Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
78	100		
77	24.6	19.8	29.6





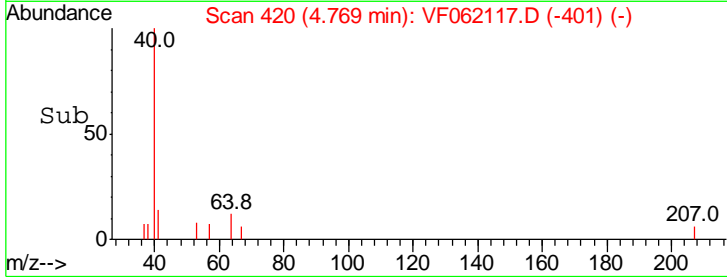
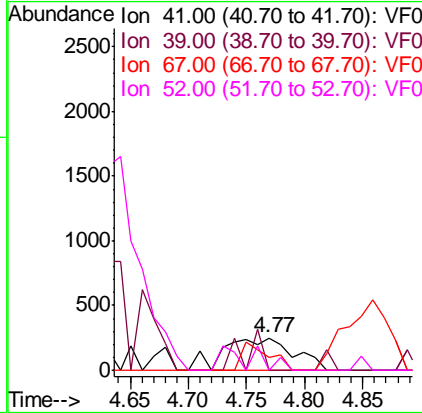
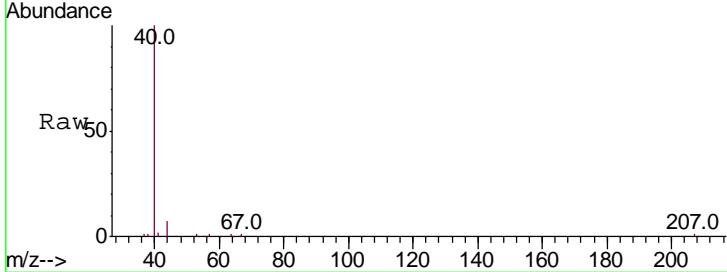
#41
 Methacrylonitrile
 Concen: 21.847 ug/l
 RT: 4.77 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampleId : WP022SB439-190318-(13-14)MS

Tgt Ion	Resp	Lower	Upper
41	1037		
39	0.0	43.5	65.3#
67	40.1	51.6	77.4#
52	0.0	36.5	54.7#

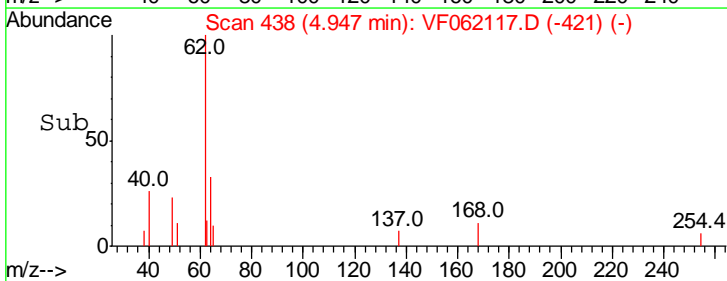
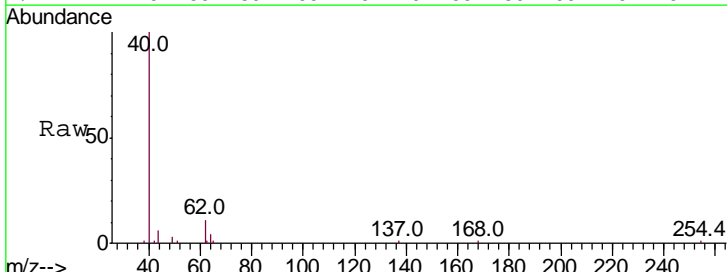
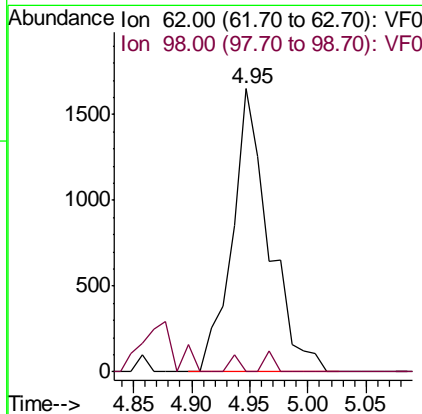
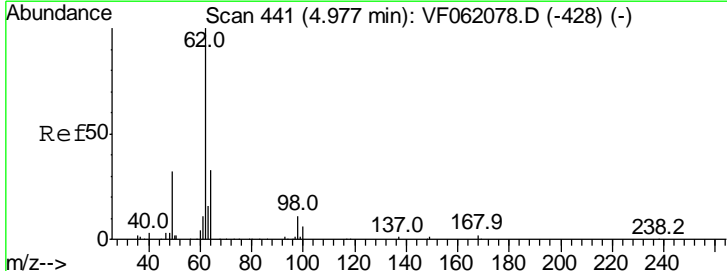
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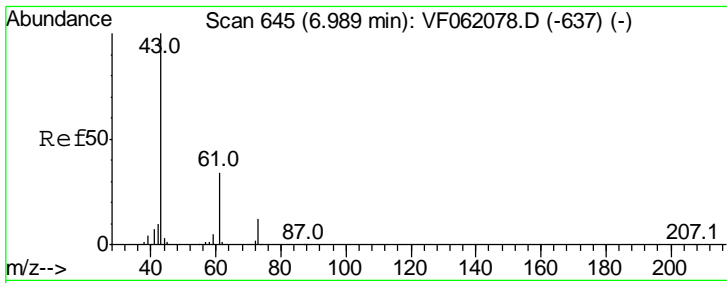
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#42
 1,2-Dichloroethane
 Concen: 27.680 ug/l
 RT: 4.95 min Scan# 438
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
62	3602		
98	0.0	0.0	23.2





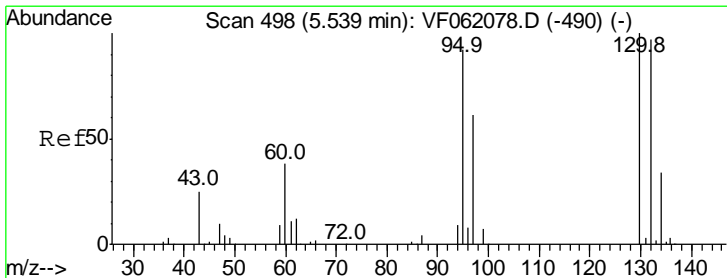
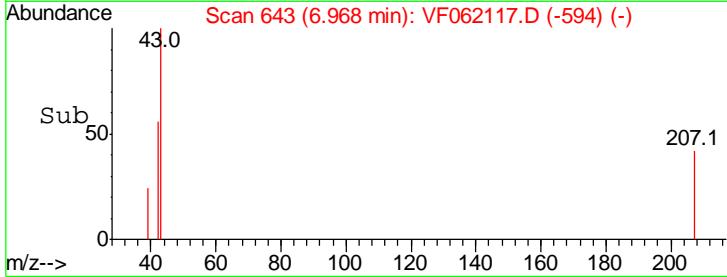
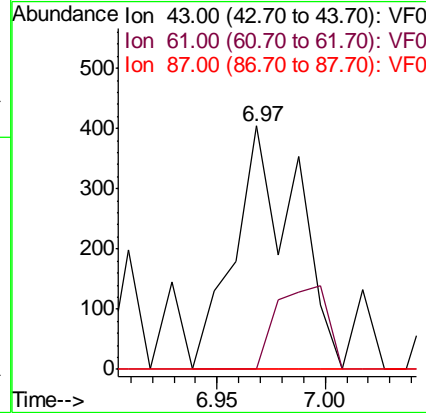
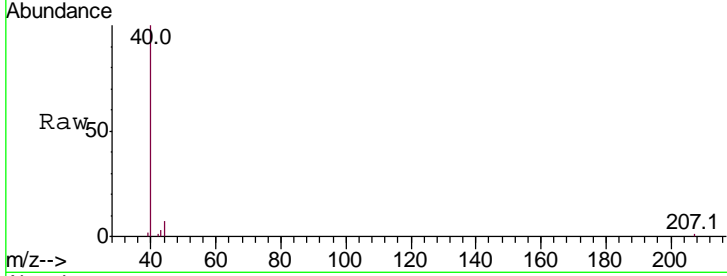
#43
 Isopropyl Acetate
 Concen: 7.428 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 Client Sampled : WP022SB439-190318-(13-14)MS

Tgt Ion	Resp	Lower	Upper
43	100		
61	0.0	27.0	40.4#
87	0.0	0.4	0.6#

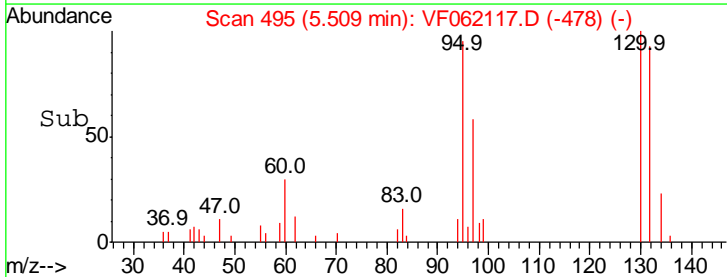
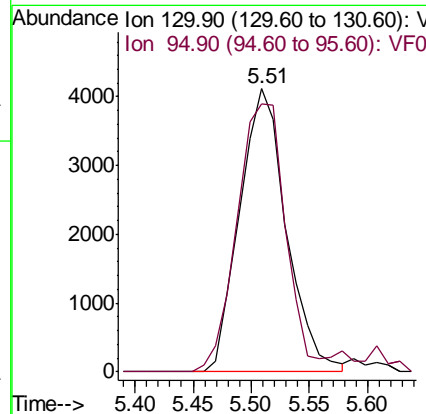
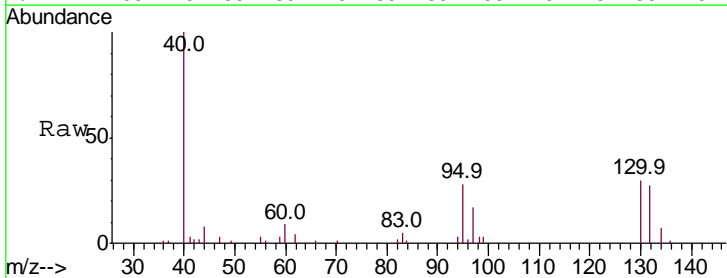
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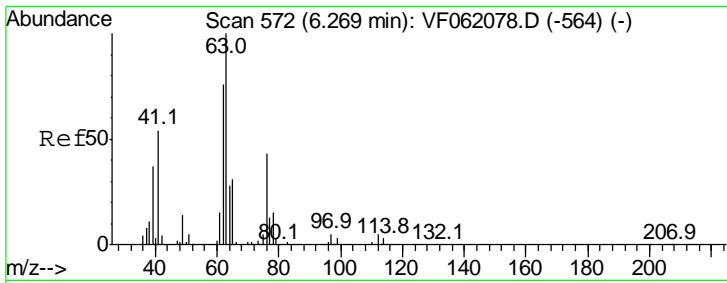
MMDadoda
 3/25/2019 12:40:30 PM



#44
 Trichloroethene
 Concen: 68.103 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
130	100		
95	94.8	0.0	183.4





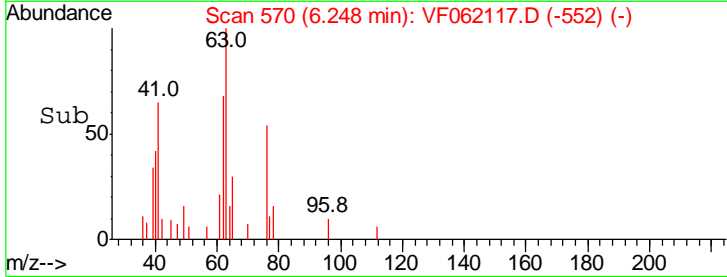
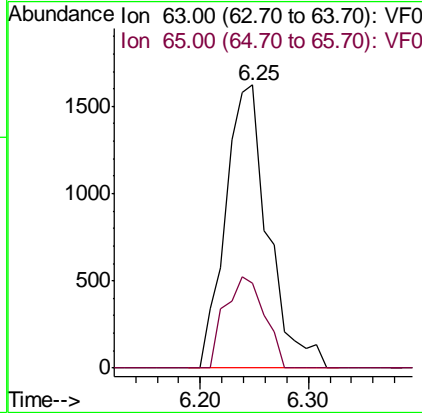
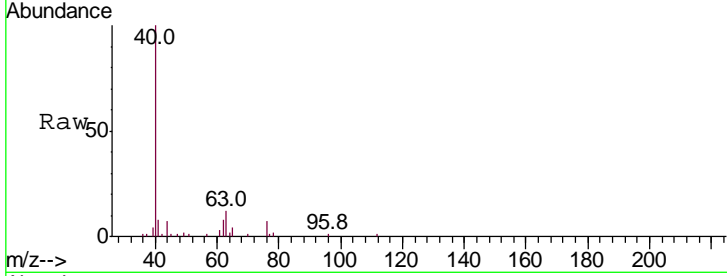
#45
 1,2-Dichloropropane
 Concen: 33.935 ug/l
 RT: 6.25 min Scan# 570
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.2	24.9	37.3

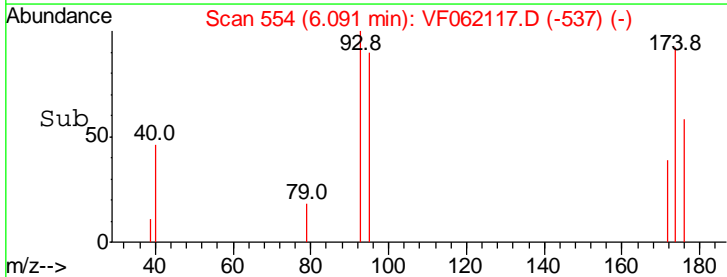
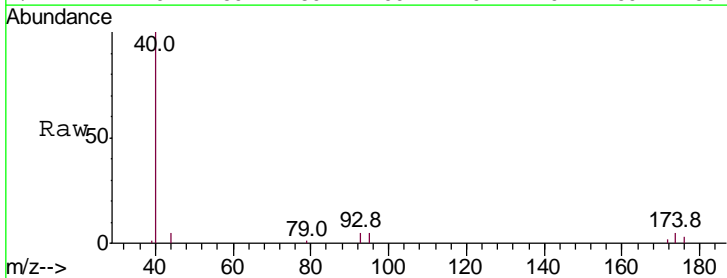
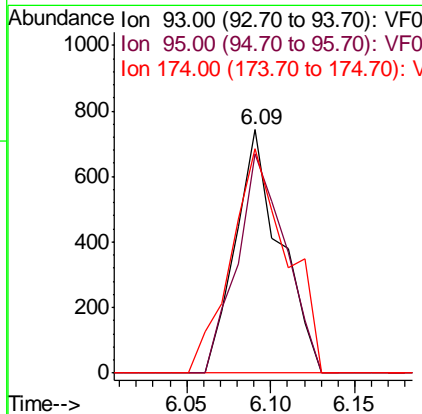
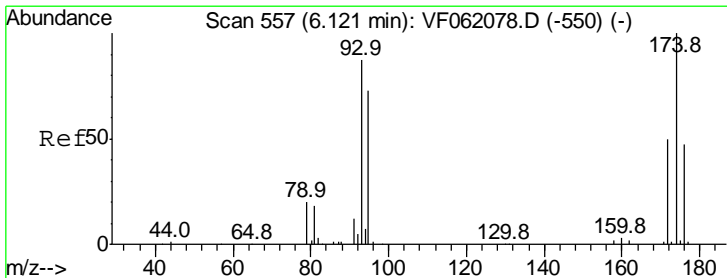
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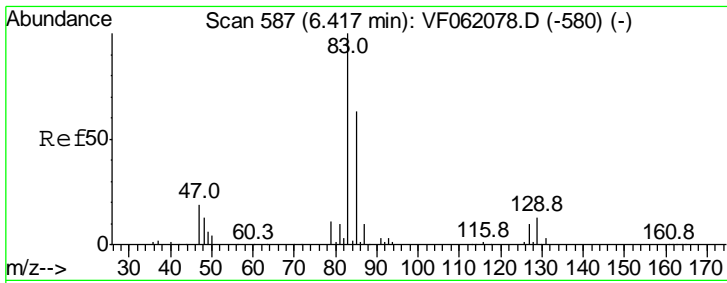
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#46
 Dibromomethane
 Concen: 17.171 ug/l
 RT: 6.09 min Scan# 554
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
93	100		
95	90.0	67.4	101.2
174	91.9	92.0	138.0#





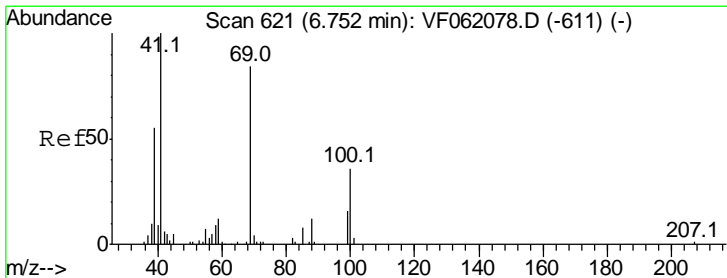
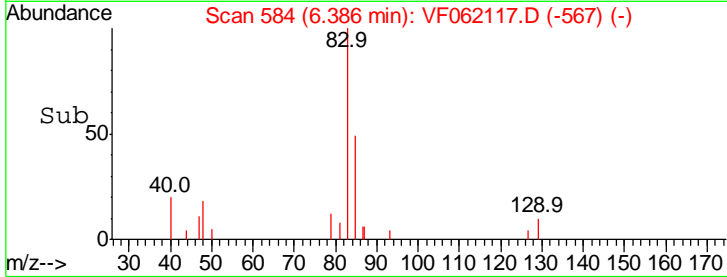
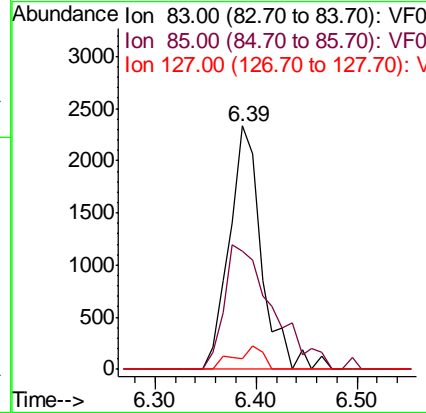
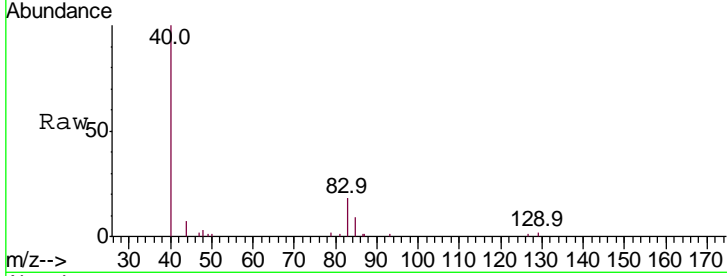
#47
 Bromodichloromethane
 Concen: 29.192 ug/l
 RT: 6.39 min Scan# 584
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

Tgt Ion	Resp	Lower	Upper
83	100		
85	48.6	50.7	76.1#
127	4.4	7.8	11.6#

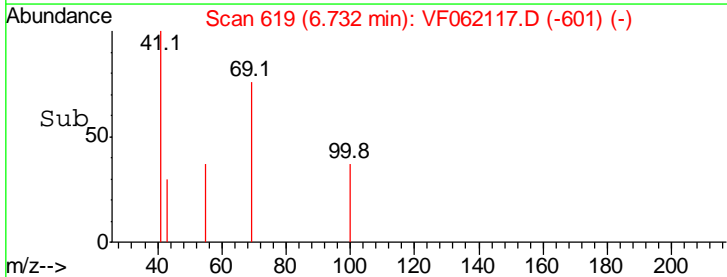
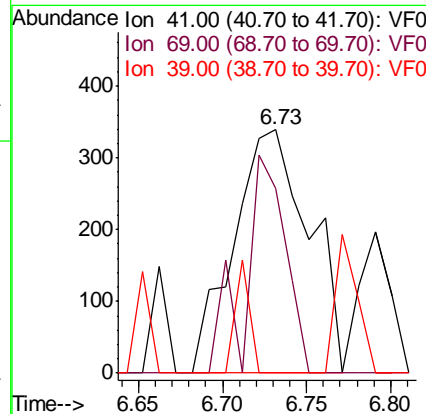
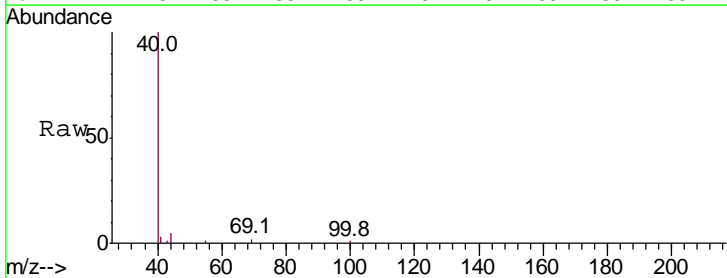
Manual Integrations
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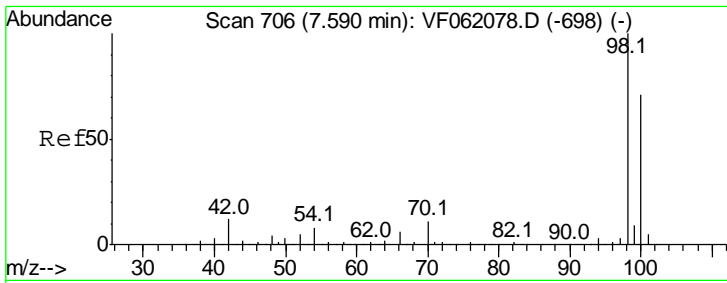
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#48
 Methyl methacrylate
 Concen: 17.103 ug/l
 RT: 6.73 min Scan# 619
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
41	100		
69	75.8	66.6	100.0
39	0.0	43.6	65.4#



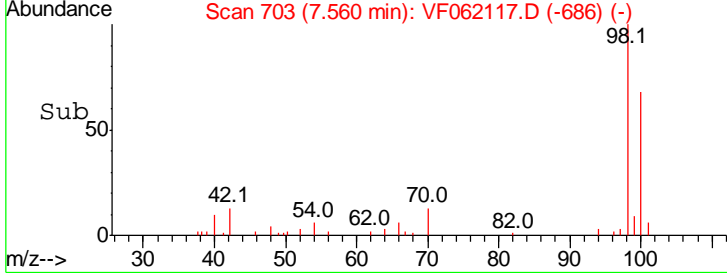
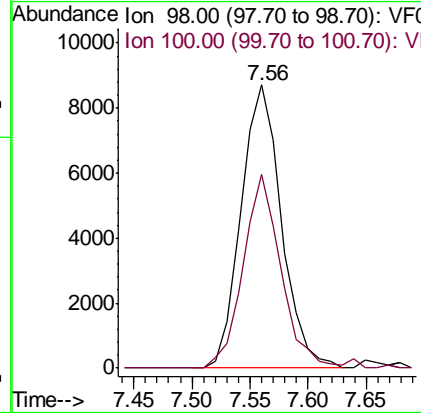
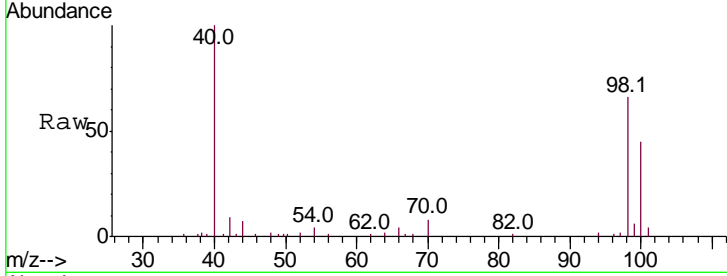


#50
 Toluene-d8
 Concen: 48.053 ug/l
 RT: 7.56 min Scan# 703
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument :
 MSVOA_F
ClientSampled :
 WP022SB439-190318-(13-14)MS

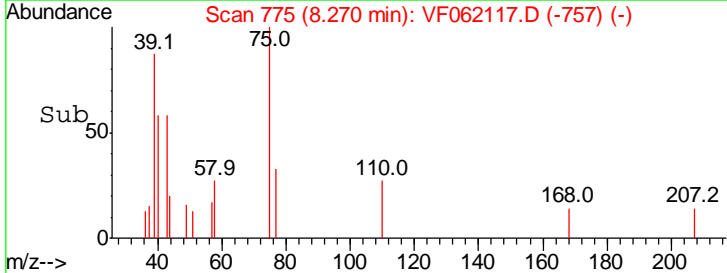
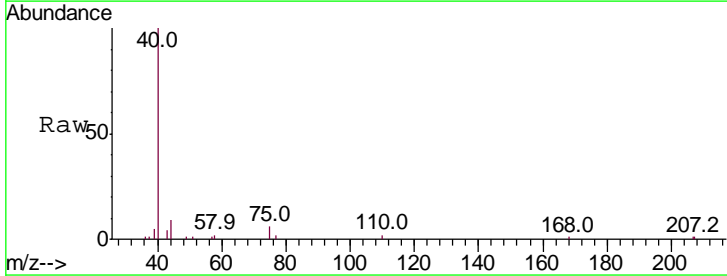
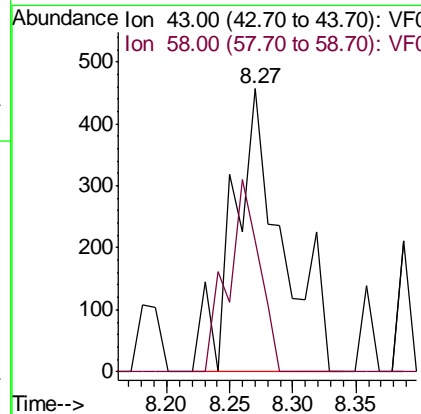
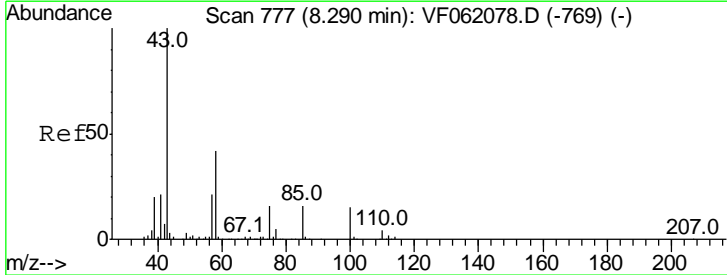
Tgt Ion	Resp	Lower	Upper
98	20911		
98	100		
100	68.5	57.0	85.6

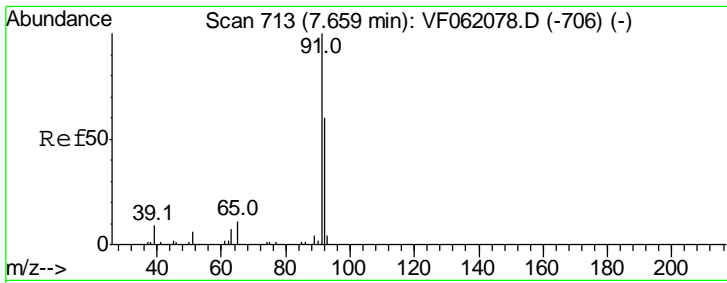
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#51
 4-Methyl-2-Pentanone
 Concen: 16.915 ug/l
 RT: 8.27 min Scan# 775
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
43	1230		
43	100		
58	46.4	33.8	50.8





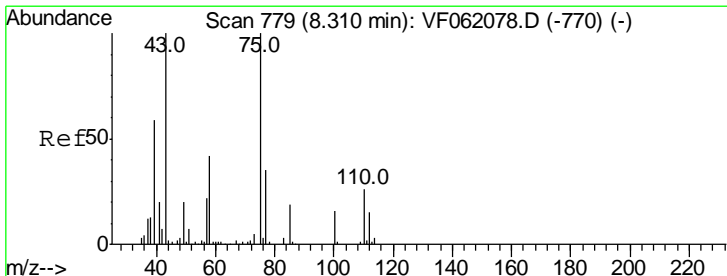
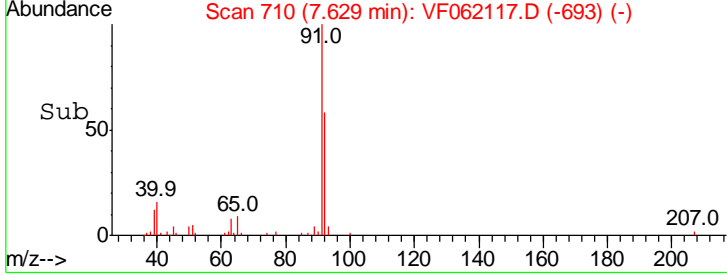
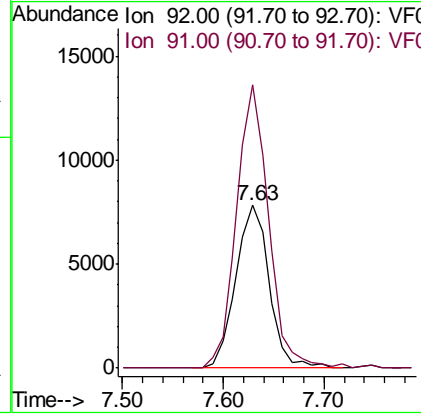
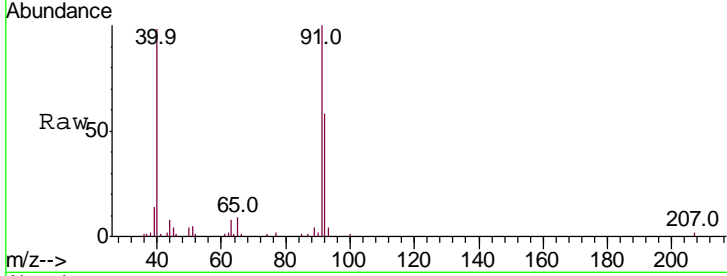
#52
 Toluene
 Concen: 56.671 ug/l
 RT: 7.63 min Scan# 710
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument :
 MSVOA_F
ClientSampled :
 WP022SB439-190318-(13-14)MS

Tgt Ion: 92 Resp: 18063
 Ion Ratio Lower Upper
 92 100
 91 173.7 134.1 201.1

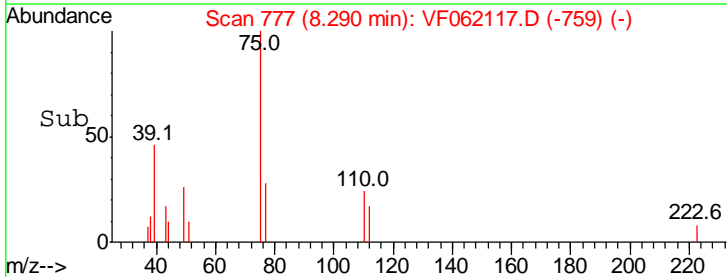
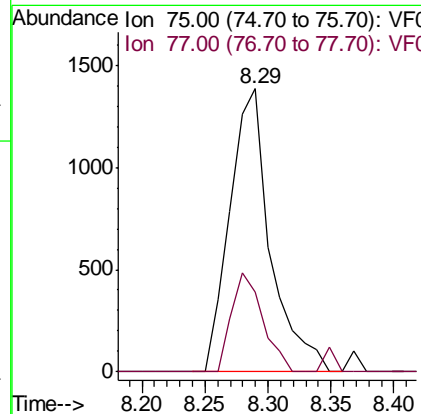
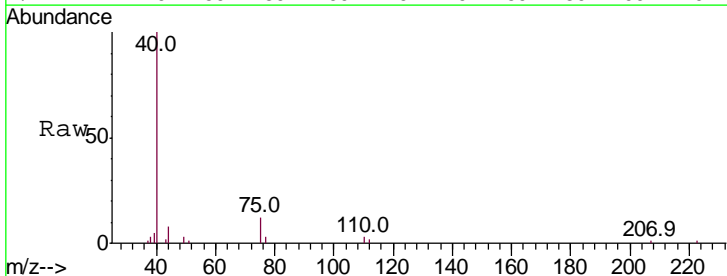
Manual Integrations
APPROVED

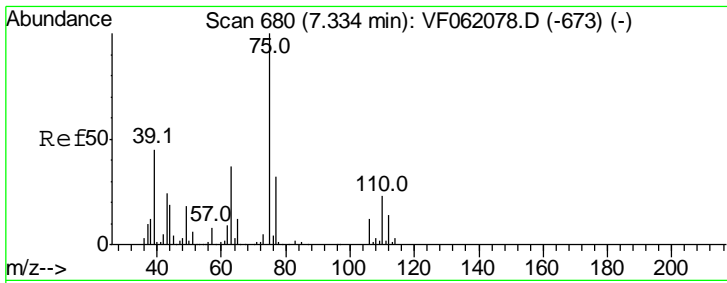
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#53
 t-1,3-Dichloropropene
 Concen: 22.122 ug/l
 RT: 8.29 min Scan# 777
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion: 75 Resp: 3087
 Ion Ratio Lower Upper
 75 100
 77 28.0 28.0 42.0





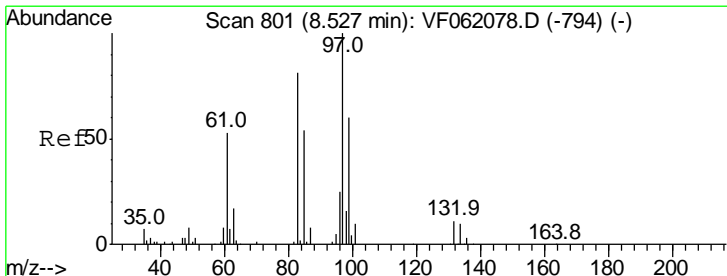
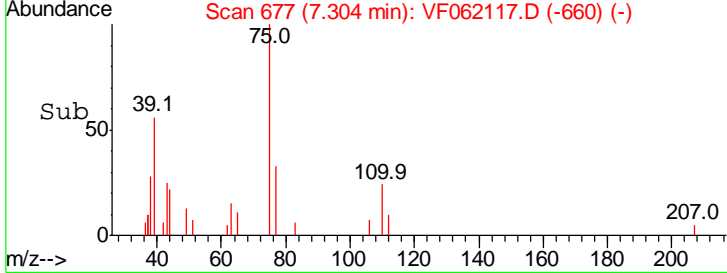
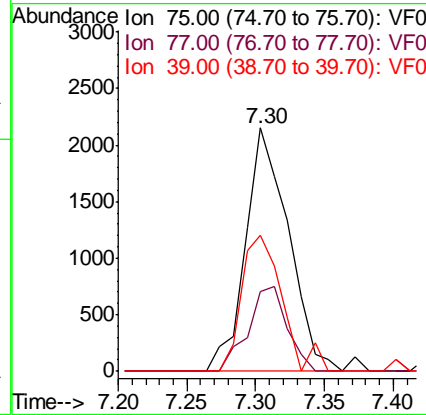
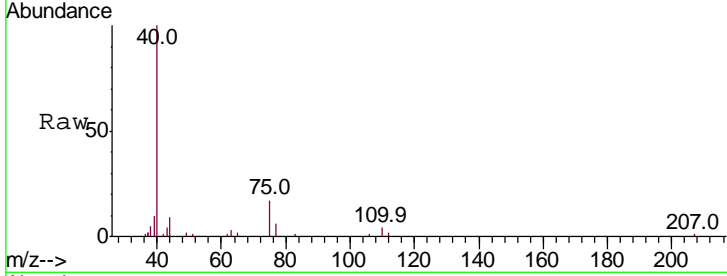
#54
 cis-1,3-Dichloropropene
 Concen: 23.495 ug/l
 RT: 7.30 min Scan# 677
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

Tgt Ion	Resp	Lower	Upper
75	4691		
75	100		
77	32.8	25.8	38.6
39	55.6	35.9	53.9#

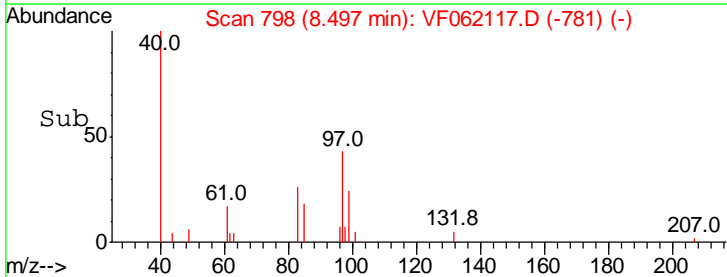
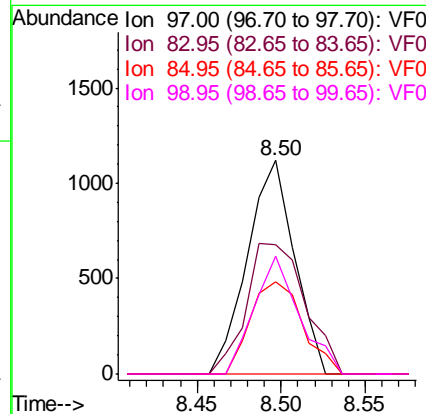
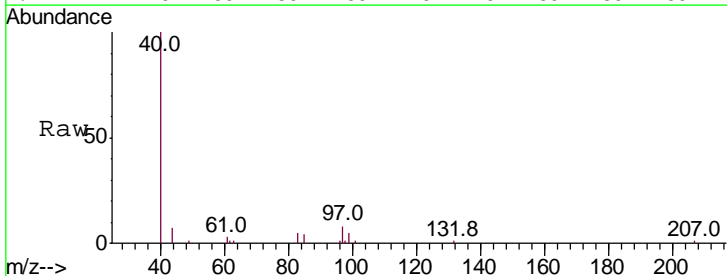
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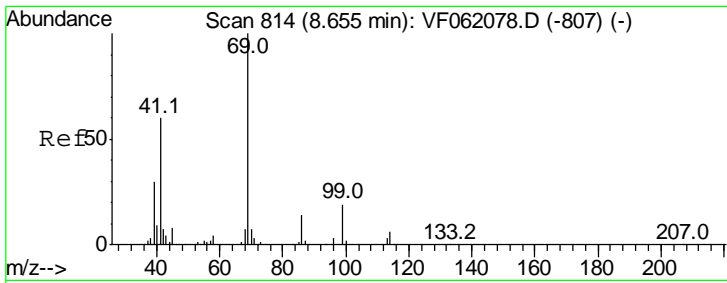
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#55
 1,1,2-Trichloroethane
 Concen: 23.935 ug/l
 RT: 8.50 min Scan# 798
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
97	2167		
97	100		
83	60.4	64.6	97.0#
85	43.0	43.6	65.4#
99	55.3	48.2	72.2



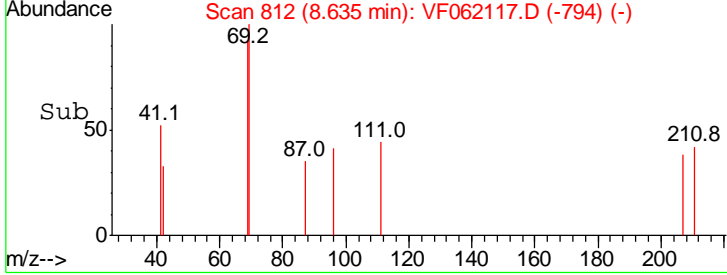
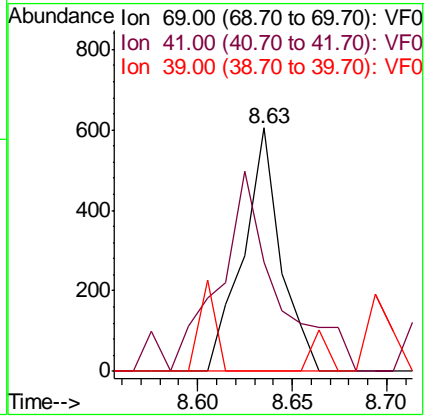
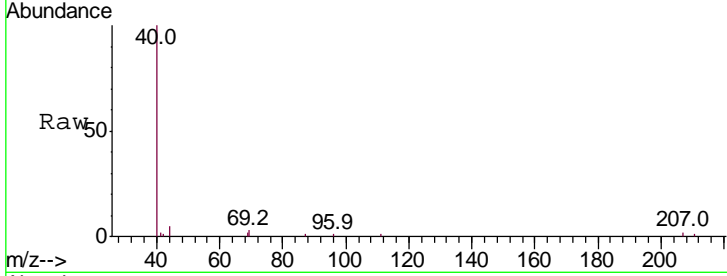


#56
 Ethyl methacrylate
 Concen: 7.733 ug/l
 RT: 8.63 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument :
 MSVOA_F
Client Sampled :
 WP022SB439-190318-(13-14)MS

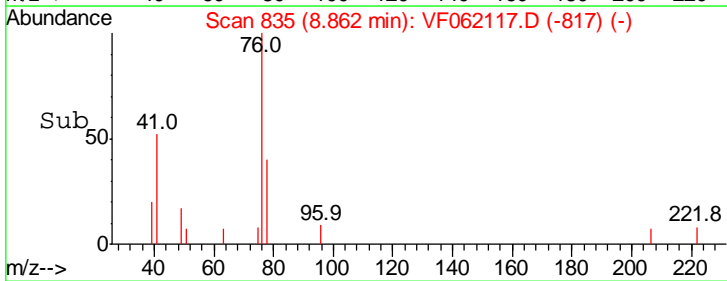
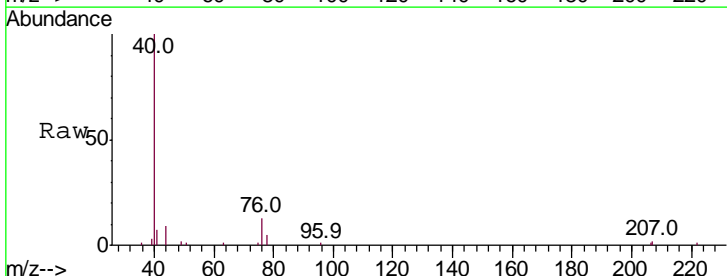
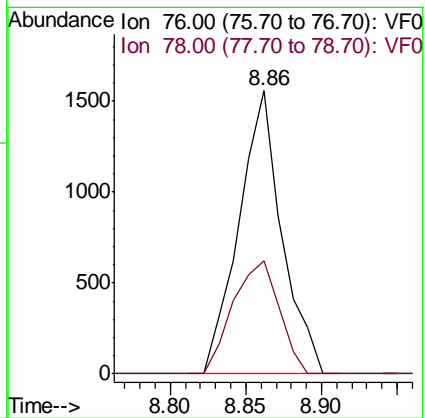
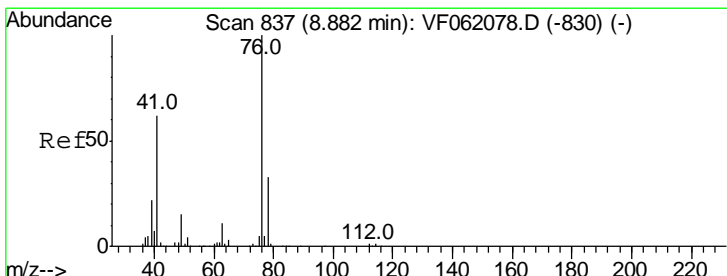
Tgt Ion	Ratio	Lower	Upper
69	100		
41	44.6	48.2	72.2#
39	0.0	24.0	36.0#

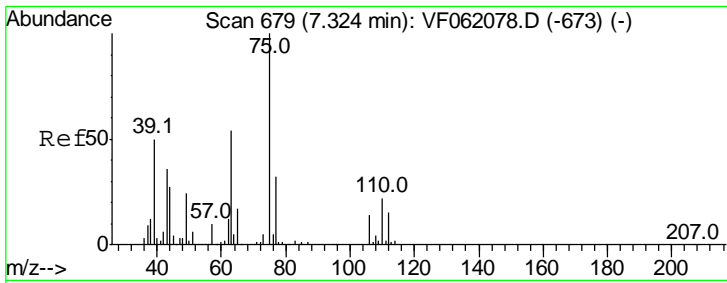
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#57
 1,3-Dichloropropane
 Concen: 20.537 ug/l
 RT: 8.86 min Scan# 835
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Ratio	Lower	Upper
76	100		
78	39.9	26.6	39.8#





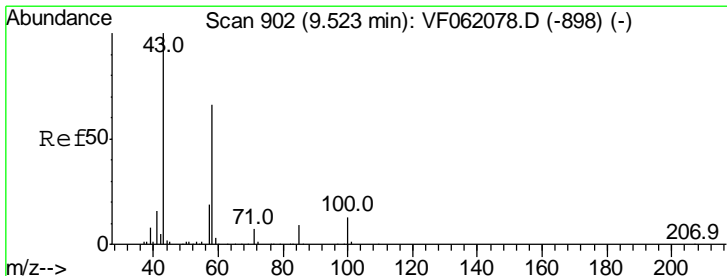
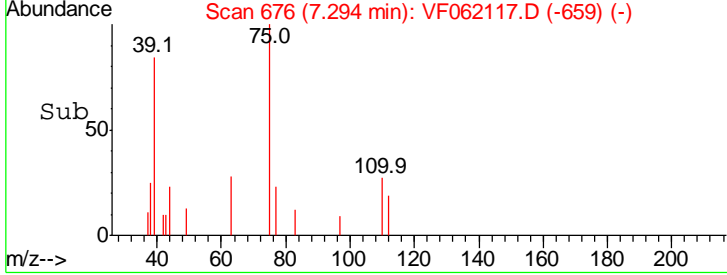
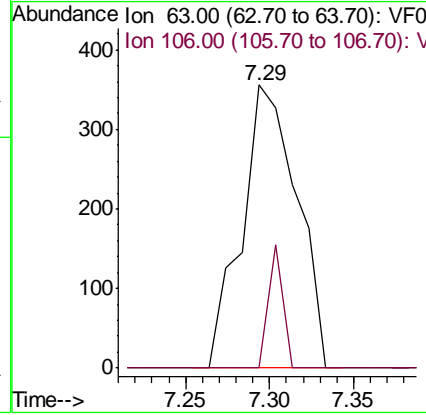
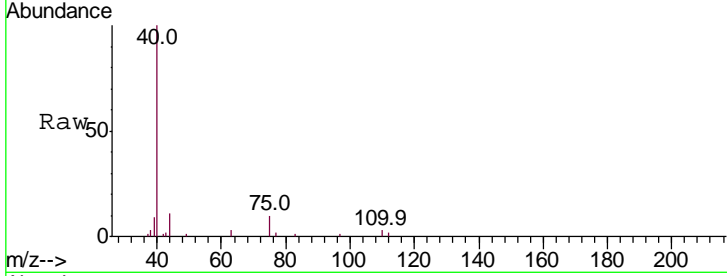
#58
 2-Chloroethyl Vinyl ether
 Concen: 49.133 ug/l
 RT: 7.29 min Scan# 676
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.5	32.3#

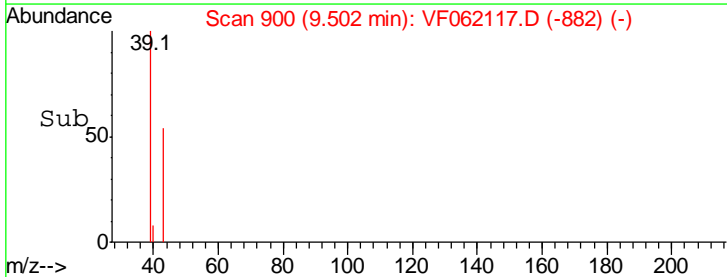
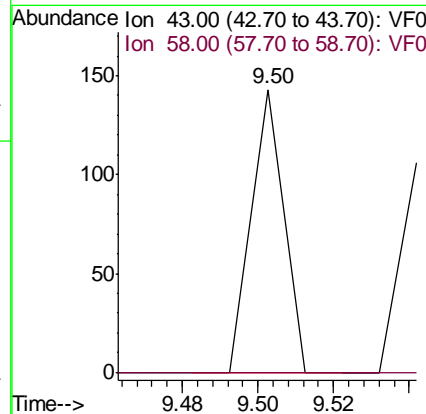
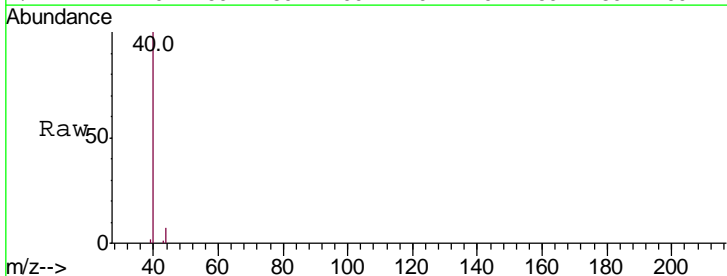
Manual Integrations
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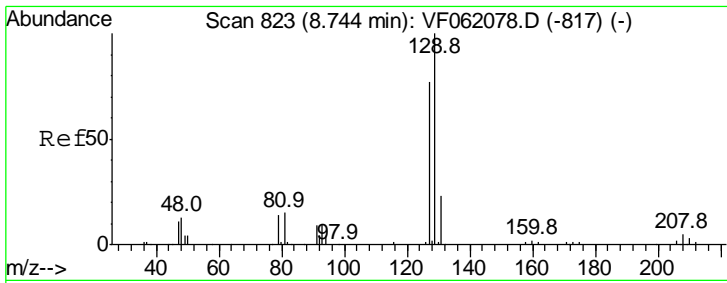
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#59
 2-Hexanone
 Concen: 1.595 ug/l
 RT: 9.50 min Scan# 900
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.8	86.4#



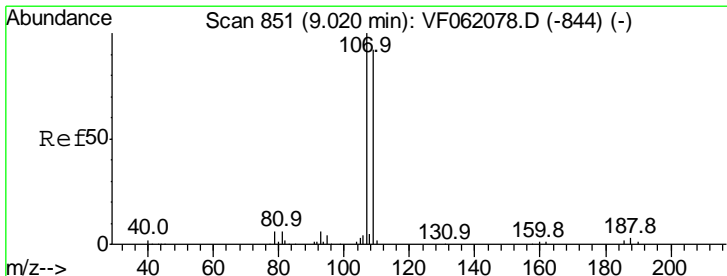
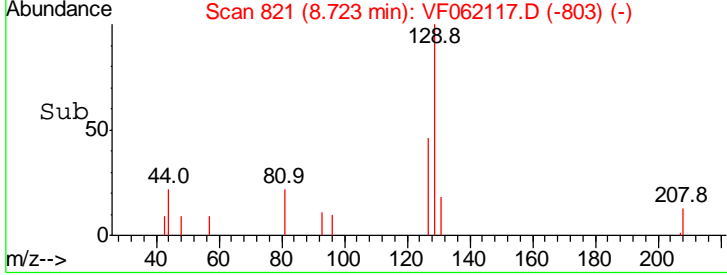
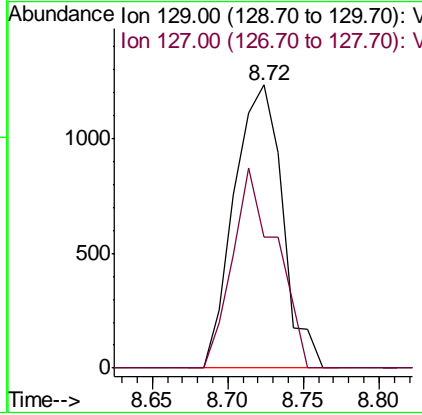
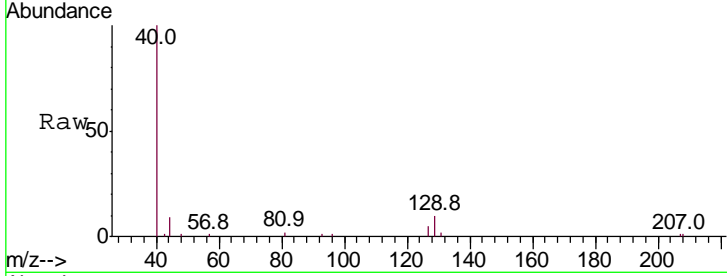


#60
 Dibromochloromethane
 Concen: 21.826 ug/l
 RT: 8.72 min Scan# 821
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
129	2747		
129	100		
127	46.4	38.7	116.1

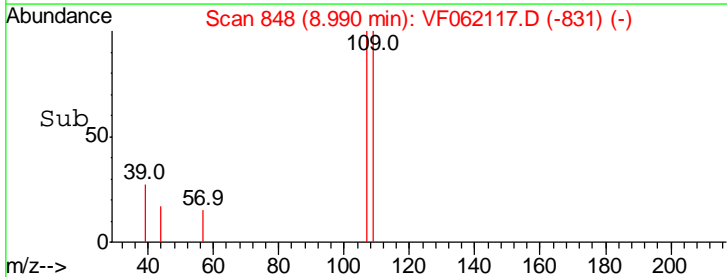
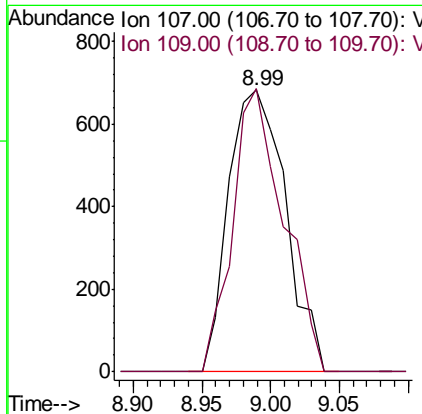
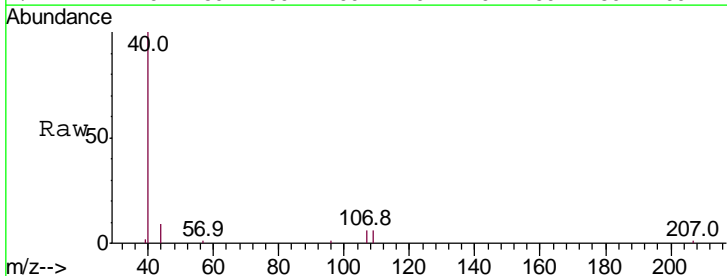
Instrument :
 MSVOA_F
ClientSampled :
 WP022SB439-190318-(13-14)MS

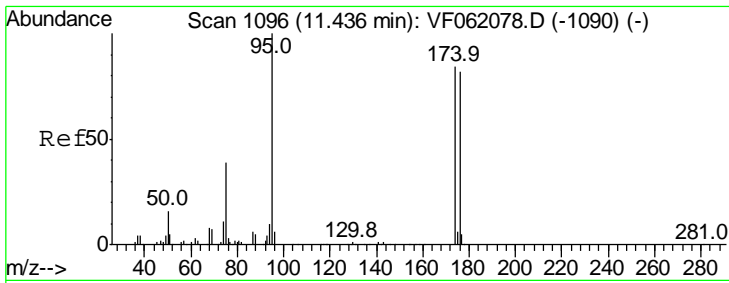
Manual Integrations
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#61
 1,2-Dibromoethane
 Concen: 20.375 ug/l
 RT: 8.99 min Scan# 848
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
107	1968		
107	100		
109	100.4	73.4	110.0



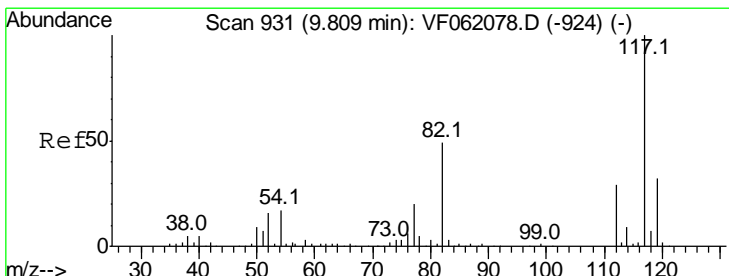
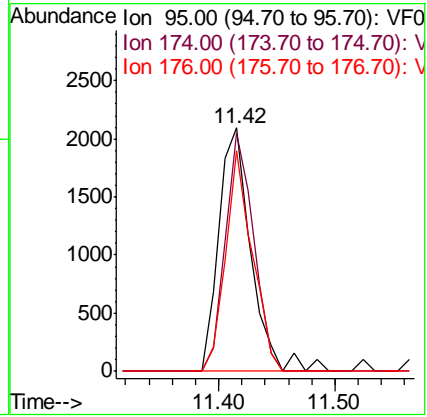
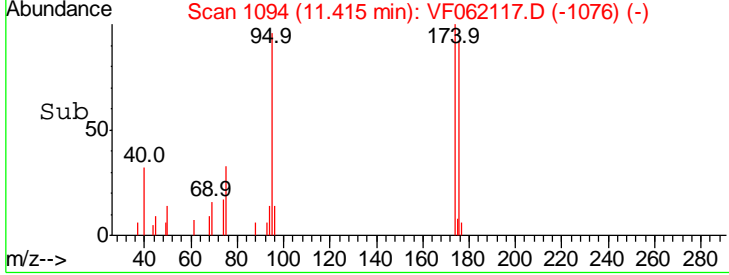
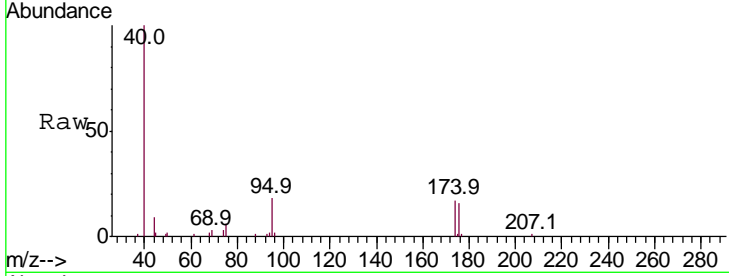


#62
 4-Bromofluorobenzene
 Concen: 23.863 ug/l
 RT: 11.42 min Scan# 1094
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 Client Sampled : WP022SB439-190318-(13-14)MS

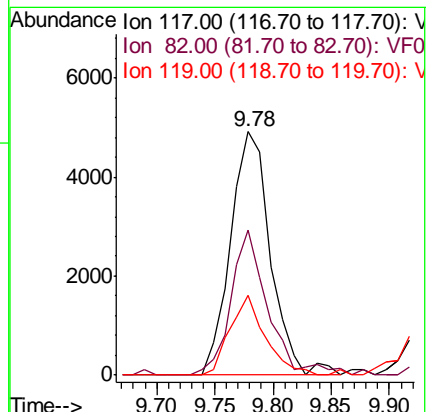
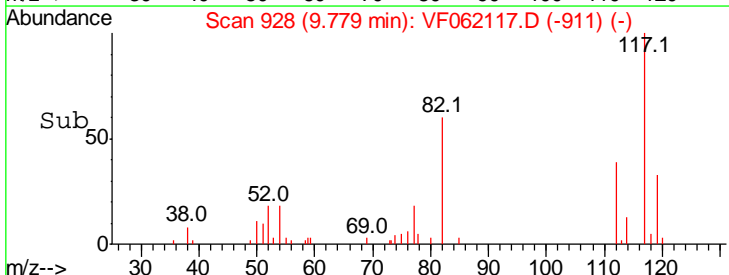
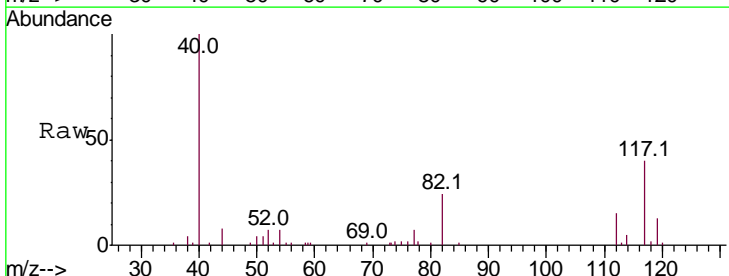
Tgt Ion	Resp	Lower	Upper
95	100		
174	97.9	0.0	168.2
176	90.4	0.0	164.2

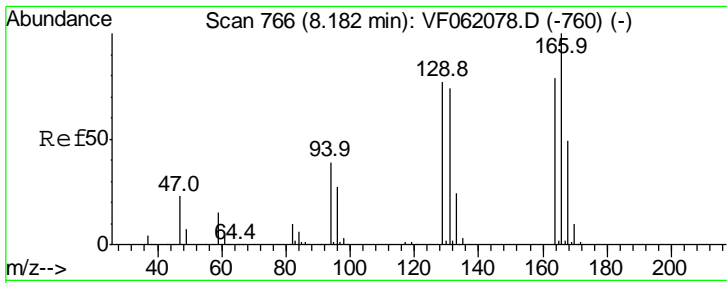
Manual Integrations
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#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.78 min Scan# 928
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

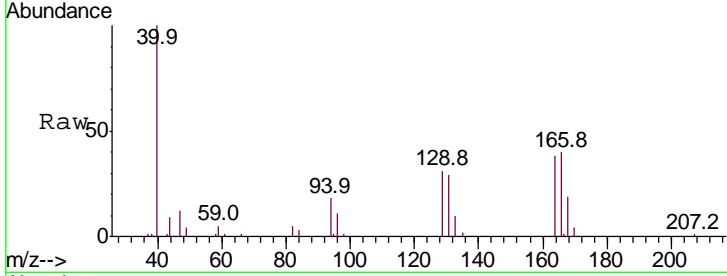
Tgt Ion	Resp	Lower	Upper
117	100		
82	59.6	39.2	58.8#
119	32.9	25.4	38.2





#64
 Tetrachloroethene
 Concen: 121.865 ug/l
 RT: 8.15 min Scan# 763
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

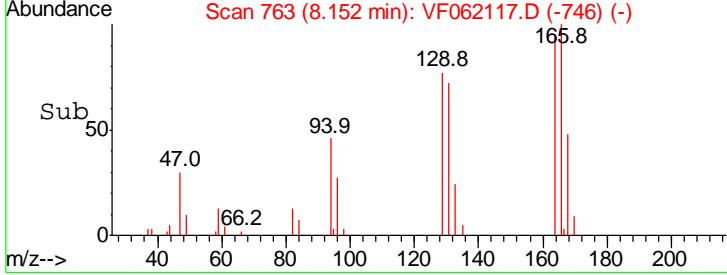
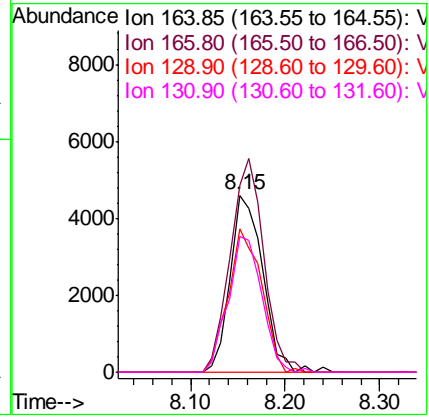
Instrument :
 MSVOA_F
ClientSampled :
 WP022SB439-190318-(13-14)MS



Tgt Ion:164 Resp: 10977

Ion	Ratio	Lower	Upper
164	100		
166	105.4	100.9	151.3
129	80.8	77.9	116.9
131	76.3	74.6	112.0

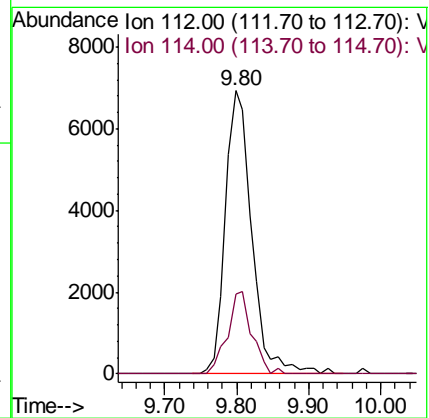
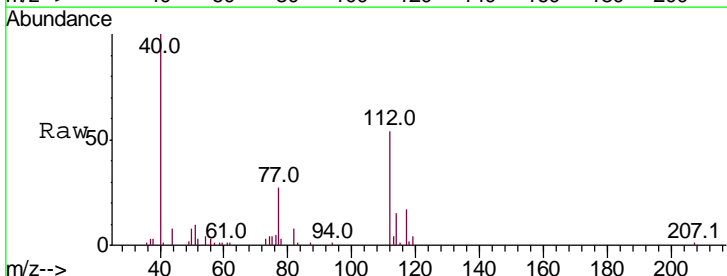
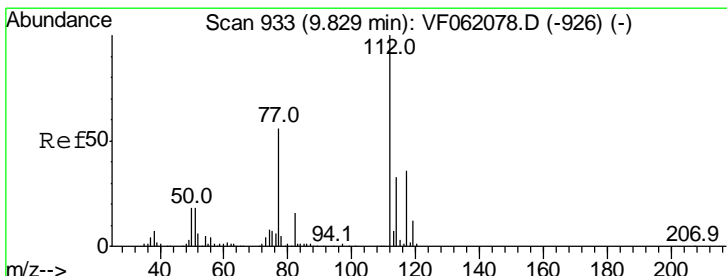
Manual Integrations
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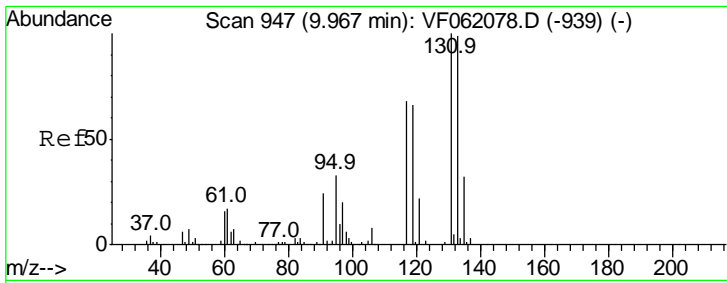


#65
 Chlorobenzene
 Concen: 80.427 ug/l
 RT: 9.80 min Scan# 930
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion:112 Resp: 17545

Ion	Ratio	Lower	Upper
112	100		
114	28.2	26.0	39.0





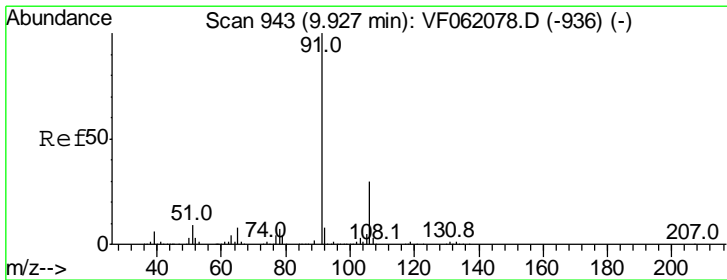
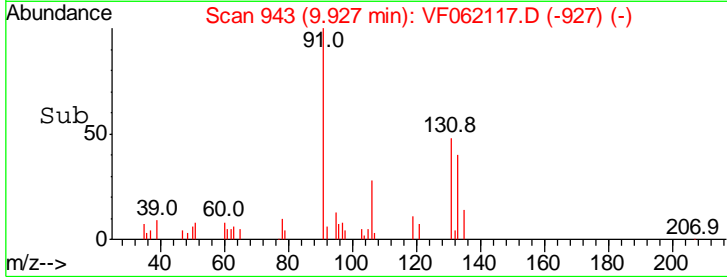
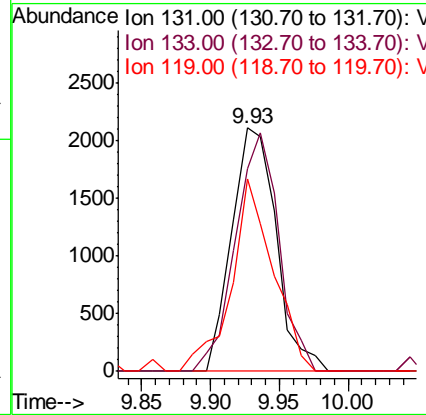
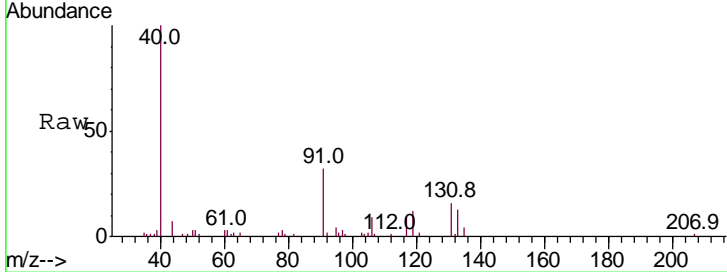
#66
 1,1,1,2-Tetrachloroethane
 Concen: 54.241 ug/l
 RT: 9.93 min Scan# 943
 Delta R.T. -0.04 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

Tgt Ion	Resp	Lower	Upper
131	100		
133	83.4	49.3	147.8
119	79.0	33.5	100.4

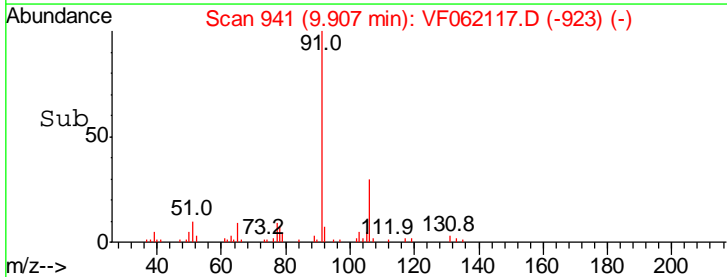
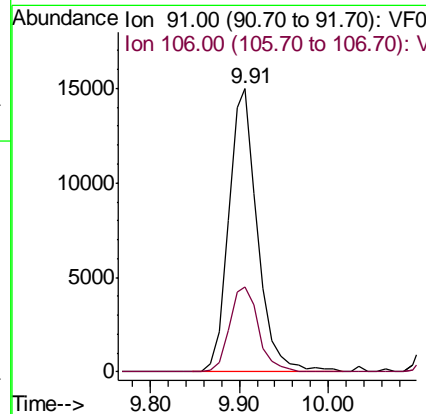
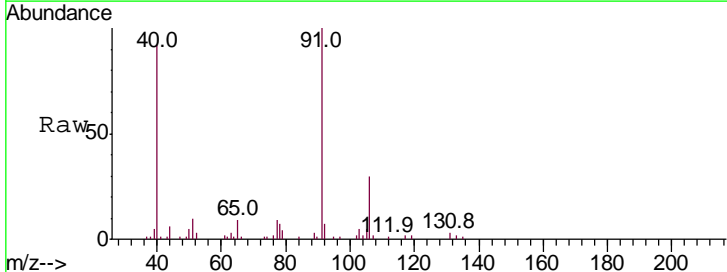
Manual Integrations
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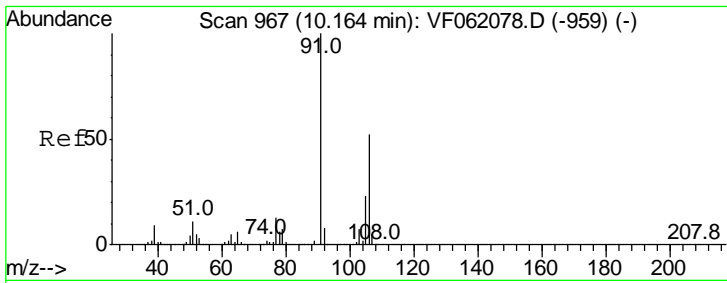
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#67
 Ethyl Benzene
 Concen: 89.225 ug/l
 RT: 9.91 min Scan# 941
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
91	100		
106	30.1	24.0	36.0





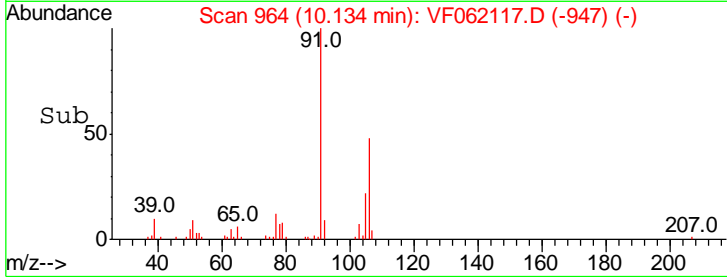
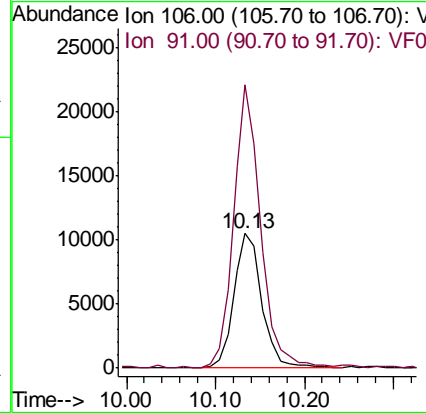
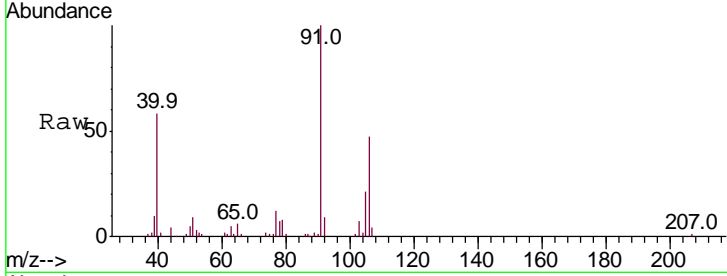
#68
 m/p-Xylenes
 Concen: 164.059 ug/l
 RT: 10.13 min Scan# 964
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument :
 MSVOA_F
Client Sampled :
 WP022SB439-190318-(13-14)MS

Tgt Ion	Resp	Lower	Upper
106	100		
91	210.6	154.4	231.6

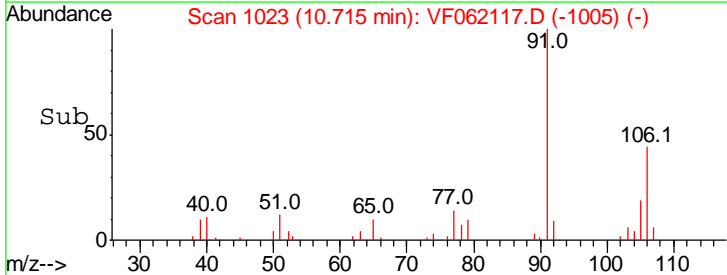
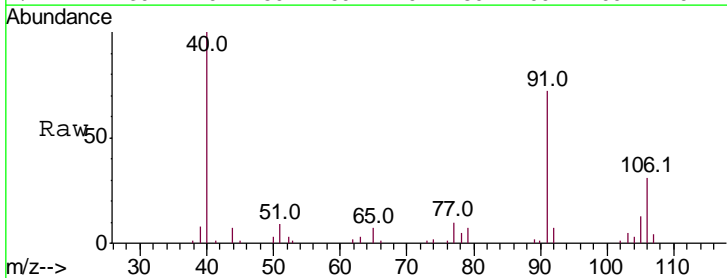
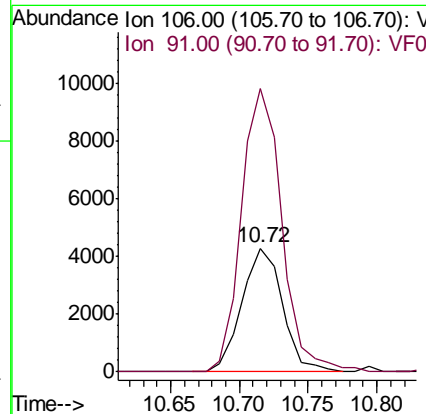
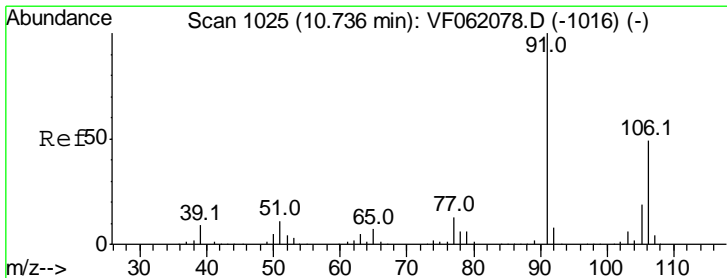
Manual Integrations
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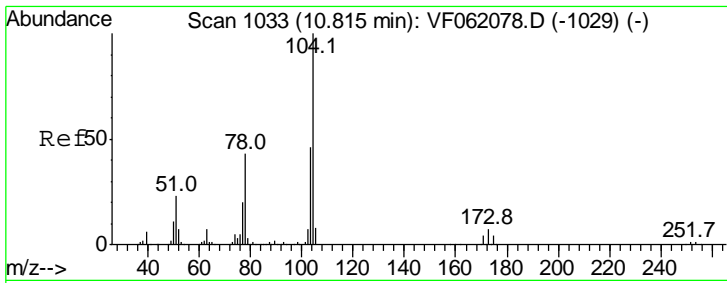
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#69
 o-Xylene
 Concen: 59.639 ug/l
 RT: 10.72 min Scan# 1023
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
106	100		
91	228.7	102.6	307.8





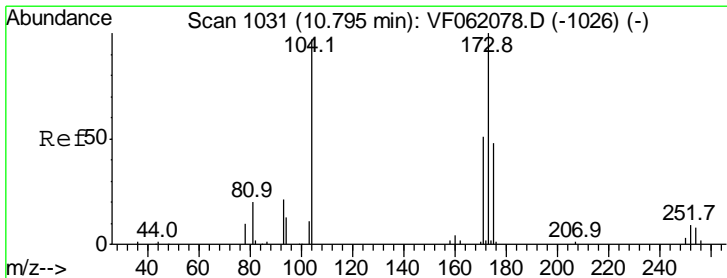
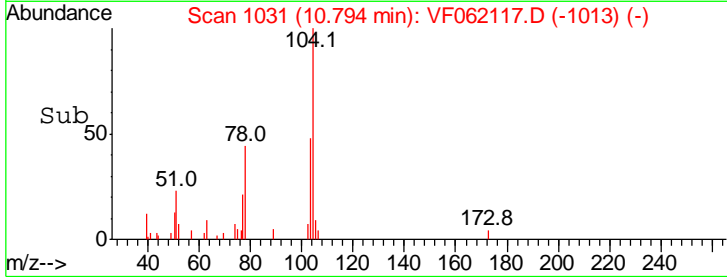
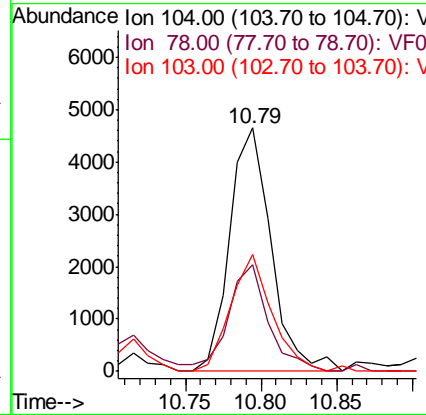
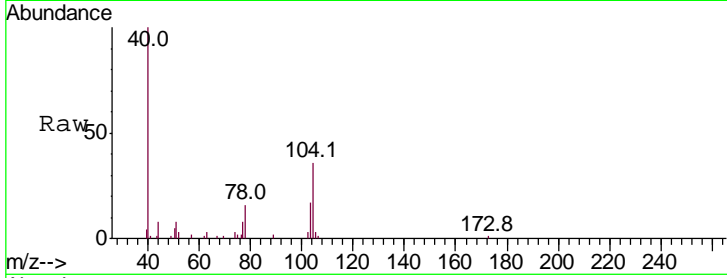
#70
 Styrene
 Concen: 39.473 ug/l
 RT: 10.79 min Scan# 1031
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

Tgt Ion	Ratio	Lower	Upper
104	100		
78	43.6	34.3	51.5
103	47.9	36.9	55.3

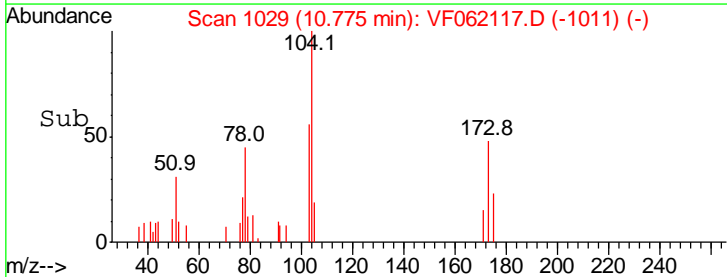
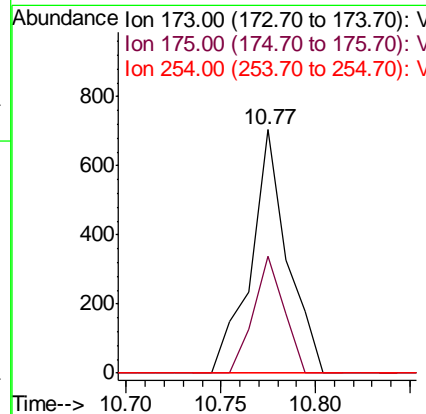
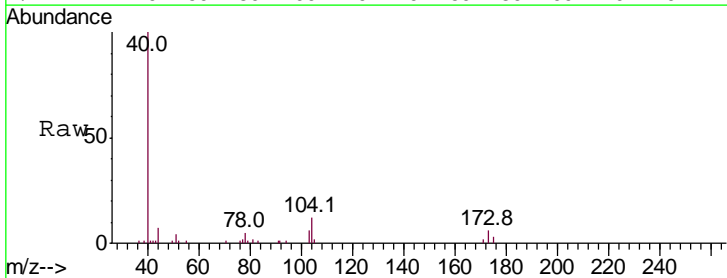
Manual Integrations
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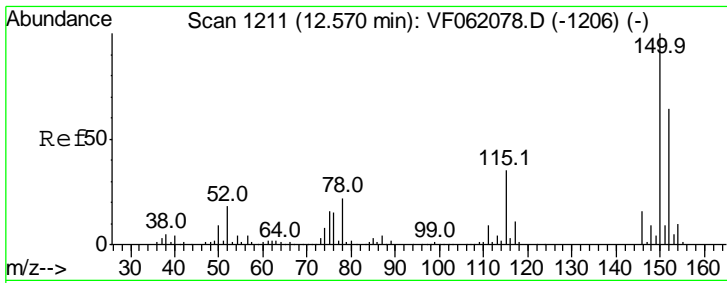
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#71
 Bromoform
 Concen: 21.040 ug/l
 RT: 10.77 min Scan# 1029
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.1	72.4
254	0.0	6.2	9.4#





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

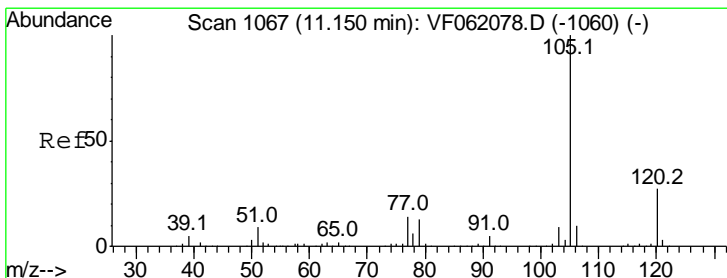
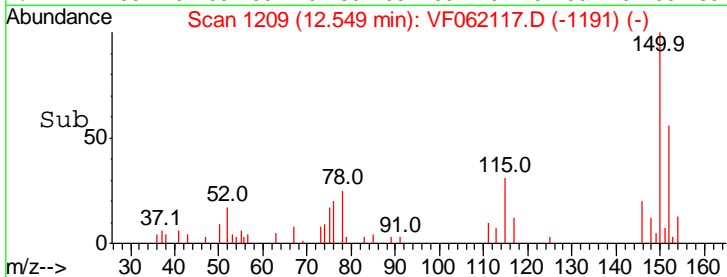
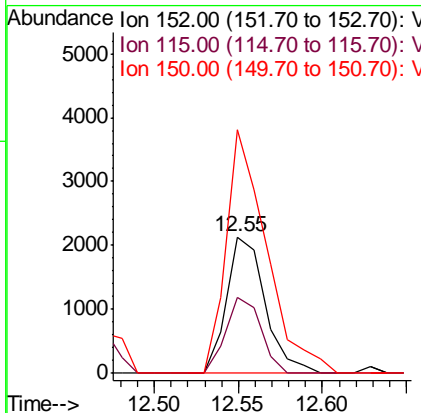
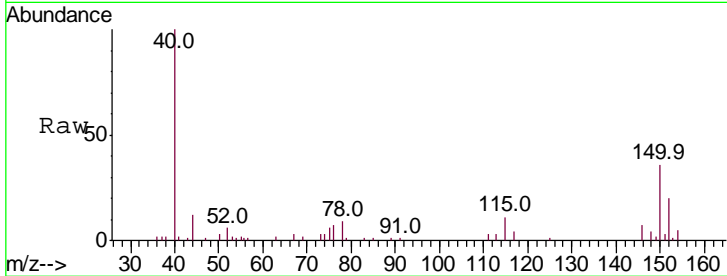
Instrument : MSVOA_F
 Client Sampled : WP022SB439-190318-(13-14)MS

Tgt Ion: 152 Resp: 3400

Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.7	83.1
150	178.6	0.0	313.2

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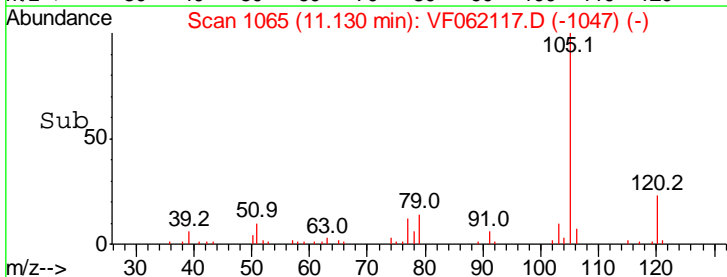
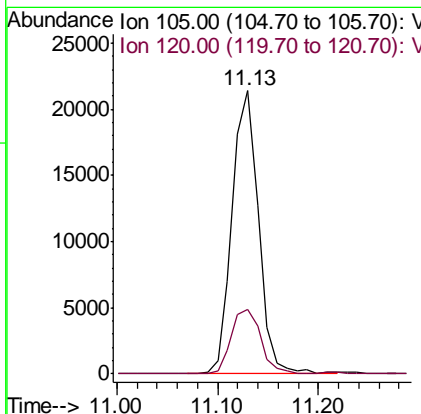
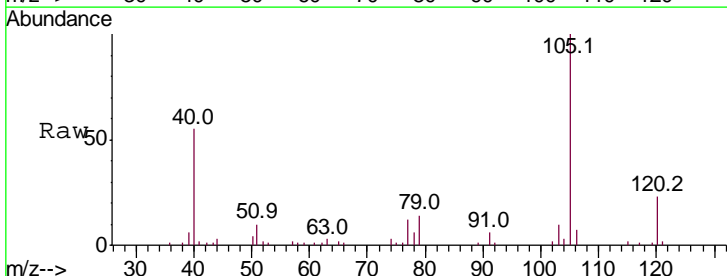
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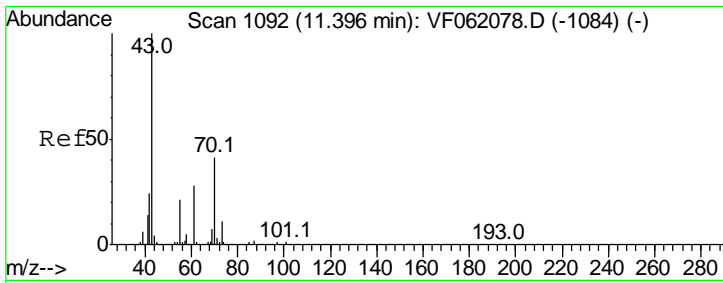


#73
 Isopropylbenzene
 Concen: 163.163 ug/l
 RT: 11.13 min Scan# 1065
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion: 105 Resp: 39036

Ion	Ratio	Lower	Upper
105	100		
120	22.6	13.8	41.3



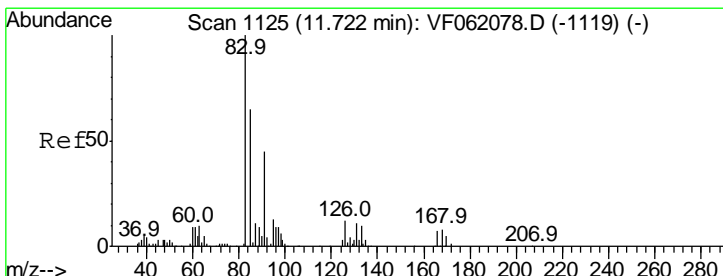
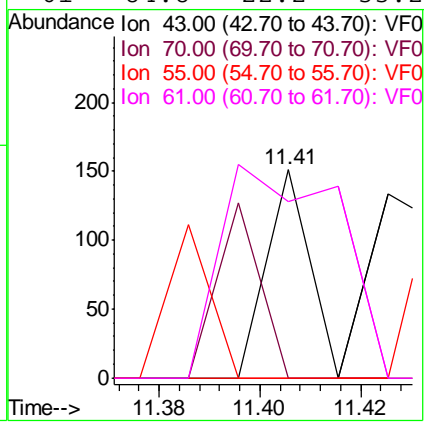
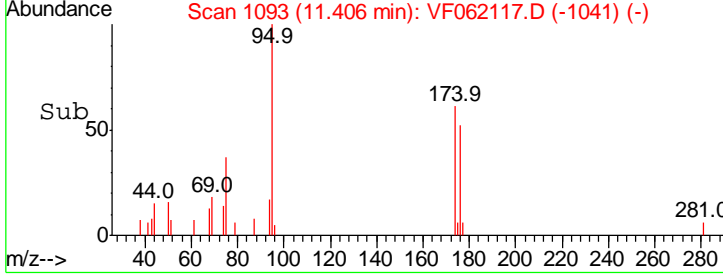
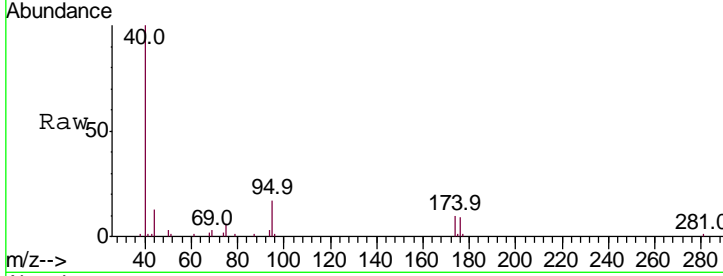


#74
 N-amyl acetate
 Concen: 1.561 ug/l
 RT: 11.41 min Scan# 1093
 Delta R.T. 0.01 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 Client Sampled : WP022SB439-190318-(13-14)MS

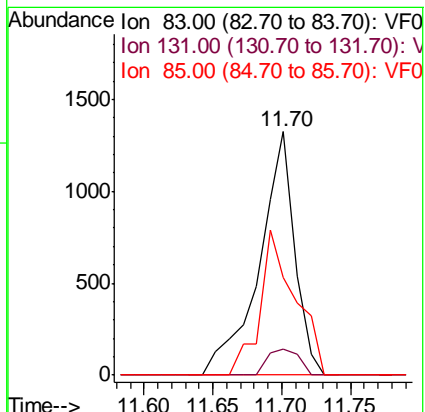
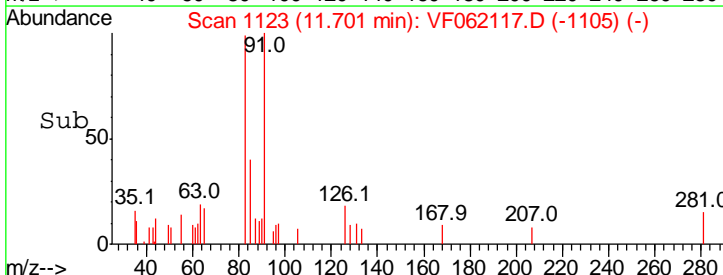
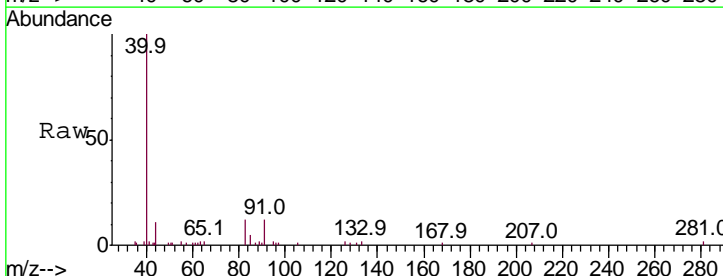
Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.9	49.3#
55	0.0	17.1	25.7#
61	84.8	22.2	33.2#

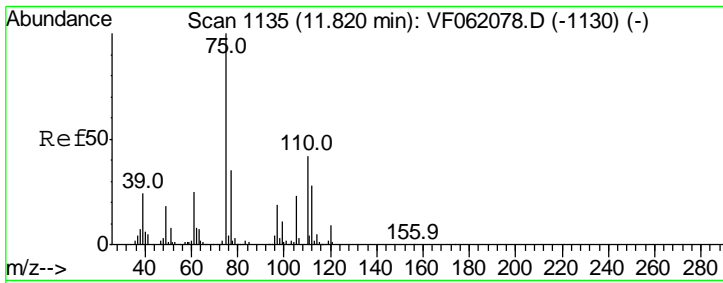
Manual Integrations
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#75
 1,1,2,2-Tetrachloroethane
 Concen: 57.791 ug/l
 RT: 11.70 min Scan# 1123
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	15.8
85	40.2	32.6	98.0



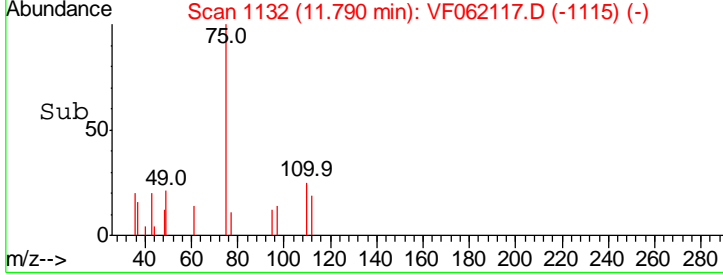
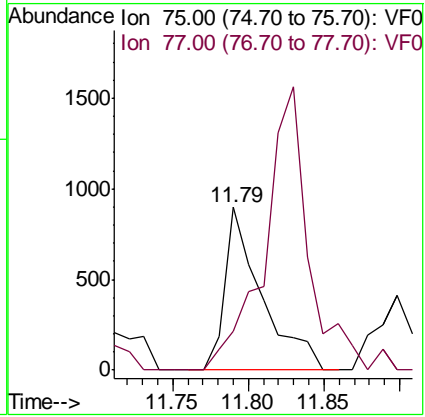
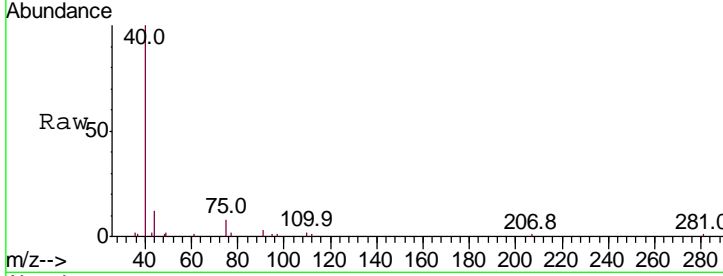


#76
 1,2,3-Trichloropropane
 Concen: 52.889 ug/l
 RT: 11.79 min Scan# 1132
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

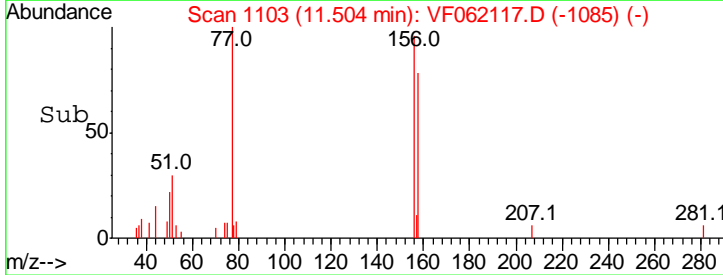
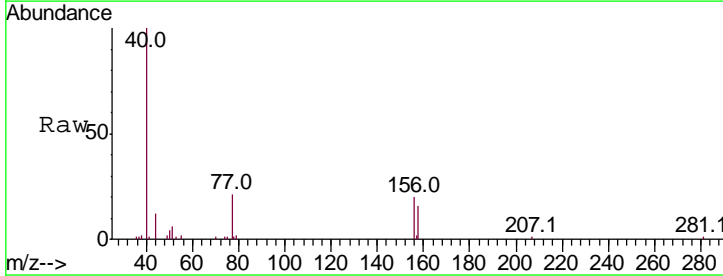
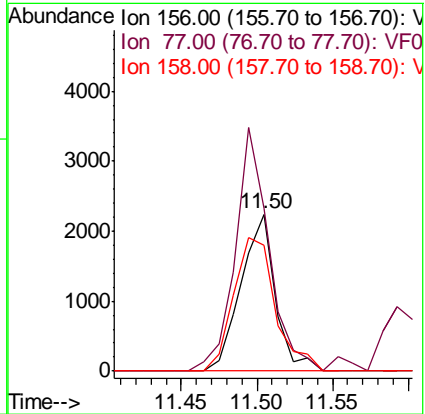
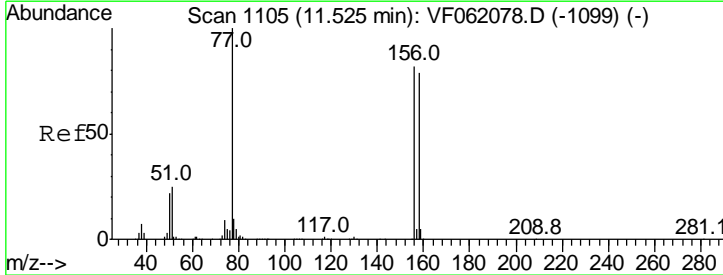
Tgt Ion	Resp	Lower	Upper
75	1529		
75	100		
77	24.2	17.8	53.3

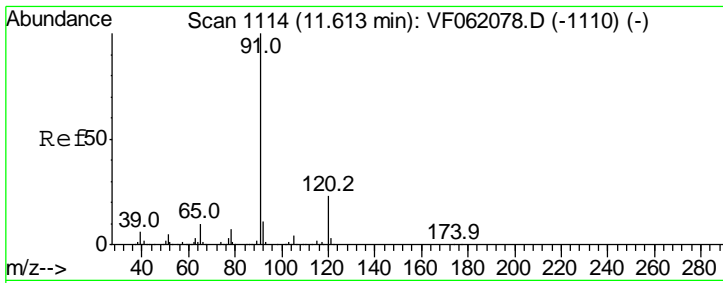
Manual Integrations
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 MMDadoda
 3/25/2019 12:40:30 PM



#77
 Bromobenzene
 Concen: 60.563 ug/l
 RT: 11.50 min Scan# 1103
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
156	3540		
156	100		
77	103.7	61.3	183.9
158	80.5	48.6	145.9



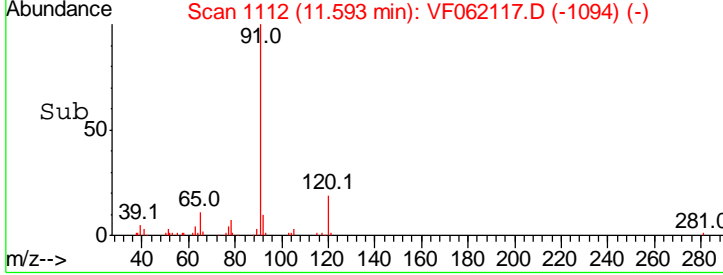
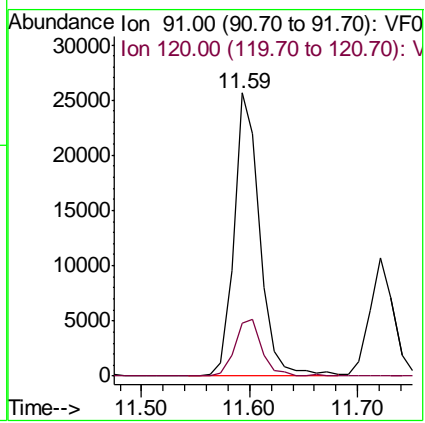
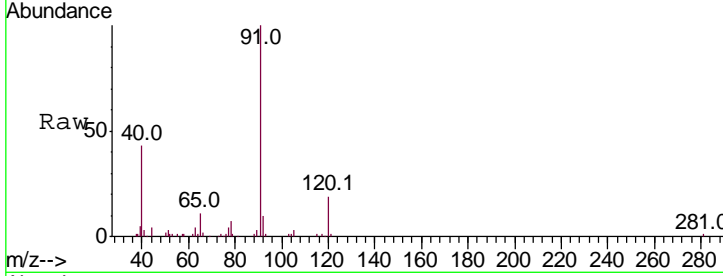


#78
 n-propylbenzene
 Concen: 152.090 ug/l
 RT: 11.59 min Scan# 1112
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument :
 MSVOA_F
Client Sampled :
 WP022SB439-190318-(13-14)MS

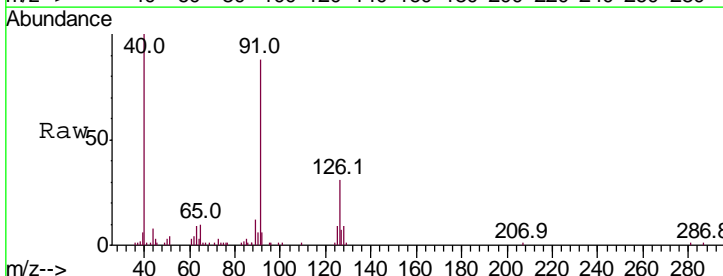
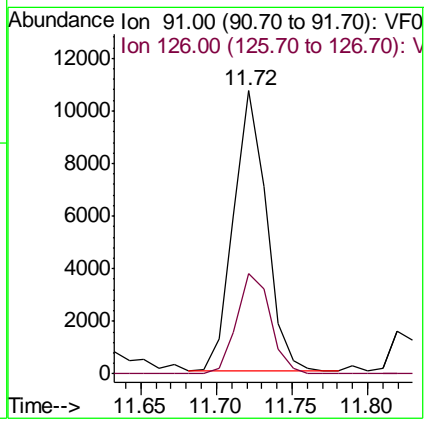
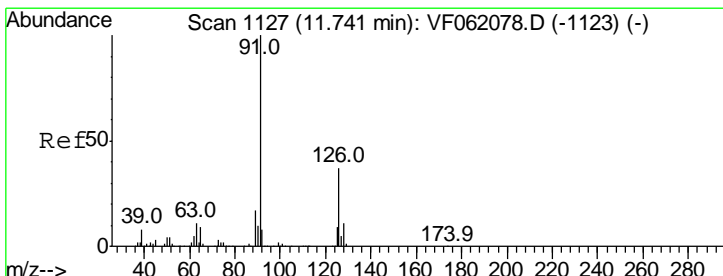
Tgt Ion: 91 Resp: 42252
 Ion Ratio Lower Upper
 91 100
 120 18.7 11.3 33.8

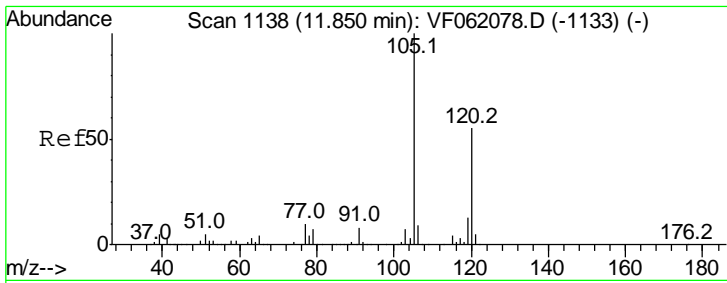
Manual Integrations
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 3/25/2019 12:40:30 PM



#79
 2-Chlorotoluene
 Concen: 104.202 ug/l
 RT: 11.72 min Scan# 1125
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion: 91 Resp: 16090
 Ion Ratio Lower Upper
 91 100
 126 35.6 18.3 54.8





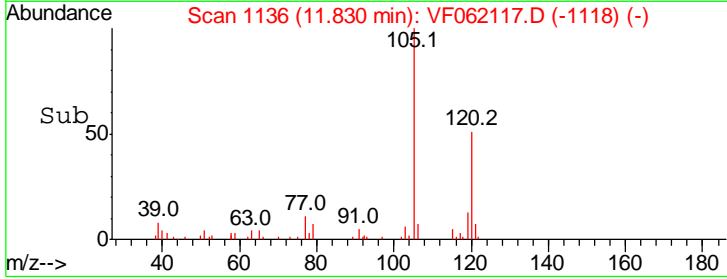
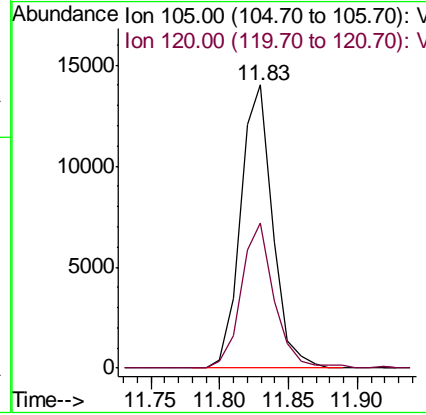
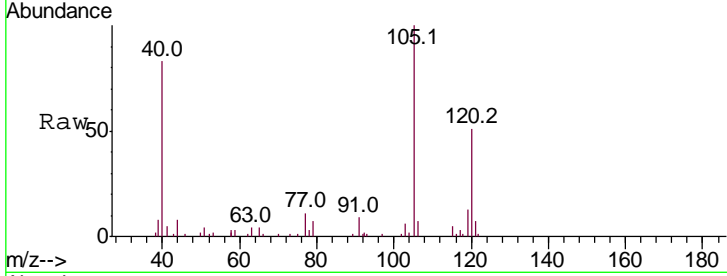
#80
 1,3,5-Trimethylbenzene
 Concen: 115.194 ug/l
 RT: 11.83 min Scan# 1136
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 Client Sampled : WP022SB439-190318-(13-14)MS

Tgt Ion	Resp	Lower	Upper
105	100		
120	51.1	27.8	83.3

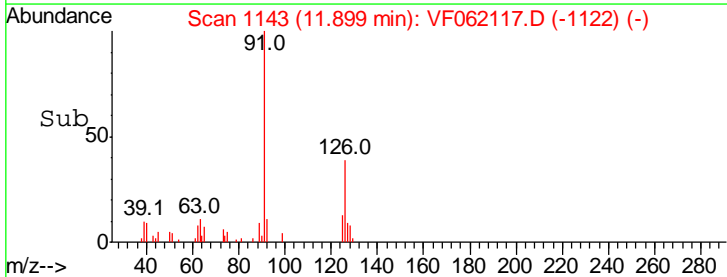
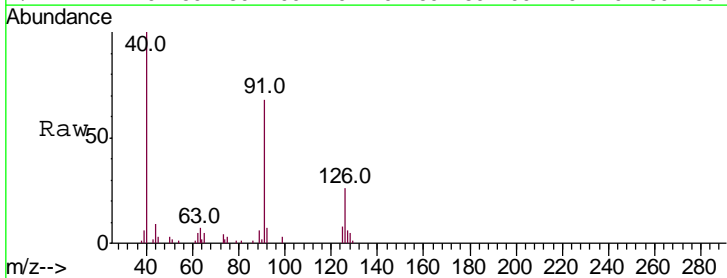
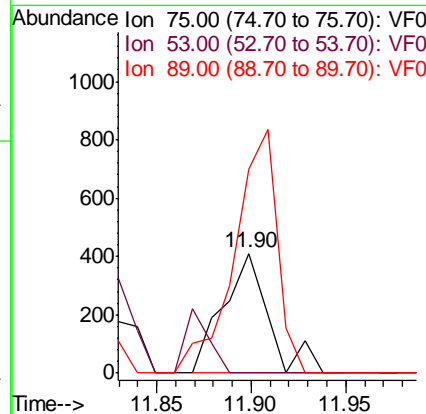
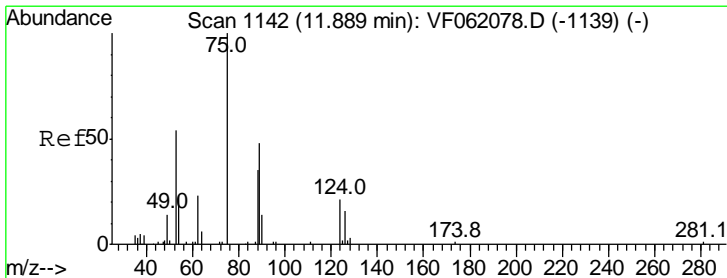
Manual Integrations
APPROVED

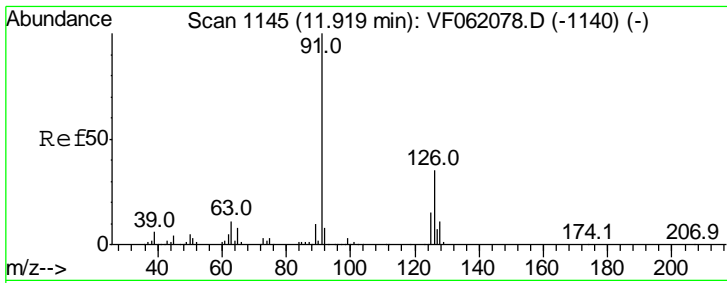
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 3/25/2019 12:40:30 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.234 ug/l
 RT: 11.90 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.0	49.4	74.0#
89	170.7	40.6	60.8#



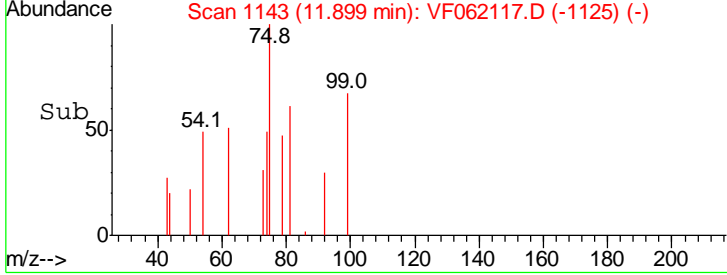
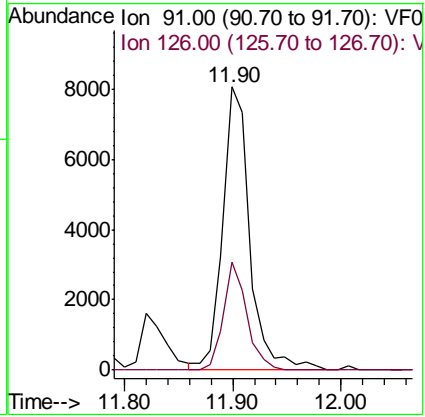
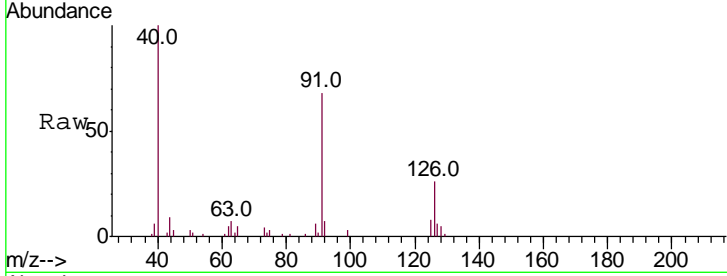


#82
 4-Chlorotoluene
 Concen: 88.768 ug/l
 RT: 11.90 min Scan# 1143
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

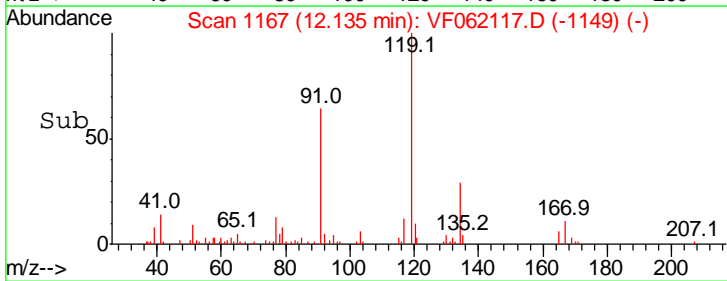
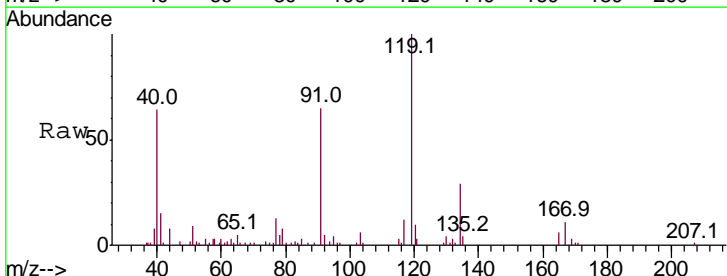
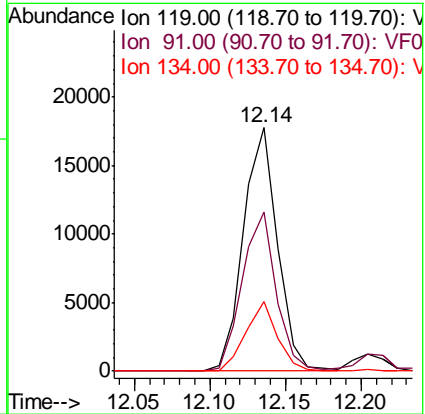
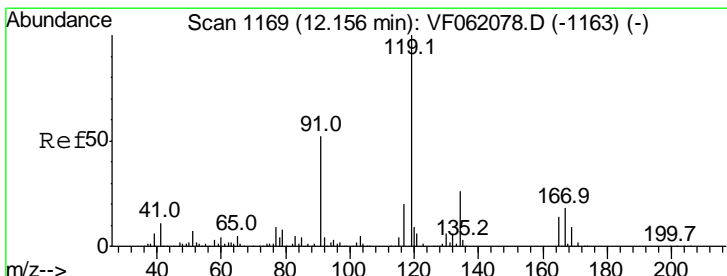
Tgt Ion	Resp	Lower	Upper
91	14054	100	
126	38.3	17.2	51.6

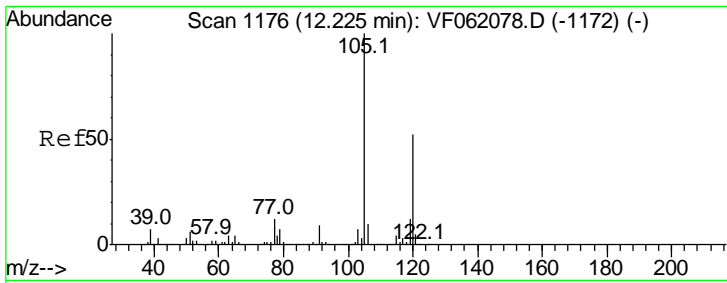
Manual Integrations
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#83
 tert-Butylbenzene
 Concen: 135.581 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
119	27930	100	
91	65.2	26.1	78.2
134	28.7	12.8	38.4



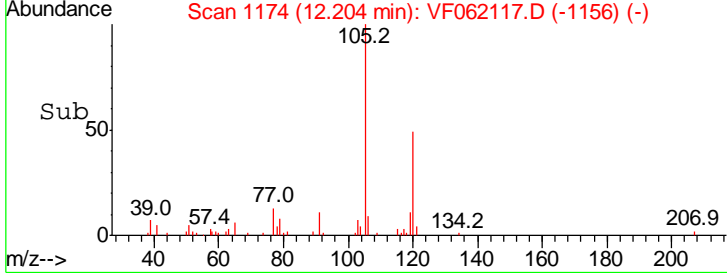
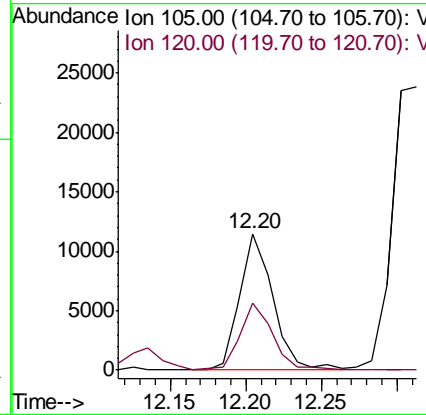
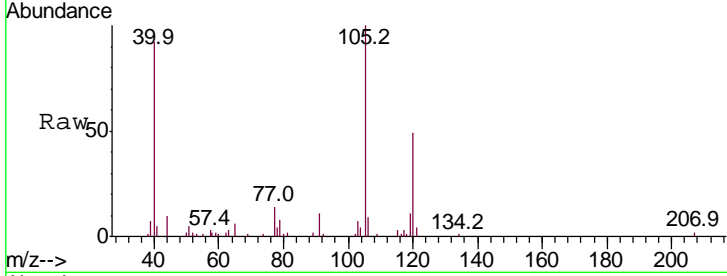


#84
 1,2,4-Trimethylbenzene
 Concen: 91.309 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 Client Sampled : WP022SB439-190318-(13-14)MS

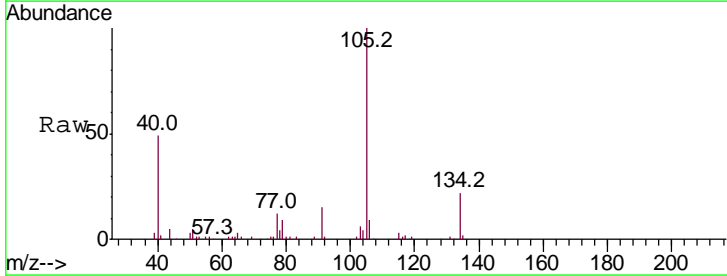
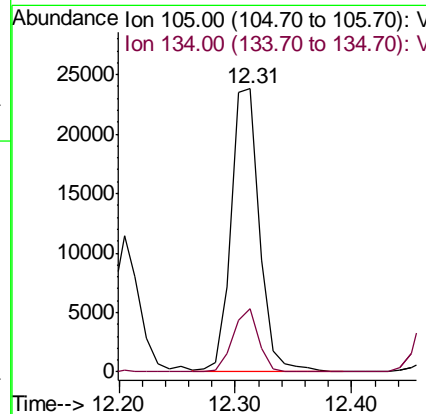
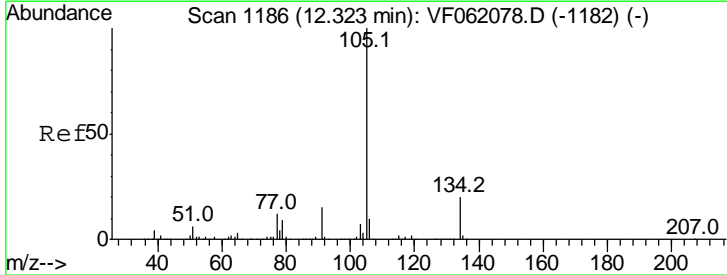
Tgt Ion	Resp	Lower	Upper
105	17615		
105	100		
120	49.4	26.1	78.2

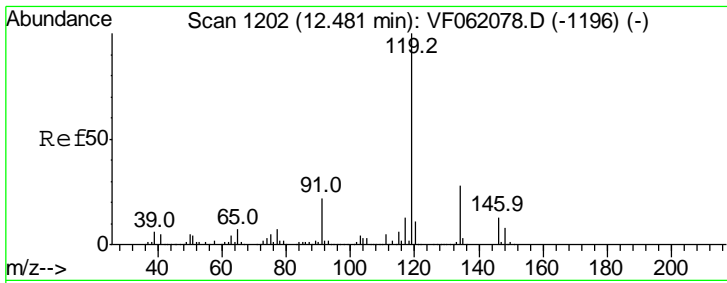
Manual Integrations
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#85
 sec-Butylbenzene
 Concen: 151.844 ug/l
 RT: 12.31 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
105	40466		
105	100		
134	22.2	10.2	30.4





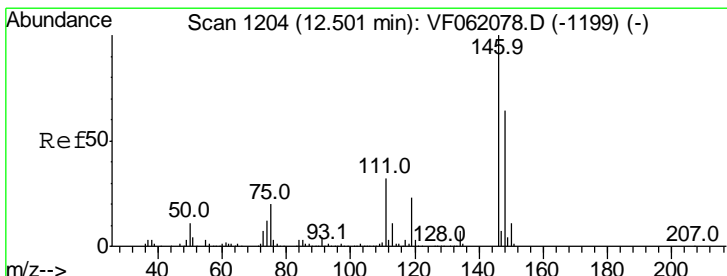
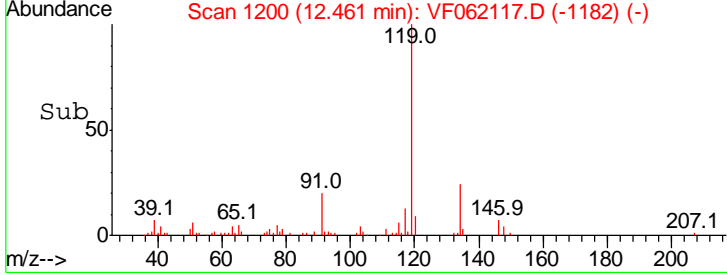
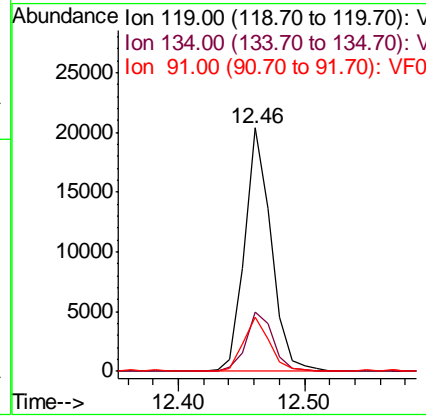
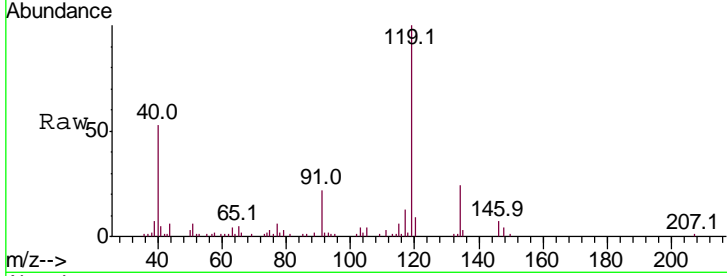
#86
 p-Isopropyltoluene
 Concen: 128.184 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

Tgt Ion	Resp	Lower	Upper
119	100		
134	24.2	14.0	42.0
91	22.1	10.8	32.4

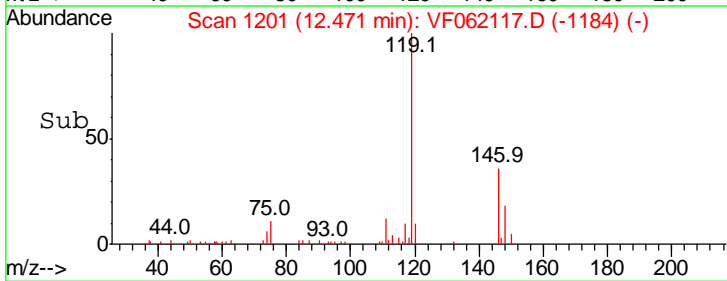
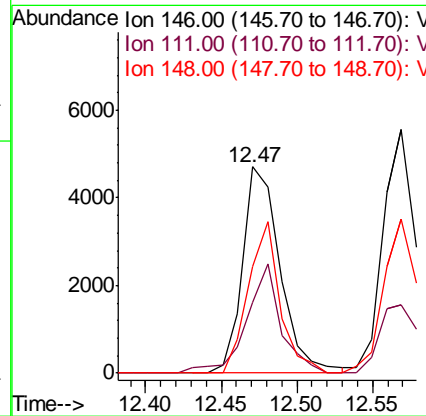
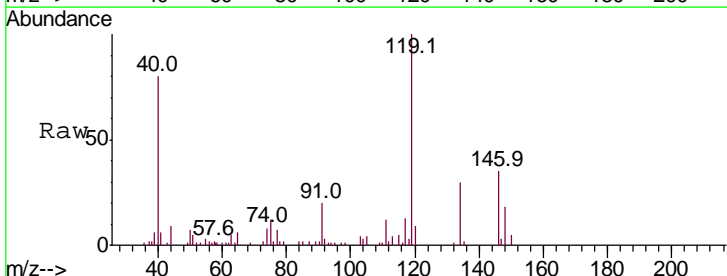
Manual Integrations
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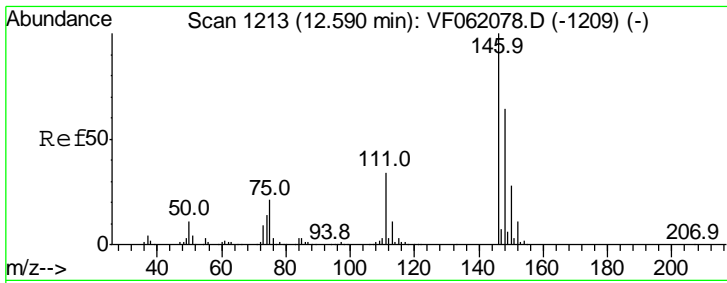
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#87
 1,3-Dichlorobenzene
 Concen: 74.975 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.03 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Resp	Lower	Upper
146	100		
111	34.6	16.1	48.3
148	51.8	31.9	95.7





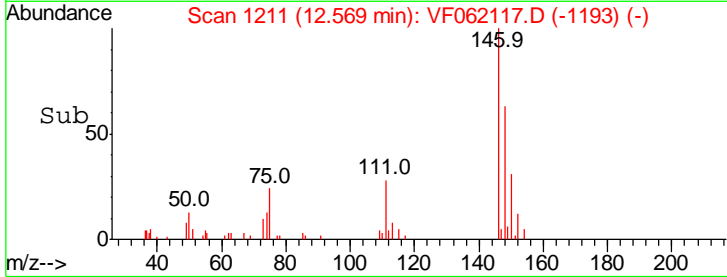
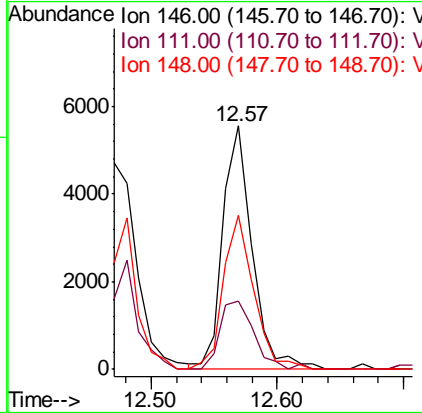
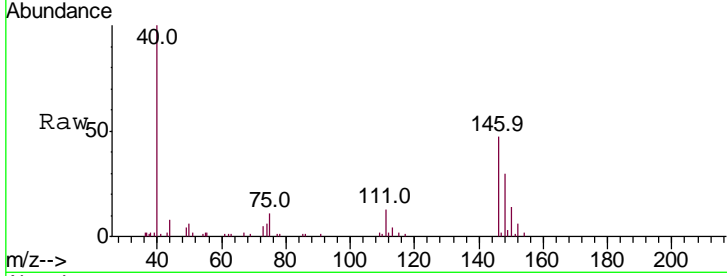
#88
 1,4-Dichlorobenzene
 Concen: 84.762 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

Tgt Ion	Ratio	Lower	Upper
146	100		
111	28.2	16.9	50.6
148	63.1	31.9	95.7

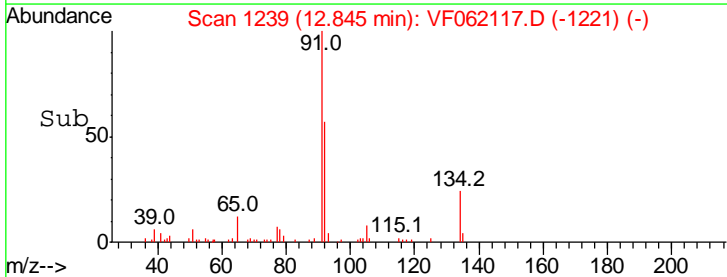
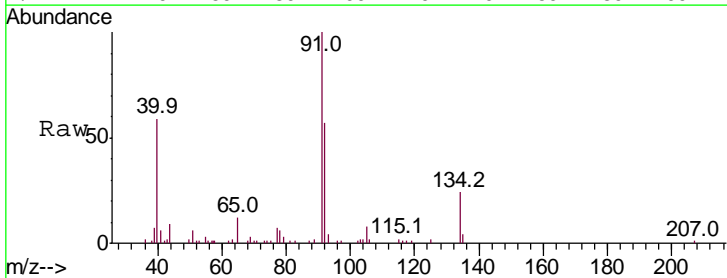
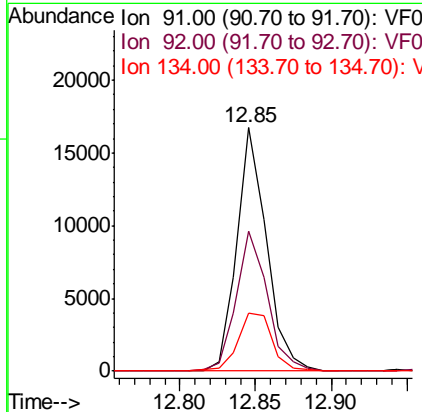
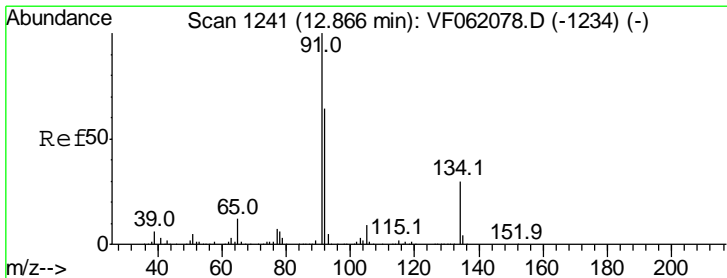
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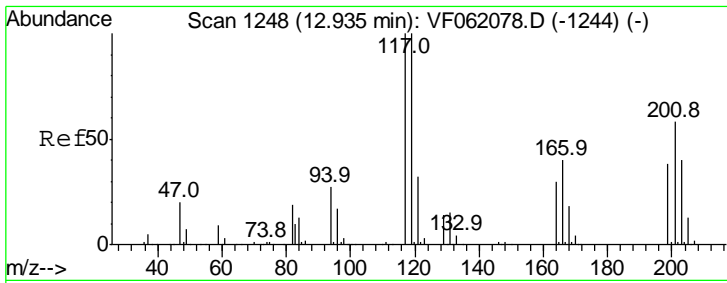
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#89
 n-Butylbenzene
 Concen: 103.528 ug/l
 RT: 12.85 min Scan# 1239
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.4	31.9	95.5
134	23.7	14.9	44.9



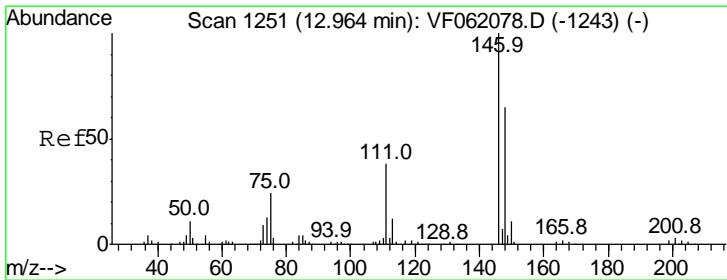
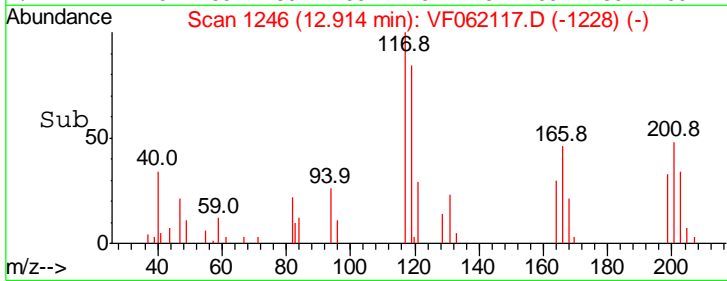
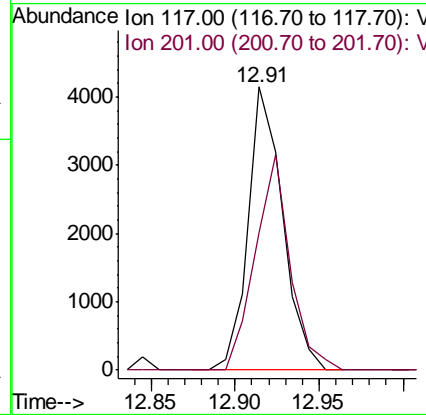
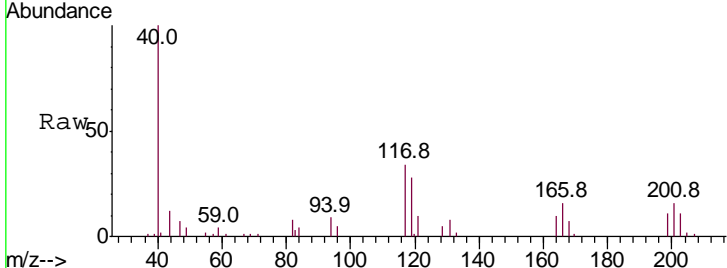


#90
 Hexachloroethane
 Concen: 107.463 ug/l
 RT: 12.91 min Scan# 1246
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

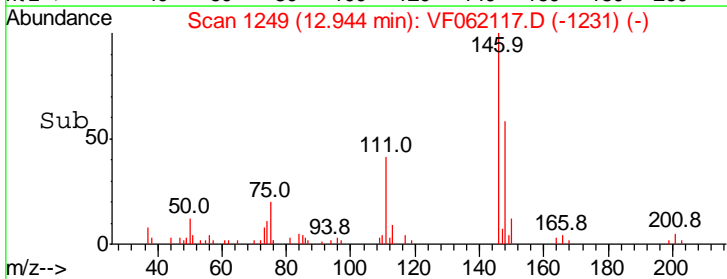
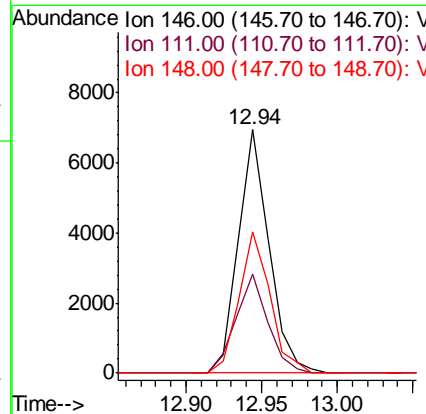
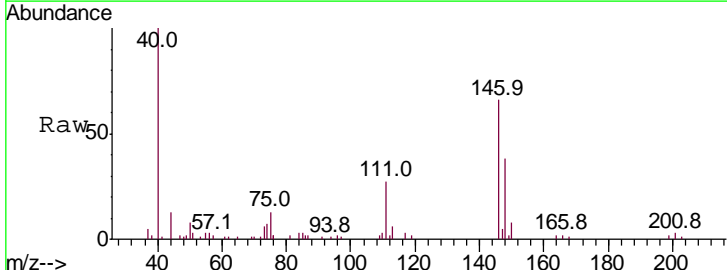
Tgt Ion	Ratio	Lower	Upper
117	100		
201	48.5	28.7	86.1

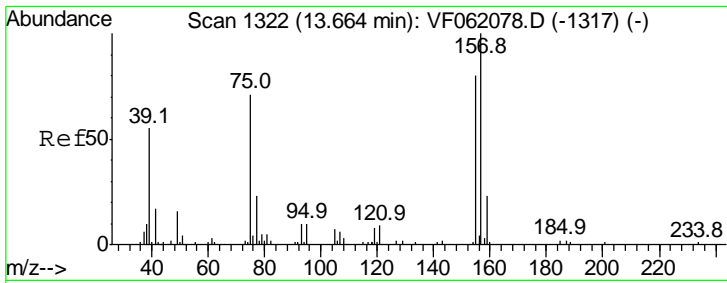
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#91
 1,2-Dichlorobenzene
 Concen: 95.655 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.1	57.3
148	57.9	32.8	98.3





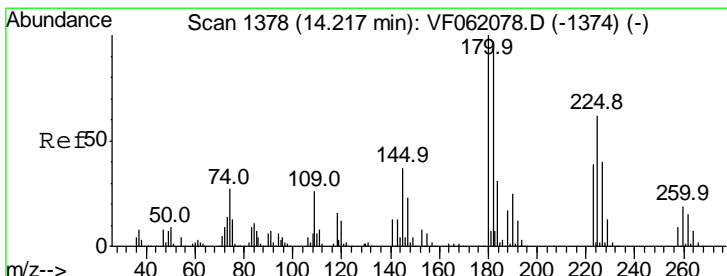
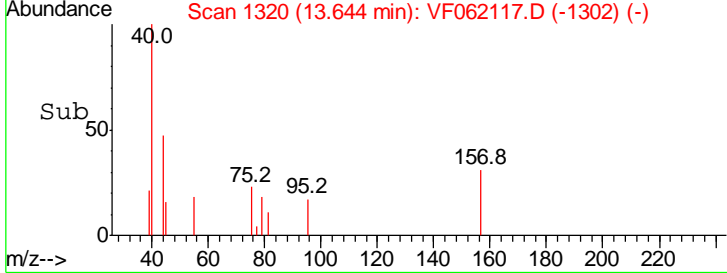
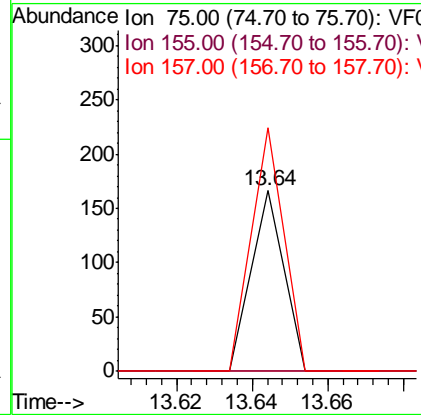
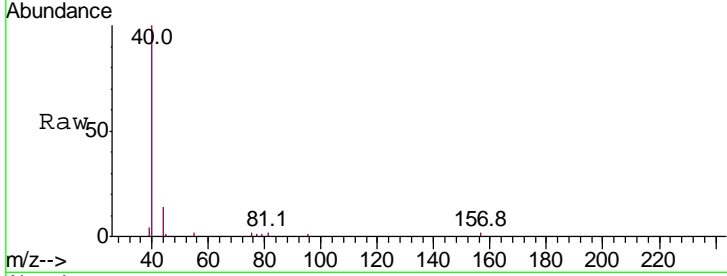
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.745 ug/l
 RT: 13.64 min Scan# 1320
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampled : WP022SB439-190318-(13-14)MS

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	56.1	168.4#
157	134.9	70.4	211.2

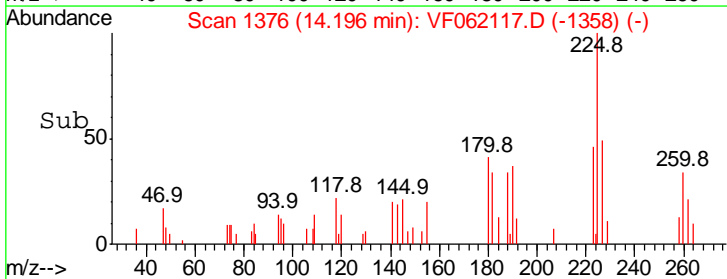
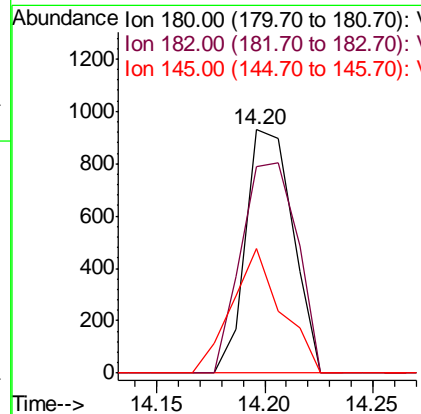
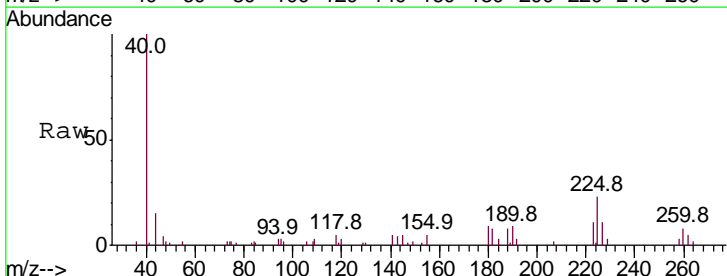
Manual Integrations
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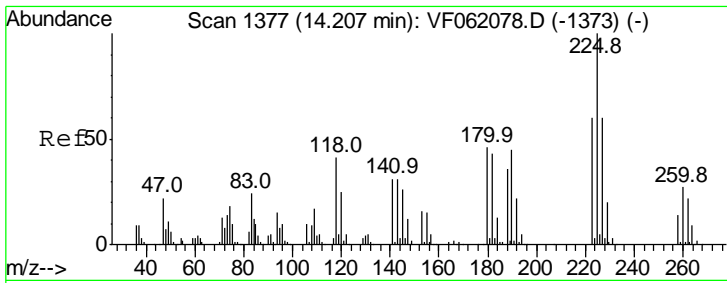
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#93
 1,2,4-Trichlorobenzene
 Concen: 19.854 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	84.9	48.7	146.1
145	51.2	18.3	54.8





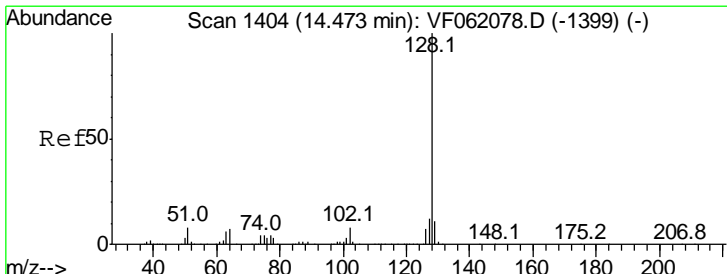
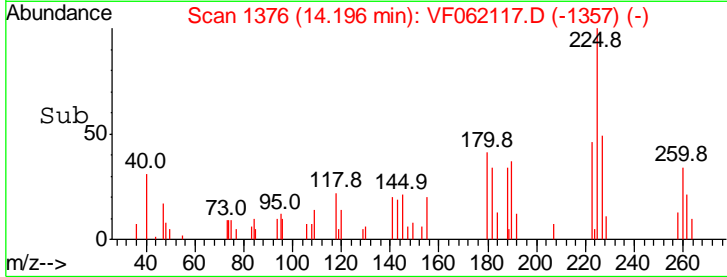
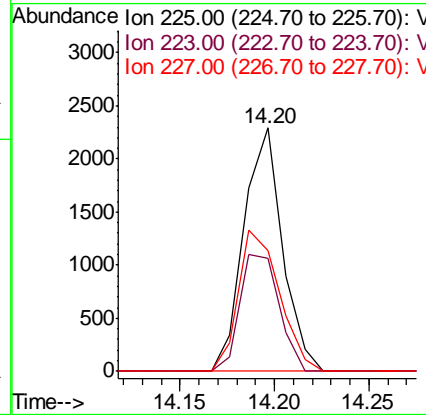
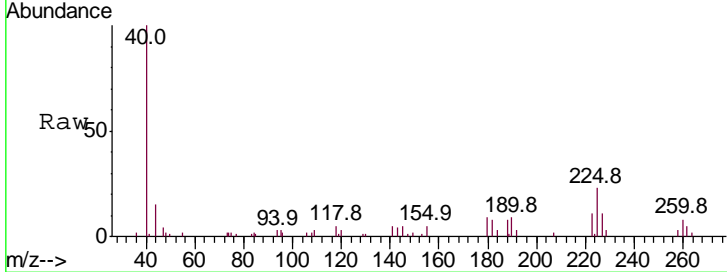
#94
 Hexachlorobutadiene
 Concen: 68.397 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 Client Sampled : WP022SB439-190318-(13-14)MS

Tgt Ion	Ratio	Lower	Upper
225	100		
223	46.2	30.0	90.0
227	49.4	30.2	90.6

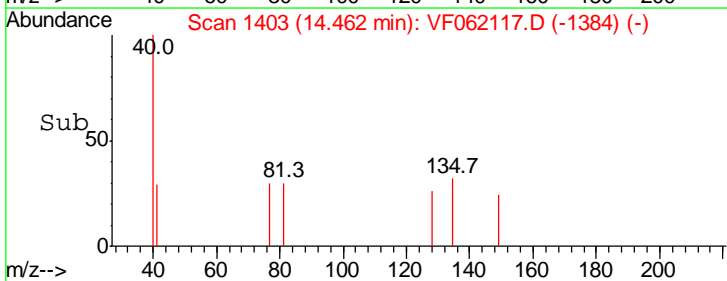
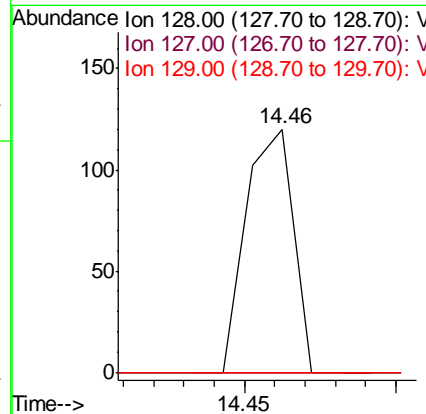
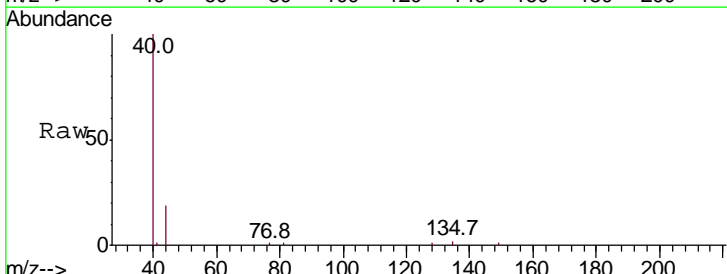
Manual Integrations
 APPROVED

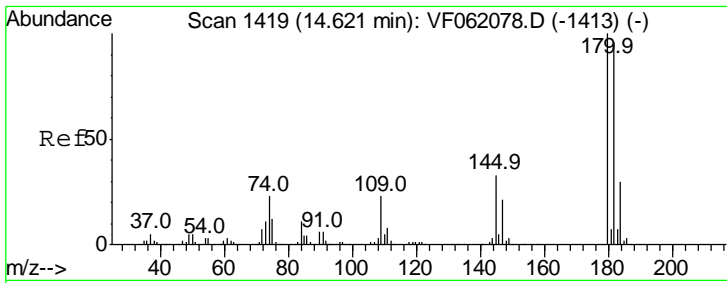
MMDadoda
 3/25/2019 12:40:30 PM



#95
 Naphthalene
 Concen: 1.052 ug/l
 RT: 14.46 min Scan# 1403
 Delta R.T. -0.01 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.5	14.3#
129	0.0	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 7.246 ug/l
 RT: 14.61 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VF062117.D
 Acq: 23 Mar 2019 15:10

Instrument : MSVOA_F
 ClientSampleId : WP022SB439-190318-(13-14)MS

Tot Ion:180 Resp: 482

Ion	Ratio	Lower	Upper
180	100		
182	56.3	47.9	143.7
145	26.1	16.6	49.7

Manual Integrations
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