

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\  
 Data File : VF059819.D  
 Acq On : 2 Aug 2018 23:48  
 Operator : VA/AP  
 Sample : VF0802SBSD01  
 Misc : 5.00µ/5mL/MSVOA F/SOIL  
 ALS Vial : 100 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_F  
**Client Sampled :**  
 VF0802SBSD01

**Manual Integrations**  
**APPROVED**  
 apatel  
 8/3/2018 4:02:20 PM

Quant Time: Aug 03 08:02:41 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 31 15:23:22 2018  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	199767	50.00	µg/l	0.00
34) 1,4-Difluorobenzene	5.75	114	301316	50.00	µg/l	0.00
63) Chlorobenzene-d5	9.91	117	281663	50.00	µg/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	171737	50.00	µg/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	169976	47.34	µg/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
35) Dibromofluoromethane	4.29	113	146850	46.92	µg/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
50) Toluene-d8	7.70	98	347116	47.56	µg/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
62) 4-Bromofluorobenzene	11.50	95	186852	46.25	µg/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	56152	21.83	µg/l	93
3) Chloromethane	1.08	50	30612	23.81	µg/l	98
4) Vinyl Chloride	1.15	62	31679	23.64	µg/l #	85
5) Bromomethane	1.33	94	26324	23.68	µg/l	91
6) Chloroethane	1.41	64	18722	22.46	µg/l #	78
7) Trichlorofluoromethane	1.53	101	70477m	18.89	µg/l	
8) Diethyl Ether	1.70	74	12892	20.21	µg/l	71
9) 1,1,2-Trichlorotrifluoroet	1.89	101	45910	23.50	µg/l	96
10) Methyl Iodide	1.95	142	68188	22.72	µg/l	94
11) Tert butyl alcohol	2.70	59	18039	123.88	µg/l #	91
12) 1,1-Dichloroethene	1.85	96	33427	21.61	µg/l	90
13) Acrolein	2.09	56	3166	55.14	µg/l	91
14) Allyl chloride	2.19	41	56999	23.08	µg/l #	77
15) Acrylonitrile	3.07	53	31922	137.64	µg/l #	88
16) Acetone	2.33	43	55078	85.29	µg/l #	92
17) Carbon Disulfide	1.88	76	82618	23.14	µg/l #	92
18) Methyl Acetate	2.45	43	34050	32.20	µg/l	94
19) Methyl tert-butyl Ether	2.54	73	100426	21.29	µg/l	97
20) Methylene Chloride	2.27	84	36178m	21.67	µg/l	
21) trans-1,2-Dichloroethene	2.40	96	34455	24.12	µg/l	97
22) Diisopropyl ether	2.92	45	123410	23.63	µg/l	98
23) Vinyl Acetate	3.33	43	274252	102.13	µg/l	98
24) 1,1-Dichloroethane	2.99	63	79213	21.83	µg/l	99
25) 2-Butanone	4.50	43	76255	105.81	µg/l #	82
26) 2,2-Dichloropropane	3.74	77	52184	20.17	µg/l	94
27) cis-1,2-Dichloroethene	3.62	96	41407	21.31	µg/l	94
28) Bromochloromethane	3.88	49	29522	20.67	µg/l	86
29) Tetrahydrofuran	4.26	42	31718	114.51	µg/l	95
30) Chloroform	4.03	83	108185	21.12	µg/l	97
31) Cyclohexane	3.86	56	45482	23.69	µg/l	93
32) 1,1,1-Trichloroethane	4.27	97	83782	21.09	µg/l	95
36) 1,1-Dichloropropene	4.45	75	70067	20.65	µg/l	96
37) Ethyl Acetate	4.29	43	39492	23.84	µg/l	99
38) Carbon Tetrachloride	4.17	117	92417	19.29	µg/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	55829	21.53	µg/l	95
40) Benzene	4.80	78	129812	21.33	µg/l	97
41) Methacrylonitrile	4.92	41	16828	20.53	µg/l #	87
42) 1,2-Dichloroethane	5.10	62	82680	19.41	µg/l	100
43) Isopropyl Acetate	7.10	43	34590	19.20	µg/l #	88
44) Trichloroethene	5.67	130	48024	20.42	µg/l	90
45) 1,2-Dichloropropane	6.39	63	34970	21.76	µg/l	89
46) Dibromomethane	6.25	93	31285	20.51	µg/l	84
47) Bromodichloromethane	6.54	83	84039	20.23	µg/l	98
48) Methyl methacrylate	6.87	41	25693	18.96	µg/l	92
49) 1,4-Dioxane	6.87	88	3948	431.52	µg/l	97
51) 4-Methyl-2-Pentanone	8.40	43	154593	112.79	µg/l	99
52) Toluene	7.76	92	92532	21.33	µg/l	88
53) t-1,3-Dichloropropene	8.42	75	69869	19.38	µg/l	90
54) cis-1,3-Dichloropropene	7.45	75	72900	20.88	µg/l	98
55) 1,1,2-Trichloroethane	8.63	97	35127	21.31	µg/l	91
56) Ethyl methacrylate	8.75	69	37732	21.95	µg/l	94
57) 1,3-Dichloropropane	8.99	76	60146	21.27	µg/l	94
58) 2-Chloroethyl Vinyl ether	7.77	63	20120	101.39	µg/l	100
59) 2-Hexanone	9.62	43	109555	99.75	µg/l	92
60) Dibromochloromethane	8.85	129	58968	20.28	µg/l	87
61) 1,2-Dibromoethane	9.12	107	42565	22.12	µg/l	100
64) Tetrachloroethene	8.30	164	52792	25.61	µg/l	95
65) Chlorobenzene	9.93	112	124347	22.07	µg/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	57104	21.71	µg/l	97
67) Ethyl Benzene	10.03	91	223879	22.97	µg/l	98
68) m/p-Xylenes	10.26	106	155513	46.87	µg/l	96
69) o-Xylene	10.82	106	85336	23.76	µg/l	98
70) Styrene	10.90	104	124334	22.85	µg/l	96
71) Bromoform	10.88	173	38537	22.48	µg/l	90
73) Isopropylbenzene	11.22	105	276532	24.54	µg/l	99
74) N-amyl acetate	11.46	43	67983	23.91	µg/l	92
75) 1,1,2,2-Tetrachloroethane	11.78	83	58153	27.42	µg/l	94
76) 1,2,3-Trichloropropane	11.88	75	42843	23.75	µg/l	91
77) Bromobenzene	11.59	156	72673	24.70	µg/l	91
78) n-propylbenzene	11.68	91	301364	23.43	µg/l	99
79) 2-Chlorotoluene	11.81	91	192002	24.14	µg/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	237776	24.08	µg/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	14461m	19.36	µg/l	
82) 4-Chlorotoluene	11.98	91	200353	23.69	µg/l	100
83) tert-Butylbenzene	12.21	119	236474	23.38	µg/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	242119	24.37	µg/l	100
85) sec-Butylbenzene	12.38	105	306691	23.82	µg/l	96
86) p-Isopropyltoluene	12.54	119	266420	23.60	µg/l	98
87) 1,3-Dichlorobenzene	12.56	146	121356	21.99	µg/l	97
88) 1,4-Dichlorobenzene	12.64	146	123302	23.15	µg/l	96
89) n-Butylbenzene	12.91	91	251360	23.33	µg/l	94
90) Hexachloroethane	12.99	117	64026	22.53	µg/l	89
91) 1,2-Dichlorobenzene	13.01	146	126248	24.65	µg/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	13296	25.64	µg/l	79

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**ClientSampleId :**  
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	93060	22.22	ug/l	97
94) Hexachlorobutadiene	14.25	225	60641	21.53	ug/l	96
95) Naphthalene	14.52	128	185624	25.07	ug/l	96
96) 1,2,3-Trichlorobenzene	14.66	180	90350	22.08	ug/l	94

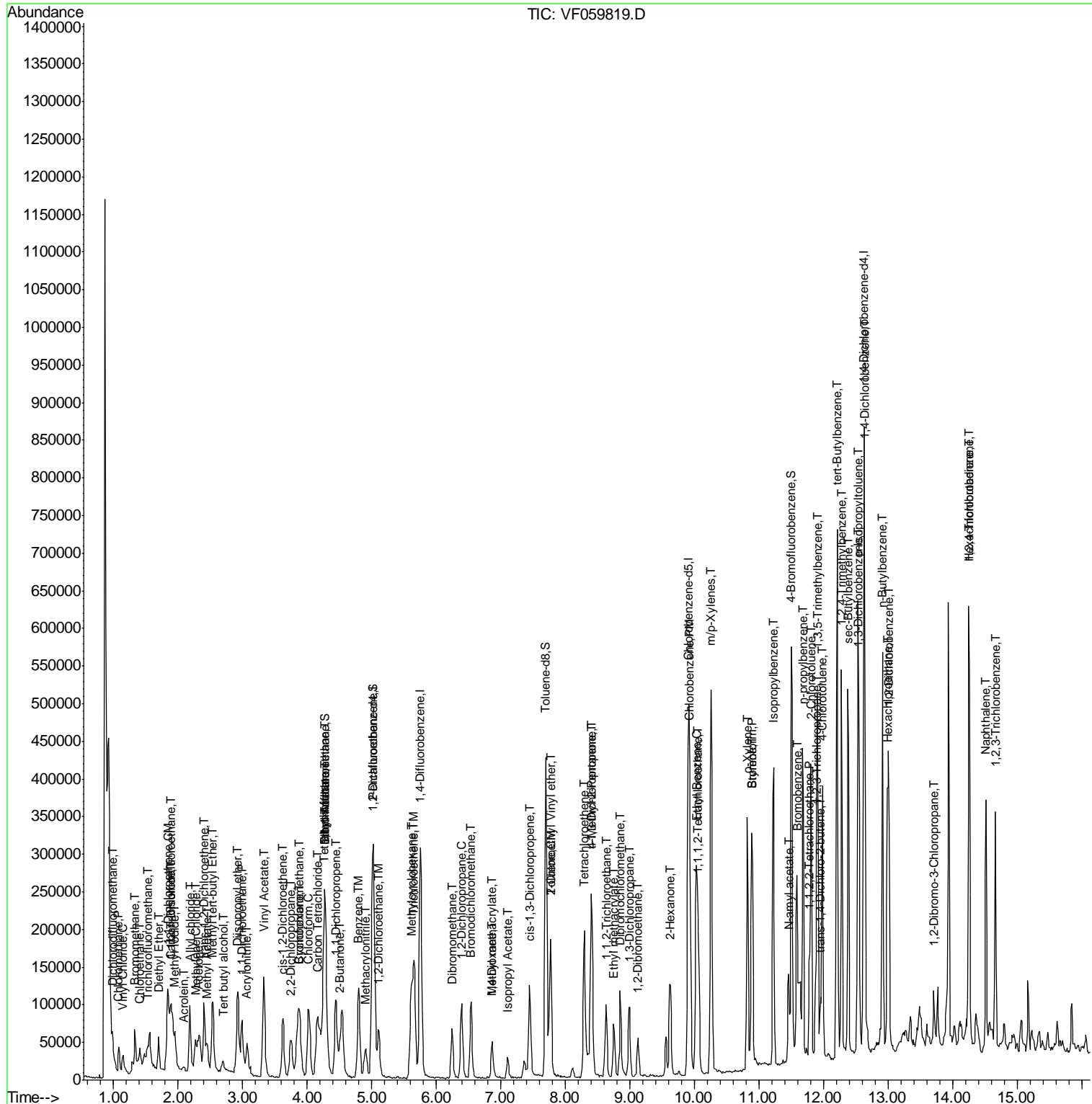
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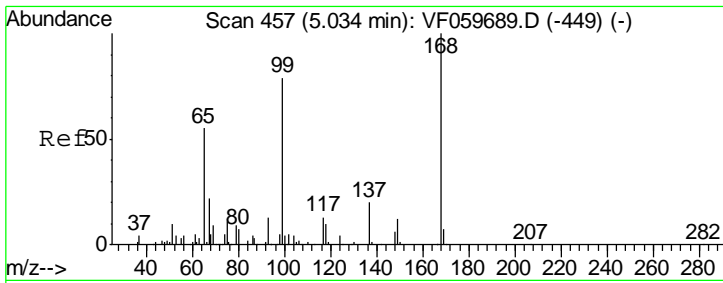
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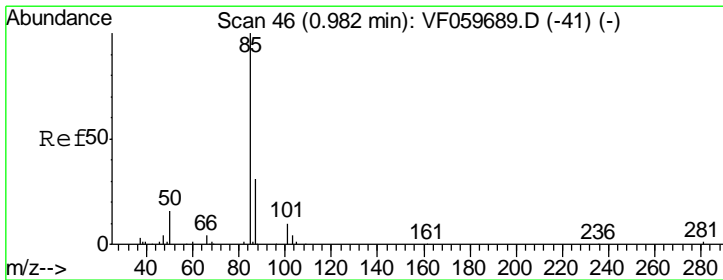
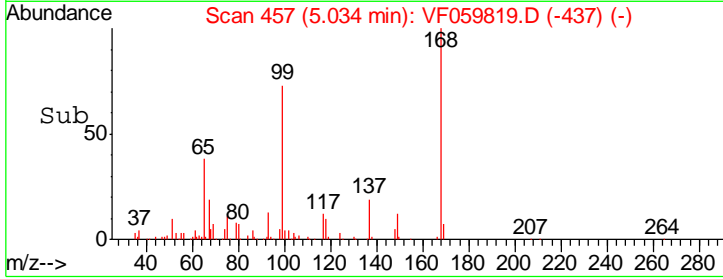
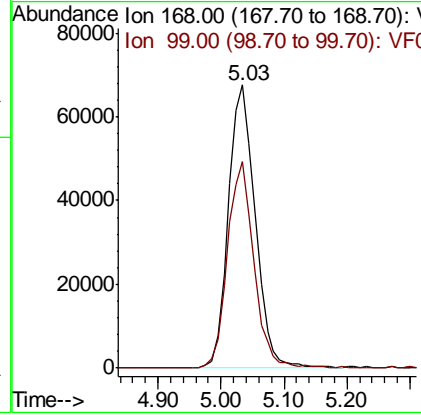
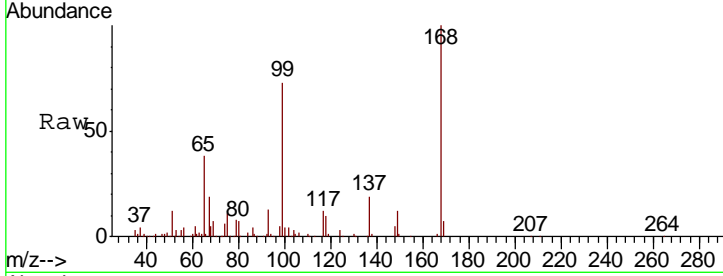
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 Pentafluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.03 min Scan# 457  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
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Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
168	100		
99	72.9	63.3	94.9

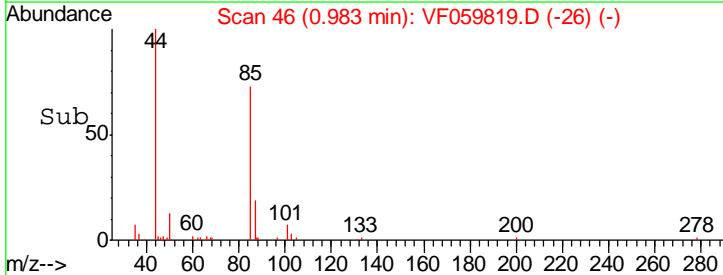
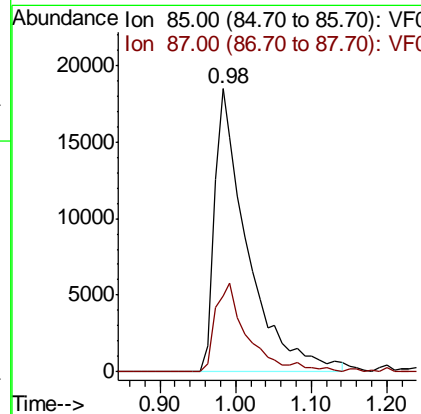
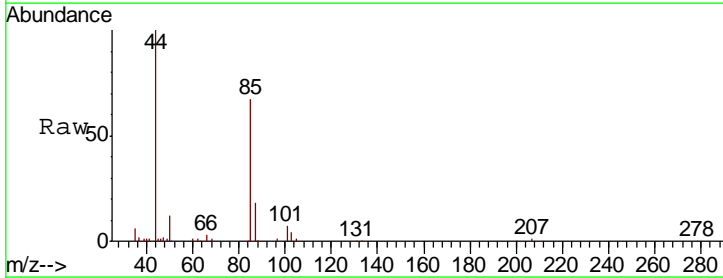
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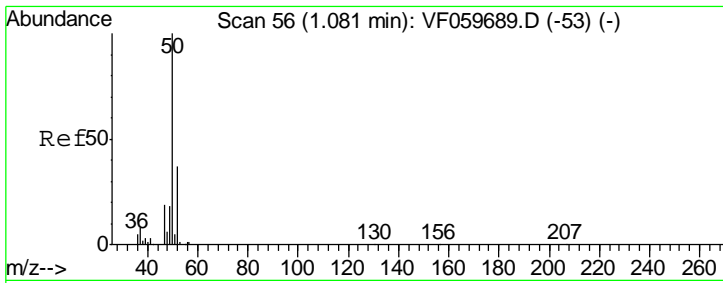
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#2  
 Dichlorodifluoromethane  
 Concen: 21.83 ug/l  
 RT: 0.98 min Scan# 46  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
85	100		
87	26.7	15.3	45.8





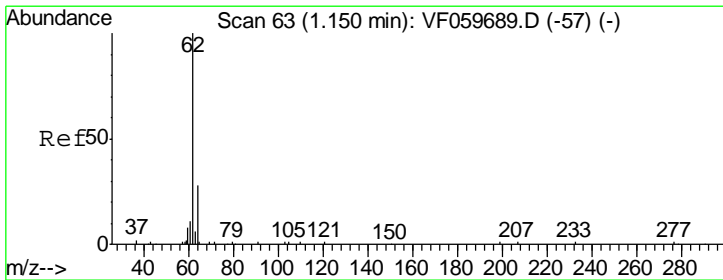
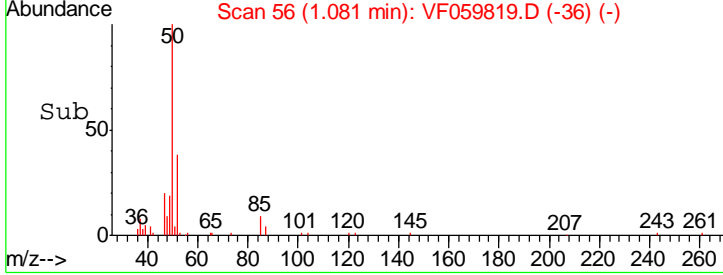
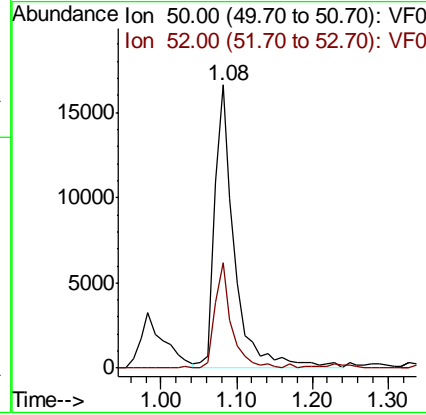
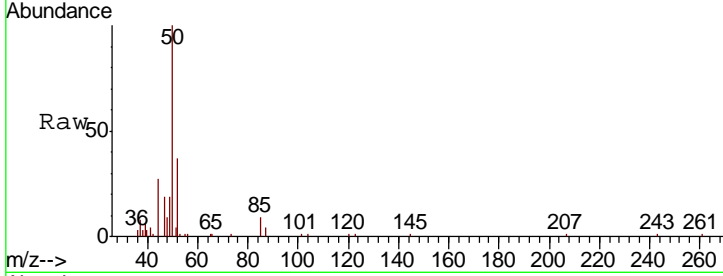
#3  
 Chloromethane  
 Concen: 23.81 ug/l  
 RT: 1.08 min Scan# 56  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
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Tgt Ion	Resp	Lower	Upper
50	30612		
52	37.4	29.1	43.7

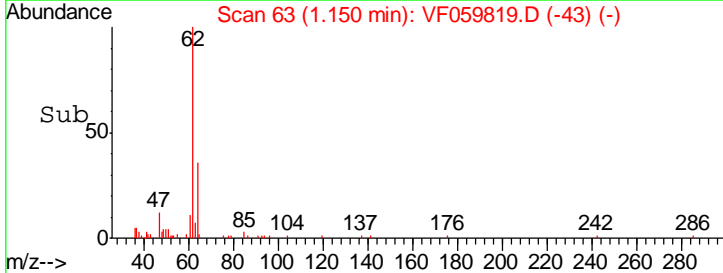
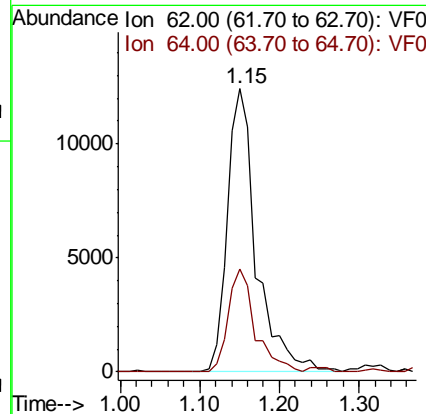
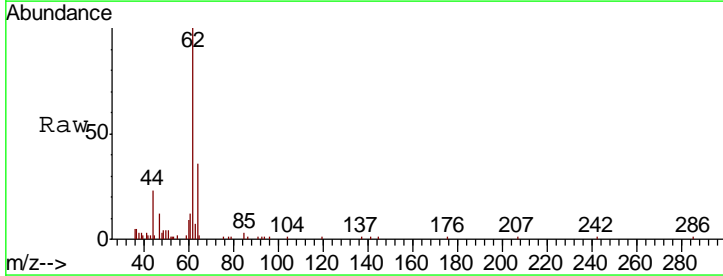
Manual Integrations  
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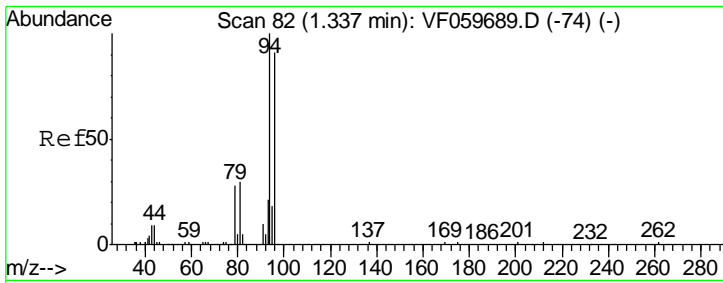
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#4  
 Vinyl Chloride  
 Concen: 23.64 ug/l  
 RT: 1.15 min Scan# 63  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
62	31679		
64	36.3	22.6	33.8#





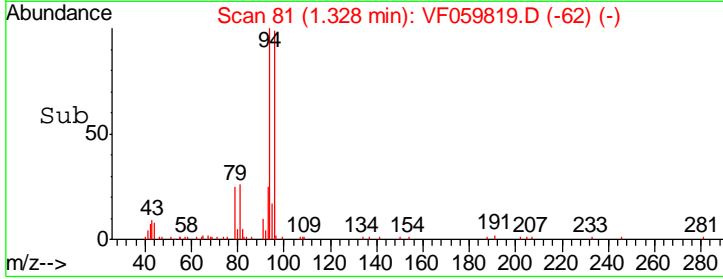
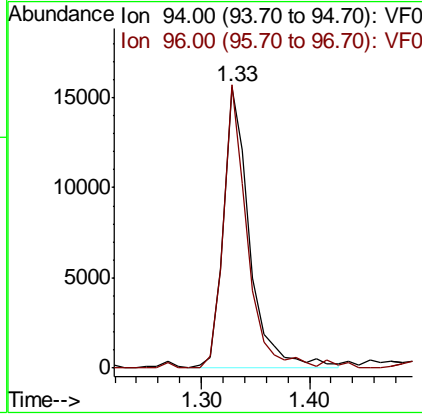
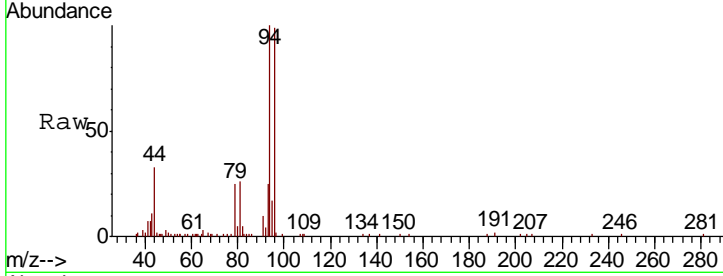
#5  
 Bromomethane  
 Concen: 23.68 ug/l  
 RT: 1.33 min Scan# 81  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

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Tgt Ion	Resp	Lower	Upper
94	26324		
96	100.7	73.6	110.4

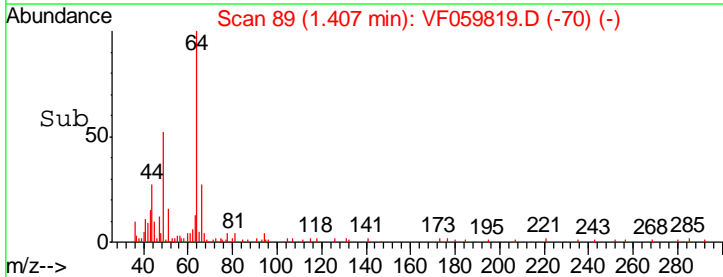
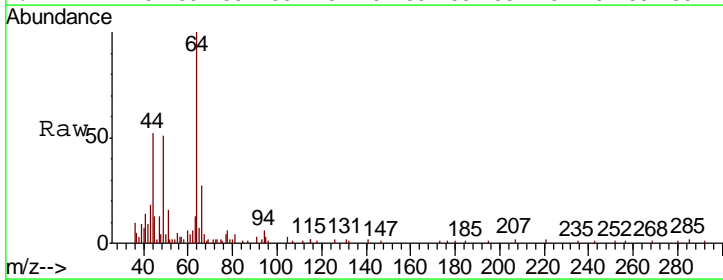
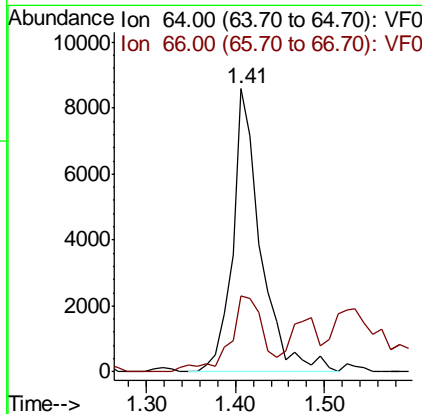
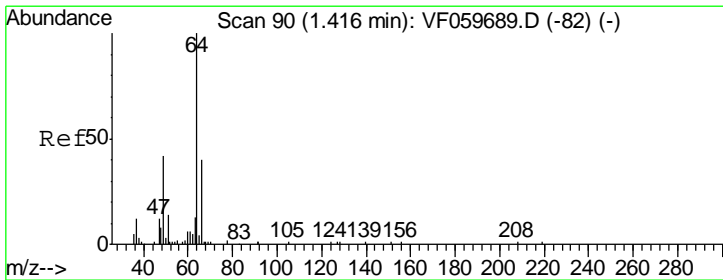
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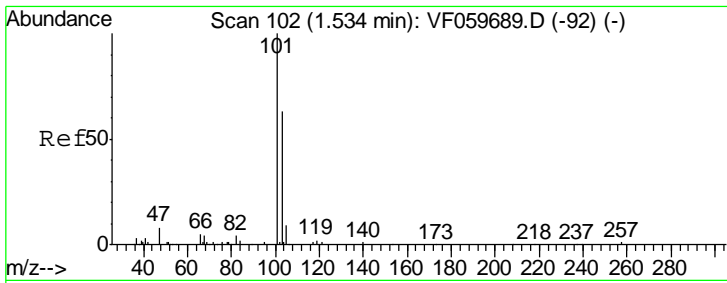
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#6  
 Chloroethane  
 Concen: 22.46 ug/l  
 RT: 1.41 min Scan# 89  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
64	18722		
66	27.0	32.6	49.0#





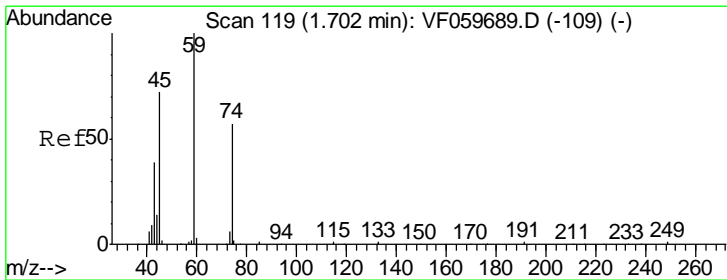
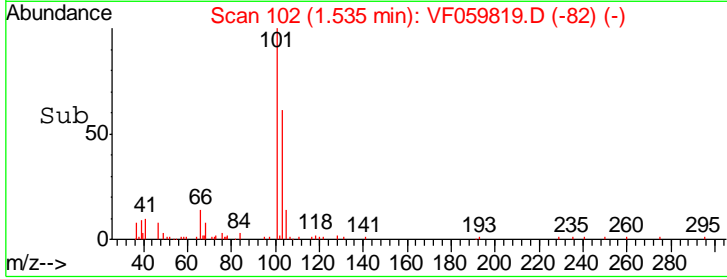
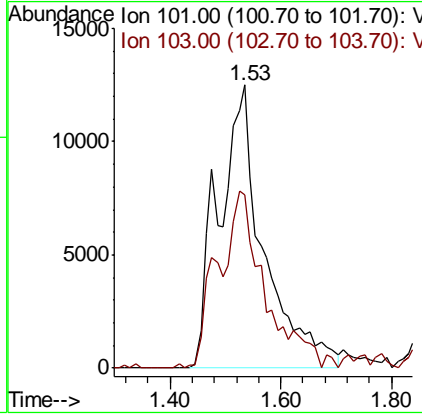
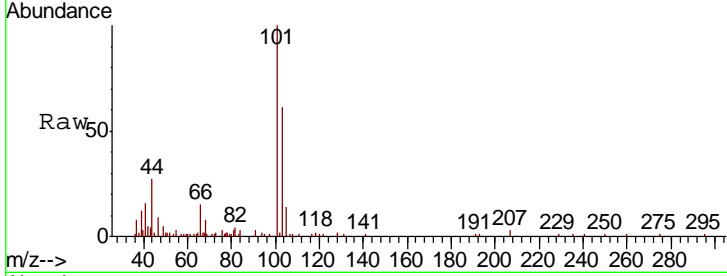
#7  
 Trichlorofluoromethane  
 Concen: 18.89 ug/l m  
 RT: 1.53 min Scan# 102  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
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Tgt Ion	Resp	Lower	Upper
101	70477		
101	100		
103	61.3	50.8	76.2

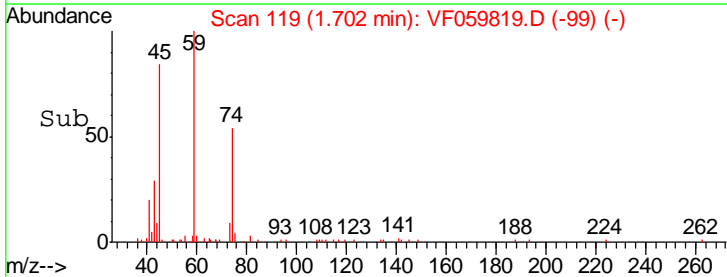
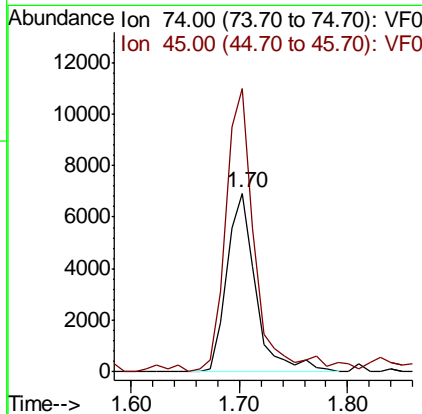
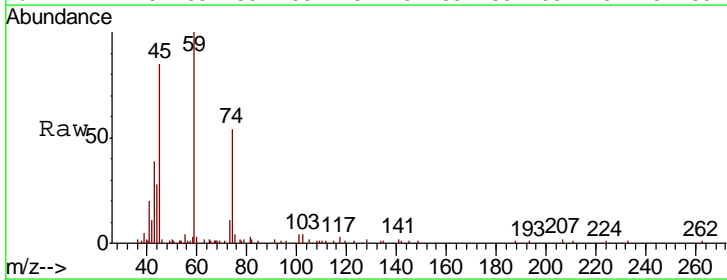
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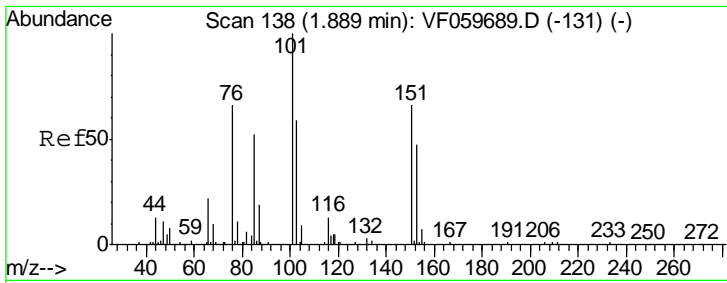


#8  
 Diethyl Ether  
 Concen: 20.21 ug/l  
 RT: 1.70 min Scan# 119  
 Delta R.T. 0.00 min  
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Tgt Ion	Resp	Lower	Upper
74	12892		
74	100		
45	158.5	62.7	188.2







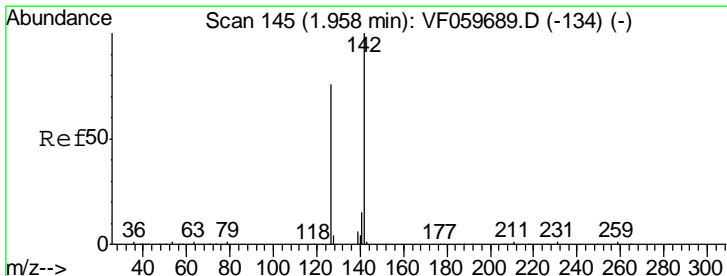
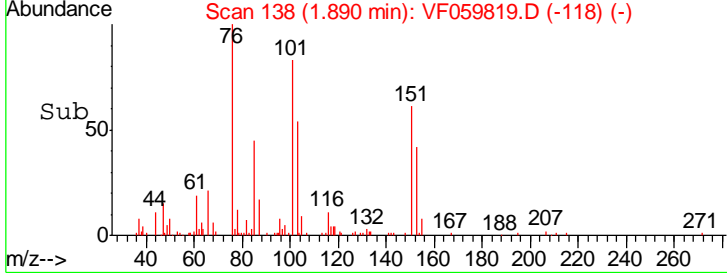
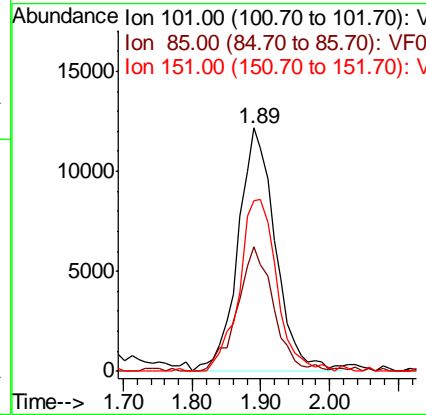
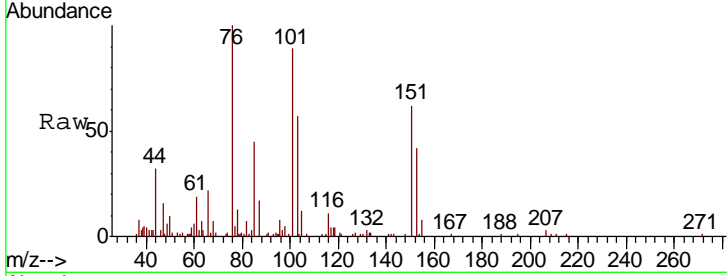
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 23.50 ug/l  
 RT: 1.89 min Scan# 138  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
101	45910		
101	100		
85	51.2	40.7	61.1
151	70.0	51.4	77.2

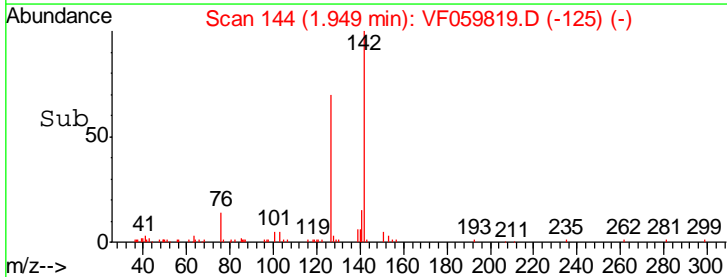
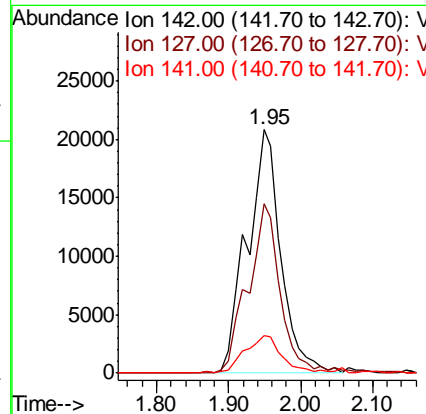
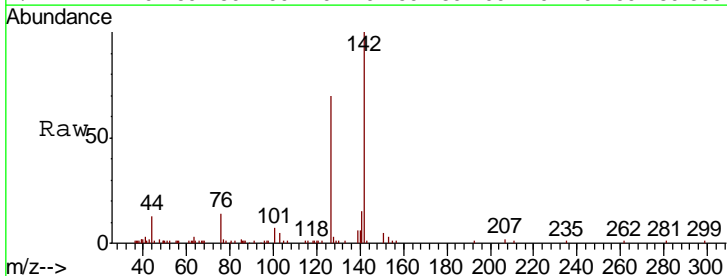
Manual Integrations  
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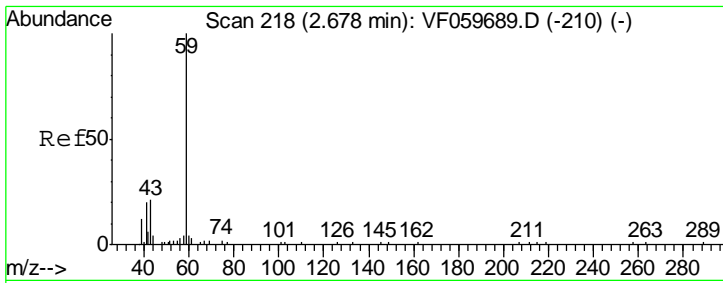
apatel  
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#10  
 Methyl Iodide  
 Concen: 22.72 ug/l  
 RT: 1.95 min Scan# 144  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
142	68188		
142	100		
127	69.5	60.6	91.0
141	15.3	12.0	18.0





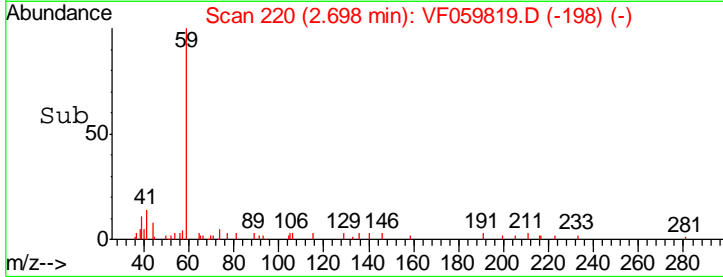
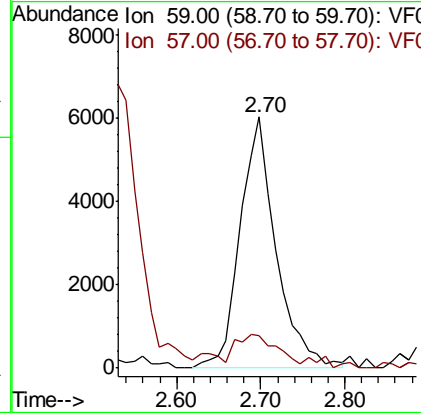
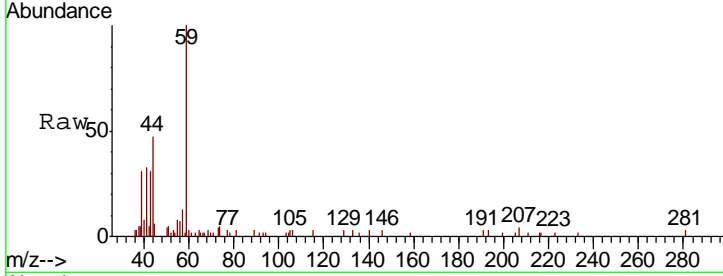
#11  
 Tert butyl alcohol  
 Concen: 123.88 ug/l  
 RT: 2.70 min Scan# 220  
 Delta R.T. 0.02 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
59	18039		
57	12.9	7.6	11.4#

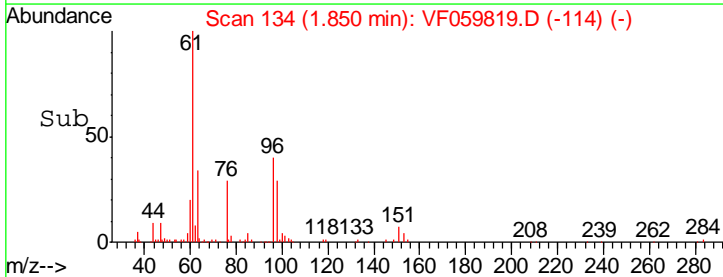
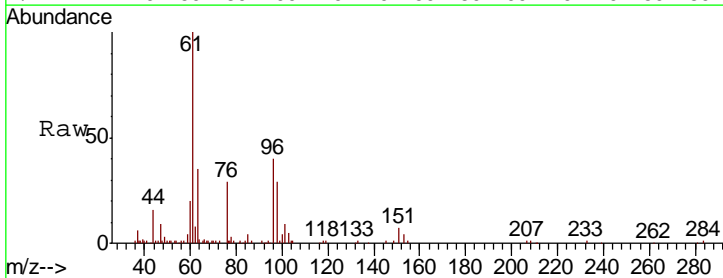
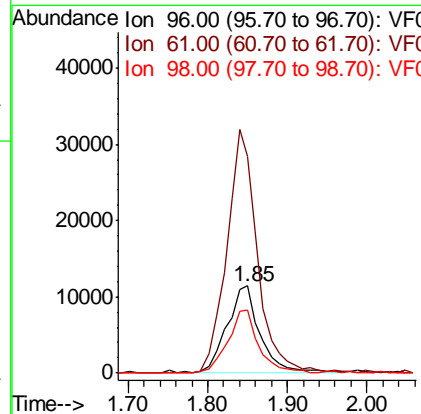
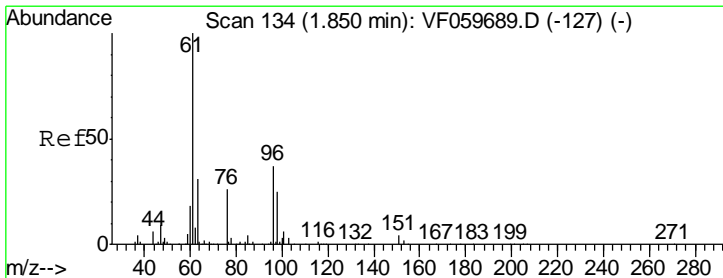
Manual Integrations  
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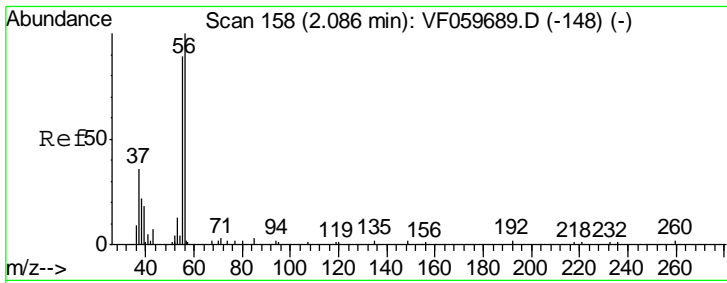
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#12  
 1,1-Dichloroethene  
 Concen: 21.61 ug/l  
 RT: 1.85 min Scan# 134  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
96	33427		
61	248.5	215.1	322.7
98	72.8	54.3	81.5



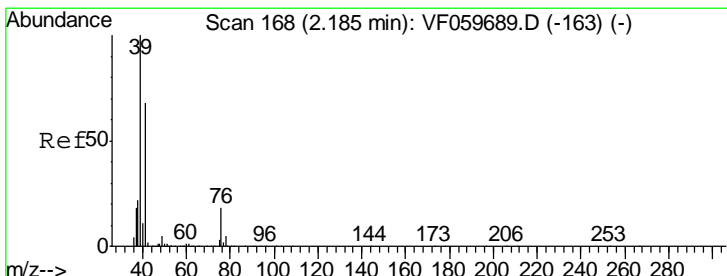
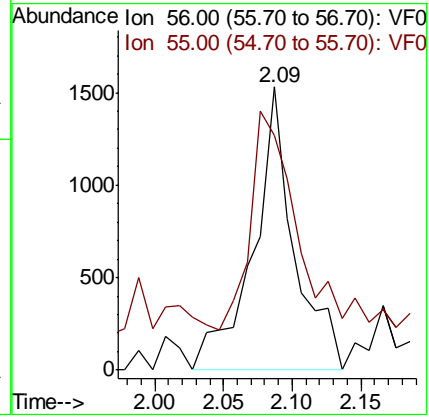
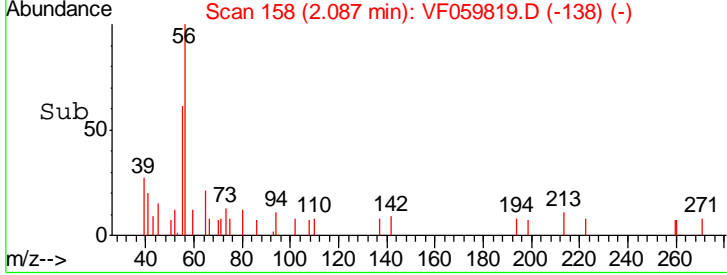
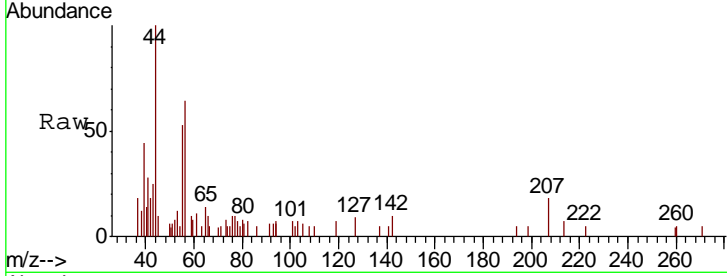


#13  
 Acrolein  
 Concen: 55.14 ug/l  
 RT: 2.09 min Scan# 158  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
56	100		
55	82.7	73.2	109.8

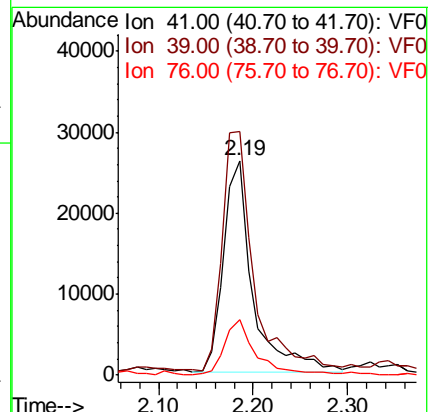
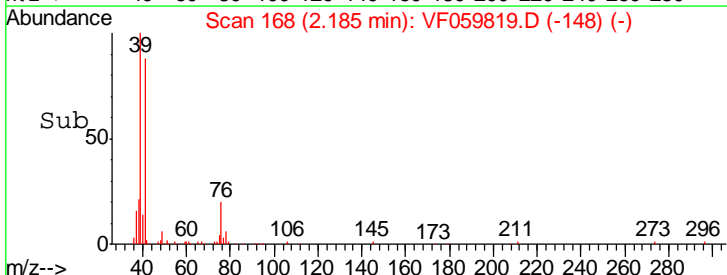
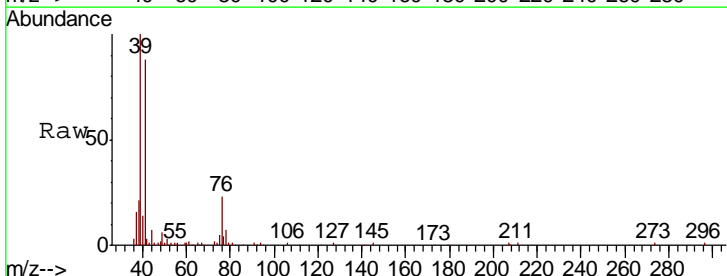
Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

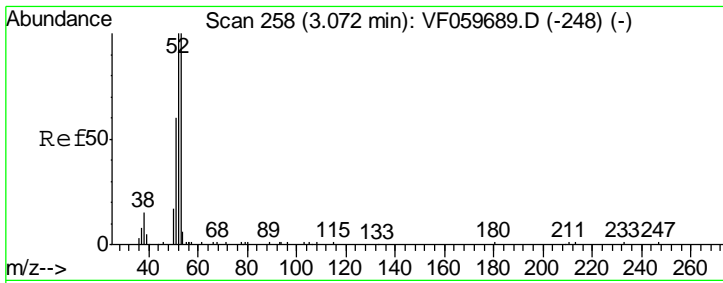
Manual Integrations APPROVED  
 apatel  
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#14  
 Allyl chloride  
 Concen: 23.08 ug/l  
 RT: 2.19 min Scan# 168  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
41	100		
39	113.6	118.1	177.1#
76	25.8	22.0	33.0





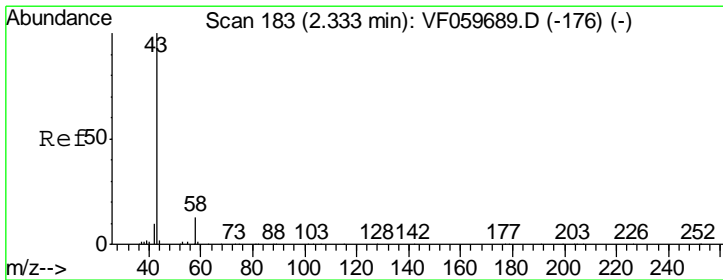
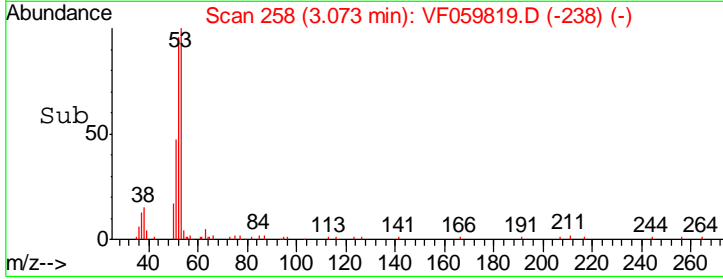
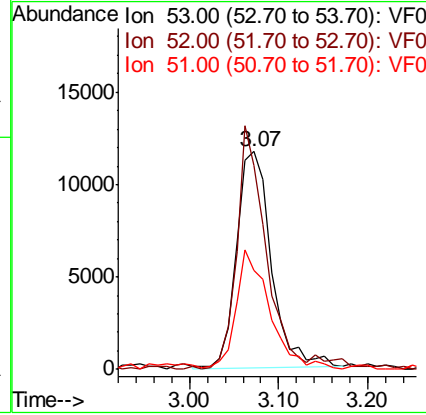
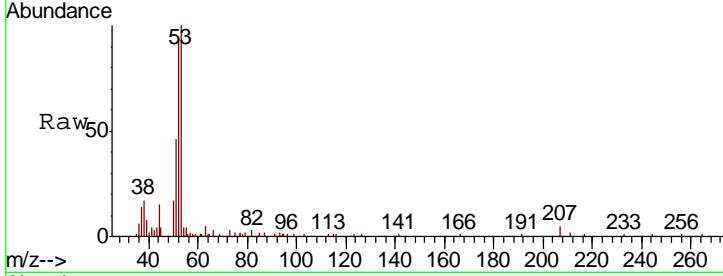
#15  
 Acrylonitrile  
 Concen: 137.64 ug/l  
 RT: 3.07 min Scan# 258  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
53	100		
52	93.6	80.3	120.5
51	45.6	49.4	74.0#

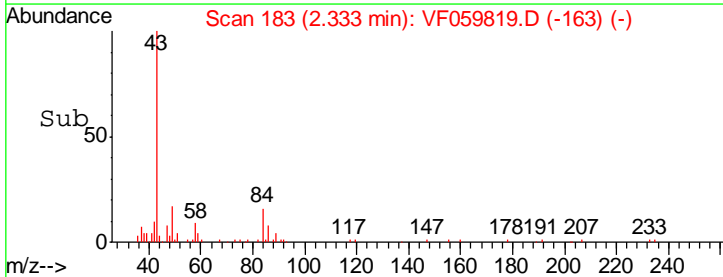
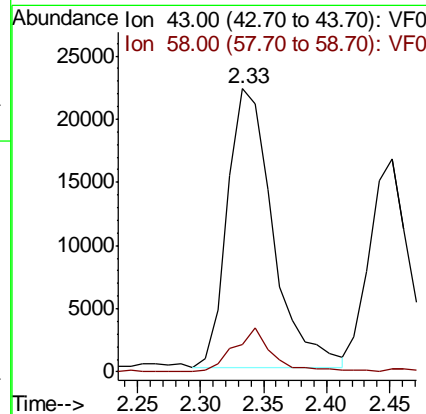
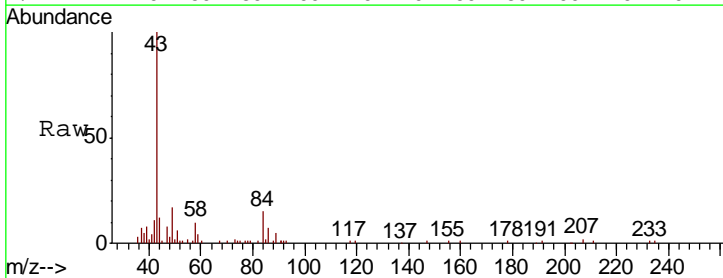
Manual Integrations  
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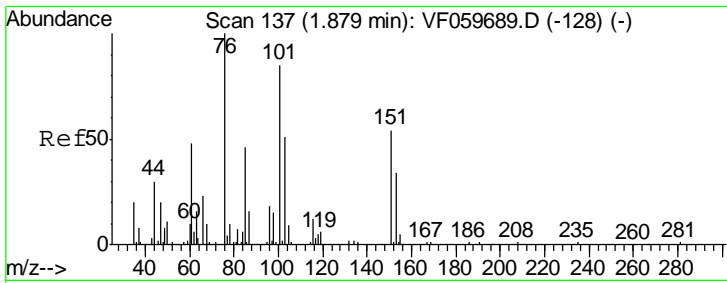
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#16  
 Acetone  
 Concen: 85.29 ug/l  
 RT: 2.33 min Scan# 183  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
43	100		
58	9.6	10.1	15.1#





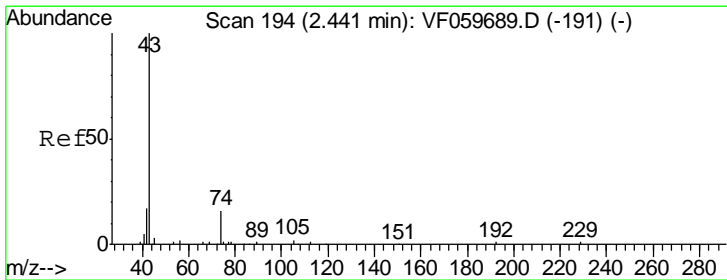
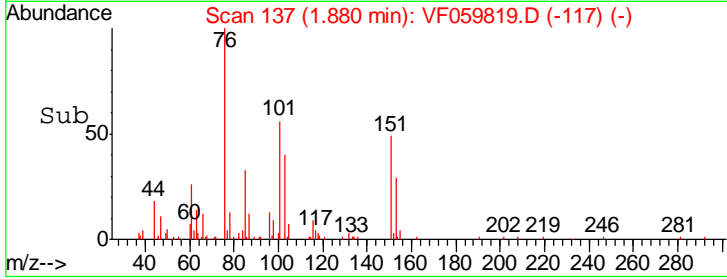
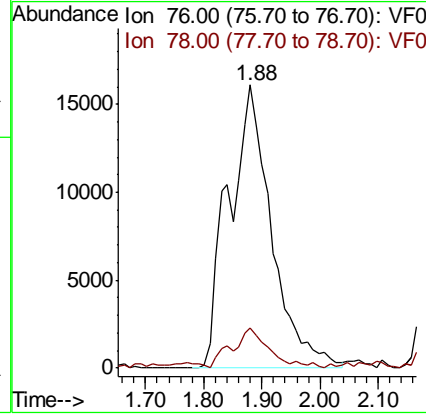
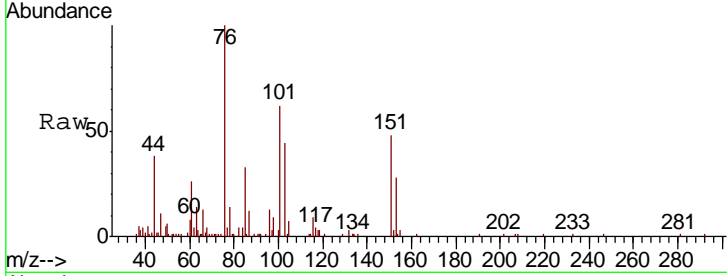
#17  
 Carbon Disulfide  
 Concen: 23.14 ug/l  
 RT: 1.88 min Scan# 137  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument :  
 MSVOA\_F  
 ClientSampled :  
 VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
76	82618		
76	100		
78	14.3	8.9	13.3#

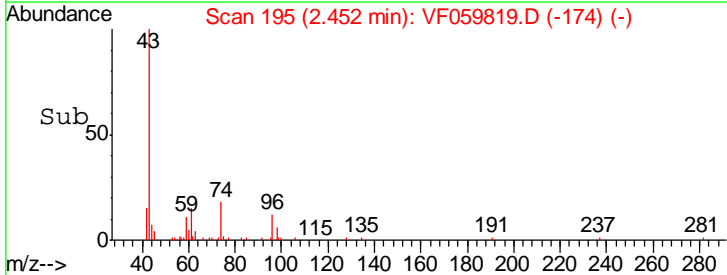
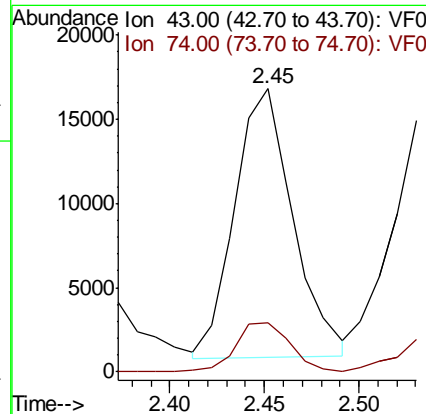
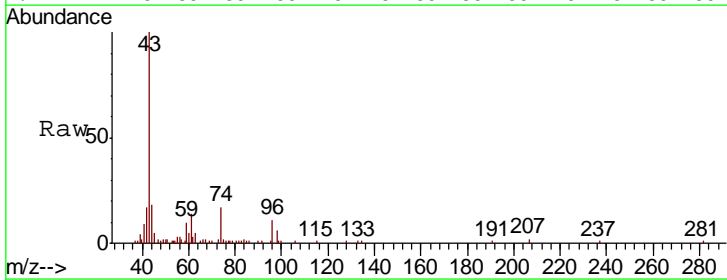
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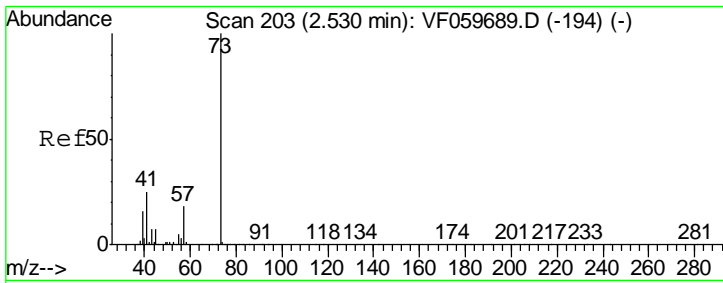
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#18  
 Methyl Acetate  
 Concen: 32.20 ug/l  
 RT: 2.45 min Scan# 195  
 Delta R.T. 0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
43	34050		
43	100		
74	17.2	11.8	17.6



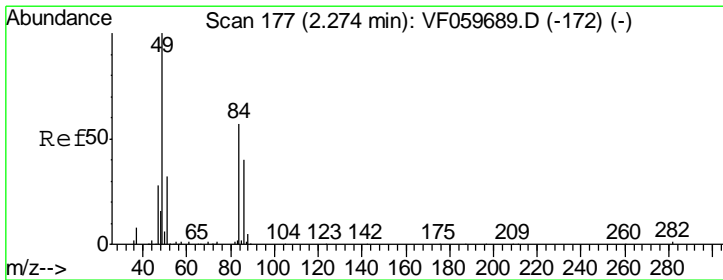
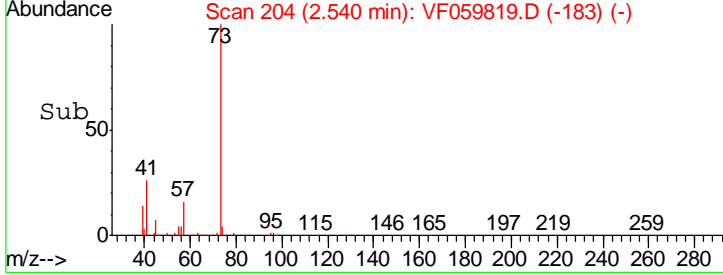
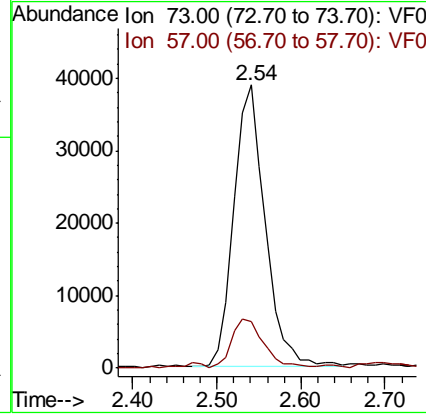
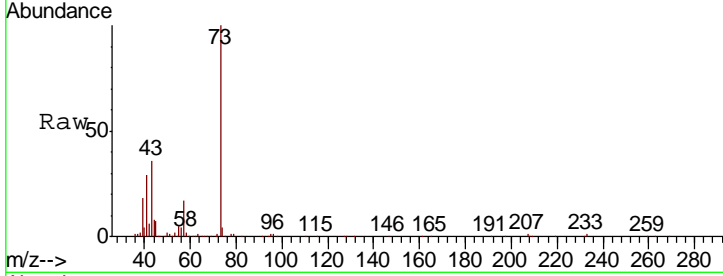


#19  
 Methyl tert-butyl Ether  
 Concen: 21.29 ug/l  
 RT: 2.54 min Scan# 204  
 Delta R.T. 0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
73	100		
57	16.5	14.2	21.2

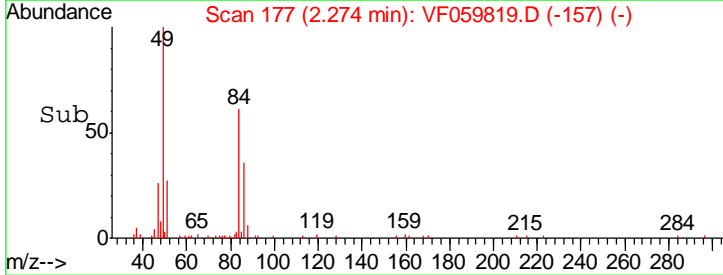
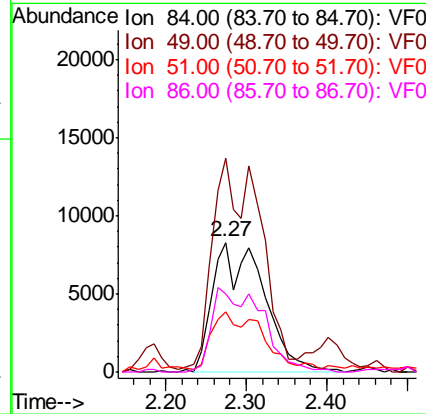
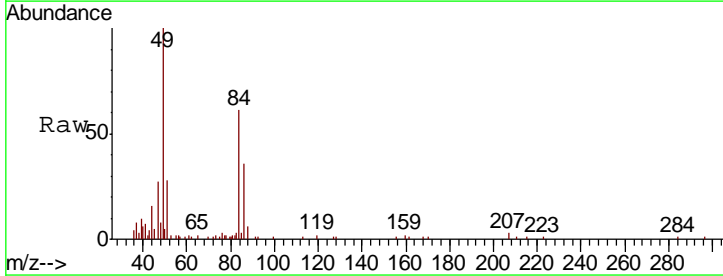
Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

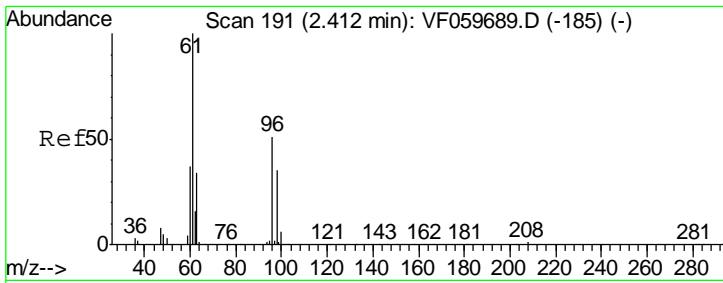
Manual Integrations  
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#20  
 Methylene Chloride  
 Concen: 21.67 ug/l m  
 RT: 2.27 min Scan# 177  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
84	100		
49	164.6	142.2	213.4
51	46.9	46.2	69.2
86	59.8	57.1	85.7





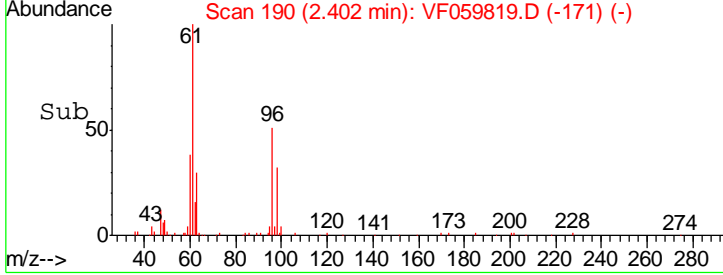
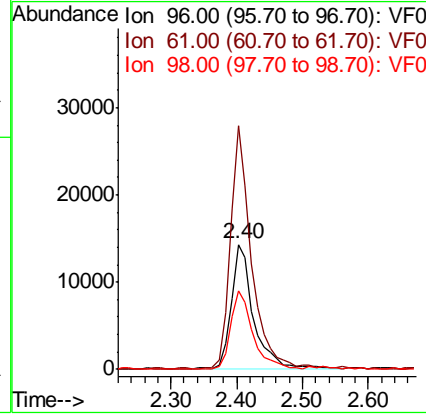
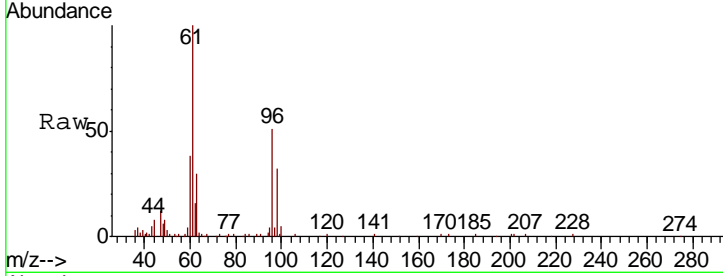
#21  
 trans-1,2-Dichloroethene  
 Concen: 24.12 ug/l  
 RT: 2.40 min Scan# 190  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument :  
 MSVOA\_F  
 ClientSampled :  
 VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
96	34455		
96	100		
61	195.2	157.4	236.0
98	63.1	55.0	82.4

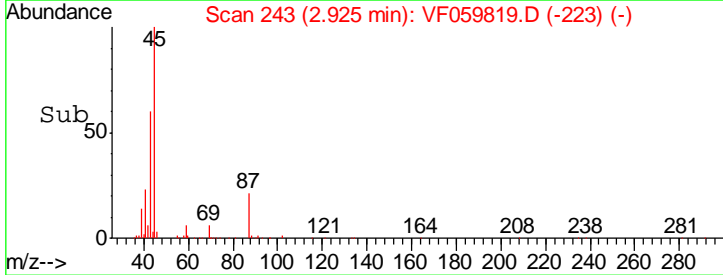
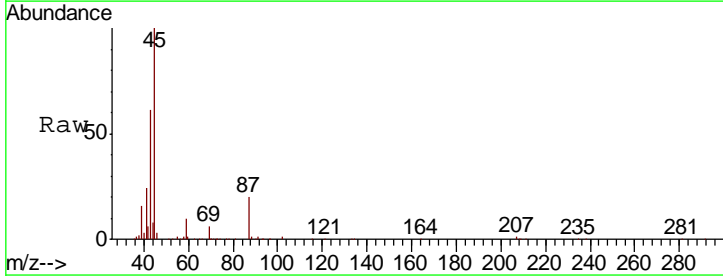
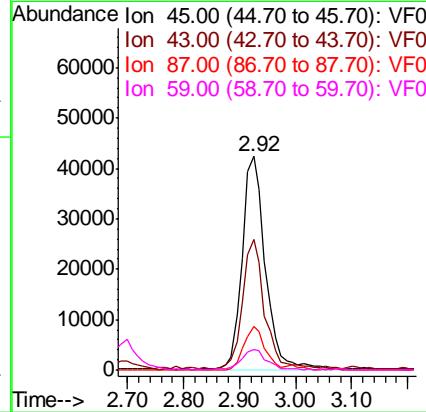
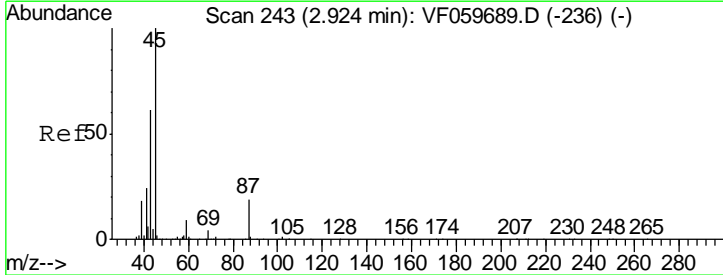
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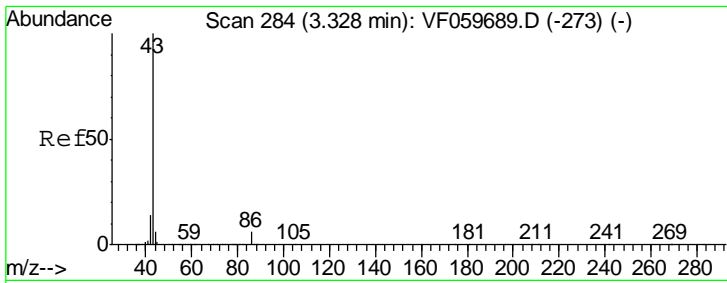
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#22  
 Diisopropyl ether  
 Concen: 23.63 ug/l  
 RT: 2.92 min Scan# 243  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
45	123410		
45	100		
43	60.9	49.3	73.9
87	20.4	15.3	22.9
59	9.9	7.1	10.7





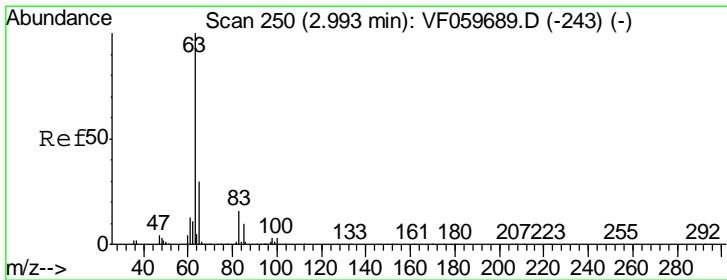
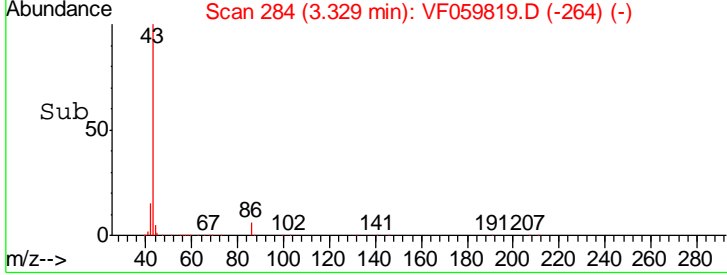
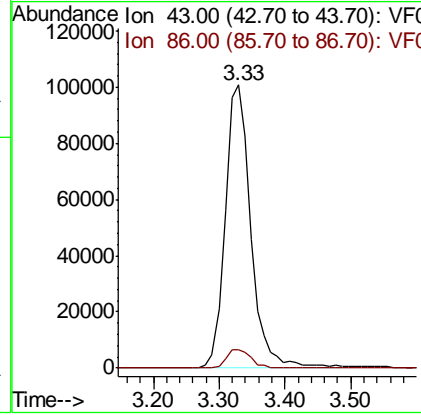
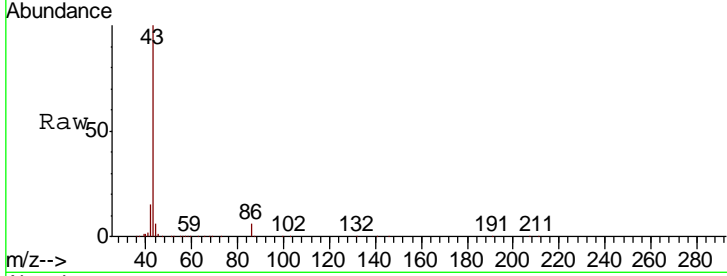
#23  
 Vinyl Acetate  
 Concen: 102.13 ug/l  
 RT: 3.33 min Scan# 284  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampleId : VF0802SBSD01

Tgt Ion: 43 Resp: 274252

Ion	Ratio	Lower	Upper
43	100		
86	6.4	4.6	6.8

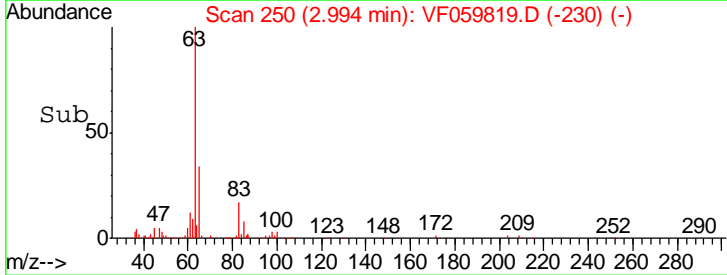
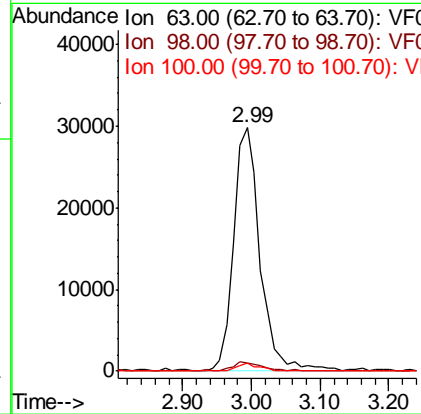
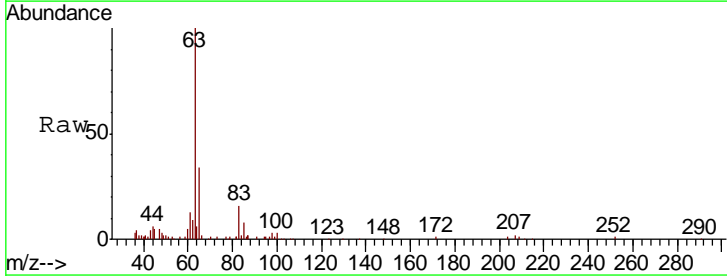
Manual Integrations APPROVED  
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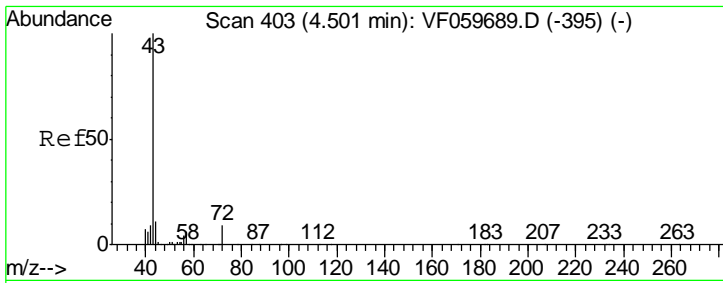
#24  
 1,1-Dichloroethane  
 Concen: 21.83 ug/l  
 RT: 2.99 min Scan# 250  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion: 63 Resp: 79213

Ion	Ratio	Lower	Upper
63	100		
98	3.1	1.4	4.2
100	3.3	1.6	4.7





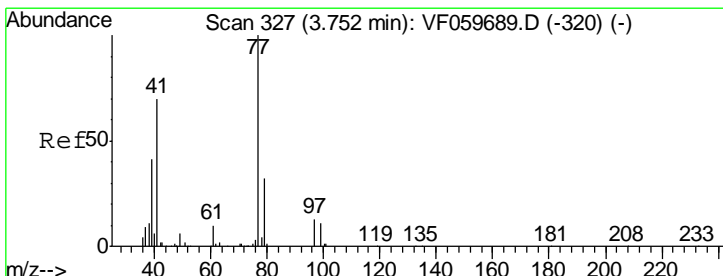
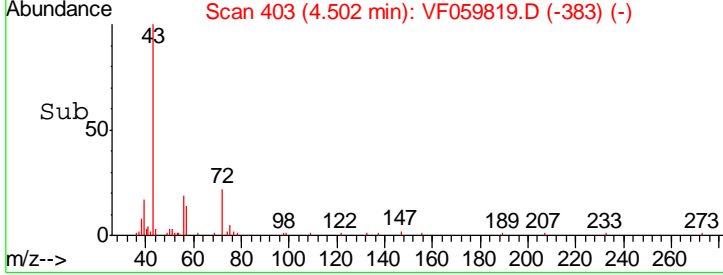
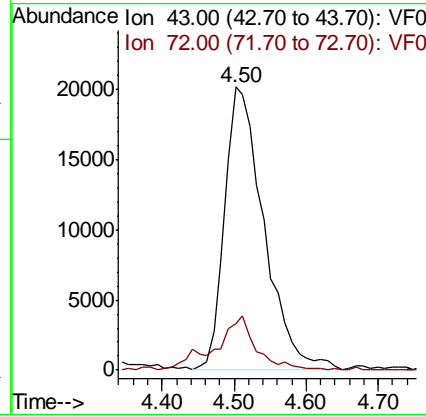
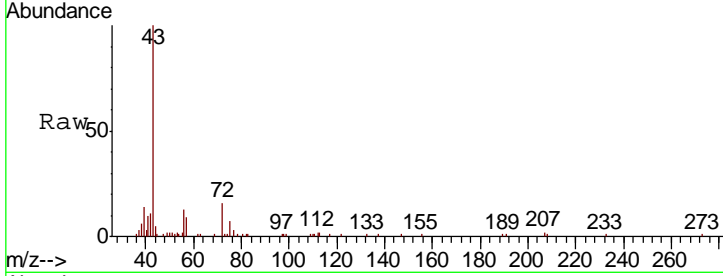


#25  
 2-Butanone  
 Concen: 105.81 ug/l  
 RT: 4.50 min Scan# 403  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument :  
 MSVOA\_F  
 ClientSampled :  
 VF0802SBSD01

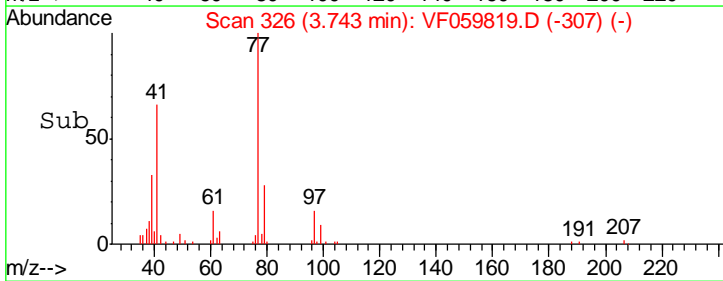
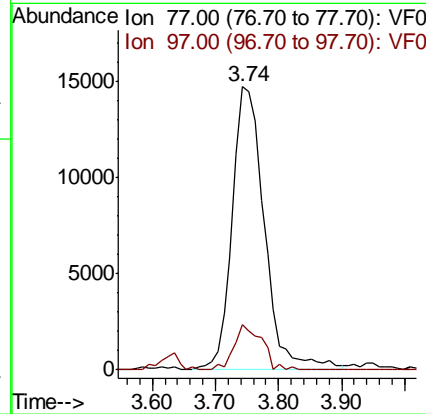
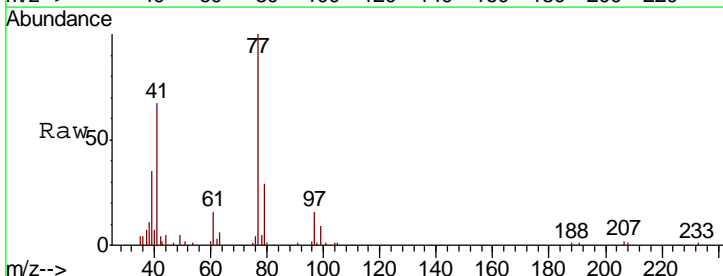
Tgt Ion	Resp	Lower	Upper
43	100		
72	16.3	7.7	11.5#

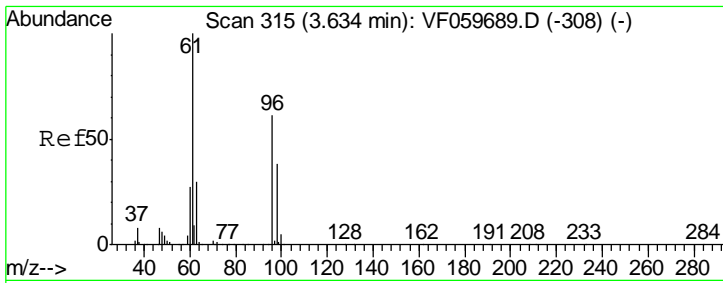
Manual Integrations  
**APPROVED**  
 apatel  
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#26  
 2,2-Dichloropropane  
 Concen: 20.17 ug/l  
 RT: 3.74 min Scan# 326  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
77	100		
97	16.2	6.8	20.4



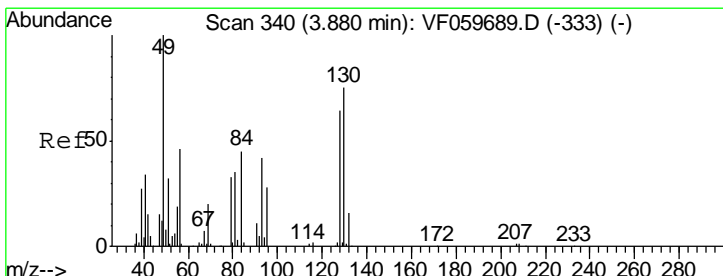
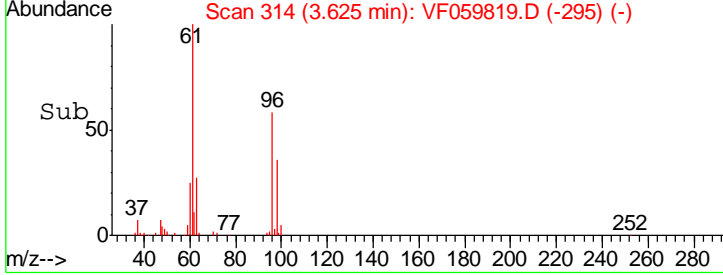
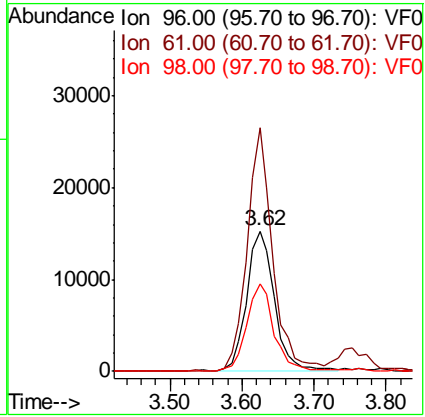
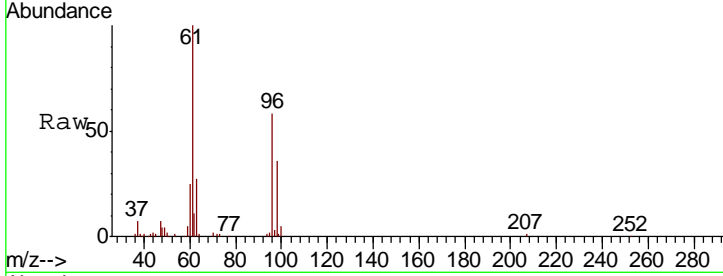


#27  
 cis-1,2-Dichloroethene  
 Concen: 21.31 ug/l  
 RT: 3.62 min Scan# 314  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

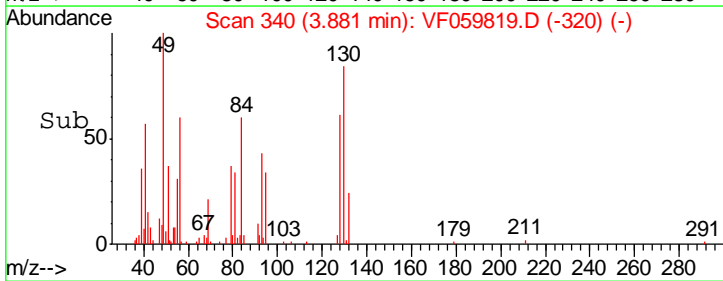
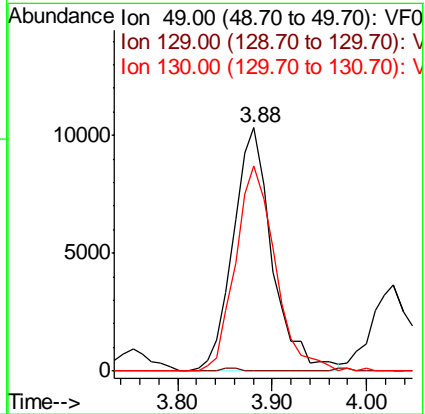
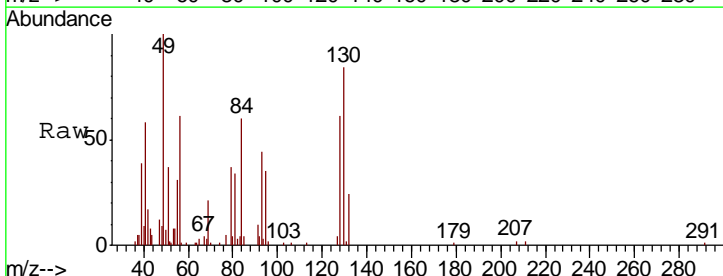
Tgt Ion	Resp	Lower	Upper
96	41407		
96	100		
61	173.2	0.0	326.8
98	61.8	0.0	125.2

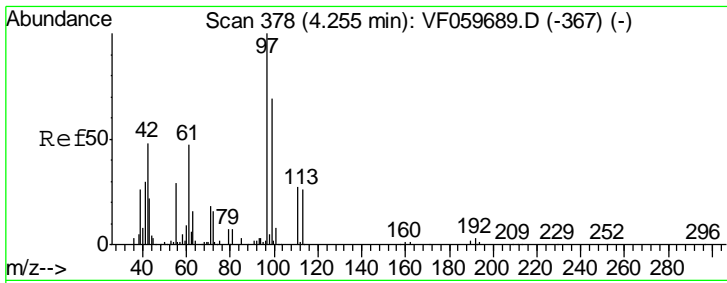
Manual Integrations  
**APPROVED**  
 apatel  
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#28  
 Bromochloromethane  
 Concen: 20.67 ug/l  
 RT: 3.88 min Scan# 340  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
49	29522		
49	100		
129	0.0	0.0	4.8
130	86.2	59.6	89.4





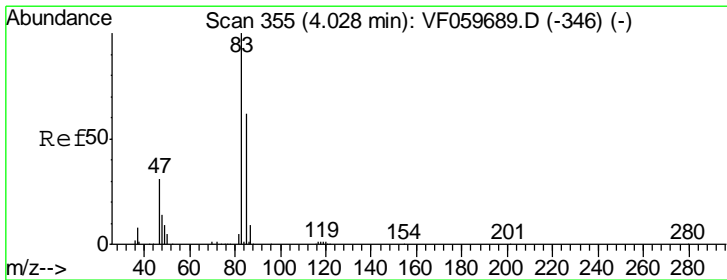
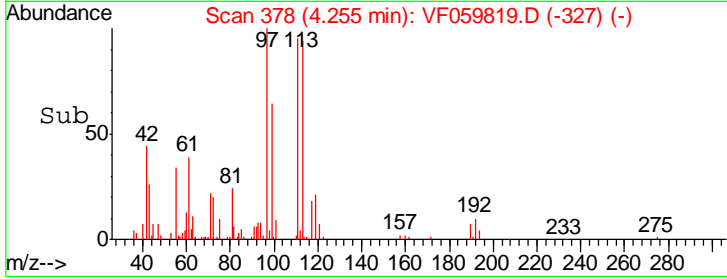
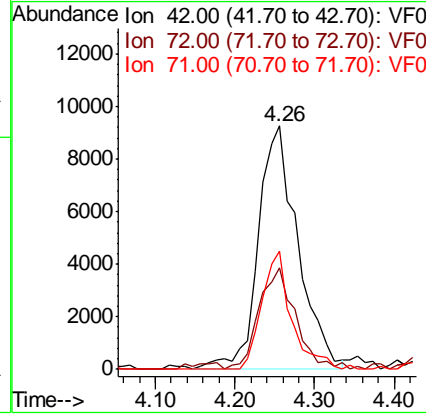
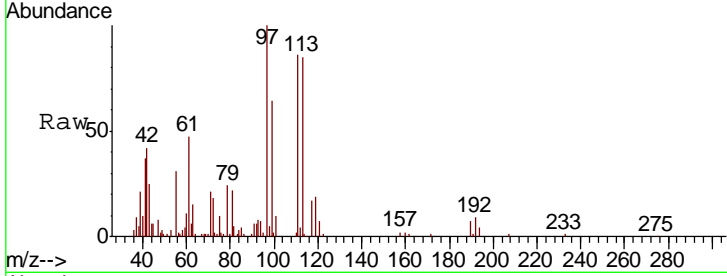
#29  
 Tetrahydrofuran  
 Concen: 114.51 ug/l  
 RT: 4.26 min Scan# 378  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

**Instrument :**  
 MSVOA\_F  
**ClientSampled :**  
 VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
42	100		
72	38.8	27.0	40.6
71	36.1	29.7	44.5

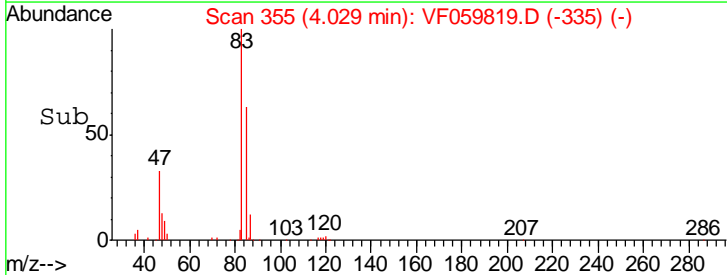
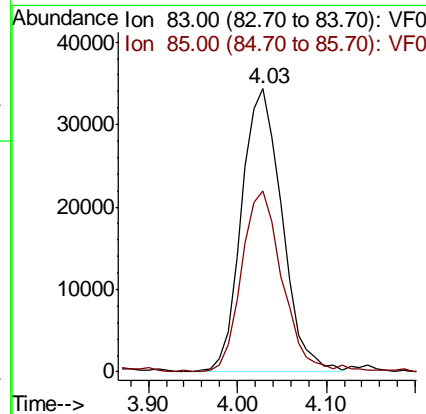
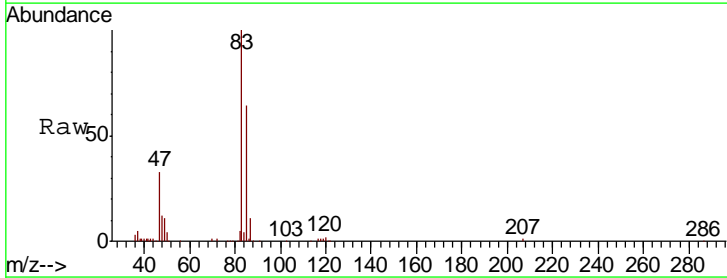
**Manual Integrations**  
**APPROVED**

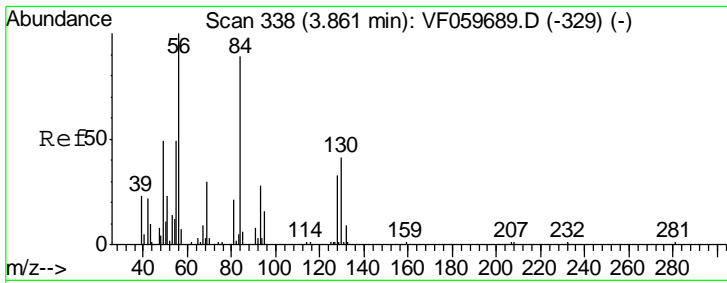
apatel  
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#30  
 Chloroform  
 Concen: 21.12 ug/l  
 RT: 4.03 min Scan# 355  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.1	49.4	74.0



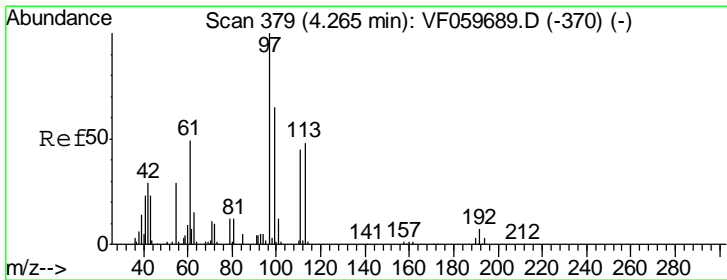
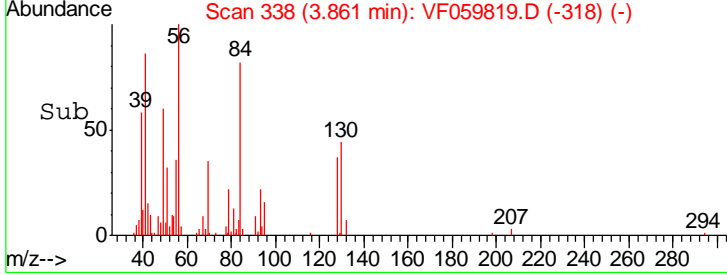
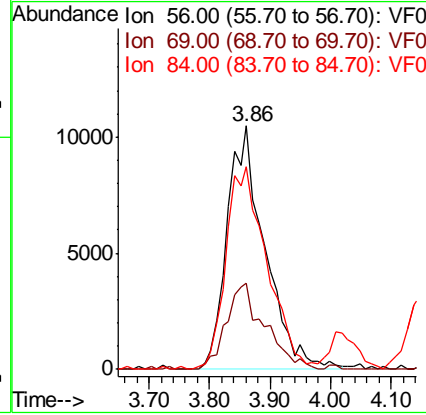
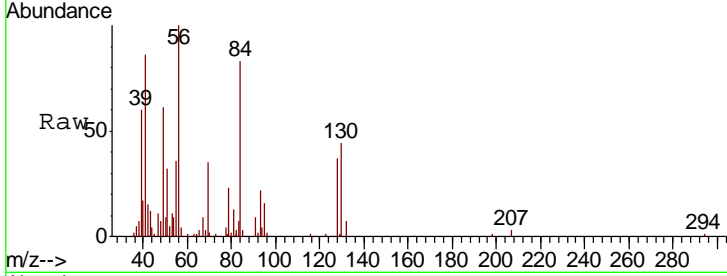


#31  
 Cyclohexane  
 Concen: 23.69 ug/l  
 RT: 3.86 min Scan# 338  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
56	100		
69	35.5	23.7	35.5
84	83.5	71.1	106.7

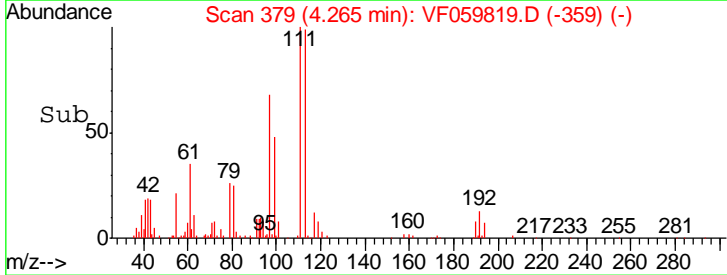
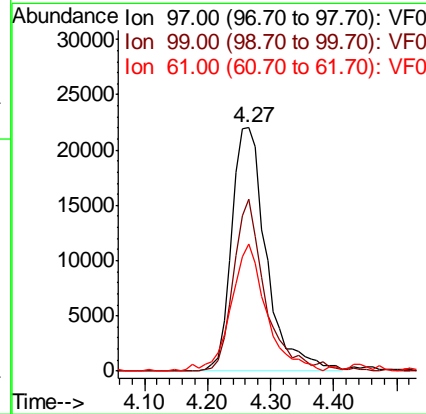
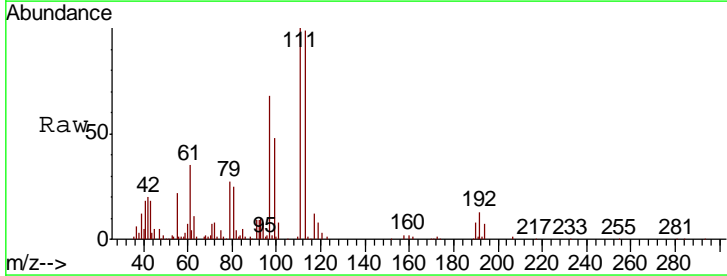
**Instrument :**  
 MSVOA\_F  
**ClientSampled :**  
 VF0802SBSD01

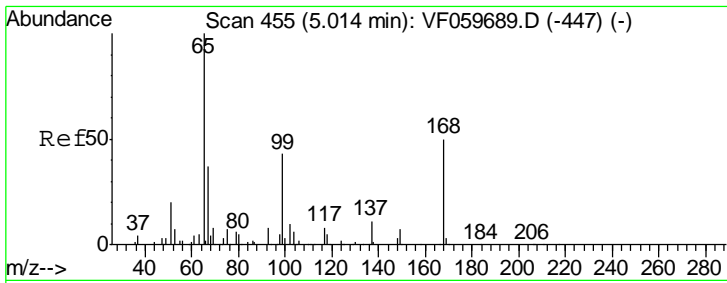
**Manual Integrations**  
**APPROVED**  
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#32  
 1,1,1-Trichloroethane  
 Concen: 21.09 ug/l  
 RT: 4.27 min Scan# 379  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
97	100		
99	70.6	52.4	78.6
61	52.0	39.7	59.5





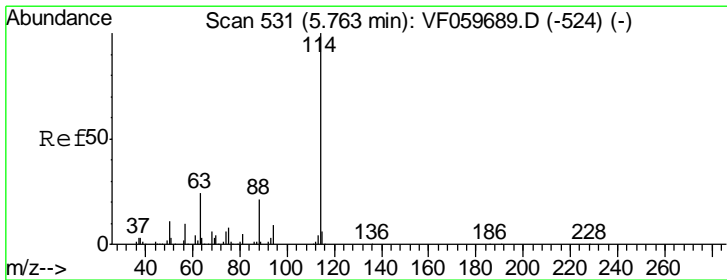
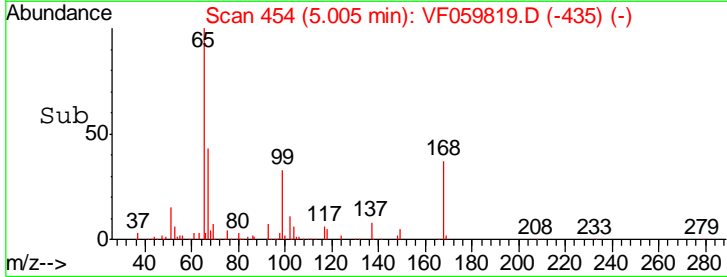
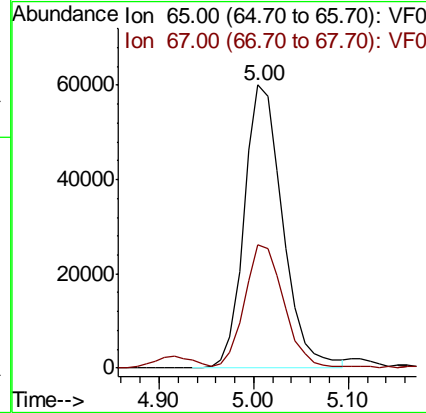
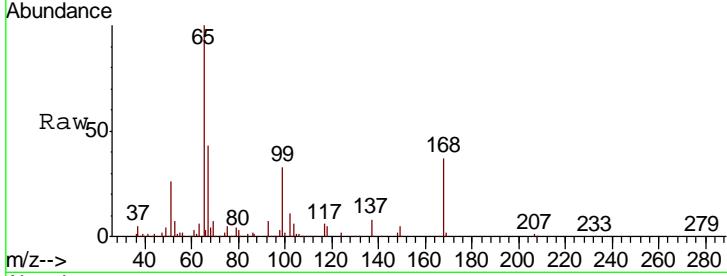
#33  
 1,2-Dichloroethane-d4  
 Concen: 47.34 ug/l  
 RT: 5.00 min Scan# 454  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument :  
 MSVOA\_F  
 ClientSampled :  
 VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
65	169976		
65	100		
67	43.5	0.0	84.6

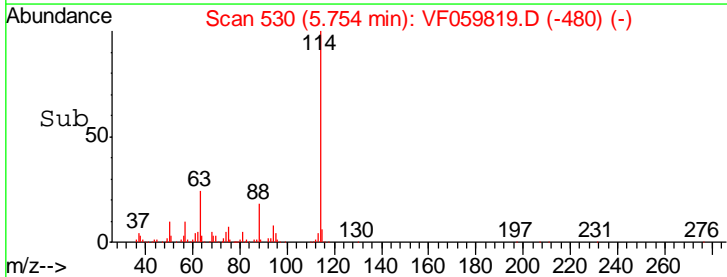
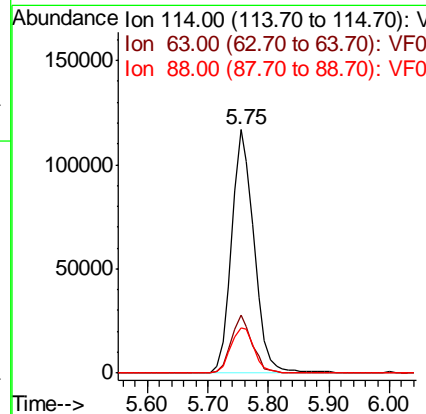
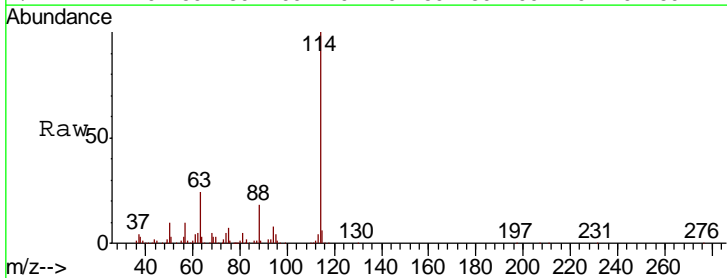
Manual Integrations  
 APPROVED

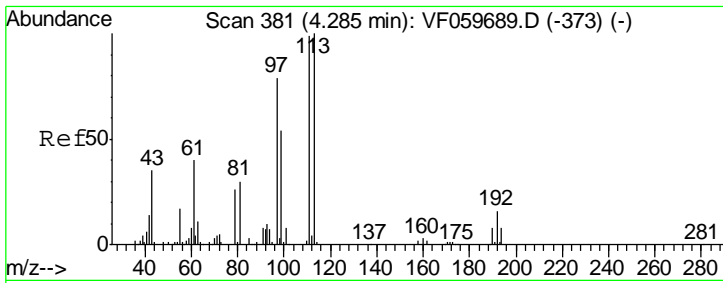
apatel  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.75 min Scan# 530  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
114	301316		
114	100		
63	23.8	0.0	47.4
88	18.3	0.0	41.2





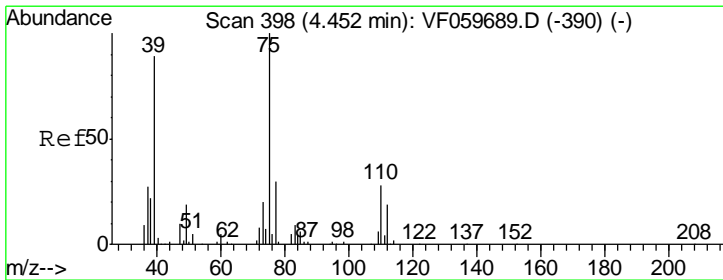
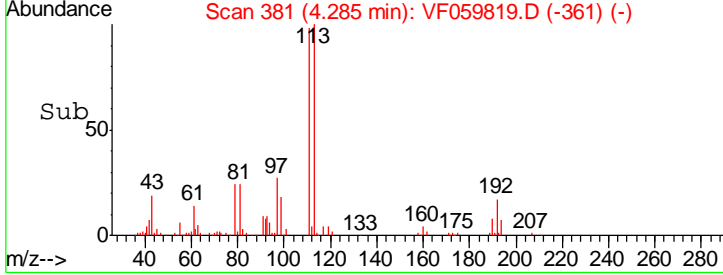
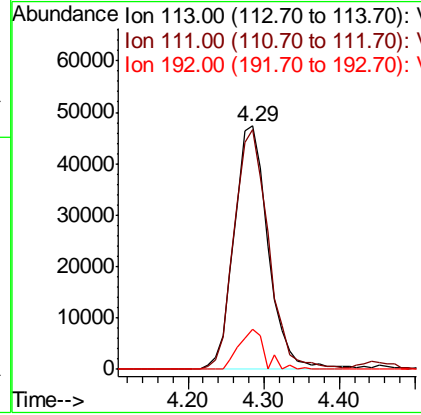
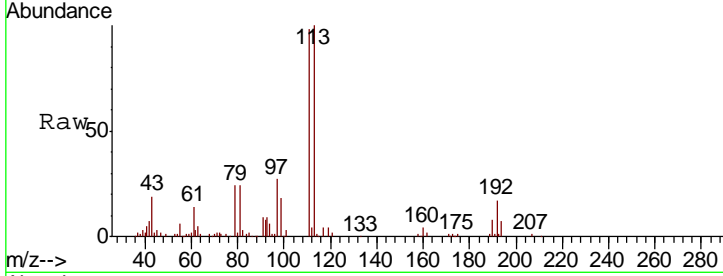
#35  
 Dibromofluoromethane  
 Concen: 46.92 ug/l  
 RT: 4.29 min Scan# 381  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
113	146850		
111	98.4	79.0	118.4
192	16.7	13.2	19.8

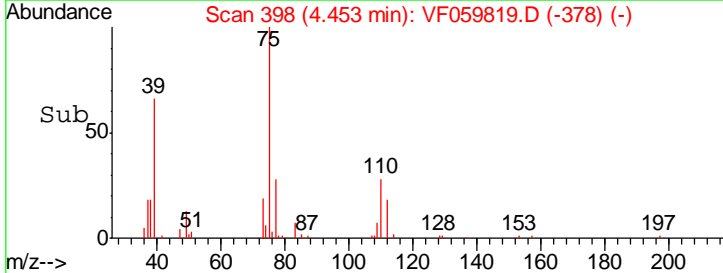
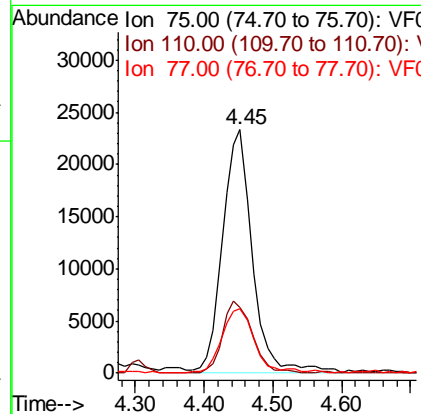
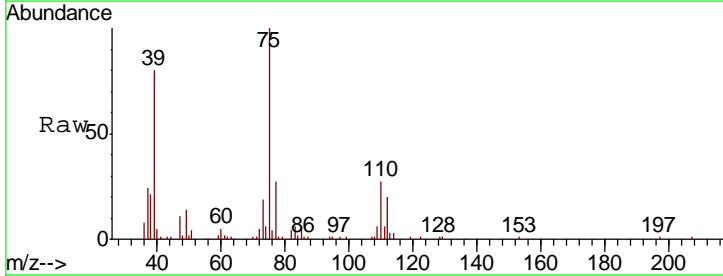
Manual Integrations  
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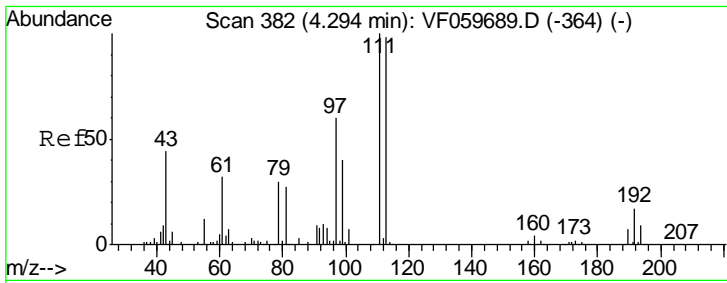
apatel  
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#36  
 1,1-Dichloropropene  
 Concen: 20.65 ug/l  
 RT: 4.45 min Scan# 398  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
75	70067		
110	27.0	14.0	41.9
77	26.6	24.2	36.2





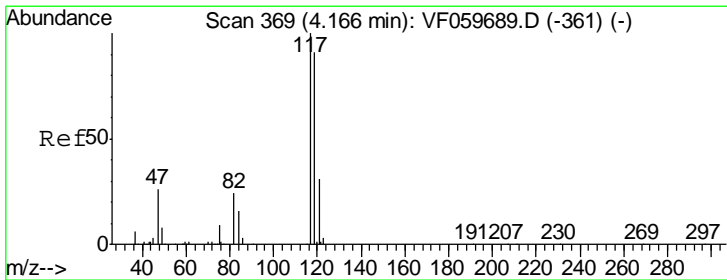
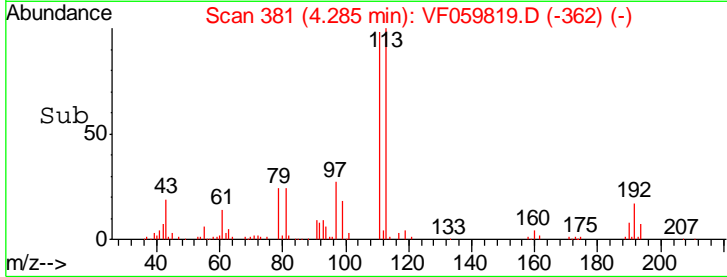
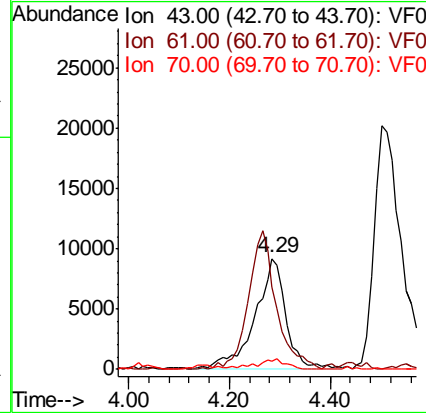
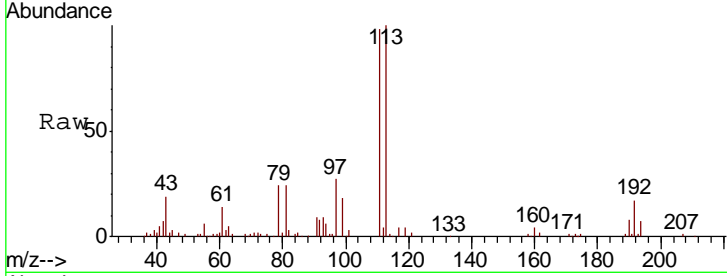
#37  
 Ethyl Acetate  
 Concen: 23.84 ug/l  
 RT: 4.29 min Scan# 381  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
43	100		
61	73.9	58.2	87.2
70	6.9	6.0	9.0

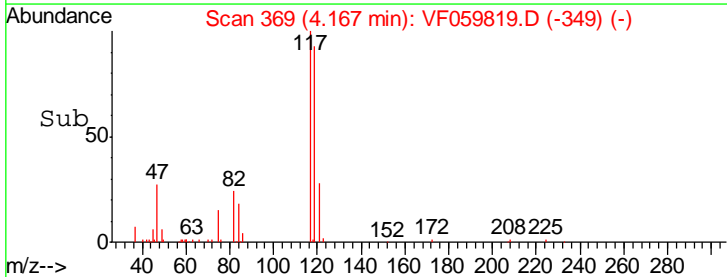
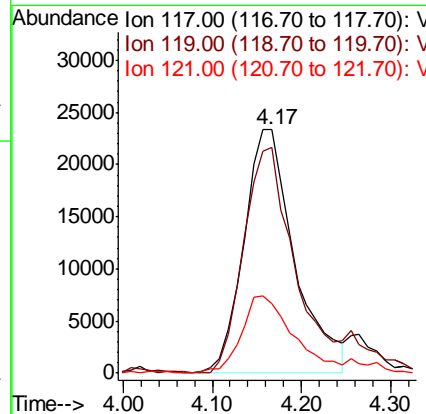
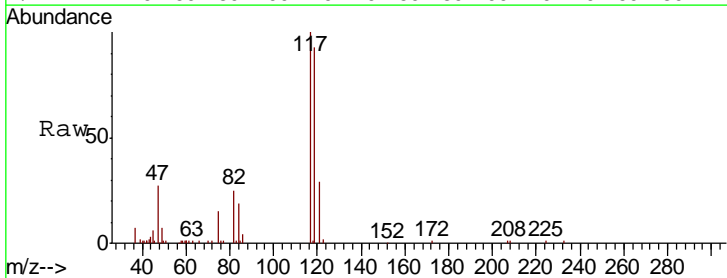
Manual Integrations  
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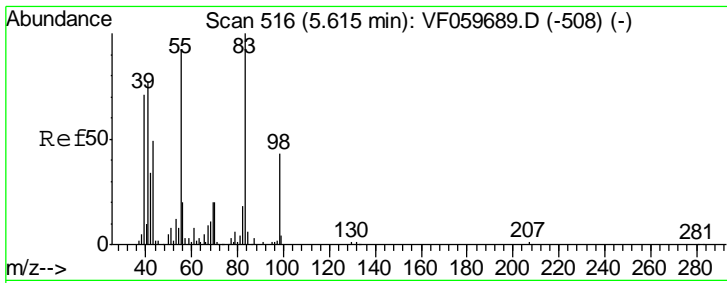
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#38  
 Carbon Tetrachloride  
 Concen: 19.29 ug/l  
 RT: 4.17 min Scan# 369  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
117	100		
119	92.7	72.9	109.3
121	28.5	25.0	37.4



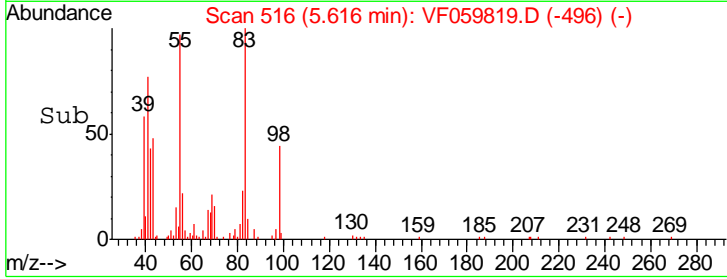
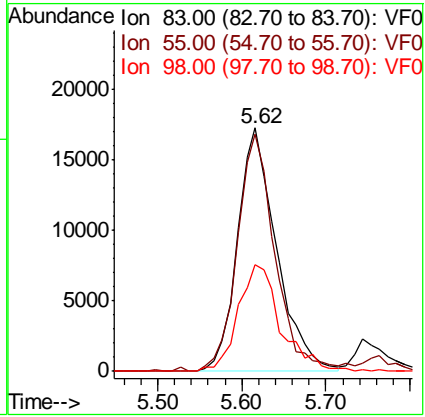
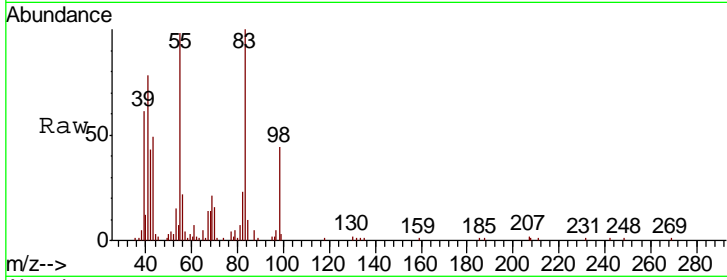


#39  
 Methylcyclohexane  
 Concen: 21.53 ug/l  
 RT: 5.62 min Scan# 516  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

**Instrument :**  
 MSVOA\_F  
**ClientSampled :**  
 VF0802SBSD01

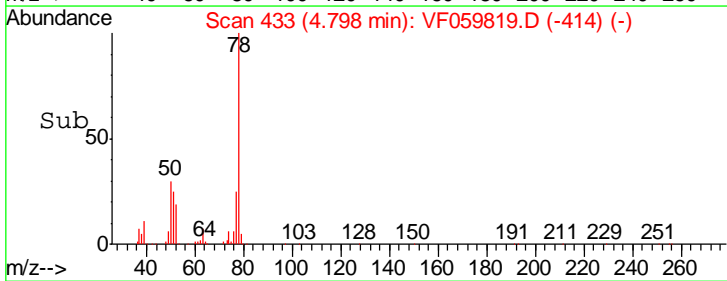
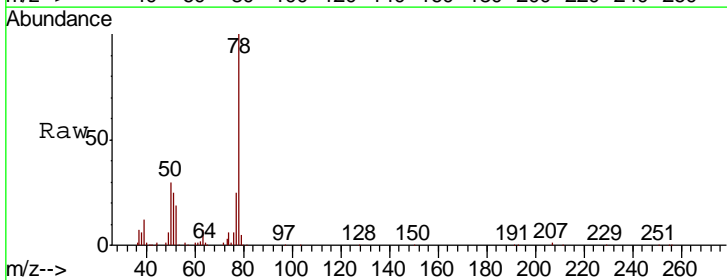
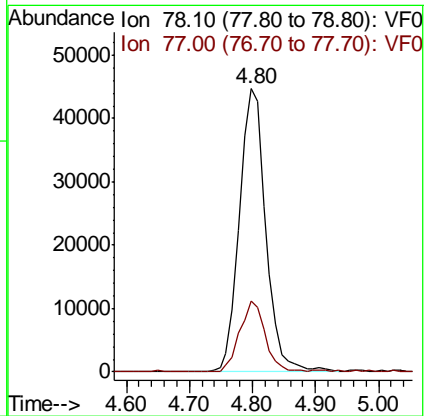
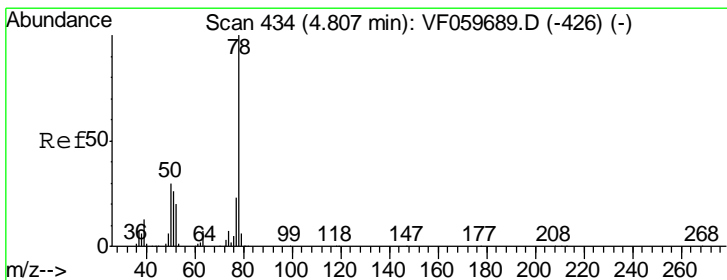
Tgt Ion	Resp	Lower	Upper
83	100		
55	97.6	73.4	110.2
98	43.7	34.2	51.4

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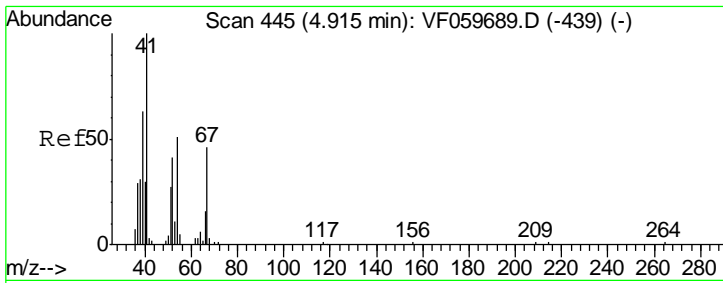


#40  
 Benzene  
 Concen: 21.33 ug/l  
 RT: 4.80 min Scan# 433  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
78	100		
77	25.1	18.9	28.3







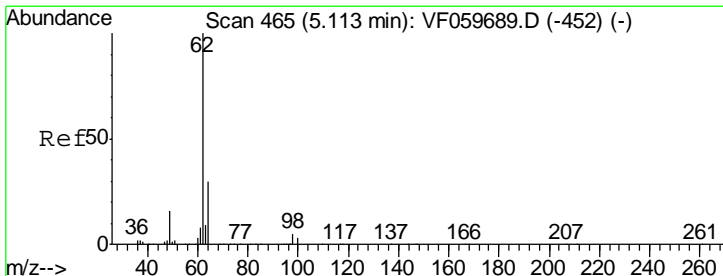
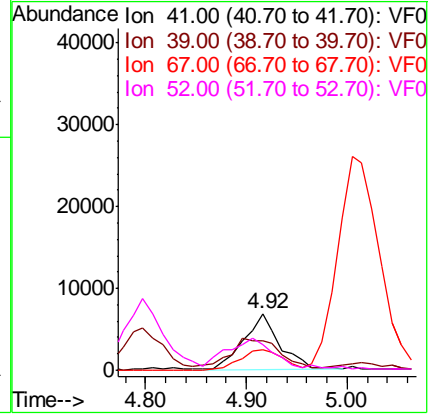
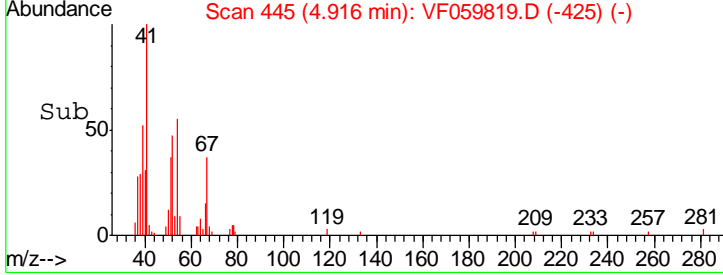
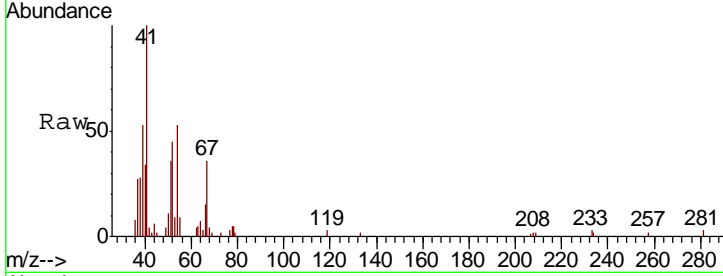
#41  
 Methacrylonitrile  
 Concen: 20.53 ug/l  
 RT: 4.92 min Scan# 445  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
41	16828		
39	53.1	55.2	82.8#
67	35.8	36.2	54.2#
52	45.5	37.7	56.5

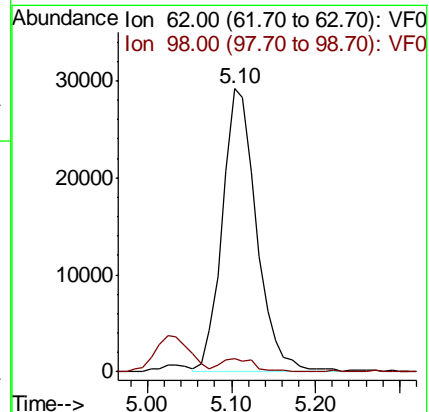
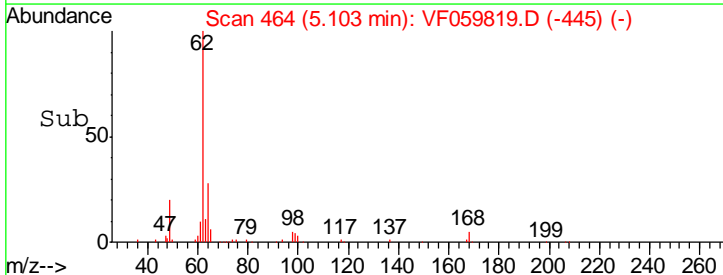
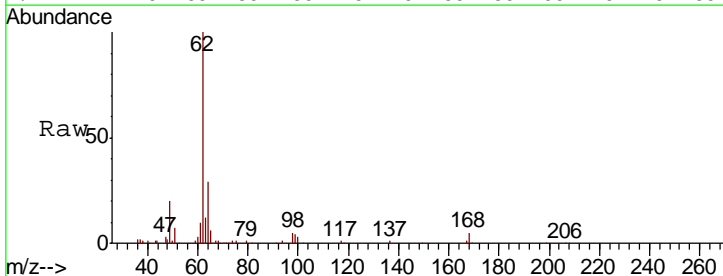
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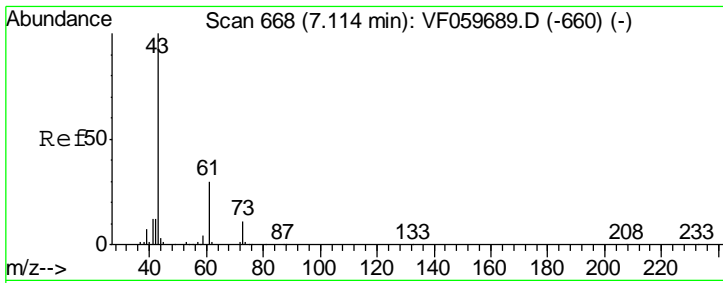
apatel  
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#42  
 1,2-Dichloroethane  
 Concen: 19.41 ug/l  
 RT: 5.10 min Scan# 464  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
62	82680		
98	4.8	0.0	9.6





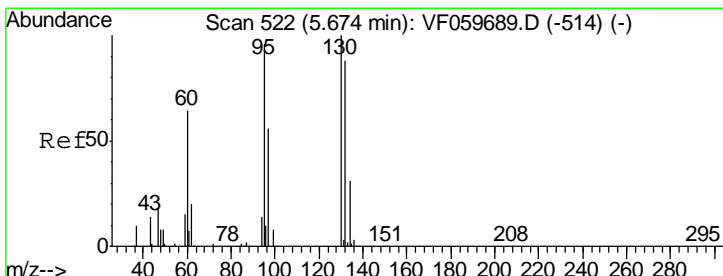
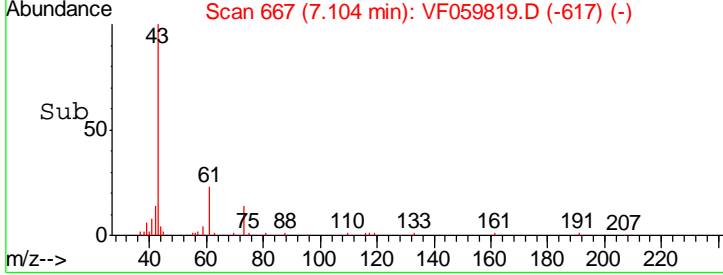
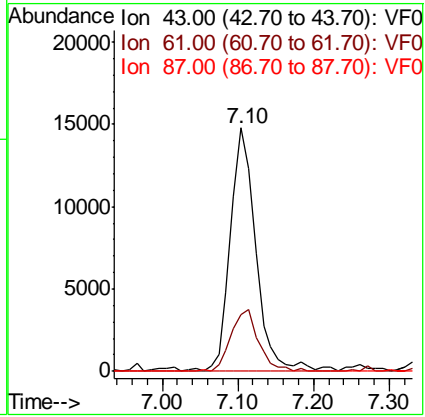
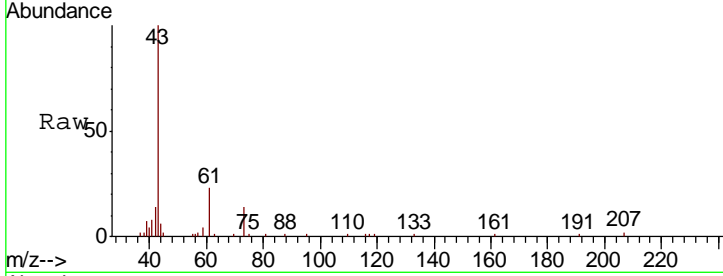
#43  
 Isopropyl Acetate  
 Concen: 19.20 ug/l  
 RT: 7.10 min Scan# 667  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
43	100		
61	23.4	23.8	35.8#
87	0.0	0.6	1.0#

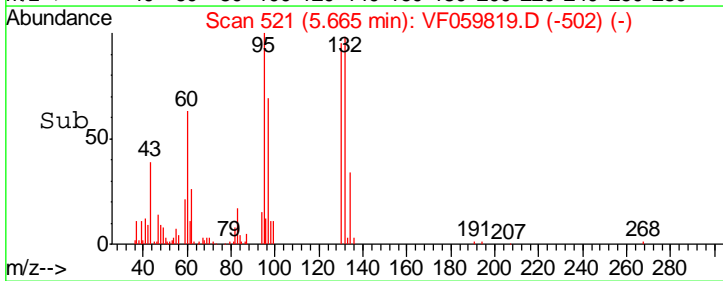
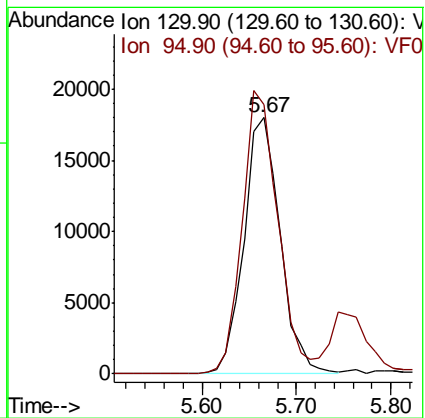
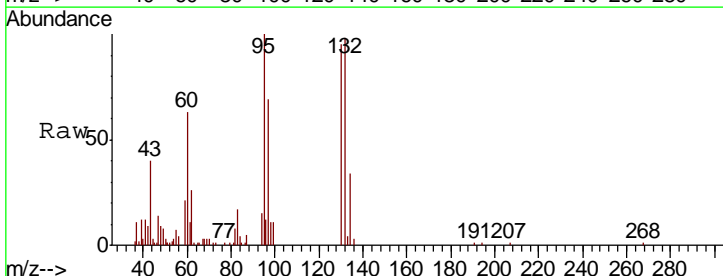
Manual Integrations  
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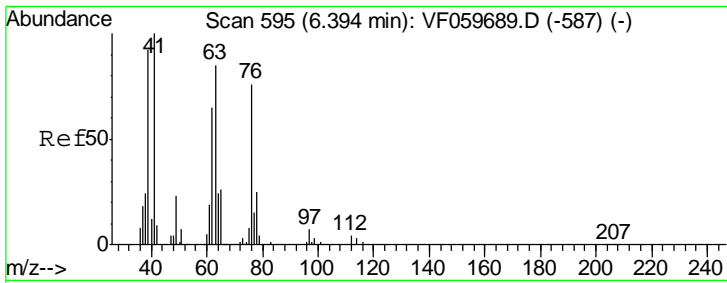
apatel  
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#44  
 Trichloroethene  
 Concen: 20.42 ug/l  
 RT: 5.67 min Scan# 521  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
130	100		
95	105.3	0.0	191.0





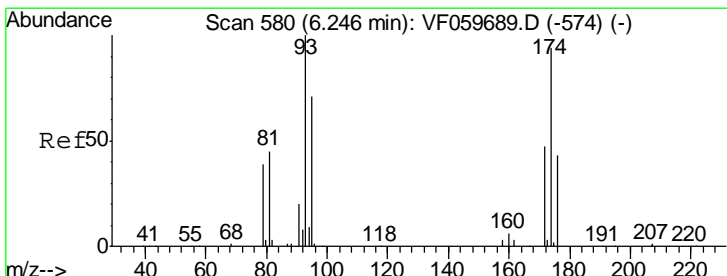
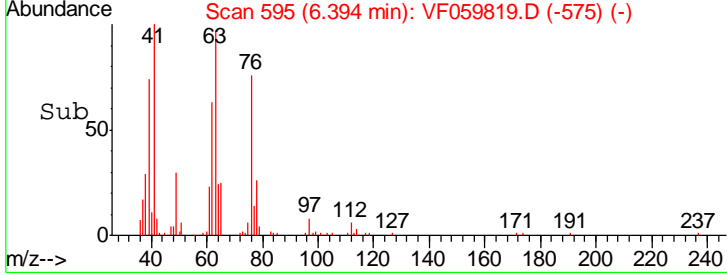
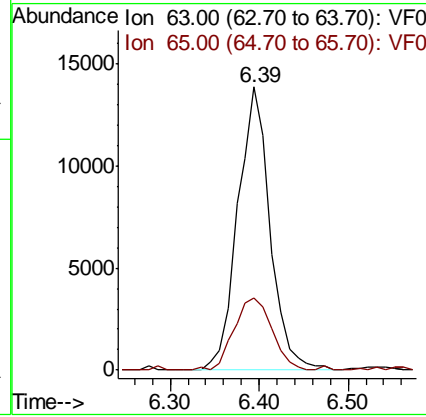
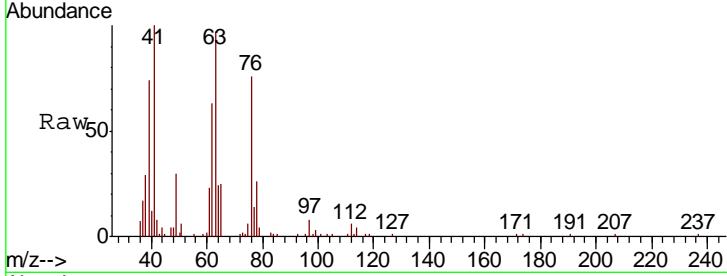
#45  
 1,2-Dichloropropane  
 Concen: 21.76 ug/l  
 RT: 6.39 min Scan# 595  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion: 63 Resp: 34970

Ion	Ratio	Lower	Upper
63	100		
65	25.6	25.2	37.8

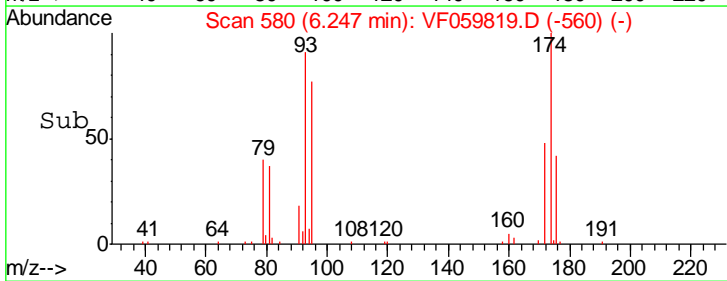
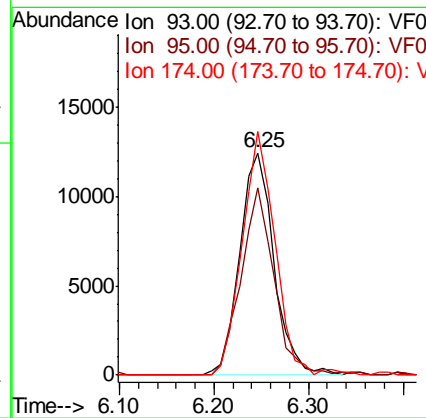
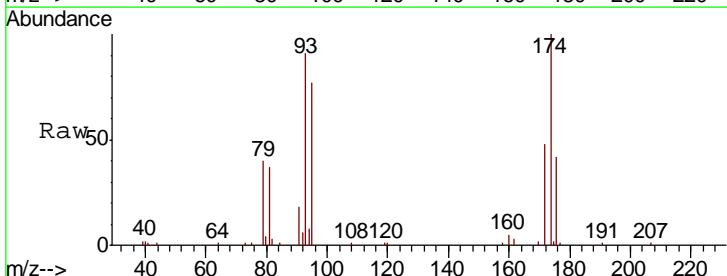
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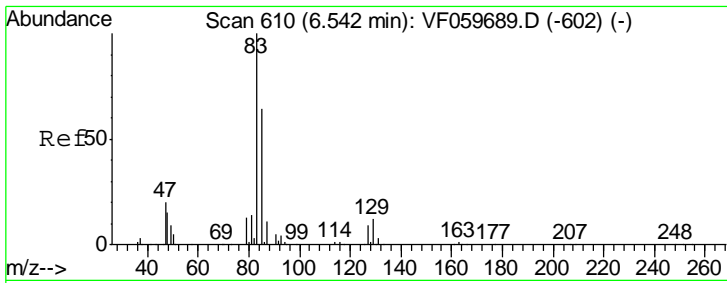


#46  
 Dibromomethane  
 Concen: 20.51 ug/l  
 RT: 6.25 min Scan# 580  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion: 93 Resp: 31285

Ion	Ratio	Lower	Upper
93	100		
95	84.1	57.1	85.7
174	109.6	74.8	112.2





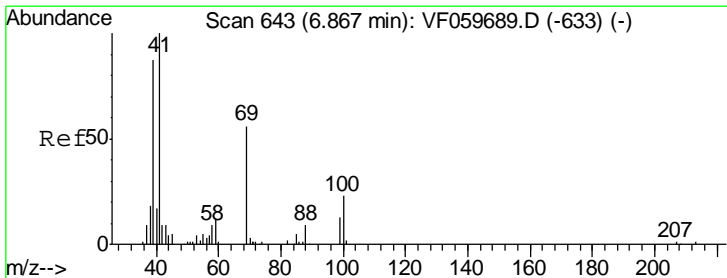
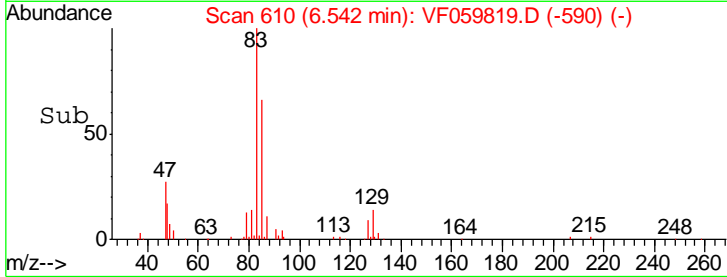
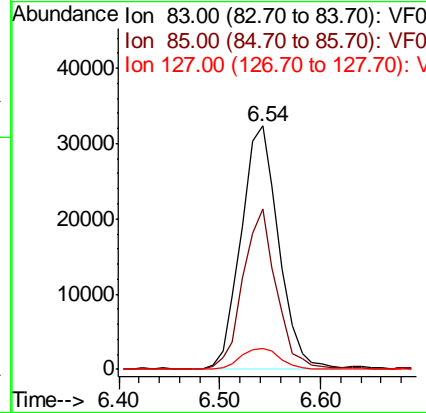
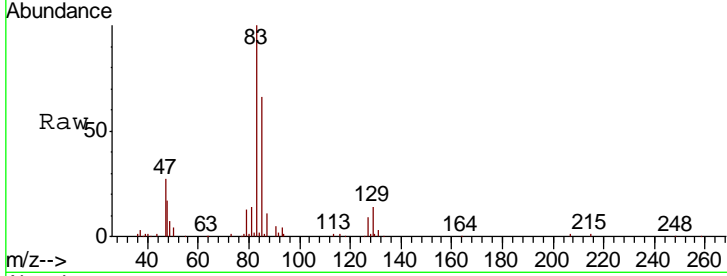
#47  
 Bromodichloromethane  
 Concen: 20.23 ug/l  
 RT: 6.54 min Scan# 610  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.6	51.0	76.6
127	8.8	7.3	10.9

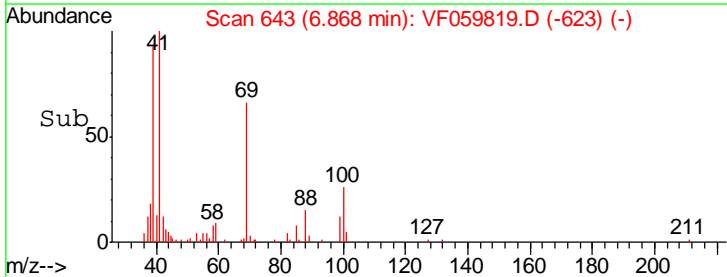
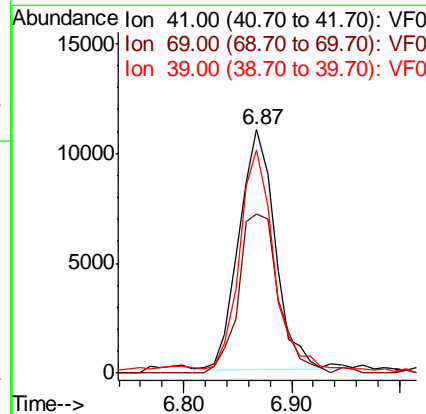
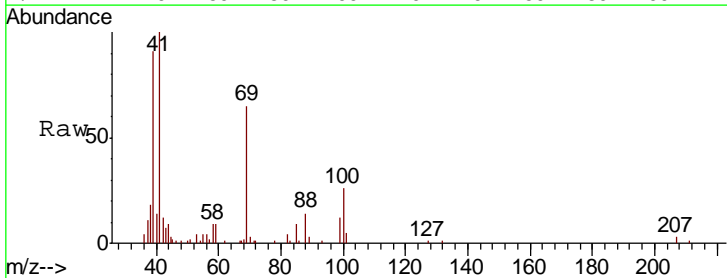
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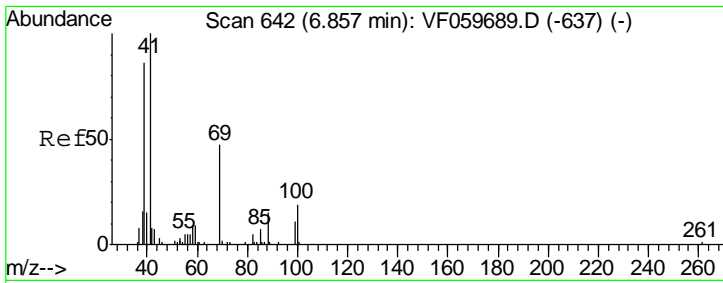
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#48  
 Methyl methacrylate  
 Concen: 18.96 ug/l  
 RT: 6.87 min Scan# 643  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
41	100		
69	65.3	44.4	66.6
39	91.4	69.4	104.2





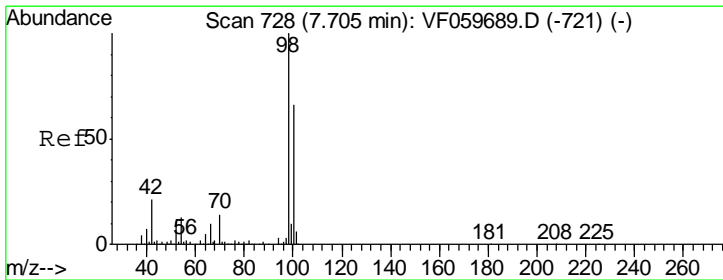
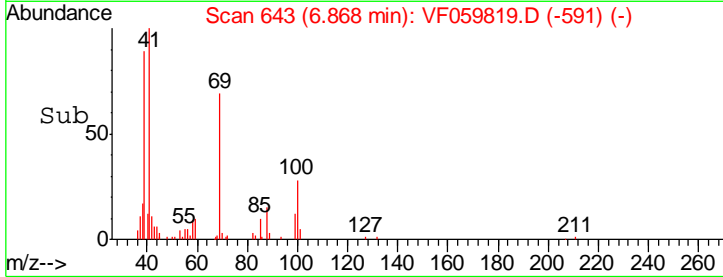
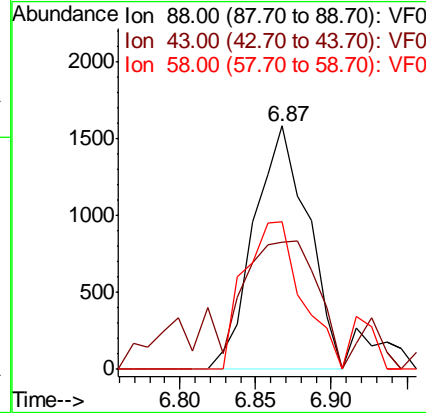
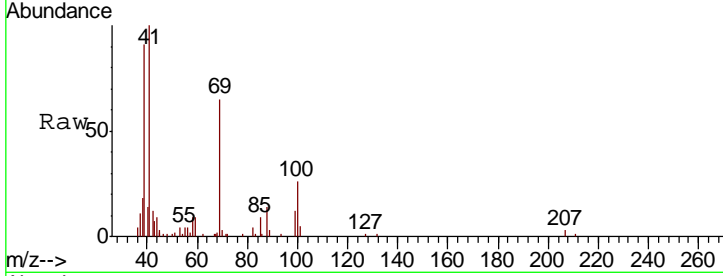
#49  
 1,4-Dioxane  
 Concen: 431.52 ug/l  
 RT: 6.87 min Scan# 643  
 Delta R.T. 0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
88	3948		
88	100		
43	52.4	45.2	67.8
58	60.8	49.0	73.6

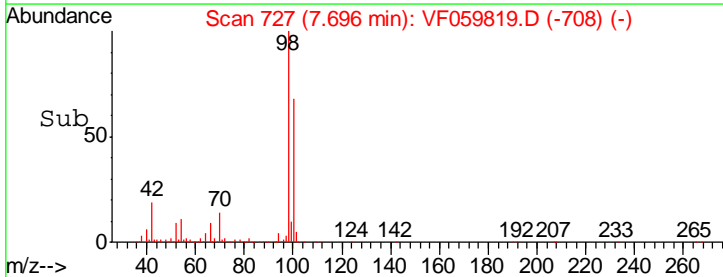
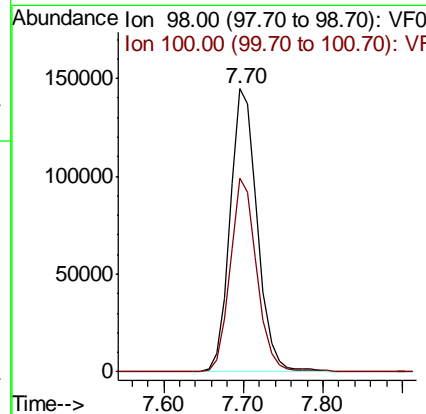
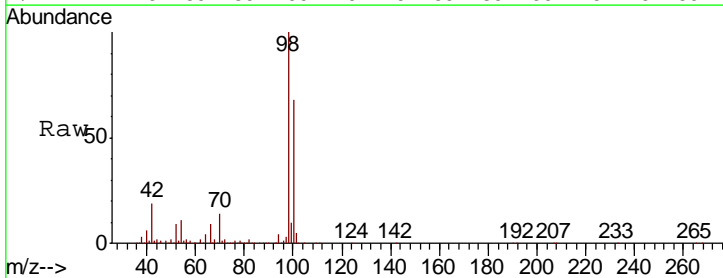
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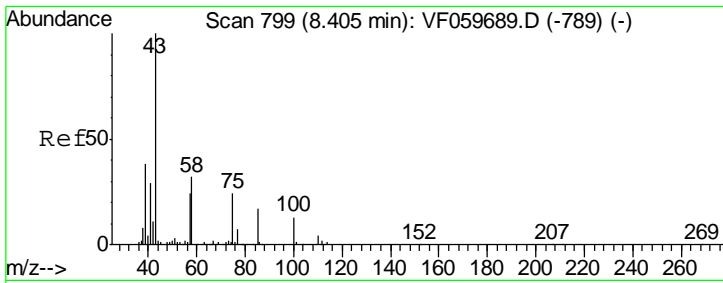
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#50  
 Toluene-d8  
 Concen: 47.56 ug/l  
 RT: 7.70 min Scan# 727  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
98	347116		
98	100		
100	68.4	52.8	79.2





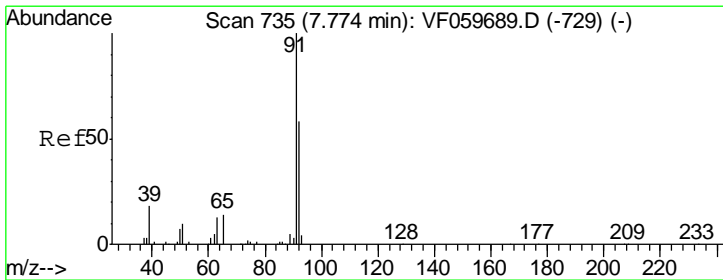
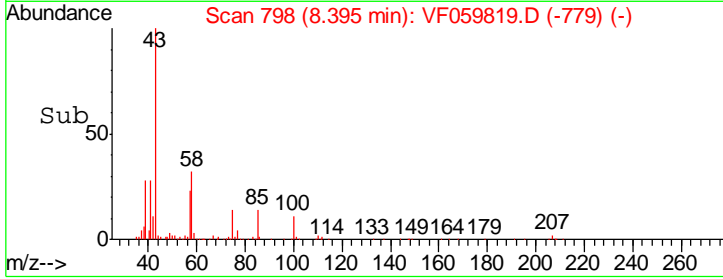
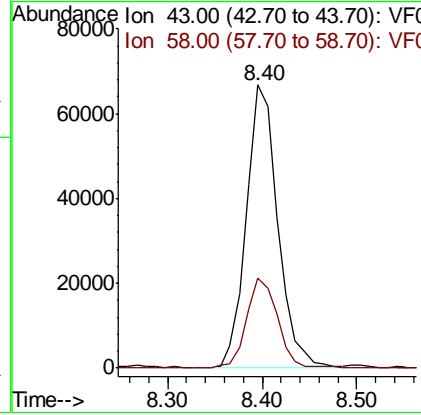
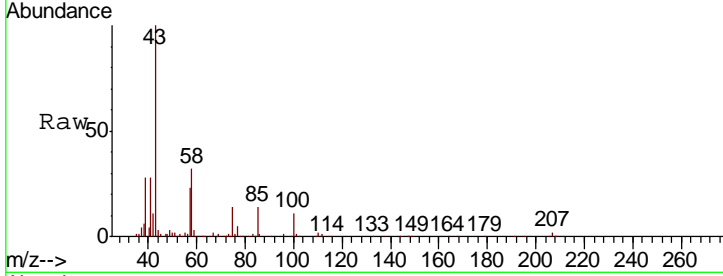
#51  
 4-Methyl-2-Pentanone  
 Concen: 112.79 ug/l  
 RT: 8.40 min Scan# 798  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.7	25.9	38.9

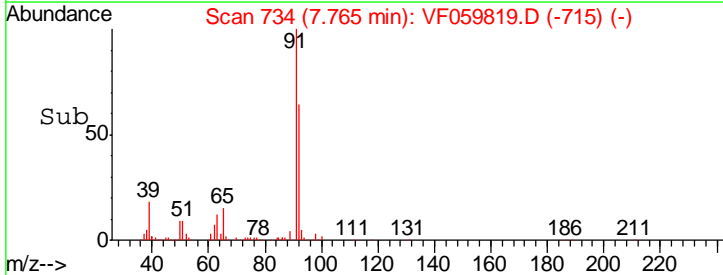
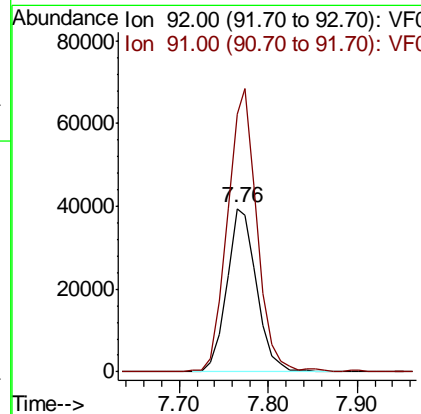
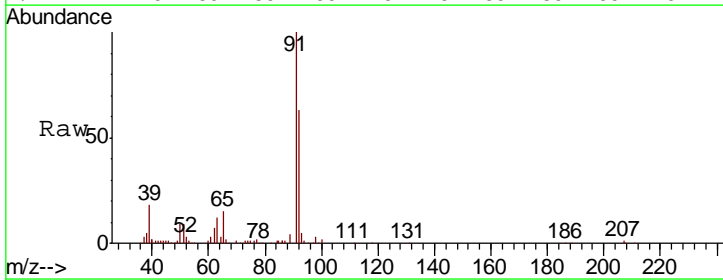
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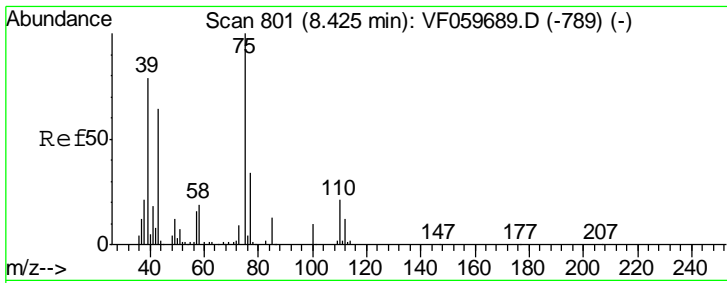
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#52  
 Toluene  
 Concen: 21.33 ug/l  
 RT: 7.76 min Scan# 734  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
92	100		
91	157.7	139.0	208.4



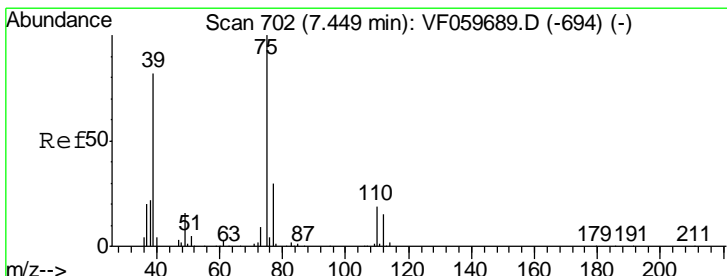
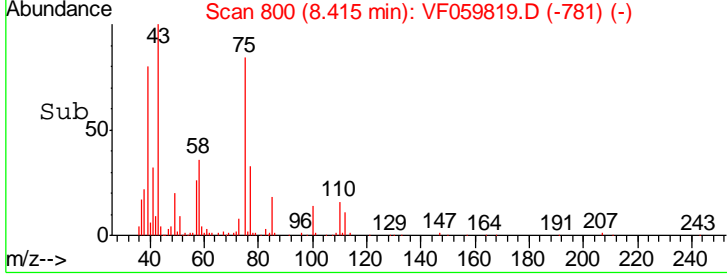
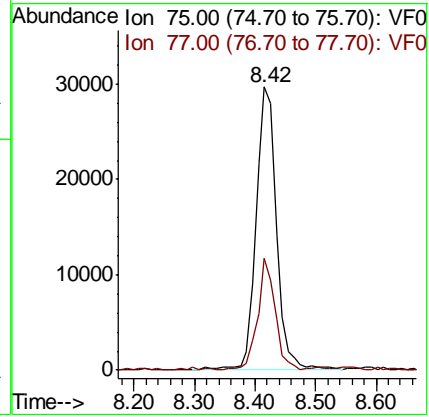
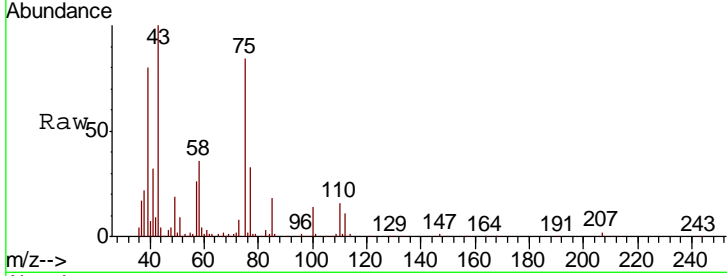


#53  
 t-1,3-Dichloropropene  
 Concen: 19.38 ug/l  
 RT: 8.42 min Scan# 800  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

**Instrument :**  
 MSVOA\_F  
**ClientSampled :**  
 VF0802SBSD01

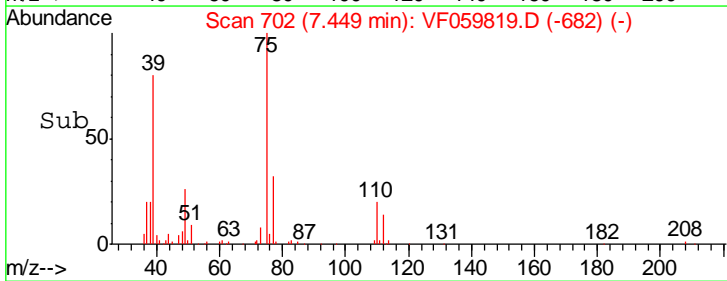
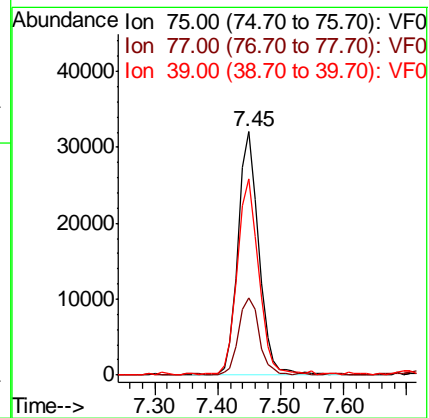
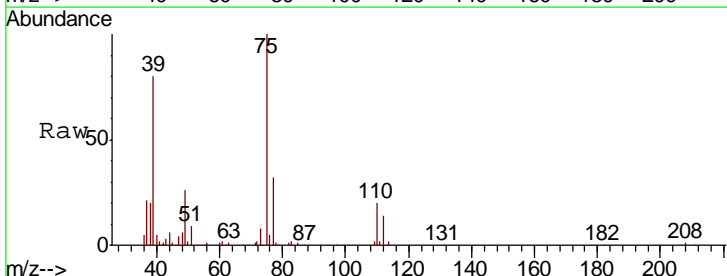
Tgt Ion	Resp	Lower	Upper
75	69869		
75	100		
77	39.6	27.0	40.4

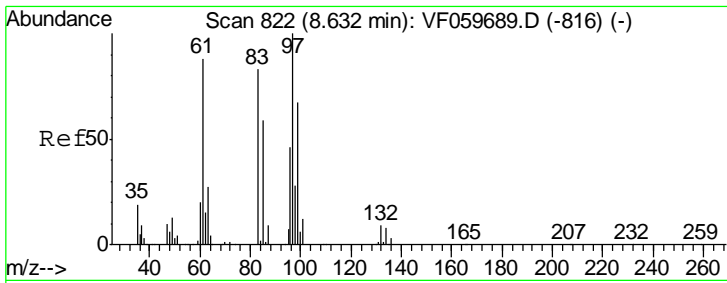
**Manual Integrations**  
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#54  
 cis-1,3-Dichloropropene  
 Concen: 20.88 ug/l  
 RT: 7.45 min Scan# 702  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
75	72900		
75	100		
77	31.7	24.0	36.0
39	80.4	65.4	98.2





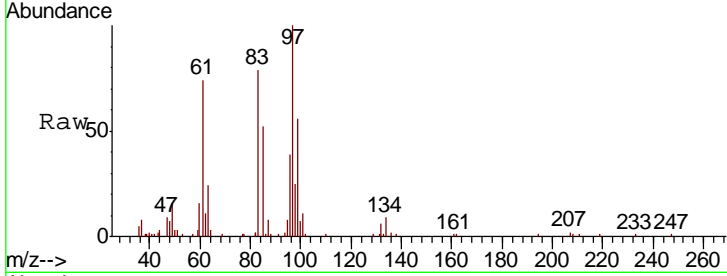
#55  
 1,1,2-Trichloroethane  
 Concen: 21.31 ug/l  
 RT: 8.63 min Scan# 822  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

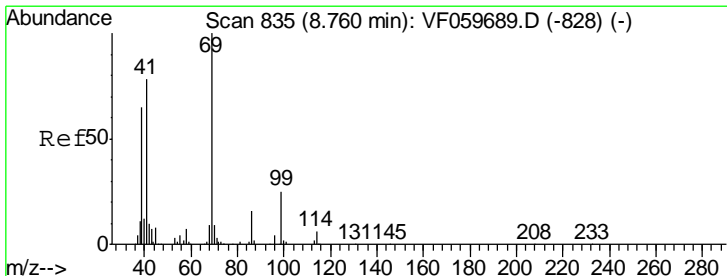
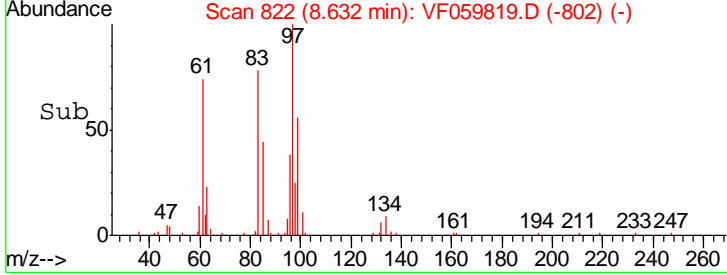
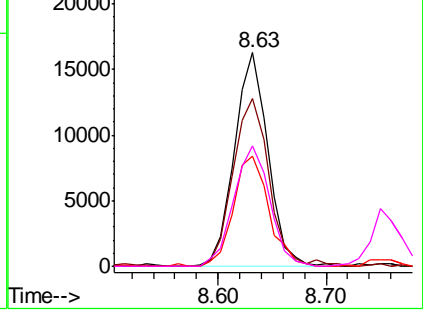
Tgt Ion	Resp	Lower	Upper
97	35127		
97	100		
83	78.7	66.6	100.0
85	51.5	47.4	71.0
99	56.1	53.2	79.8

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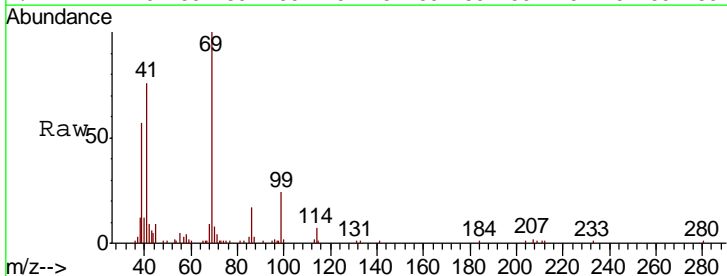


Abundance Ion 97.00 (96.70 to 97.70): VF0  
 25000 Ion 82.95 (82.65 to 83.65): VF0  
 20000 Ion 84.95 (84.65 to 85.65): VF0  
 15000 Ion 98.95 (98.65 to 99.65): VF0

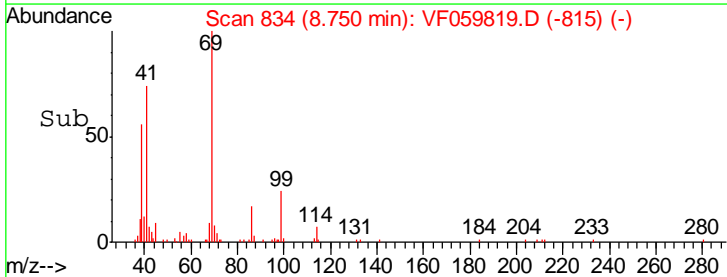
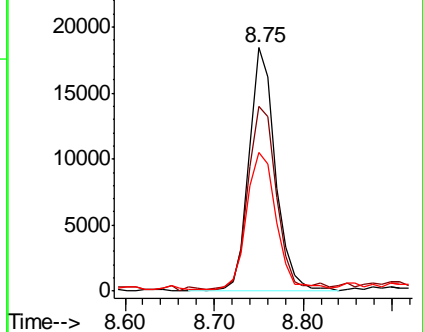


#56  
 Ethyl methacrylate  
 Concen: 21.95 ug/l  
 RT: 8.75 min Scan# 834  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

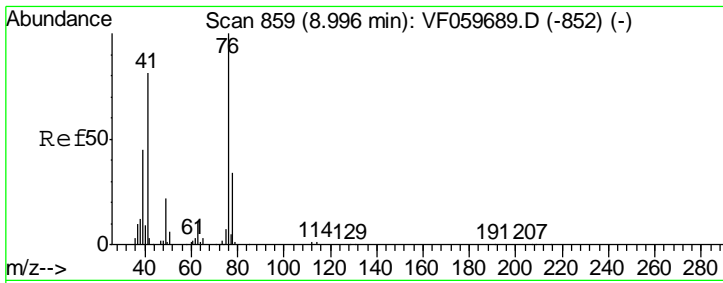
Tgt Ion	Resp	Lower	Upper
69	37732		
69	100		
41	75.8	62.3	93.5
39	57.0	52.4	78.6



Abundance Ion 69.00 (68.70 to 69.70): VF0  
 25000 Ion 41.00 (40.70 to 41.70): VF0  
 20000 Ion 39.00 (38.70 to 39.70): VF0







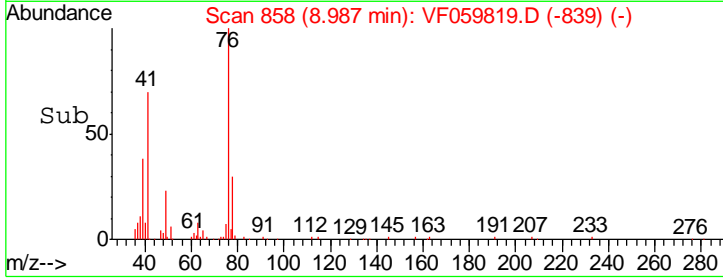
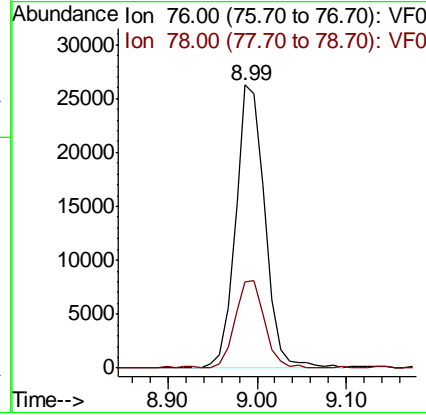
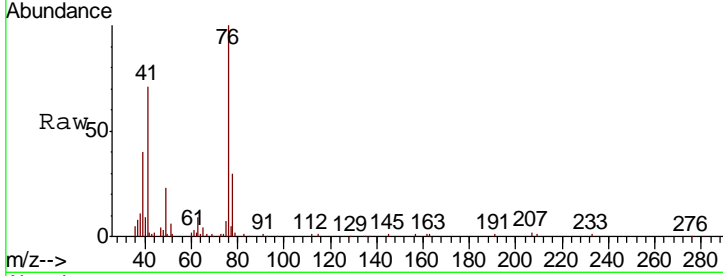
#57  
 1,3-Dichloropropane  
 Concen: 21.27 ug/l  
 RT: 8.99 min Scan# 858  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
76	60146		
76	100		
78	30.3	27.2	40.8

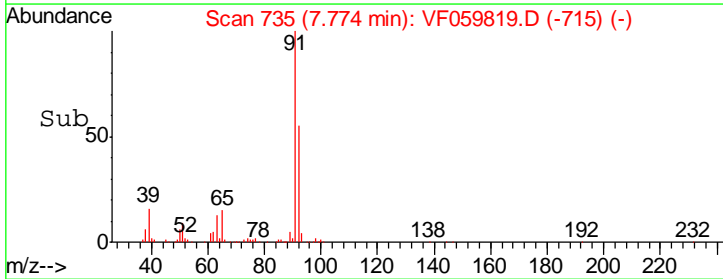
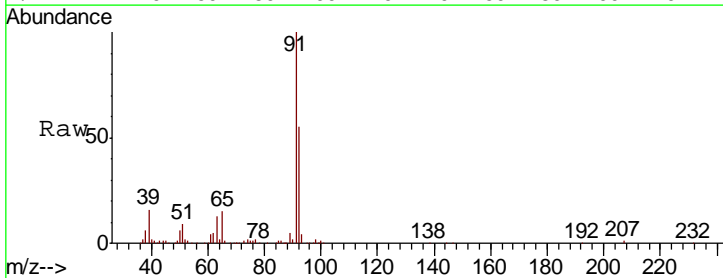
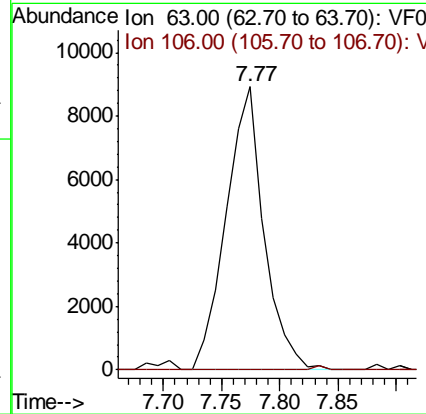
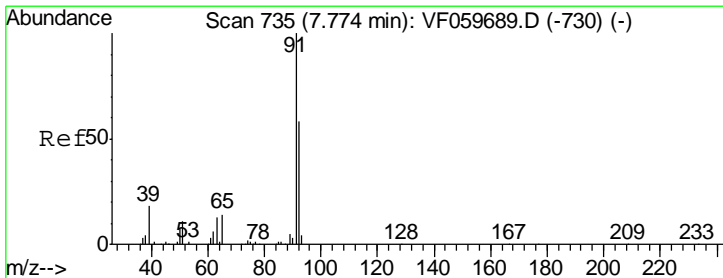
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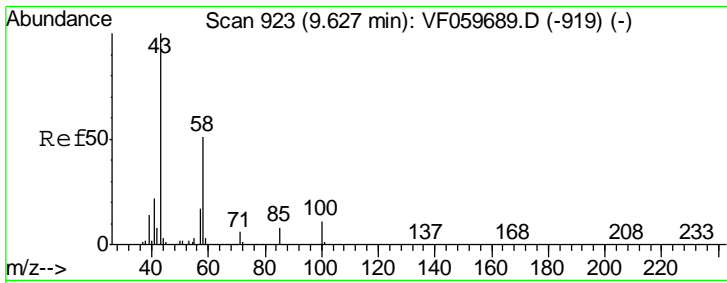
apatel  
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 101.39 ug/l  
 RT: 7.77 min Scan# 735  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
63	20120		
63	100		
106	0.0	0.0	0.0



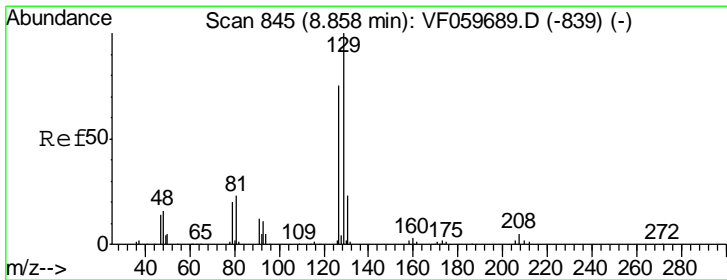
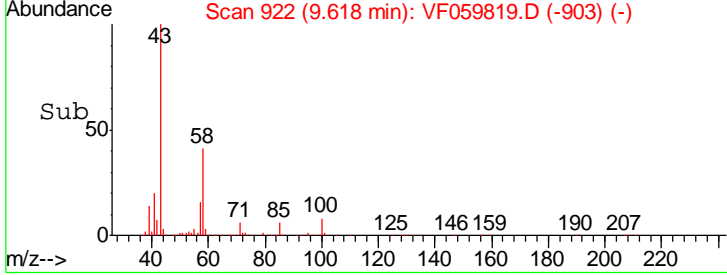
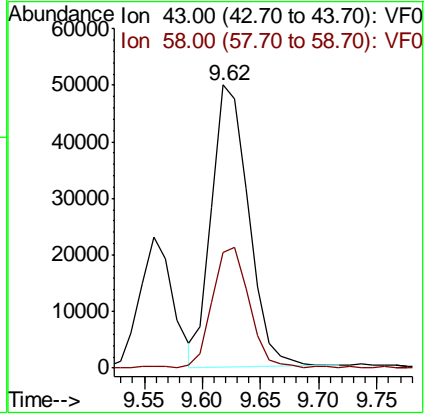
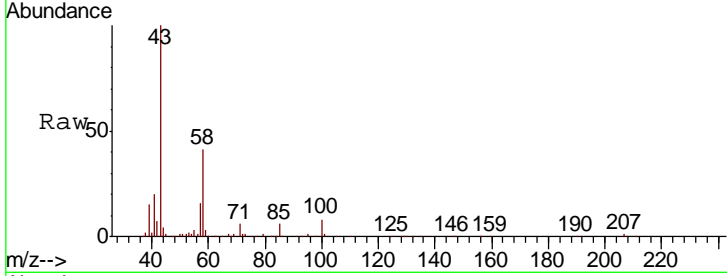


#59  
 2-Hexanone  
 Concen: 99.75 ug/l  
 RT: 9.62 min Scan# 922  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

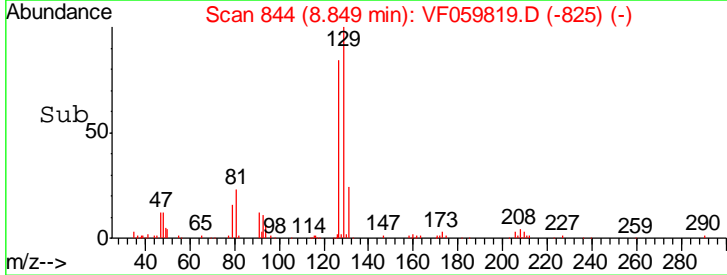
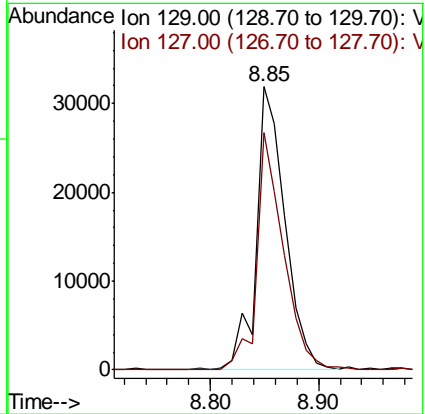
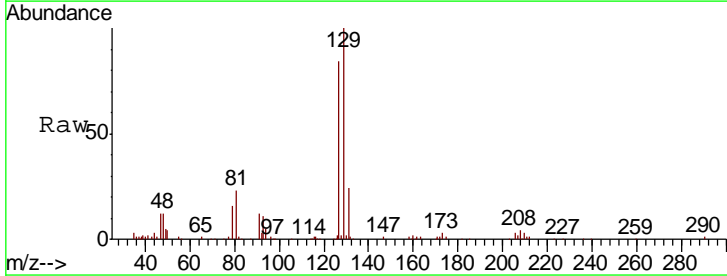
Tgt Ion	Resp	Lower	Upper
43	109555		
58	41.0	23.3	69.8

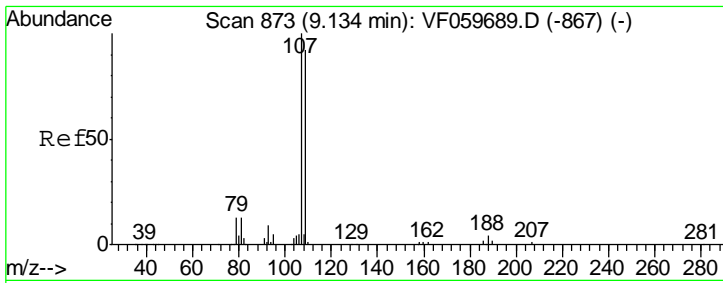
Manual Integrations  
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#60  
 Dibromochloromethane  
 Concen: 20.28 ug/l  
 RT: 8.85 min Scan# 844  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
129	58968		
127	86.2	37.7	113.1





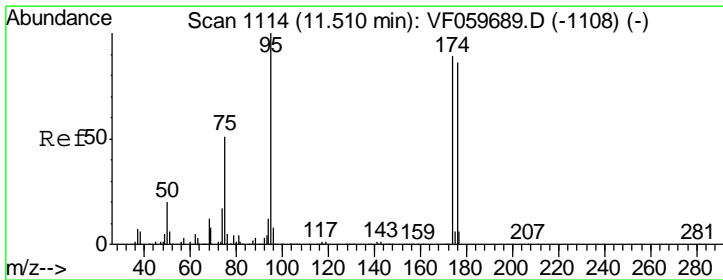
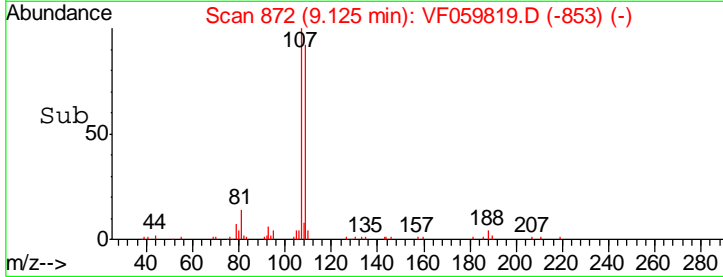
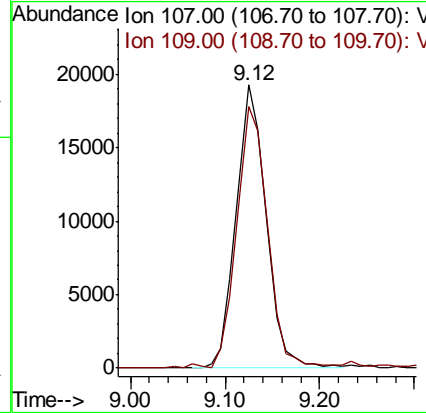
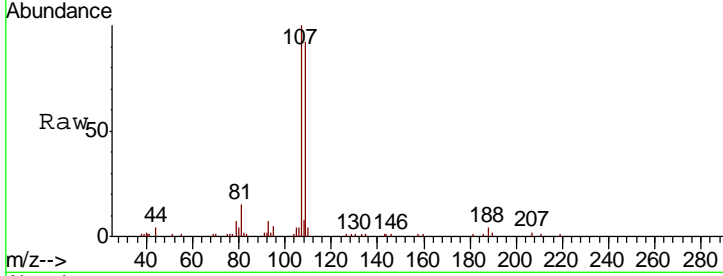
#61  
 1,2-Dibromoethane  
 Concen: 22.12 ug/l  
 RT: 9.12 min Scan# 872  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument :  
 MSVOA\_F  
 ClientSampled :  
 VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
107	42565		
109	92.3	73.6	110.4

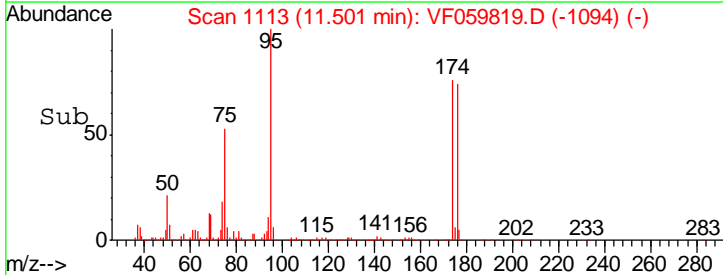
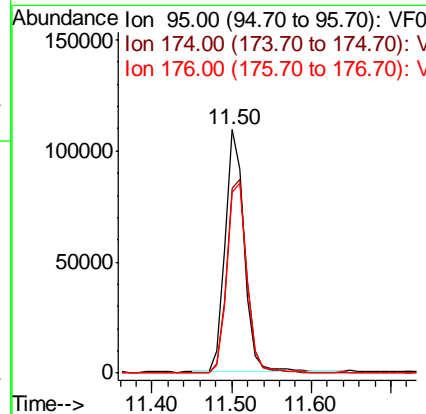
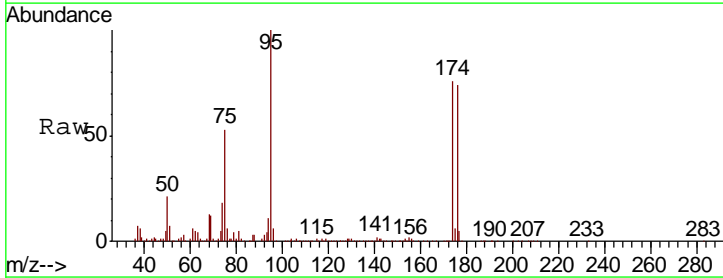
Manual Integrations  
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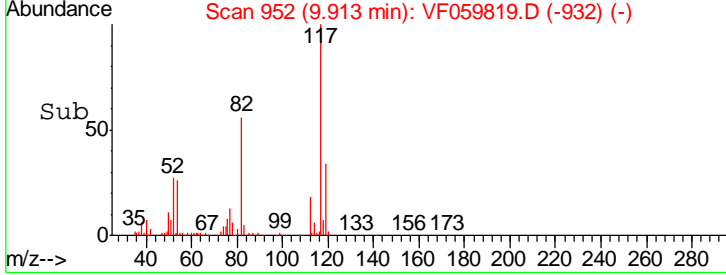
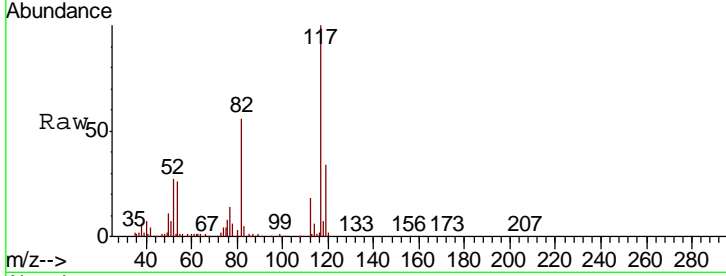
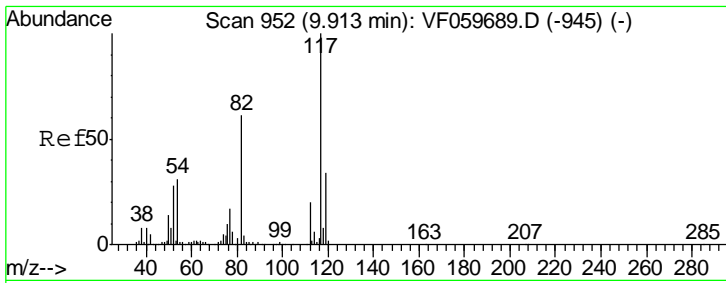
apatel  
 8/3/2018 4:02:20 PM



#62  
 4-Bromofluorobenzene  
 Concen: 46.25 ug/l  
 RT: 11.50 min Scan# 1113  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
95	186852		
174	75.7	0.0	178.4
176	74.1	0.0	173.0



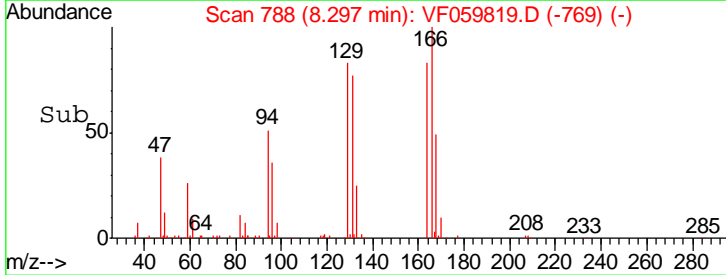
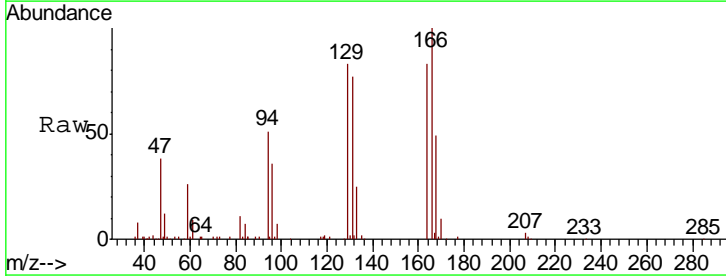
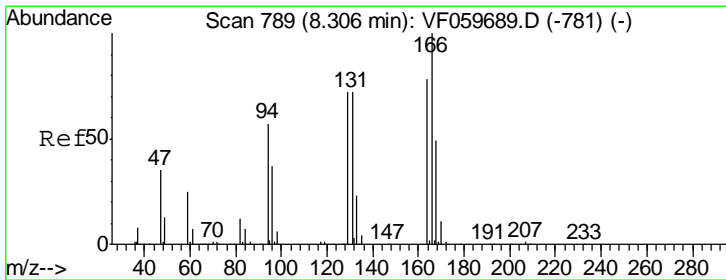
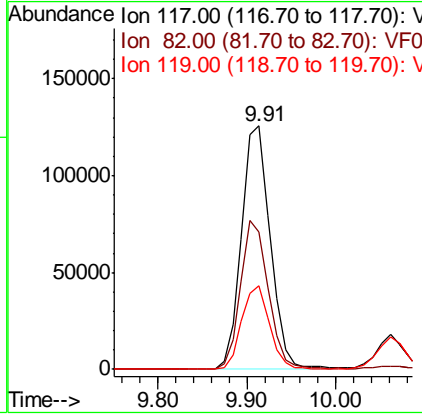


#63  
 Chlorobenzene-d5  
 Concen: 50.00 ug/l  
 RT: 9.91 min Scan# 952  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
117	100		
82	56.3	49.0	73.4
119	34.4	27.3	40.9

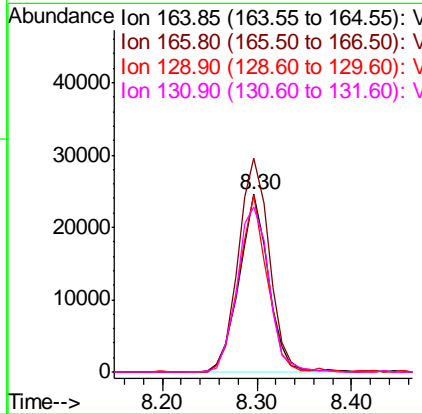
Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

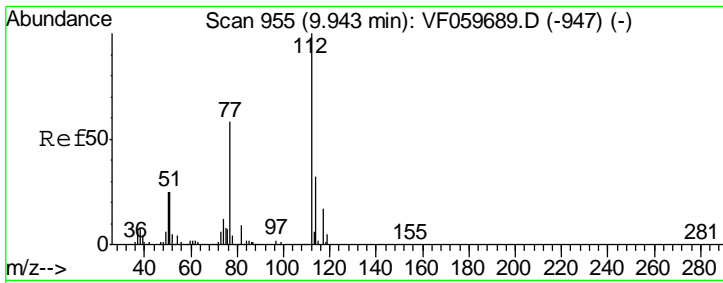
Manual Integrations  
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#64  
 Tetrachloroethene  
 Concen: 25.61 ug/l  
 RT: 8.30 min Scan# 788  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
164	100		
166	120.5	102.1	153.1
129	99.5	73.8	110.6
131	92.9	73.1	109.7





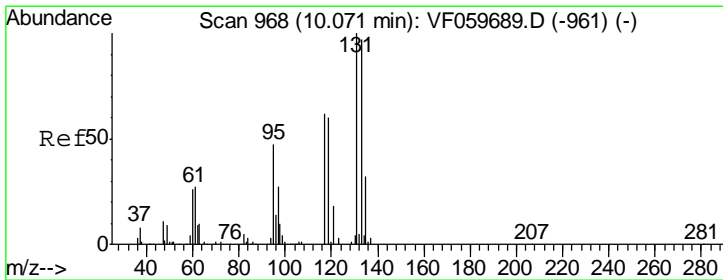
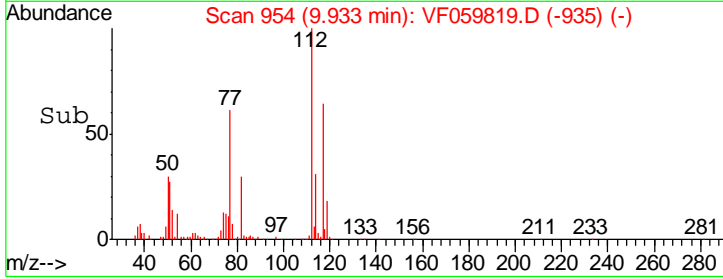
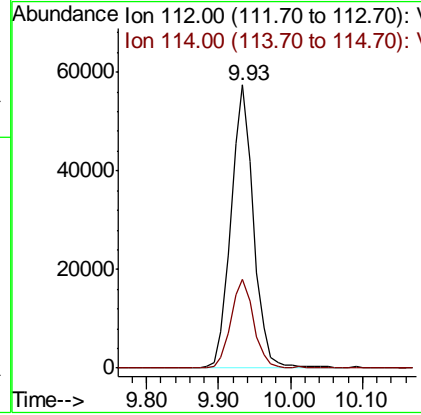
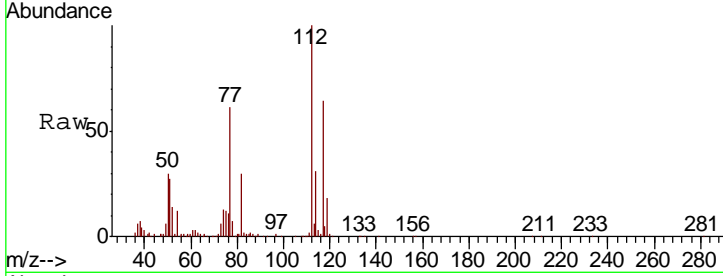
#65  
 Chlorobenzene  
 Concen: 22.07 ug/l  
 RT: 9.93 min Scan# 954  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
112	124347		
114	31.2	25.6	38.4

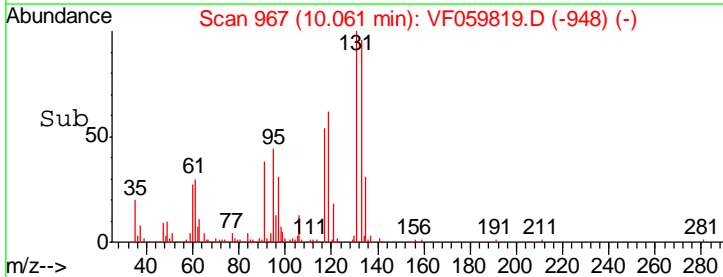
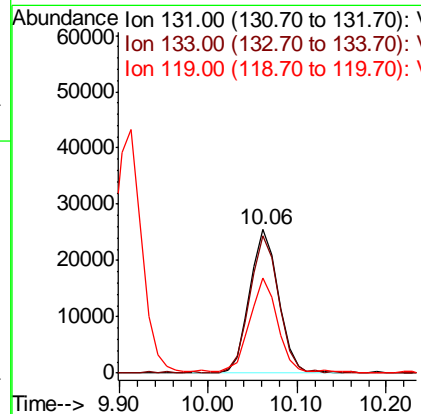
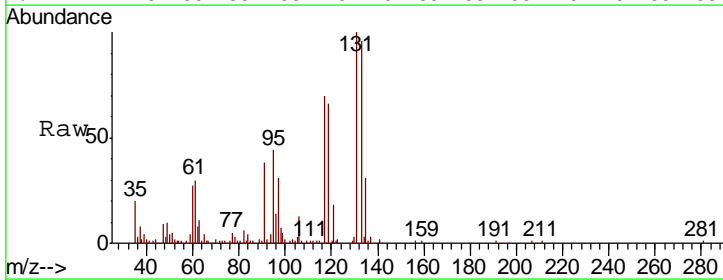
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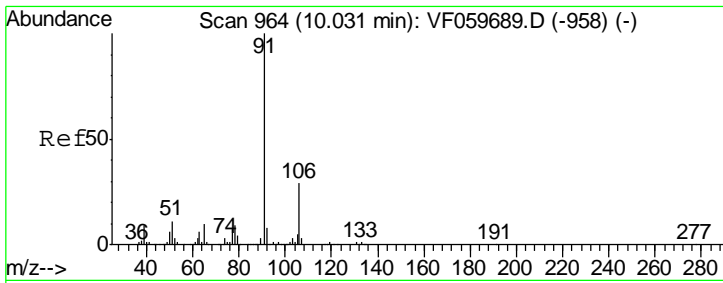
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#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 21.71 ug/l  
 RT: 10.06 min Scan# 967  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
131	57104		
133	96.0	48.5	145.5
119	66.1	30.3	90.8





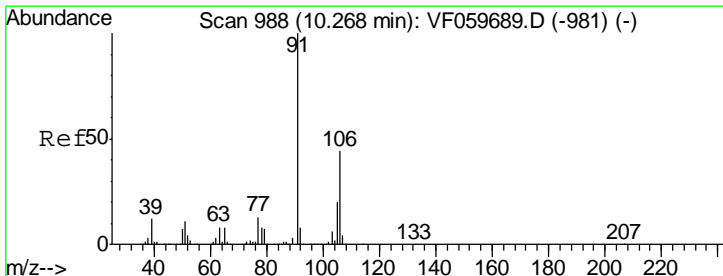
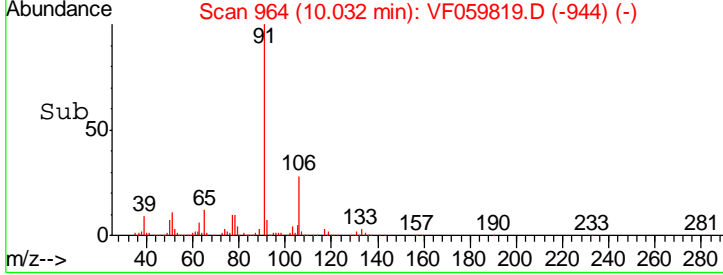
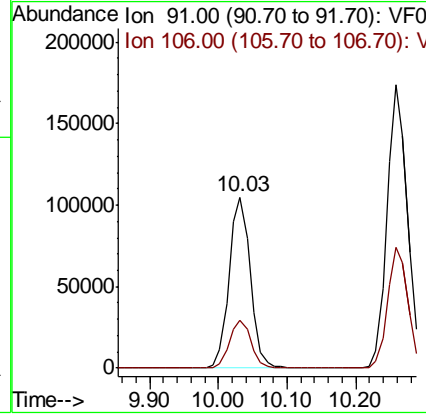
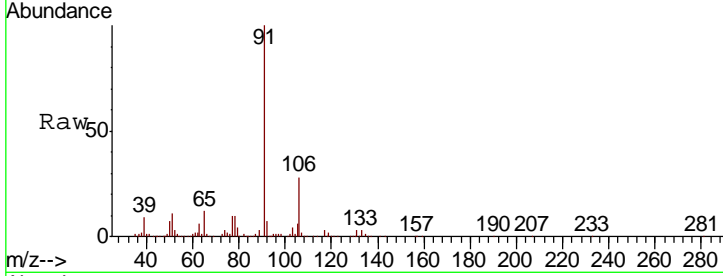
#67  
Ethyl Benzene  
Concen: 22.97 ug/l  
RT: 10.03 min Scan# 964  
Delta R.T. 0.00 min  
Lab File: VF059819.D  
Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
91	100		
106	27.7	22.9	34.3

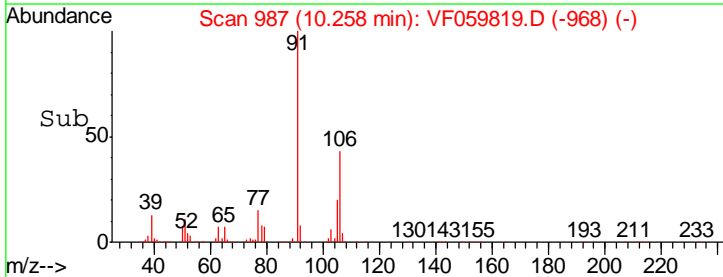
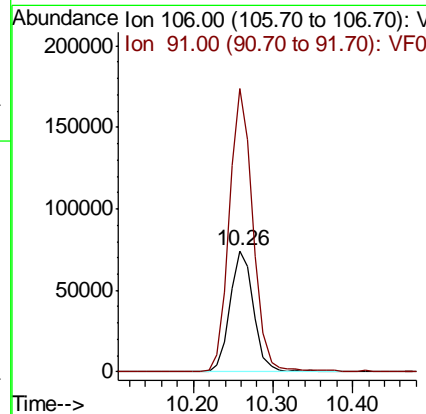
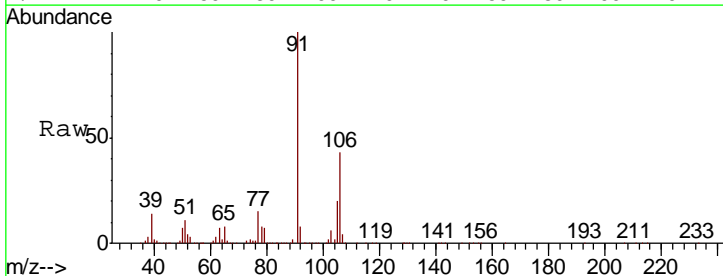
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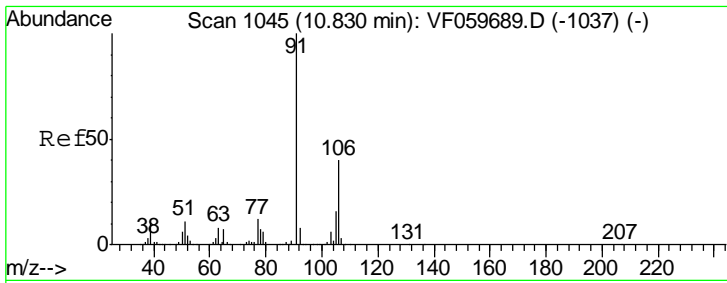
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#68  
m/p-Xylenes  
Concen: 46.87 ug/l  
RT: 10.26 min Scan# 987  
Delta R.T. -0.01 min  
Lab File: VF059819.D  
Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
106	100		
91	234.3	181.7	272.5



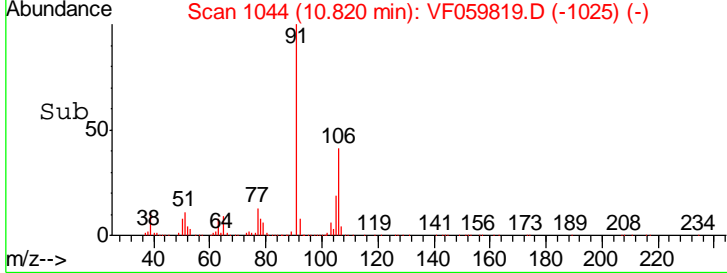
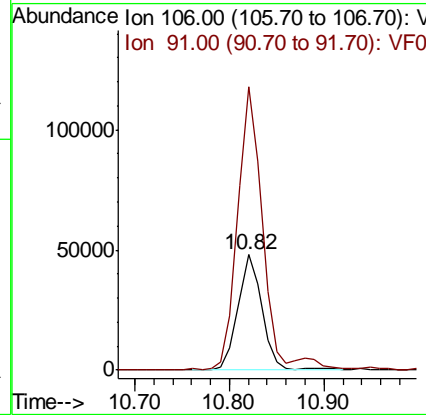
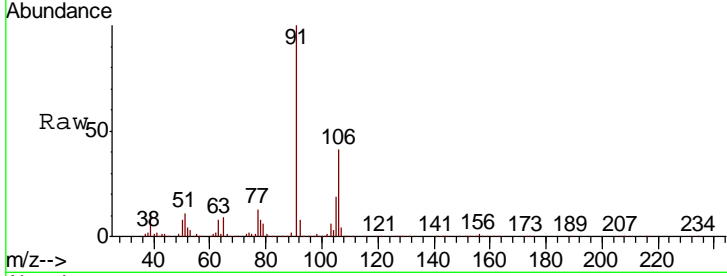


#69  
 o-Xylene  
 Concen: 23.76 ug/l  
 RT: 10.82 min Scan# 1044  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 Client Sampled : VF0802SBSD01

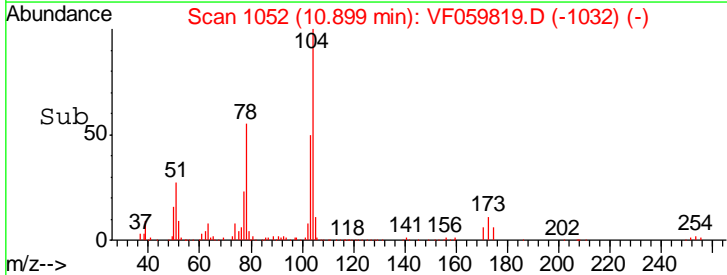
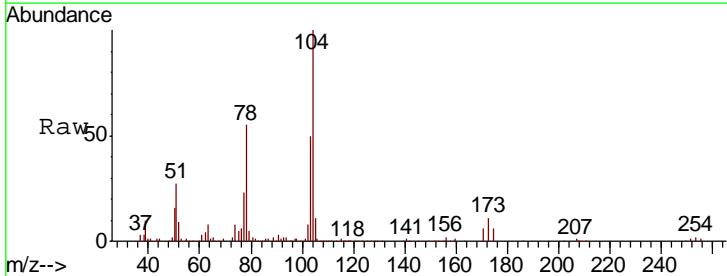
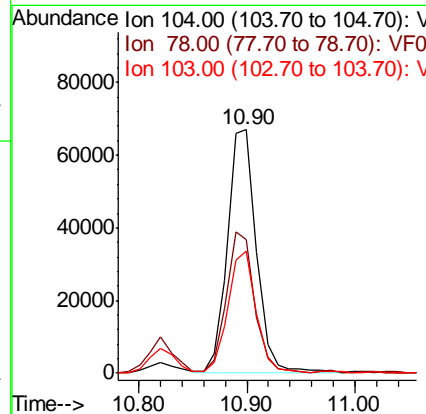
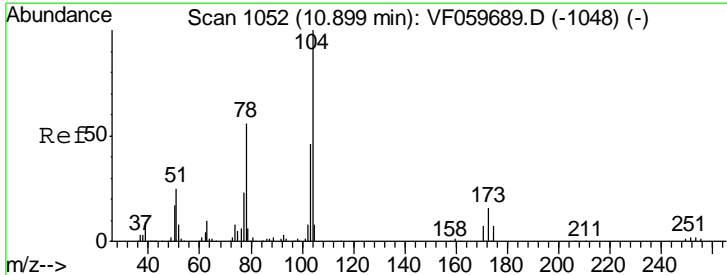
Tgt Ion	Resp	Lower	Upper
106	85336		
106	100		
91	245.3	124.6	373.7

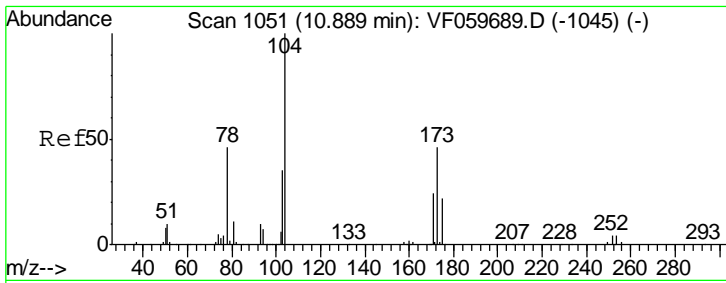
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#70  
 Styrene  
 Concen: 22.85 ug/l  
 RT: 10.90 min Scan# 1052  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
104	124334		
104	100		
78	55.0	45.3	67.9
103	50.2	36.6	54.8





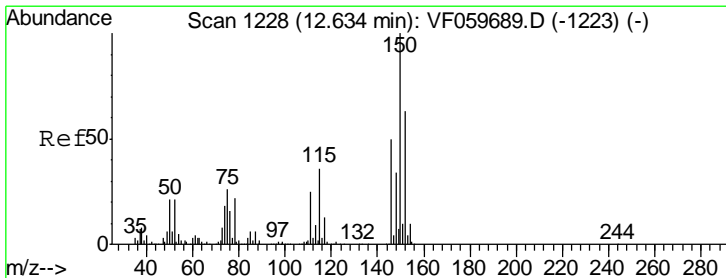
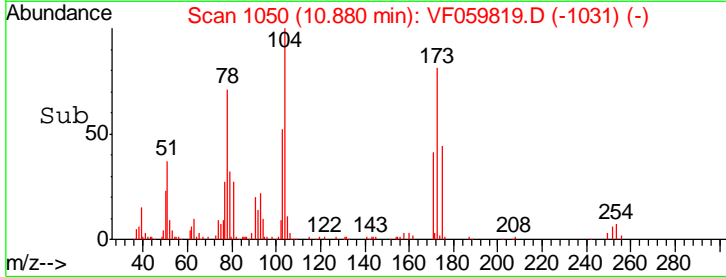
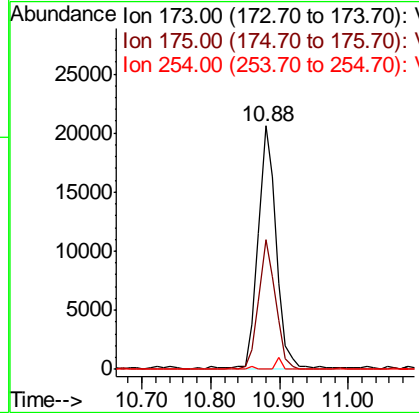
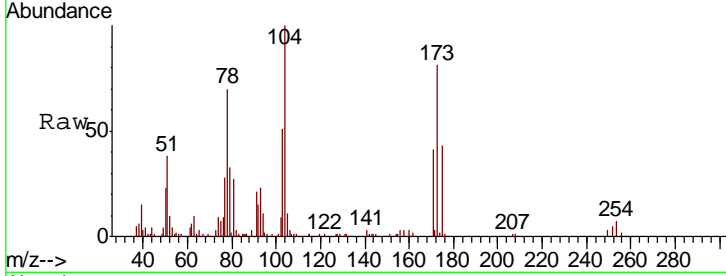
#71  
 Bromoform  
 Concen: 22.48 ug/l  
 RT: 10.88 min Scan# 1050  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
173	38537		
173	100		
175	53.3	23.4	70.0
254	0.0	0.0	0.0

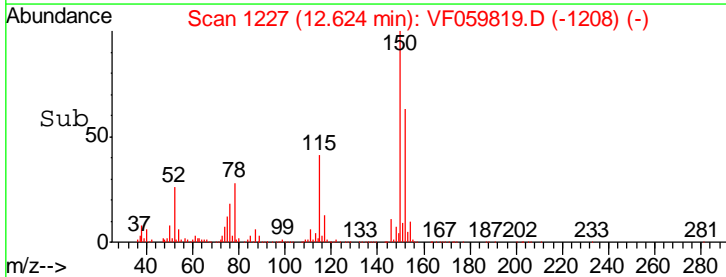
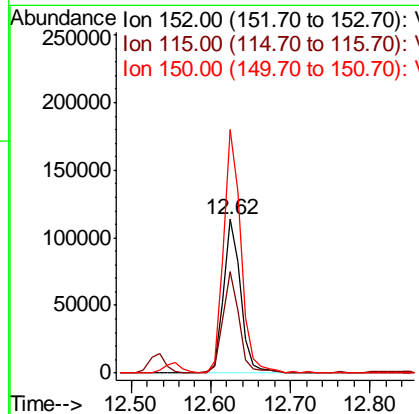
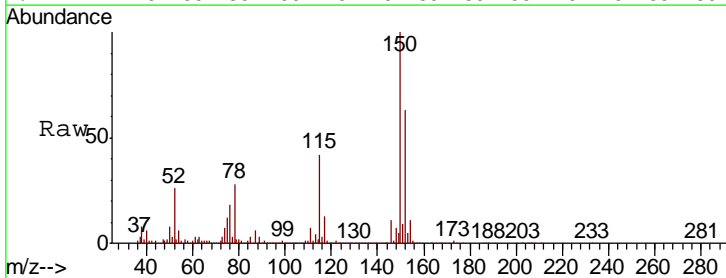
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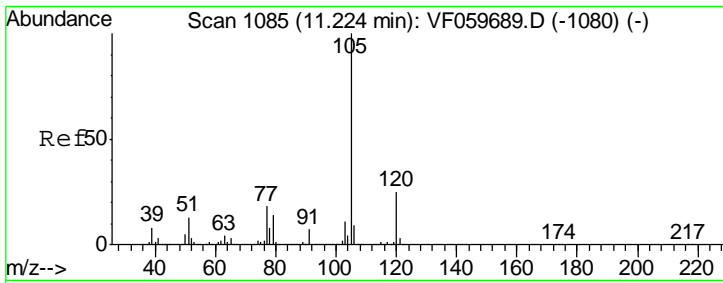


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.62 min Scan# 1227  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
152	171737		
152	100		
115	66.2	28.2	84.6
150	158.6	0.0	316.2





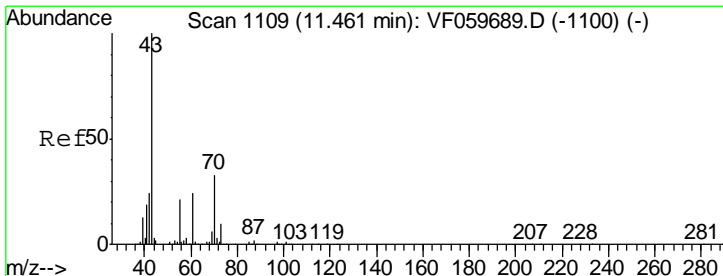
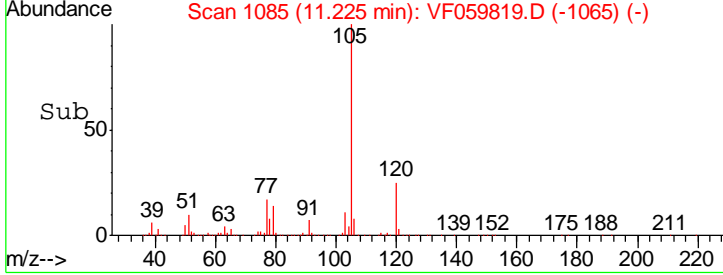
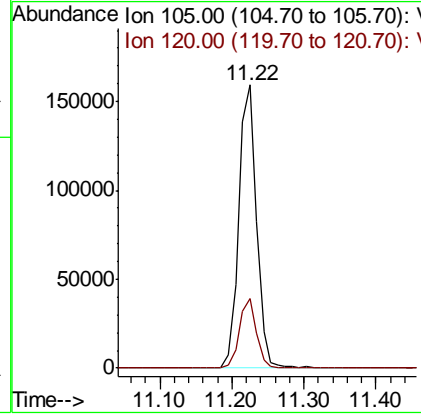
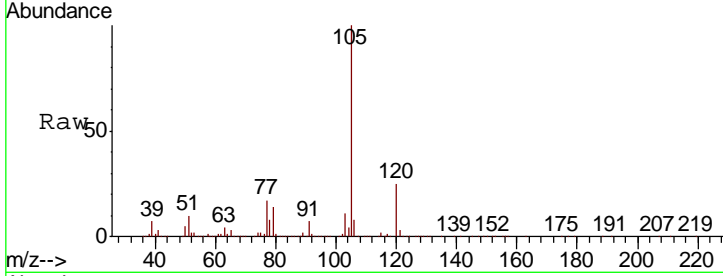


#73  
 Isopropylbenzene  
 Concen: 24.54 ug/l  
 RT: 11.22 min Scan# 1085  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

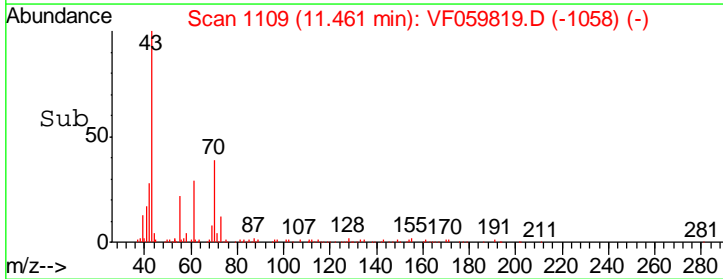
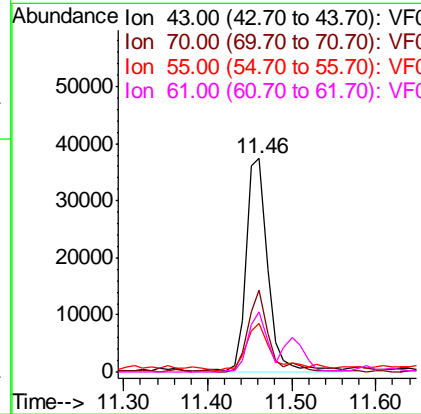
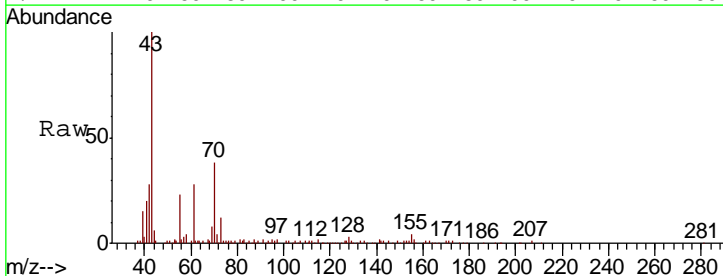
Tgt Ion	Resp	Lower	Upper
105	276532		
120	24.6	12.4	37.4

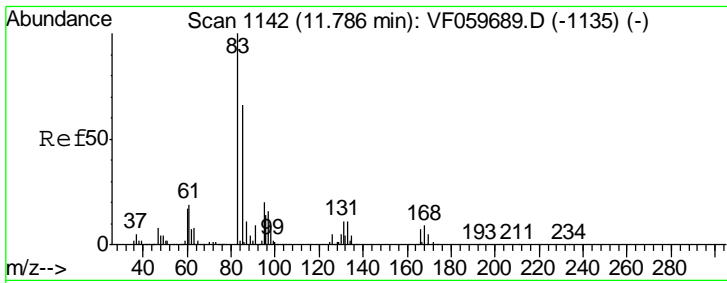
Manual Integrations  
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#74  
 N-nyl acetate  
 Concen: 23.91 ug/l  
 RT: 11.46 min Scan# 1109  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
43	67983		
70	38.3	26.3	39.5
55	22.9	16.6	25.0
61	28.2	19.1	28.7





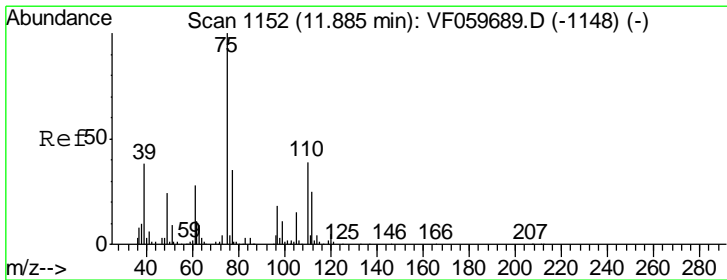
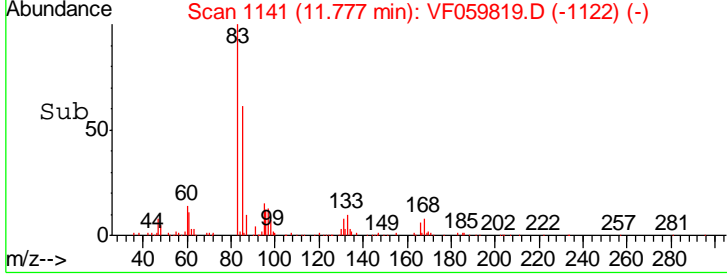
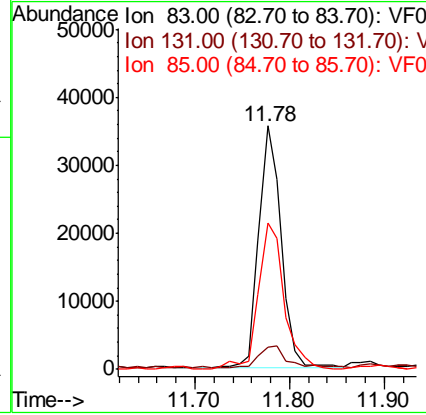
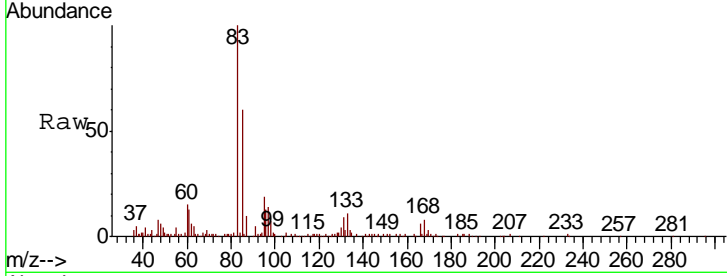
#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 27.42 ug/l  
 RT: 11.78 min Scan# 1141  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
83	58153		
83	100		
131	9.3	5.8	17.3
85	60.3	32.8	98.3

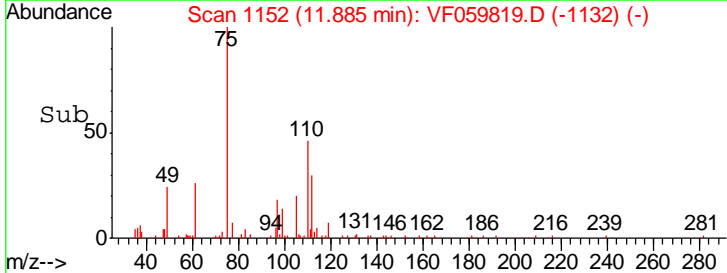
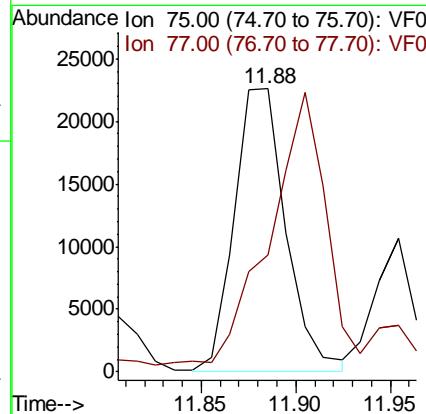
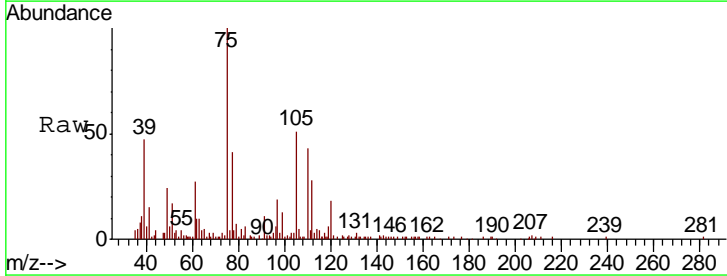
Manual Integrations  
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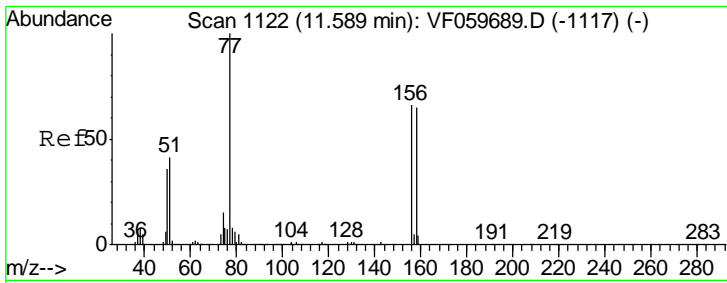
apatel  
 8/3/2018 4:02:20 PM



#76  
 1,2,3-Trichloropropane  
 Concen: 23.75 ug/l  
 RT: 11.88 min Scan# 1152  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
75	42843		
75	100		
77	41.2	18.0	54.0



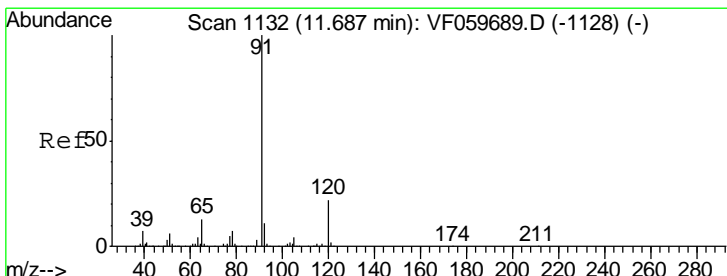
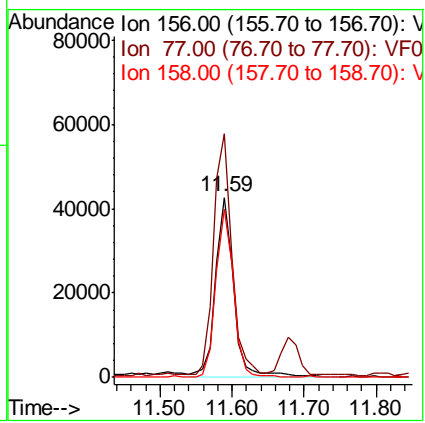
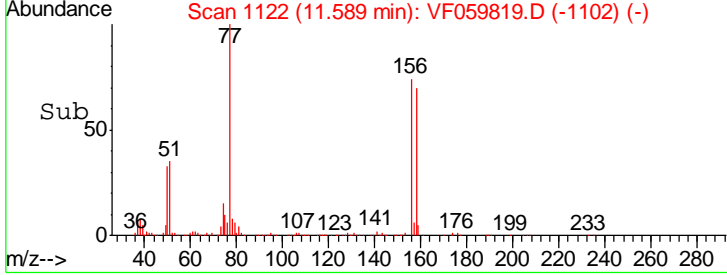
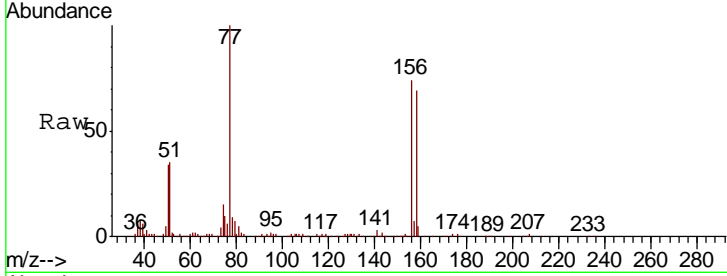


#77  
 Bromobenzene  
 Concen: 24.70 ug/l  
 RT: 11.59 min Scan# 1122  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 Client Sampled : VF0802SBSD01

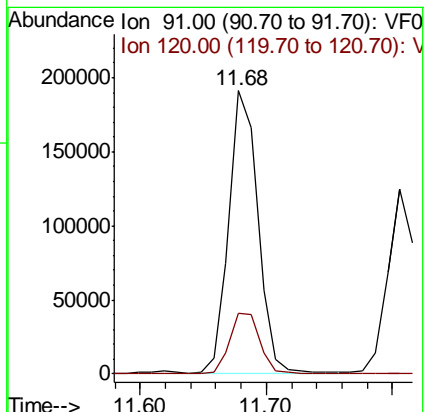
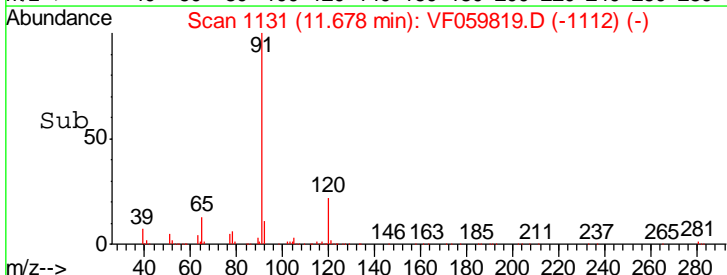
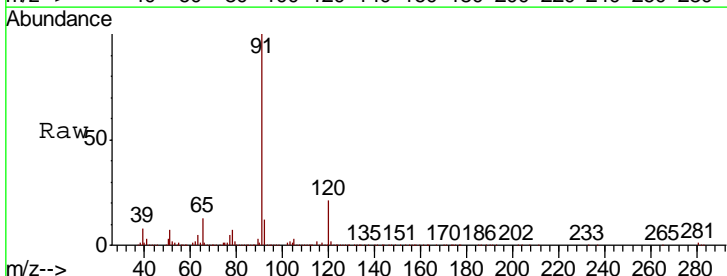
Tgt Ion	Resp	Lower	Upper
156	72673		
77	135.3	75.2	225.6
158	93.2	49.1	147.3

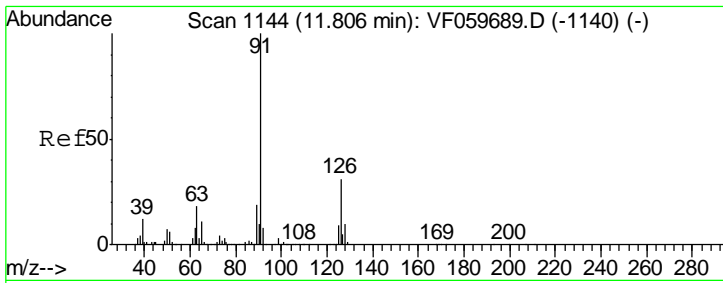
Manual Integrations  
**APPROVED**  
 apatel  
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#78  
 n-propylbenzene  
 Concen: 23.43 ug/l  
 RT: 11.68 min Scan# 1131  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
91	301364		
120	21.5	11.0	33.0



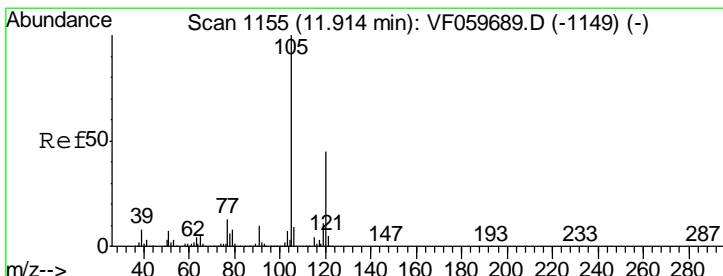
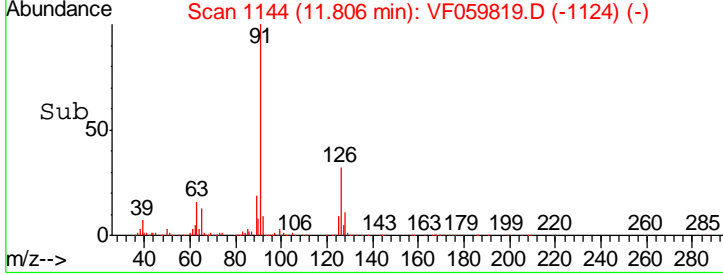
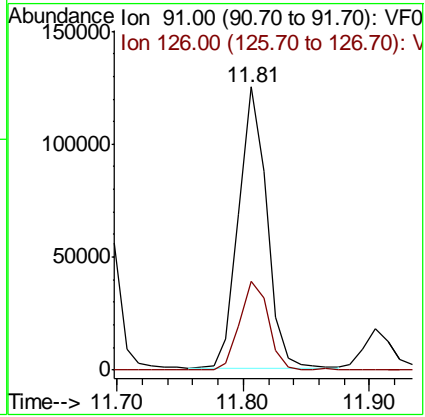
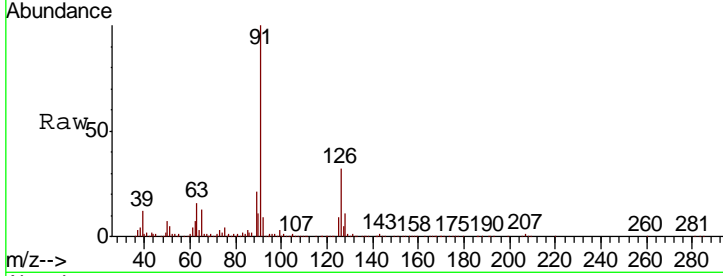


#79  
 2-Chlorotoluene  
 Concen: 24.14 ug/l  
 RT: 11.81 min Scan# 1144  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

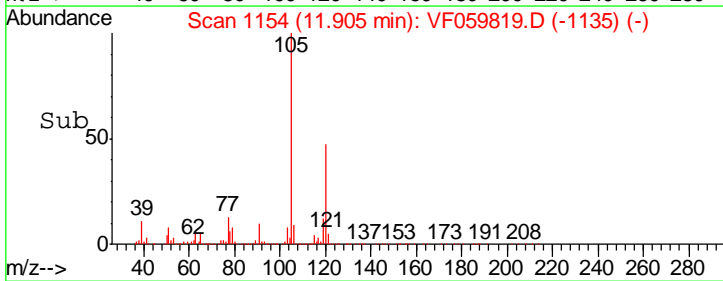
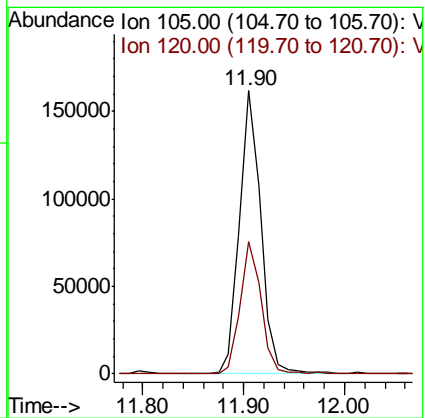
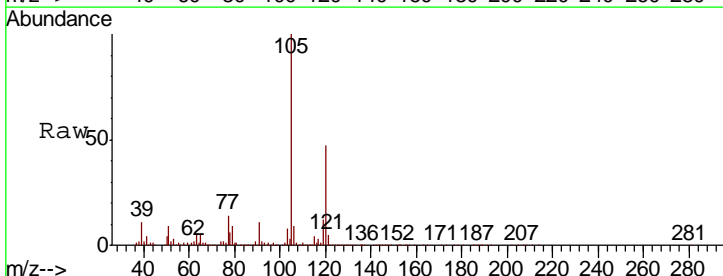
Tgt Ion	Resp	Lower	Upper
91	192002		
126	31.5	15.4	46.2

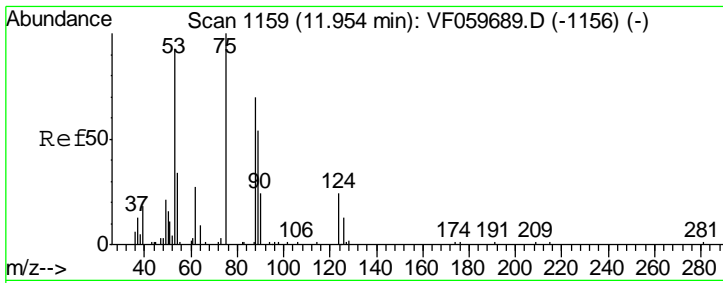
Manual Integrations  
**APPROVED**  
 apatel  
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#80  
 1,3,5-Trimethylbenzene  
 Concen: 24.08 ug/l  
 RT: 11.90 min Scan# 1154  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
105	237776		
120	46.9	22.7	68.0





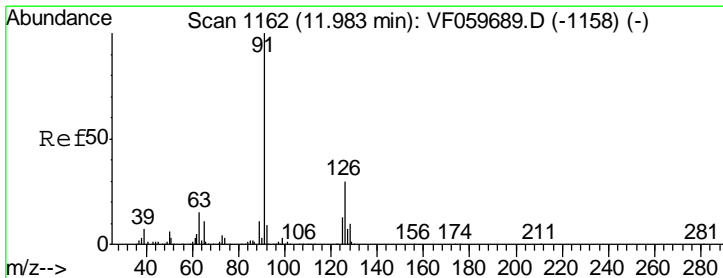
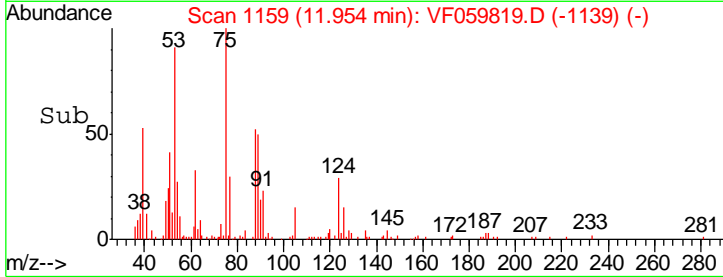
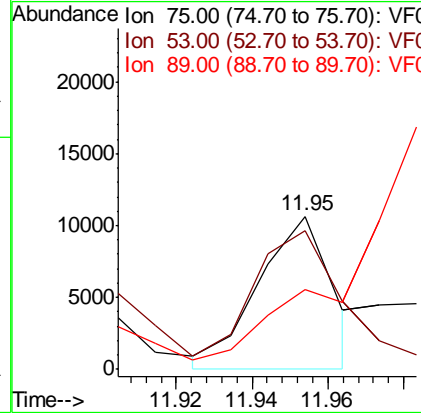
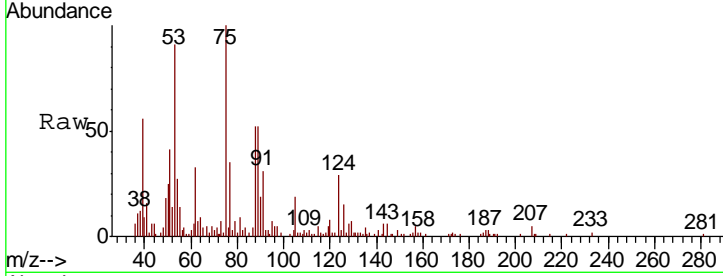
#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 19.36 ug/l m  
 RT: 11.95 min Scan# 1159  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
75	14461		
75	100		
53	90.8	78.3	117.5
89	52.3	45.4	68.2

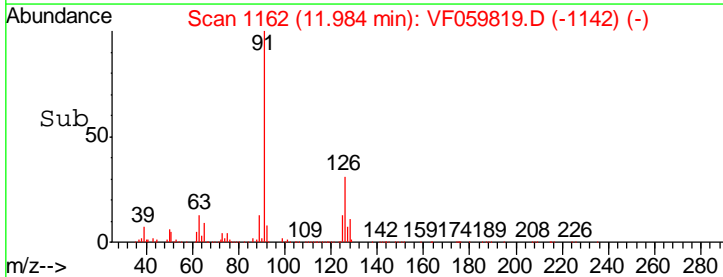
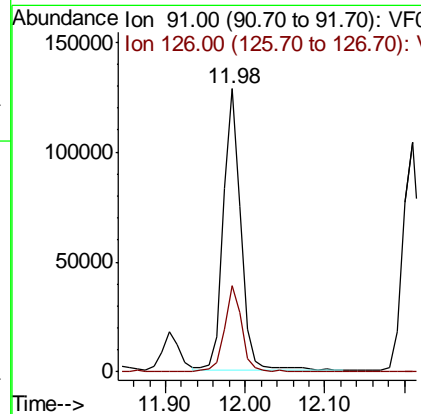
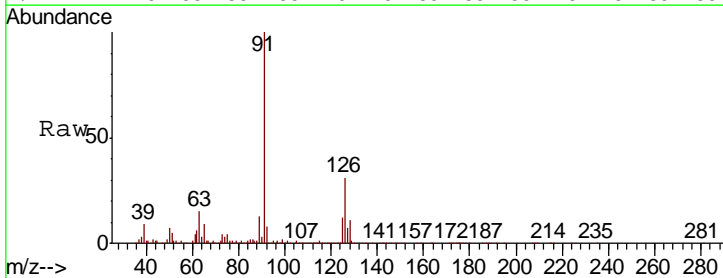
Manual Integrations  
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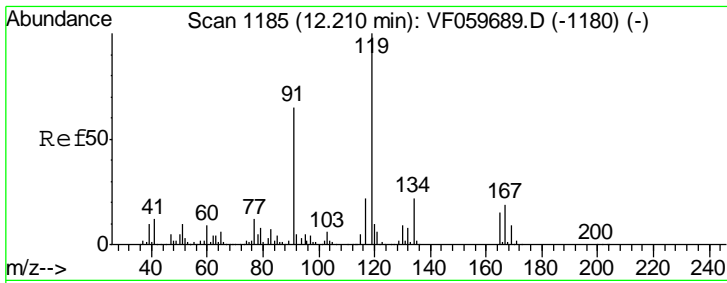
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#82  
 4-Chlorotoluene  
 Concen: 23.69 ug/l  
 RT: 11.98 min Scan# 1162  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
91	200353		
91	100		
126	30.6	15.2	45.6





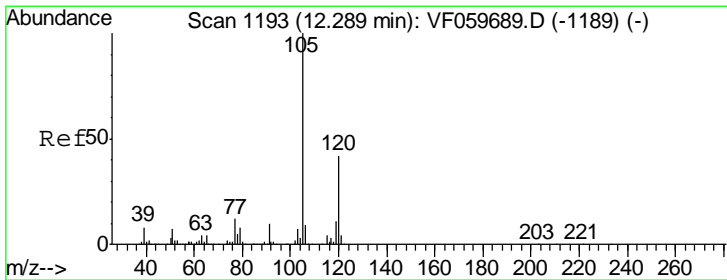
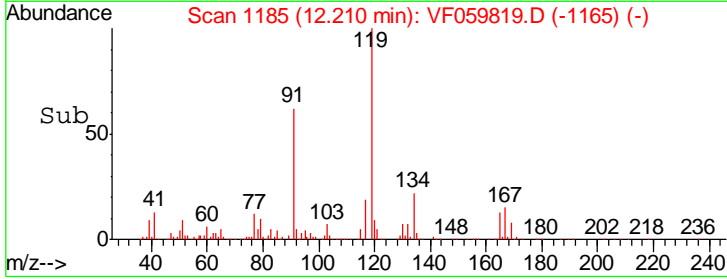
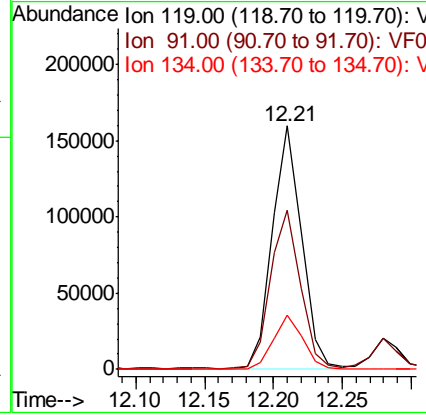
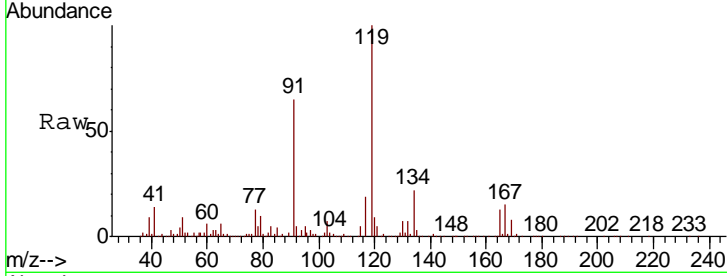
#83  
 tert-Butylbenzene  
 Concen: 23.38 ug/l  
 RT: 12.21 min Scan# 1185  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
119	236474		
91	65.3	32.8	98.4
134	22.2	10.9	32.7

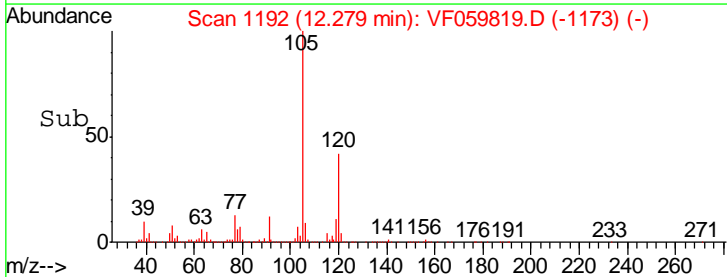
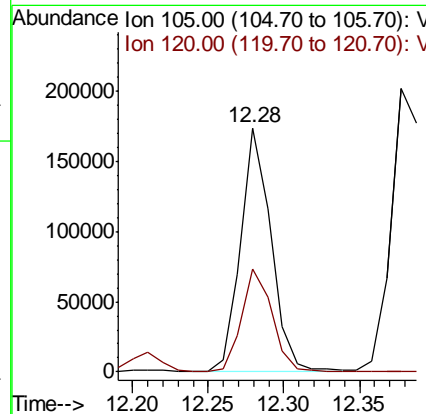
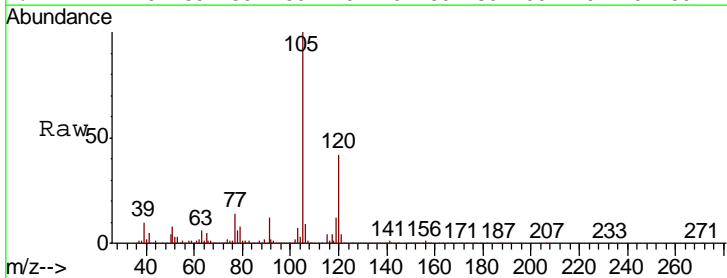
Manual Integrations  
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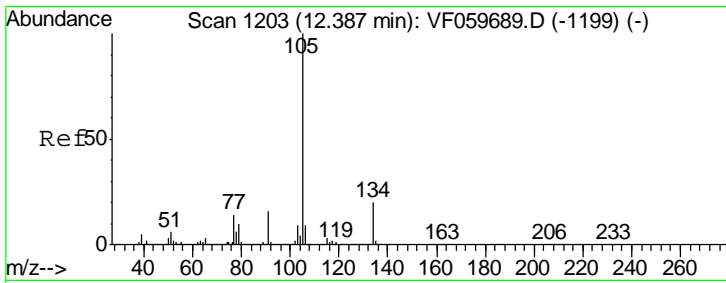
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 24.37 ug/l  
 RT: 12.28 min Scan# 1192  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
105	242119		
120	42.1	21.1	63.3





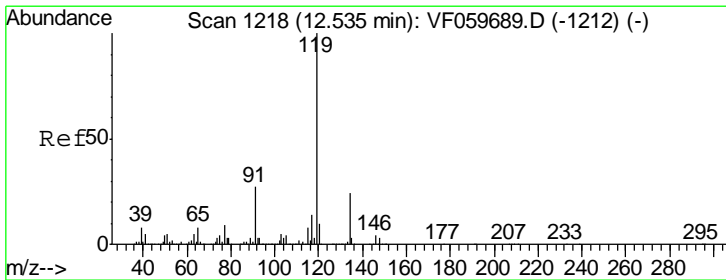
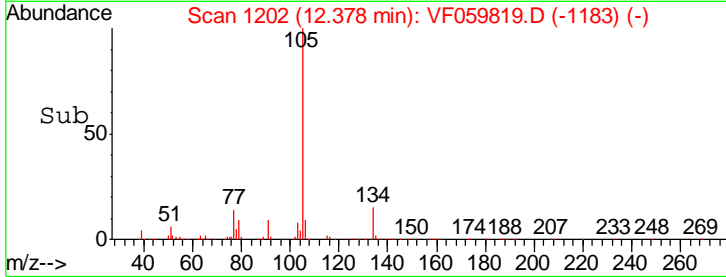
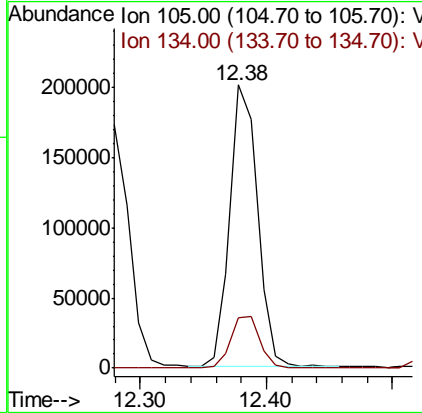
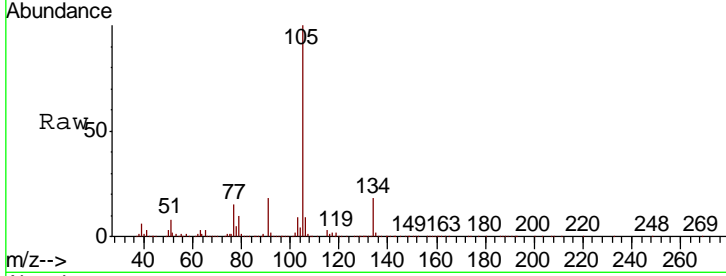
#85  
 sec-Butylbenzene  
 Concen: 23.82 ug/l  
 RT: 12.38 min Scan# 1202  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
105	100		
134	17.6	9.8	29.3

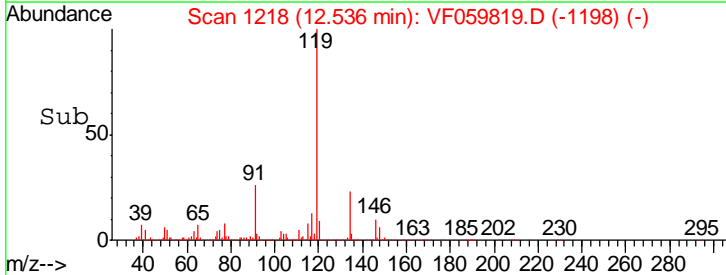
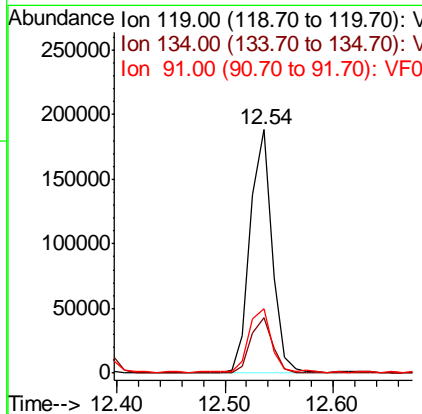
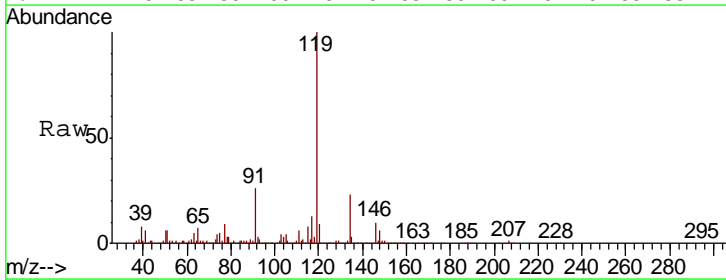
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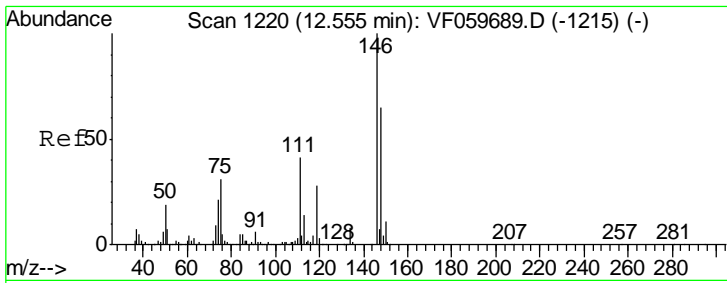
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#86  
 p-Isopropyltoluene  
 Concen: 23.60 ug/l  
 RT: 12.54 min Scan# 1218  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
119	100		
134	22.9	12.2	36.6
91	26.3	13.4	40.2





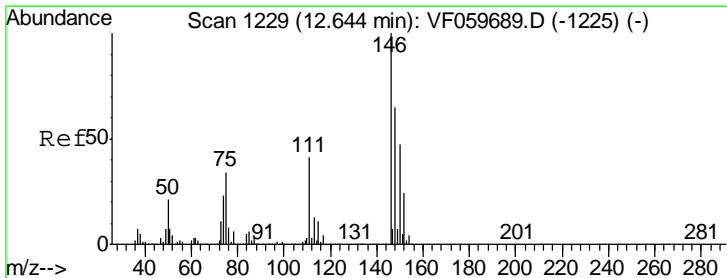
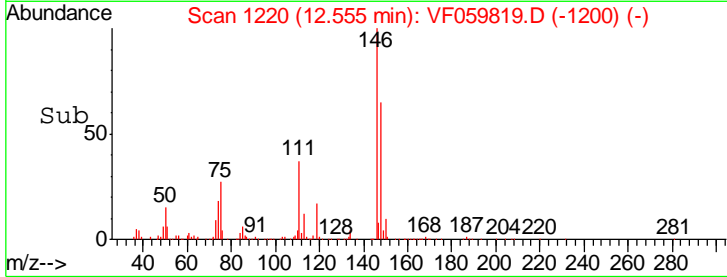
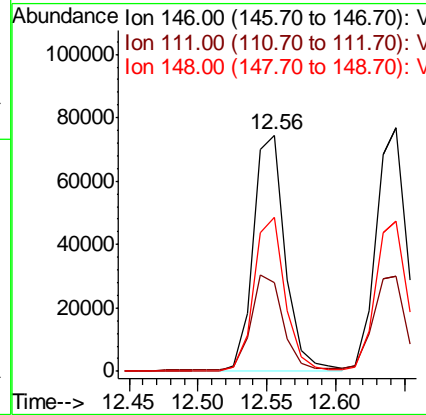
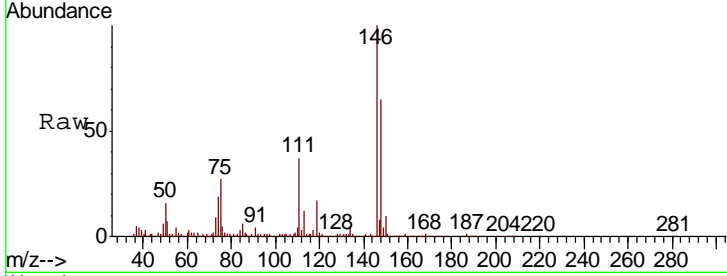
#87  
 1,3-Dichlorobenzene  
 Concen: 21.99 ug/l  
 RT: 12.56 min Scan# 1220  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
146	100		
111	37.5	20.7	62.1
148	65.2	32.3	96.8

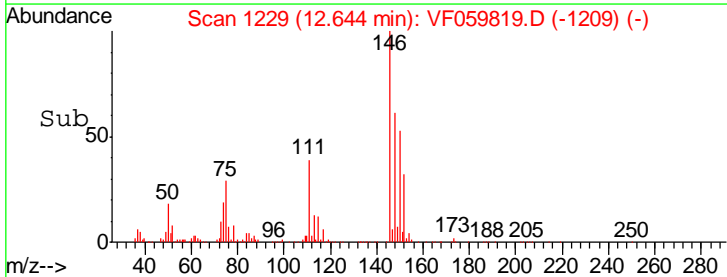
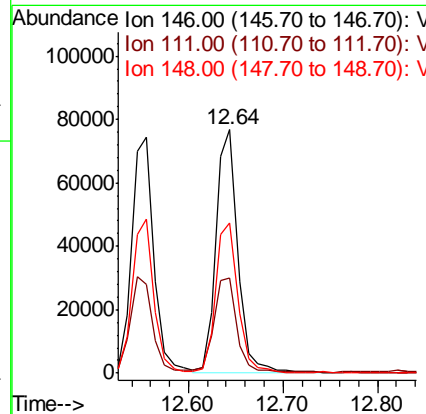
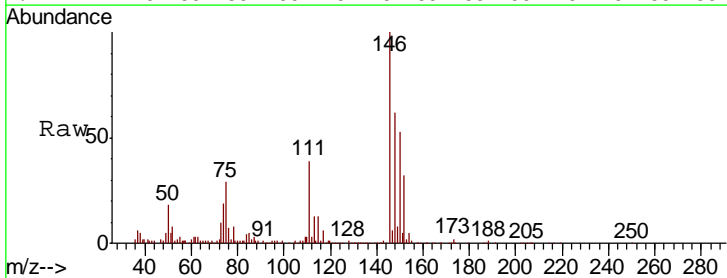
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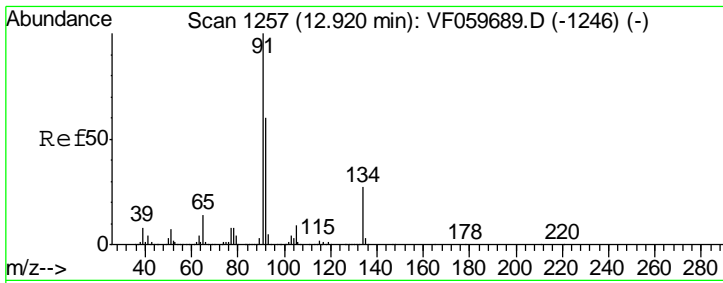


#88  
 1,4-Dichlorobenzene  
 Concen: 23.15 ug/l  
 RT: 12.64 min Scan# 1229  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.2	20.8	62.2
148	61.5	32.3	96.9







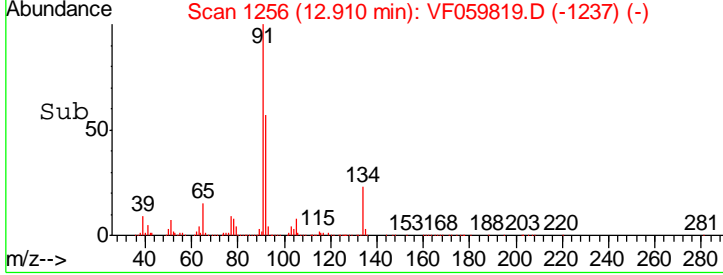
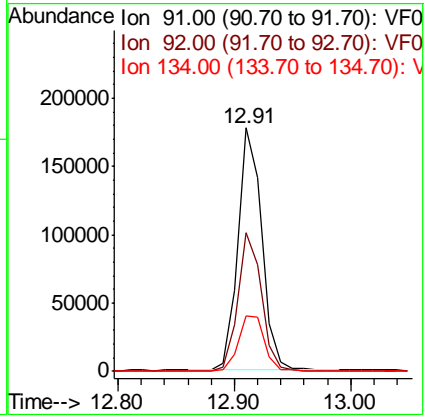
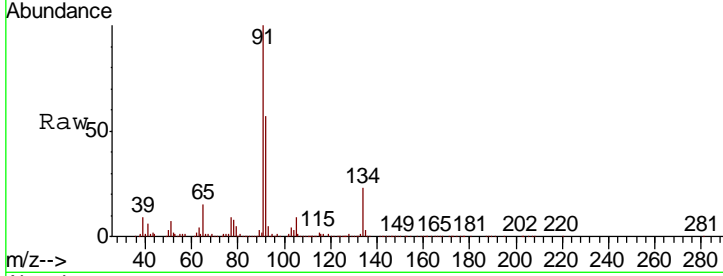
#89  
 n-Butylbenzene  
 Concen: 23.33 ug/l  
 RT: 12.91 min Scan# 1256  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 Client Sampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
91	100		
92	57.0	30.1	90.3
134	22.7	13.7	41.0

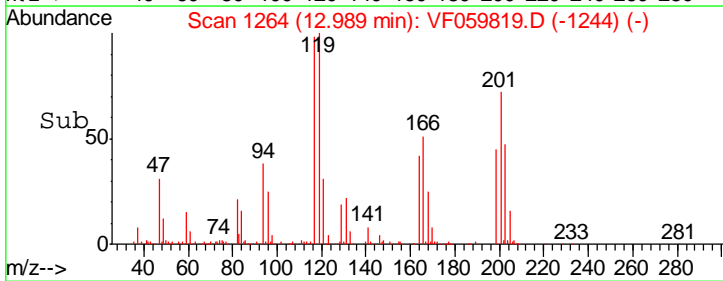
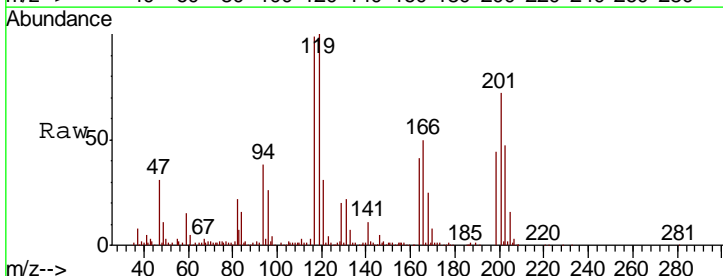
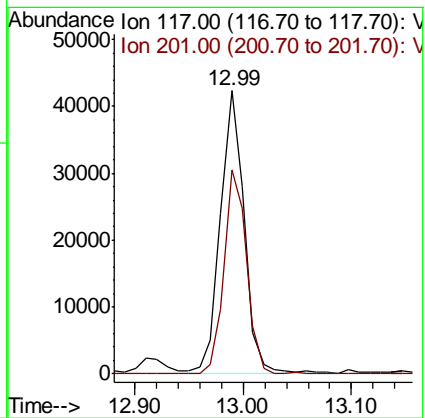
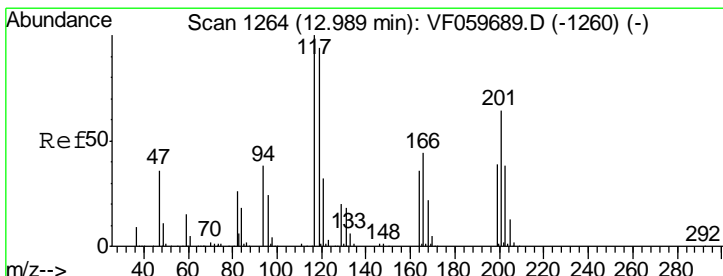
Manual Integrations  
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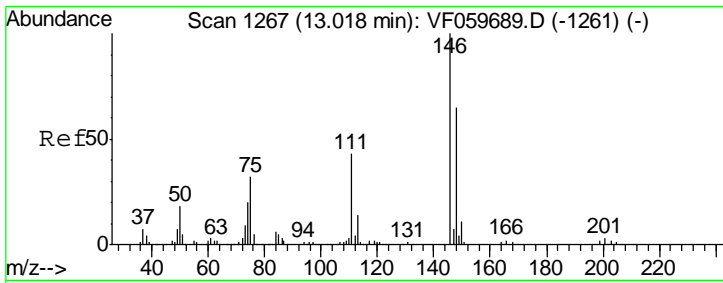
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#90  
 Hexachloroethane  
 Concen: 22.53 ug/l  
 RT: 12.99 min Scan# 1264  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
117	100		
201	72.1	31.9	95.5





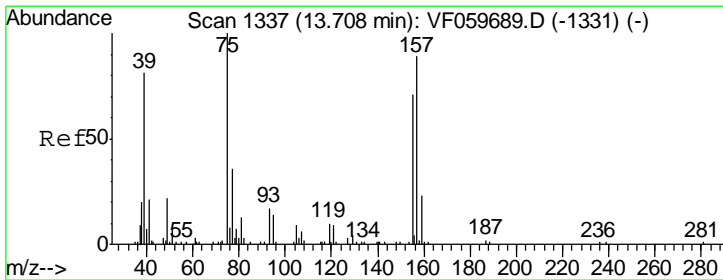
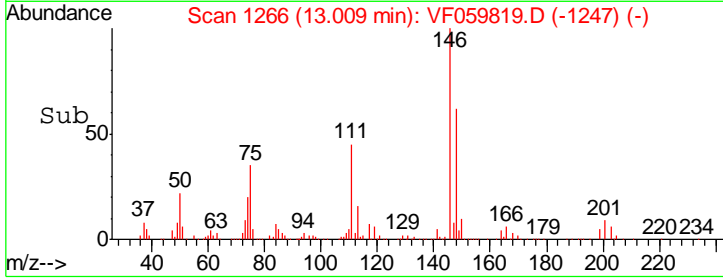
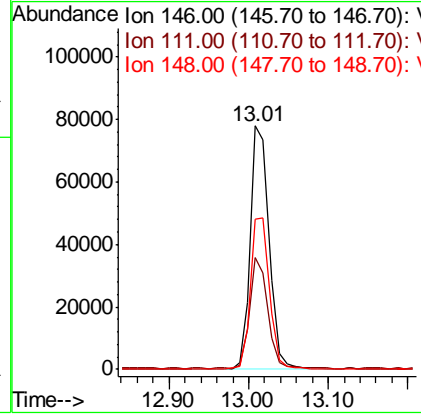
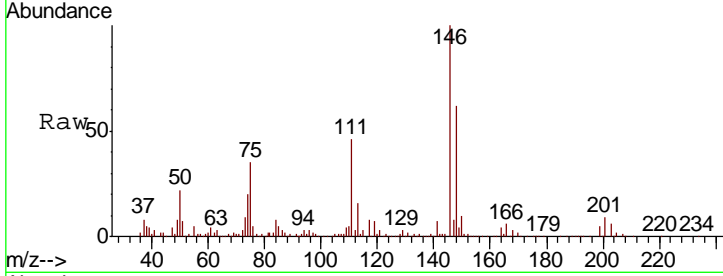
#91  
 1,2-Dichlorobenzene  
 Concen: 24.65 ug/l  
 RT: 13.01 min Scan# 1266  
 Delta R.T. -0.01 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
146	100		
111	45.9	21.6	65.0
148	61.9	32.3	96.9

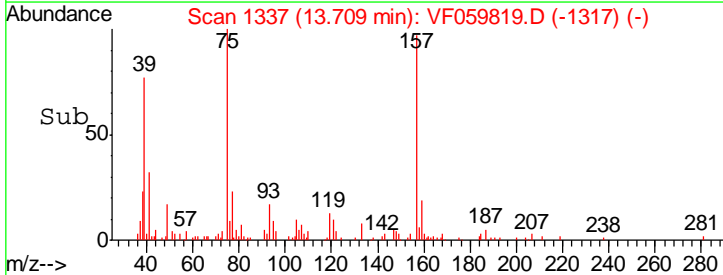
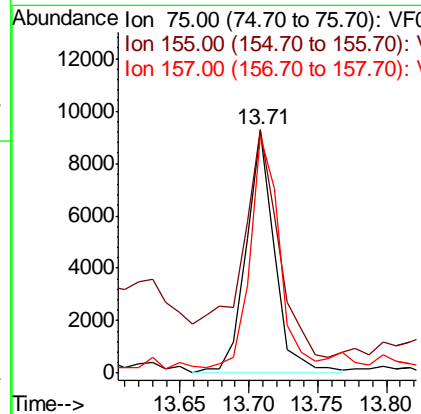
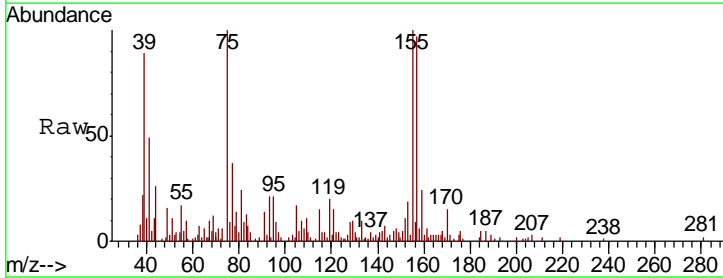
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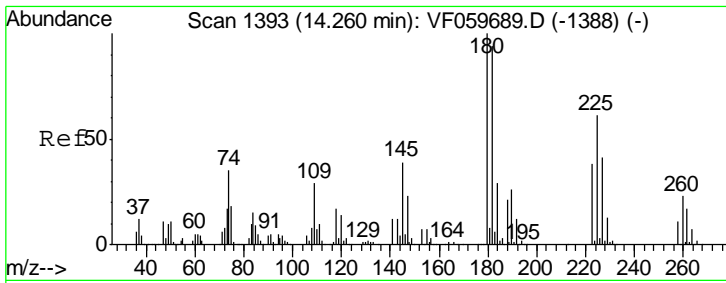
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 25.64 ug/l  
 RT: 13.71 min Scan# 1337  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
75	100		
155	100.3	35.4	106.2
157	97.6	44.4	133.2





#93  
 1,2,4-Trichlorobenzene  
 Concen: 22.22 ug/l  
 RT: 14.26 min Scan# 1393  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

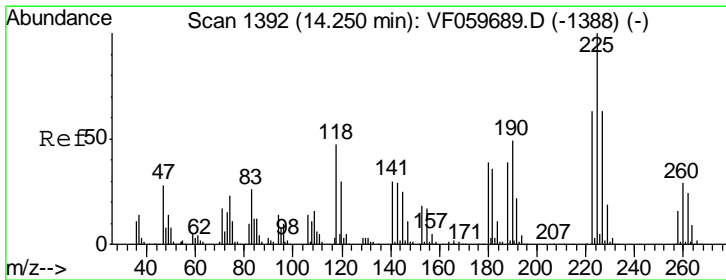
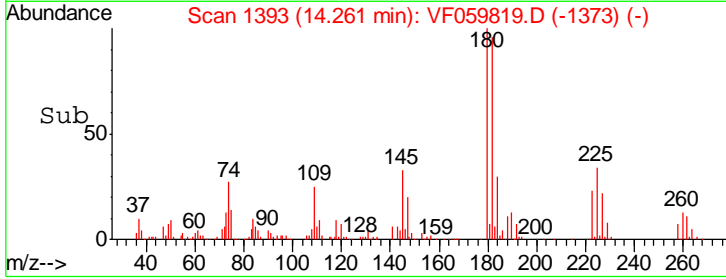
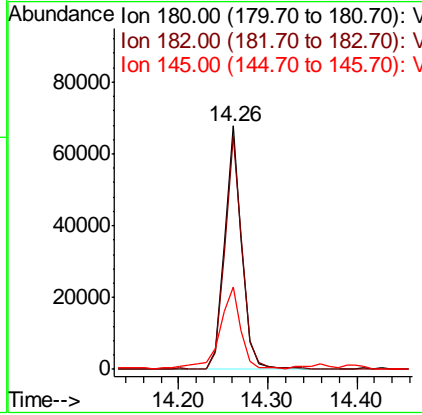
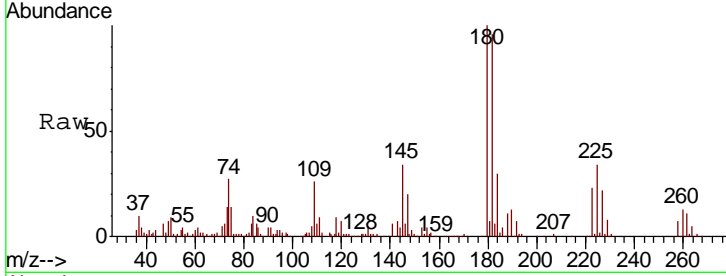
Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion:180 Resp: 93060

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.2	141.6
145	33.6	19.3	57.9

Manual Integrations  
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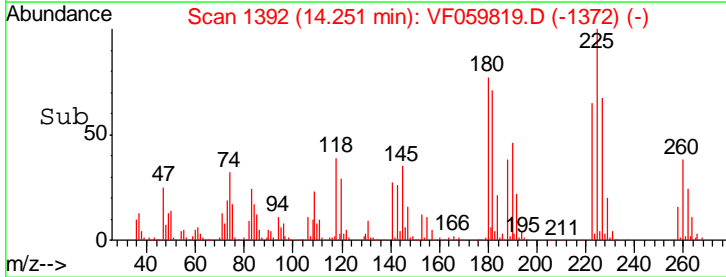
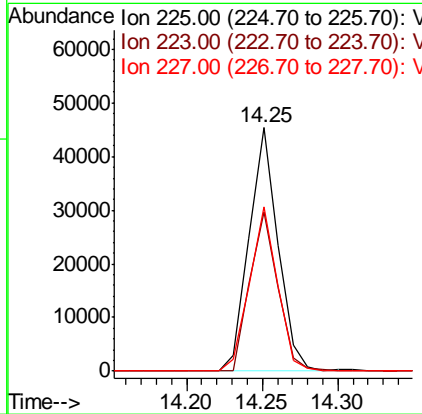
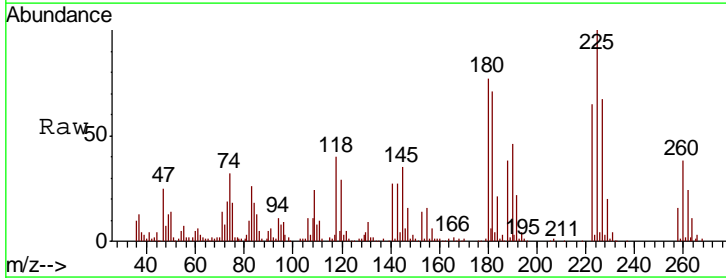
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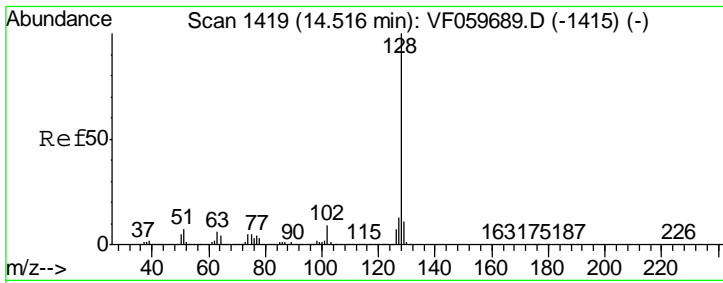


#94  
 Hexachlorobutadiene  
 Concen: 21.53 ug/l  
 RT: 14.25 min Scan# 1392  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion:225 Resp: 60641

Ion	Ratio	Lower	Upper
225	100		
223	65.5	31.4	94.2
227	67.3	31.5	94.5





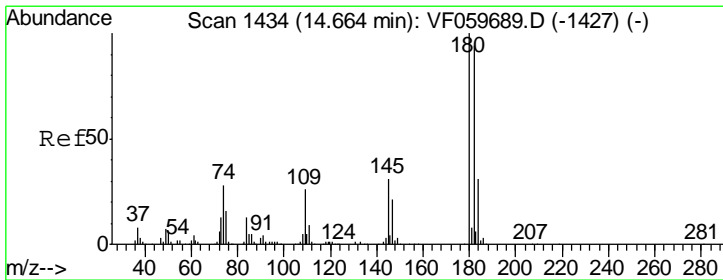
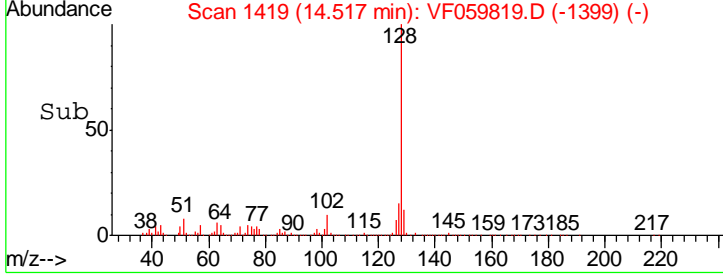
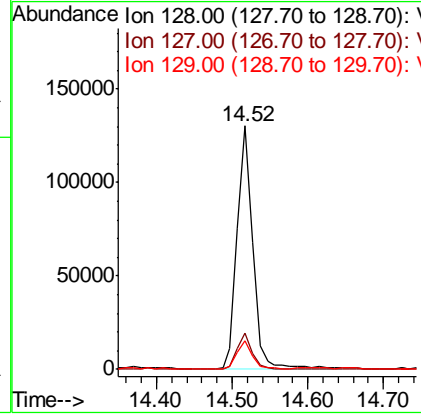
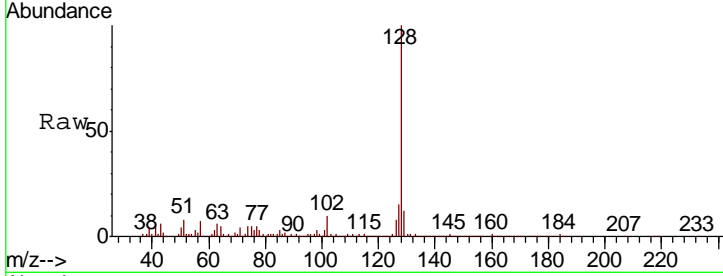
#95  
 Naphthalene  
 Concen: 25.07 ug/l  
 RT: 14.52 min Scan# 1419  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Instrument : MSVOA\_F  
 ClientSampled : VF0802SBSD01

Tgt Ion	Resp	Lower	Upper
128	185624		
127	14.7	10.0	15.0
129	11.9	8.6	13.0

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#96  
 1,2,3-Trichlorobenzene  
 Concen: 22.08 ug/l  
 RT: 14.66 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VF059819.D  
 Acq: 2 Aug 2018 23:48

Tgt Ion	Resp	Lower	Upper
180	90350		
182	100.7	47.2	141.6
145	29.4	15.6	46.7

