

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080618\  
 Data File : VW004481.D  
 Acq On : 06 Aug 2018 20:27  
 Operator : SY/AP  
 Sample : VSTDIC100  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_W  
**Client Sampled :**  
 VSTDIC100

**Manual Integrations**  
**APPROVED**  
 apatel  
 8/7/2018 4:49:12 PM

Quant Time: Aug 07 08:15:23 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W080618S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 07:40:37 2018  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	788984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1242635	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1148242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	593936	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	845413	105.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		210.08%
35) Dibromofluoromethane	7.88	113	801484	101.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		202.34%
50) Toluene-d8	10.33	98	3116458	100.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		200.30%
62) 4-Bromofluorobenzene	12.62	95	1148879	103.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		207.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	505009	157.94	ug/l	99
3) Chloromethane	2.22	50	767994	152.23	ug/l	100
4) Vinyl Chloride	2.37	62	988489	121.05	ug/l	99
5) Bromomethane	2.78	94	593746	113.03	ug/l	98
6) Chloroethane	2.92	64	620339	121.58	ug/l	99
7) Trichlorofluoromethane	3.25	101	402428	89.32	ug/l	98
8) Diethyl Ether	3.67	74	479862	113.04	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	826180	103.00	ug/l	99
10) Methyl Iodide	4.26	142	1269457	106.28	ug/l	100
11) Tert butyl alcohol	5.21	59	258839	447.47	ug/l	98
12) 1,1-Dichloroethene	4.04	96	841158	105.46	ug/l	97
13) Acrolein	3.89	56	306834	575.53	ug/l	100
14) Allyl chloride	4.66	41	1340591	106.10	ug/l	99
15) Acrylonitrile	5.37	53	1102582	595.89	ug/l	99
16) Acetone	4.14	43	1007803	548.61	ug/l	99
17) Carbon Disulfide	4.37	76	2709349	109.79	ug/l	99
18) Methyl Acetate	4.67	43	540712	112.59	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	1237013	90.20	ug/l	97
20) Methylene Chloride	4.91	84	952228	107.28	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	926387	108.13	ug/l	98
22) Diisopropyl ether	6.31	45	2775354	114.51	ug/l	99
23) Vinyl Acetate	6.26	43	8756162	617.29	ug/l	99
24) 1,1-Dichloroethane	6.21	63	1684260	107.54	ug/l	99
25) 2-Butanone	7.18	43	1791516	750.26	ug/l	100
26) 2,2-Dichloropropane	7.17	77	819929	92.68	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	1014096	115.65	ug/l	100
28) Bromochloromethane	7.51	49	745274	130.81	ug/l	100
29) Tetrahydrofuran	7.54	42	966171	658.04	ug/l	100
30) Chloroform	7.68	83	1622001	108.67	ug/l	99
31) Cyclohexane	7.96	56	1592609	114.58	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	1224791	101.38	ug/l	99
36) 1,1-Dichloropropene	8.09	75	1333665	106.07	ug/l	100
37) Ethyl Acetate	7.26	43	633292	121.51	ug/l	99
38) Carbon Tetrachloride	8.07	117	1179272	96.14	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1740248	113.91	ug/l	99
40) Benzene	8.32	78	3860907	108.66	ug/l	100
41) Methacrylonitrile	7.49	41	370929	124.37	ug/l	99
42) 1,2-Dichloroethane	8.40	62	1058514	104.77	ug/l	100
43) Isopropyl Acetate	8.43	43	1182210	126.32	ug/l	99
44) Trichloroethene	9.09	130	956582	100.81	ug/l	99
45) 1,2-Dichloropropane	9.37	63	983992	111.57	ug/l	98
46) Dibromomethane	9.46	93	493776	109.36	ug/l	100
47) Bromodichloromethane	9.65	83	1169649	103.47	ug/l	98
48) Methyl methacrylate	9.44	41	568686	120.28	ug/l	98
49) 1,4-Dioxane	9.47	88	162930	2374.66	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	4040562	741.48	ug/l	99
52) Toluene	10.39	92	2306459	104.13	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	1246691	110.12	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	1433845	108.55	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	700496	109.24	ug/l	98
56) Ethyl methacrylate	10.65	69	974449	125.02	ug/l	100
57) 1,3-Dichloropropane	10.94	76	1233011	112.49	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	2391143	670.30	ug/l	100
59) 2-Hexanone	10.98	43	2743886	735.76	ug/l	99
60) Dibromochloromethane	11.13	129	793089	104.18	ug/l	99
61) 1,2-Dibromoethane	11.24	107	666035	108.72	ug/l	100
64) Tetrachloroethene	10.87	164	799586	95.70	ug/l	97
65) Chlorobenzene	11.66	112	2528537	104.56	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	875058	102.48	ug/l	99
67) Ethyl Benzene	11.74	91	4519485	106.78	ug/l	98
68) m/p-Xylenes	11.85	106	3453127	212.61	ug/l	98
69) o-Xylene	12.17	106	1654459	110.16	ug/l	100
70) Styrene	12.19	104	2783607	109.28	ug/l	100
71) Bromoform	12.35	173	494173	103.51	ug/l #	99
73) Isopropylbenzene	12.47	105	4485678	108.27	ug/l	100
74) N-amyl acetate	12.28	43	1140841	125.35	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	874362	117.75	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	609907m	113.63	ug/l	
77) Bromobenzene	12.75	156	1033502	103.68	ug/l	100
78) n-propylbenzene	12.81	91	5407805	107.37	ug/l	100
79) 2-Chlorotoluene	12.90	91	3080912	106.76	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	3746167	105.02	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	286305	120.97	ug/l	97
82) 4-Chlorotoluene	12.99	91	3164600	103.06	ug/l	99
83) tert-Butylbenzene	13.21	119	3218692	108.50	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	3856884	105.77	ug/l	100
85) sec-Butylbenzene	13.39	105	4729080	109.00	ug/l	100
86) p-Isopropyltoluene	13.51	119	4123357	106.15	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	2047646	102.06	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	2016962	100.81	ug/l	100
89) n-Butylbenzene	13.83	91	4042724	110.40	ug/l	99
90) Hexachloroethane	14.10	117	742081	106.85	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	1866738	103.77	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	144871	112.69	ug/l	99

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**ClientSampleId :**  
 VSTDICC100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	1333663	105.72	ug/l	100
94) Hexachlorobutadiene	15.25	225	747207	97.44	ug/l	100
95) Naphthalene	15.38	128	2727306	123.39	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	1197074	107.68	ug/l	99

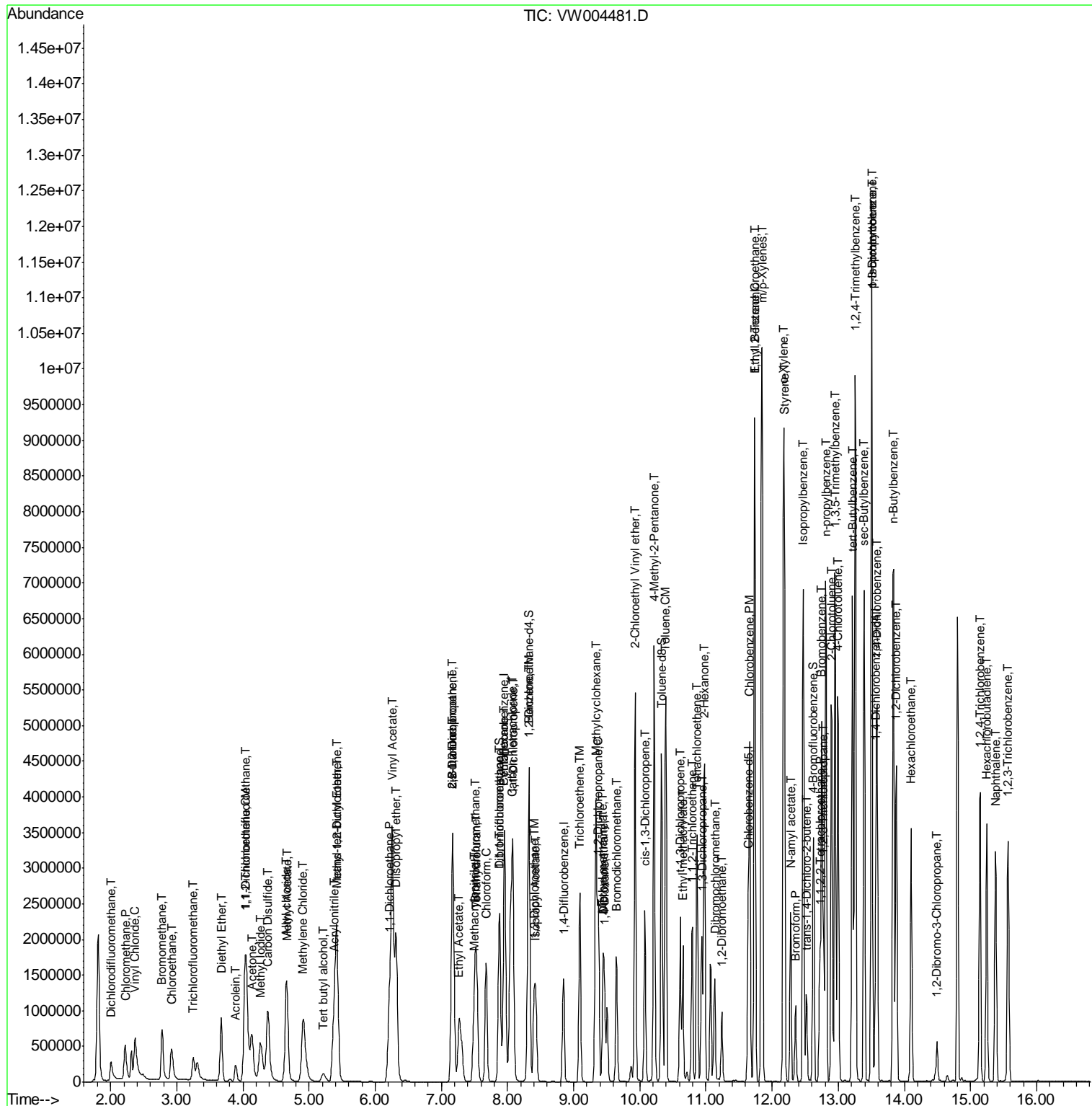
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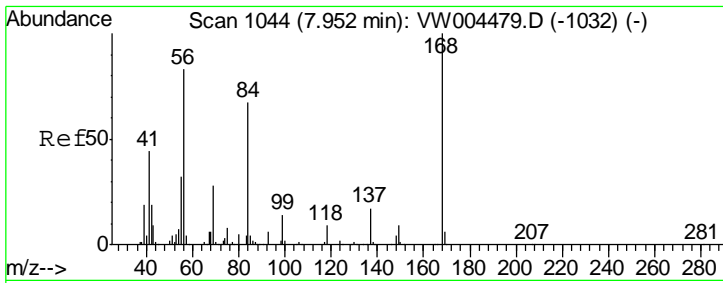
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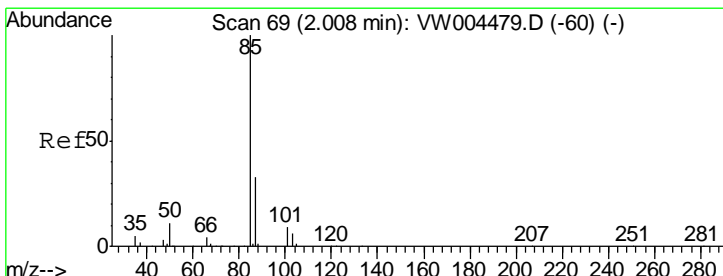
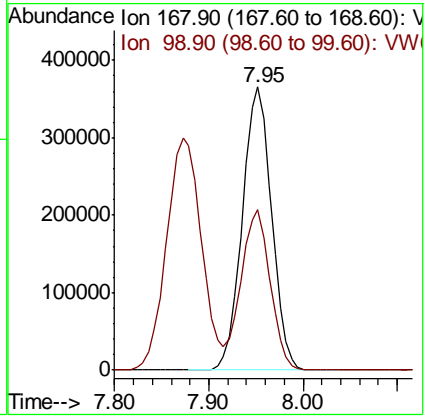
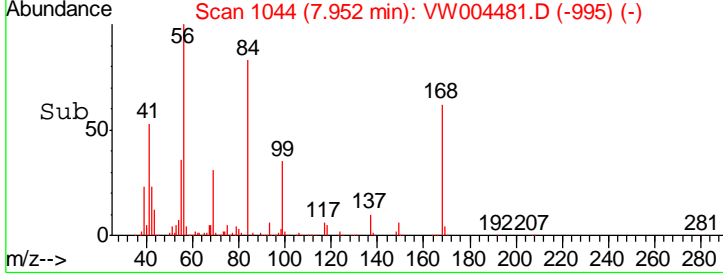
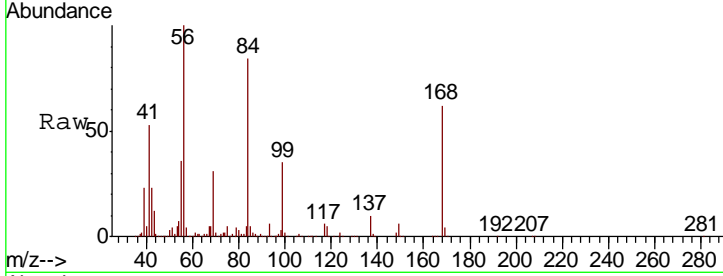


#1  
 Pentafluorobenzene  
 Concen: 50.00 ug/l  
 RT: 7.95 min Scan# 1044  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
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**ClientSampled :**  
 VSTDICC100

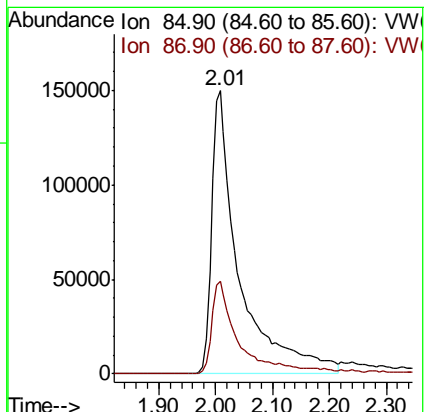
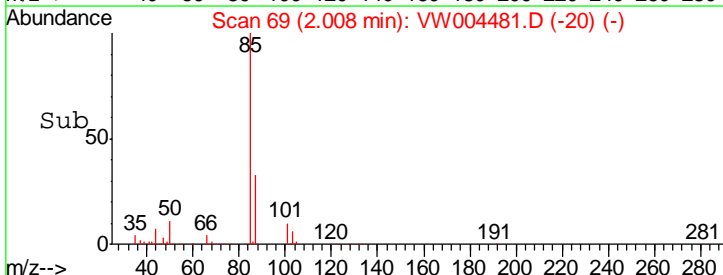
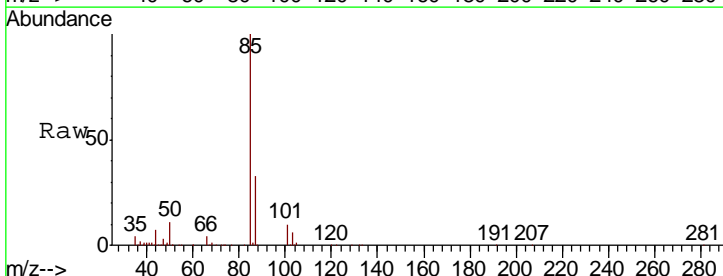
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 Ion Ratio Lower Upper  
 168 100  
 99 56.6 44.1 66.1

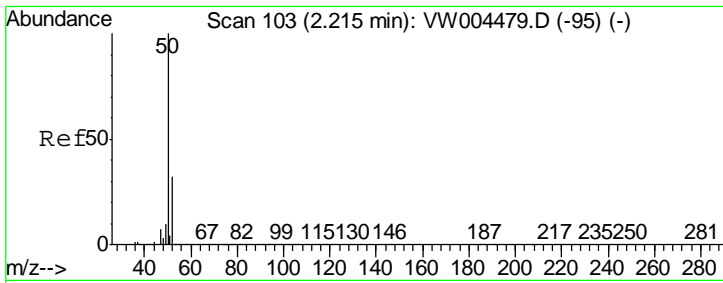
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#2  
 Dichlorodifluoromethane  
 Concen: 157.94 ug/l  
 RT: 2.01 min Scan# 69  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion: 85 Resp: 505009  
 Ion Ratio Lower Upper  
 85 100  
 87 32.6 16.7 50.0





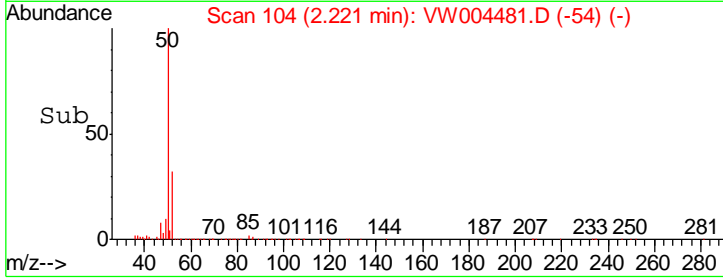
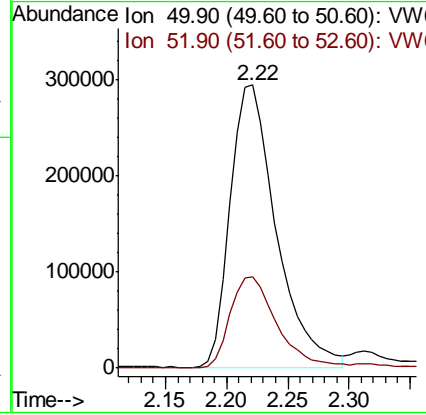
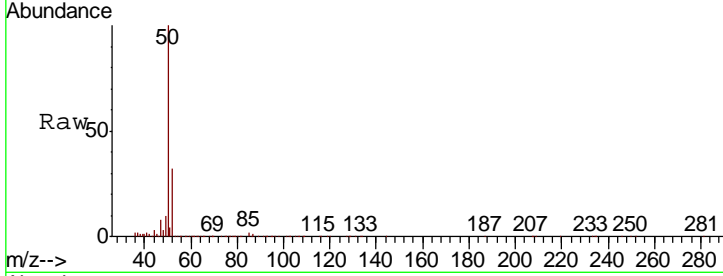
#3  
 Chloromethane  
 Concen: 152.23 ug/l  
 RT: 2.22 min Scan# 104  
 Delta R.T. 0.01 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

**Instrument :**  
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**ClientSampled :**  
 VSTDICC100

Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.3	25.8	38.8

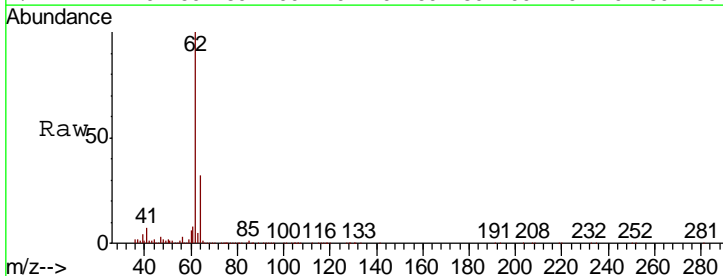
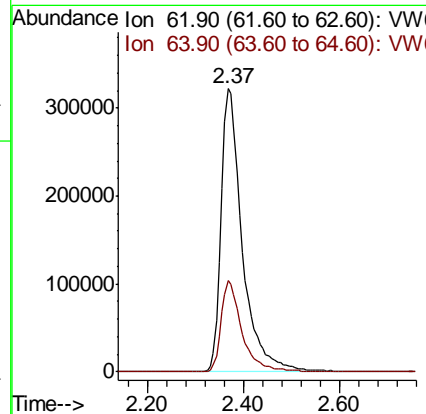
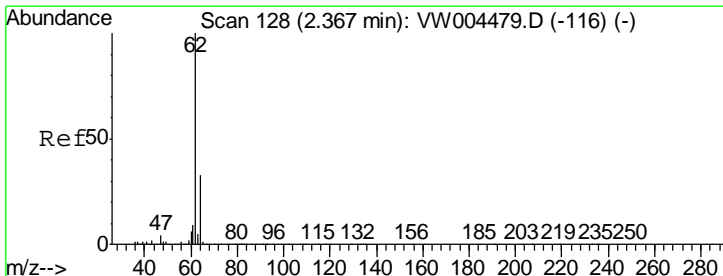
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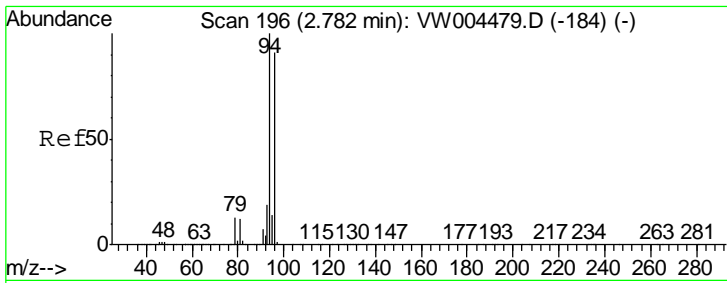
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#4  
 Vinyl Chloride  
 Concen: 121.05 ug/l  
 RT: 2.37 min Scan# 128  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.3	26.2	39.2



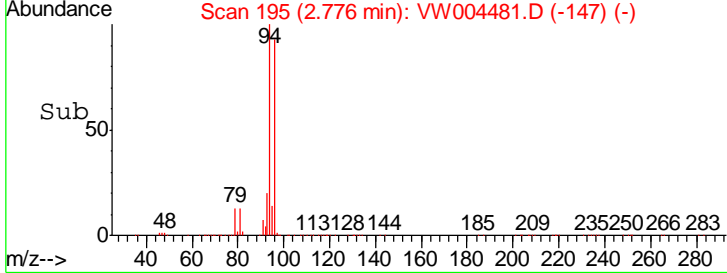
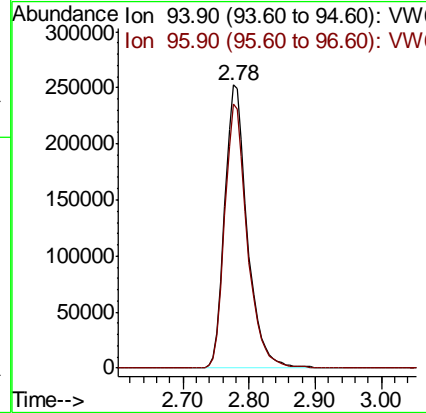
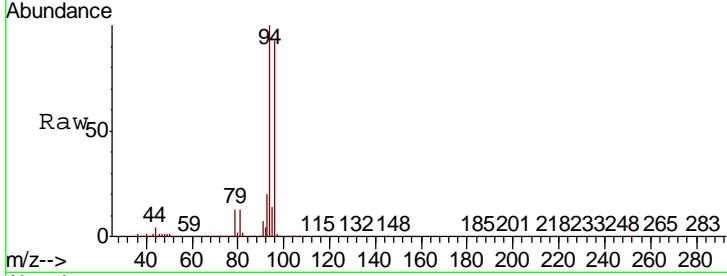


#5  
 Bromomethane  
 Concen: 113.03 ug/l  
 RT: 2.78 min Scan# 195  
 Delta R.T. -0.01 min  
 Lab File: VW004481.D  
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Tgt Ion	Resp	Lower	Upper
94	100		
96	93.4	72.9	109.3

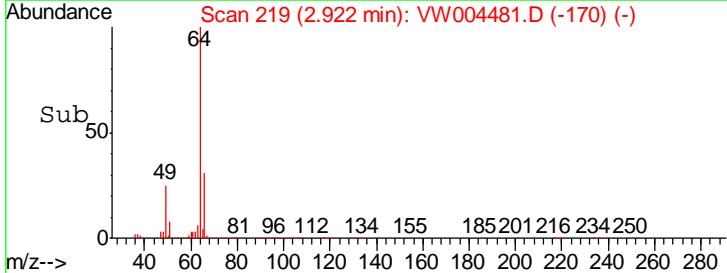
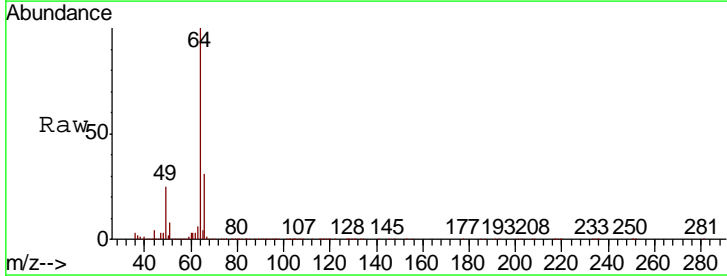
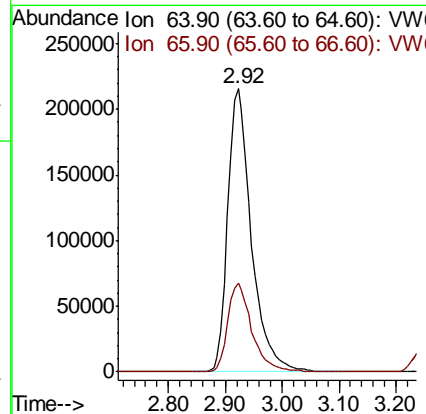
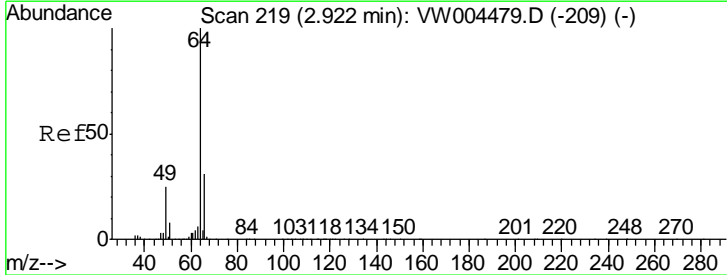
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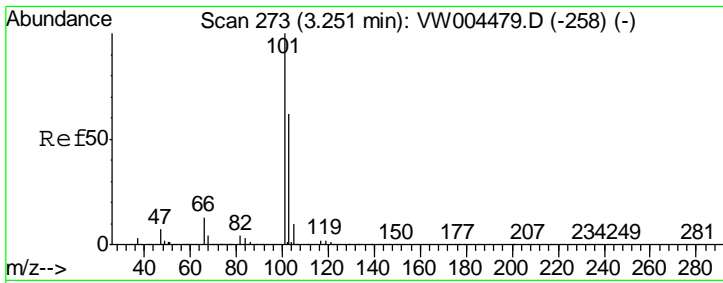
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#6  
 Chloroethane  
 Concen: 121.58 ug/l  
 RT: 2.92 min Scan# 219  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
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Tgt Ion	Resp	Lower	Upper
64	100		
66	31.0	24.6	36.8



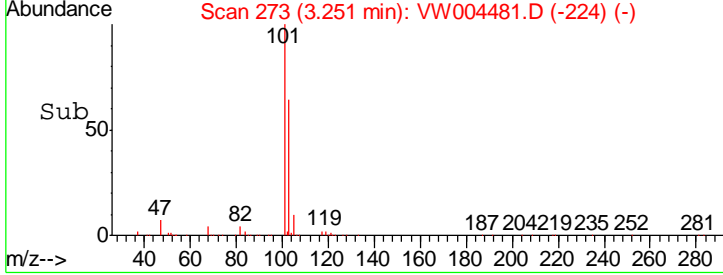
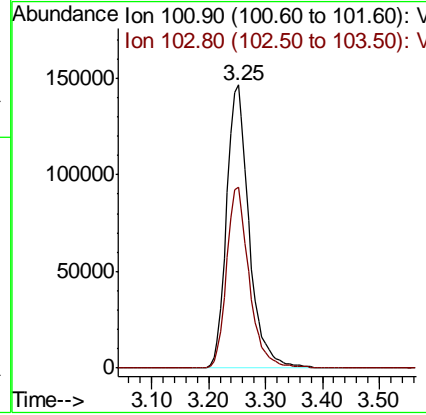
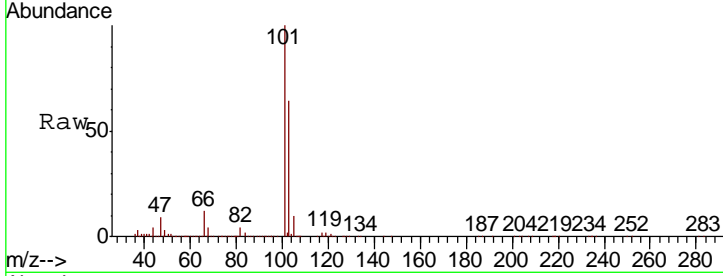


#7  
 Trichlorofluoromethane  
 Concen: 89.32 ug/l  
 RT: 3.25 min Scan# 273  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
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Tgt Ion	Resp	Lower	Upper
101	100		
103	63.6	49.8	74.8

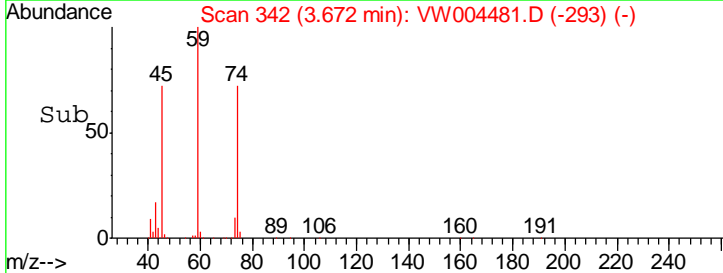
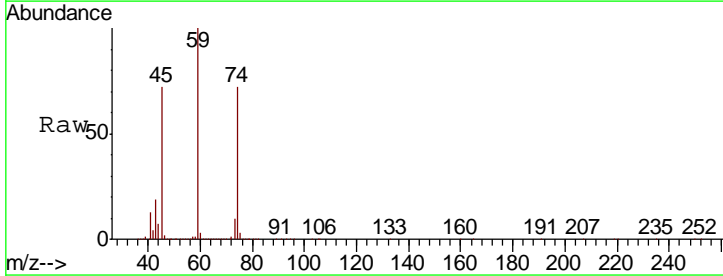
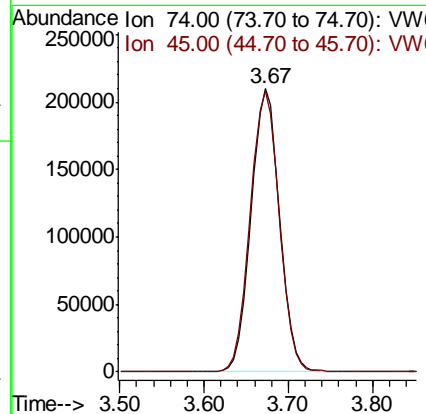
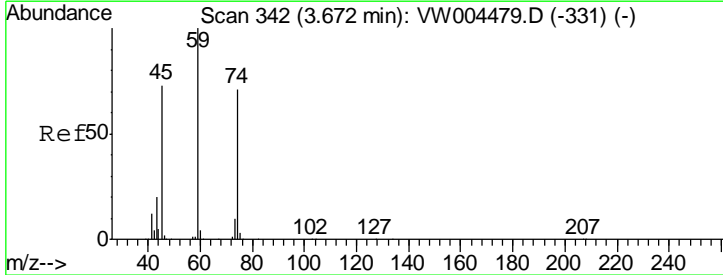
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**Client Sampled :**  
 VSTDIC100

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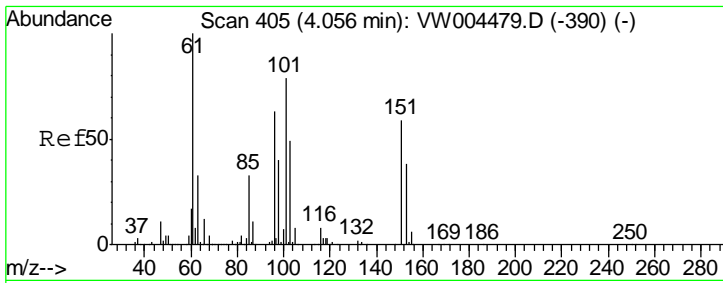


#8  
 Diethyl Ether  
 Concen: 113.04 ug/l  
 RT: 3.67 min Scan# 342  
 Delta R.T. 0.00 min  
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Tgt Ion	Resp	Lower	Upper
74	100		
45	100.7	51.2	153.8







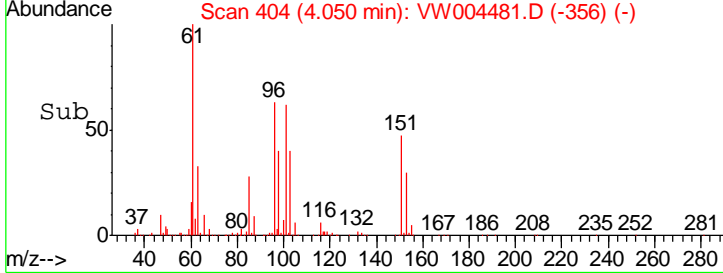
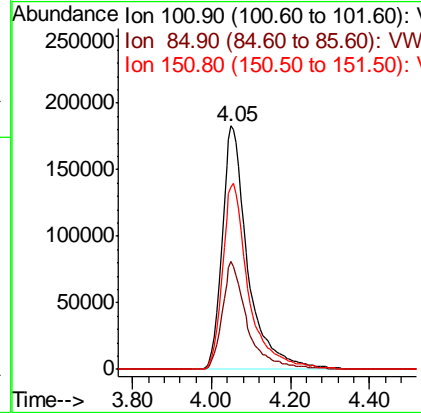
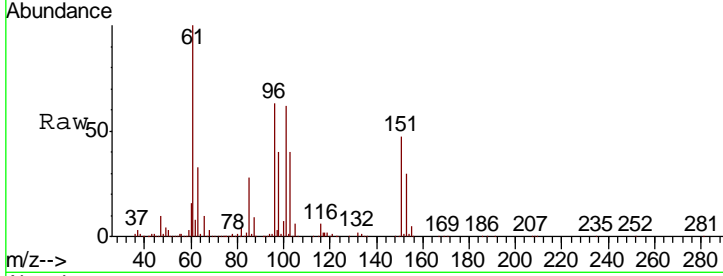
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 103.00 ug/l  
 RT: 4.05 min Scan# 404  
 Delta R.T. -0.01 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
101	826180		
101	100		
85	43.0	34.6	51.8
151	77.3	61.3	91.9

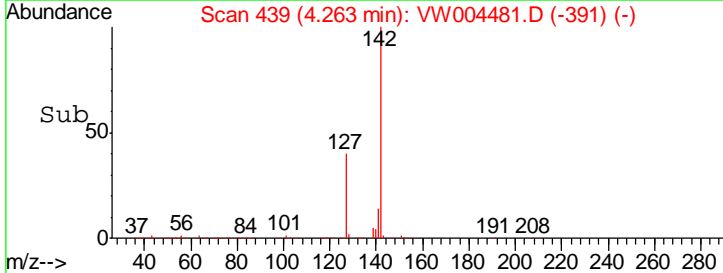
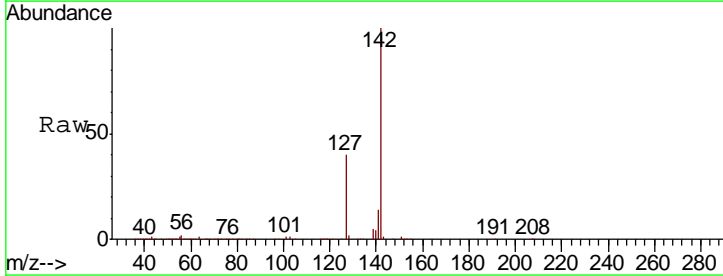
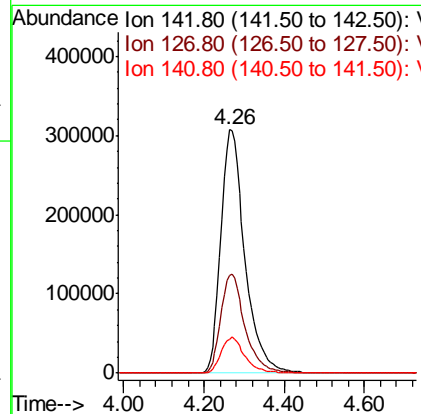
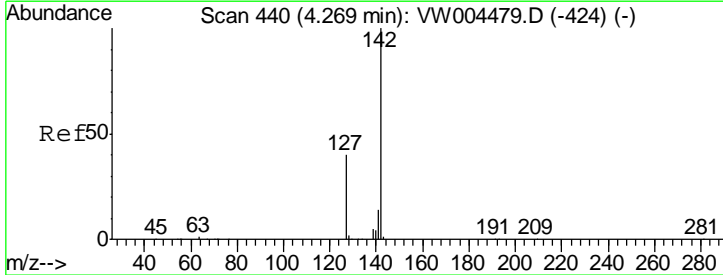
**Manual Integrations**  
**APPROVED**

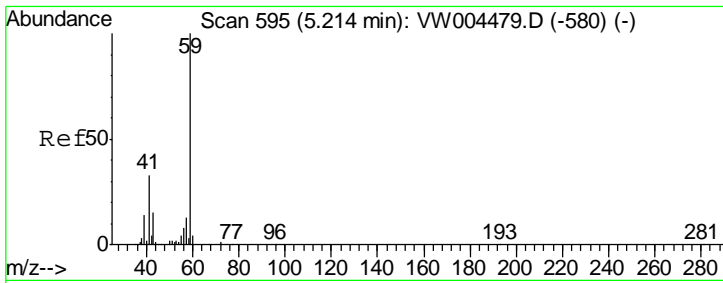
apatel  
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#10  
 Methyl Iodide  
 Concen: 106.28 ug/l  
 RT: 4.26 min Scan# 439  
 Delta R.T. -0.01 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
142	1269457		
142	100		
127	41.1	32.7	49.1
141	14.5	11.5	17.3





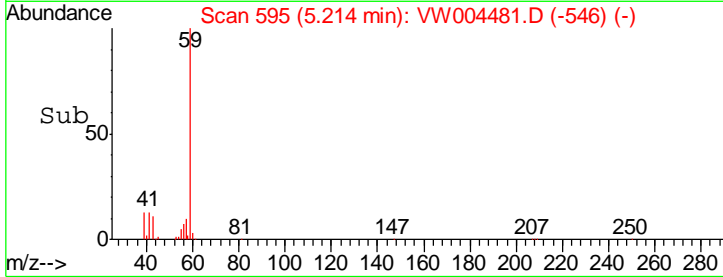
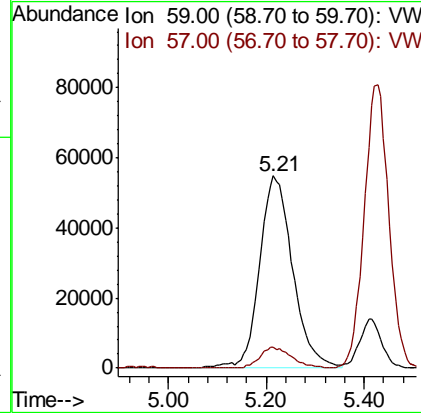
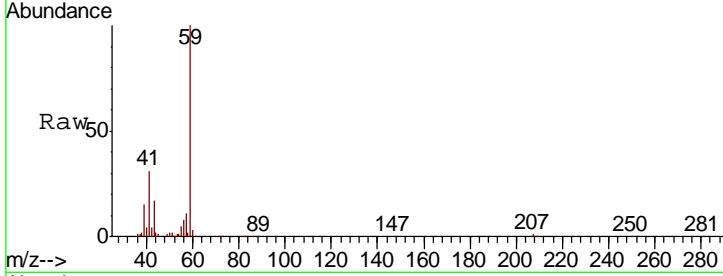
#11  
 Tert butyl alcohol  
 Concen: 447.47 ug/l  
 RT: 5.21 min Scan# 595  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.5	9.1	13.7

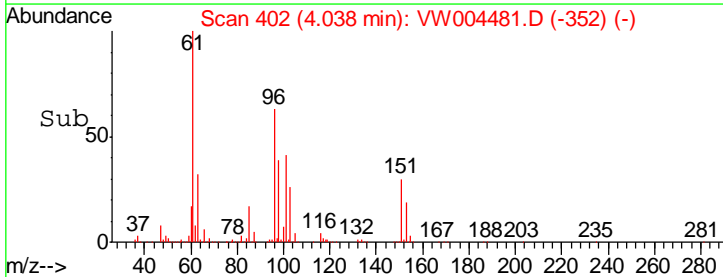
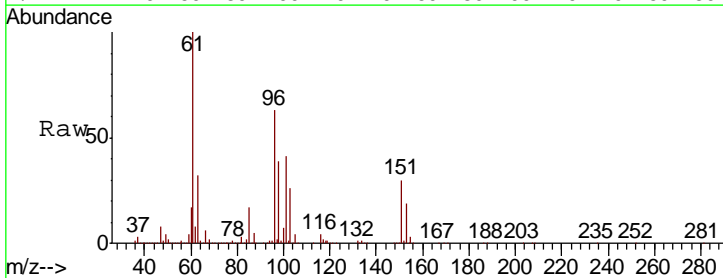
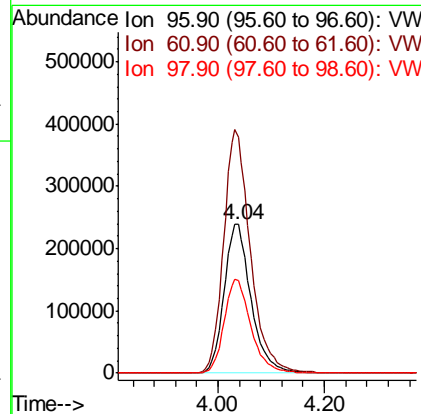
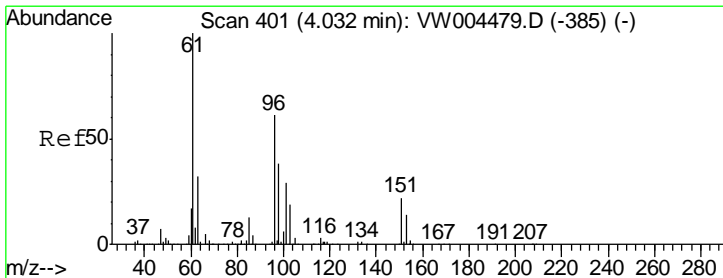
**Manual Integrations**  
**APPROVED**

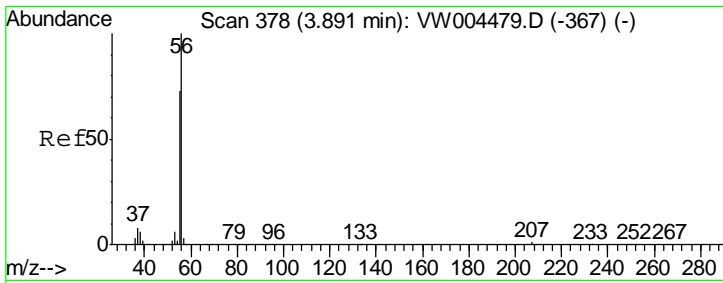
apatel  
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#12  
 1,1-Dichloroethene  
 Concen: 105.46 ug/l  
 RT: 4.04 min Scan# 402  
 Delta R.T. 0.01 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
96	100		
61	158.4	130.6	195.8
98	62.1	49.6	74.4





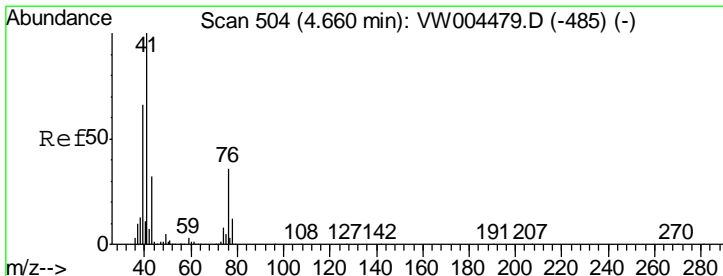
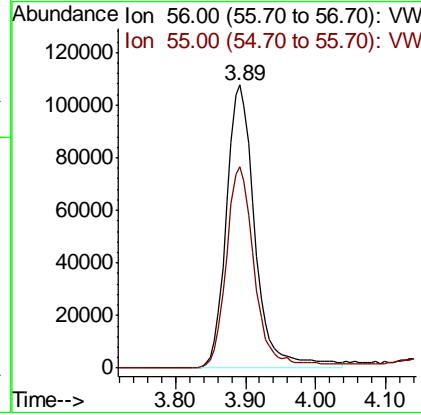
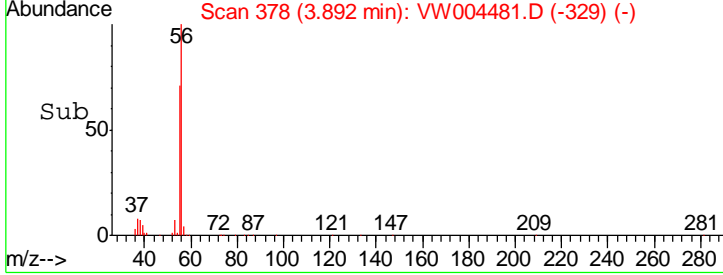
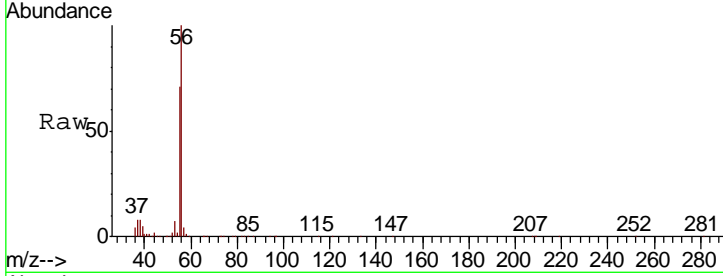
#13  
 Acrolein  
 Concen: 575.53 ug/l  
 RT: 3.89 min Scan# 378  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
56	100		
55	71.0	56.7	85.1

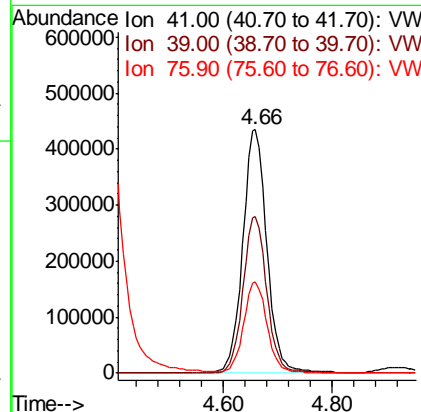
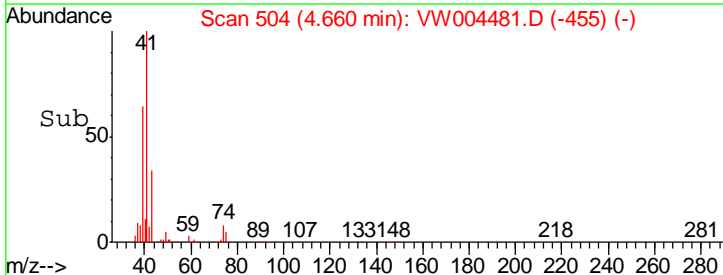
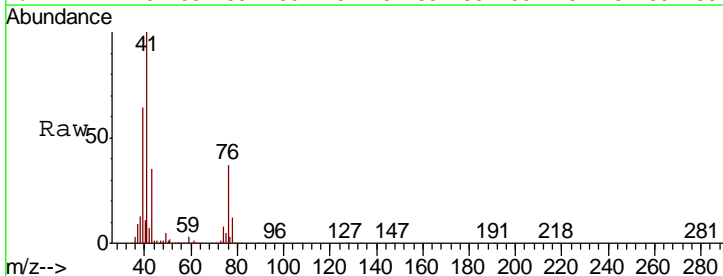
Manual Integrations  
 APPROVED

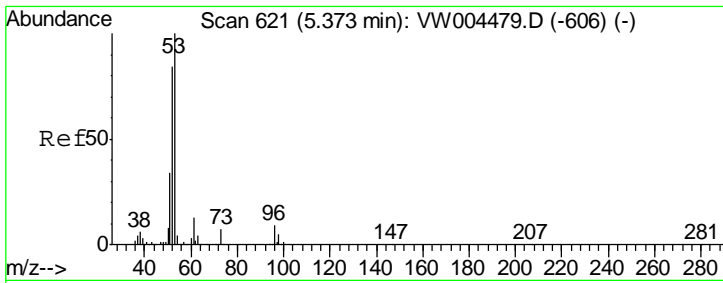
apatel  
 8/7/2018 4:49:12 PM



#14  
 Allyl chloride  
 Concen: 106.10 ug/l  
 RT: 4.66 min Scan# 504  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
41	100		
39	63.8	51.9	77.9
76	36.3	29.0	43.6



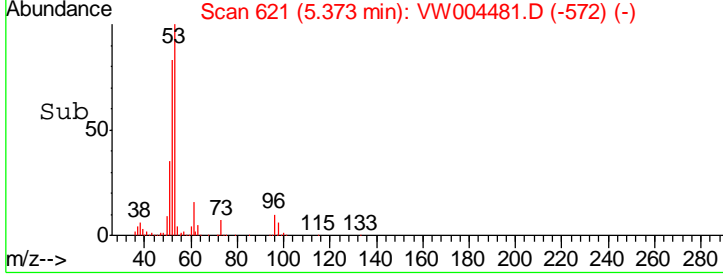
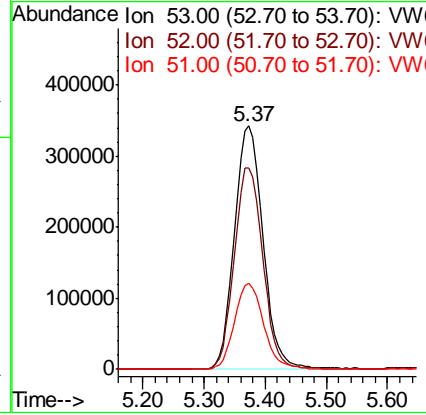
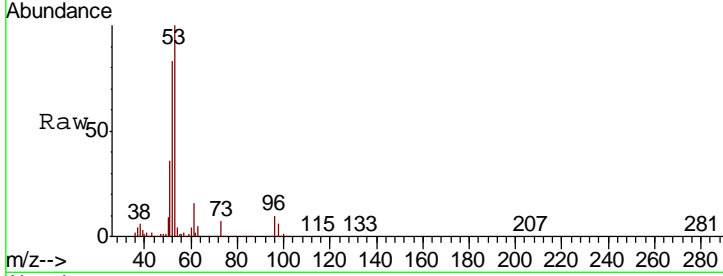


#15  
 Acrylonitrile  
 Concen: 595.89 ug/l  
 RT: 5.37 min Scan# 621  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.9	66.5	99.7
51	36.1	28.4	42.6

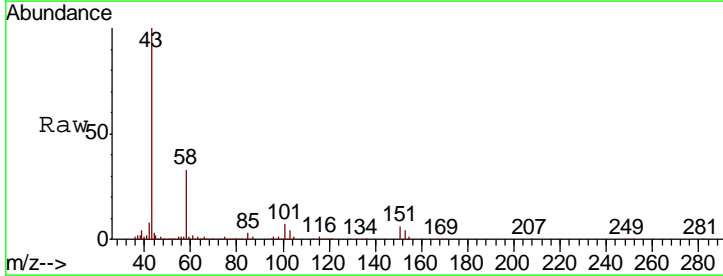
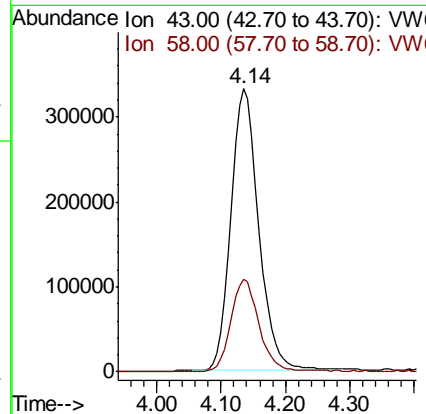
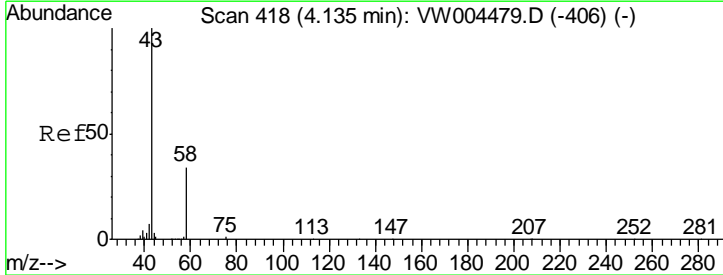
**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDICC100

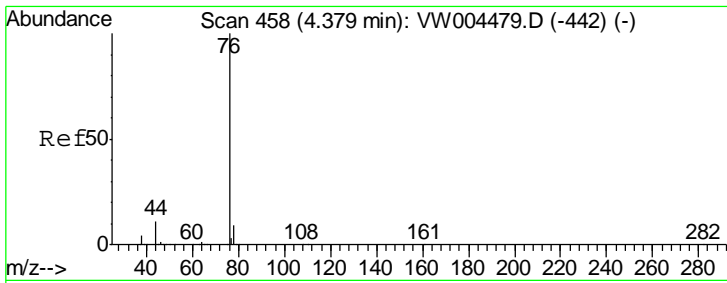
**Manual Integrations**  
**APPROVED**  
 apatel  
 8/7/2018 4:49:12 PM



#16  
 Acetone  
 Concen: 548.61 ug/l  
 RT: 4.14 min Scan# 418  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
43	100		
58	32.9	26.8	40.2





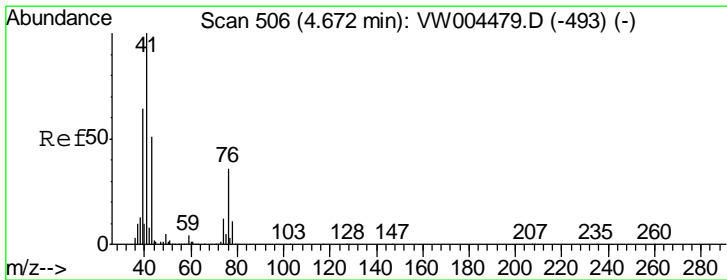
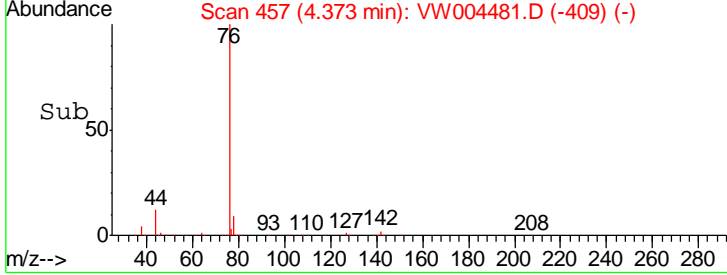
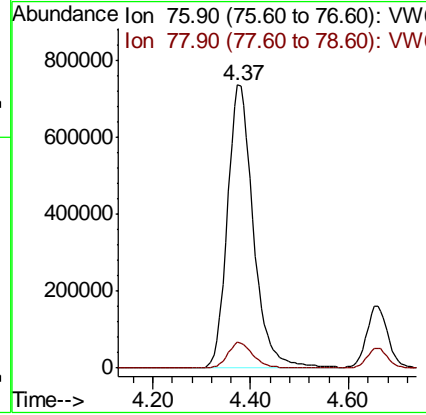
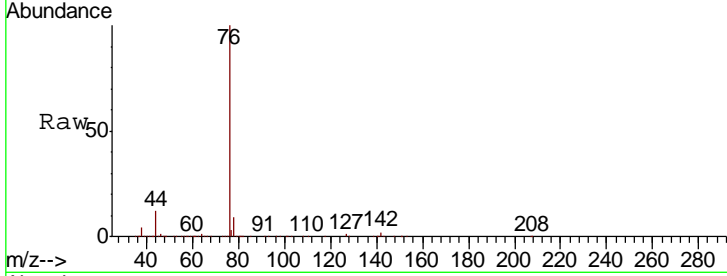
#17  
 Carbon Disulfide  
 Concen: 109.79 ug/l  
 RT: 4.37 min Scan# 457  
 Delta R.T. -0.01 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDIC100

Tgt Ion: 76 Resp: 2709349

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4

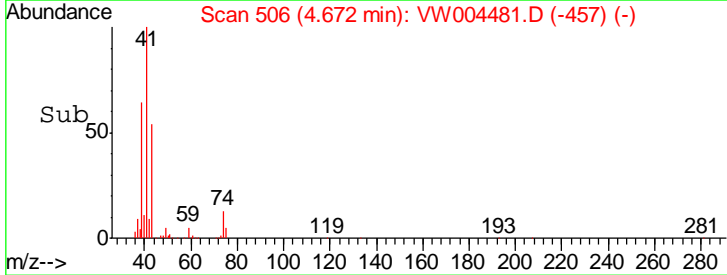
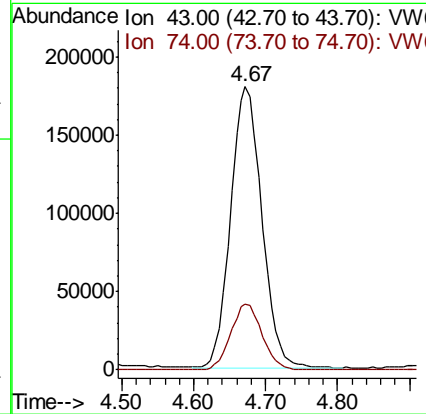
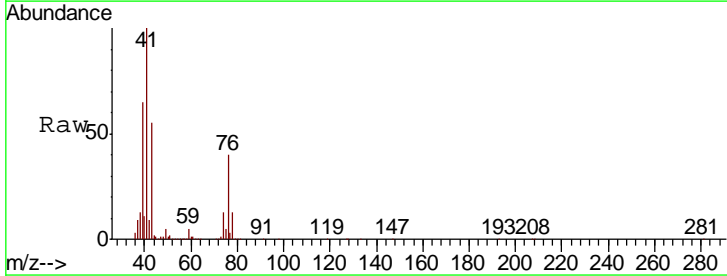
**Manual Integrations**  
**APPROVED**  
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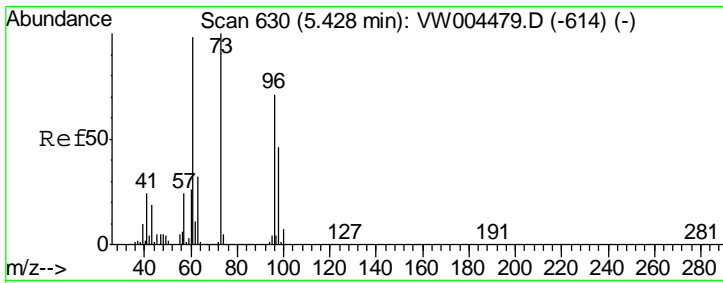


#18  
 Methyl Acetate  
 Concen: 112.59 ug/l  
 RT: 4.67 min Scan# 506  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion: 43 Resp: 540712

Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.1	28.7





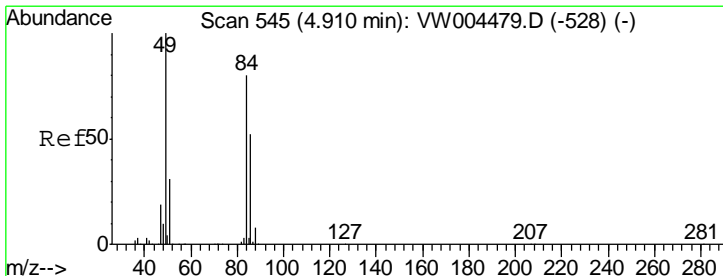
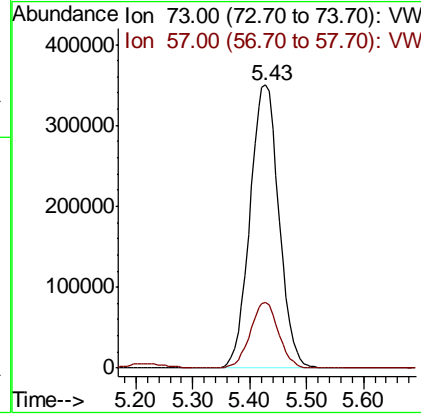
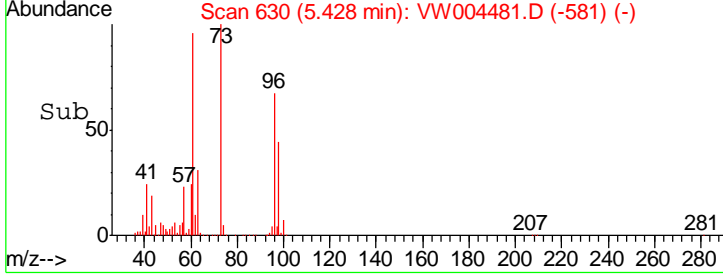
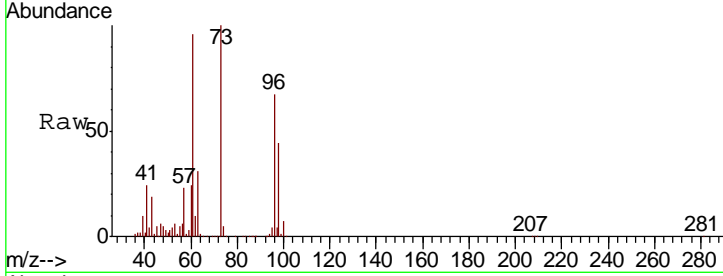
#19  
 Methyl tert-butyl Ether  
 Concen: 90.20 ug/l  
 RT: 5.43 min Scan# 630  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion: 73 Resp: 1237013

Ion	Ratio	Lower	Upper
73	100		
57	23.1	19.6	29.4

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDIC100

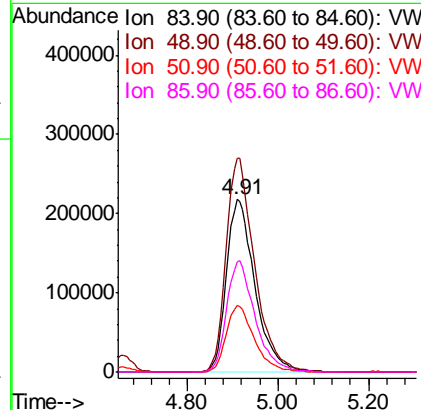
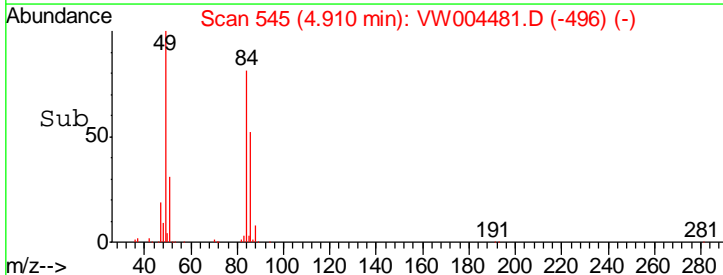
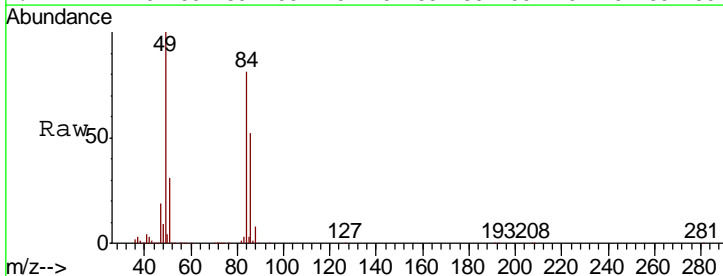
**Manual Integrations**  
**APPROVED**  
 apatel  
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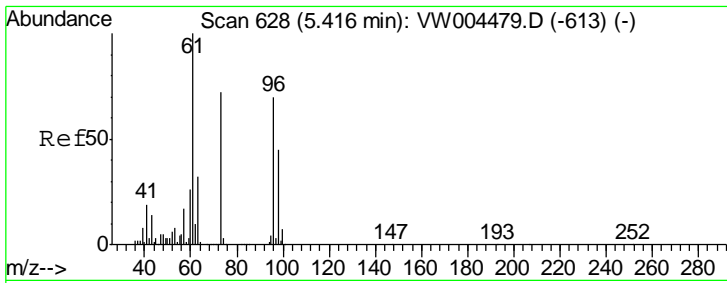


#20  
 Methylene Chloride  
 Concen: 107.28 ug/l  
 RT: 4.91 min Scan# 545  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion: 84 Resp: 952228

Ion	Ratio	Lower	Upper
84	100		
49	123.8	99.6	149.4
51	38.8	31.0	46.4
86	64.1	51.5	77.3





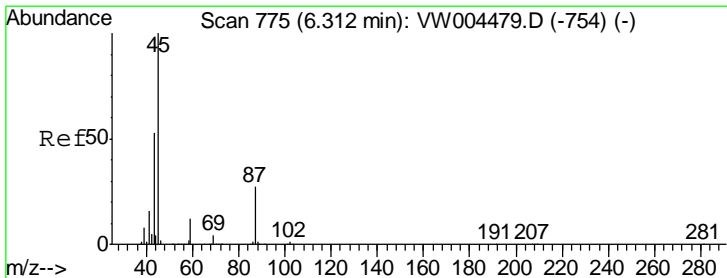
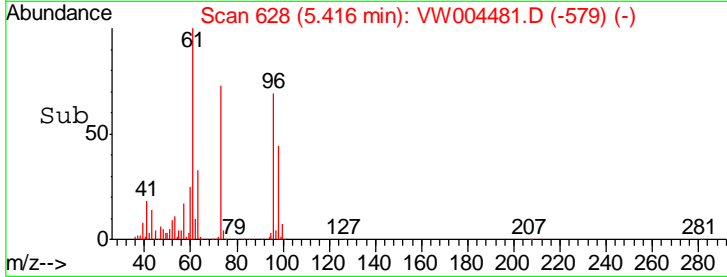
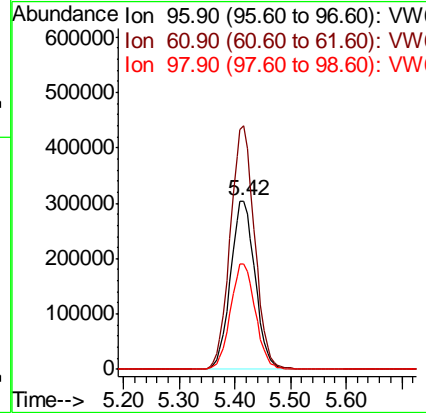
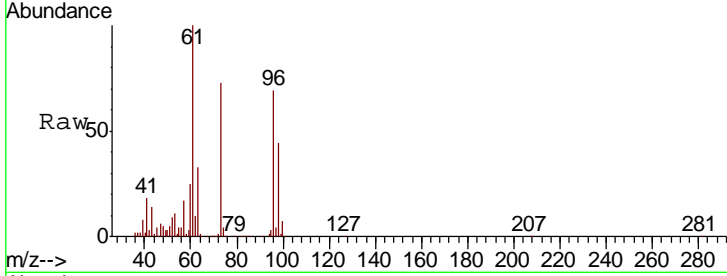
#21  
 trans-1,2-Dichloroethene  
 Concen: 108.13 ug/l  
 RT: 5.42 min Scan# 628  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDICC100

Tgt Ion	Resp	Lower	Upper
96	926387		
96	100		
61	144.3	114.1	171.1
98	62.8	51.4	77.2

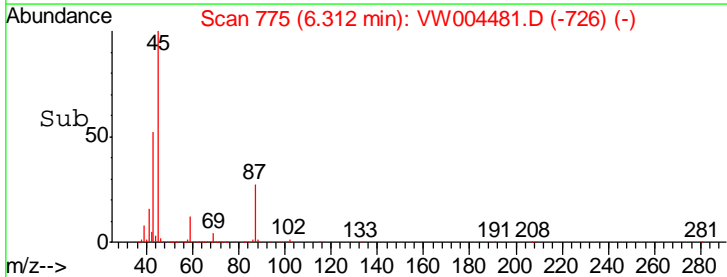
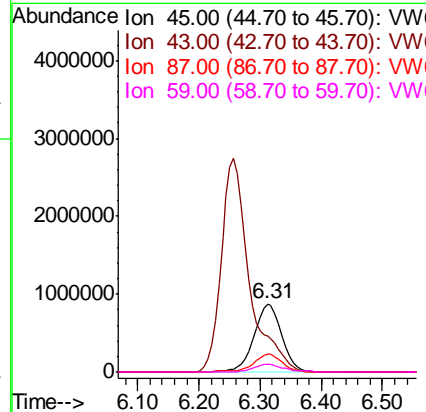
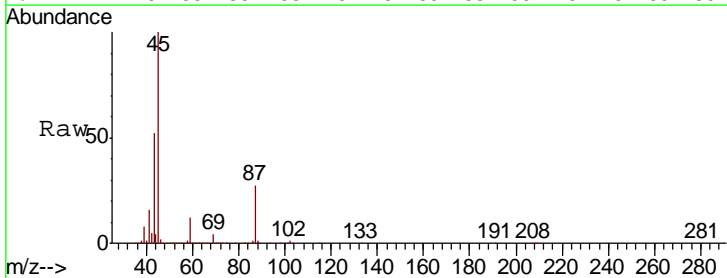
**Manual Integrations**  
**APPROVED**

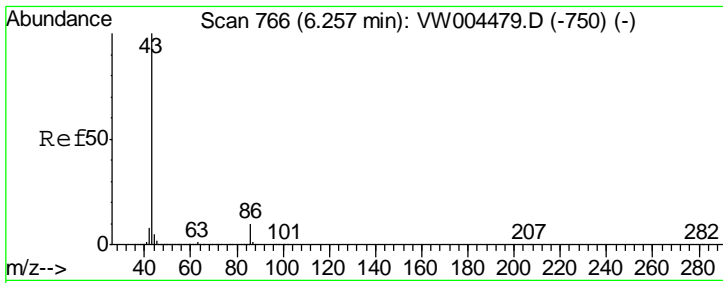
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#22  
 Diisopropyl ether  
 Concen: 114.51 ug/l  
 RT: 6.31 min Scan# 775  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
45	2775354		
45	100		
43	52.1	42.4	63.6
87	26.9	21.6	32.4
59	11.9	9.6	14.4





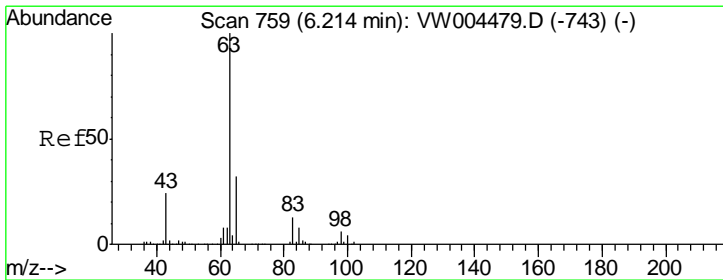
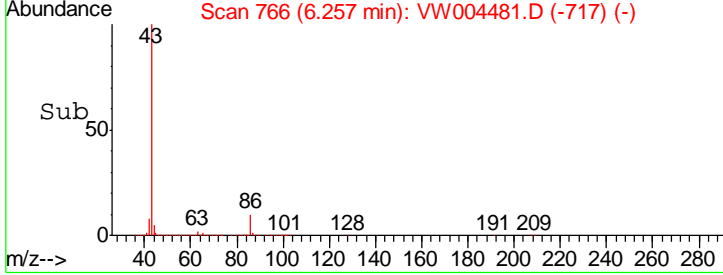
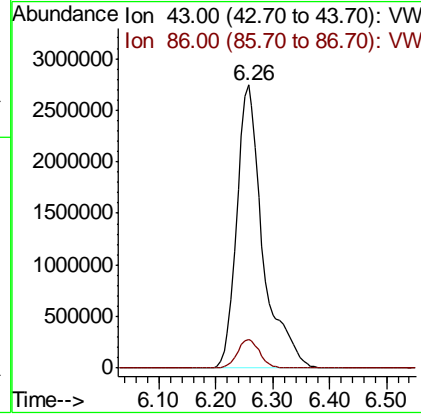
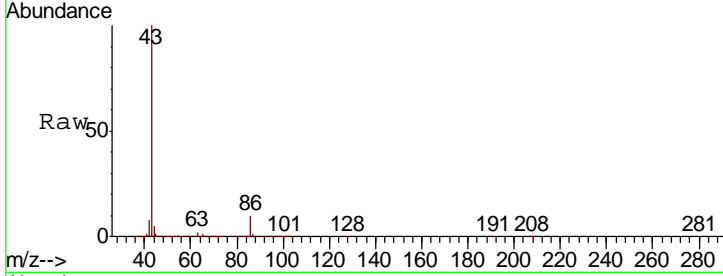
#23  
 Vinyl Acetate  
 Concen: 617.29 ug/l  
 RT: 6.26 min Scan# 766  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion: 43 Resp: 8756162

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.9	11.9

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDIC100

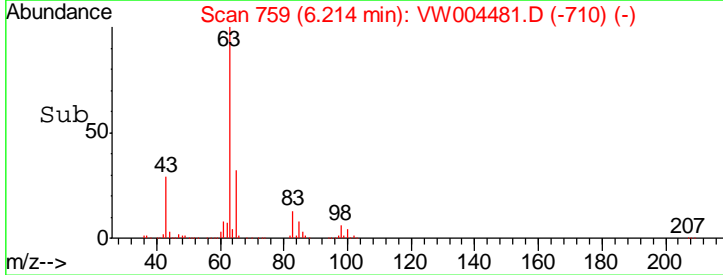
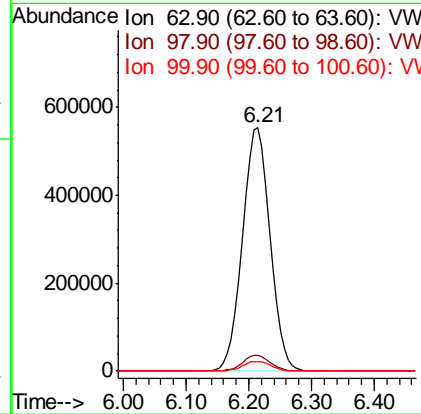
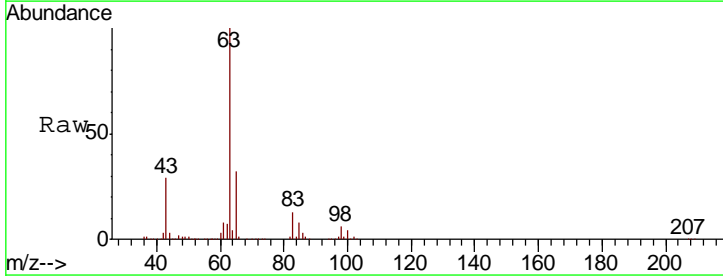
**Manual Integrations**  
**APPROVED**  
 apatel  
 8/7/2018 4:49:12 PM



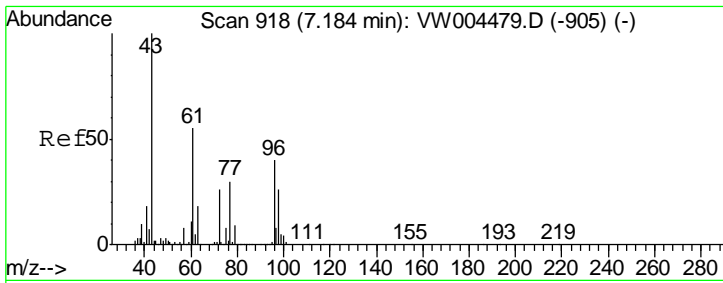
#24  
 1,1-Dichloroethane  
 Concen: 107.54 ug/l  
 RT: 6.21 min Scan# 759  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion: 63 Resp: 1684260

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.1	9.3
100	4.0	2.1	6.5







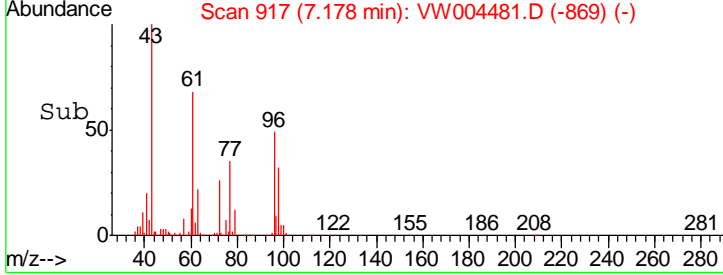
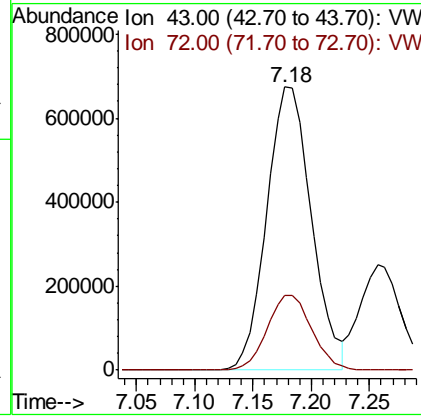
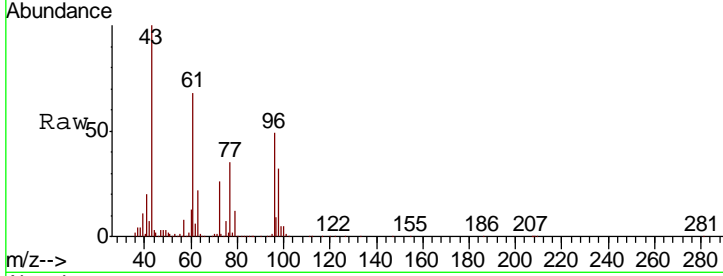
#25  
 2-Butanone  
 Concen: 750.26 ug/l  
 RT: 7.18 min Scan# 917  
 Delta R.T. -0.01 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDIC100

Tgt Ion: 43 Resp: 1791516

Ion	Ratio	Lower	Upper
43	100		
72	26.3	21.0	31.6

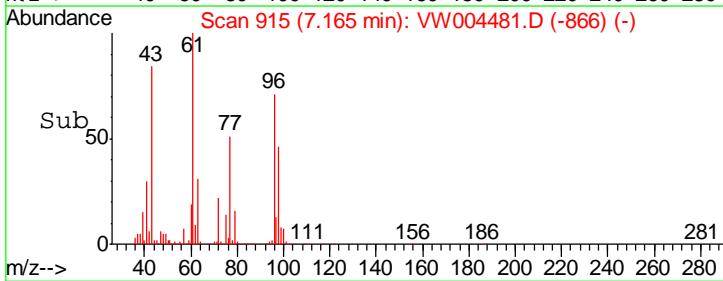
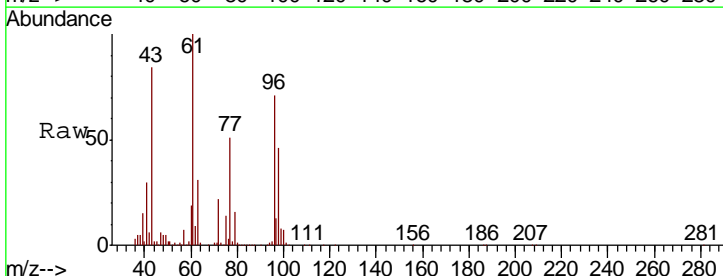
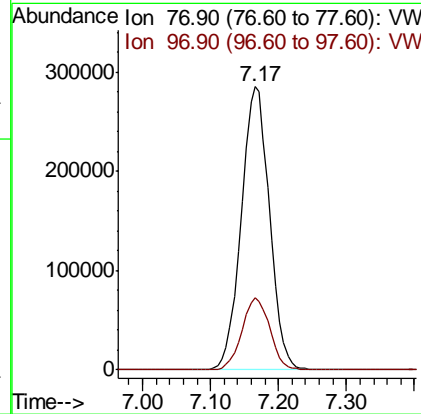
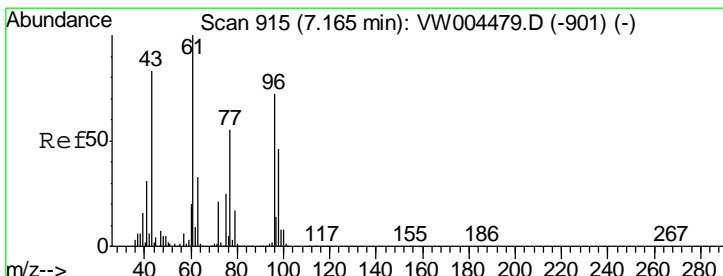
**Manual Integrations**  
**APPROVED**  
 apatel  
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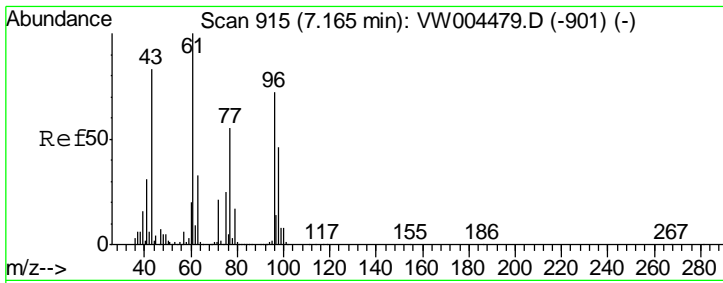


#26  
 2,2-Dichloropropane  
 Concen: 92.68 ug/l  
 RT: 7.17 min Scan# 915  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion: 77 Resp: 819929

Ion	Ratio	Lower	Upper
77	100		
97	25.1	12.5	37.5





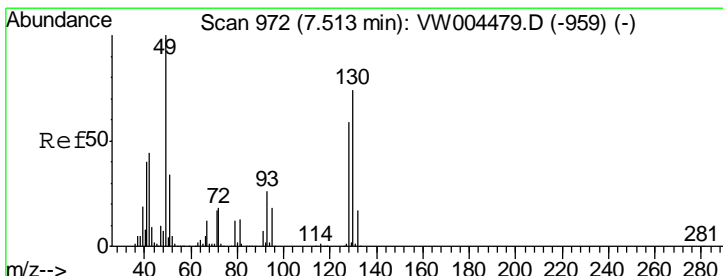
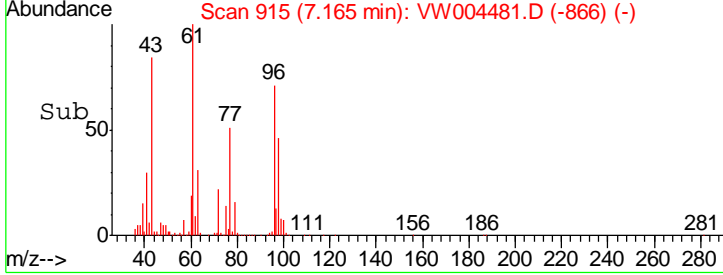
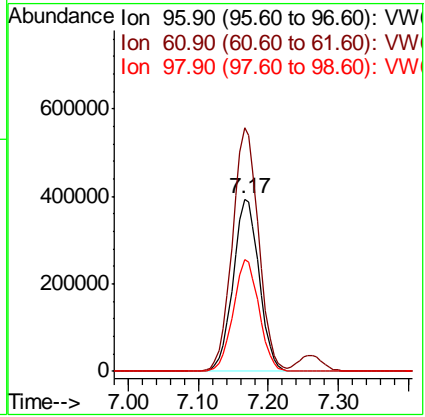
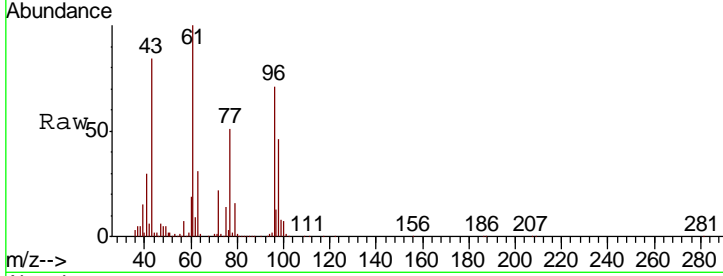
#27  
 cis-1,2-Dichloroethene  
 Concen: 115.65 ug/l  
 RT: 7.17 min Scan# 915  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
96	1014096		
96	100		
61	142.6	0.0	285.0
98	64.4	0.0	128.6

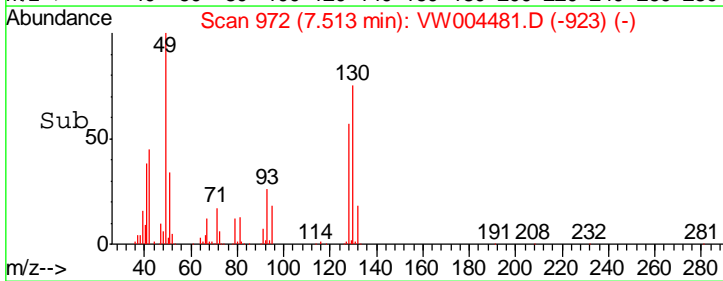
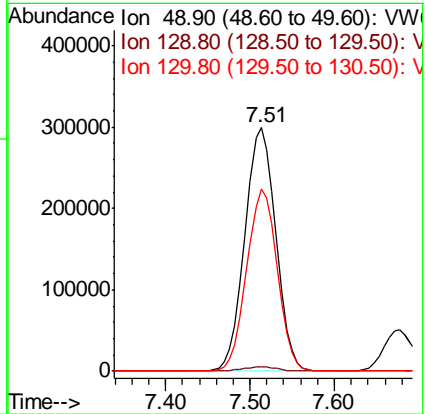
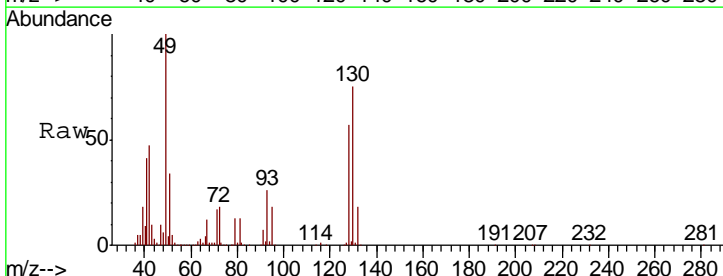
**Manual Integrations**  
**APPROVED**

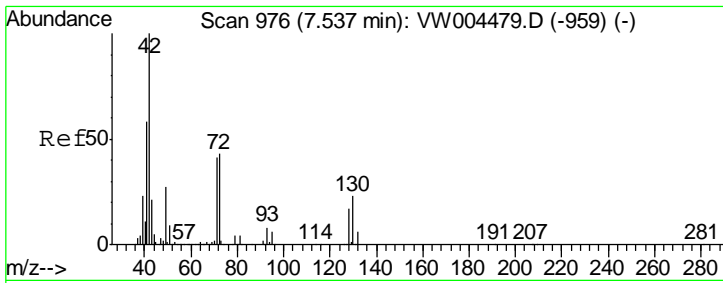
apatel  
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#28  
 Bromochloromethane  
 Concen: 130.81 ug/l  
 RT: 7.51 min Scan# 972  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
49	745274		
49	100		
129	1.9	0.0	4.0
130	73.9	58.8	88.2



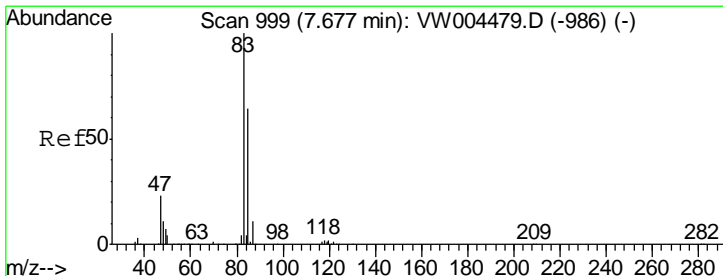
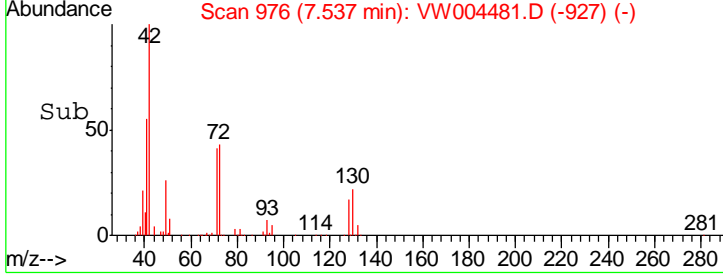
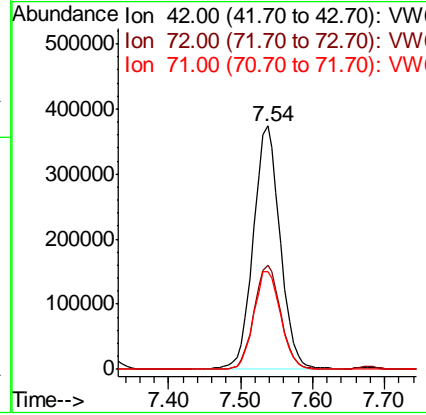
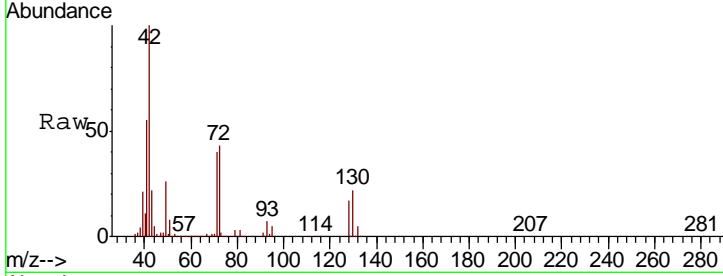


#29  
 Tetrahydrofuran  
 Concen: 658.04 ug/l  
 RT: 7.54 min Scan# 976  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	40.5	32.5	48.7

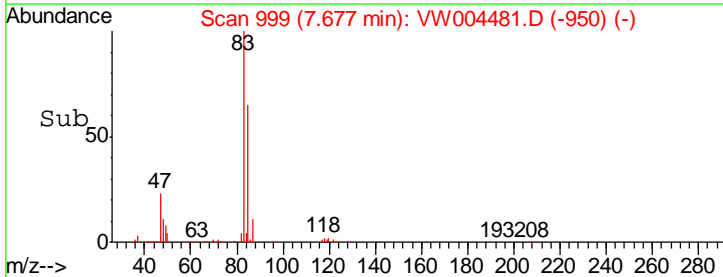
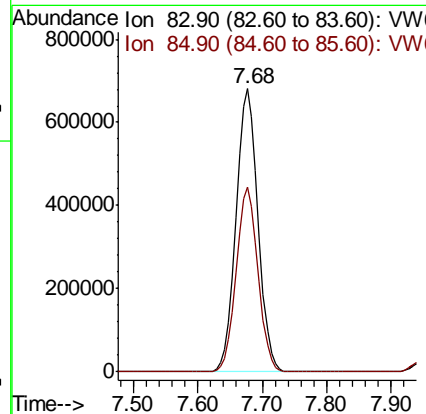
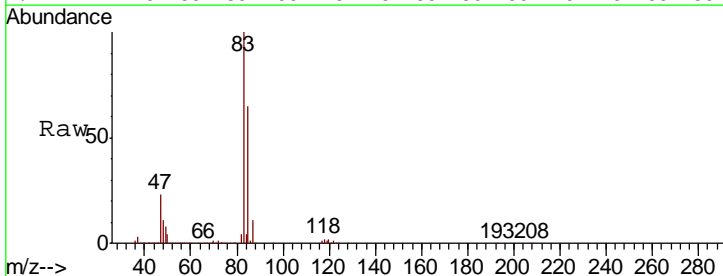
**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDICC100

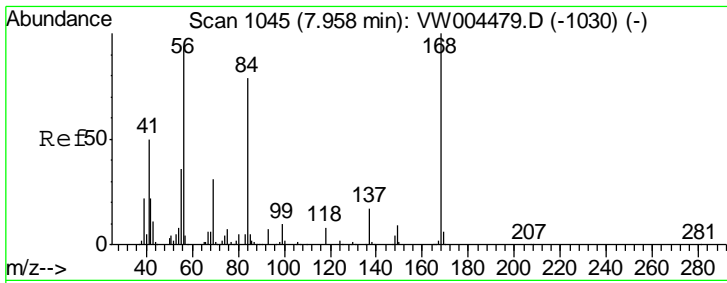
**Manual Integrations**  
**APPROVED**  
 apatel  
 8/7/2018 4:49:12 PM



#30  
 Chloroform  
 Concen: 108.67 ug/l  
 RT: 7.68 min Scan# 999  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.1	51.3	76.9





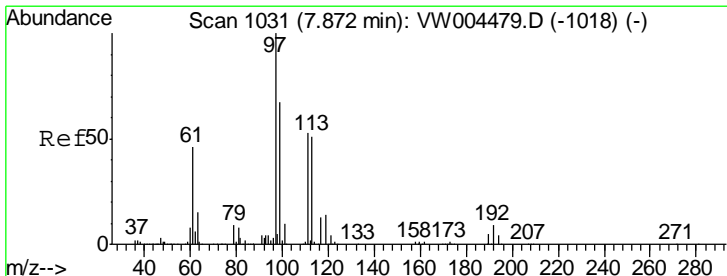
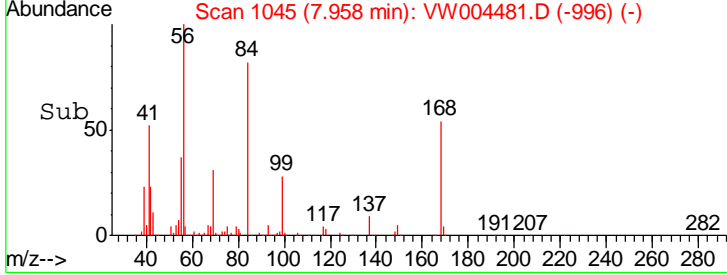
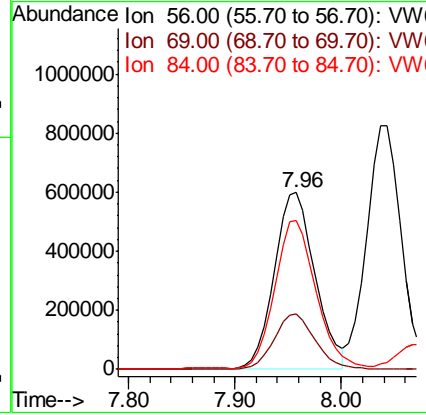
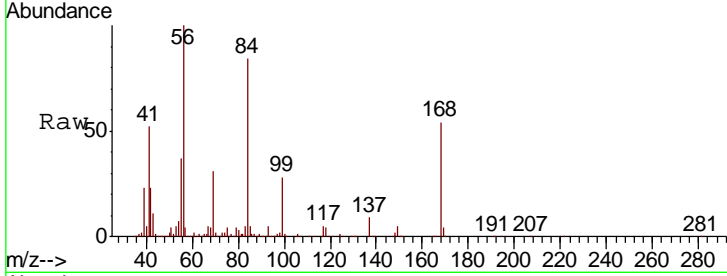
#31  
 Cyclohexane  
 Concen: 114.58 ug/l  
 RT: 7.96 min Scan# 1045  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDIC100

Tgt Ion: 56 Resp: 1592609

Ion	Ratio	Lower	Upper
56	100		
69	31.1	26.4	39.6
84	83.7	66.9	100.3

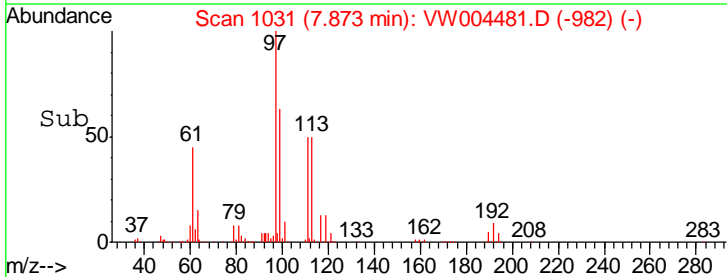
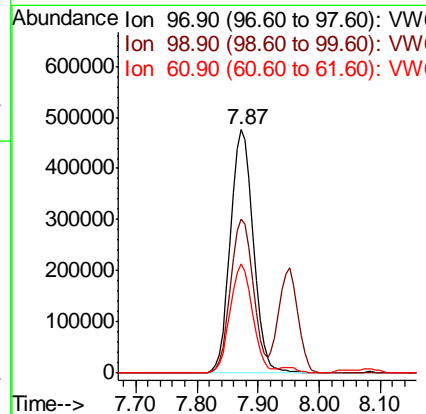
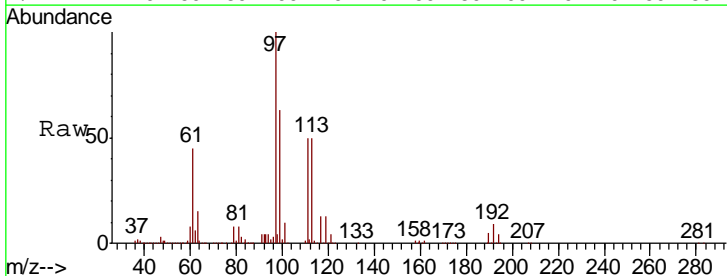
**Manual Integrations**  
**APPROVED**  
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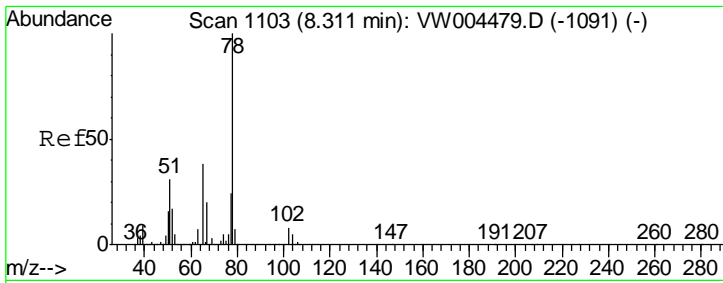


#32  
 1,1,1-Trichloroethane  
 Concen: 101.38 ug/l  
 RT: 7.87 min Scan# 1031  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion: 97 Resp: 1224791

Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.6	77.4
61	44.1	35.7	53.5





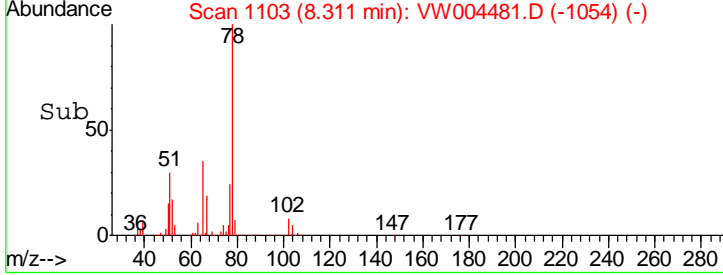
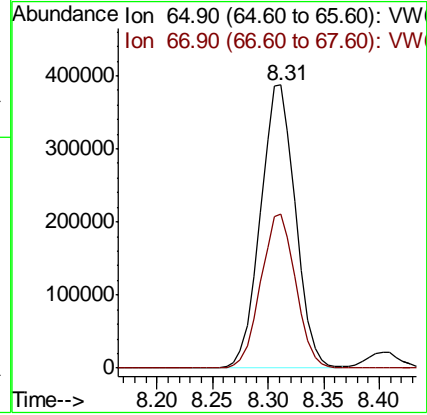
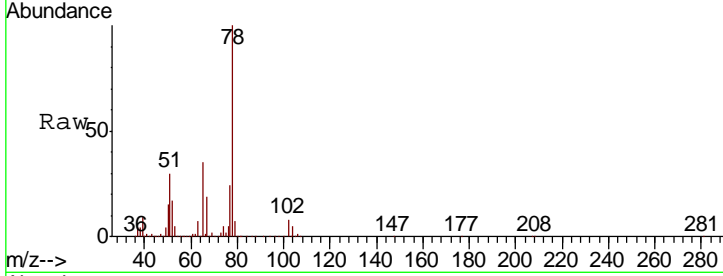
#33  
 1,2-Dichloroethane-d4  
 Concen: 105.04 ug/l  
 RT: 8.31 min Scan# 1103  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	109.0

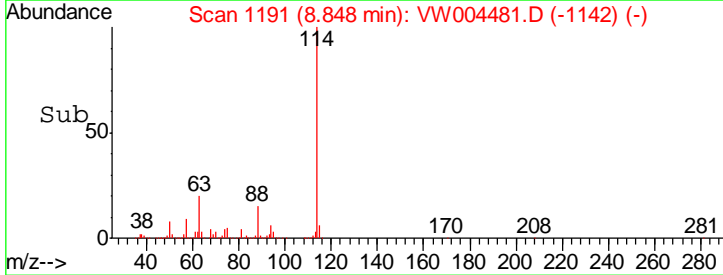
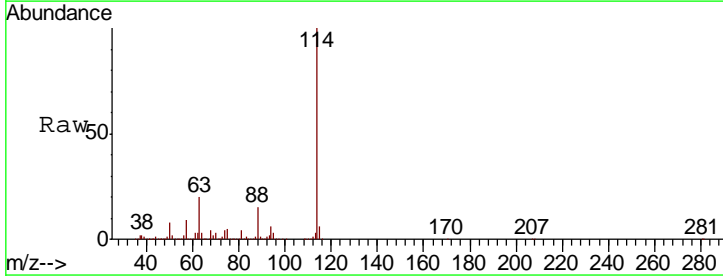
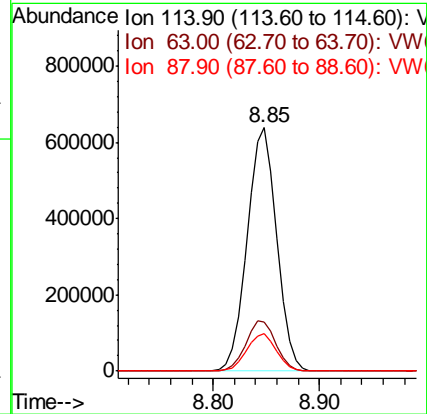
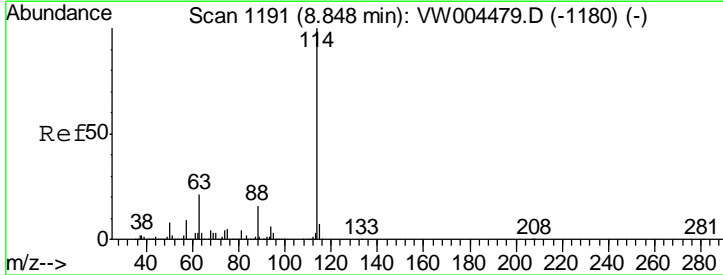
**Manual Integrations**  
**APPROVED**

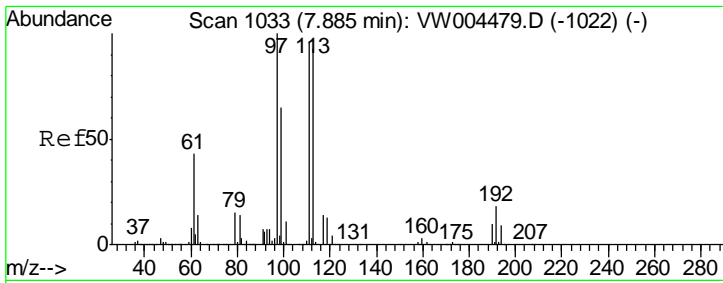
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#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	42.4
88	15.5	0.0	31.2



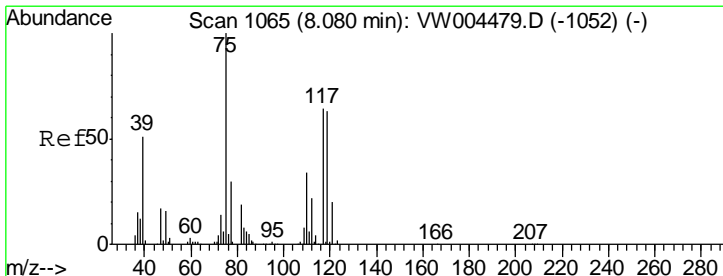
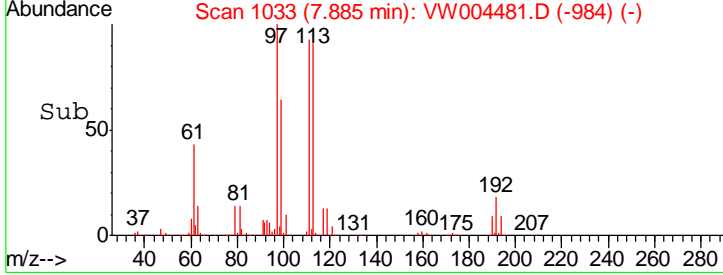
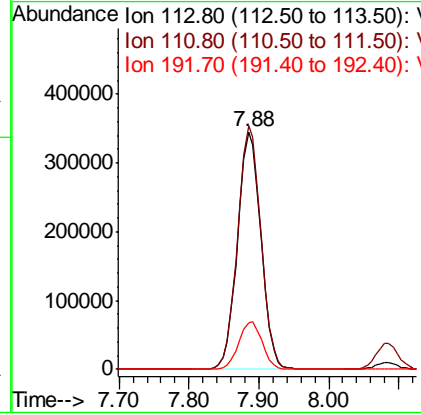
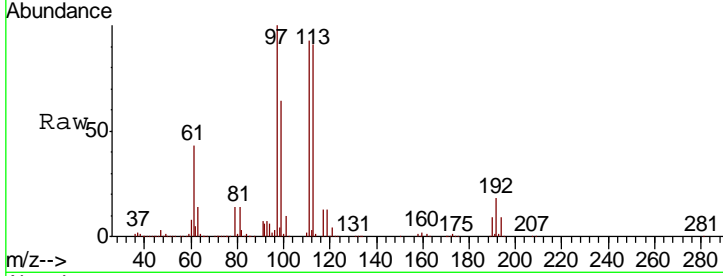


#35  
 Dibromofluoromethane  
 Concen: 101.17 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
113	801484		
113	100		
111	102.2	82.9	124.3
192	20.2	15.8	23.6

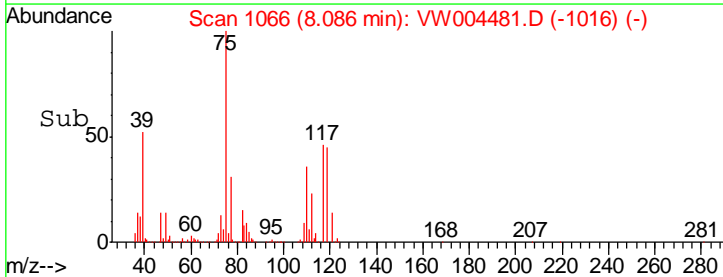
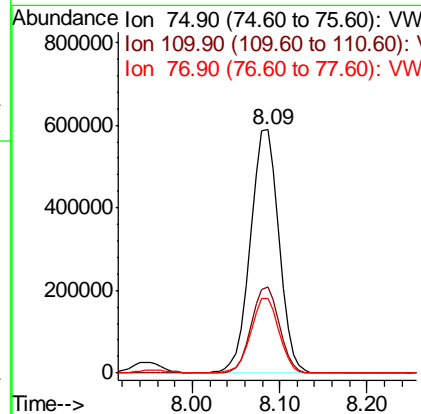
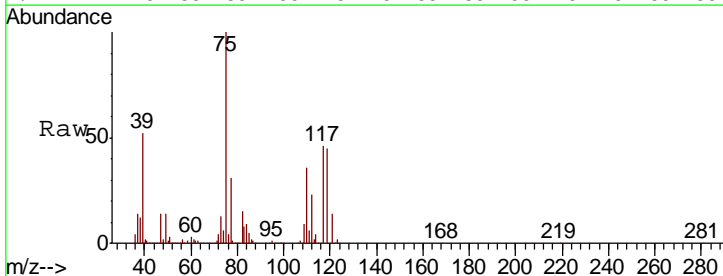
**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDIC100

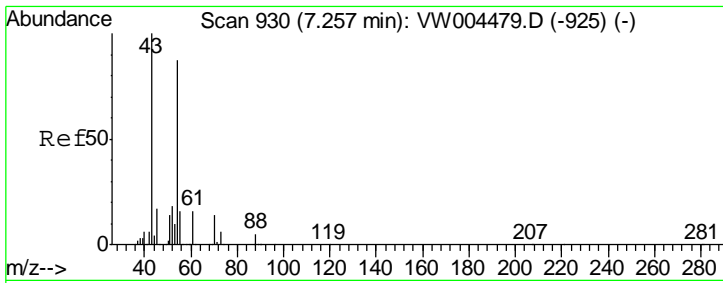
**Manual Integrations**  
**APPROVED**  
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#36  
 1,1-Dichloropropene  
 Concen: 106.07 ug/l  
 RT: 8.09 min Scan# 1066  
 Delta R.T. 0.01 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
75	1333665		
75	100		
110	35.0	17.4	52.2
77	30.7	24.7	37.1



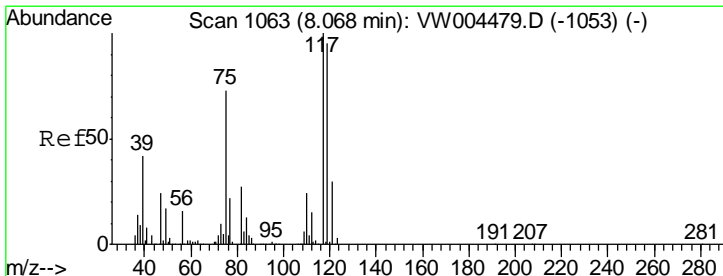
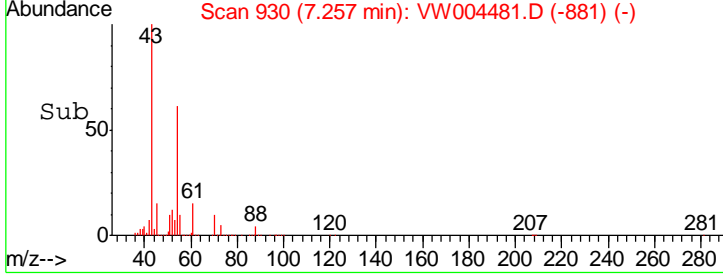
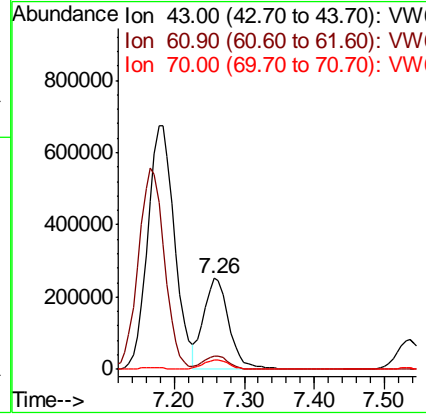
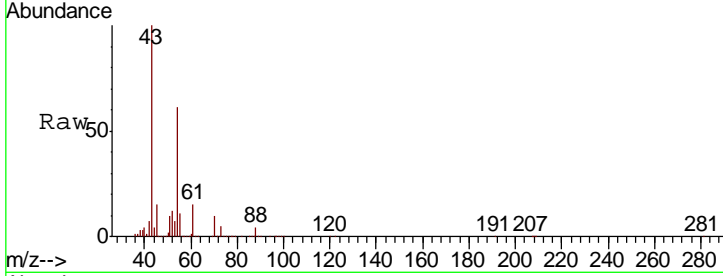


#37  
 Ethyl Acetate  
 Concen: 121.51 ug/l  
 RT: 7.26 min Scan# 930  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.5	11.9	17.9
70	10.5	8.2	12.4

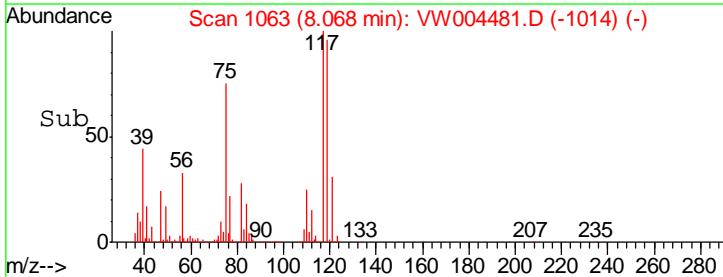
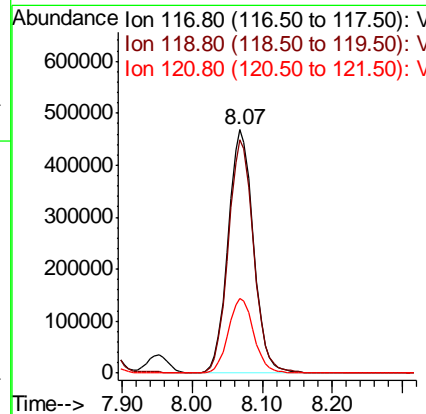
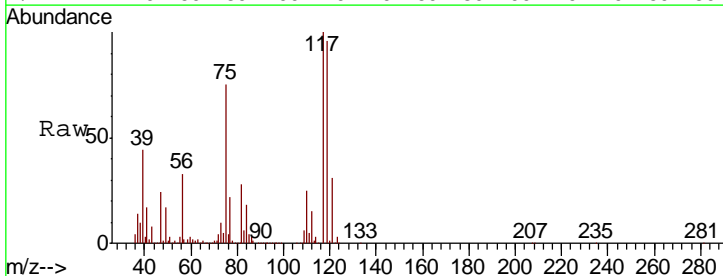
**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDIC100

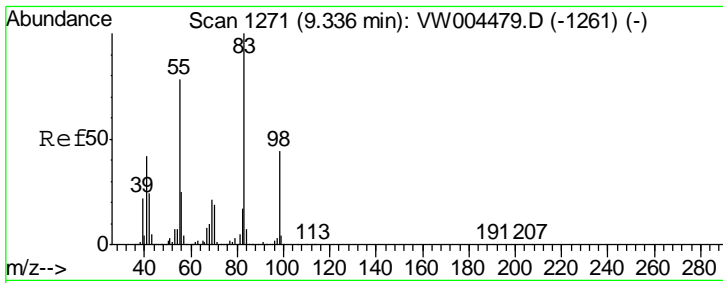
**Manual Integrations**  
**APPROVED**  
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#38  
 Carbon Tetrachloride  
 Concen: 96.14 ug/l  
 RT: 8.07 min Scan# 1063  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
117	100		
119	95.9	76.1	114.1
121	30.6	24.2	36.4





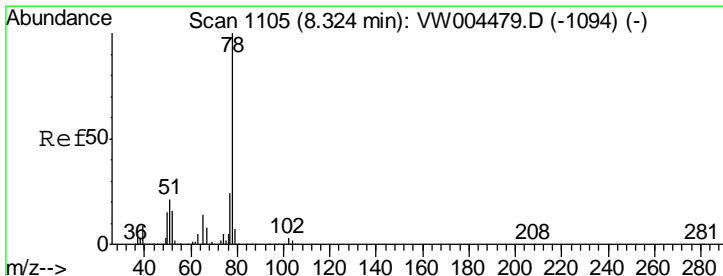
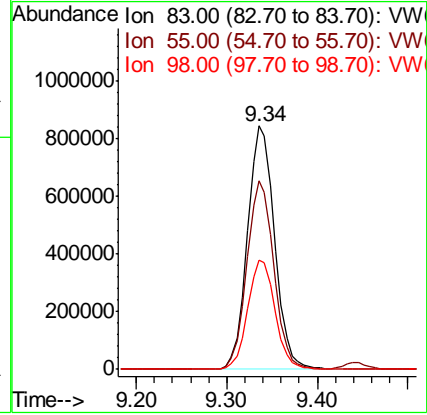
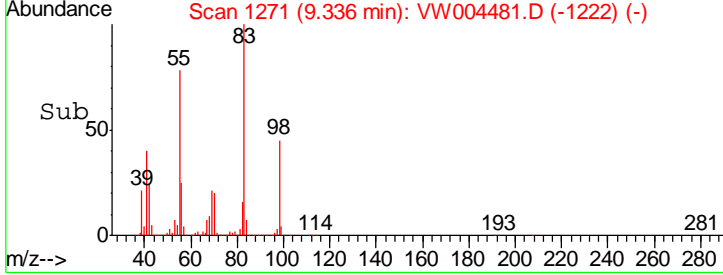
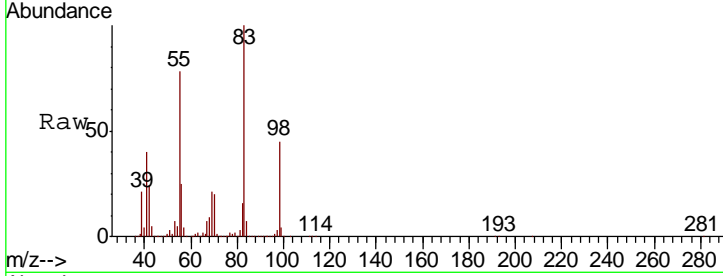
#39  
 Methylcyclohexane  
 Concen: 113.91 ug/l  
 RT: 9.34 min Scan# 1271  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDIC100

Tgt Ion: 83 Resp: 1740248

Ion	Ratio	Lower	Upper
83	100		
55	77.6	62.5	93.7
98	45.0	35.4	53.2

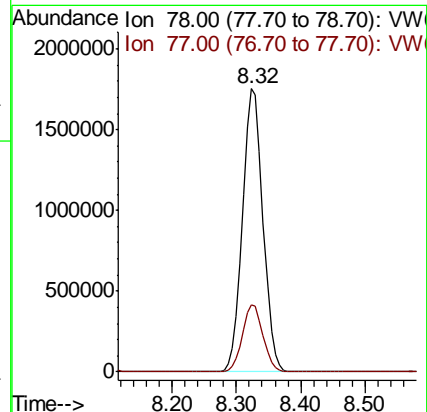
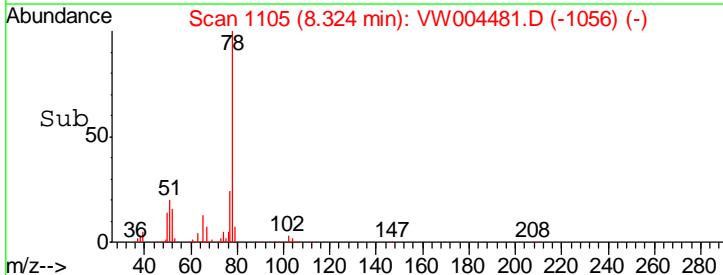
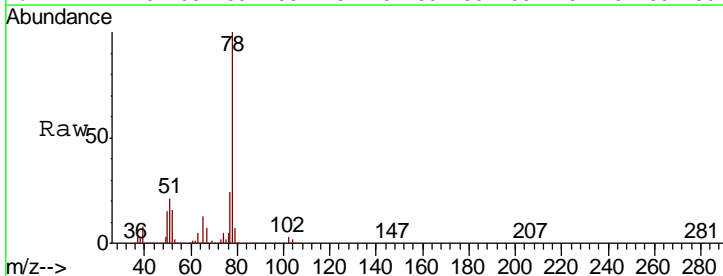
**Manual Integrations**  
**APPROVED**  
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 8/7/2018 4:49:12 PM



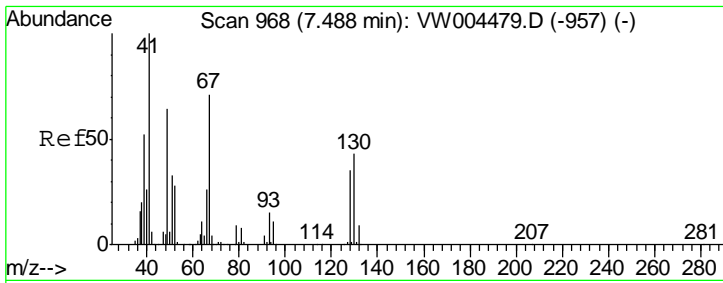
#40  
 Benzene  
 Concen: 108.66 ug/l  
 RT: 8.32 min Scan# 1105  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion: 78 Resp: 3860907

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6







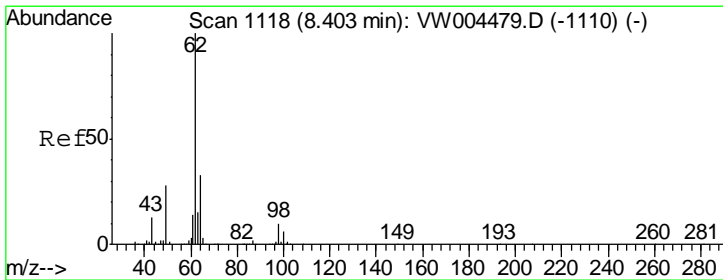
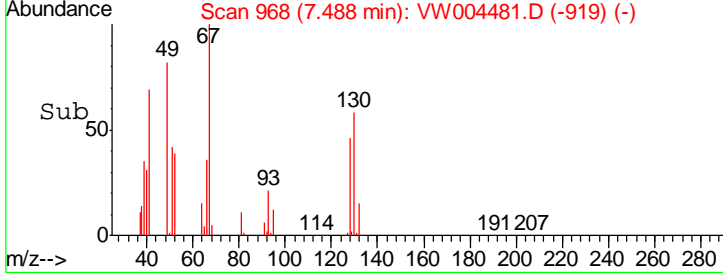
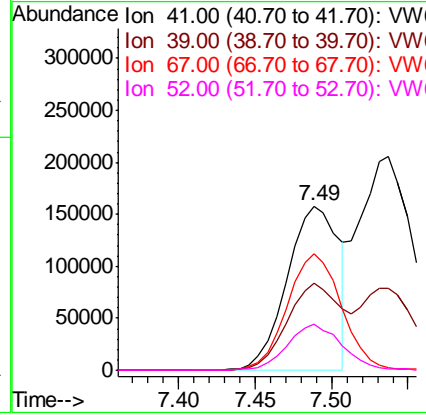
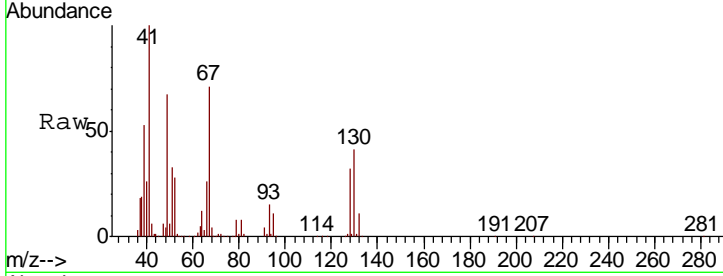
#41  
 Methacrylonitrile  
 Concen: 124.37 ug/l  
 RT: 7.49 min Scan# 968  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
41	100		
39	56.9	46.2	69.2
67	74.4	60.8	91.2
52	29.3	23.8	35.6

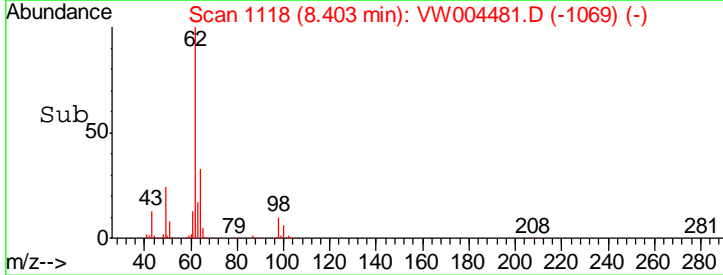
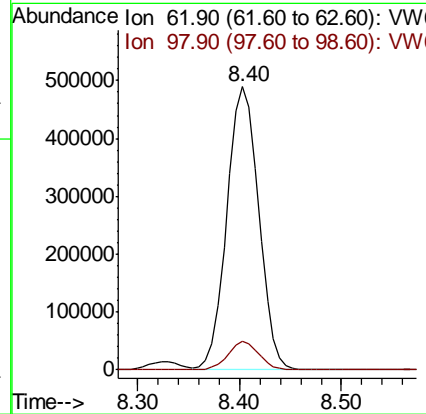
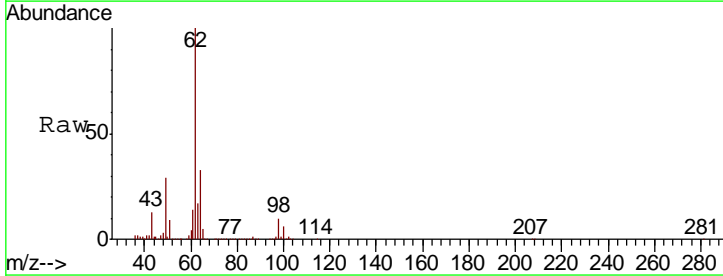
Manual Integrations  
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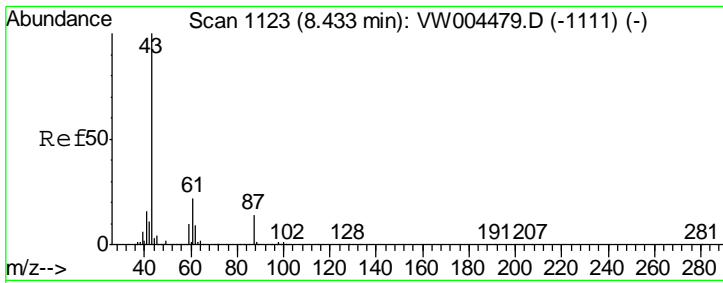
apatel  
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#42  
 1,2-Dichloroethane  
 Concen: 104.77 ug/l  
 RT: 8.40 min Scan# 1118  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.8	0.0	19.6





#43  
 Isopropyl Acetate  
 Concen: 126.32 ug/l  
 RT: 8.43 min Scan# 1123  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

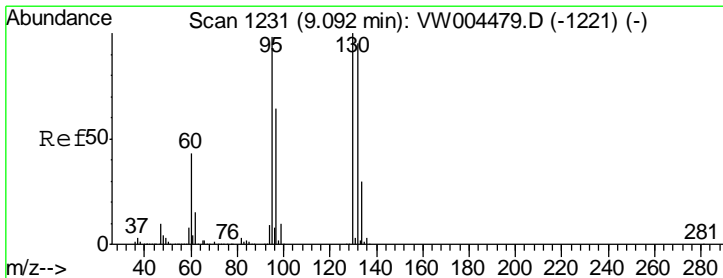
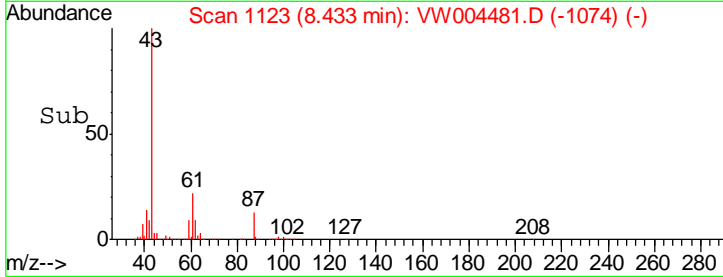
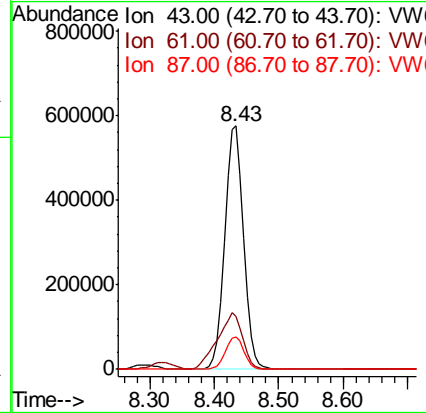
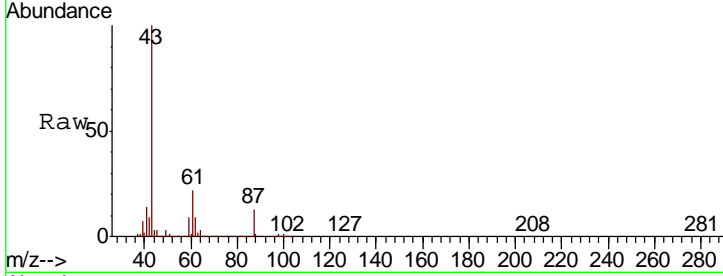
Instrument : MSVOA\_W  
 ClientSampled : VSTDIC100

Tgt Ion: 43 Resp: 1182210

Ion	Ratio	Lower	Upper
43	100		
61	31.0	25.2	37.8
87	13.2	10.6	16.0

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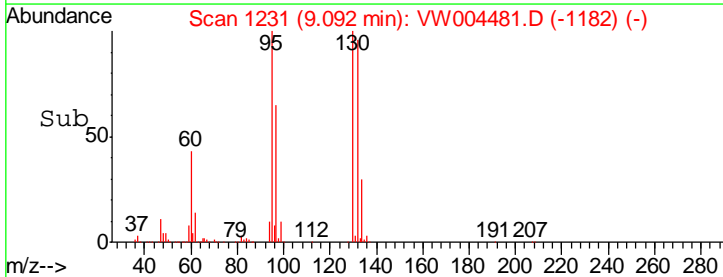
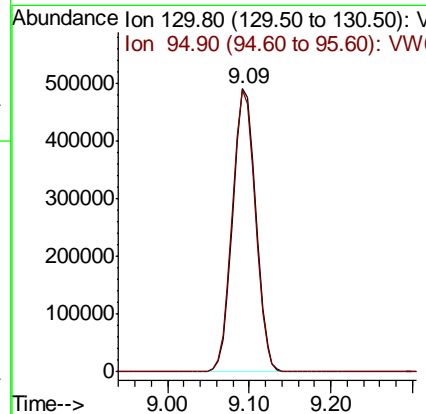
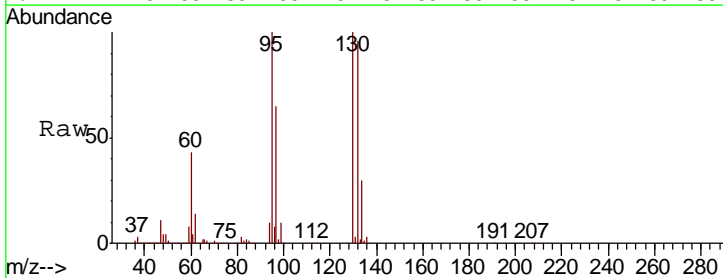
apatel  
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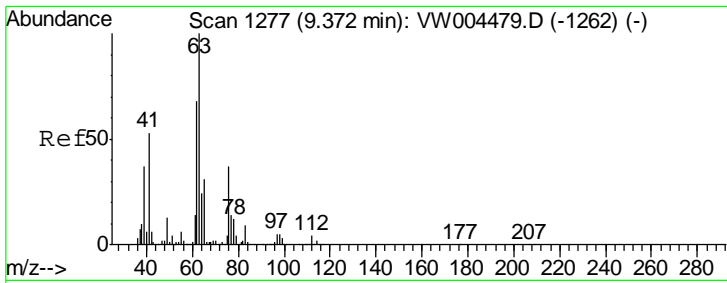


#44  
 Trichloroethene  
 Concen: 100.81 ug/l  
 RT: 9.09 min Scan# 1231  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion: 130 Resp: 956582

Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	196.2



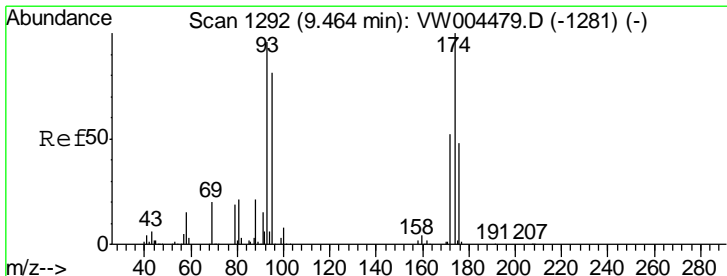
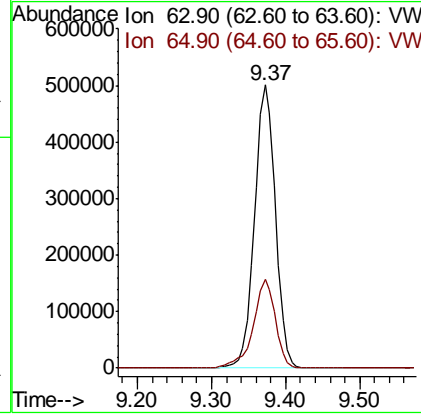
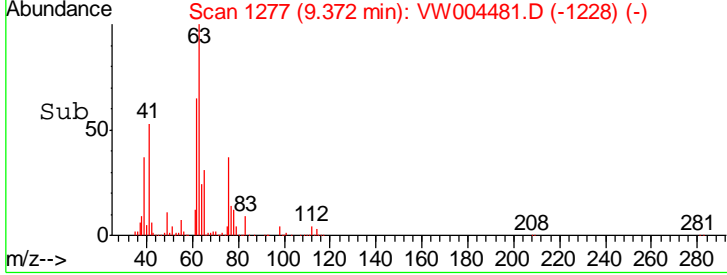
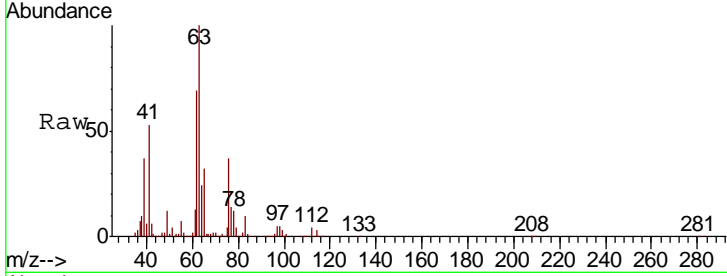


#45  
 1,2-Dichloropropane  
 Concen: 111.57 ug/l  
 RT: 9.37 min Scan# 1277  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.6	24.5	36.7

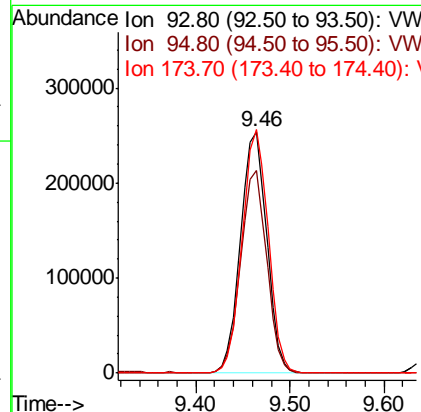
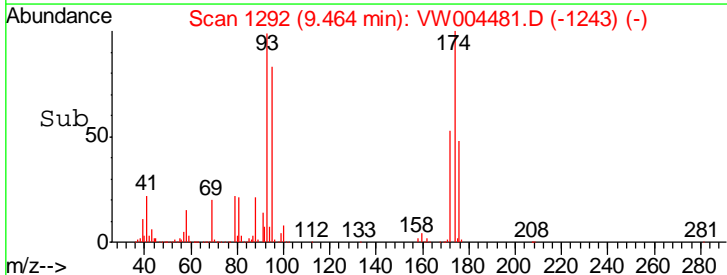
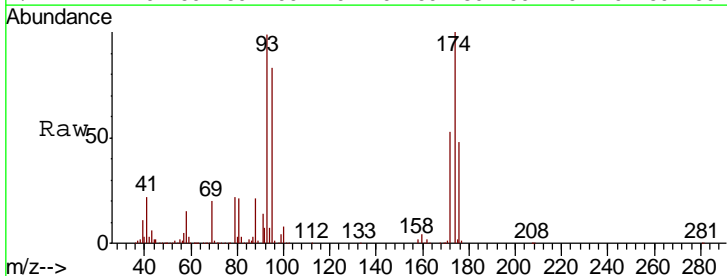
Instrument : MSVOA\_W  
 ClientSampled : VSTDIC100

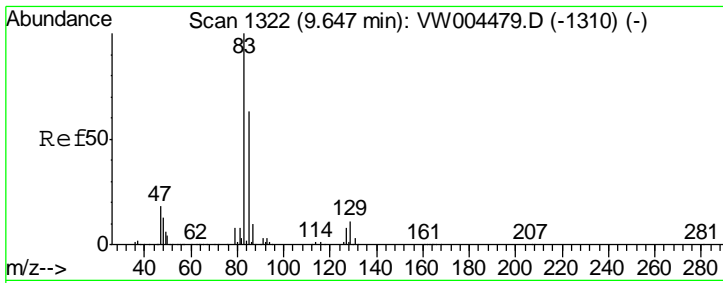
Manual Integrations APPROVED  
 apatel  
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#46  
 Dibromomethane  
 Concen: 109.36 ug/l  
 RT: 9.46 min Scan# 1292  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
93	100		
95	83.3	67.0	100.4
174	100.4	80.2	120.4





#47  
 Bromodichloromethane  
 Concen: 103.47 ug/l  
 RT: 9.65 min Scan# 1322  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

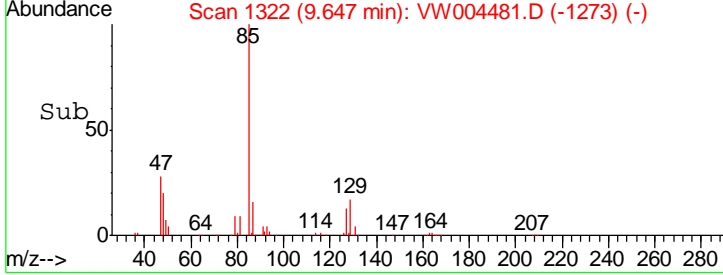
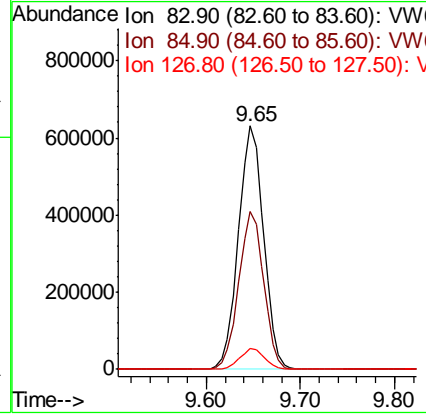
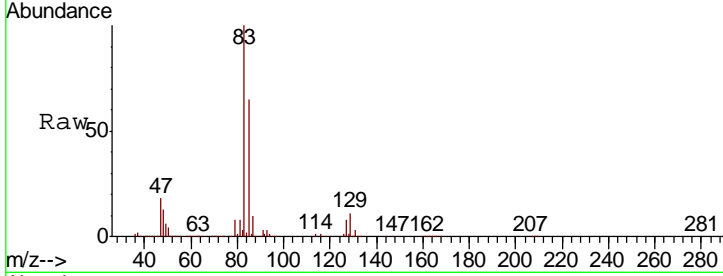
**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDIC100

Tgt Ion: 83 Resp: 1169649

Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.7	76.1
127	8.4	6.5	9.7

**Manual Integrations**  
**APPROVED**

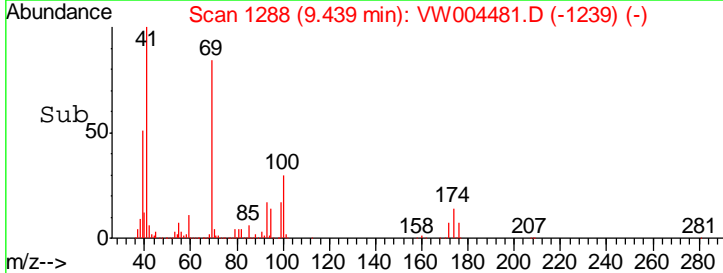
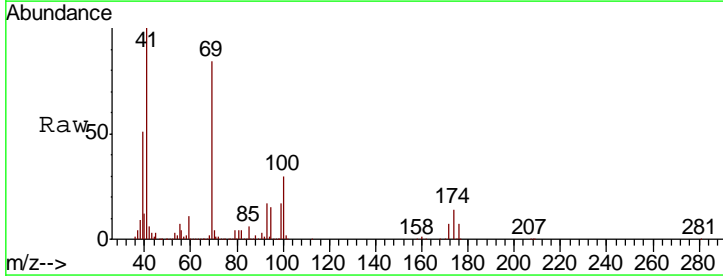
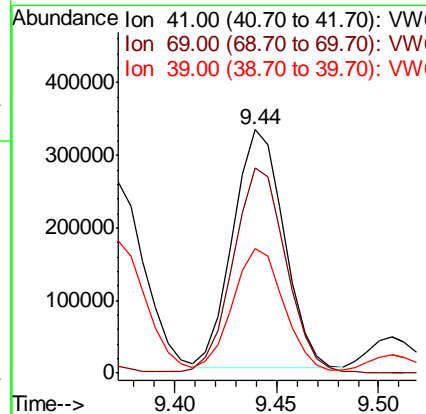
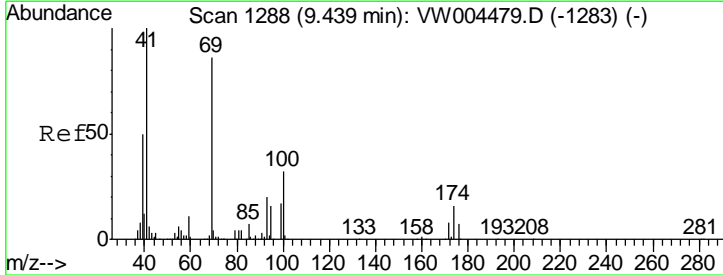
apatel  
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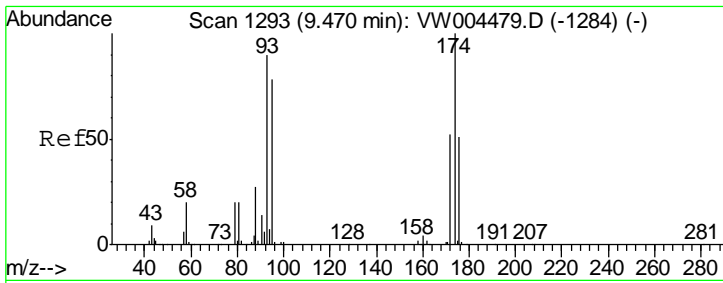


#48  
 Methyl methacrylate  
 Concen: 120.28 ug/l  
 RT: 9.44 min Scan# 1288  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion: 41 Resp: 568686

Ion	Ratio	Lower	Upper
41	100		
69	89.5	73.2	109.8
39	50.3	40.6	60.8





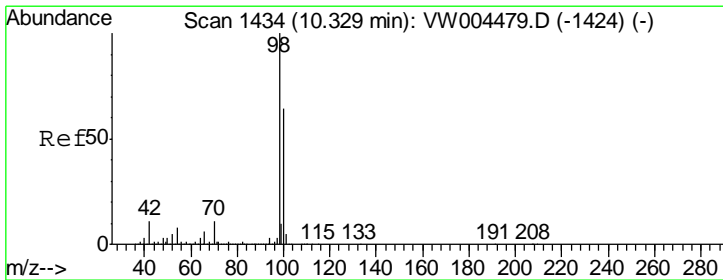
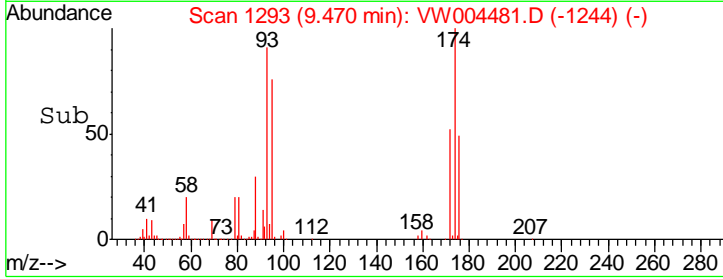
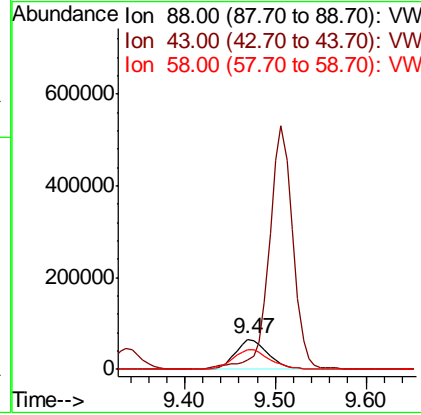
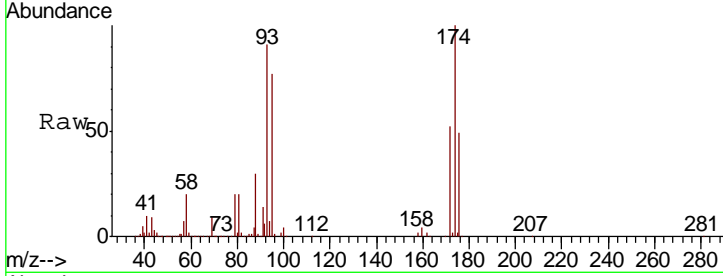
#49  
 1,4-Dioxane  
 Concen: 2374.66 ug/l  
 RT: 9.47 min Scan# 1293  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
88	162930		
88	100		
43	0.0	0.0	0.0
58	74.3	63.5	95.3

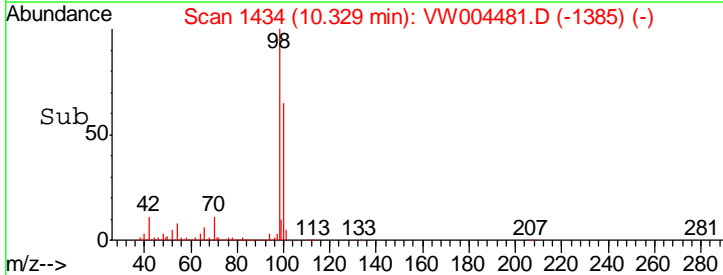
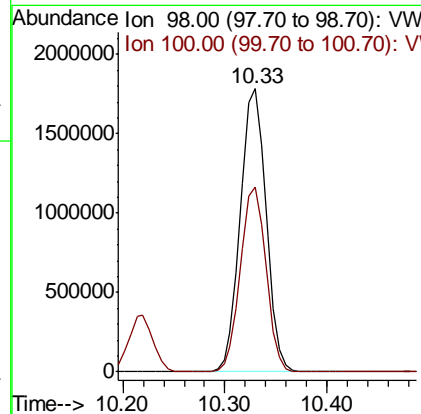
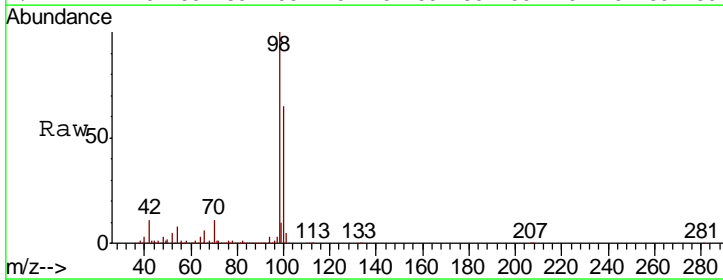
**Manual Integrations**  
**APPROVED**

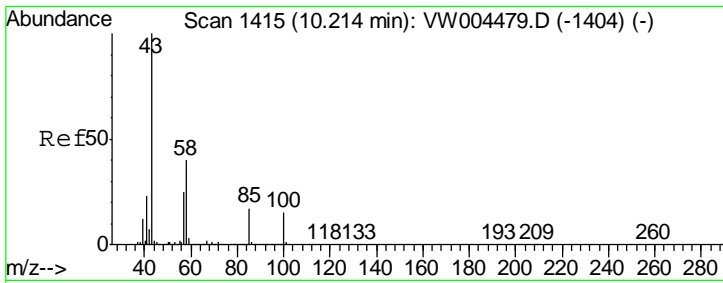
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#50  
 Toluene-d8  
 Concen: 100.15 ug/l  
 RT: 10.33 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
98	3116458		
98	100		
100	64.9	51.4	77.2





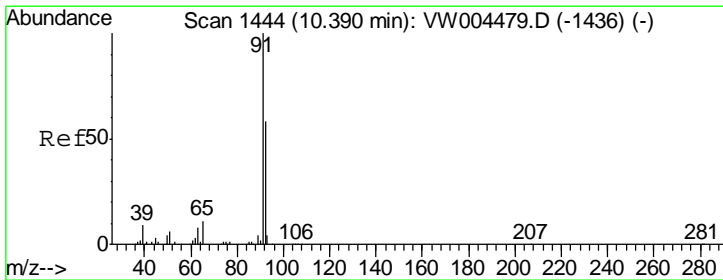
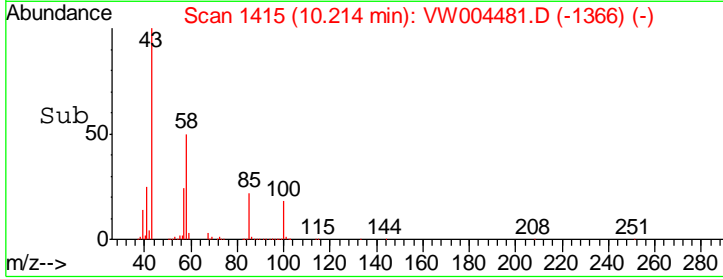
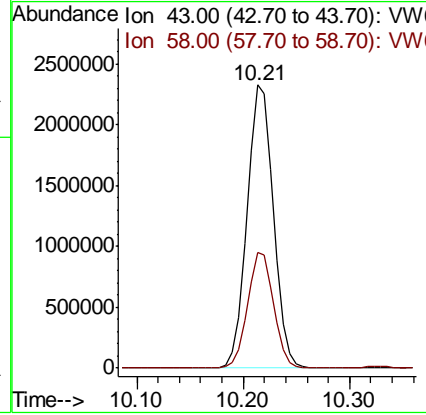
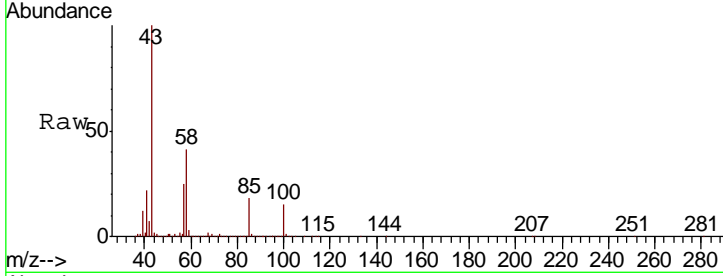
#51  
 4-Methyl-2-Pentanone  
 Concen: 741.48 ug/l  
 RT: 10.21 min Scan# 1415  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Instrument : MSVOA\_W  
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
58	40.4	31.9	47.9

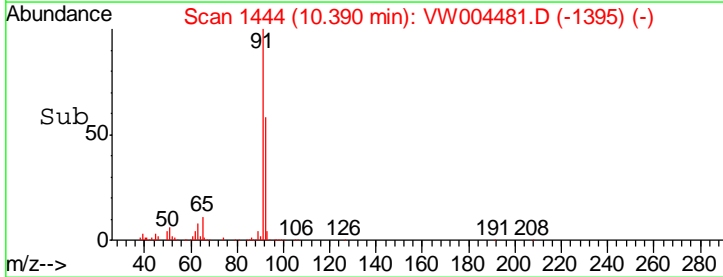
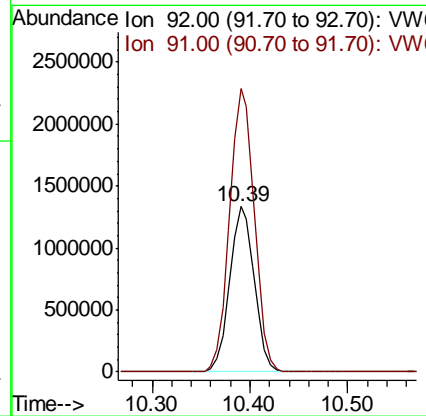
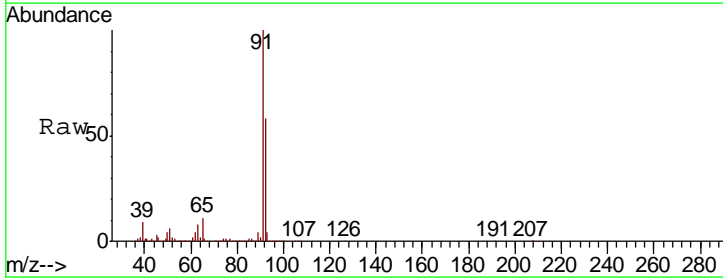
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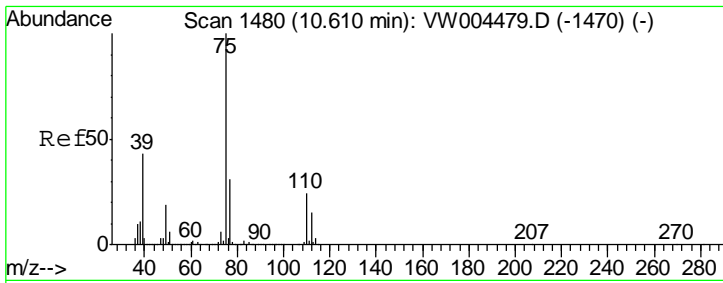
apatel  
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#52  
 Toluene  
 Concen: 104.13 ug/l  
 RT: 10.39 min Scan# 1444  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
92	100		
91	172.9	137.9	206.9





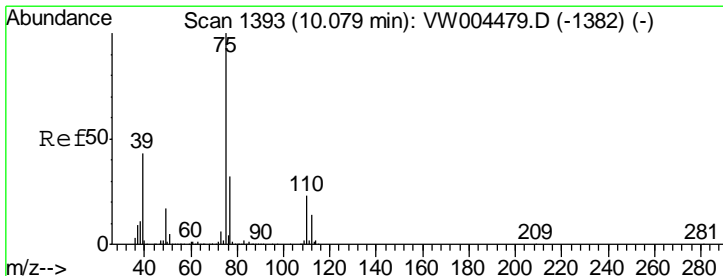
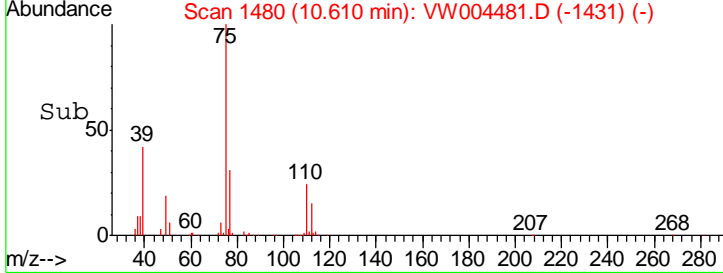
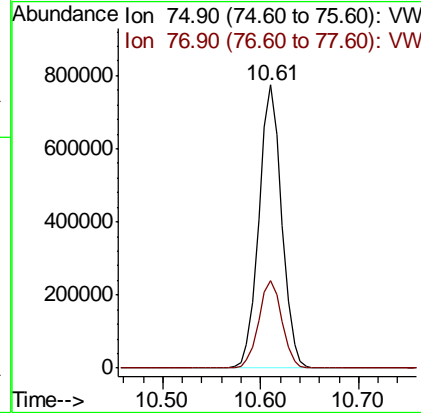
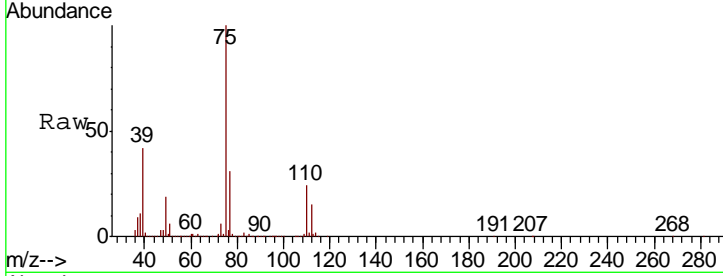
#53  
 t-1,3-Dichloropropene  
 Concen: 110.12 ug/l  
 RT: 10.61 min Scan# 1480  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDIC100

Tgt Ion: 75 Resp: 1246691

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.1	37.7

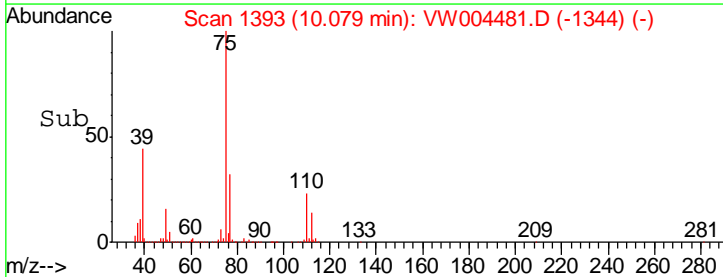
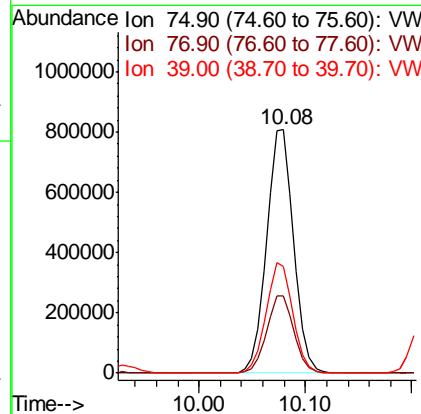
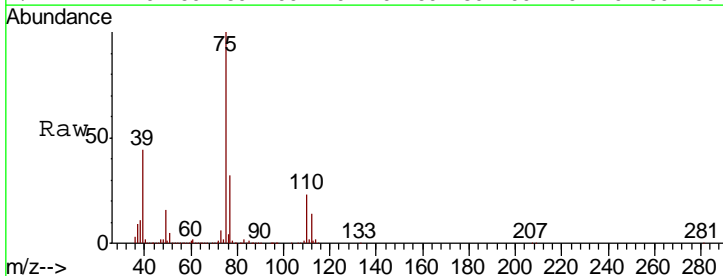
**Manual Integrations**  
**APPROVED**  
 apatel  
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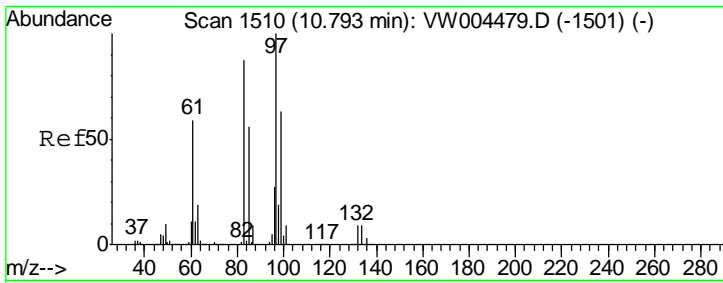


#54  
 cis-1,3-Dichloropropene  
 Concen: 108.55 ug/l  
 RT: 10.08 min Scan# 1393  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion: 75 Resp: 1433845

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.3	37.9
39	43.6	34.5	51.7





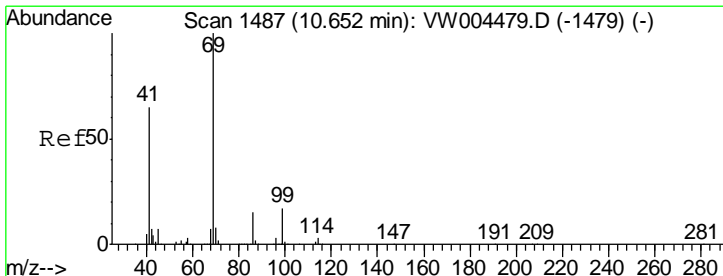
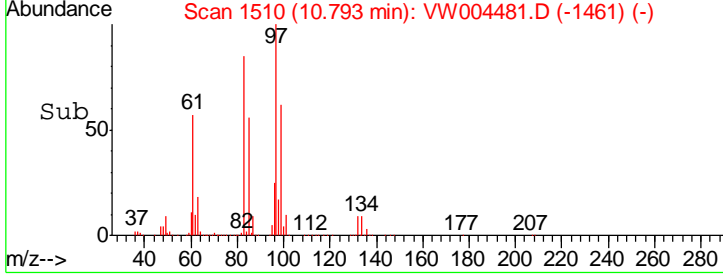
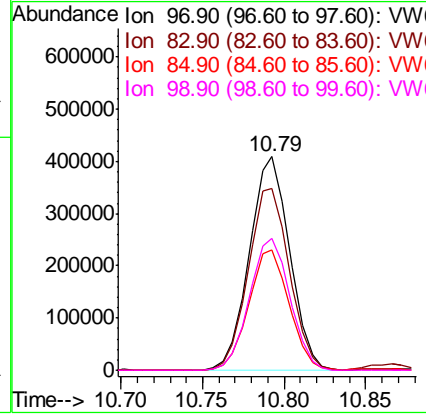
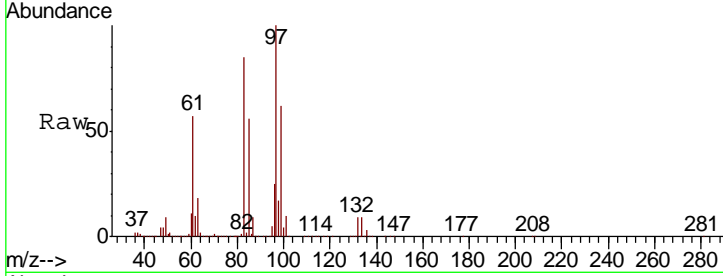
#55  
 1,1,2-Trichloroethane  
 Concen: 109.24 ug/l  
 RT: 10.79 min Scan# 1510  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
97	100		
83	85.3	69.8	104.8
85	56.2	45.1	67.7
99	61.6	50.3	75.5

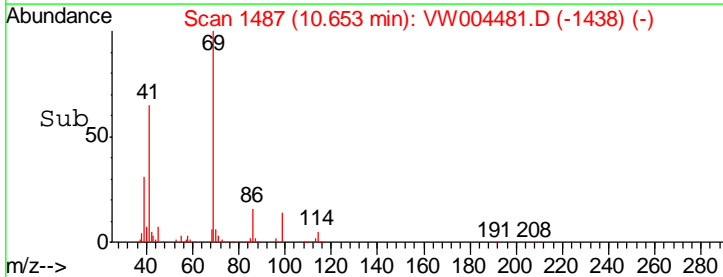
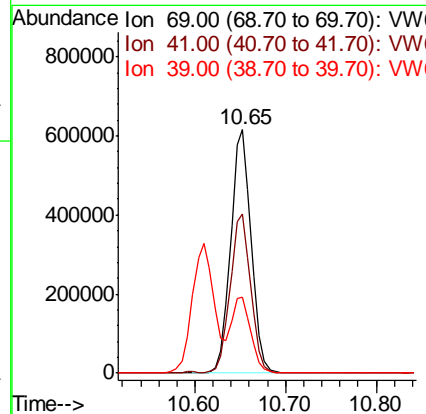
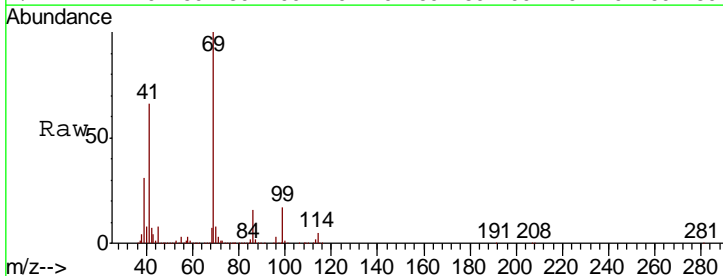
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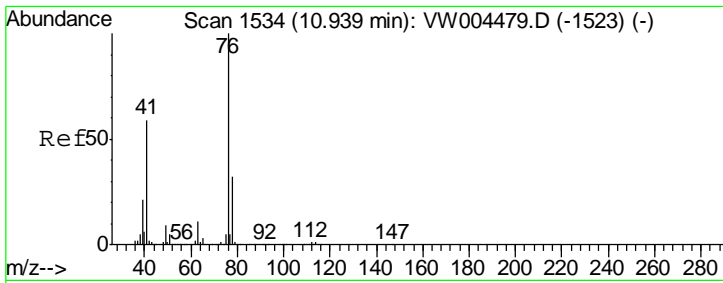


#56  
 Ethyl methacrylate  
 Concen: 125.02 ug/l  
 RT: 10.65 min Scan# 1487  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
69	100		
41	65.3	52.4	78.6
39	28.6	22.7	34.1





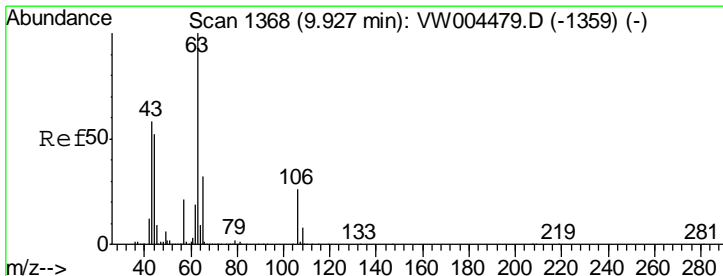
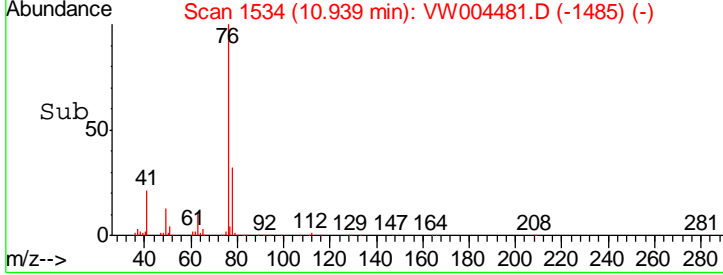
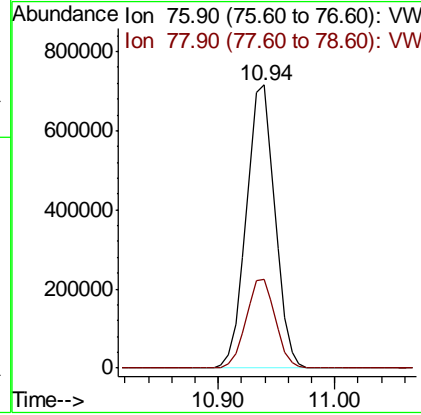
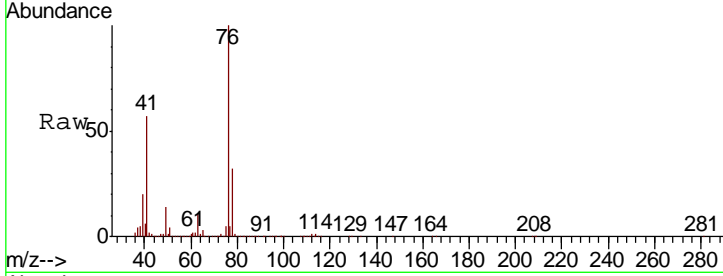


#57  
 1,3-Dichloropropane  
 Concen: 112.49 ug/l  
 RT: 10.94 min Scan# 1534  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
76	1233011		
76	100		
78	32.0	25.7	38.5

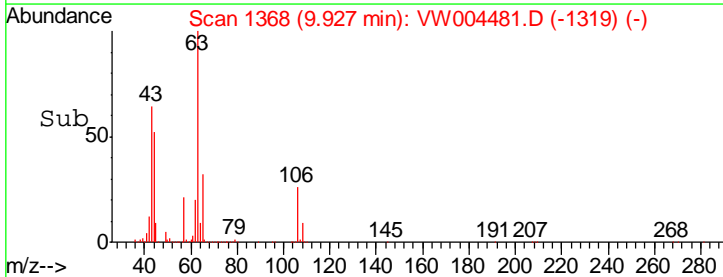
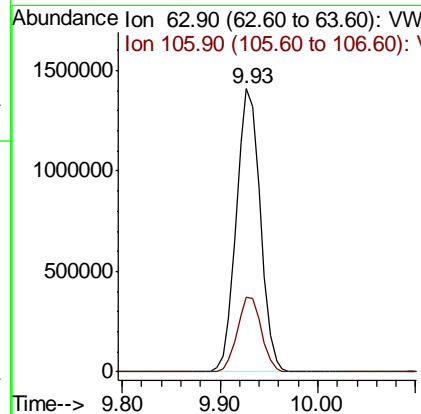
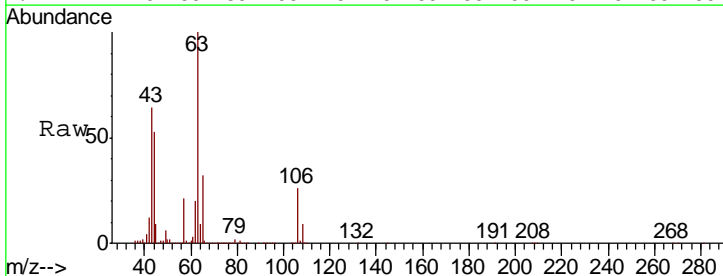
**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDIC100

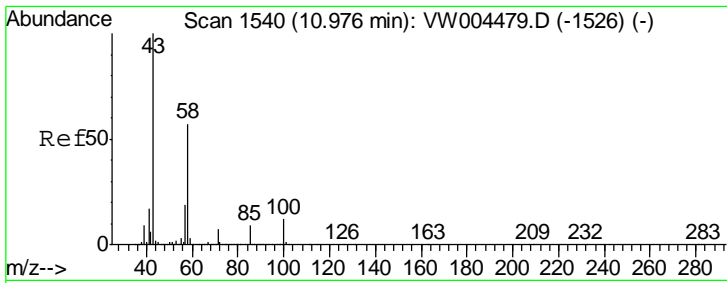
**Manual Integrations**  
**APPROVED**  
 apatel  
 8/7/2018 4:49:12 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 670.30 ug/l  
 RT: 9.93 min Scan# 1368  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
63	2391143		
63	100		
106	26.6	21.3	31.9



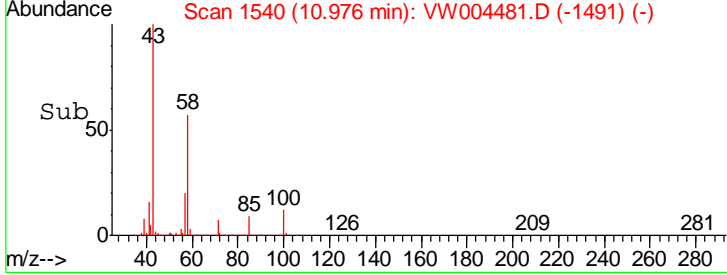
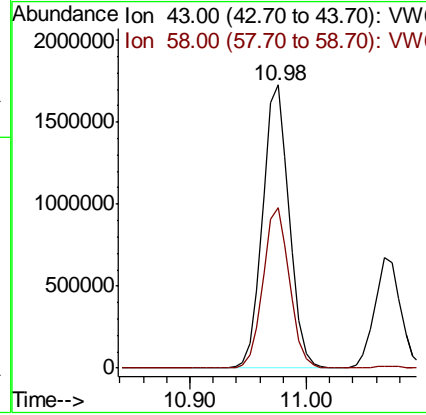
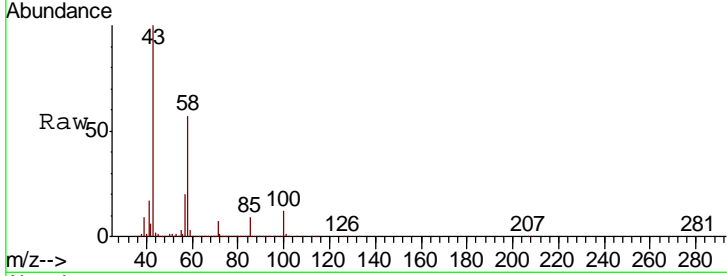


#59  
 2-Hexanone  
 Concen: 735.76 ug/l  
 RT: 10.98 min Scan# 1540  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDIC100

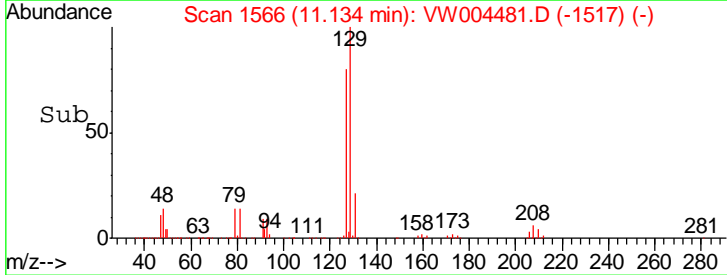
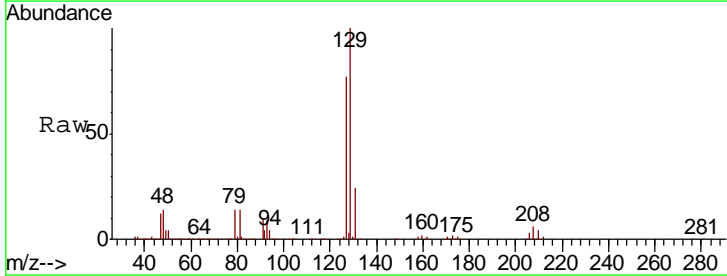
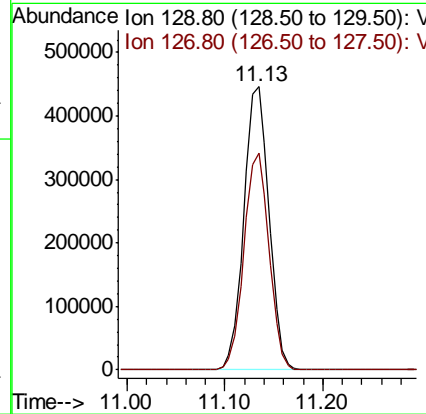
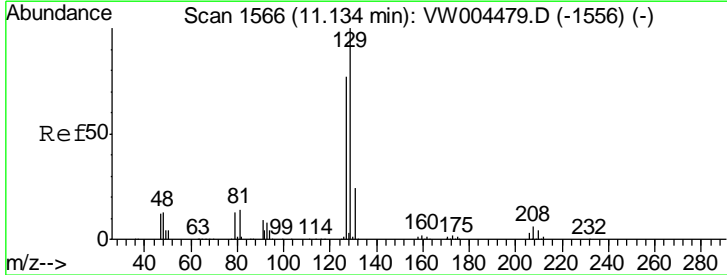
Tgt Ion	Resp	Lower	Upper
43	100		
58	56.5	27.9	83.6

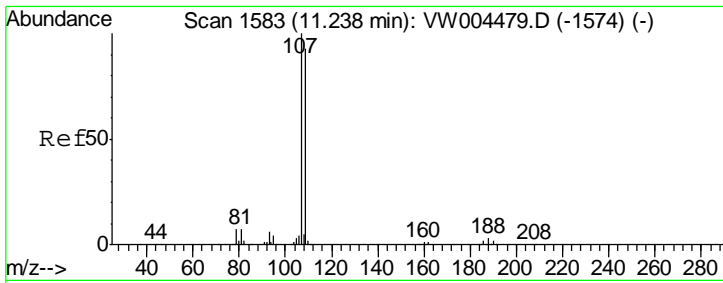
Manual Integrations  
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#60  
 Dibromochloromethane  
 Concen: 104.18 ug/l  
 RT: 11.13 min Scan# 1566  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
129	100		
127	76.7	38.6	115.8



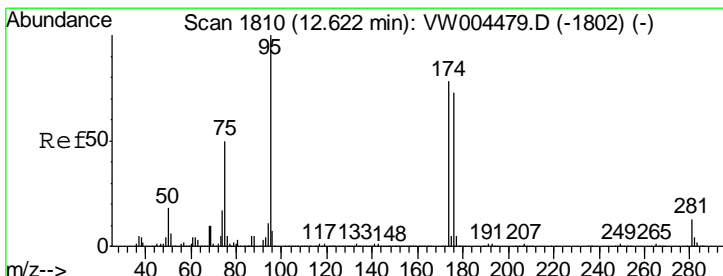
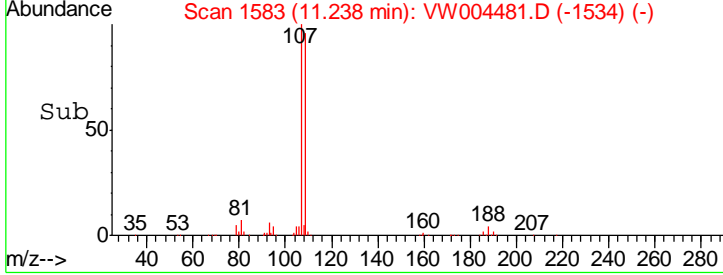
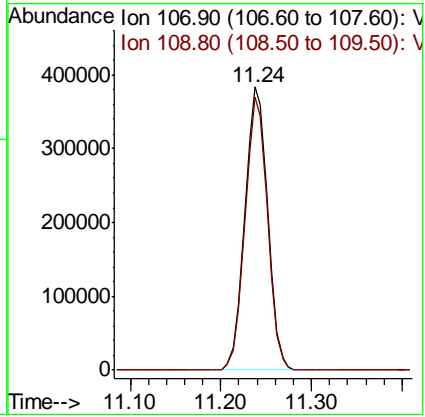
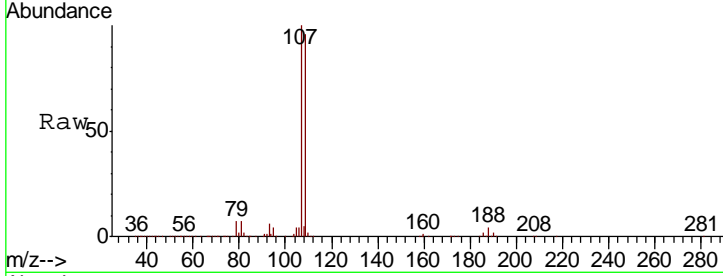


#61  
 1,2-Dibromoethane  
 Concen: 108.72 ug/l  
 RT: 11.24 min Scan# 1583  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDIC100

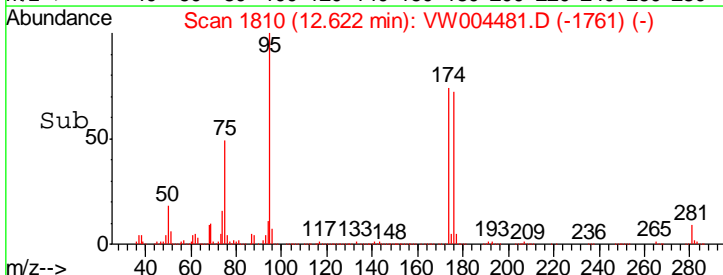
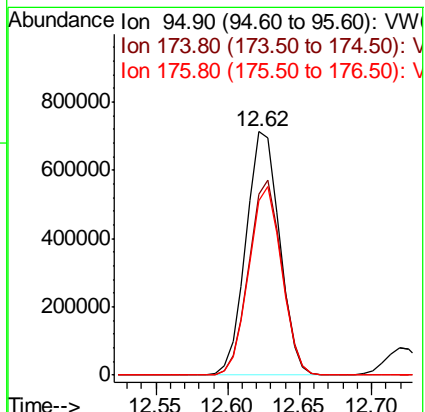
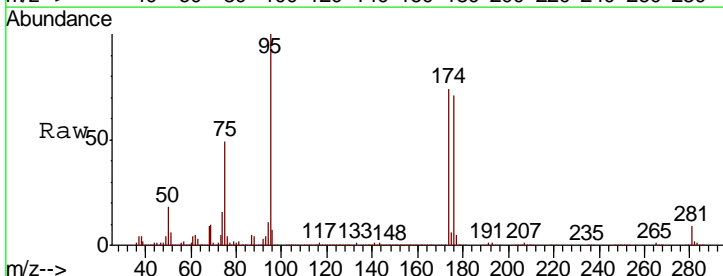
Tgt Ion	Resp	Lower	Upper
107	100		
109	95.1	75.7	113.5

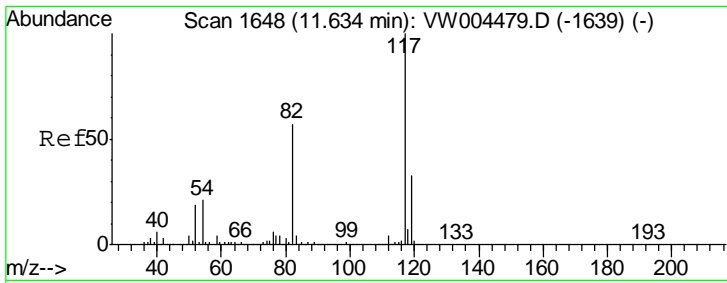
Manual Integrations  
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#62  
 4-Bromofluorobenzene  
 Concen: 103.85 ug/l  
 RT: 12.62 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
95	100		
174	78.7	0.0	160.4
176	76.0	0.0	153.2





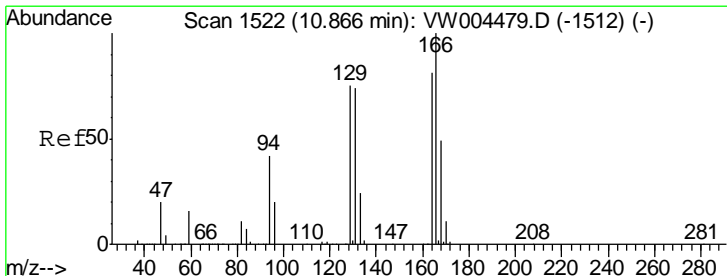
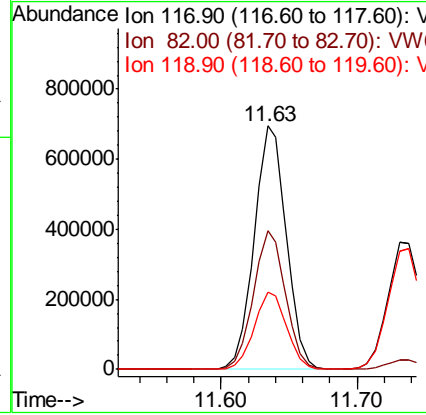
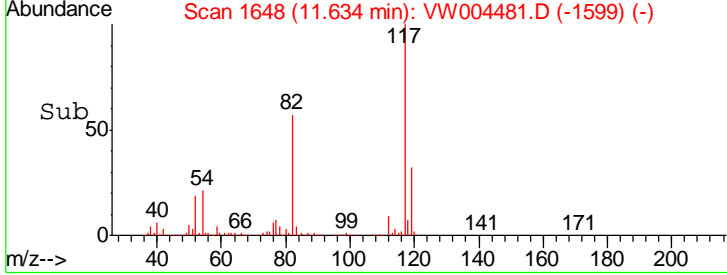
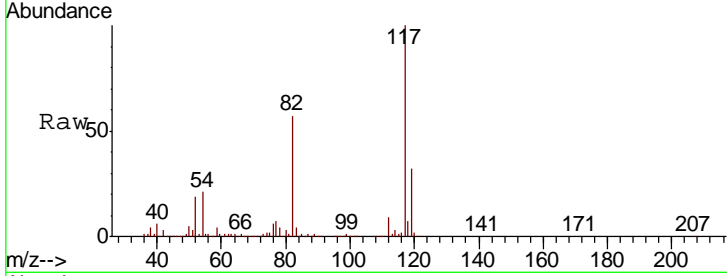
#63  
 Chlorobenzene-d5  
 Concen: 50.00 ug/l  
 RT: 11.63 min Scan# 1648  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDIC100

Tgt Ion:117 Resp: 1148242

Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.3	67.9
119	31.9	26.2	39.4

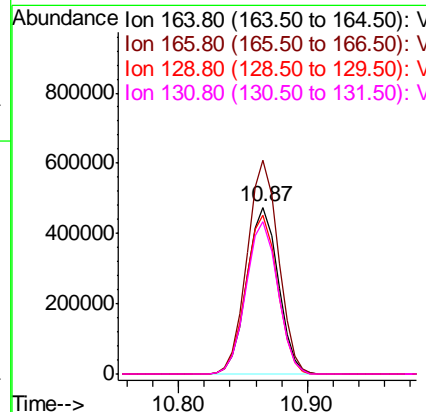
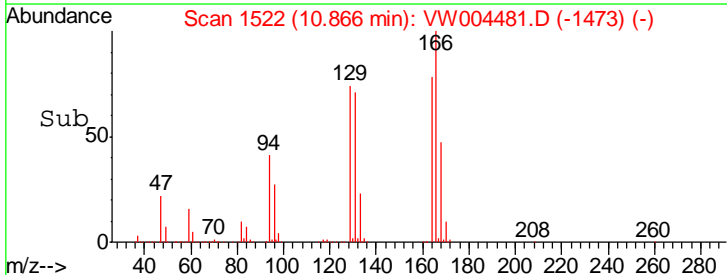
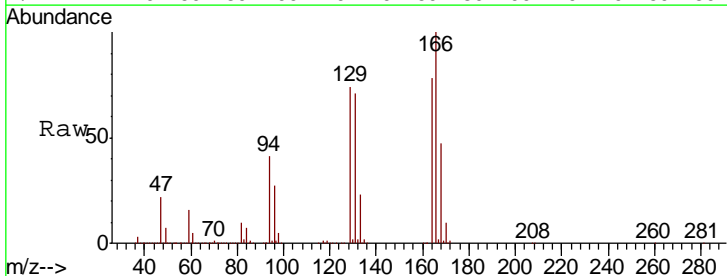
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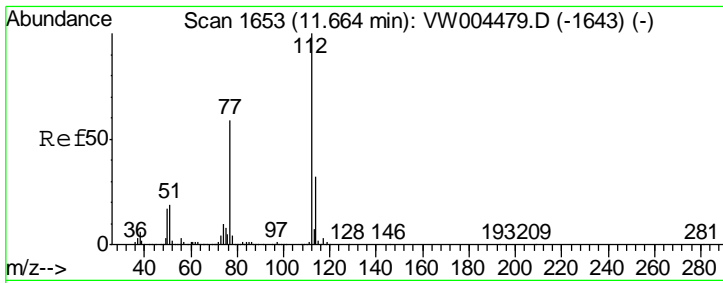


#64  
 Tetrachloroethene  
 Concen: 95.70 ug/l  
 RT: 10.87 min Scan# 1522  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion:164 Resp: 799586

Ion	Ratio	Lower	Upper
164	100		
166	128.1	98.4	147.6
129	95.3	73.6	110.4
131	91.3	73.1	109.7





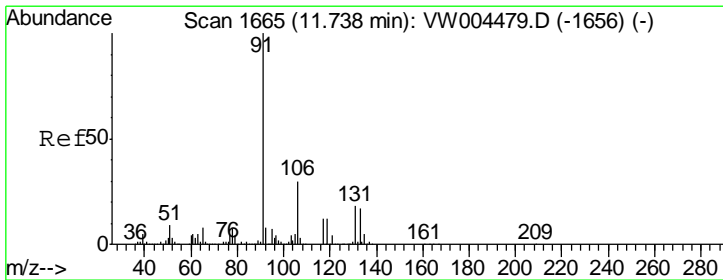
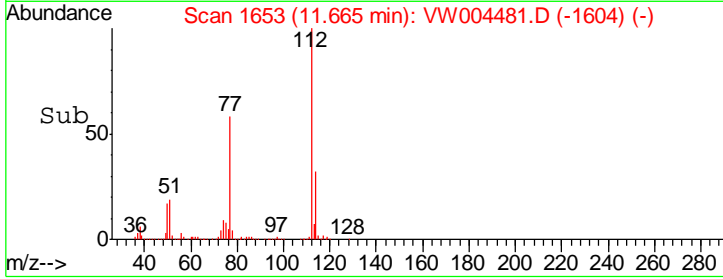
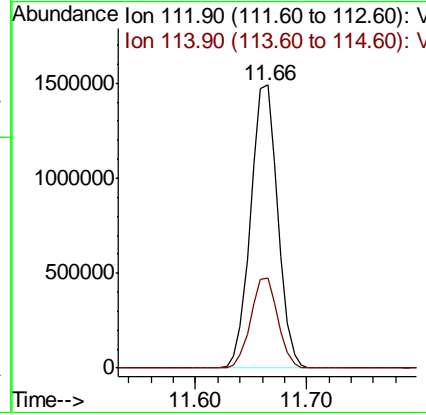
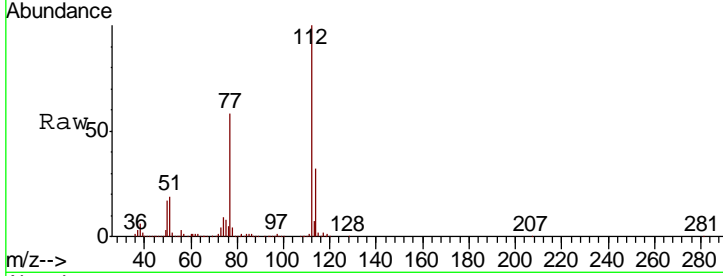
#65  
 Chlorobenzene  
 Concen: 104.56 ug/l  
 RT: 11.66 min Scan# 1653  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
112	100		
114	31.8	26.0	39.0

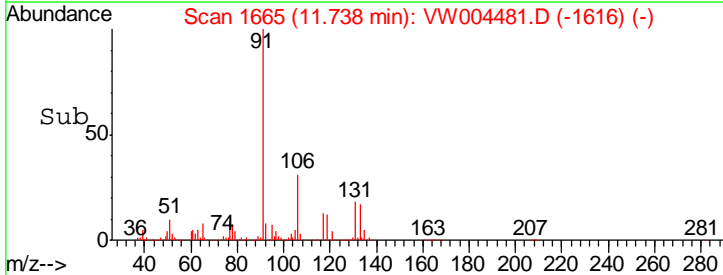
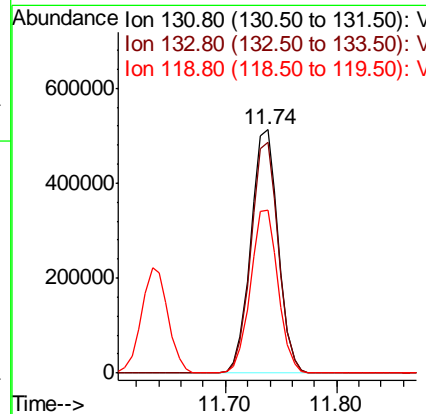
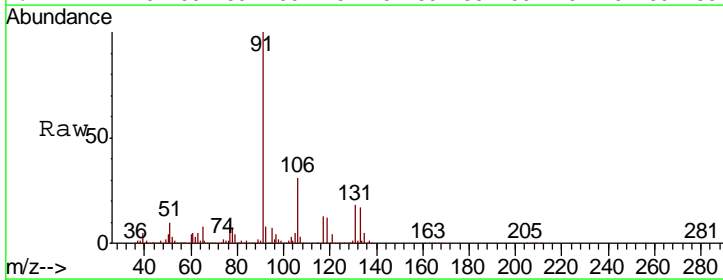
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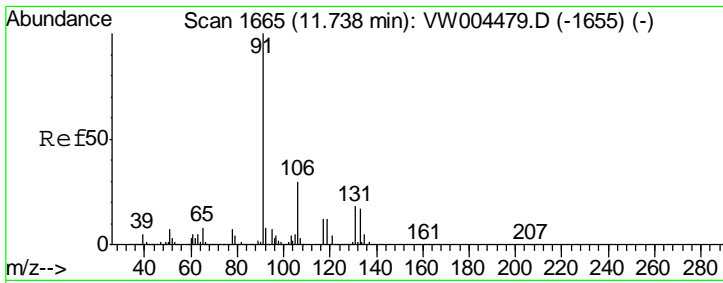
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#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 102.48 ug/l  
 RT: 11.74 min Scan# 1665  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
131	100		
133	94.9	48.1	144.4
119	67.2	33.9	101.7



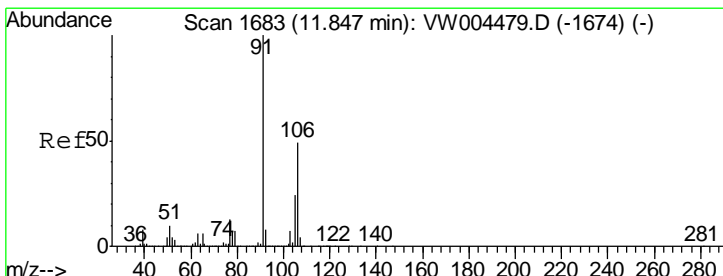
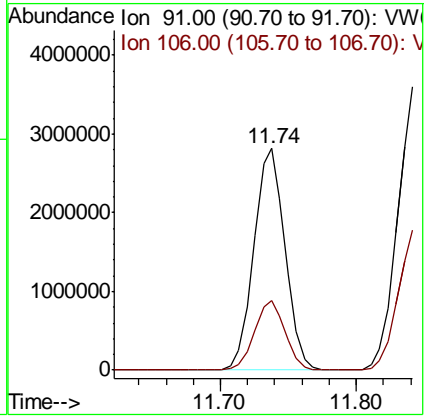
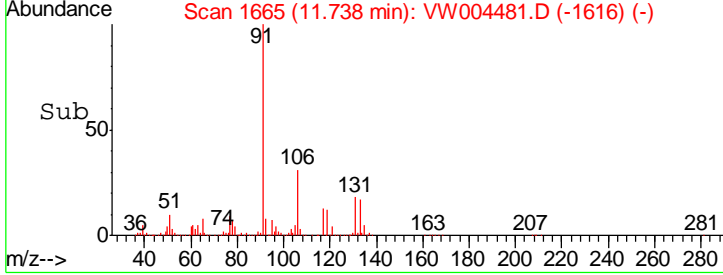
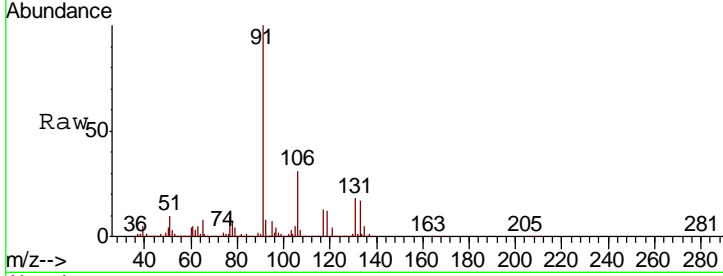


#67  
 Ethyl Benzene  
 Concen: 106.78 ug/l  
 RT: 11.74 min Scan# 1665  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDIC100

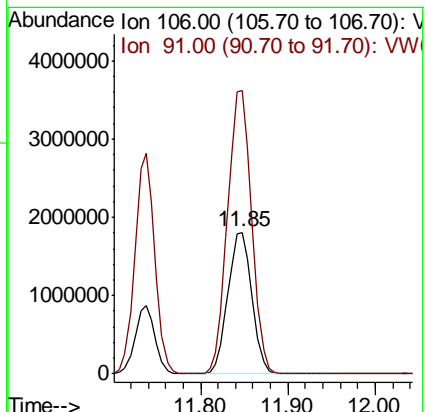
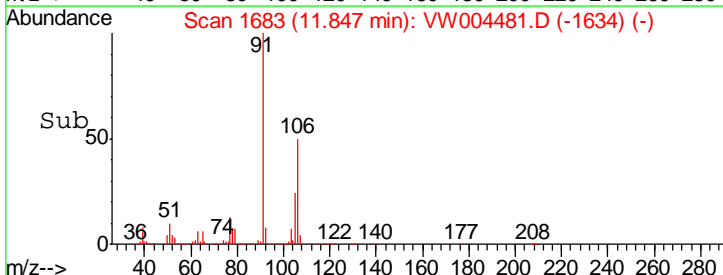
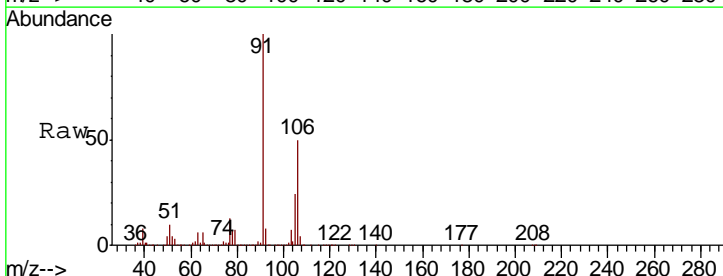
Tgt Ion: 91 Resp: 4519485  
 Ion Ratio Lower Upper  
 91 100  
 106 31.2 24.2 36.2

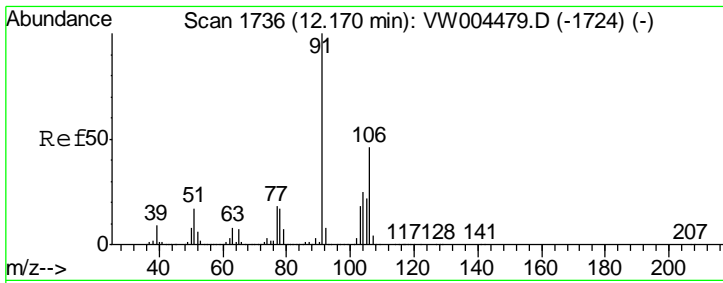
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#68  
 m/p-Xylenes  
 Concen: 212.61 ug/l  
 RT: 11.85 min Scan# 1683  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion: 106 Resp: 3453127  
 Ion Ratio Lower Upper  
 106 100  
 91 200.5 162.8 244.2



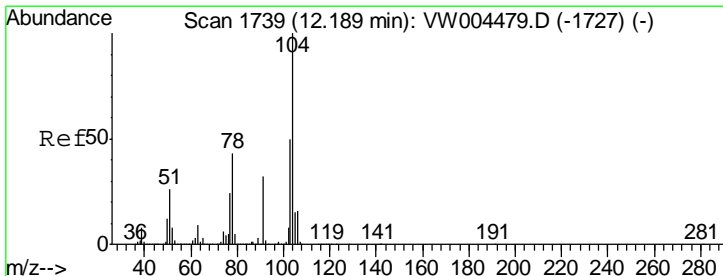
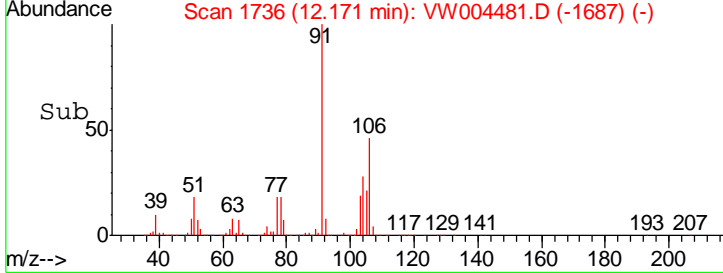
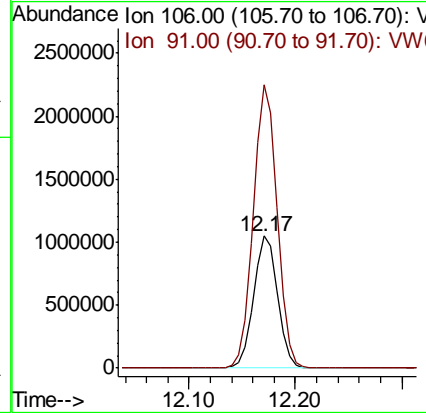
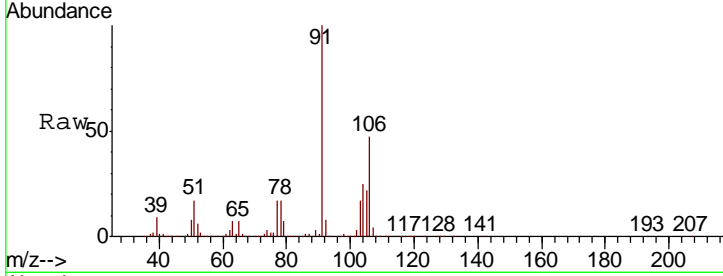


#69  
 o-Xylene  
 Concen: 110.16 ug/l  
 RT: 12.17 min Scan# 1736  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDIC100

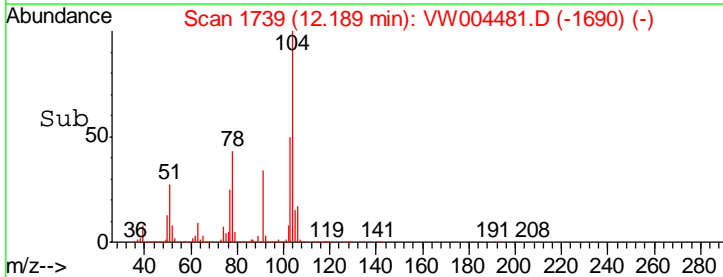
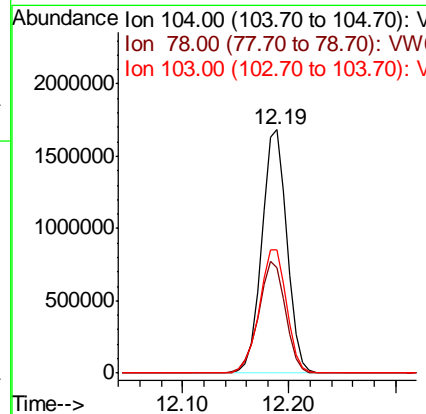
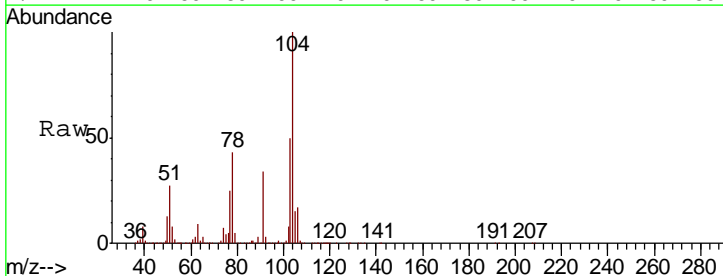
Tgt Ion:106 Resp: 1654459  
 Ion Ratio Lower Upper  
 106 100  
 91 213.6 106.7 320.2

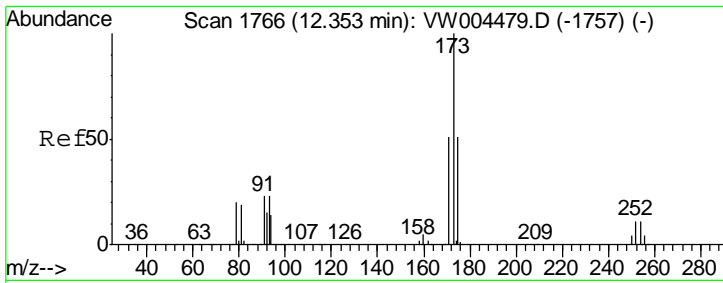
**Manual Integrations**  
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#70  
 Styrene  
 Concen: 109.28 ug/l  
 RT: 12.19 min Scan# 1739  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion:104 Resp: 2783607  
 Ion Ratio Lower Upper  
 104 100  
 78 49.2 39.0 58.4  
 103 55.1 44.2 66.2





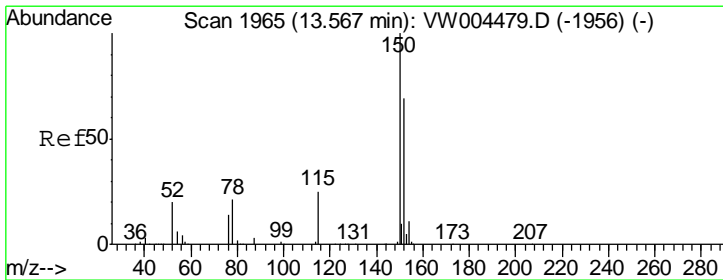
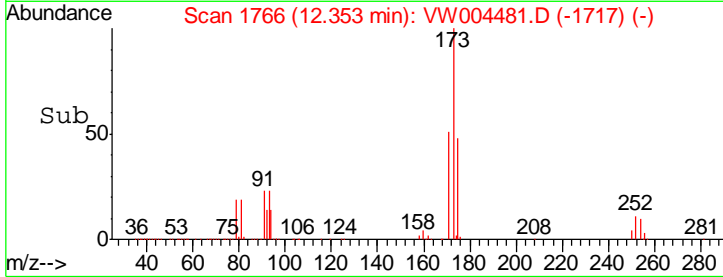
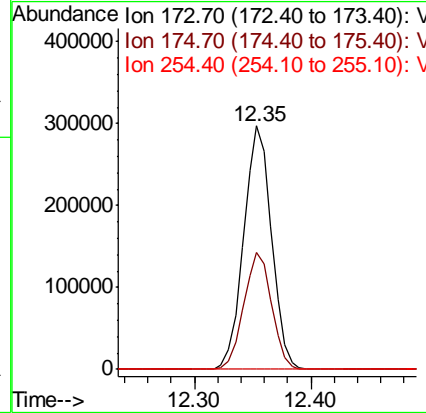
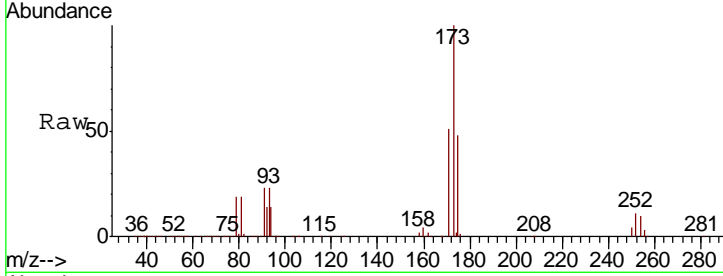
#71  
 Bromoform  
 Concen: 103.51 ug/l  
 RT: 12.35 min Scan# 1766  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
173	494173		
175	48.2	24.5	73.5
254	0.1	0.2	0.2#

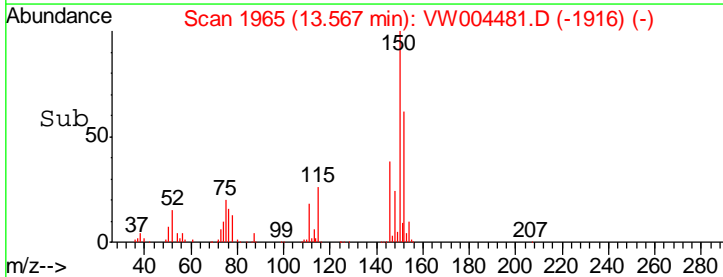
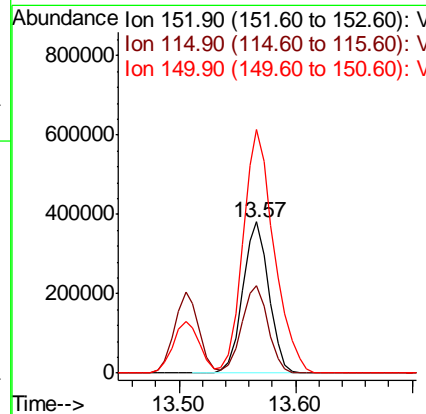
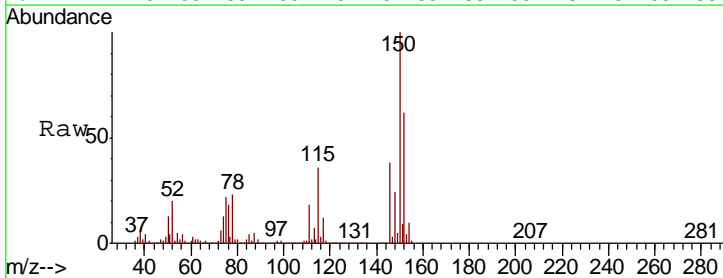
**Manual Integrations**  
**APPROVED**

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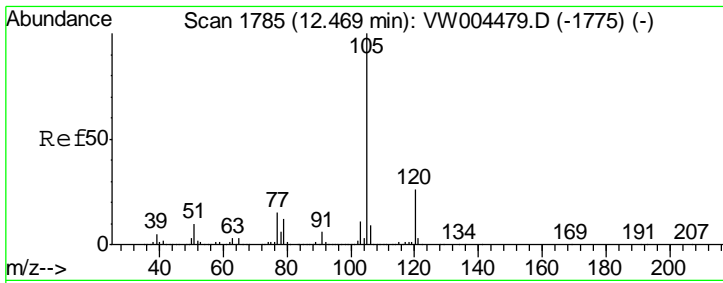


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.57 min Scan# 1965  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
152	593936		
115	58.1	29.1	87.3
150	190.9	0.0	349.6





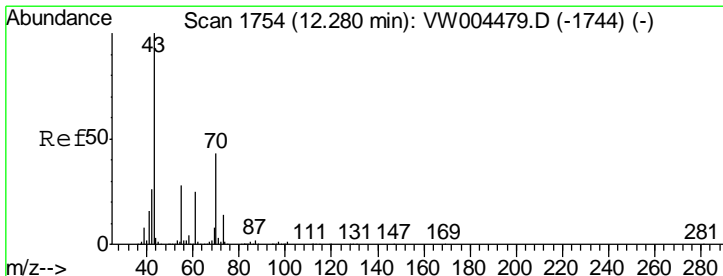
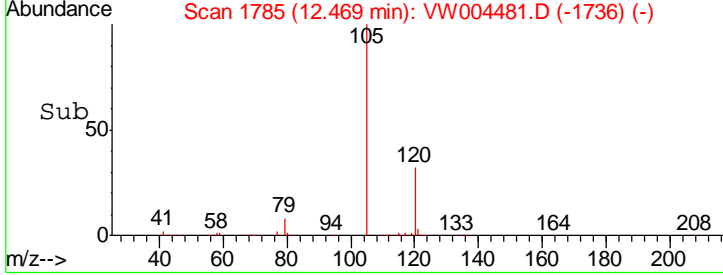
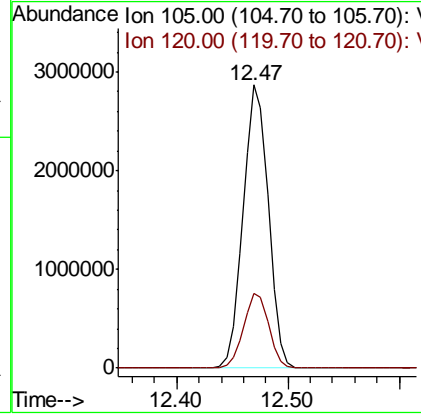
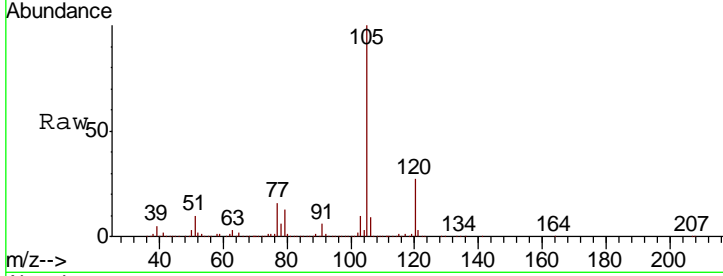


#73  
 Isopropylbenzene  
 Concen: 108.27 ug/l  
 RT: 12.47 min Scan# 1785  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Instrument : MSVOA\_W  
 Client Sampled : VSTDIC100

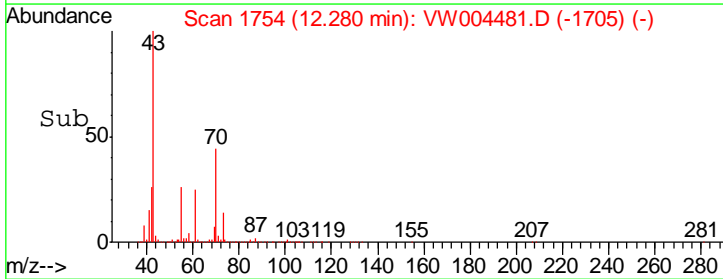
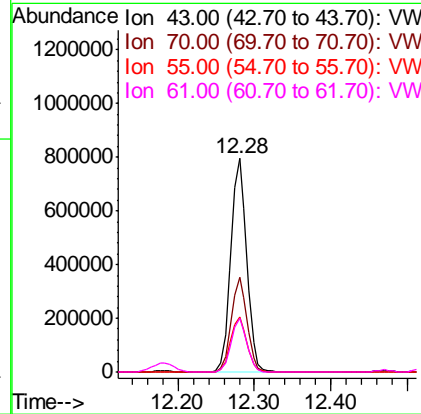
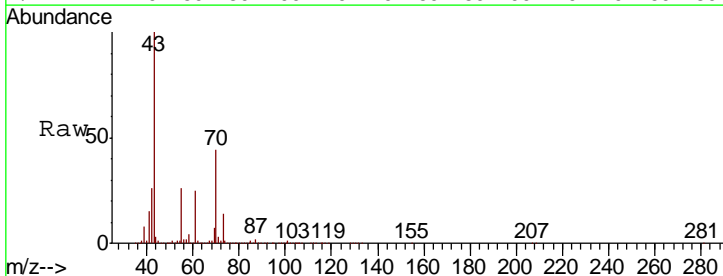
Tgt Ion	Resp	Lower	Upper
105	100		
120	26.5	13.2	39.6

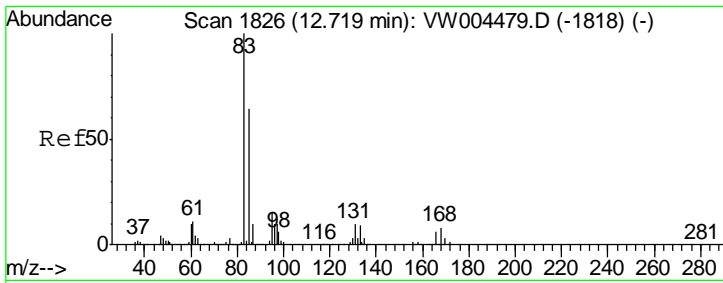
Manual Integrations  
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#74  
 N-ethyl acetate  
 Concen: 125.35 ug/l  
 RT: 12.28 min Scan# 1754  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
43	100		
70	43.8	35.3	52.9
55	26.5	22.9	34.3
61	24.7	19.7	29.5





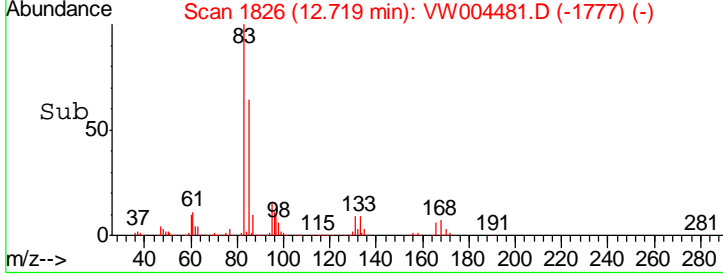
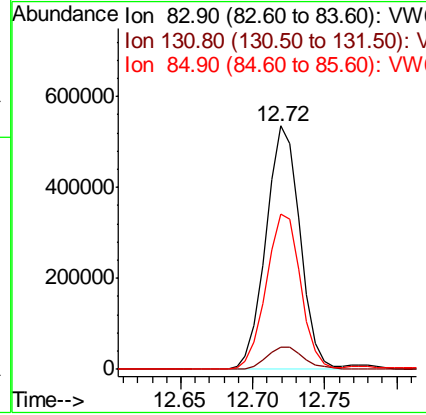
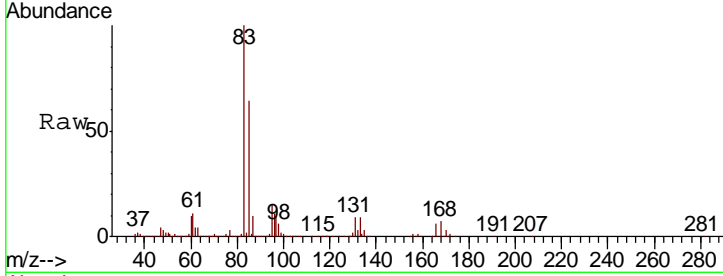
#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 117.75 ug/l  
 RT: 12.72 min Scan# 1826  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

**Instrument :**  
 MSVOA\_W  
**Client Sampled :**  
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	100		
131	10.2	5.0	15.0
85	64.7	31.8	95.4

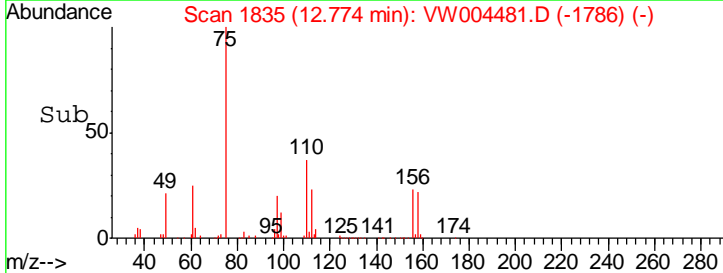
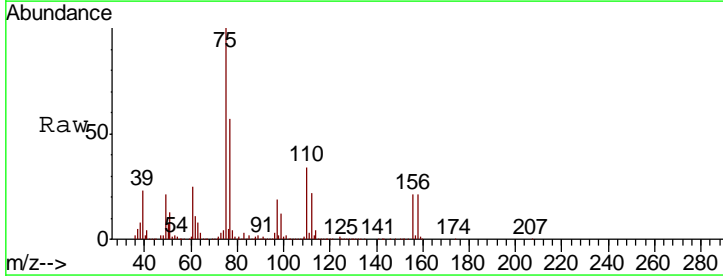
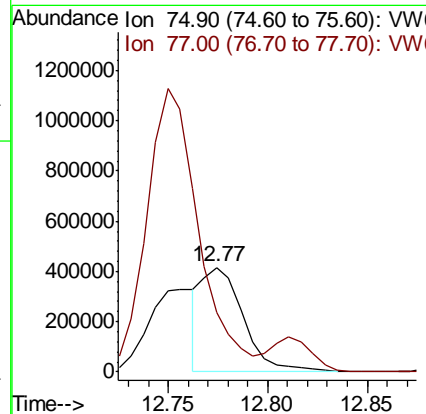
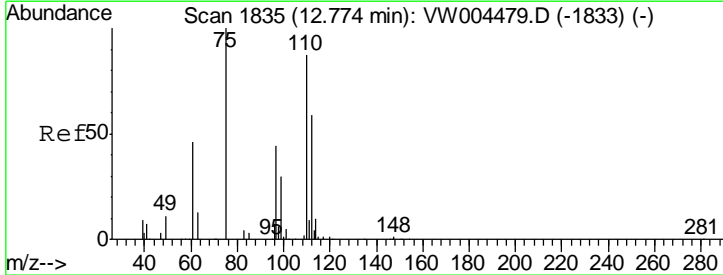
**Manual Integrations**  
**APPROVED**

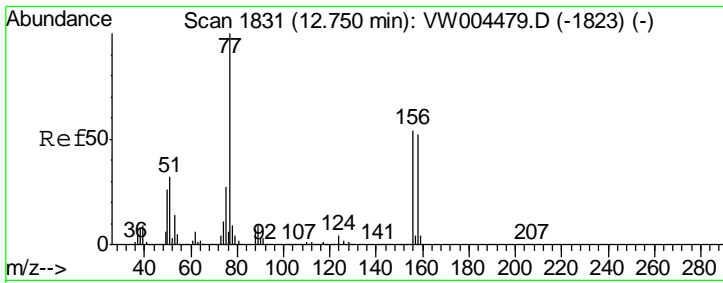
apatel  
 8/7/2018 4:49:12 PM



#76  
 1,2,3-Trichloropropane  
 Concen: 113.63 ug/l m  
 RT: 12.77 min Scan# 1835  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0



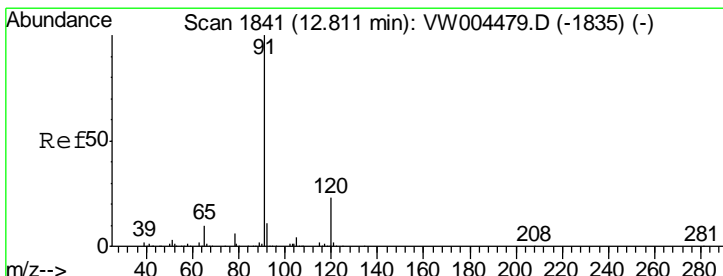
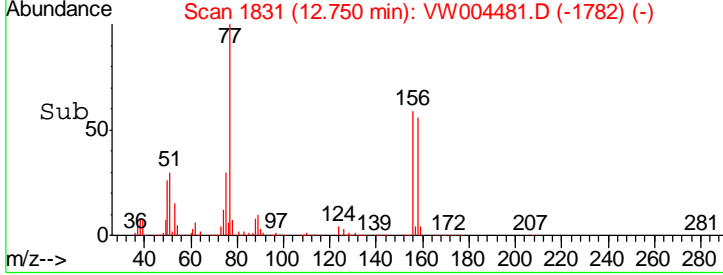
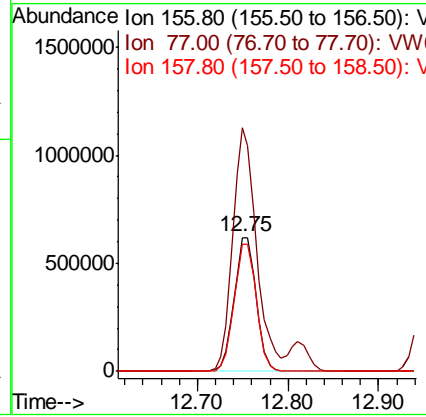
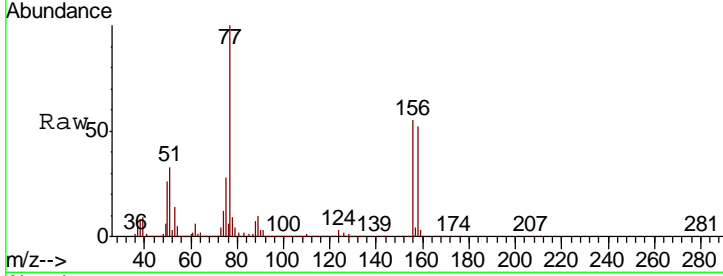


#77  
 Bromobenzene  
 Concen: 103.68 ug/l  
 RT: 12.75 min Scan# 1831  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Instrument : MSVOA\_W  
 Client Sampled : VSTDIC100

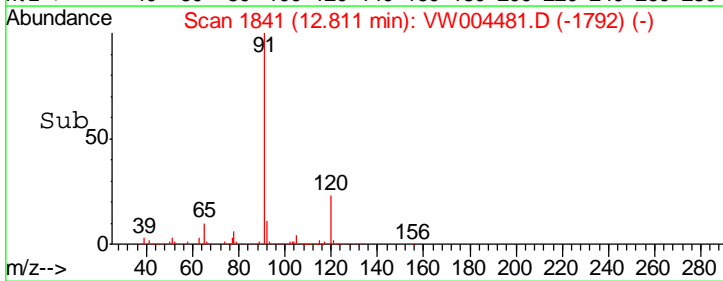
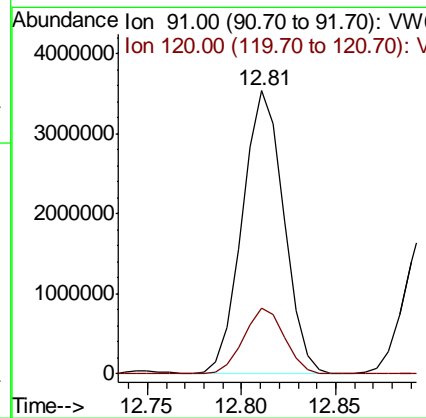
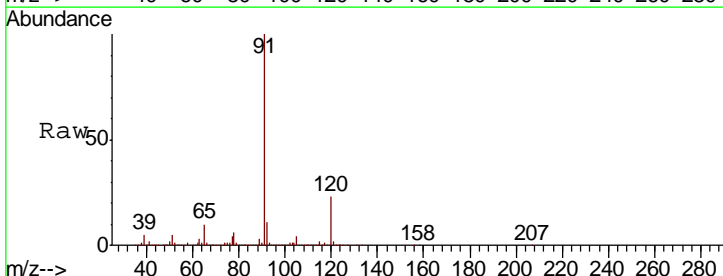
Tgt Ion	Resp	Lower	Upper
156	1033502		
77	197.5	98.7	296.1
158	96.7	48.7	146.1

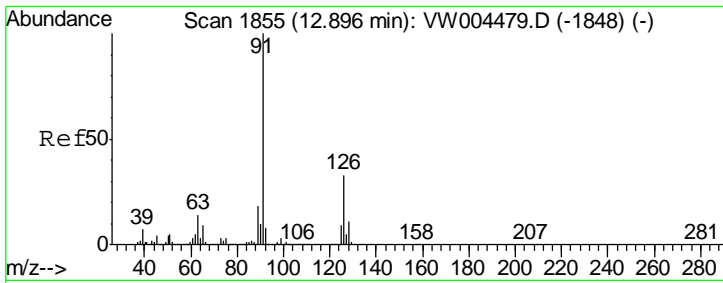
Manual Integrations  
**APPROVED**  
 apatel  
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#78  
 n-propylbenzene  
 Concen: 107.37 ug/l  
 RT: 12.81 min Scan# 1841  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
91	5407805		
120	22.8	11.3	33.9





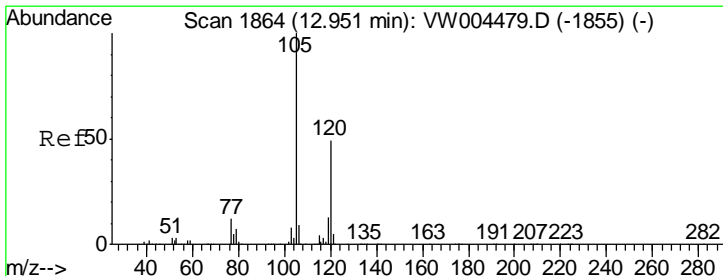
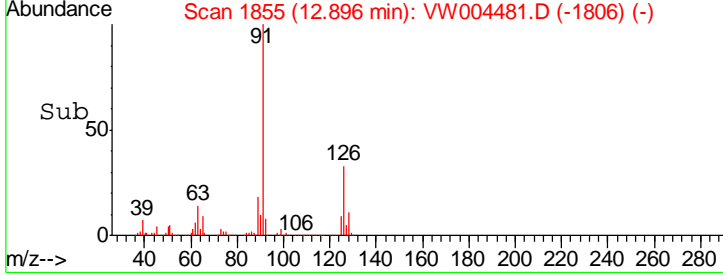
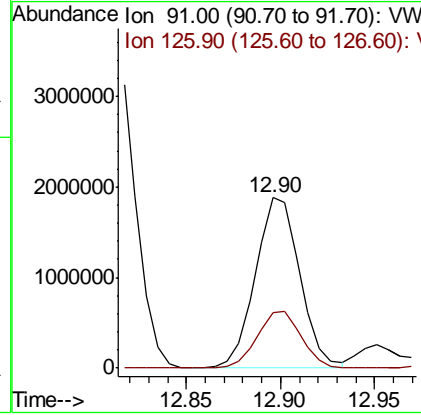
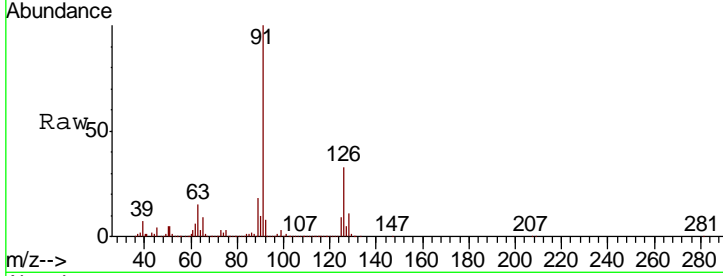
#79  
 2-Chlorotoluene  
 Concen: 106.76 ug/l  
 RT: 12.90 min Scan# 1855  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDIC100

Tgt Ion: 91 Resp: 3080912

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.8

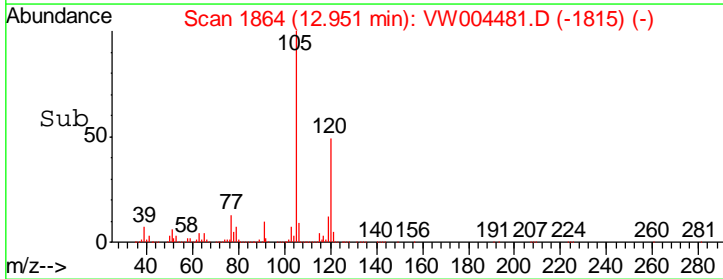
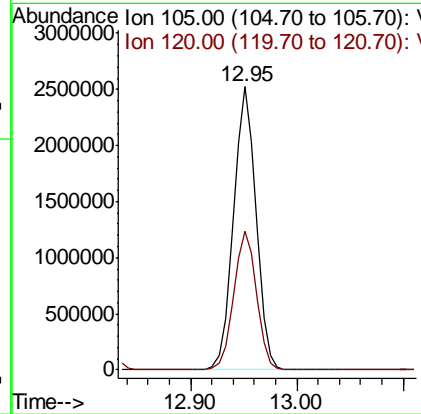
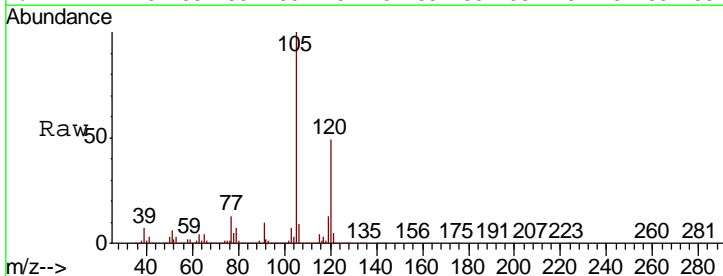
Manual Integrations  
**APPROVED**  
 apatel  
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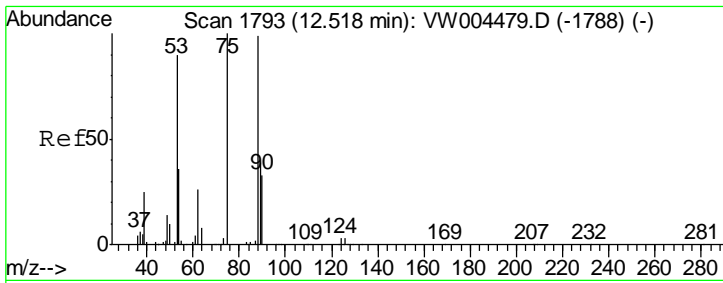


#80  
 1,3,5-Trimethylbenzene  
 Concen: 105.02 ug/l  
 RT: 12.95 min Scan# 1864  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion: 105 Resp: 3746167

Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.6	73.8





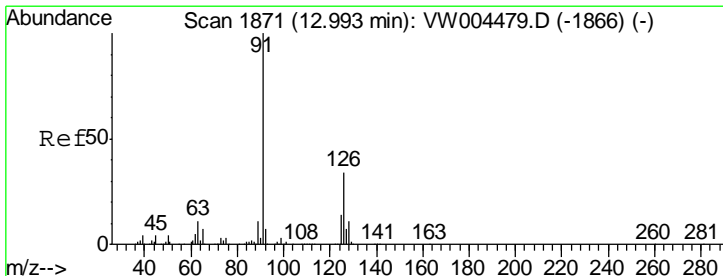
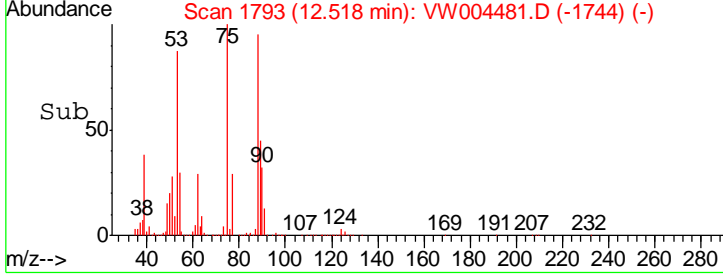
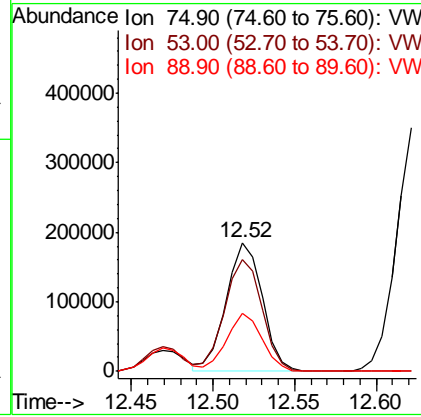
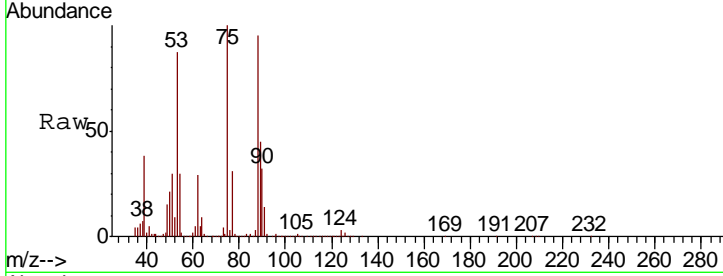
#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 120.97 ug/l  
 RT: 12.52 min Scan# 1793  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Instrument : MSVOA\_W  
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
75	286305		
75	100		
53	89.5	74.4	111.6
89	43.5	35.9	53.9

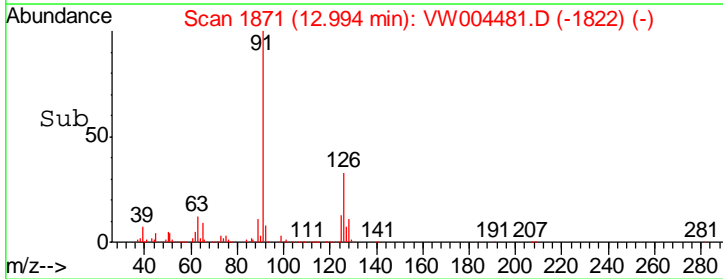
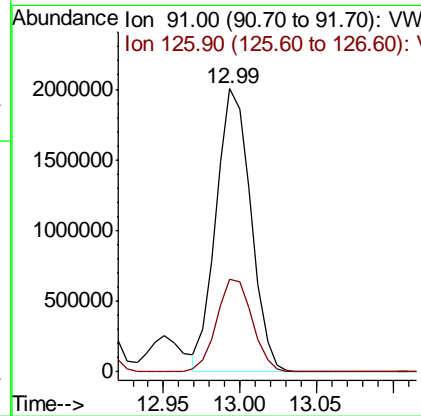
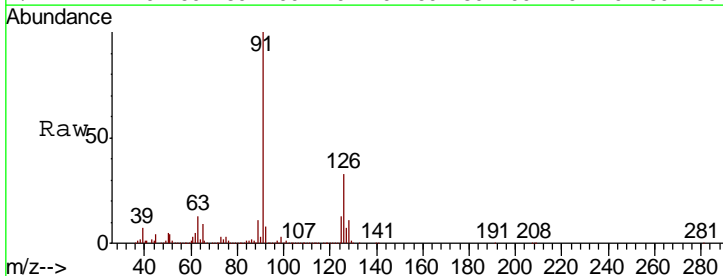
Manual Integrations  
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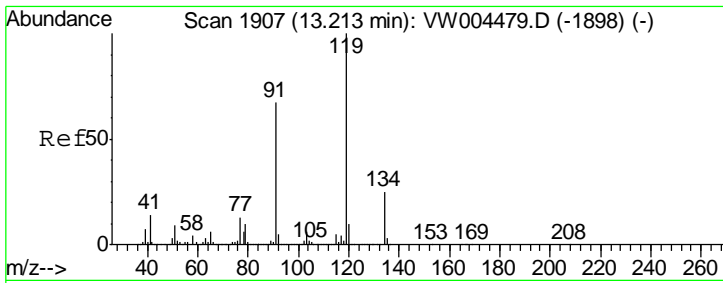
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#82  
 4-Chlorotoluene  
 Concen: 103.06 ug/l  
 RT: 12.99 min Scan# 1871  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
91	3164600		
91	100		
126	33.6	16.5	49.5





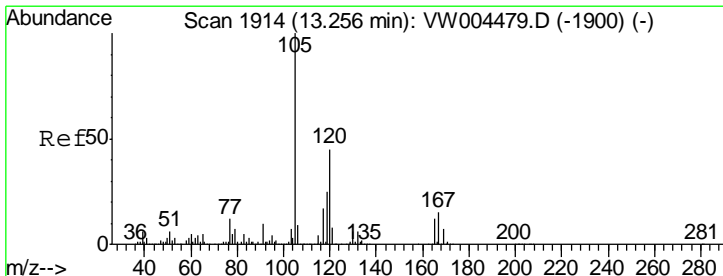
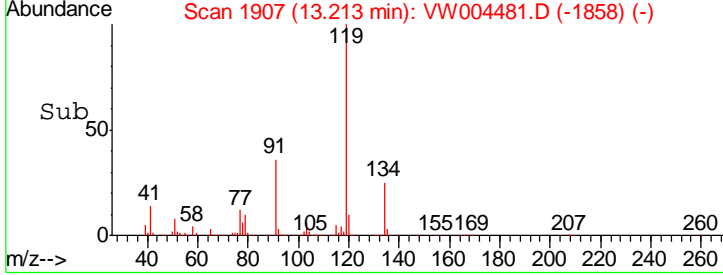
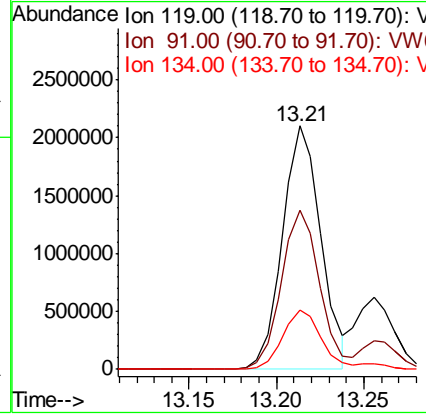
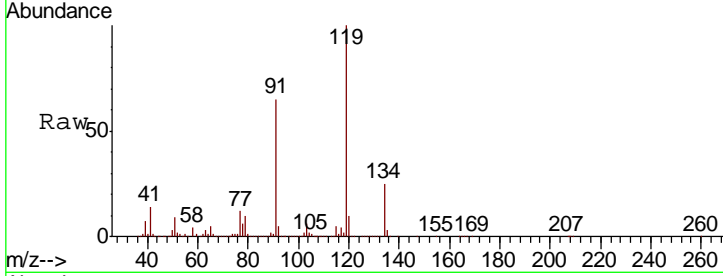
#83  
 tert-Butylbenzene  
 Concen: 108.50 ug/l  
 RT: 13.21 min Scan# 1907  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
119	3218692		
91	65.9	33.3	99.8
134	26.2	12.2	36.6

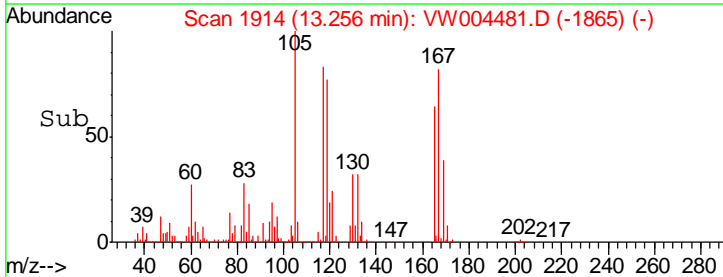
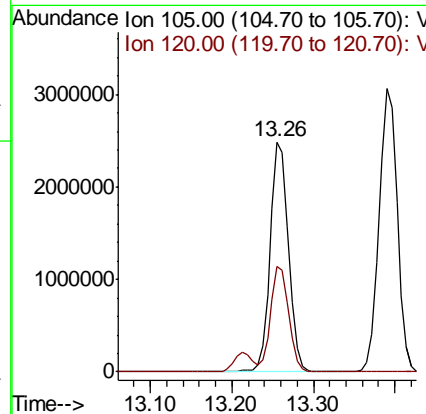
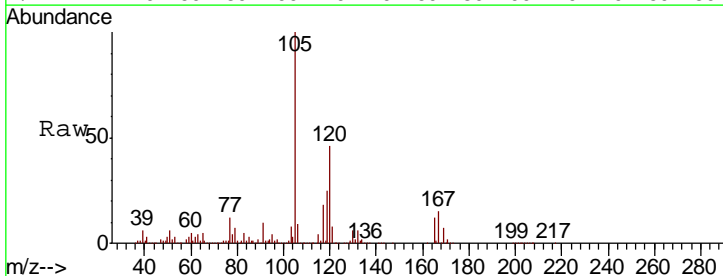
Manual Integrations  
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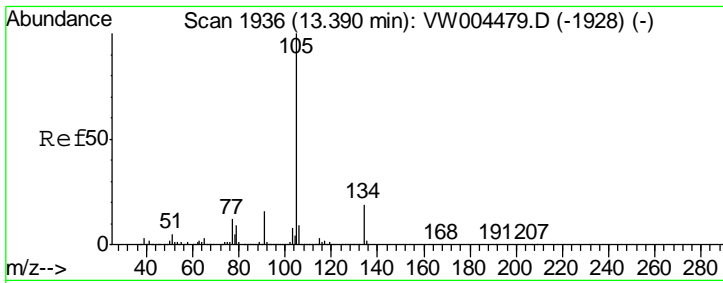
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 105.77 ug/l  
 RT: 13.26 min Scan# 1914  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
105	3856884		
120	45.2	22.6	67.8





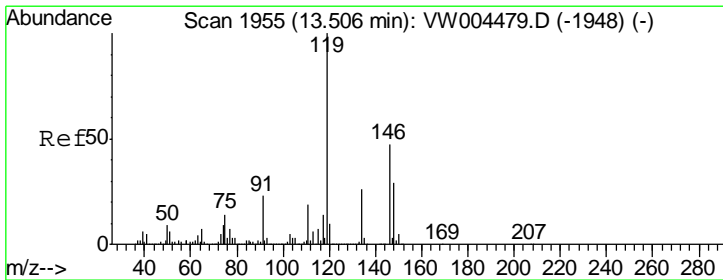
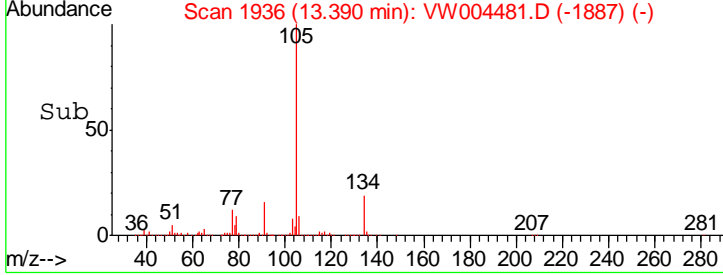
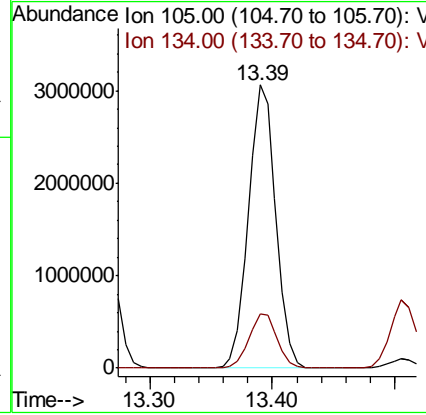
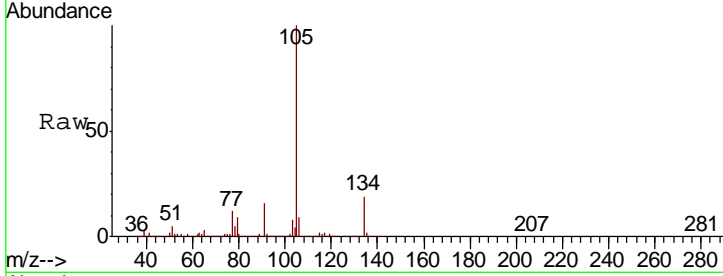
#85  
 sec-Butylbenzene  
 Concen: 109.00 ug/l  
 RT: 13.39 min Scan# 1936  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDIC100

Tgt Ion:105 Resp: 4729080

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5

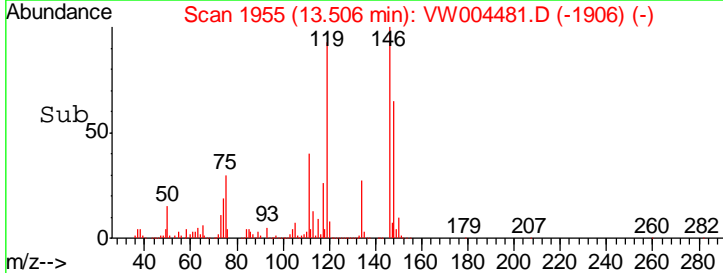
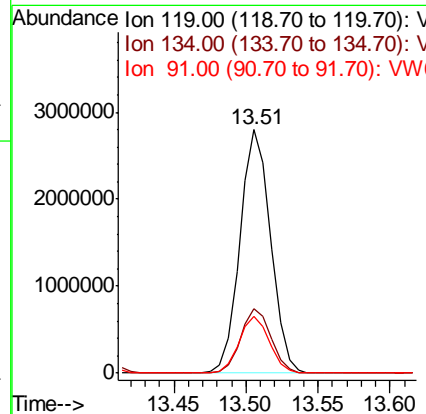
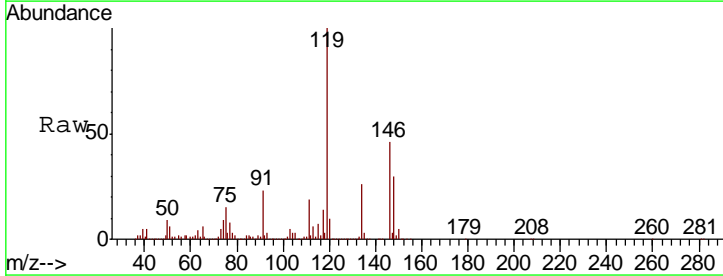
Manual Integrations  
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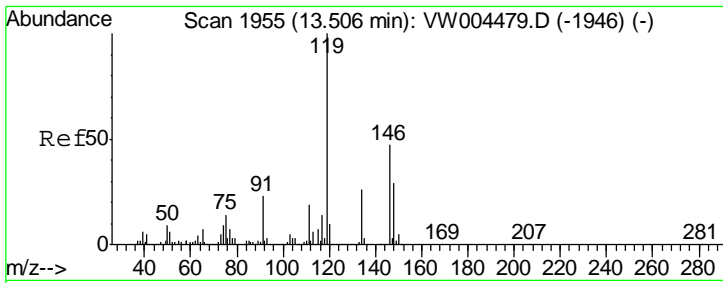


#86  
 p-Isopropyltoluene  
 Concen: 106.15 ug/l  
 RT: 13.51 min Scan# 1955  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion:119 Resp: 4123357

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	22.9	11.4	34.1



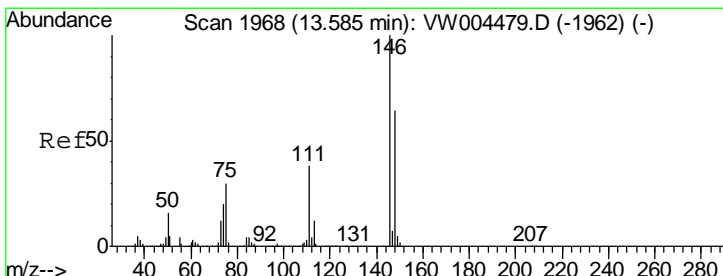
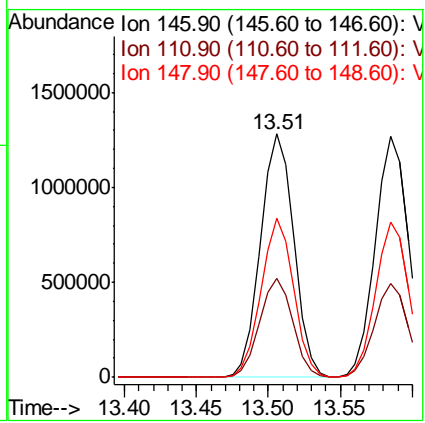
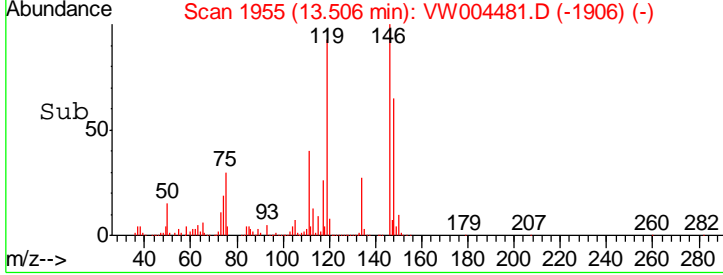
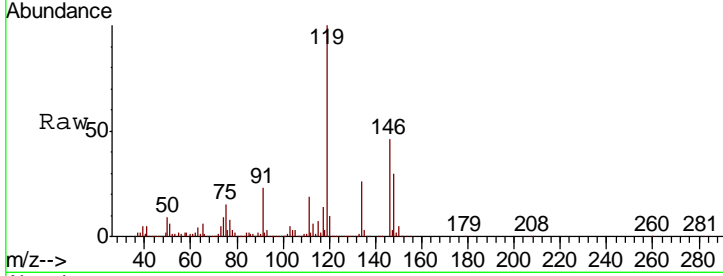


#87  
 1,3-Dichlorobenzene  
 Concen: 102.06 ug/l  
 RT: 13.51 min Scan# 1955  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDIC100

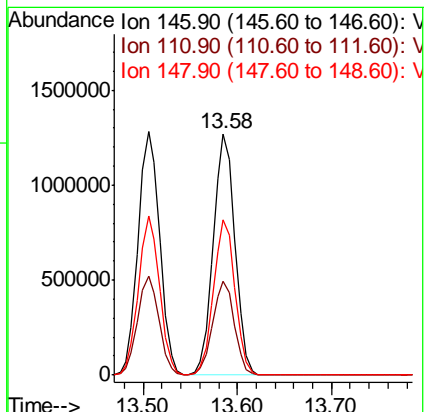
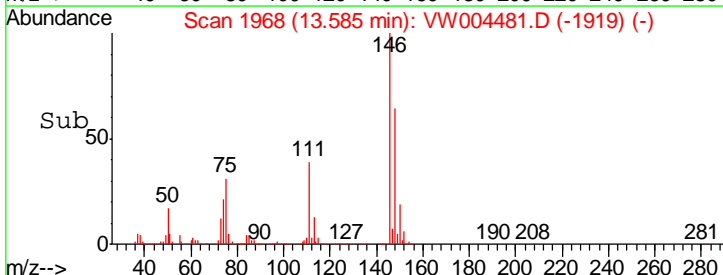
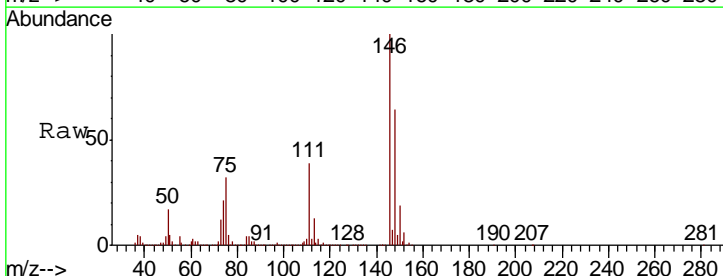
Tgt Ion	Resp	Lower	Upper
146	2047646		
146	100		
111	40.2	20.0	59.9
148	63.7	31.7	95.1

Manual Integrations  
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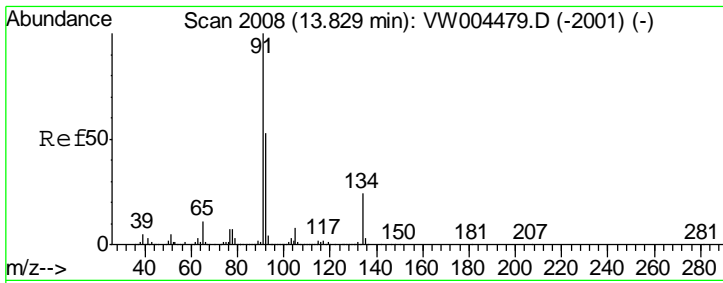


#88  
 1,4-Dichlorobenzene  
 Concen: 100.81 ug/l  
 RT: 13.58 min Scan# 1968  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
146	2016962		
146	100		
111	38.9	19.6	58.8
148	63.9	31.9	95.5







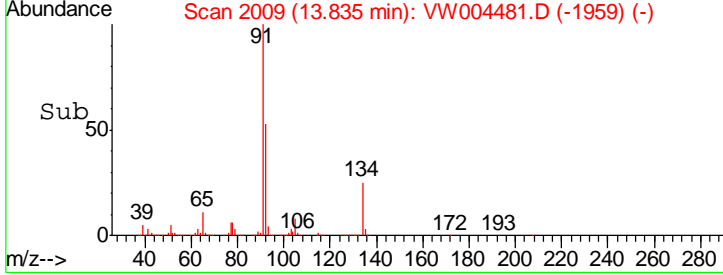
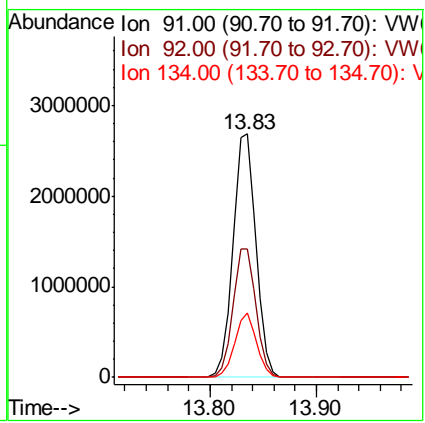
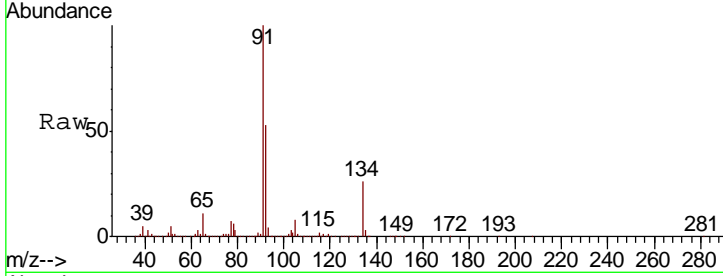
#89  
 n-Butylbenzene  
 Concen: 110.40 ug/l  
 RT: 13.83 min Scan# 2009  
 Delta R.T. 0.01 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

**Instrument :**  
 MSVOA\_W  
**Client Sampled :**  
 VSTDIC100

Tgt Ion: 91 Resp: 4042724

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.0
134	25.1	12.4	37.2

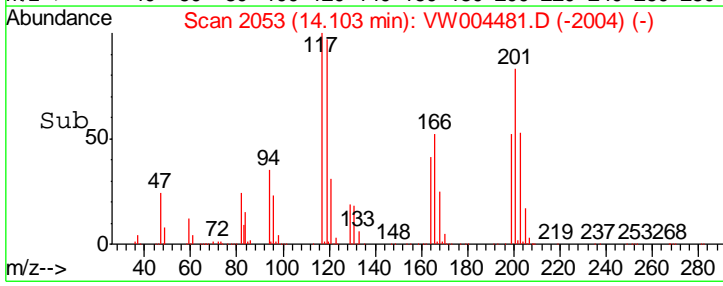
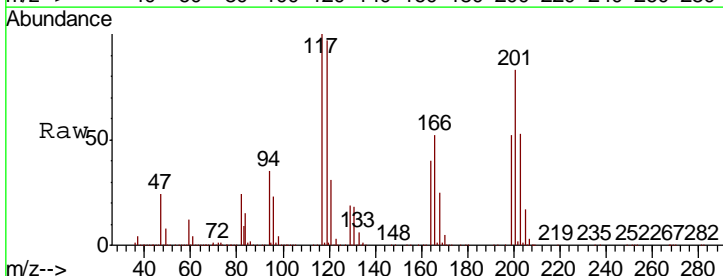
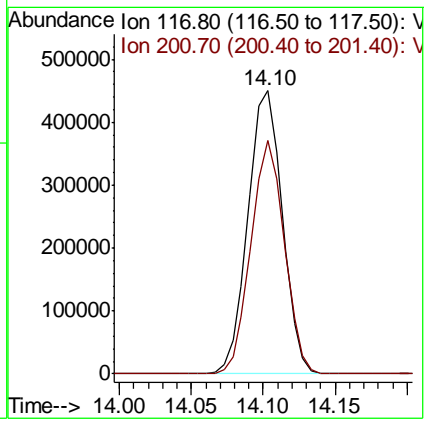
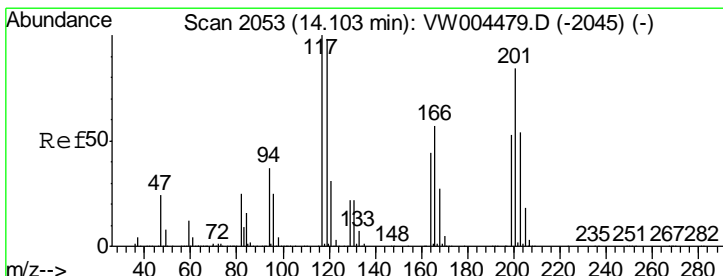
**Manual Integrations**  
**APPROVED**  
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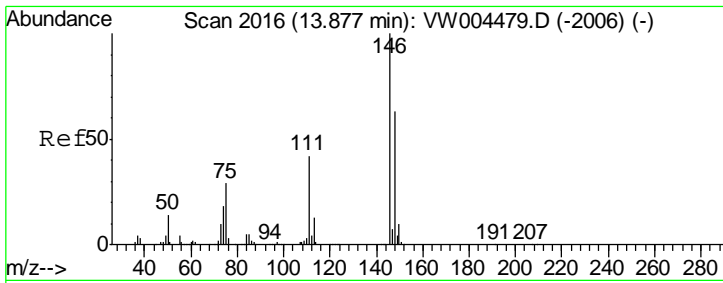


#90  
 Hexachloroethane  
 Concen: 106.85 ug/l  
 RT: 14.10 min Scan# 2053  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion: 117 Resp: 742081

Ion	Ratio	Lower	Upper
117	100		
201	80.3	40.1	120.3





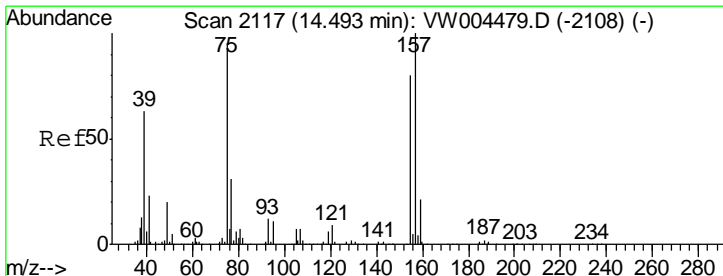
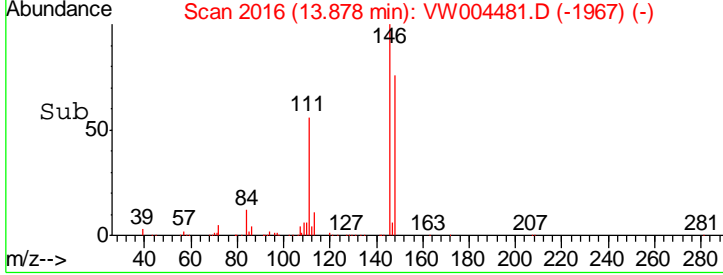
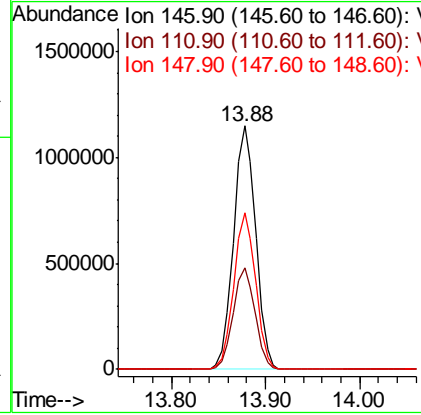
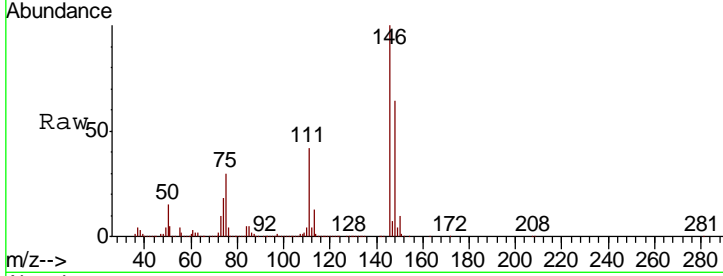
#91  
 1,2-Dichlorobenzene  
 Concen: 103.77 ug/l  
 RT: 13.88 min Scan# 2016  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
146	1866738		
111	41.4	20.8	62.2
148	63.6	31.8	95.4

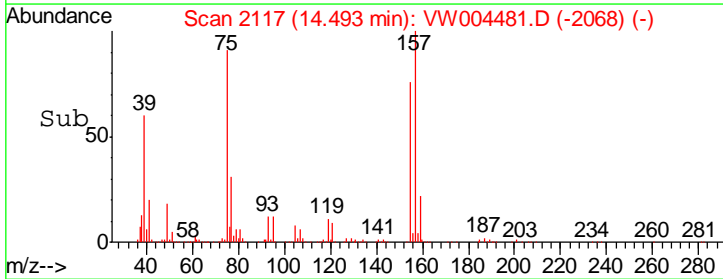
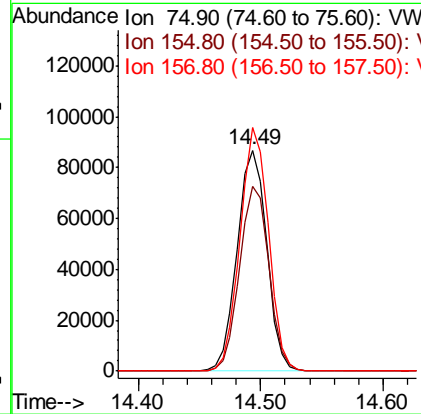
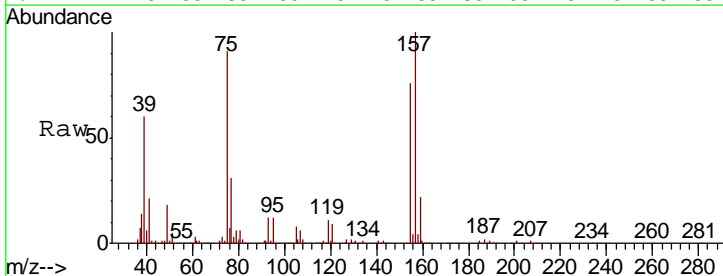
Manual Integrations  
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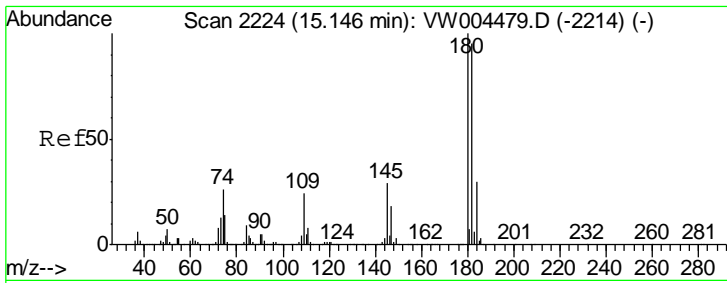
apatel  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 112.69 ug/l  
 RT: 14.49 min Scan# 2117  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Tgt Ion	Resp	Lower	Upper
75	144871		
155	83.0	41.3	123.7
157	106.4	52.6	157.8





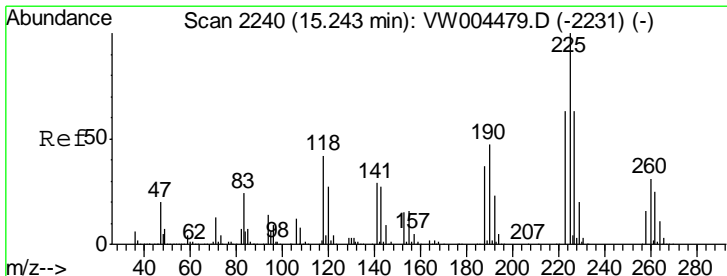
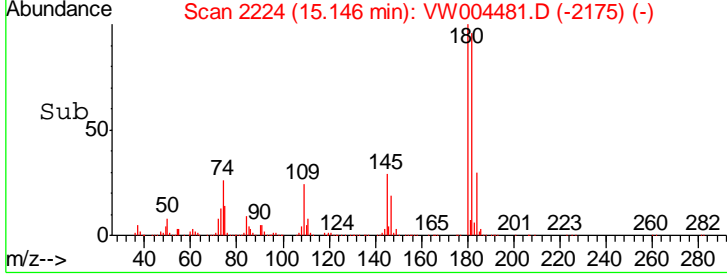
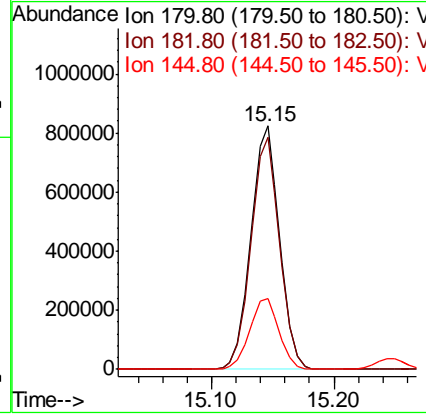
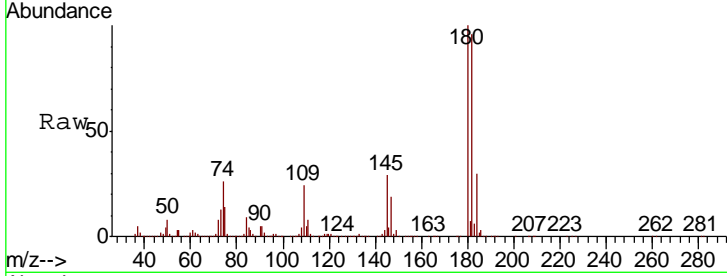
#93  
 1,2,4-Trichlorobenzene  
 Concen: 105.72 ug/l  
 RT: 15.15 min Scan# 2224  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.4	47.9	143.6
145	30.1	14.9	44.9

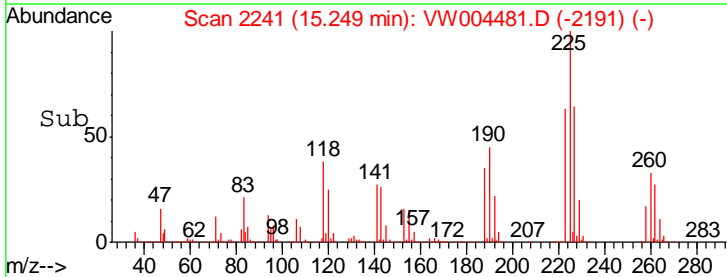
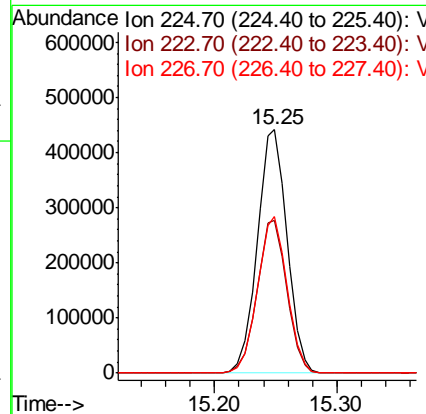
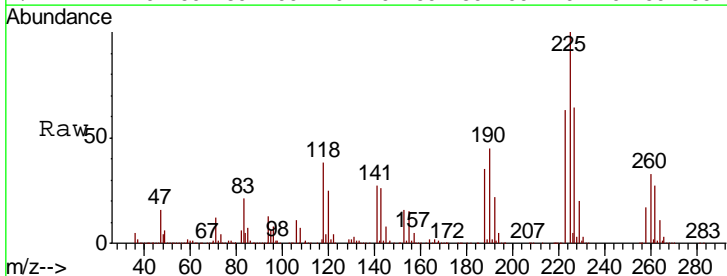
Manual Integrations  
 APPROVED

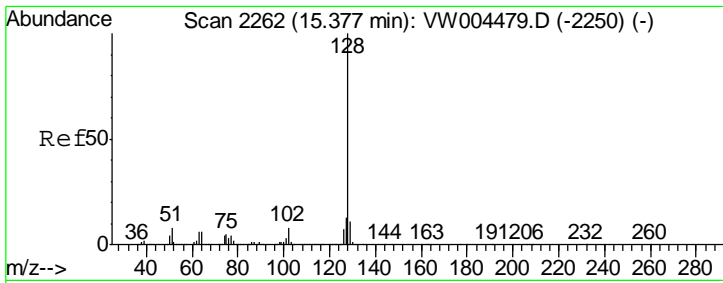
apatel  
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#94  
 Hexachlorobutadiene  
 Concen: 97.44 ug/l  
 RT: 15.25 min Scan# 2241  
 Delta R.T. 0.01 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

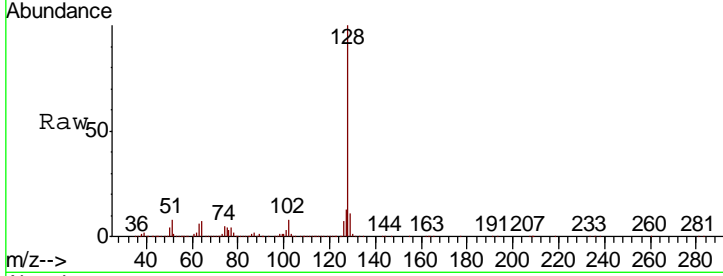
Tgt Ion	Resp	Lower	Upper
225	100		
223	62.7	31.3	93.8
227	63.8	31.8	95.4





#95  
 Naphthalene  
 Concen: 123.39 ug/l  
 RT: 15.38 min Scan# 2262  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27

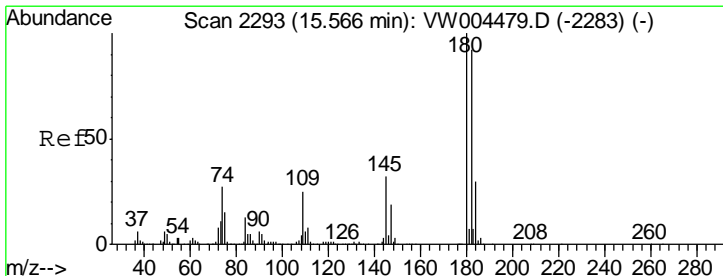
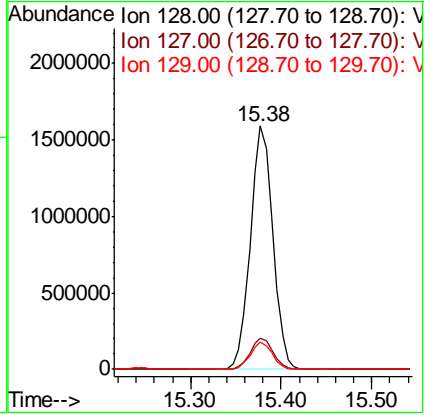
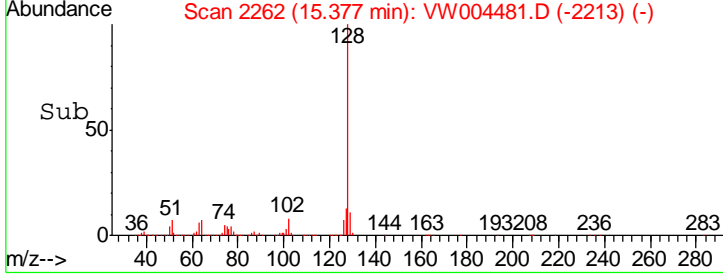
**Instrument :**  
 MSVOA\_W  
**Client Sampled :**  
 VSTDIC100



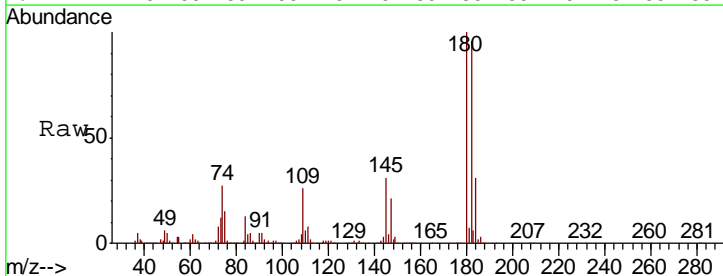
Tgt Ion: 128 Resp: 2727306

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.0	8.6	13.0

**Manual Integrations**  
**APPROVED**  
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#96  
 1,2,3-Trichlorobenzene  
 Concen: 107.68 ug/l  
 RT: 15.57 min Scan# 2293  
 Delta R.T. 0.00 min  
 Lab File: VW004481.D  
 Acq: 06 Aug 2018 20:27



Tgt Ion: 180 Resp: 1197074

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.0	141.2
145	31.9	15.9	47.6

