

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082019\  
 Data File : VW012032.D  
 Acq On : 20 Aug 2019 15:27  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 8/21/2019 8:28:55 AM

Quant Time: Aug 20 18:05:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 27 00:23:30 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	254334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	408114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	353879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169182	50.00	ug/l	0.00

## System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	146593	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	7.88	113	122228	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	
50) Toluene-d8	10.32	98	487907	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
62) 4-Bromofluorobenzene	12.62	95	173300	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	

## Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	68319	48.199	ug/l	96
3) Chloromethane	2.21	50	113816	46.307	ug/l	99
4) Vinyl Chloride	2.36	62	149196	50.420	ug/l	100
5) Bromomethane	2.77	94	77664	47.417	ug/l	98
6) Chloroethane	2.92	64	88346	52.267	ug/l	100
7) Trichlorofluoromethane	3.26	101	75033	56.737	ug/l	100
8) Diethyl Ether	3.68	74	79378	52.939	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	136913	54.576	ug/l	98
10) Methyl Iodide	4.28	142	188623	53.205	ug/l	99
11) Tert butyl alcohol	5.17	59	55711	259.135	ug/l	99
12) 1,1-Dichloroethene	4.04	96	139205	52.554	ug/l	98
13) Acrolein	3.89	56	51749	246.951	ug/l	100
14) Allyl chloride	4.67	41	296242	52.584	ug/l	99
15) Acrylonitrile	5.37	53	203148	271.408	ug/l	99
16) Acetone	4.12	43	210337	226.414	ug/l	99
17) Carbon Disulfide	4.38	76	394583	47.596	ug/l	98
18) Methyl Acetate	4.67	43	113048	54.168	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	235805	56.100	ug/l	97
20) Methylene Chloride	4.92	84	156767	48.930	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	147260	51.567	ug/l	97
22) Diisopropyl ether	6.31	45	566768	53.360	ug/l	99
23) Vinyl Acetate	6.25	43	1796536	269.179	ug/l	100
24) 1,1-Dichloroethane	6.21	63	295773	51.994	ug/l	99
25) 2-Butanone	7.17	43	300698	247.363	ug/l	98
26) 2,2-Dichloropropane	7.16	77	168529	48.173	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	163722	52.092	ug/l	99
28) Bromochloromethane	7.51	49	134719	53.355	ug/l	99
29) Tetrahydrofuran	7.53	42	188740	271.625	ug/l	99
30) Chloroform	7.68	83	268995	51.256	ug/l	99
31) Cyclohexane	7.96	56	272110	49.832	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	214496	53.667	ug/l	99
36) 1,1-Dichloropropene	8.08	75	224244	52.842	ug/l	99
37) Ethyl Acetate	7.25	43	132790	54.389	ug/l	99
38) Carbon Tetrachloride	8.07	117	194652	53.581	ug/l	98

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 8/21/2019 8:28:55 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	253411	54.232	ug/l	99
40) Benzene	8.32	78	624544	52.541	ug/l	99
41) Methacrylonitrile	7.48	41	76444	52.379	ug/l	96
42) 1,2-Dichloroethane	8.40	62	193851	52.089	ug/l	98
43) Isopropyl Acetate	8.43	43	248315	55.303	ug/l	99
44) Trichloroethene	9.09	130	151947	53.185	ug/l	98
45) 1,2-Dichloropropane	9.37	63	170537	53.620	ug/l	99
46) Dibromomethane	9.46	93	77908	53.669	ug/l	99
47) Bromodichloromethane	9.65	83	203271	53.383	ug/l	99
48) Methyl methacrylate	9.44	41	121036	56.117	ug/l	96
49) 1,4-Dioxane	9.45	88	25448	1210.733	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	643783	275.650	ug/l	100
52) Toluene	10.39	92	380153	52.958	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	216525	54.435	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	253969	53.699	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	109566	53.196	ug/l	98
56) Ethyl methacrylate	10.65	69	169941	56.385	ug/l	98
57) 1,3-Dichloropropane	10.93	76	208097	53.404	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	459673	335.910	ug/l	100
59) 2-Hexanone	10.97	43	449917	272.839	ug/l	98
60) Dibromochloromethane	11.13	129	122809	53.716	ug/l	100
61) 1,2-Dibromoethane	11.24	107	104102	53.410	ug/l	100
64) Tetrachloroethene	10.86	164	124361	53.973	ug/l	99
65) Chlorobenzene	11.66	112	382100	53.706	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	135771	54.786	ug/l	99
67) Ethyl Benzene	11.73	91	740254	54.631	ug/l	99
68) m/p-Xylenes	11.84	106	533173	108.198	ug/l	100
69) o-Xylene	12.16	106	249868	54.566	ug/l	100
70) Styrene	12.18	104	434197	54.841	ug/l	99
71) Bromoform	12.35	173	70639	55.906	ug/l #	99
73) Isopropylbenzene	12.46	105	693808	54.971	ug/l	100
74) N-amyl acetate	12.27	43	225200	56.992	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	131371	55.336	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	93428m	52.190	ug/l	
77) Bromobenzene	12.75	156	152815	54.778	ug/l	99
78) n-propylbenzene	12.80	91	845508	55.045	ug/l	100
79) 2-Chlorotoluene	12.89	91	478567	54.081	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	581978	55.008	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	44582	57.396	ug/l	99
82) 4-Chlorotoluene	12.99	91	501331	53.996	ug/l	100
83) tert-Butylbenzene	13.21	119	498779	56.376	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	578417	54.272	ug/l	100
85) sec-Butylbenzene	13.38	105	706028	55.927	ug/l	100
86) p-Isopropyltoluene	13.50	119	628605	54.881	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	291930	53.369	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	290851	53.452	ug/l	100
89) n-Butylbenzene	13.82	91	629637	55.084	ug/l	99
90) Hexachloroethane	14.09	117	109954	54.288	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	262122	54.180	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22358	55.227	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	188410	55.258	ug/l	99
94) Hexachlorobutadiene	15.24	225	117325	55.177	ug/l	98
95) Naphthalene	15.36	128	358940	53.587	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	166217	55.614	ug/l	98

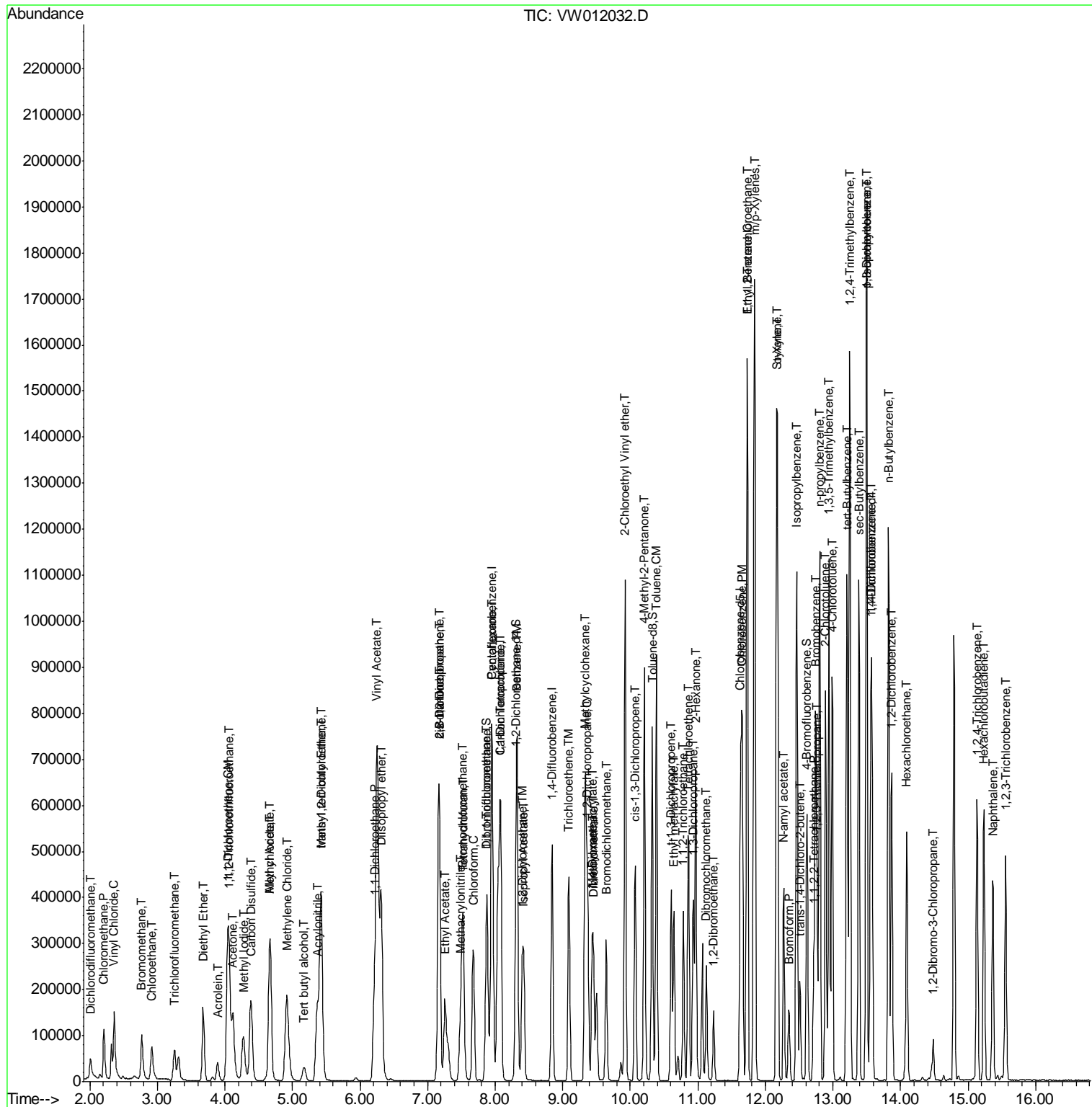
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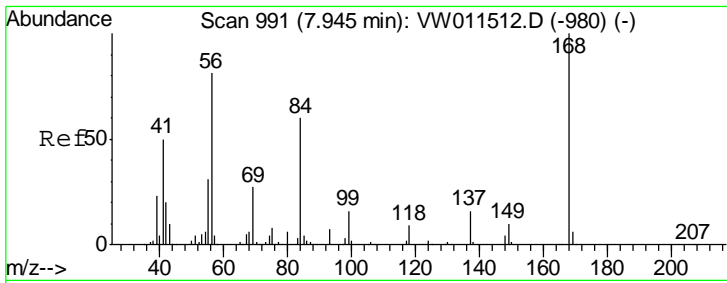
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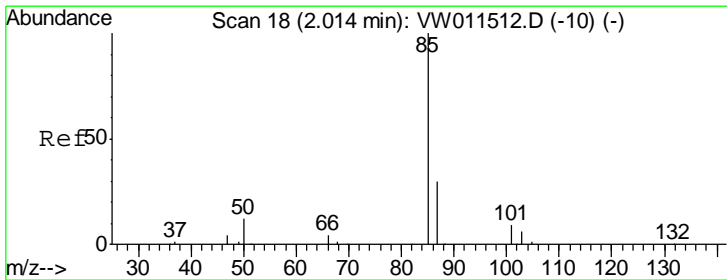
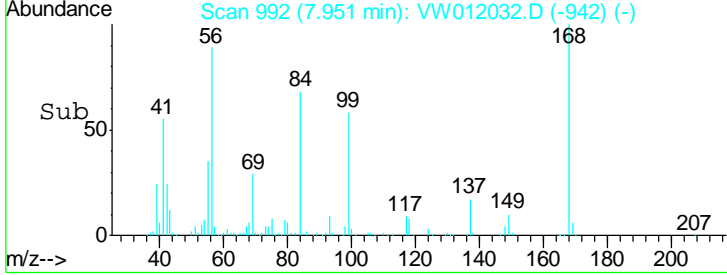
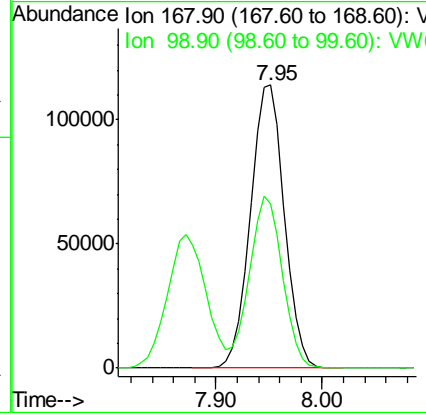
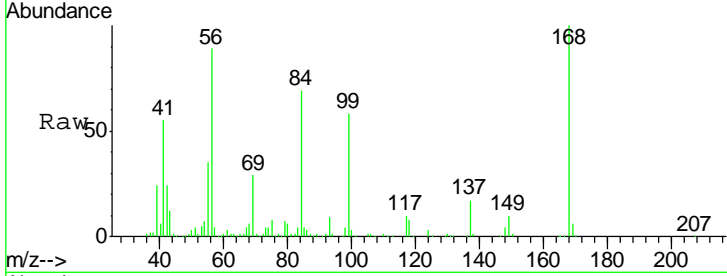


#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. 0.01 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

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 Client Sampled : VSTDCCC050EC

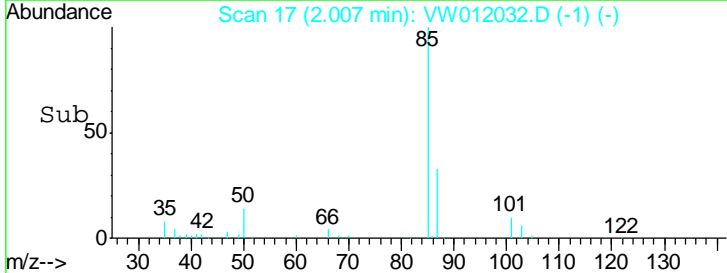
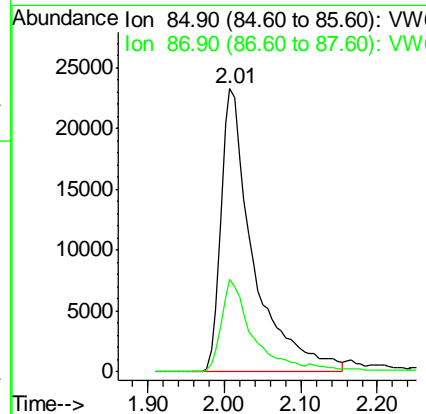
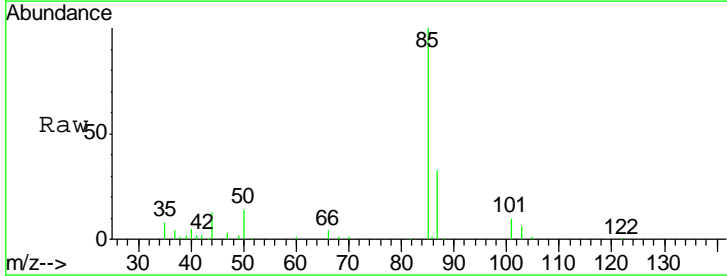
Tgt Ion	Resp	Lower	Upper
168	100		
99	58.1	48.2	72.4

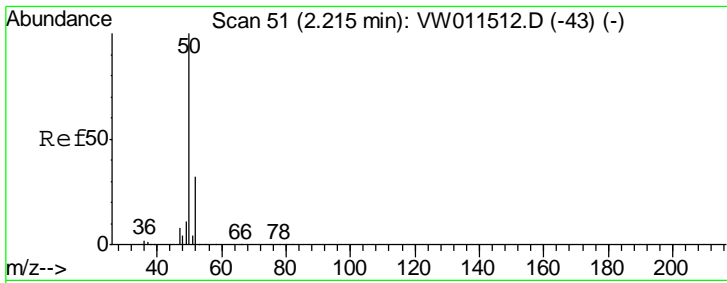
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#2  
 Dichlorodifluoromethane  
 Concen: 48.199 ug/l  
 RT: 2.01 min Scan# 17  
 Delta R.T. -0.01 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.6	15.2	45.6



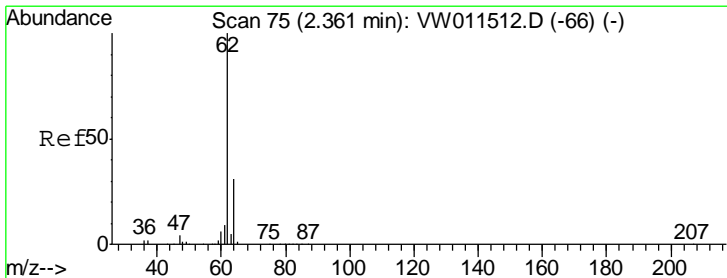
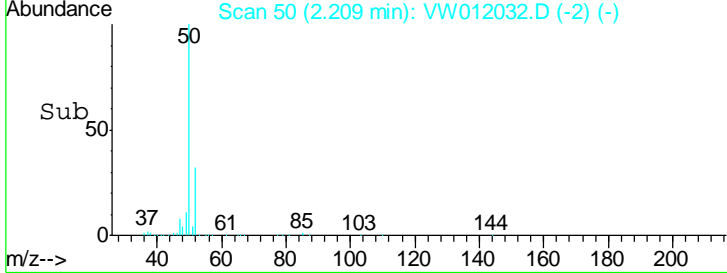
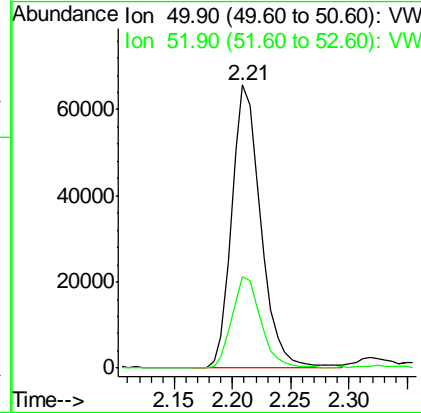
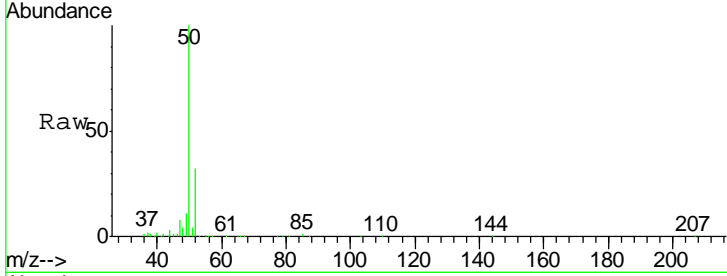


#3  
 Chloromethane  
 Concen: 46.307 ug/l  
 RT: 2.21 min Scan# 50  
 Delta R.T. -0.01 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

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 VSTDCCC050EC

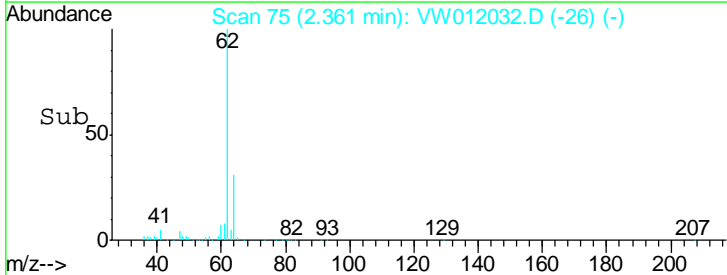
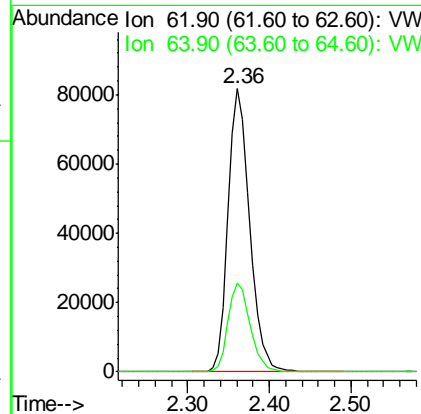
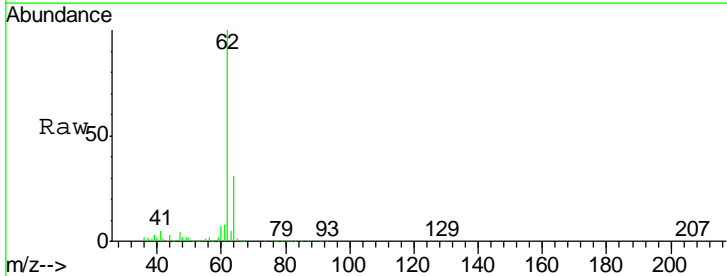
Tgt Ion	Resp	Lower	Upper
50	113816		
52	32.3	25.4	38.2

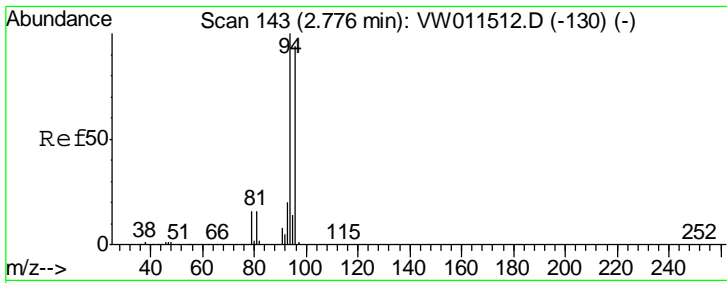
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#4  
 Vinyl Chloride  
 Concen: 50.420 ug/l  
 RT: 2.36 min Scan# 75  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
62	149196		
64	31.3	25.0	37.4



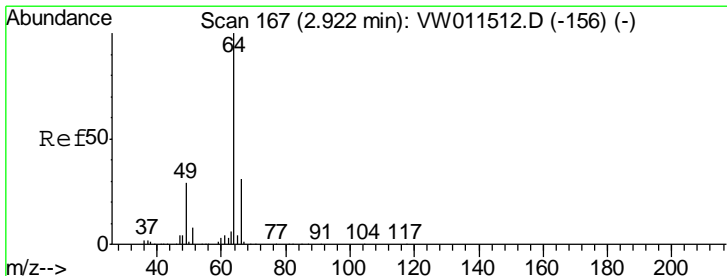
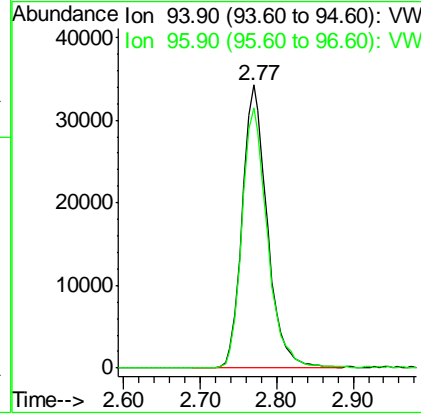
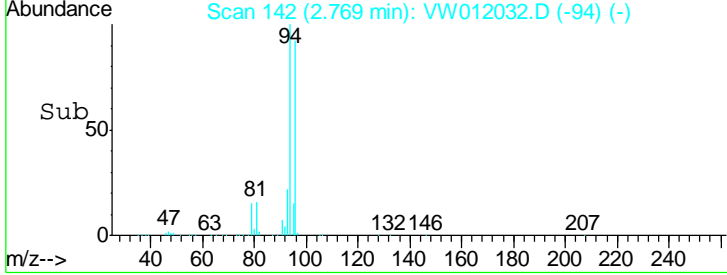
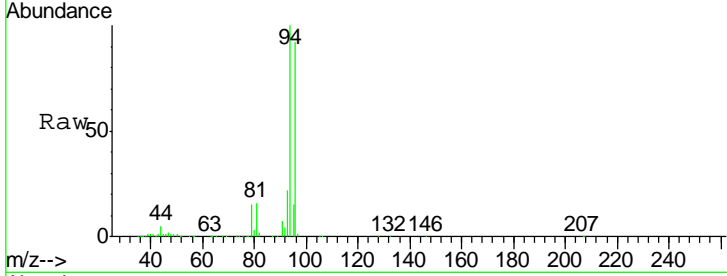


#5  
 Bromomethane  
 Concen: 47.417 ug/l  
 RT: 2.77 min Scan# 142  
 Delta R.T. -0.01 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
94	100		
96	91.8	75.0	112.6

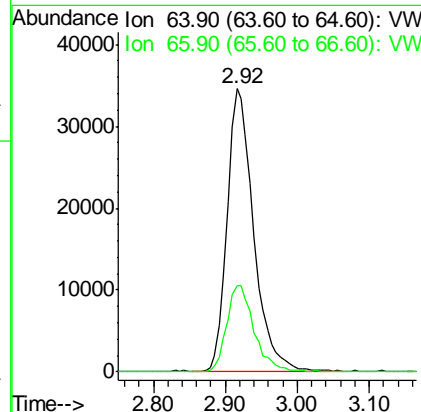
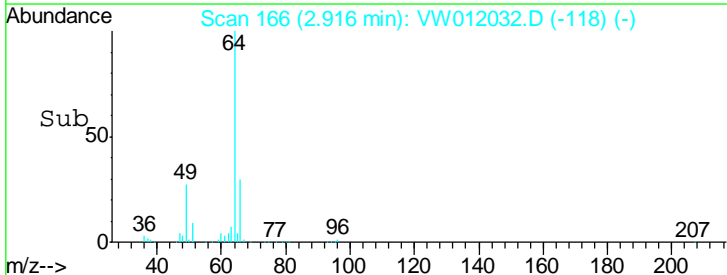
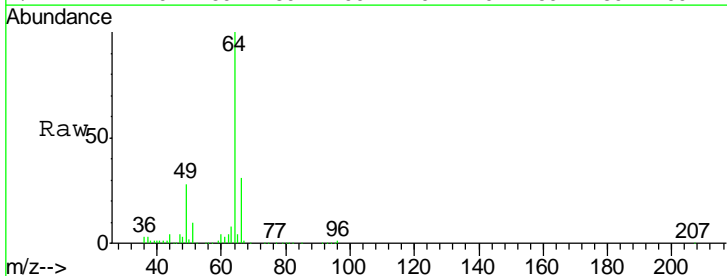
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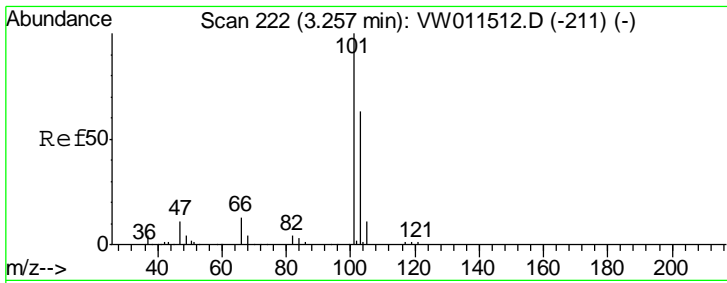
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#6  
 Chloroethane  
 Concen: 52.267 ug/l  
 RT: 2.92 min Scan# 166  
 Delta R.T. -0.01 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

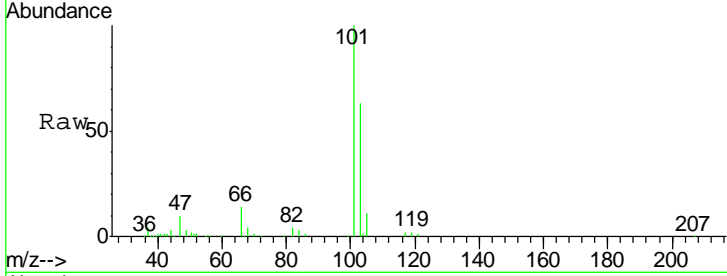
Tgt Ion	Resp	Lower	Upper
64	100		
66	30.6	24.6	36.8





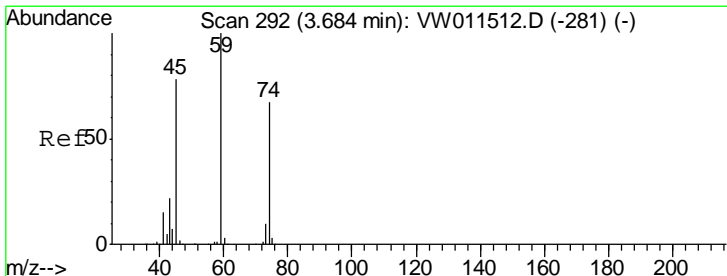
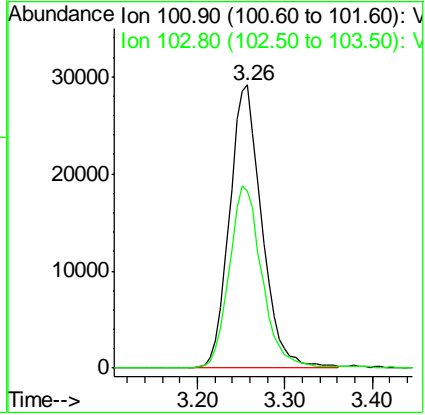
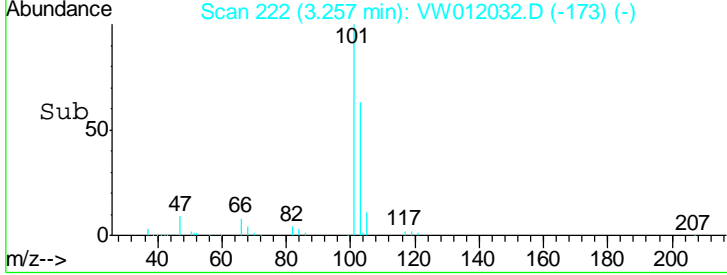
#7  
 Trichlorofluoromethane  
 Concen: 56.737 ug/l  
 RT: 3.26 min Scan# 222  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

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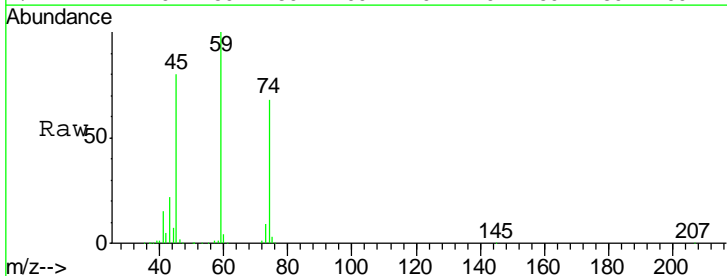
Tgt Ion: 101 Resp: 75033  
 Ion Ratio Lower Upper  
 101 100  
 103 62.6 50.2 75.4

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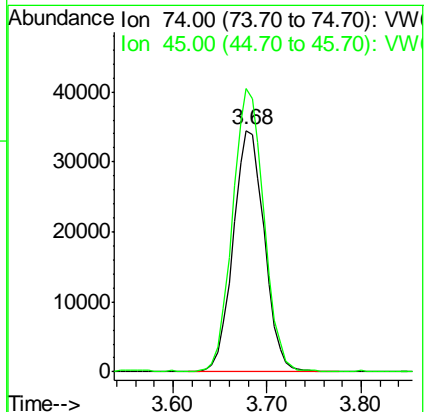
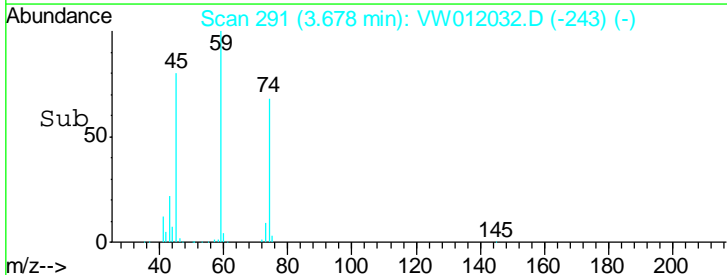
#8  
 Diethyl Ether  
 Concen: 52.939 ug/l  
 RT: 3.68 min Scan# 291  
 Delta R.T. -0.01 min  
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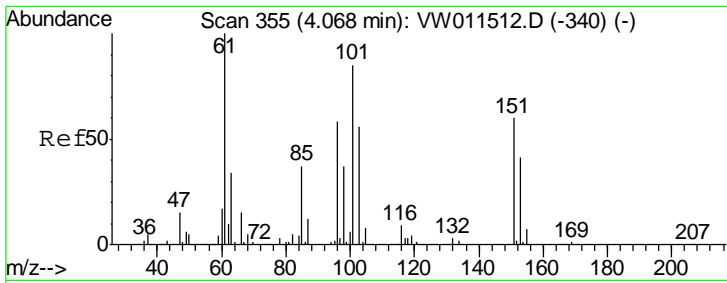


Tgt Ion: 74 Resp: 79378  
 Ion Ratio Lower Upper  
 74 100  
 45 117.6 59.6 178.8

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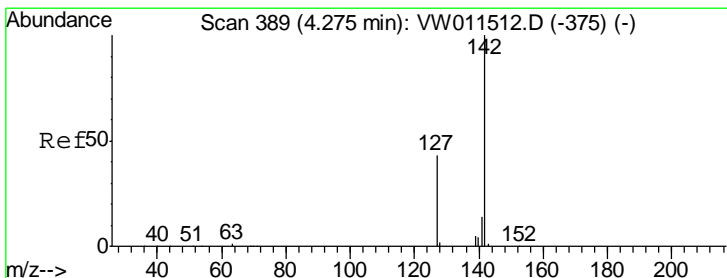
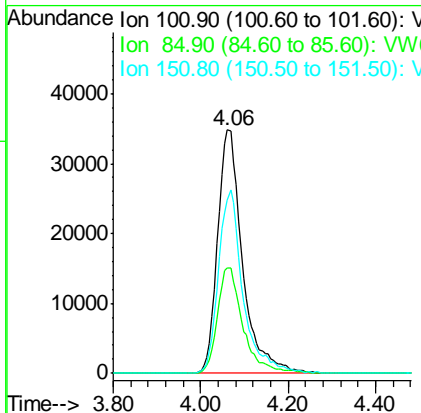
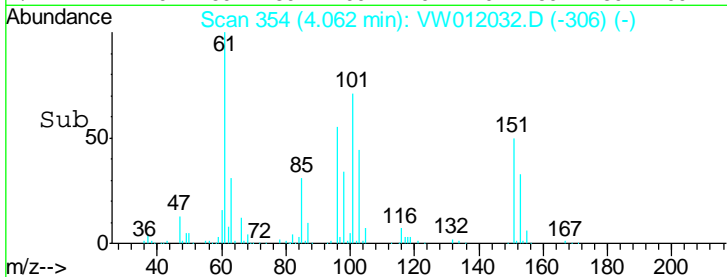
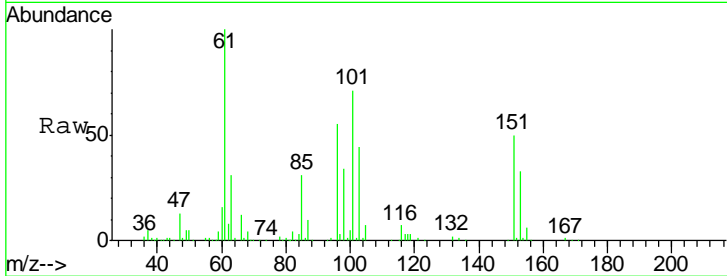
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 54.576 ug/l  
 RT: 4.06 min Scan# 354  
 Delta R.T. -0.01 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
101	136913		
101	100		
85	44.5	36.6	54.8
151	74.0	60.2	90.2

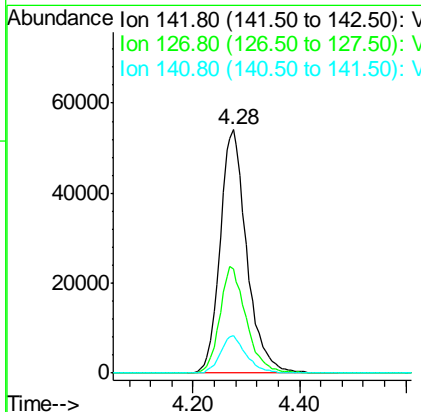
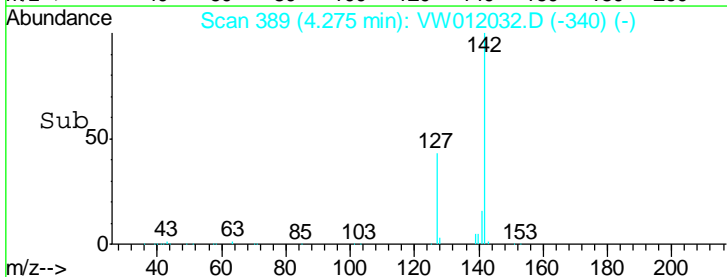
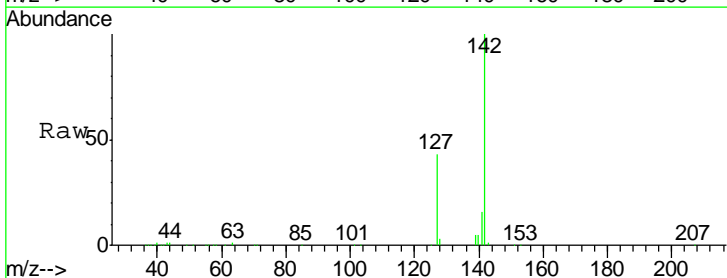
**Manual Integrations**  
**APPROVED**

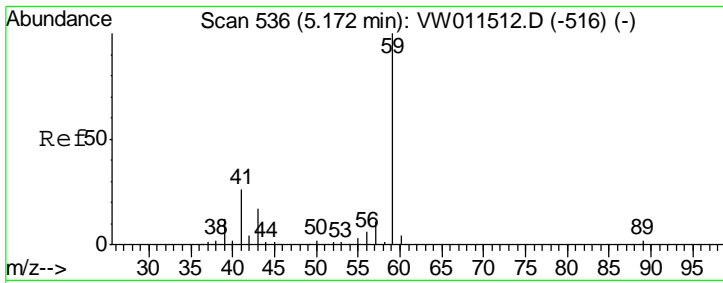
MMDadoda  
 8/21/2019 8:28:55 AM



#10  
 Methyl Iodide  
 Concen: 53.205 ug/l  
 RT: 4.28 min Scan# 389  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
142	188623		
142	100		
127	43.1	35.0	52.6
141	14.8	11.9	17.9





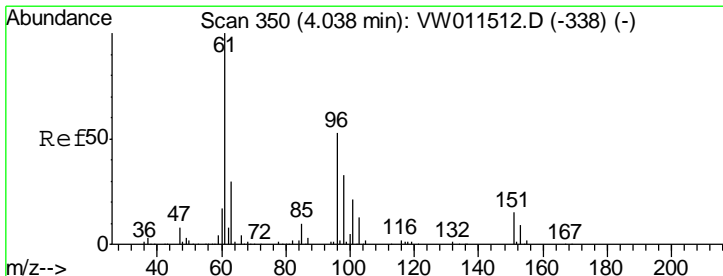
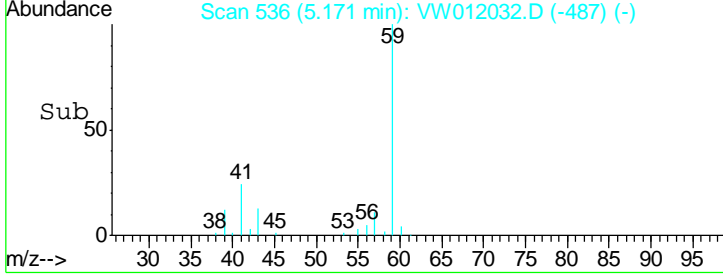
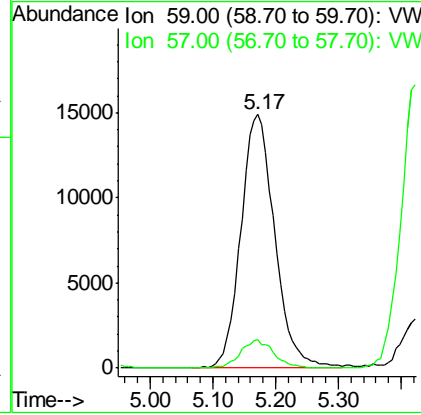
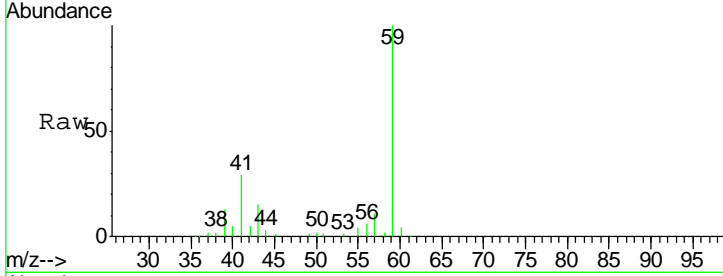
#11  
 Tert butyl alcohol  
 Concen: 259.135 ug/l  
 RT: 5.17 min Scan# 536  
 Delta R.T. 0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.9	8.5	12.7

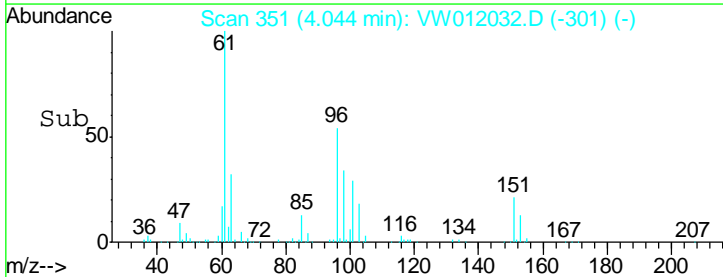
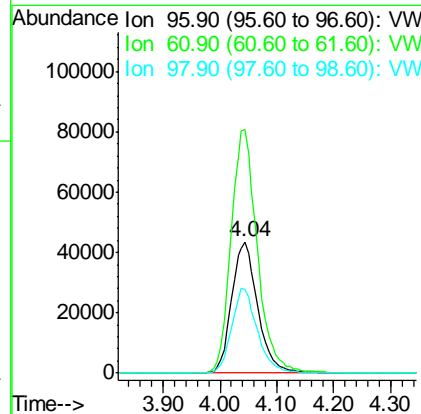
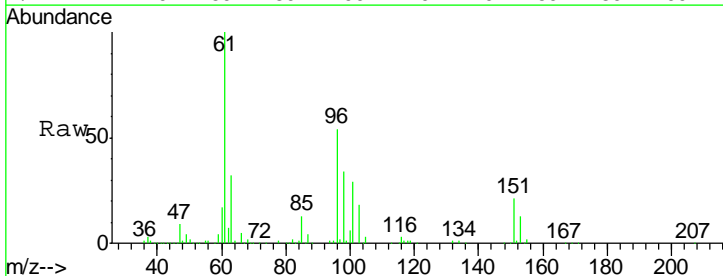
**Manual Integrations**  
**APPROVED**

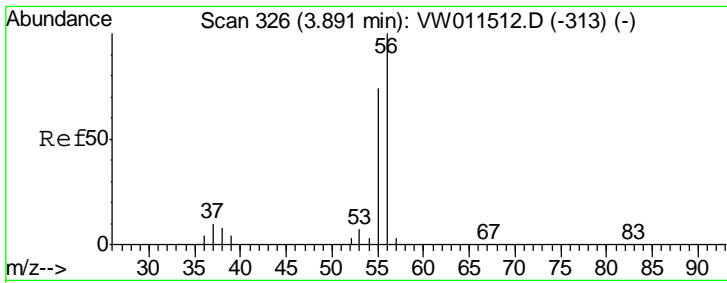
MMDadoda  
 8/21/2019 8:28:55 AM



#12  
 1,1-Dichloroethene  
 Concen: 52.554 ug/l  
 RT: 4.04 min Scan# 351  
 Delta R.T. 0.01 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
96	100		
61	185.2	149.9	224.9
98	63.9	49.1	73.7





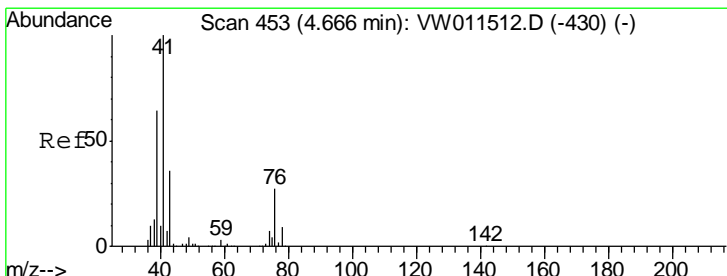
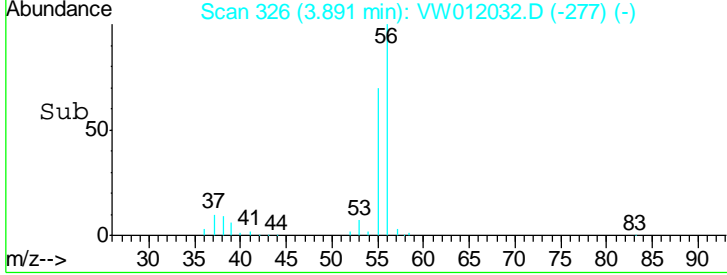
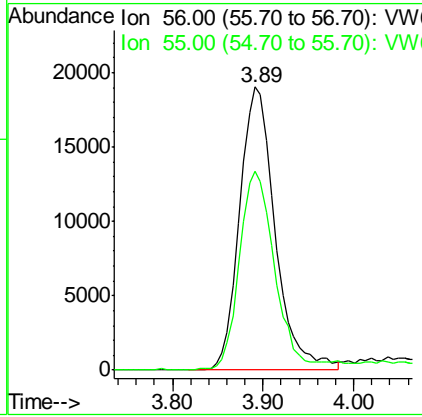
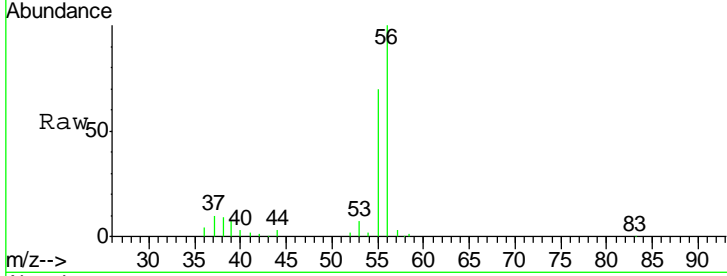
#13  
 Acrolein  
 Concen: 246.951 ug/l  
 RT: 3.89 min Scan# 326  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
56	100		
55	70.2	56.0	84.0

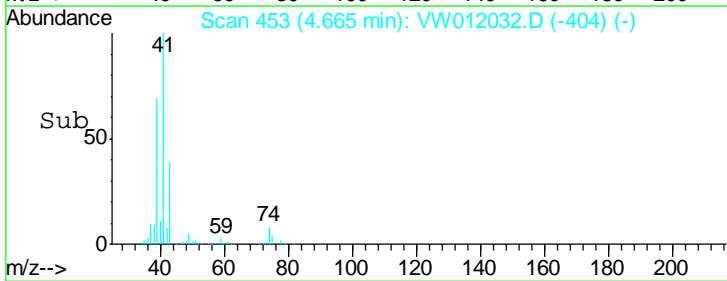
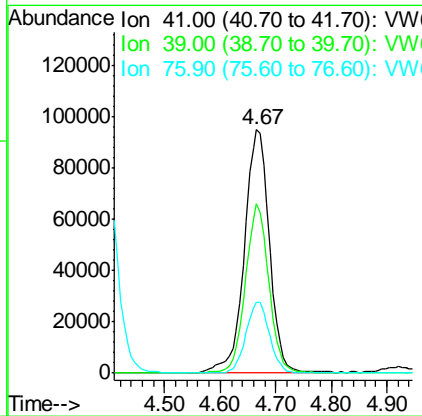
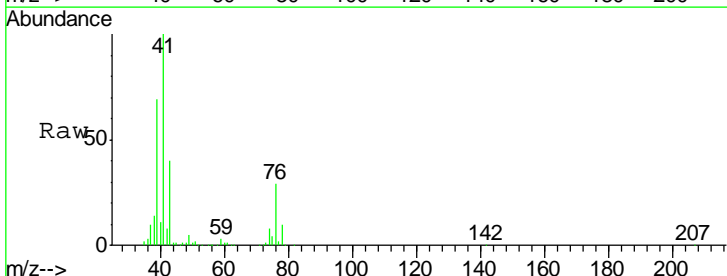
Manual Integrations  
 APPROVED

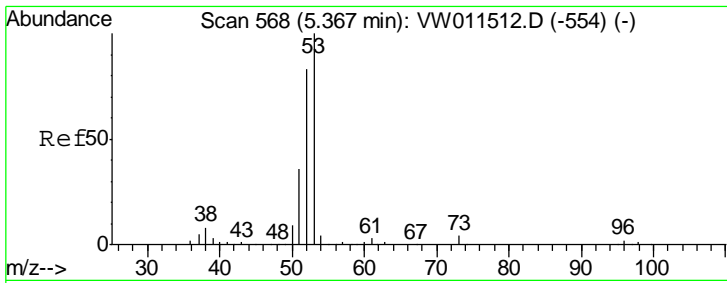
MMDadoda  
 8/21/2019 8:28:55 AM



#14  
 Allyl chloride  
 Concen: 52.584 ug/l  
 RT: 4.67 min Scan# 453  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
41	100		
39	65.2	52.6	78.8
76	27.6	22.0	33.0





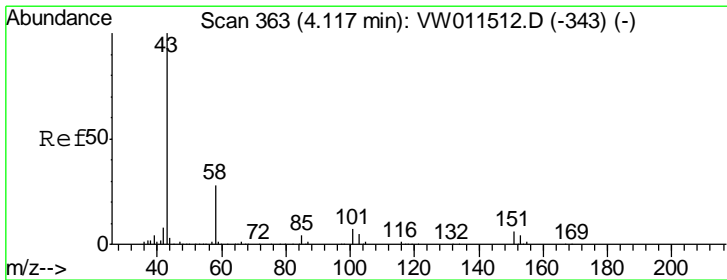
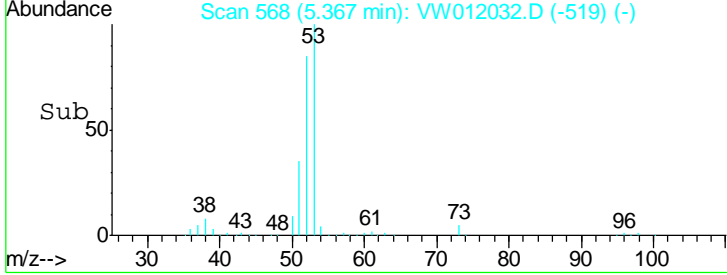
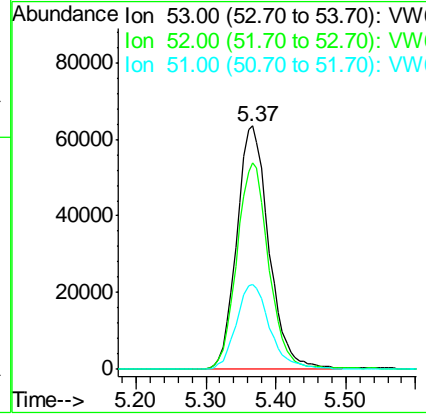
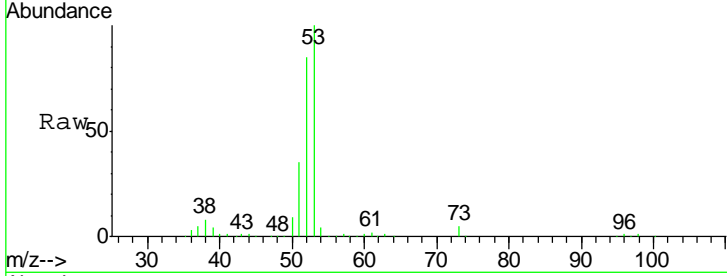
#15  
 Acrylonitrile  
 Concen: 271.408 ug/l  
 RT: 5.37 min Scan# 568  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.7	67.2	100.8
51	36.3	30.0	45.0

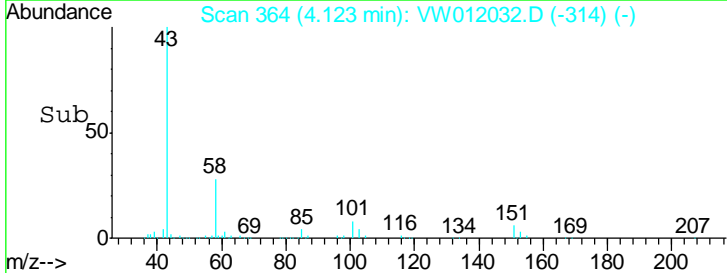
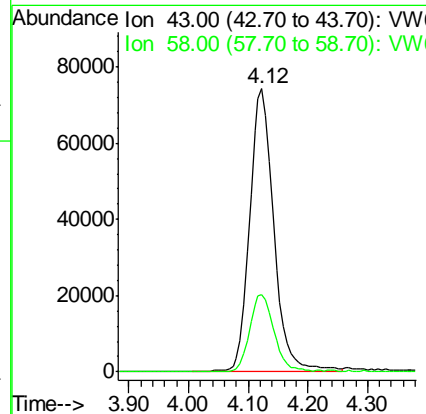
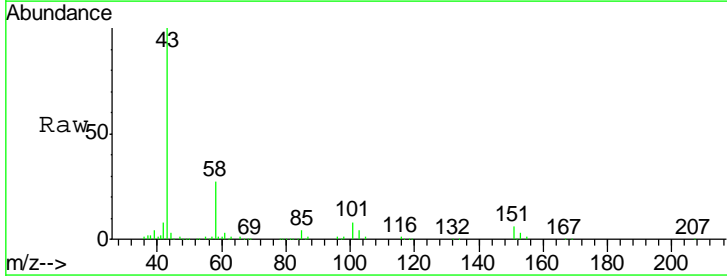
**Manual Integrations**  
**APPROVED**

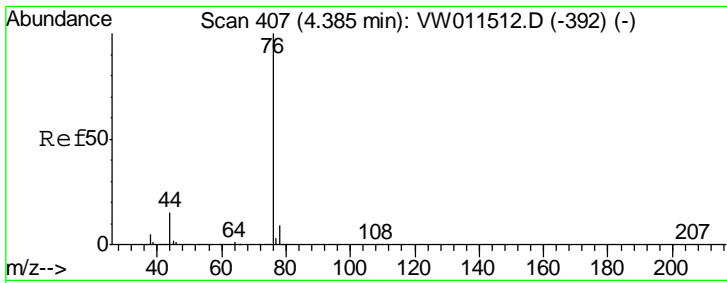
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#16  
 Acetone  
 Concen: 226.414 ug/l  
 RT: 4.12 min Scan# 364  
 Delta R.T. 0.01 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
43	100		
58	27.4	22.3	33.5





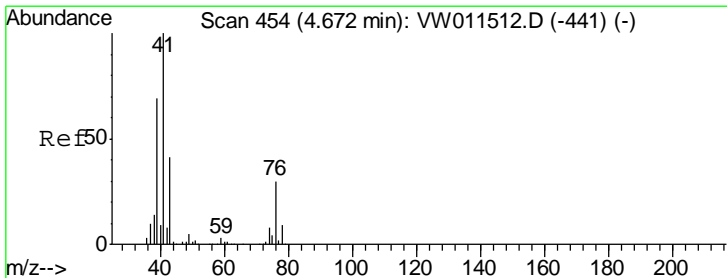
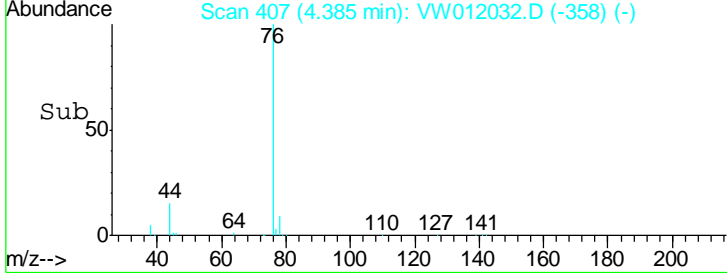
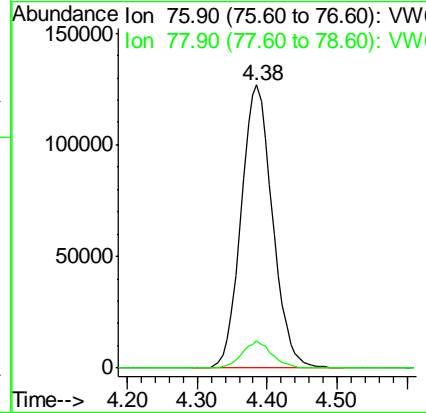
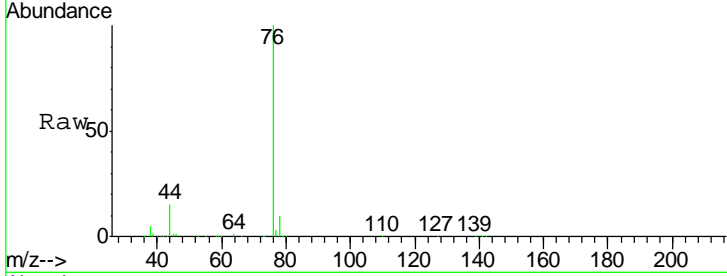
#17  
 Carbon Disulfide  
 Concen: 47.596 ug/l  
 RT: 4.38 min Scan# 407  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
76	100		
78	9.6	7.1	10.7

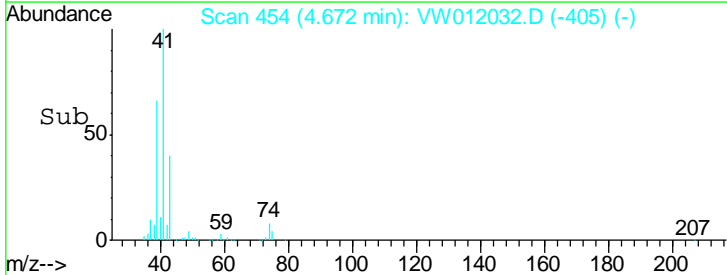
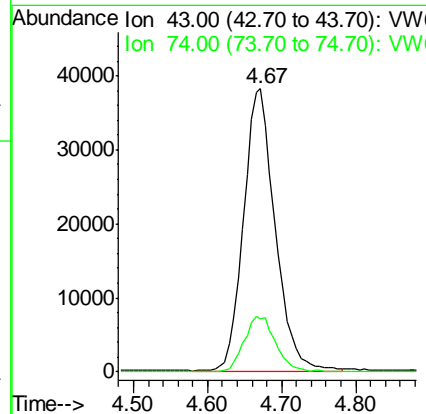
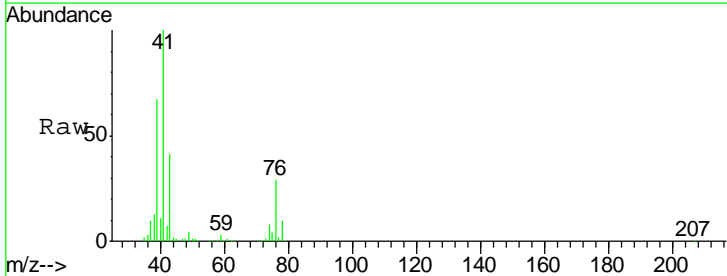
**Manual Integrations**  
**APPROVED**

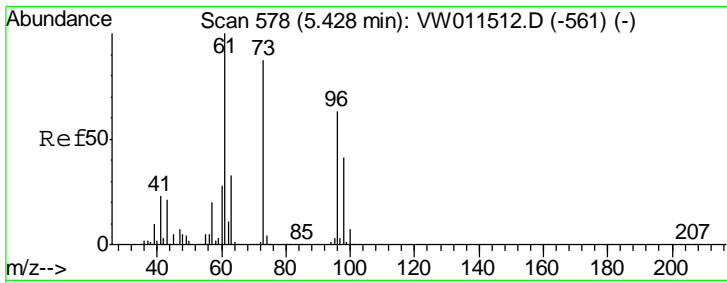
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#18  
 Methyl Acetate  
 Concen: 54.168 ug/l  
 RT: 4.67 min Scan# 454  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
43	100		
74	19.8	15.9	23.9



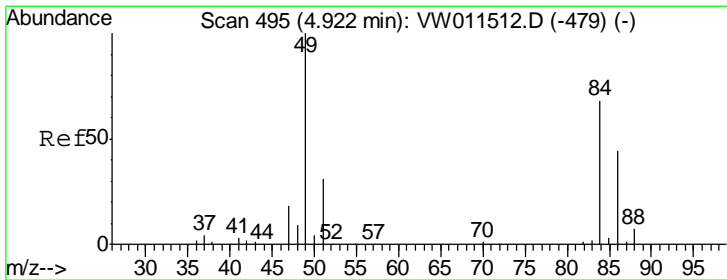
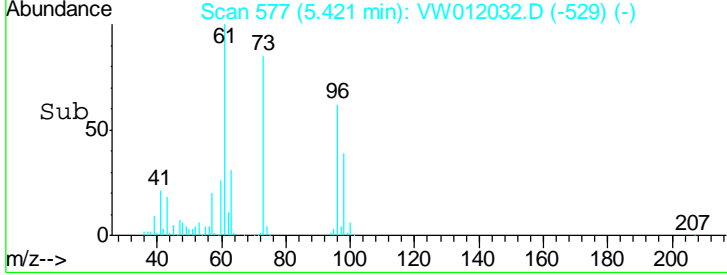
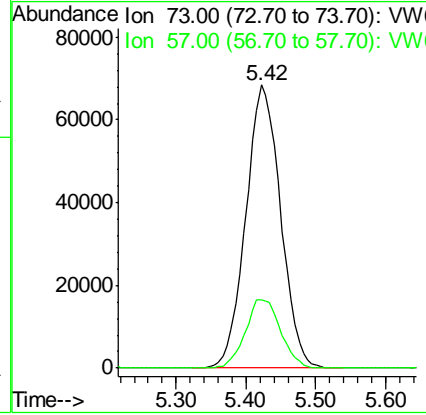
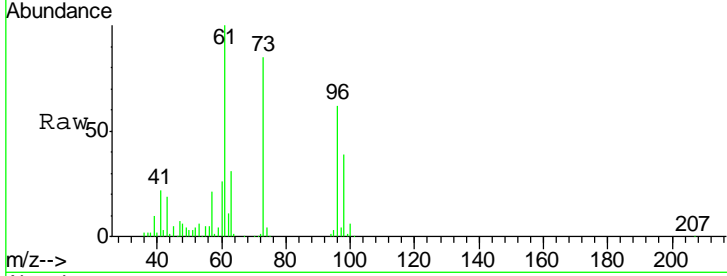


#19  
Methyl tert-butyl Ether  
Concen: 56.100 ug/l  
RT: 5.42 min Scan# 577  
Delta R.T. -0.01 min  
Lab File: VW012032.D  
Acq: 20 Aug 2019 15:27

**Instrument :**  
MSVOA\_W  
**ClientSampled :**  
VSTDCCC050EC

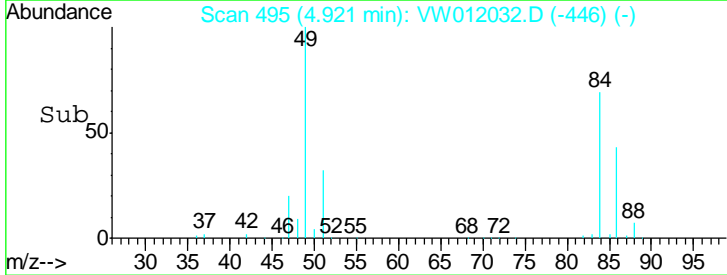
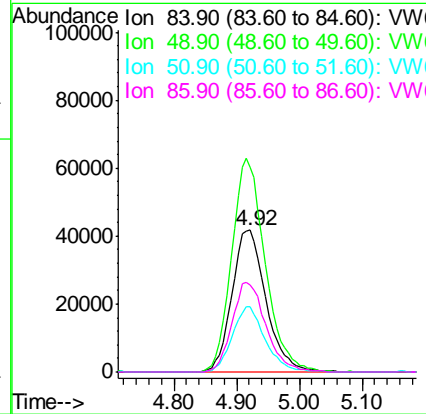
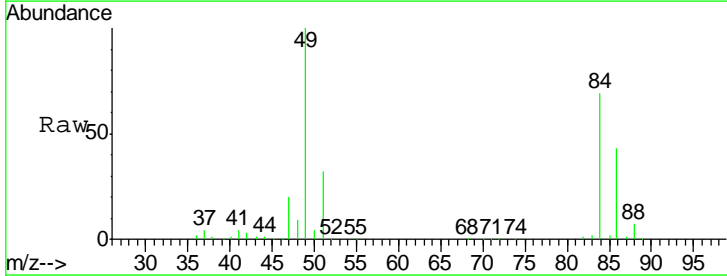
Tgt Ion	Resp	Lower	Upper
73	235805		
73	100		
57	24.3	18.4	27.6

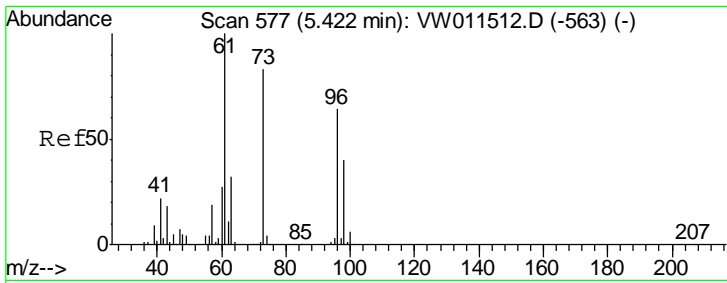
**Manual Integrations**  
**APPROVED**  
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#20  
Methylene Chloride  
Concen: 48.930 ug/l  
RT: 4.92 min Scan# 495  
Delta R.T. -0.00 min  
Lab File: VW012032.D  
Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
84	156767		
84	100		
49	145.0	117.8	176.6
51	46.3	37.0	55.4
86	61.8	51.8	77.8





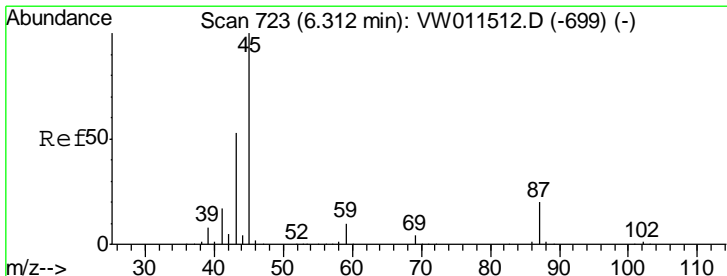
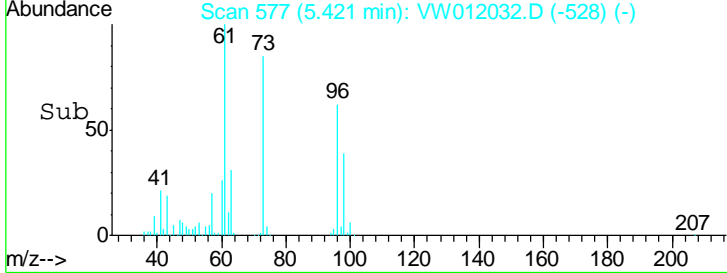
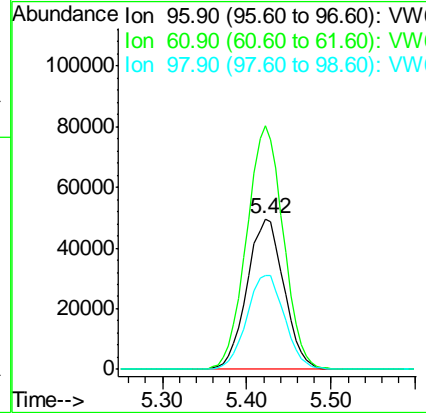
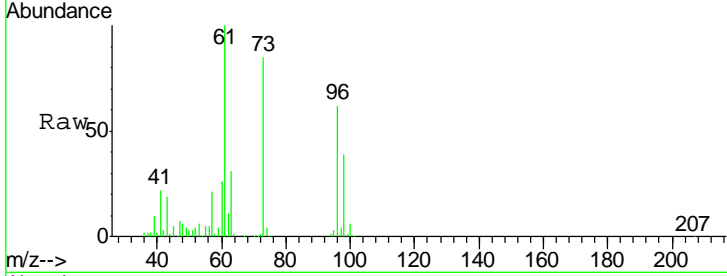
#21  
 trans-1,2-Dichloroethene  
 Concen: 51.567 ug/l  
 RT: 5.42 min Scan# 577  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
96	147260		
61	161.8	125.7	188.5
98	62.7	50.3	75.5

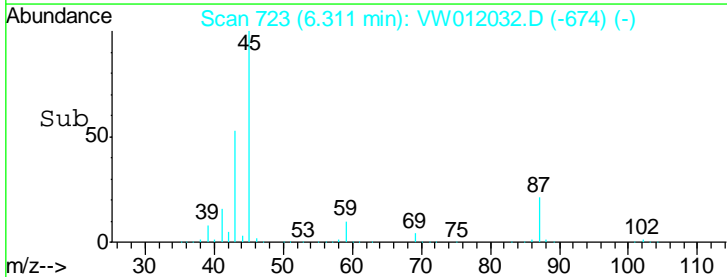
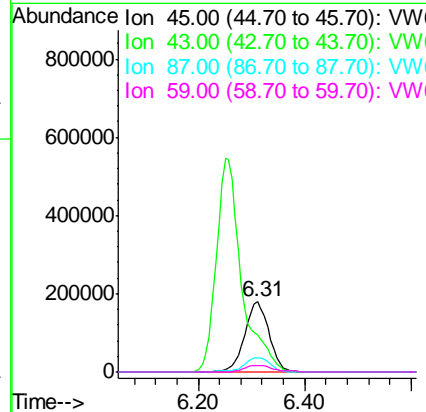
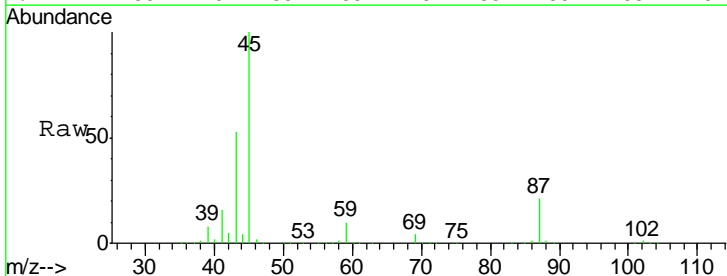
**Manual Integrations**  
**APPROVED**

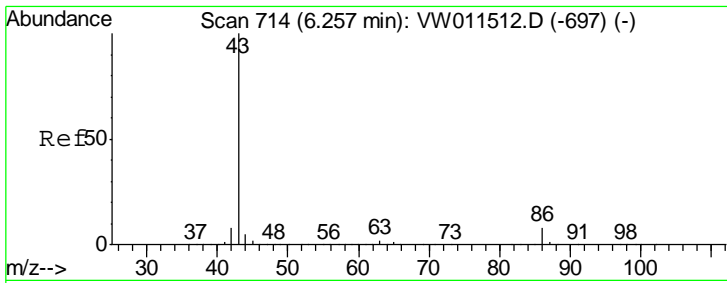
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#22  
 Diisopropyl ether  
 Concen: 53.360 ug/l  
 RT: 6.31 min Scan# 723  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
45	566768		
43	52.6	42.6	63.8
87	20.9	16.4	24.6
59	9.8	8.2	12.2





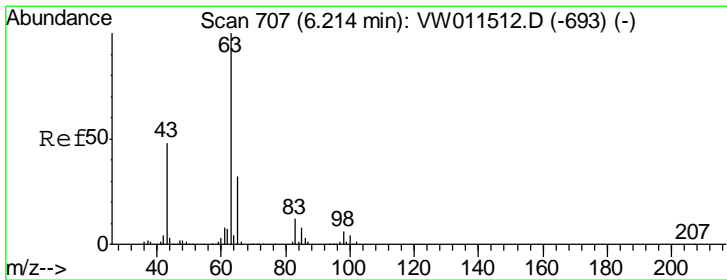
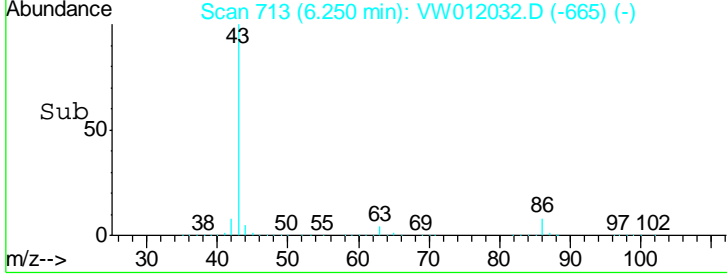
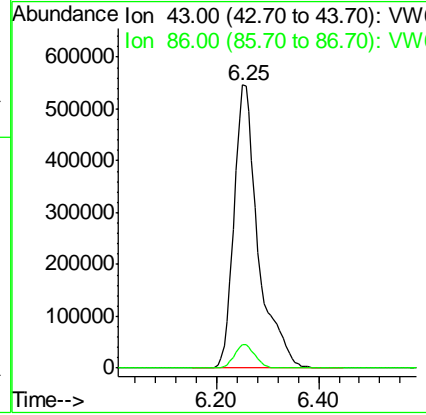
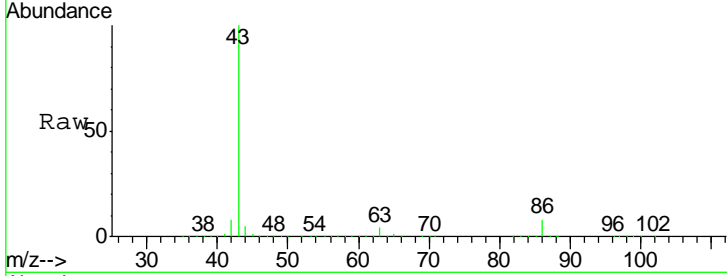
#23  
 Vinyl Acetate  
 Concen: 269.179 ug/l  
 RT: 6.25 min Scan# 713  
 Delta R.T. -0.01 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 1796536

Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.5	9.7

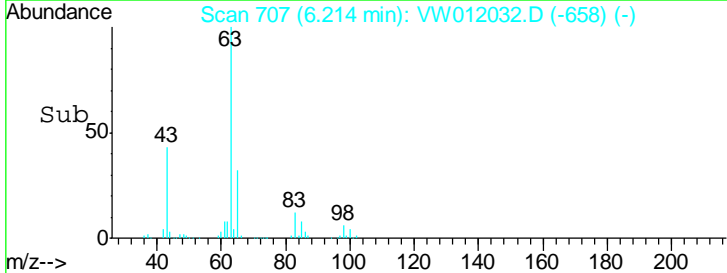
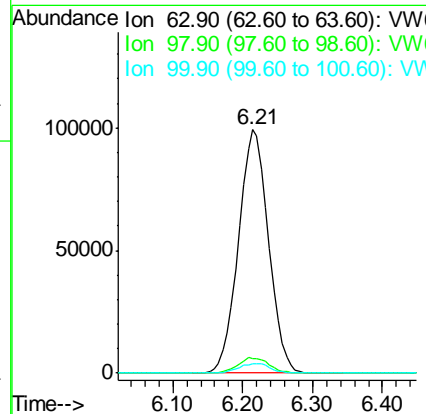
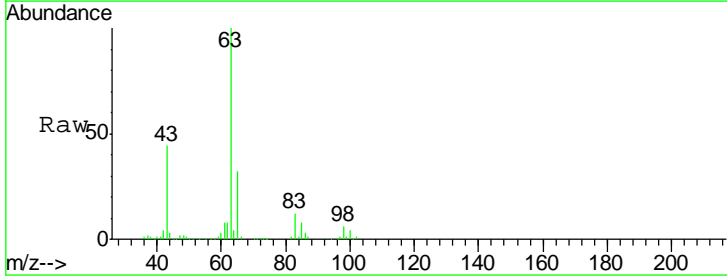
**Manual Integrations**  
**APPROVED**  
 MMDadoda  
 8/21/2019 8:28:55 AM



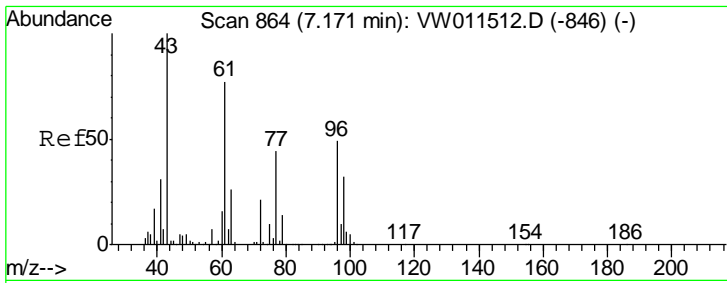
#24  
 1,1-Dichloroethane  
 Concen: 51.994 ug/l  
 RT: 6.21 min Scan# 707  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion: 63 Resp: 295773

Ion	Ratio	Lower	Upper
63	100		
98	6.2	2.9	8.8
100	4.1	2.1	6.3







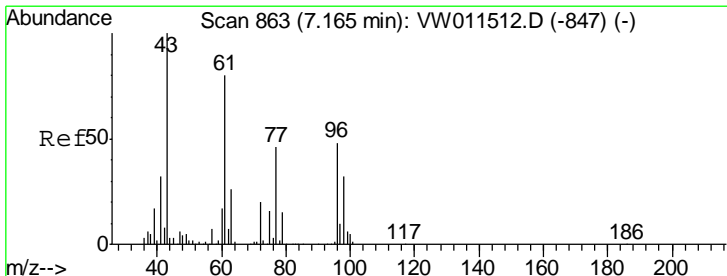
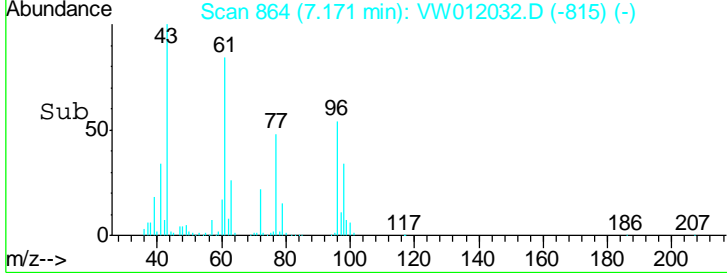
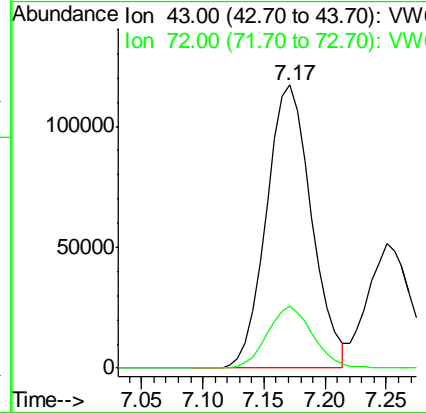
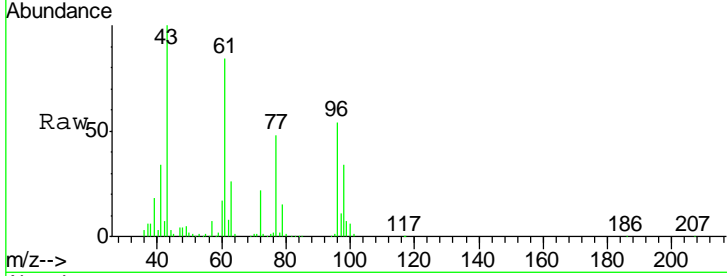
#25  
 2-Butanone  
 Concen: 247.363 ug/l  
 RT: 7.17 min Scan# 864  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDCCC050EC

Tgt Ion: 43 Resp: 300698

Ion	Ratio	Lower	Upper
43	100		
72	21.8	16.6	24.8

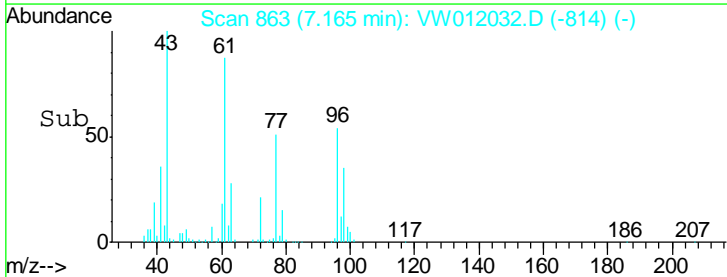
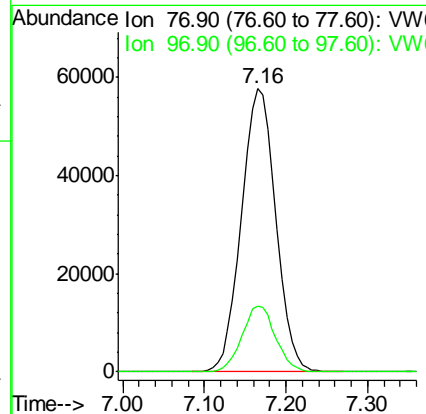
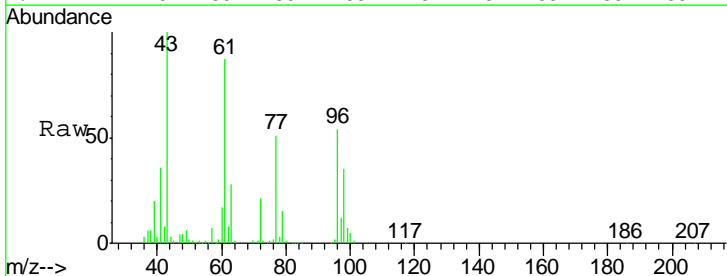
Manual Integrations APPROVED  
 MMDadoda  
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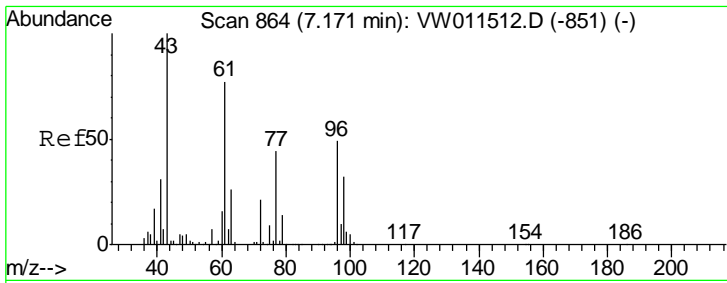


#26  
 2,2-Dichloropropane  
 Concen: 48.173 ug/l  
 RT: 7.16 min Scan# 863  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion: 77 Resp: 168529

Ion	Ratio	Lower	Upper
77	100		
97	22.6	10.8	32.4





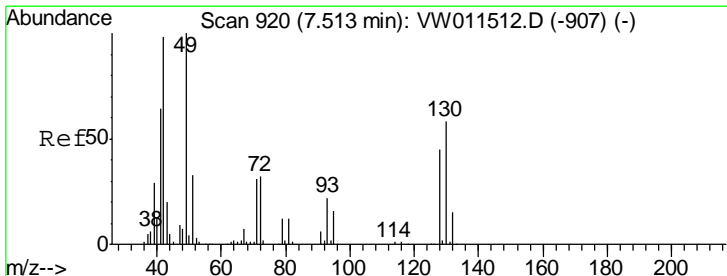
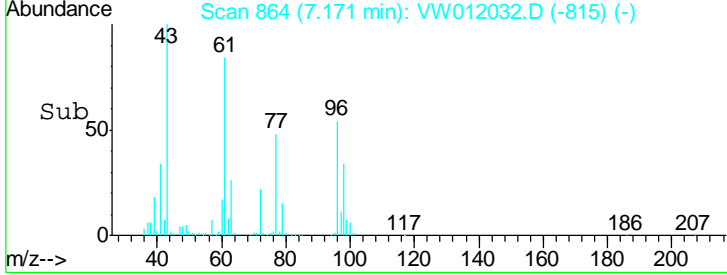
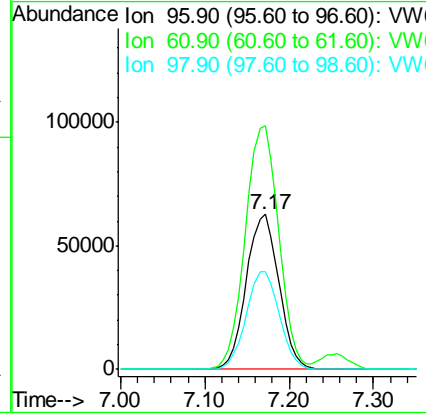
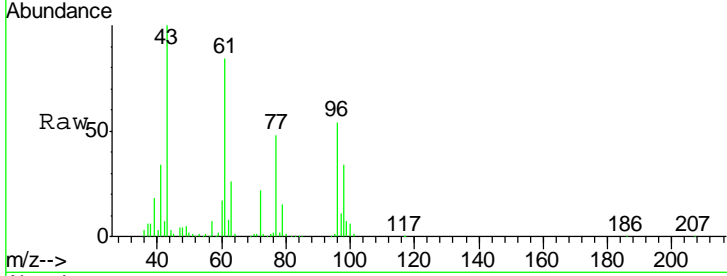
#27  
 cis-1,2-Dichloroethene  
 Concen: 52.092 ug/l  
 RT: 7.17 min Scan# 864  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
96	163722		
96	100		
61	162.0	0.0	328.4
98	64.4	0.0	128.8

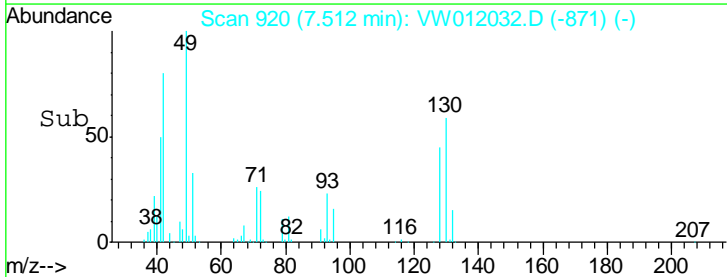
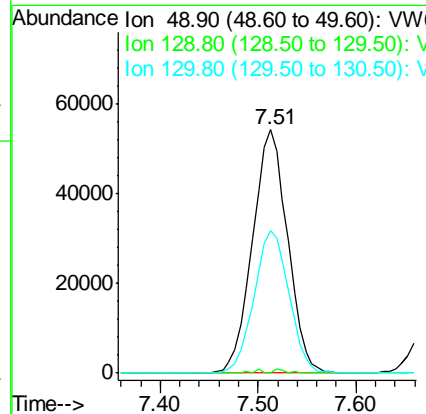
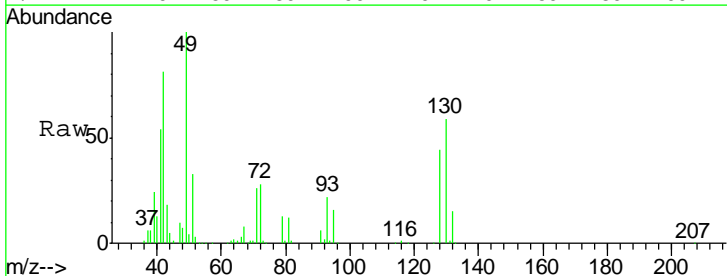
Manual Integrations  
 APPROVED

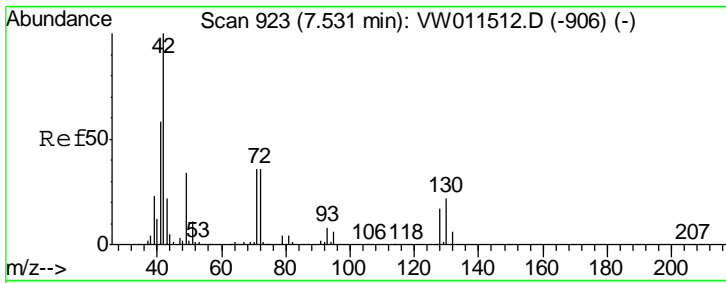
MMDadoda  
 8/21/2019 8:28:55 AM



#28  
 Bromochloromethane  
 Concen: 53.355 ug/l  
 RT: 7.51 min Scan# 920  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
49	134719		
49	100		
129	0.5	0.0	1.0
130	58.4	46.3	69.5





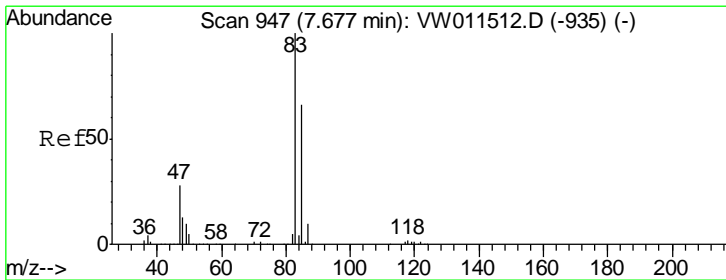
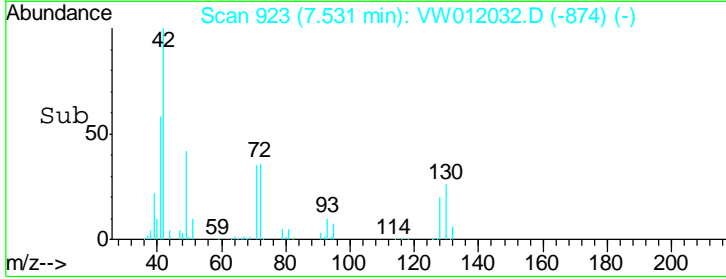
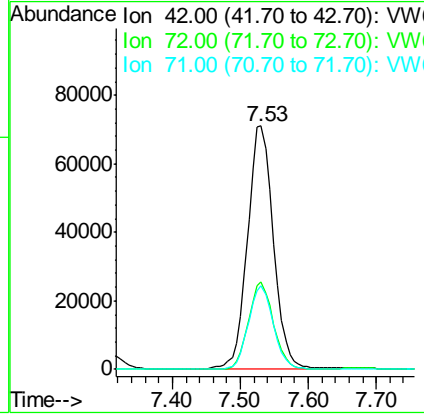
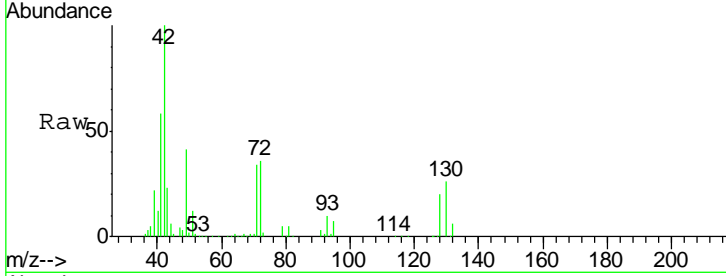
#29  
 Tetrahydrofuran  
 Concen: 271.625 ug/l  
 RT: 7.53 min Scan# 923  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
42	100		
72	34.7	27.1	40.7
71	33.1	26.2	39.4

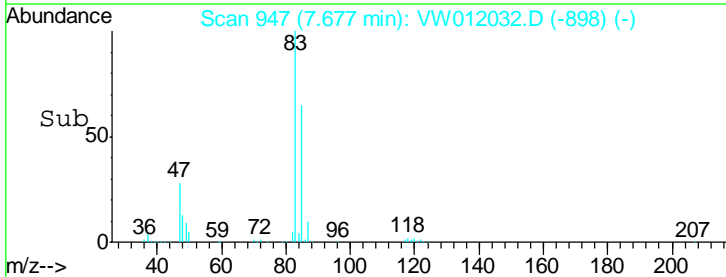
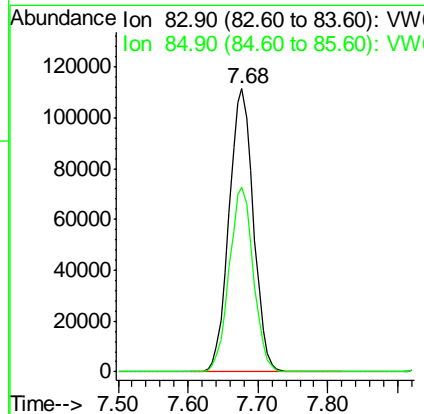
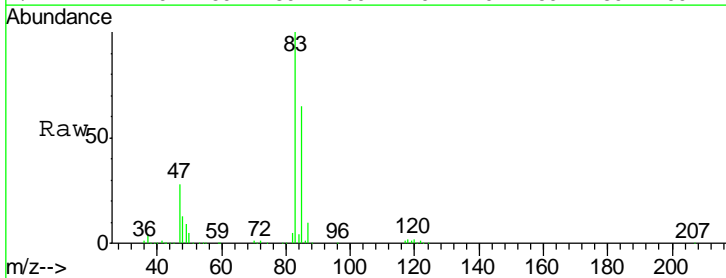
Manual Integrations  
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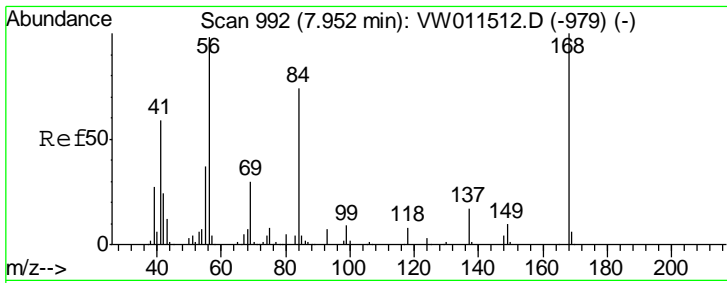
MMDadoda  
 8/21/2019 8:28:55 AM



#30  
 Chloroform  
 Concen: 51.256 ug/l  
 RT: 7.68 min Scan# 947  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.2	52.5	78.7





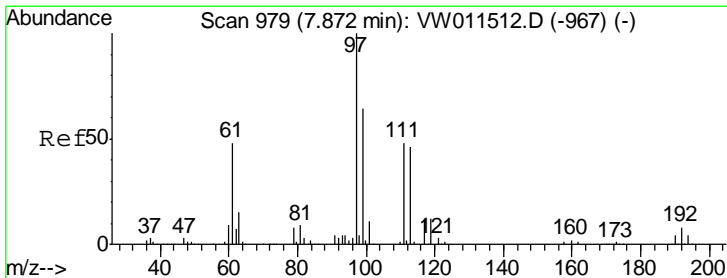
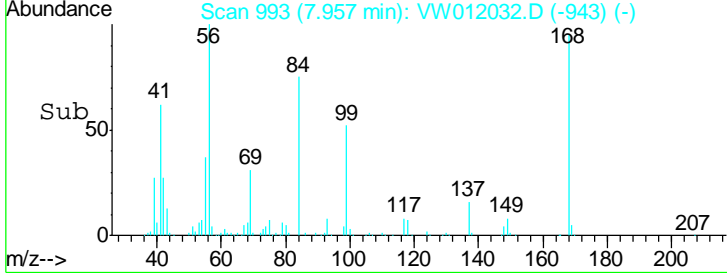
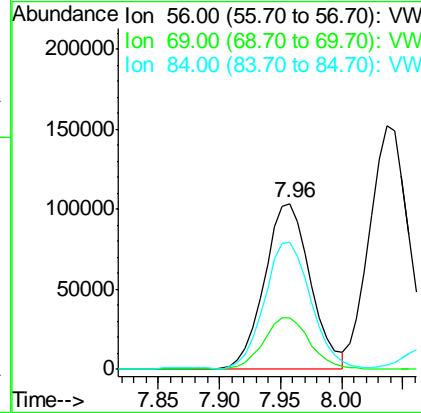
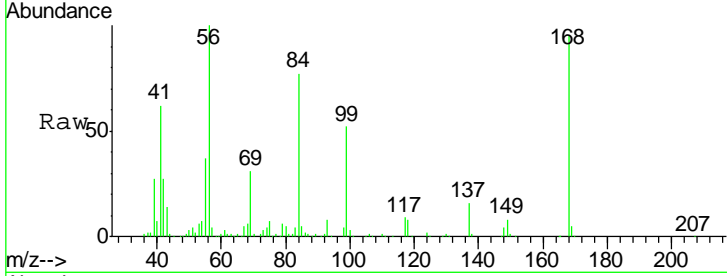
#31  
 Cyclohexane  
 Concen: 49.832 ug/l  
 RT: 7.96 min Scan# 993  
 Delta R.T. 0.01 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
56	100		
69	30.7	24.3	36.5
84	75.4	60.4	90.6

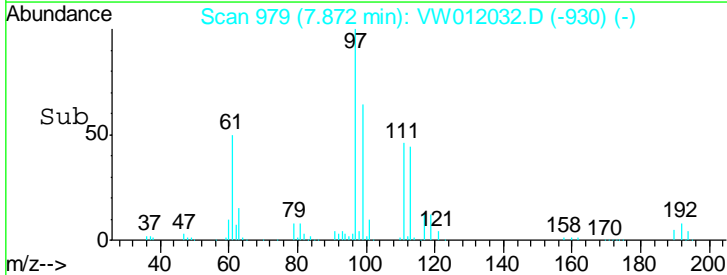
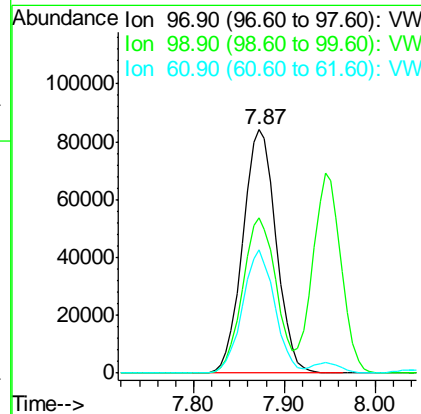
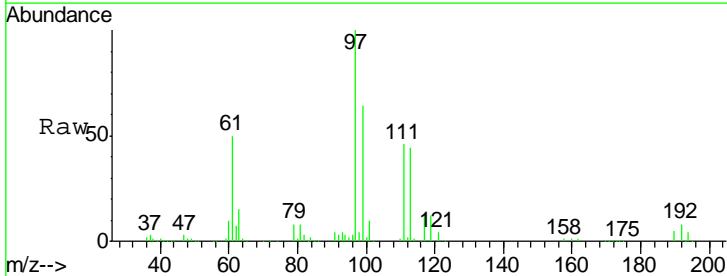
**Manual Integrations**  
**APPROVED**

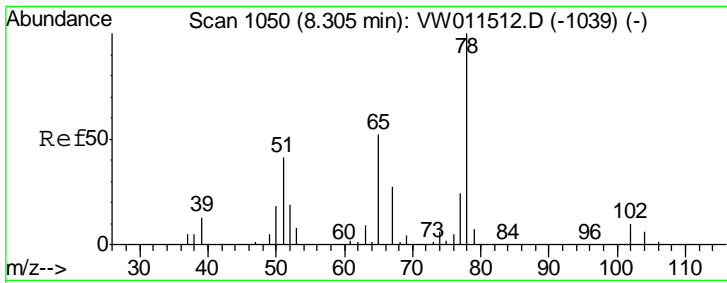
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#32  
 1,1,1-Trichloroethane  
 Concen: 53.667 ug/l  
 RT: 7.87 min Scan# 979  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	48.8	39.8	59.6



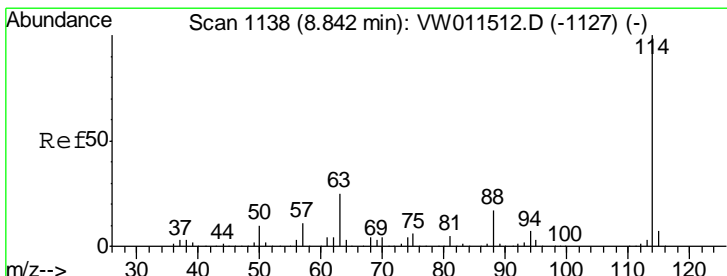
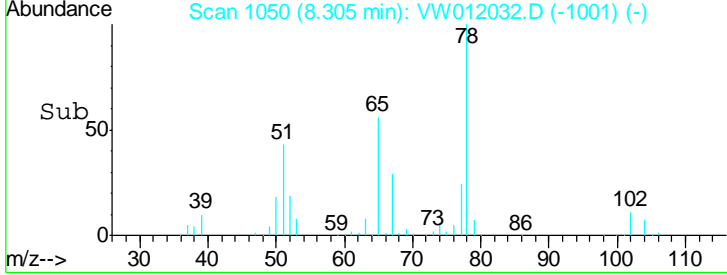
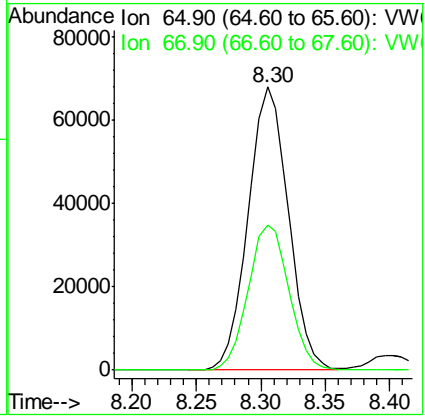
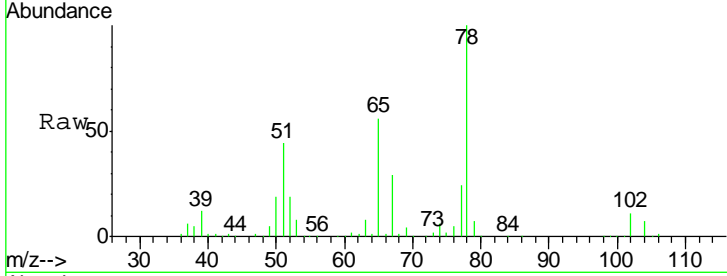


#33  
 1,2-Dichloroethane-d4  
 Concen: 50.195 ug/l  
 RT: 8.30 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
65	146593		
65	100		
67	52.0	0.0	105.2

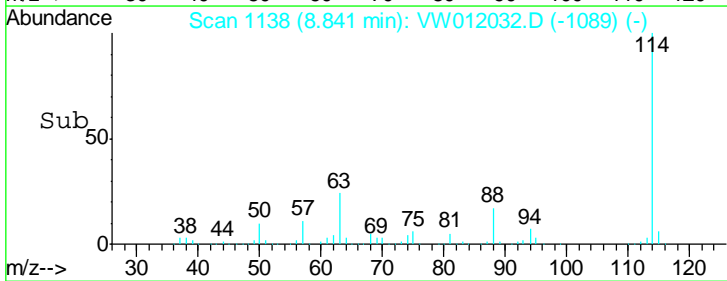
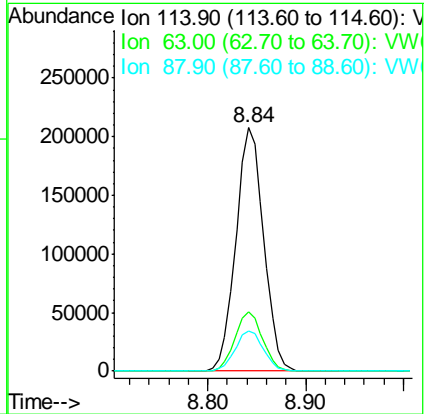
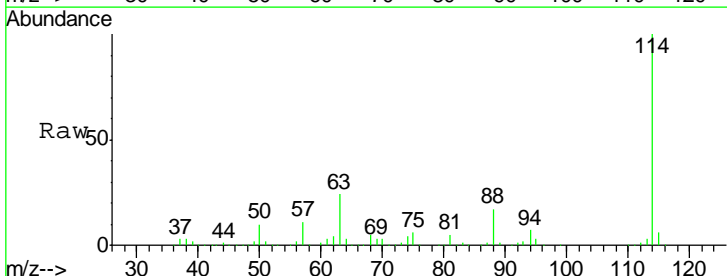
Instrument : MSVOA\_W  
 ClientSampled : VSTDCCC050EC

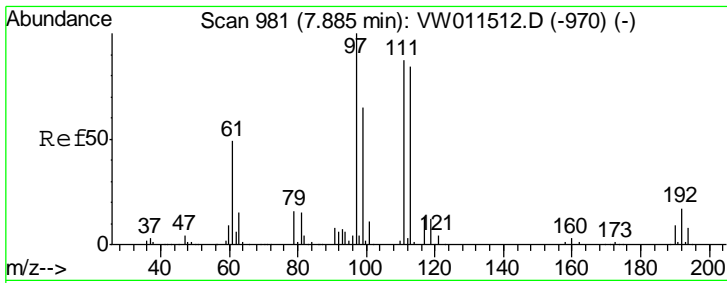
Manual Integrations  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
114	408114		
114	100		
63	24.4	0.0	49.2
88	16.7	0.0	33.8





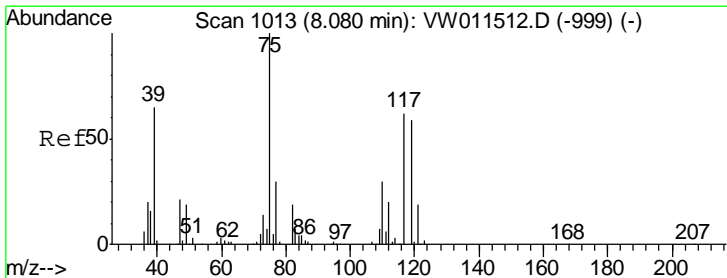
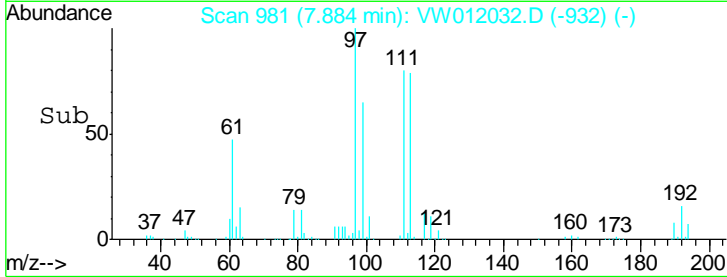
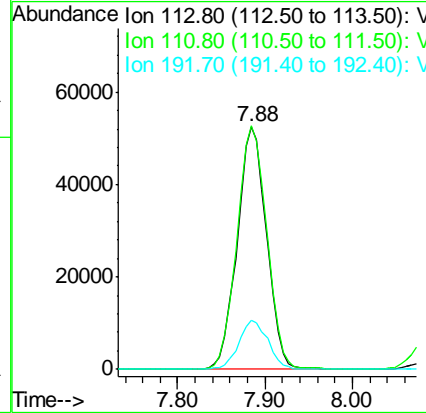
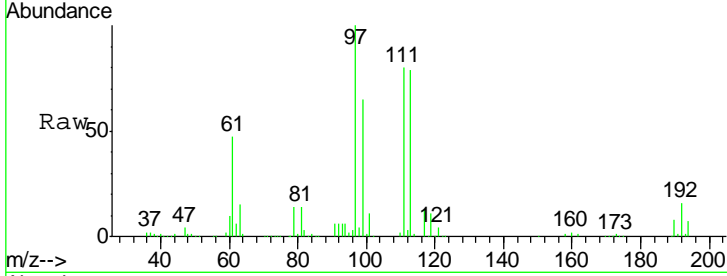
#35  
 Dibromofluoromethane  
 Concen: 53.384 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
113	100		
111	102.4	82.7	124.1
192	20.0	16.1	24.1

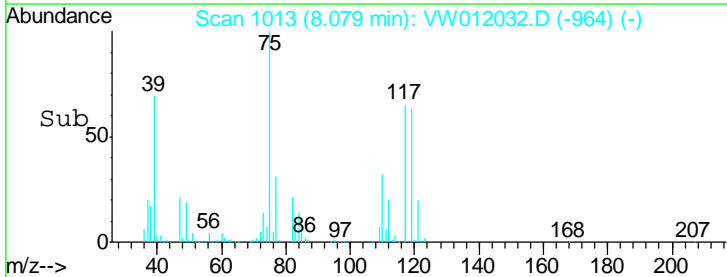
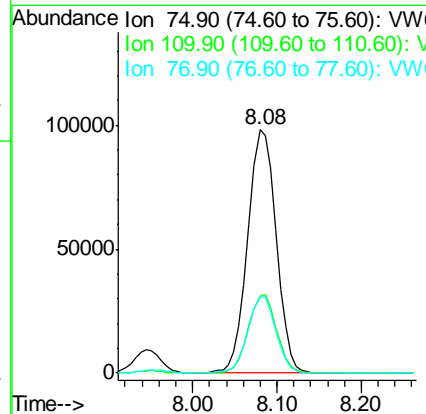
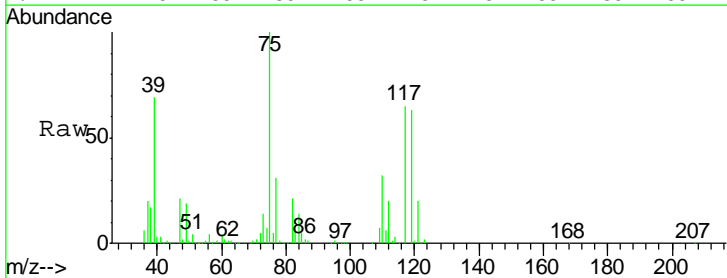
**Manual Integrations**  
**APPROVED**

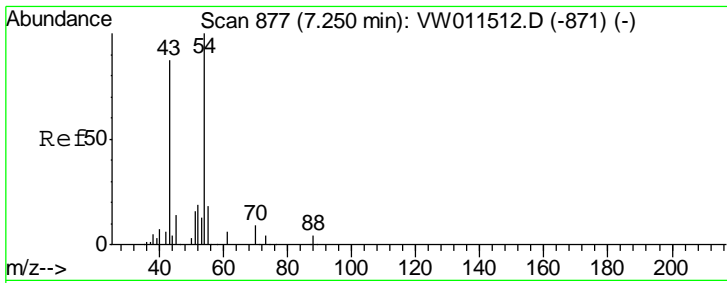
MMDadoda  
 8/21/2019 8:28:55 AM



#36  
 1,1-Dichloropropene  
 Concen: 52.842 ug/l  
 RT: 8.08 min Scan# 1013  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
75	100		
110	31.8	15.6	46.8
77	31.1	24.3	36.5





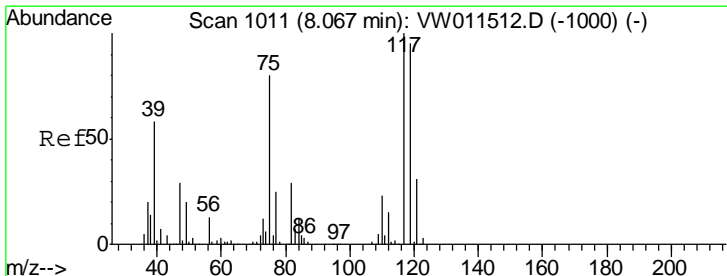
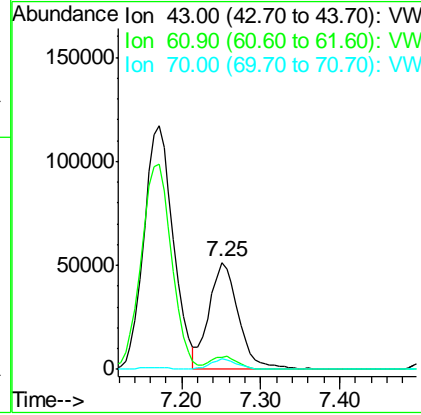
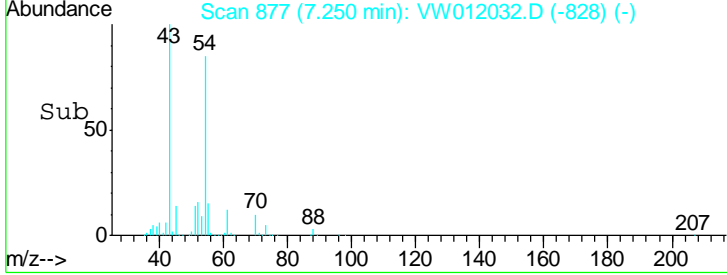
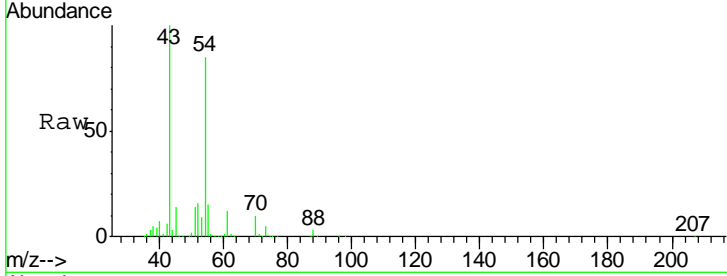
#37  
 Ethyl Acetate  
 Concen: 54.389 ug/l  
 RT: 7.25 min Scan# 877  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
43	100		
61	11.4	8.8	13.2
70	8.8	7.1	10.7

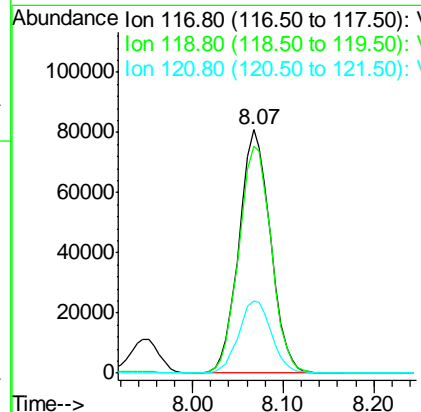
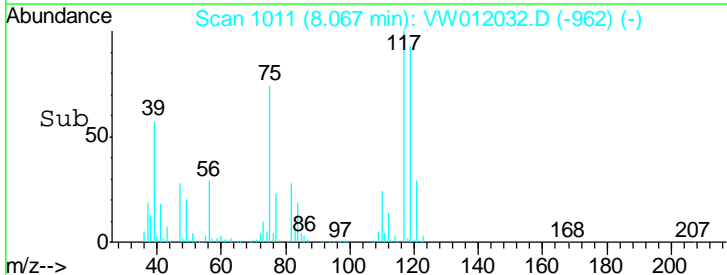
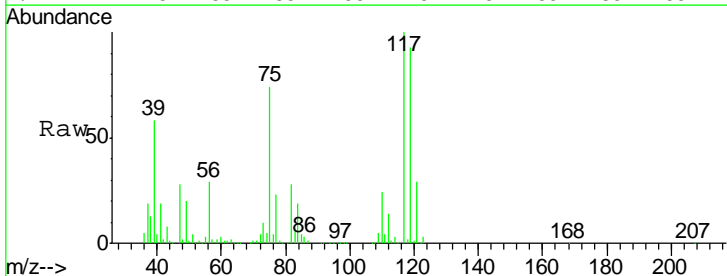
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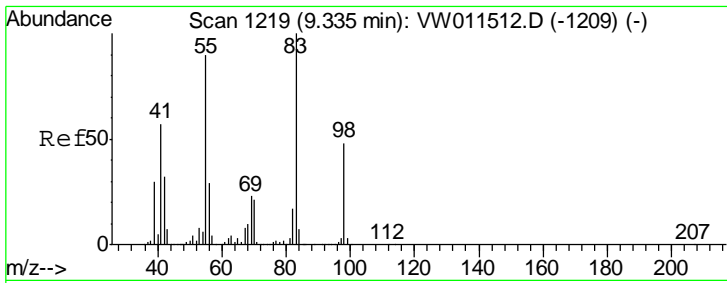
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 8/21/2019 8:28:55 AM



#38  
 Carbon Tetrachloride  
 Concen: 53.581 ug/l  
 RT: 8.07 min Scan# 1011  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
117	100		
119	93.3	75.8	113.6
121	29.4	24.7	37.1





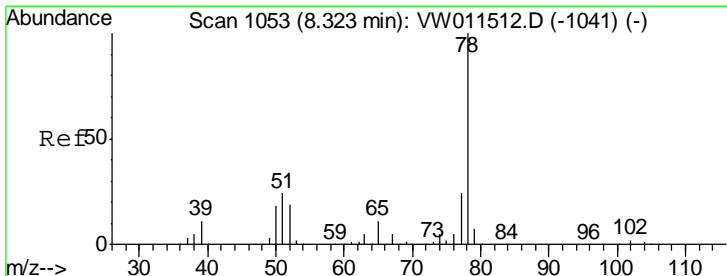
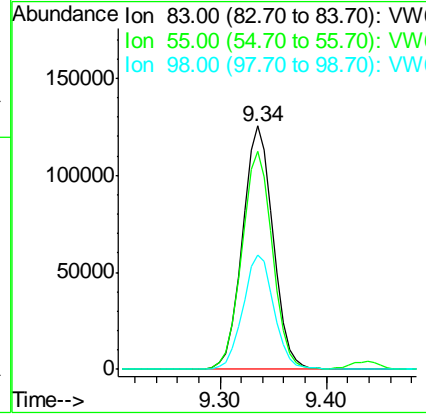
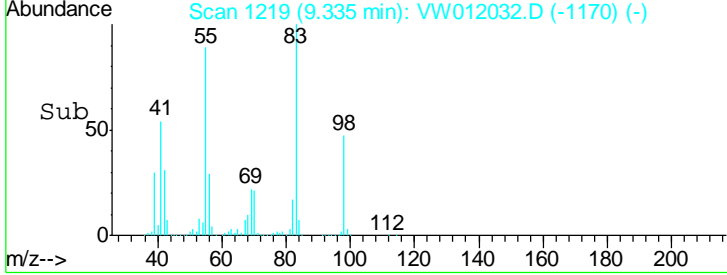
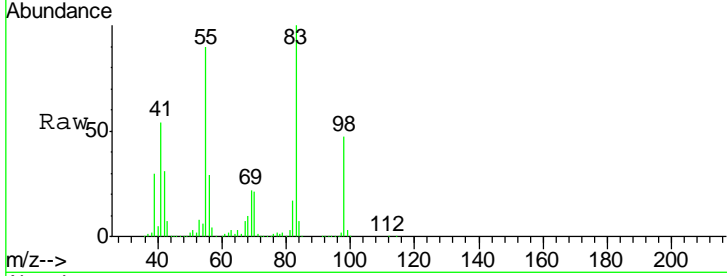
#39  
 Methylcyclohexane  
 Concen: 54.232 ug/l  
 RT: 9.34 min Scan# 1219  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
83	100		
55	89.5	72.1	108.1
98	47.0	38.6	57.8

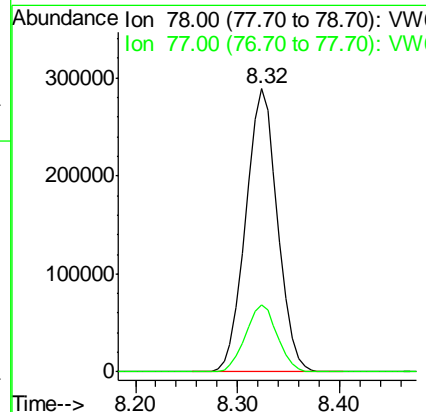
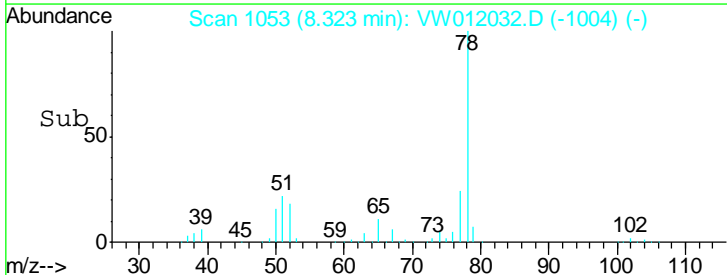
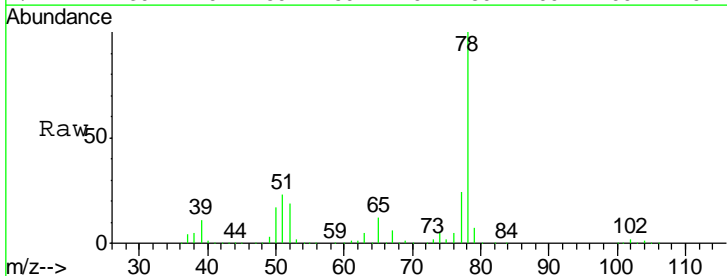
**Manual Integrations**  
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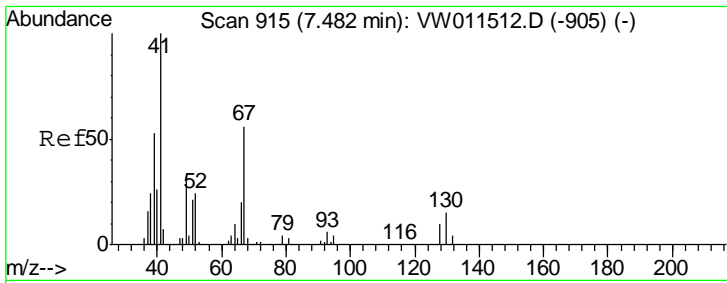


#40  
 Benzene  
 Concen: 52.541 ug/l  
 RT: 8.32 min Scan# 1053  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
78	100		
77	23.8	19.4	29.0

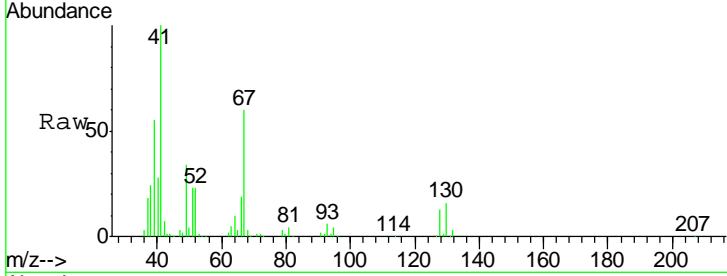






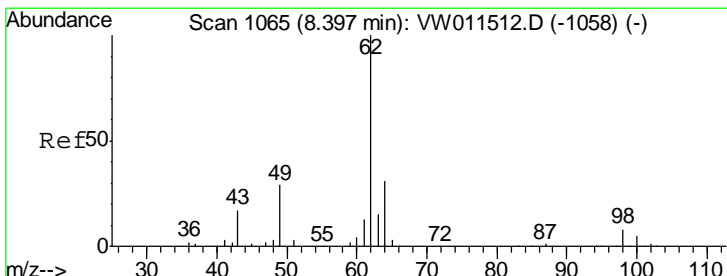
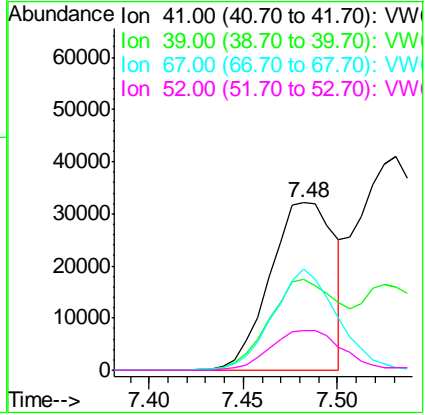
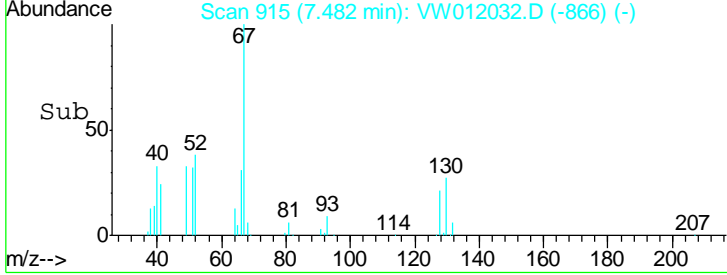
#41  
 Methacrylonitrile  
 Concen: 52.379 ug/l  
 RT: 7.48 min Scan# 915  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDCCC050EC

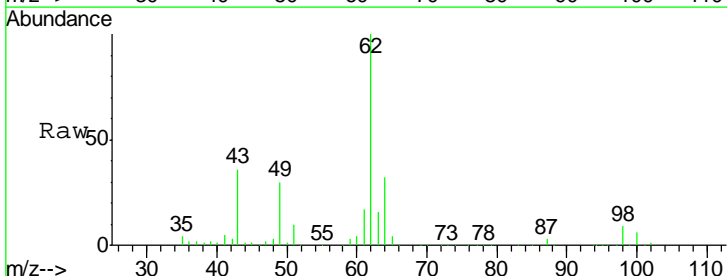


Tgt Ion	Resp	Lower	Upper
41	100		
39	59.6	43.0	64.4
67	60.0	47.5	71.3
52	27.1	21.0	31.6

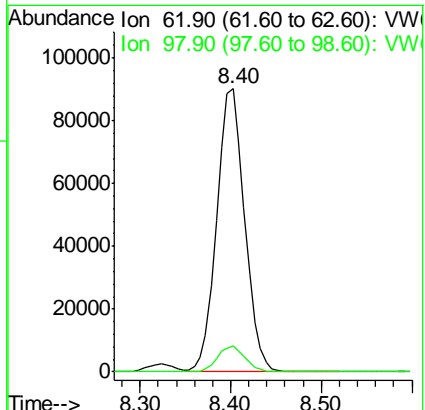
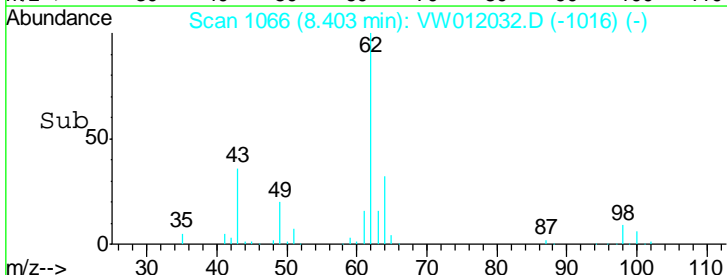
Manual Integrations  
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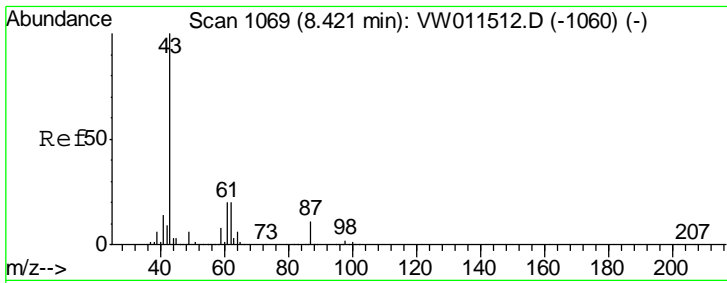


#42  
 1,2-Dichloroethane  
 Concen: 52.089 ug/l  
 RT: 8.40 min Scan# 1066  
 Delta R.T. 0.01 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27



Tgt Ion	Resp	Lower	Upper
62	100		
98	9.1	0.0	16.8





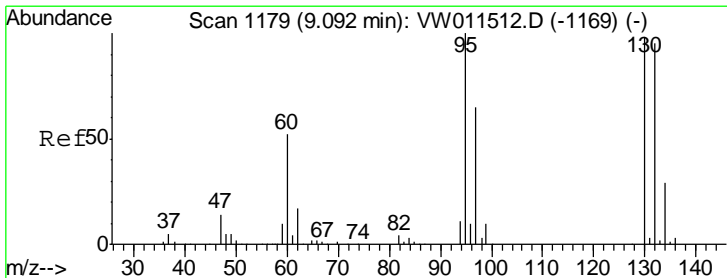
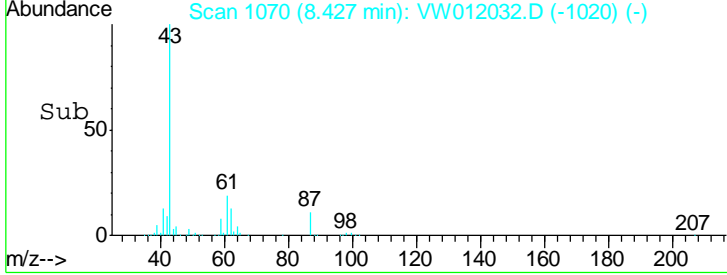
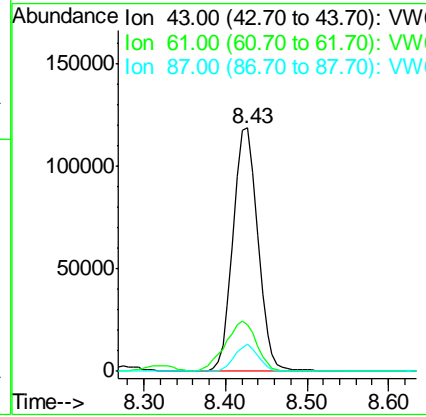
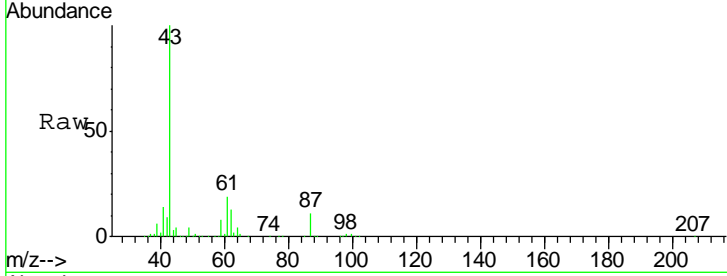
#43  
 Isopropyl Acetate  
 Concen: 55.303 ug/l  
 RT: 8.43 min Scan# 1070  
 Delta R.T. 0.01 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
43	100		
61	26.2	21.5	32.3
87	10.6	8.4	12.6

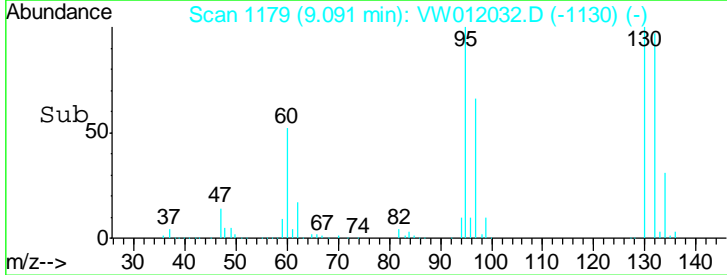
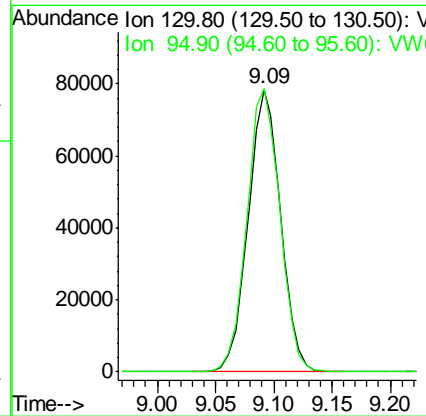
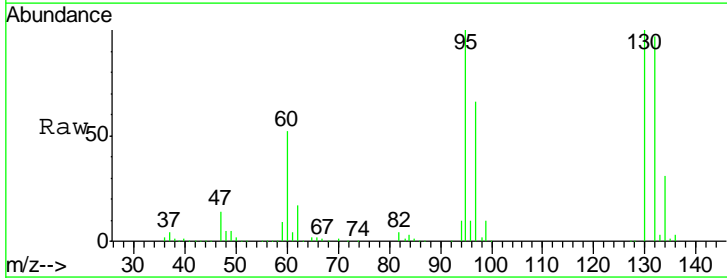
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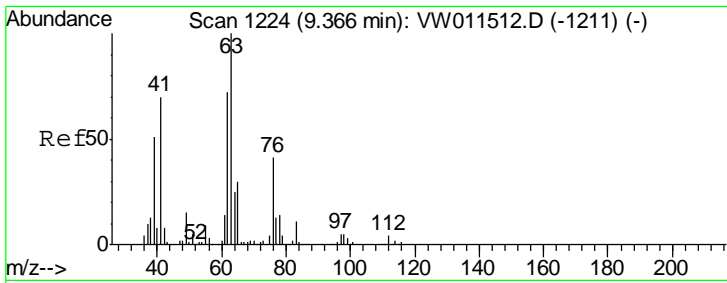
MMDadoda  
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#44  
 Trichloroethene  
 Concen: 53.185 ug/l  
 RT: 9.09 min Scan# 1179  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
130	100		
95	100.2	0.0	204.8





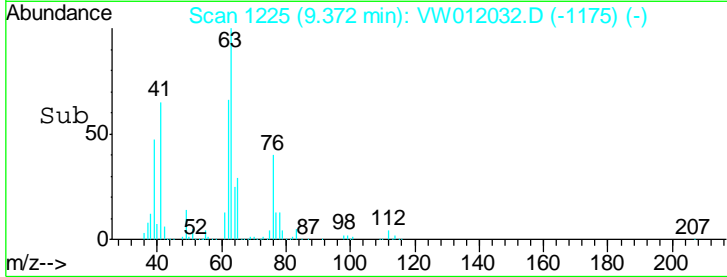
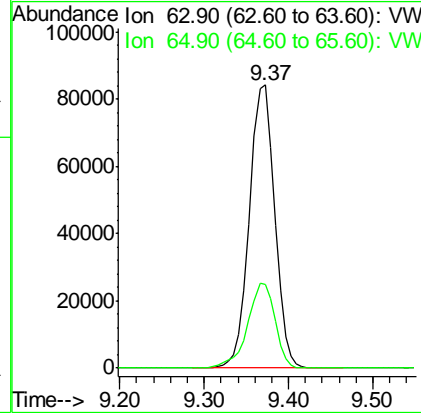
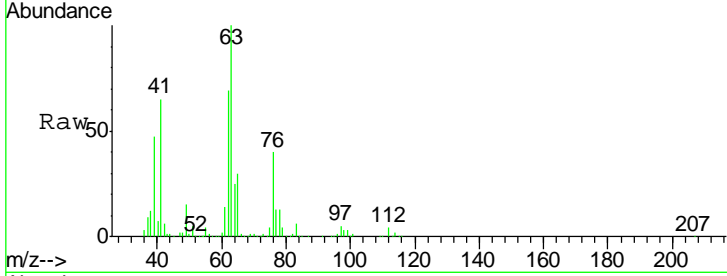
#45  
 1,2-Dichloropropane  
 Concen: 53.620 ug/l  
 RT: 9.37 min Scan# 1225  
 Delta R.T. 0.01 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
63	170537		
63	100		
65	29.8	24.2	36.4

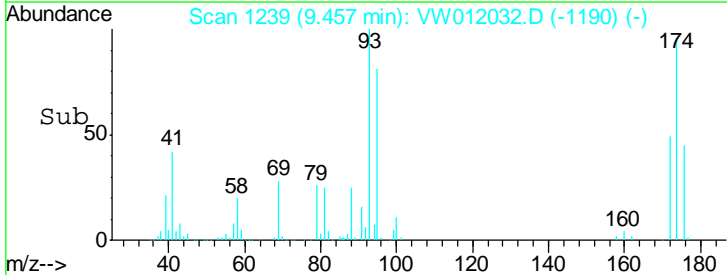
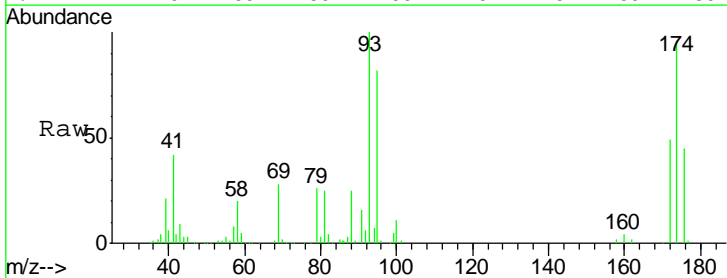
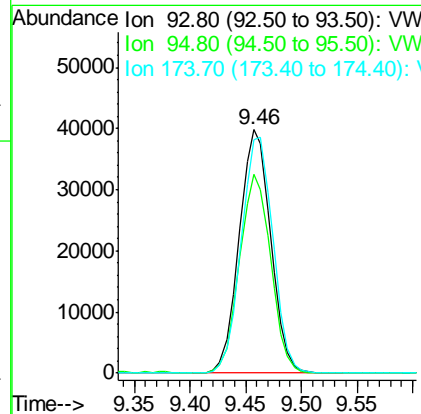
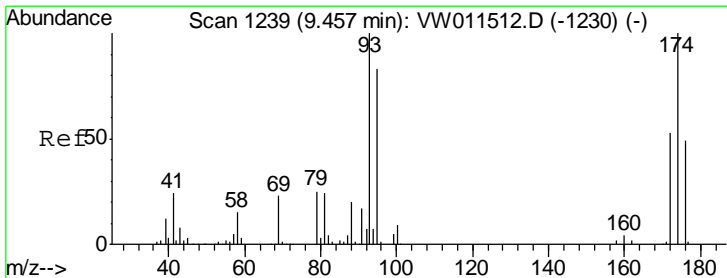
**Manual Integrations**  
**APPROVED**

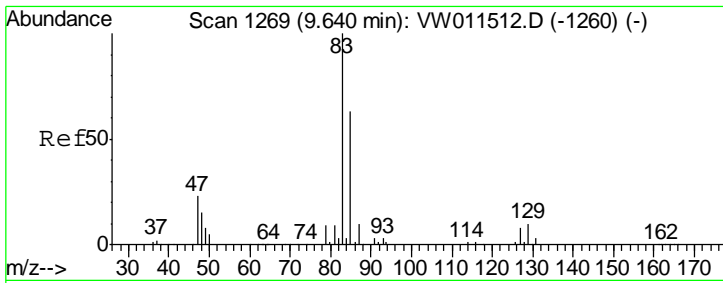
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#46  
 Dibromomethane  
 Concen: 53.669 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
93	77908		
93	100		
95	81.4	66.2	99.2
174	98.1	78.2	117.4





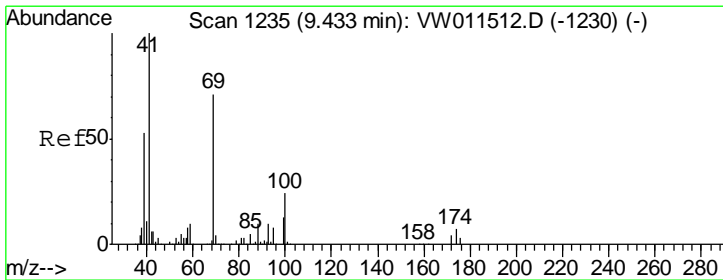
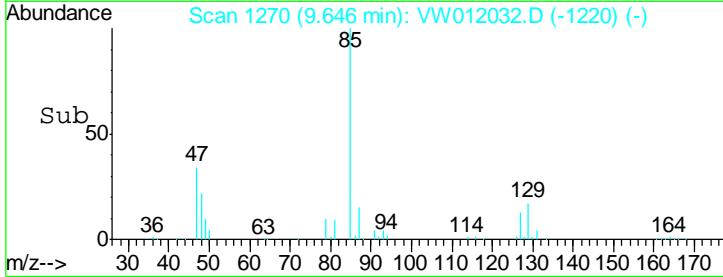
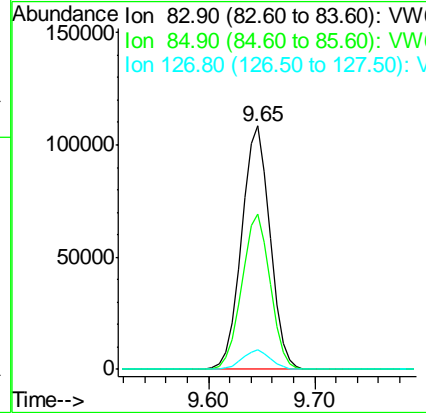
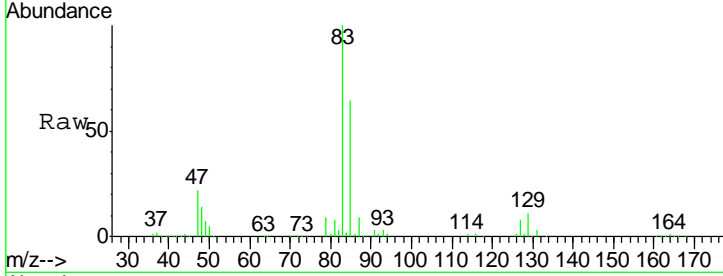
#47  
 Bromodichloromethane  
 Concen: 53.383 ug/l  
 RT: 9.65 min Scan# 1270  
 Delta R.T. 0.01 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
83	203271		
85	63.6	50.5	75.7
127	8.2	6.4	9.6

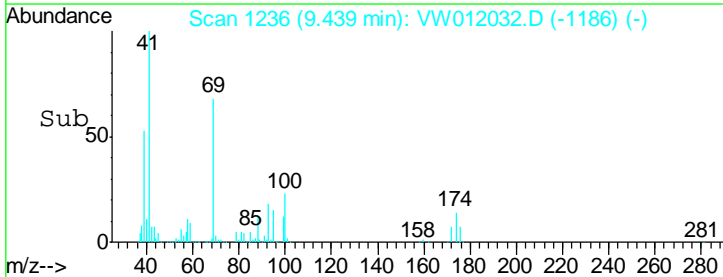
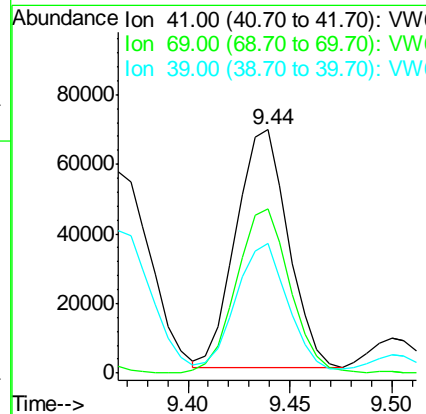
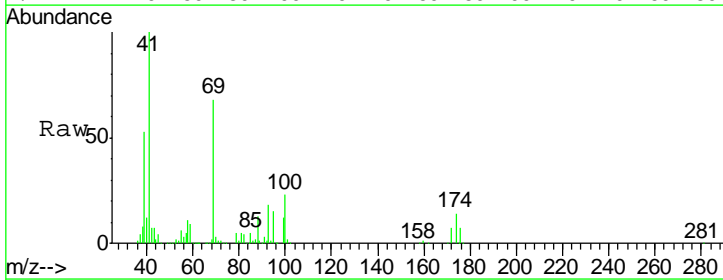
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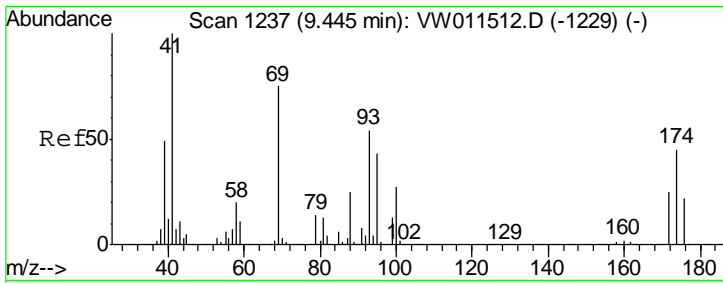
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#48  
 Methyl methacrylate  
 Concen: 56.117 ug/l  
 RT: 9.44 min Scan# 1236  
 Delta R.T. 0.01 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
41	121036		
69	71.8	57.1	85.7
39	51.1	45.4	68.2



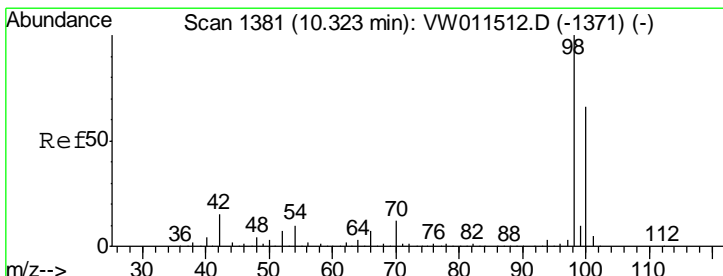
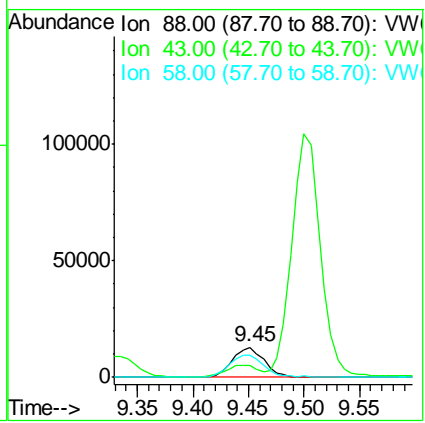
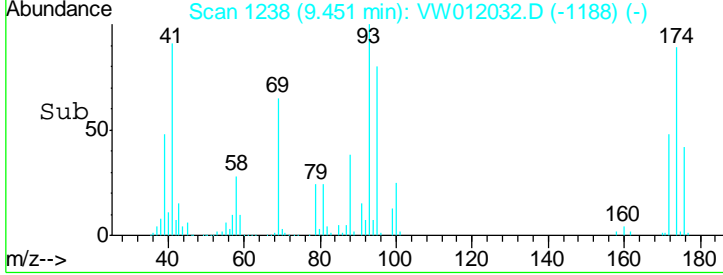
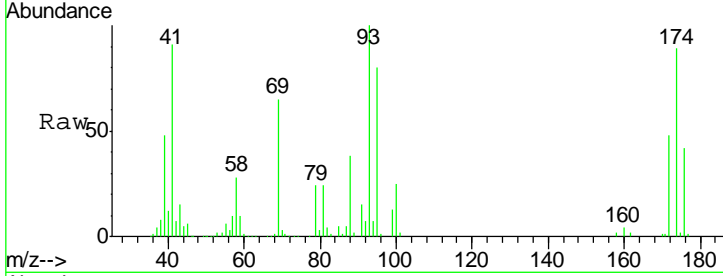


#49  
 1,4-Dioxane  
 Concen: 1210.733 ug/l  
 RT: 9.45 min Scan# 1238  
 Delta R.T. 0.01 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDCCC050EC

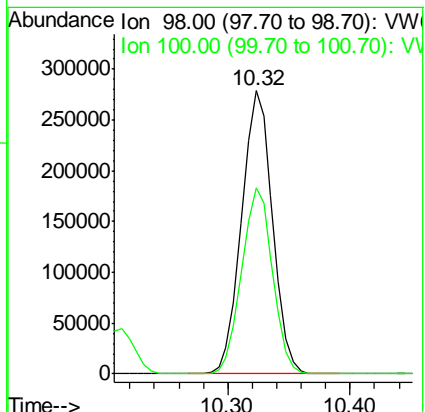
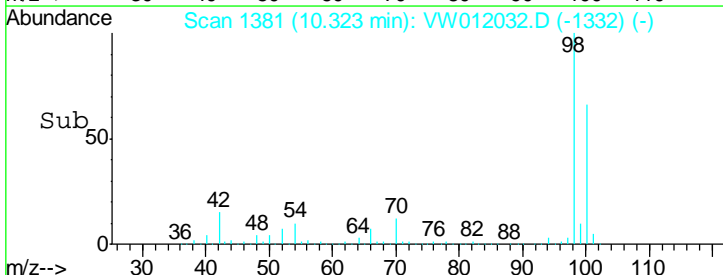
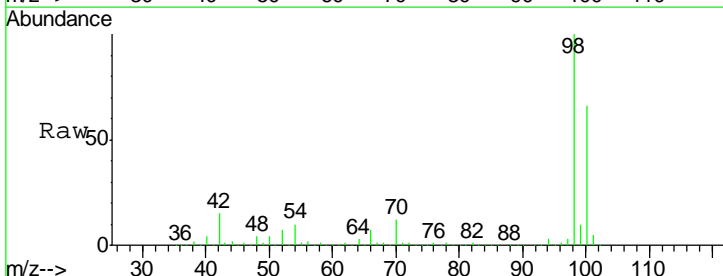
Tgt Ion	Resp	Lower	Upper
88	100		
43	40.3	34.0	51.0
58	84.4	69.7	104.5

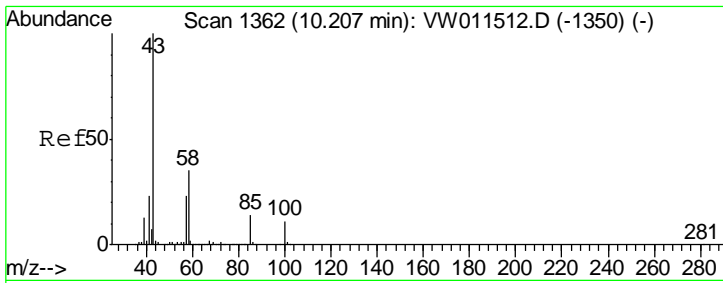
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#50  
 Toluene-d8  
 Concen: 52.048 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
98	100		
100	65.5	52.7	79.1



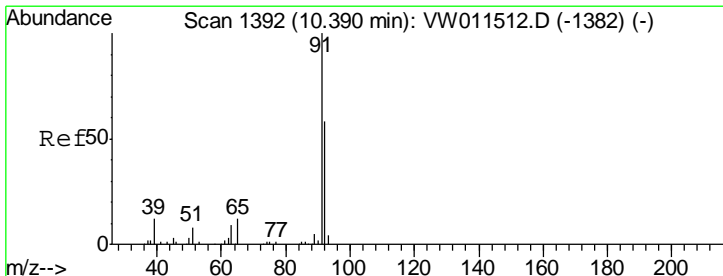
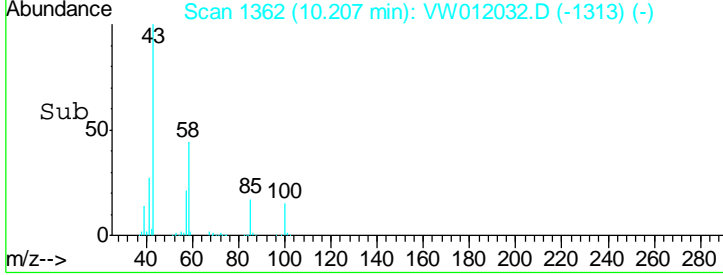
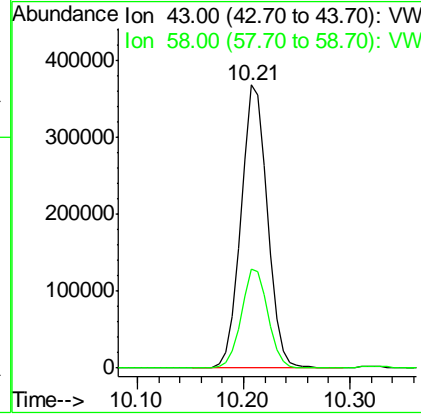
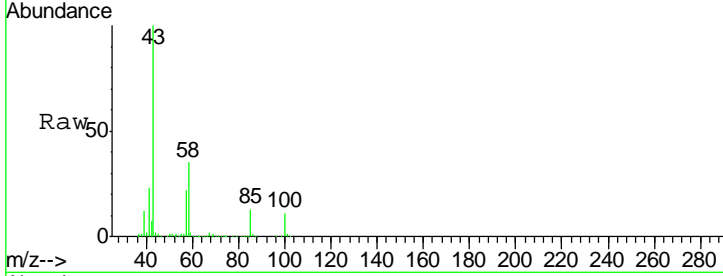


#51  
 4-Methyl-2-Pentanone  
 Concen: 275.650 ug/l  
 RT: 10.21 min Scan# 1362  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
43	100		
58	35.3	28.2	42.2

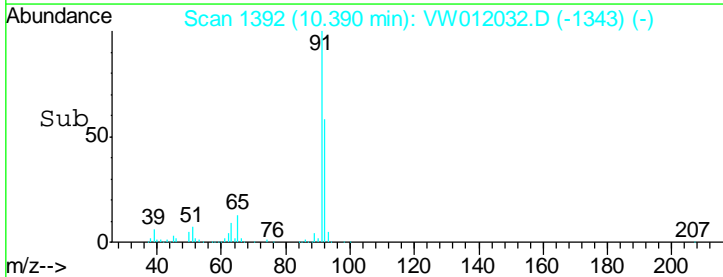
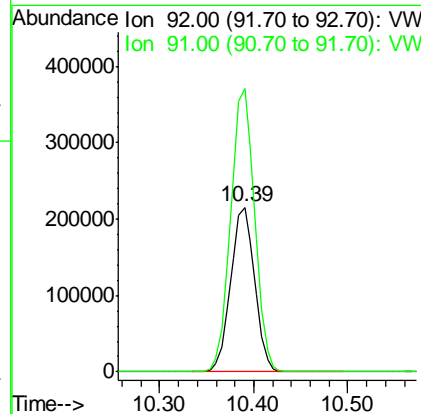
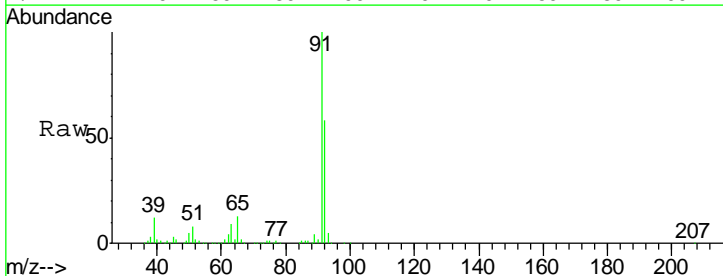
Instrument : MSVOA\_W  
 ClientSampled : VSTDCCC050EC

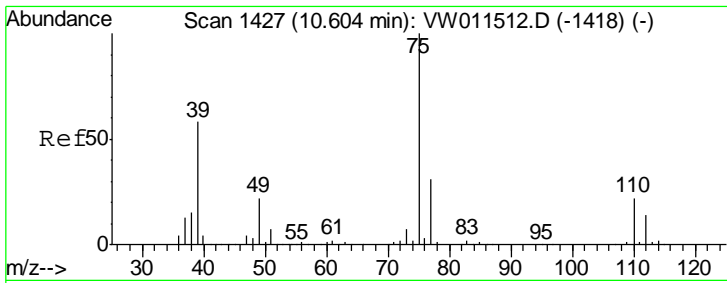
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#52  
 Toluene  
 Concen: 52.958 ug/l  
 RT: 10.39 min Scan# 1392  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
92	100		
91	171.8	136.7	205.1



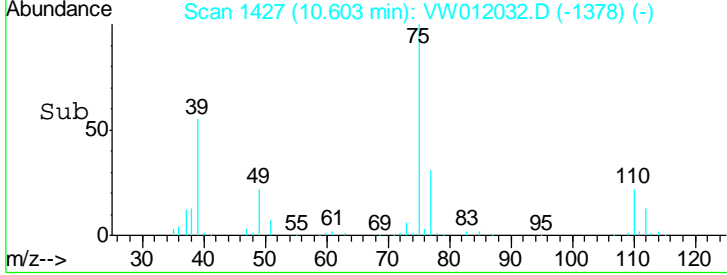
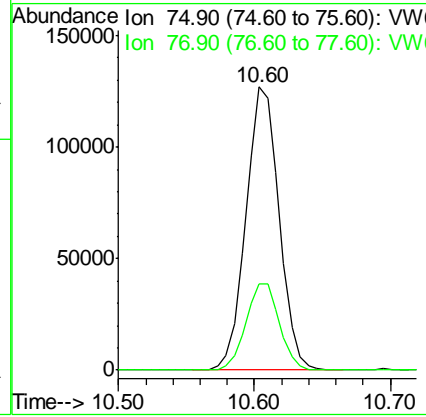
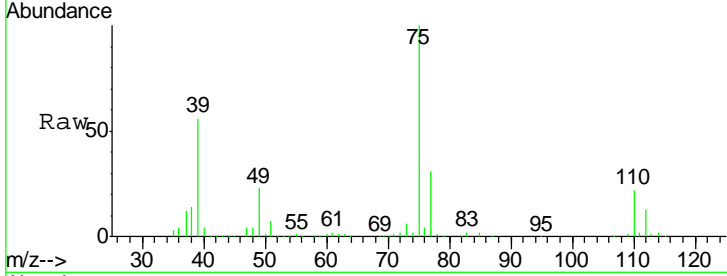


#53  
 t-1,3-Dichloropropene  
 Concen: 54.435 ug/l  
 RT: 10.60 min Scan# 1427  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDCCC050EC

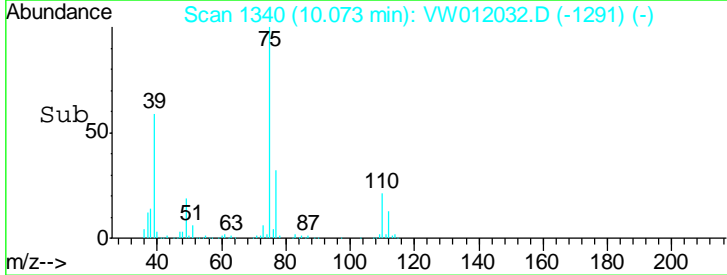
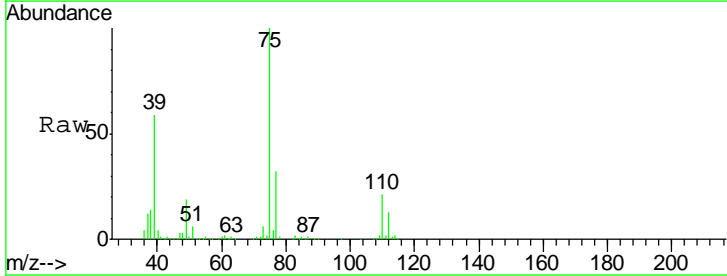
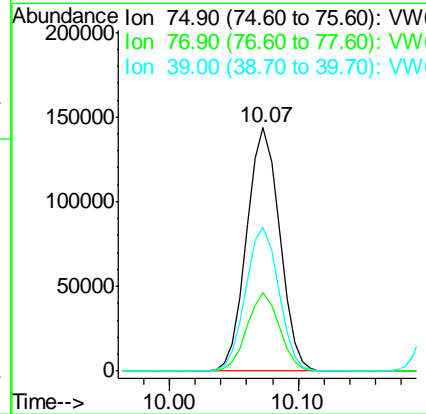
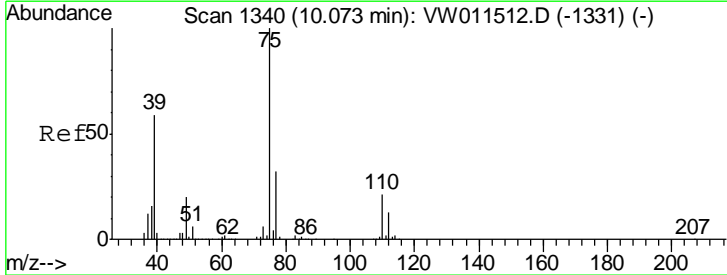
Tgt Ion	Resp	Lower	Upper
75	100		
77	30.6	25.0	37.4

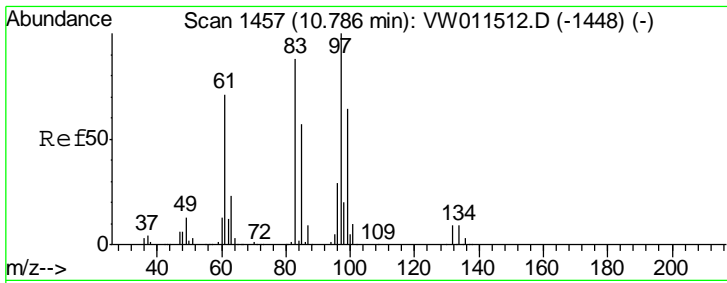
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#54  
 cis-1,3-Dichloropropene  
 Concen: 53.699 ug/l  
 RT: 10.07 min Scan# 1340  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

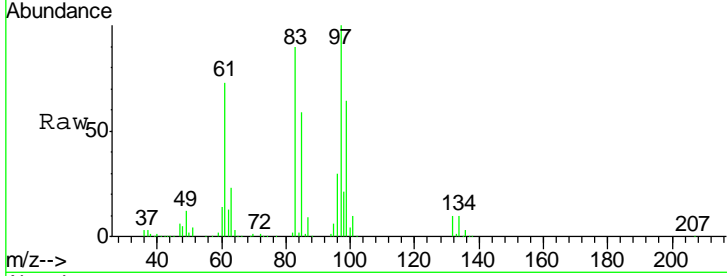
Tgt Ion	Resp	Lower	Upper
75	100		
77	32.1	25.6	38.4
39	58.9	47.0	70.4





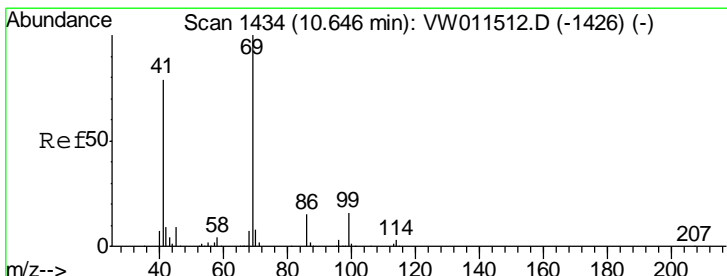
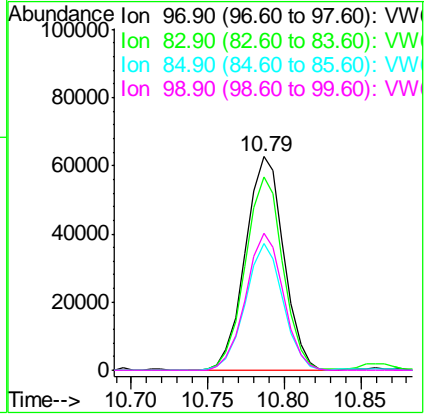
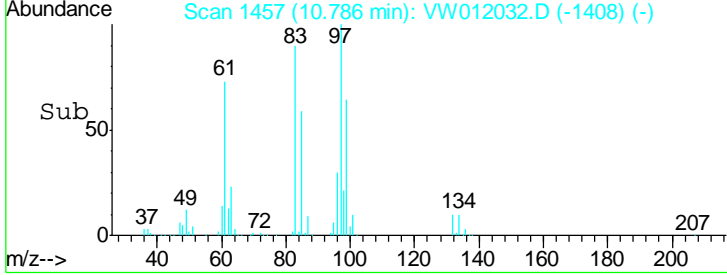
#55  
 1,1,2-Trichloroethane  
 Concen: 53.196 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDCCC050EC

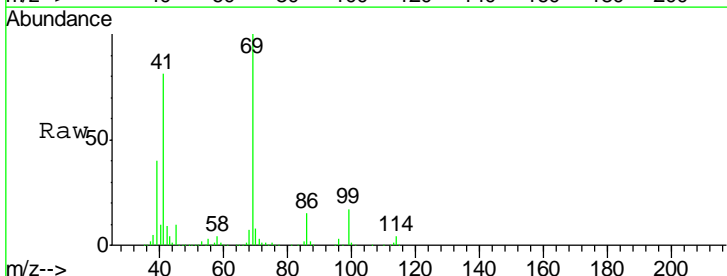


Tgt Ion	Resp	Lower	Upper
97	109566		
97	100		
83	90.2	70.5	105.7
85	59.3	45.8	68.6
99	64.3	51.0	76.4

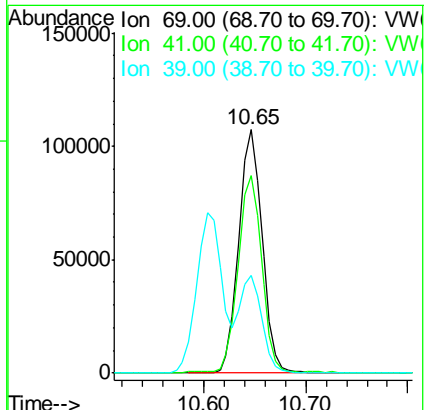
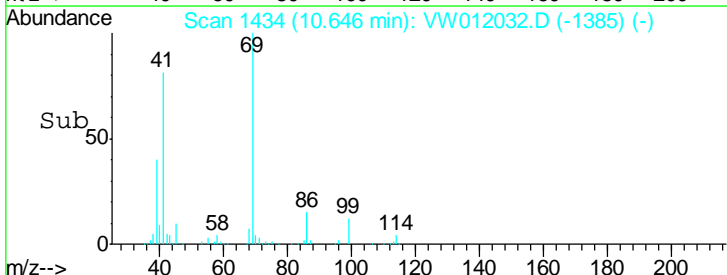
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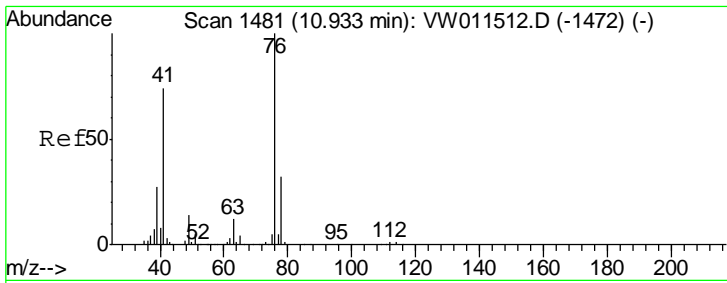
#56  
 Ethyl methacrylate  
 Concen: 56.385 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27



Tgt Ion	Resp	Lower	Upper
69	169941		
69	100		
41	80.9	66.6	99.8
39	38.0	30.3	45.5







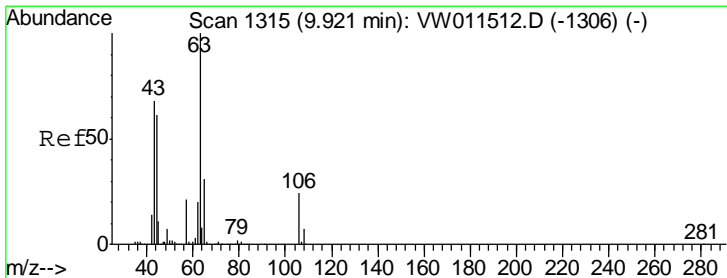
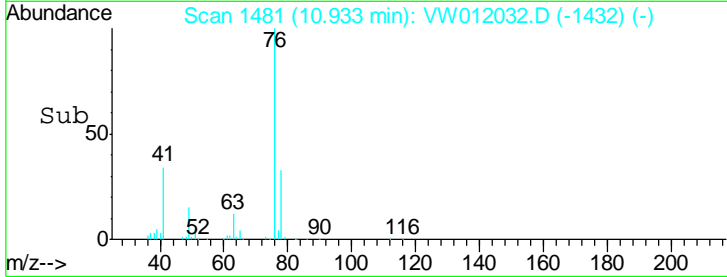
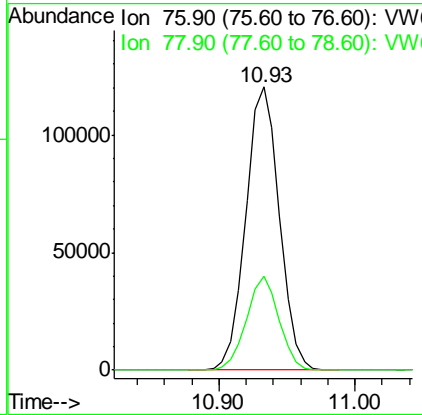
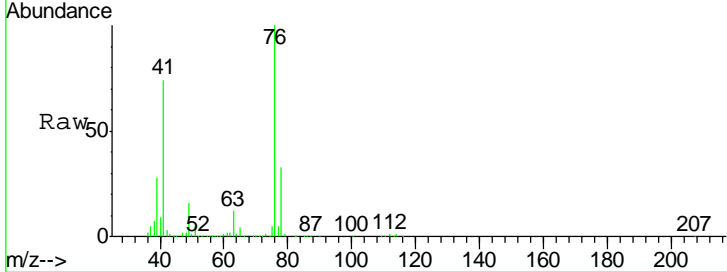
#57  
 1,3-Dichloropropane  
 Concen: 53.404 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
76	100		
78	32.1	25.2	37.8

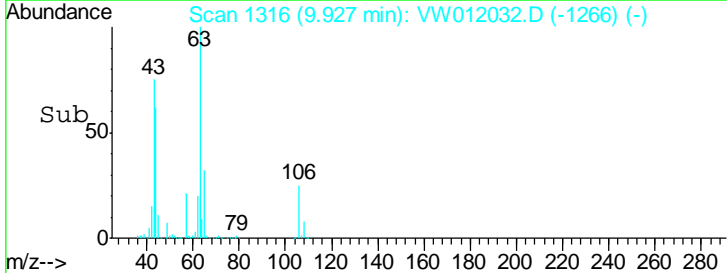
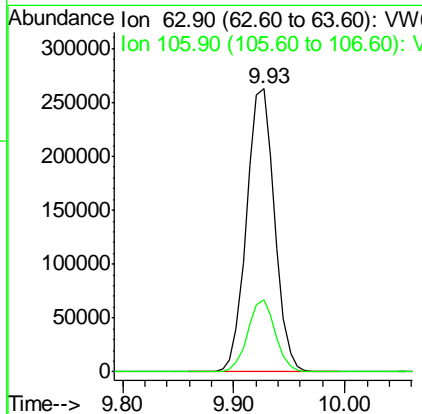
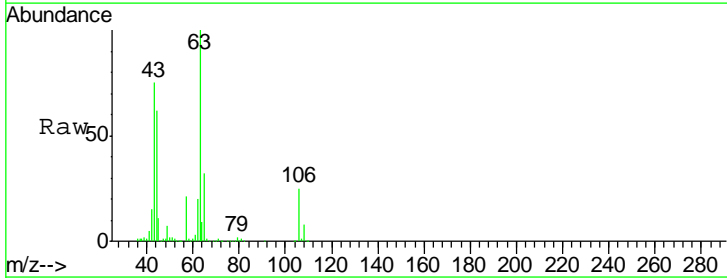
Manual Integrations  
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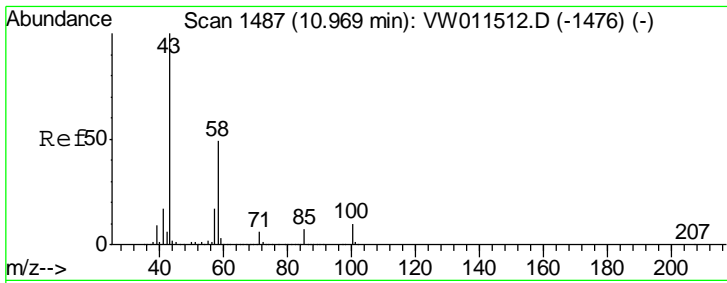
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 335.910 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. 0.01 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
63	100		
106	24.8	19.7	29.5



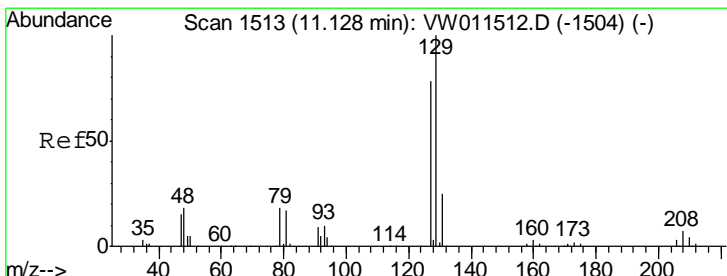
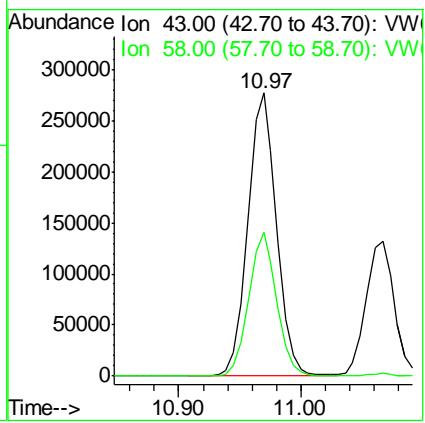
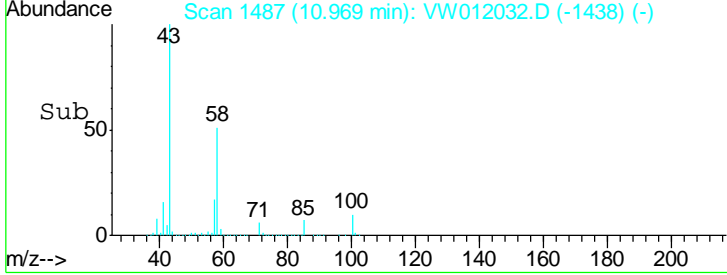
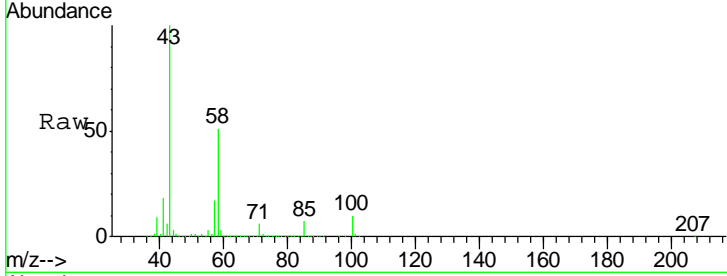


#59  
 2-Hexanone  
 Concen: 272.839 ug/l  
 RT: 10.97 min Scan# 1487  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDCCC050EC

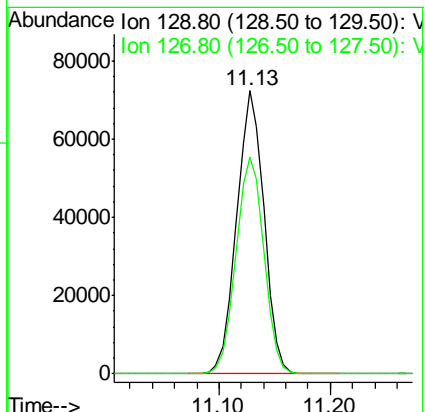
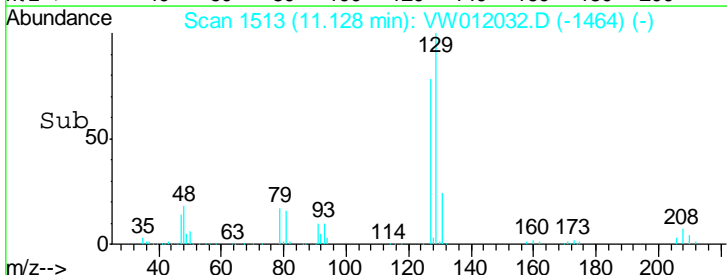
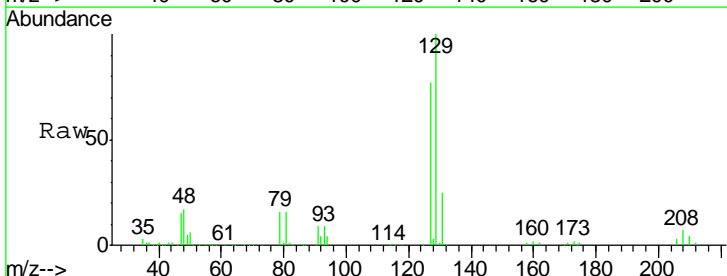
Tgt Ion	Resp	Lower	Upper
43	100		
58	49.7	24.3	72.9

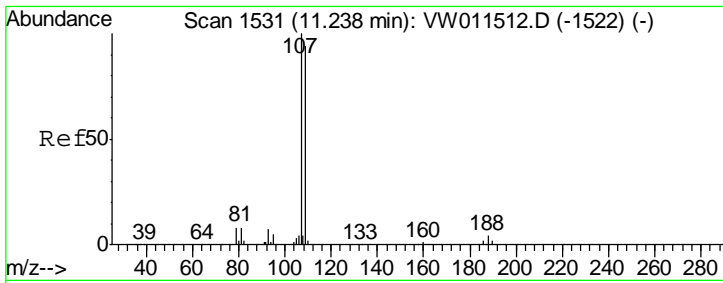
Manual Integrations  
**APPROVED**  
 MMDadoda  
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#60  
 Dibromochloromethane  
 Concen: 53.716 ug/l  
 RT: 11.13 min Scan# 1513  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
129	100		
127	78.1	38.9	116.7





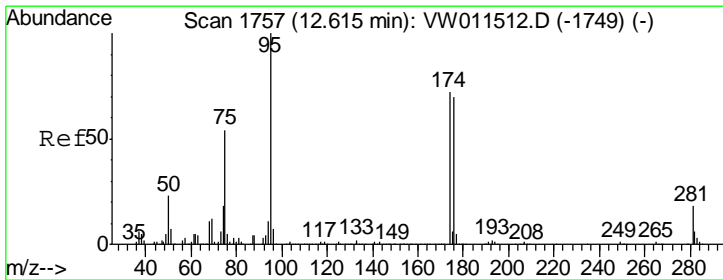
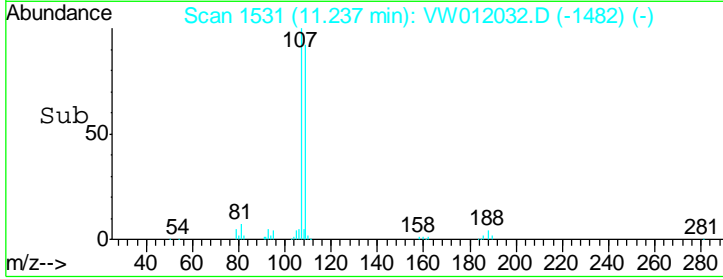
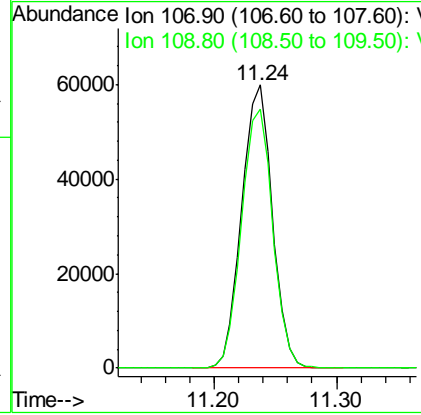
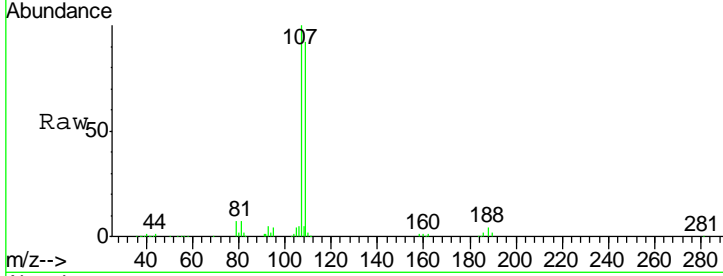
#61  
 1,2-Dibromoethane  
 Concen: 53.410 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
107	104102		
109	93.5	75.0	112.6

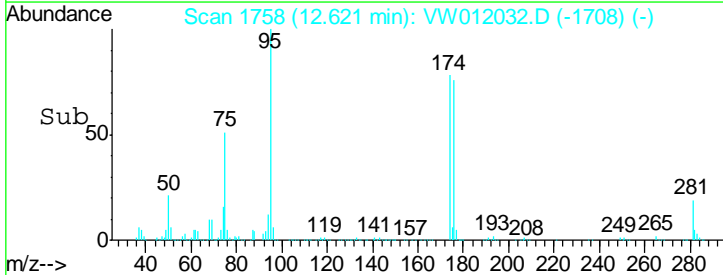
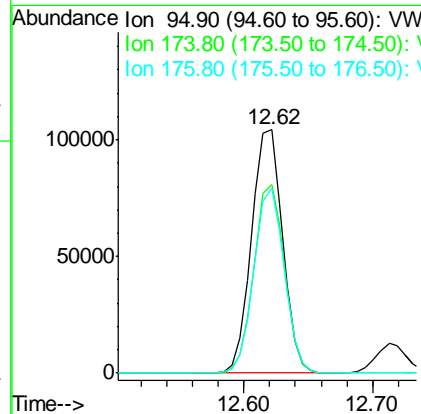
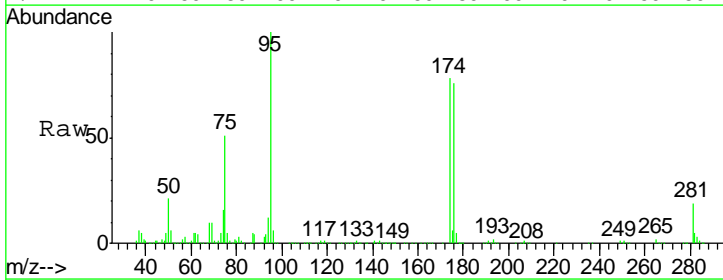
Manual Integrations  
 APPROVED

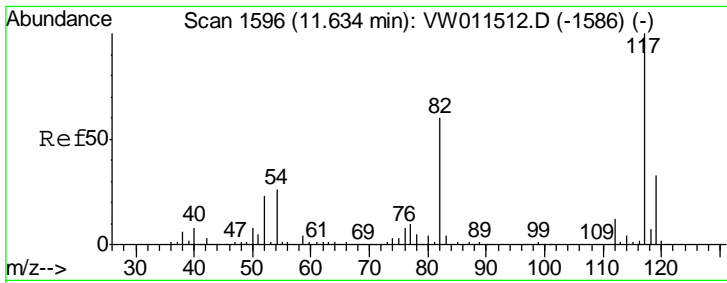
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 8/21/2019 8:28:55 AM



#62  
 4-Bromofluorobenzene  
 Concen: 51.853 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. 0.01 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

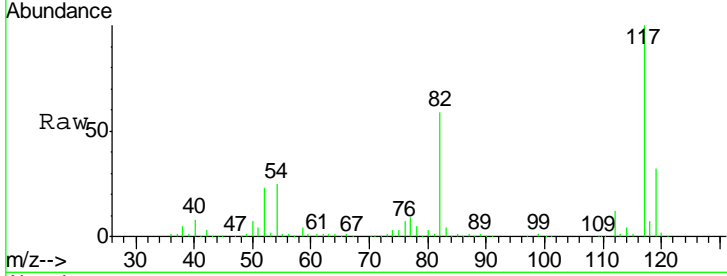
Tgt Ion	Resp	Lower	Upper
95	173300		
174	76.2	0.0	150.2
176	74.0	0.0	144.4





#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.63 min Scan# 1596  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

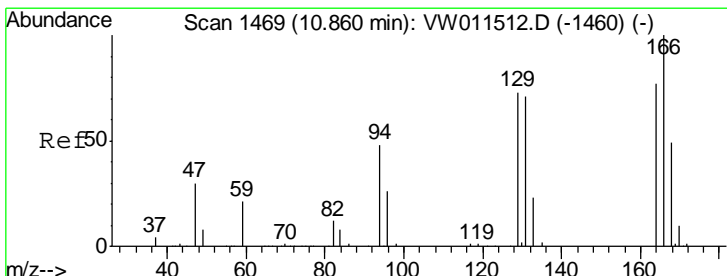
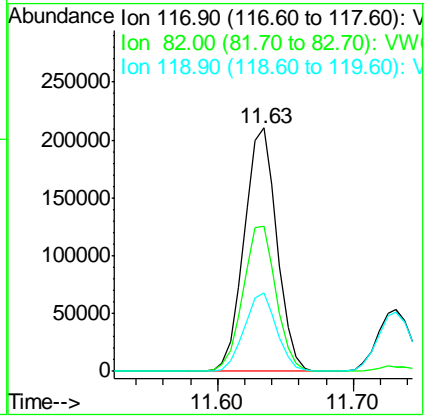
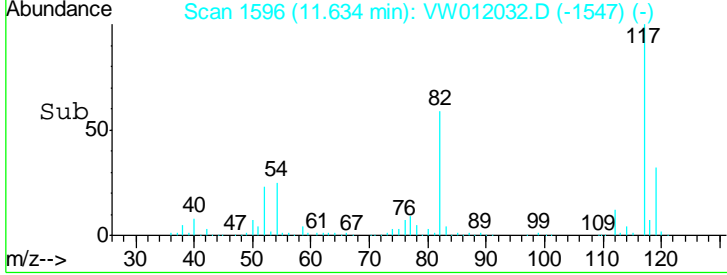
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDCCC050EC



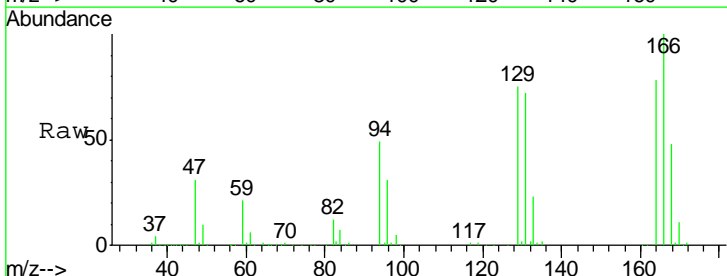
Tgt Ion: 117 Resp: 353879

Ion	Ratio	Lower	Upper
117	100		
82	59.5	47.9	71.9
119	32.1	26.2	39.2

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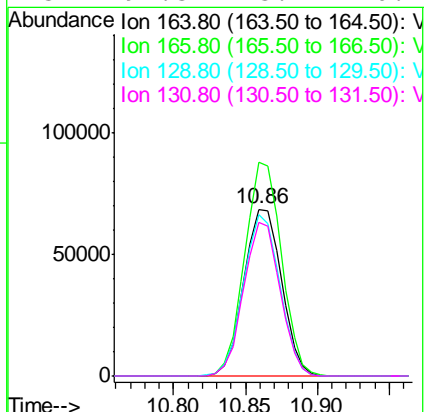
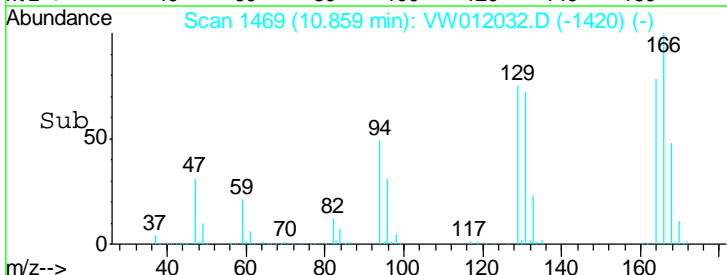


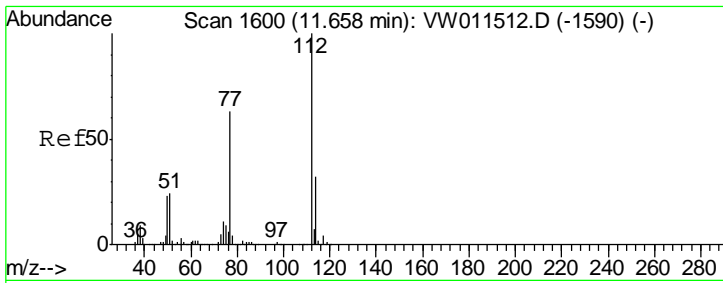
#64  
 Tetrachloroethene  
 Concen: 53.973 ug/l  
 RT: 10.86 min Scan# 1469  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27



Tgt Ion: 164 Resp: 124361

Ion	Ratio	Lower	Upper
164	100		
166	128.2	103.5	155.3
129	96.6	75.2	112.8
131	92.3	73.4	110.2



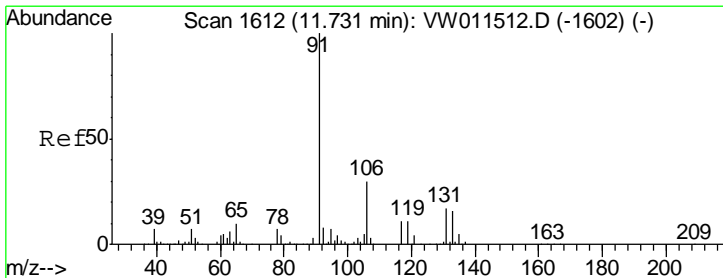
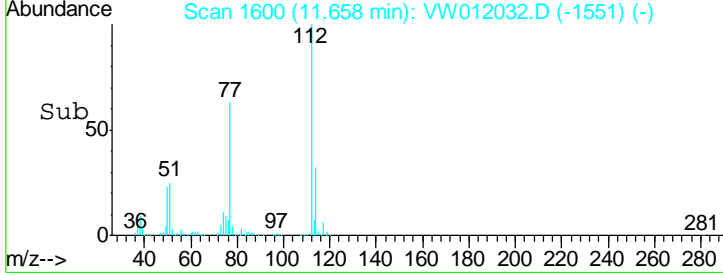
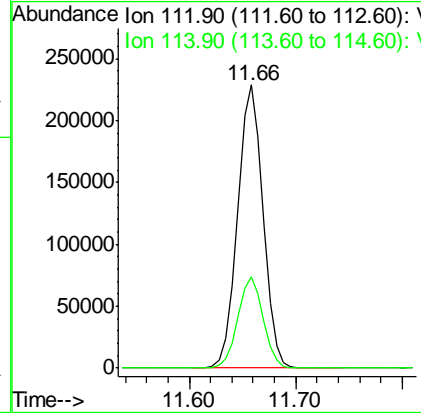
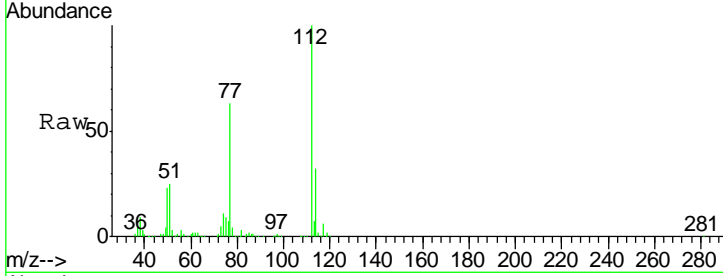


#65  
 Chlorobenzene  
 Concen: 53.706 ug/l  
 RT: 11.66 min Scan# 1600  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDCCC050EC

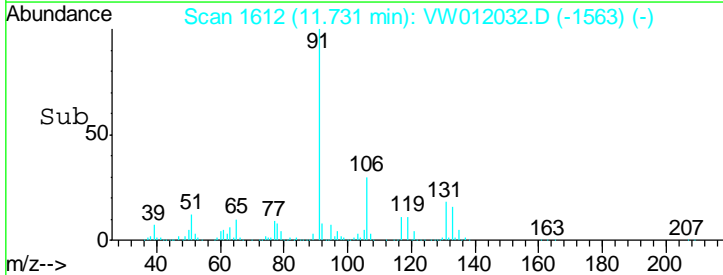
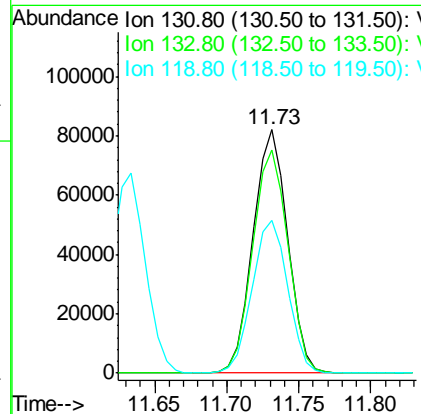
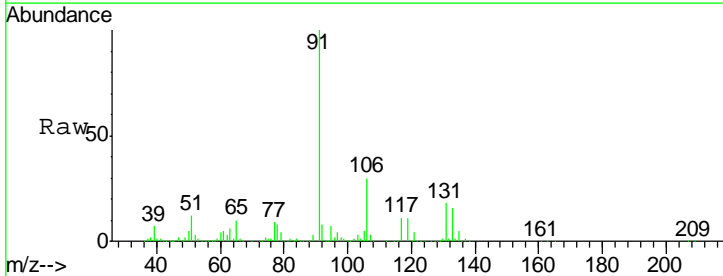
Tgt Ion	Resp	Lower	Upper
112	382100		
114	32.3	25.6	38.4

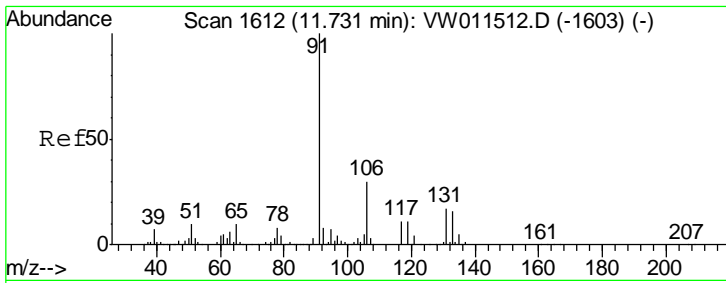
Manual Integrations  
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#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 54.786 ug/l  
 RT: 11.73 min Scan# 1612  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
131	135771		
133	93.8	47.4	142.2
119	64.7	32.3	96.9





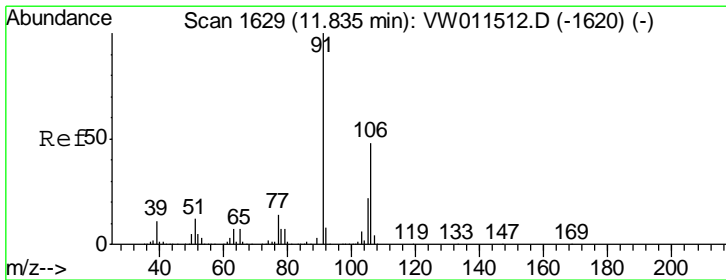
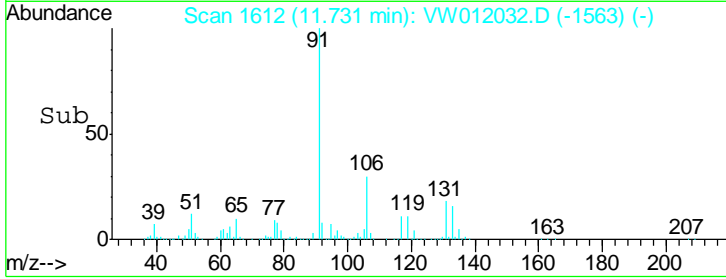
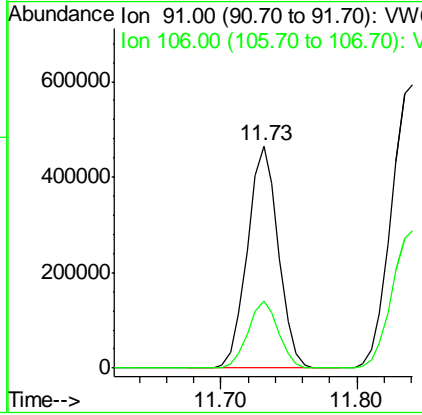
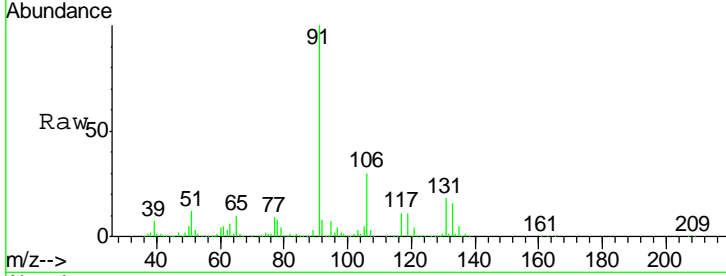
#67  
 Ethyl Benzene  
 Concen: 54.631 ug/l  
 RT: 11.73 min Scan# 1612  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
91	100		
106	30.1	23.8	35.6

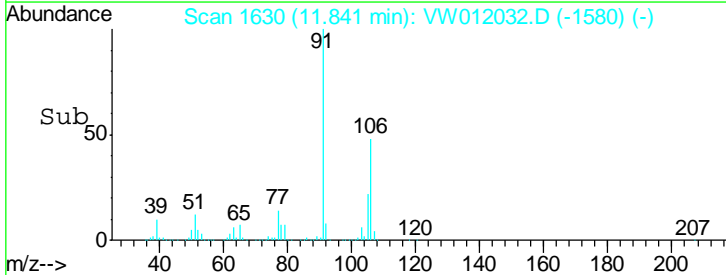
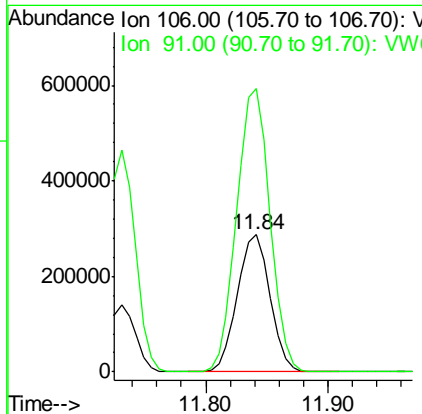
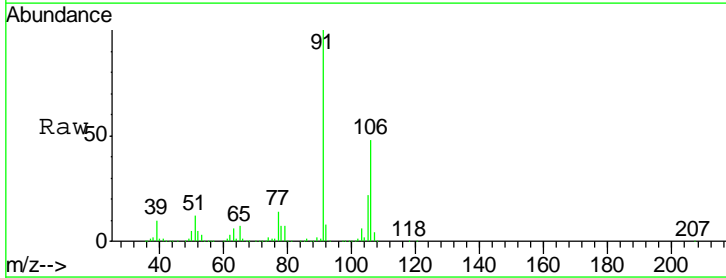
Manual Integrations  
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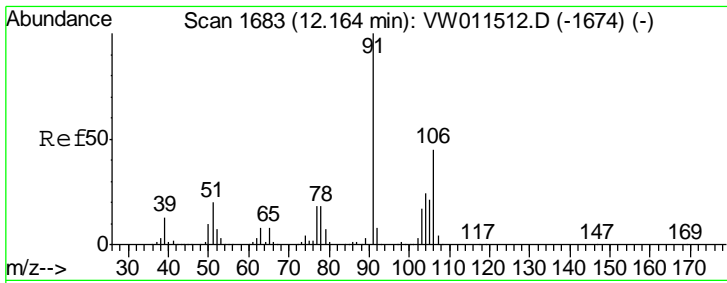
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#68  
 m/p-Xylenes  
 Concen: 108.198 ug/l  
 RT: 11.84 min Scan# 1630  
 Delta R.T. 0.01 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
106	100		
91	209.6	168.2	252.2





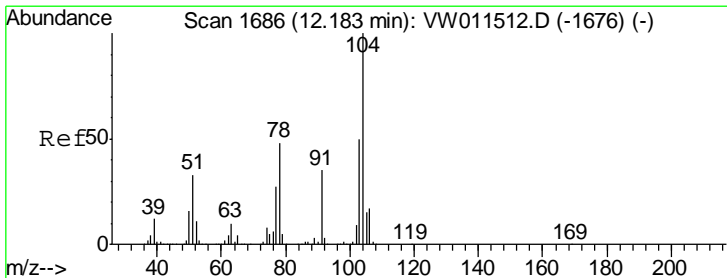
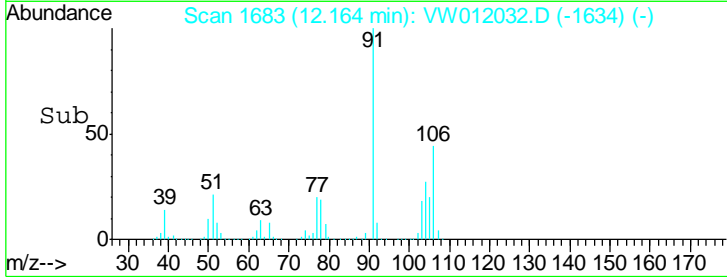
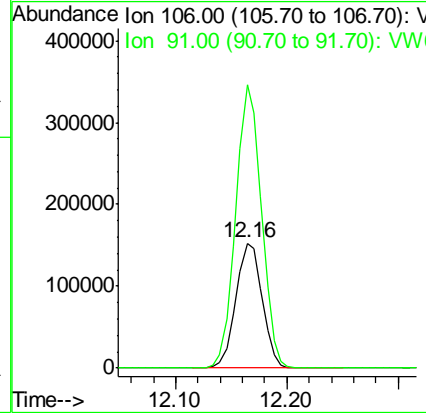
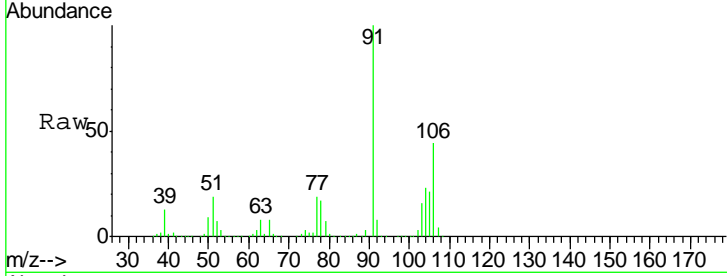
#69  
 o-Xylene  
 Concen: 54.566 ug/l  
 RT: 12.16 min Scan# 1683  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
106	249868		
106	100		
91	221.3	110.5	331.5

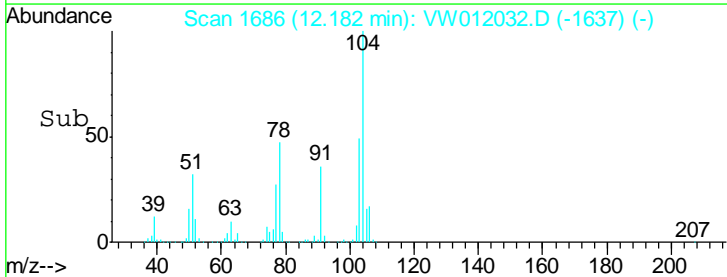
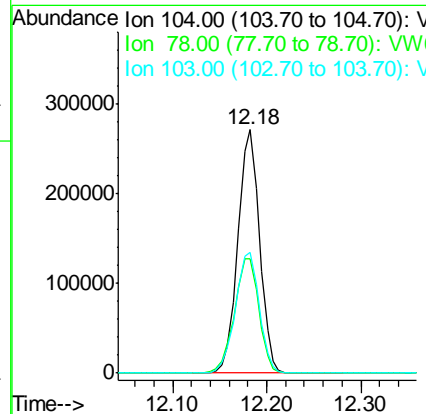
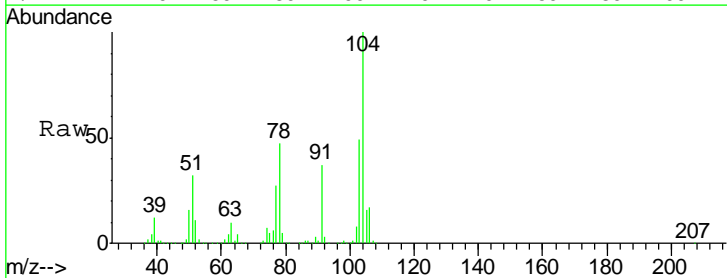
Manual Integrations  
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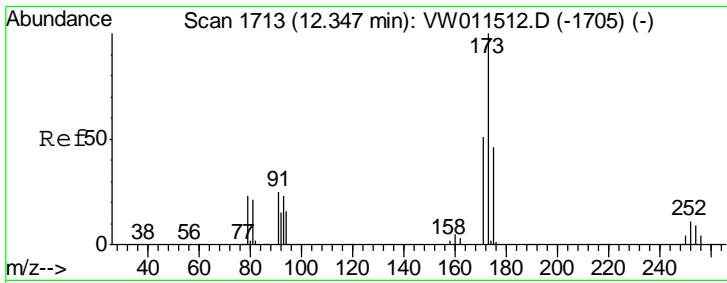
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#70  
 Styrene  
 Concen: 54.841 ug/l  
 RT: 12.18 min Scan# 1686  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
104	434197		
104	100		
78	53.3	43.4	65.0
103	54.3	43.9	65.9





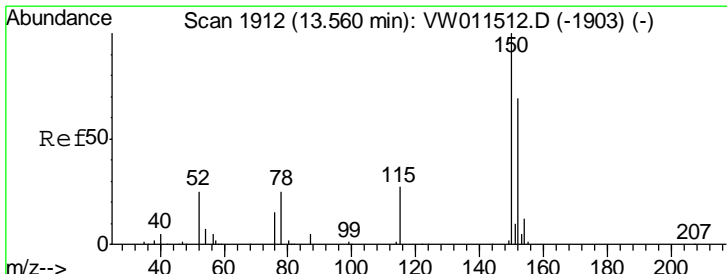
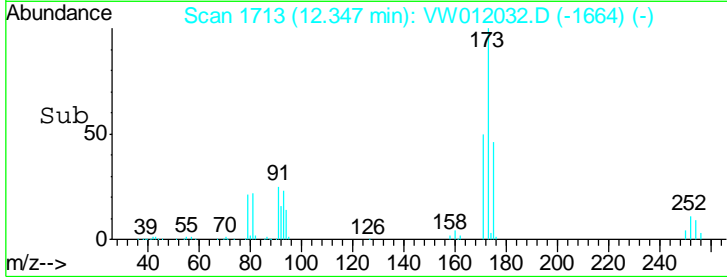
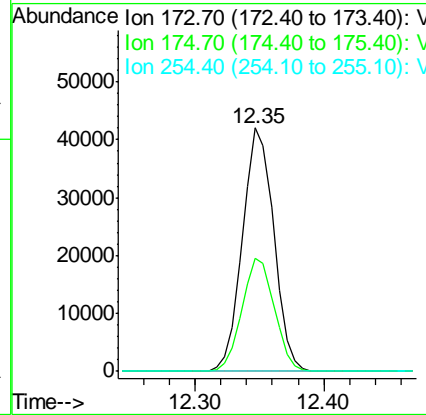
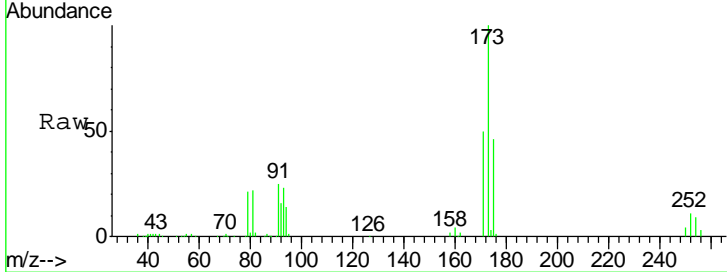
#71  
 Bromoform  
 Concen: 55.906 ug/l  
 RT: 12.35 min Scan# 1713  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
173	100		
175	47.9	23.6	71.0
254	0.1	0.1	0.1#

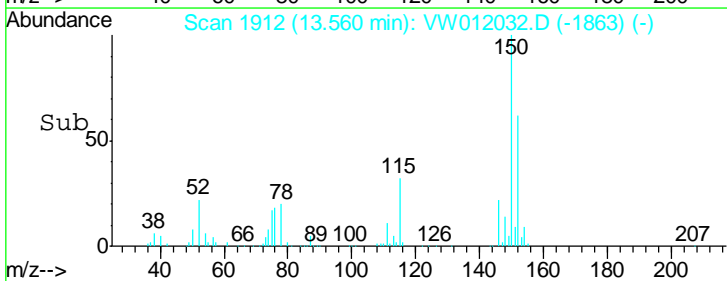
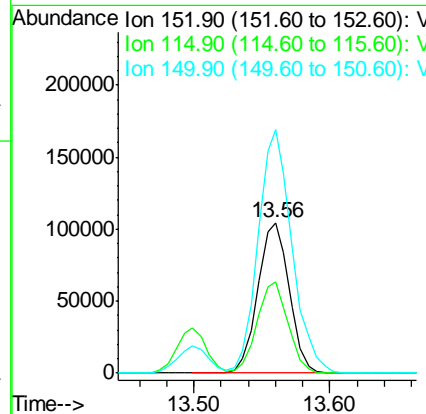
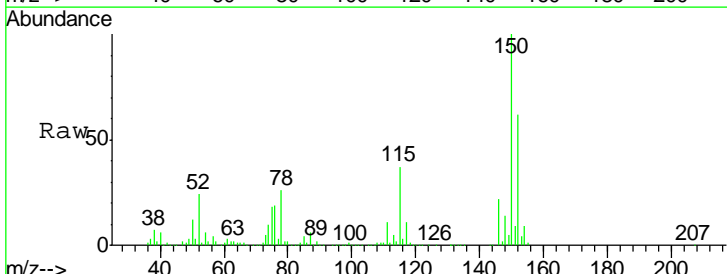
**Manual Integrations**  
**APPROVED**

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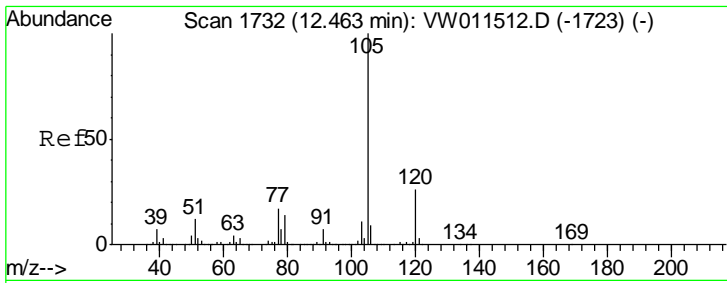


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.56 min Scan# 1912  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
152	100		
115	59.9	30.5	91.5
150	174.0	0.0	352.6

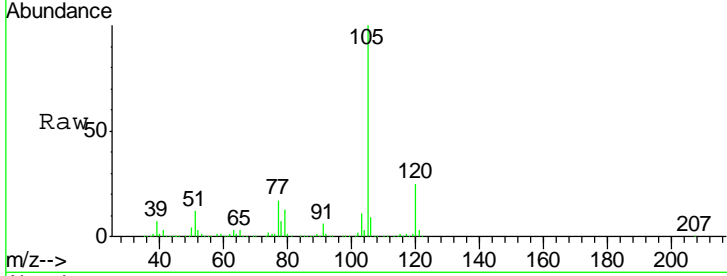






#73  
 Isopropylbenzene  
 Concen: 54.971 ug/l  
 RT: 12.46 min Scan# 1732  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

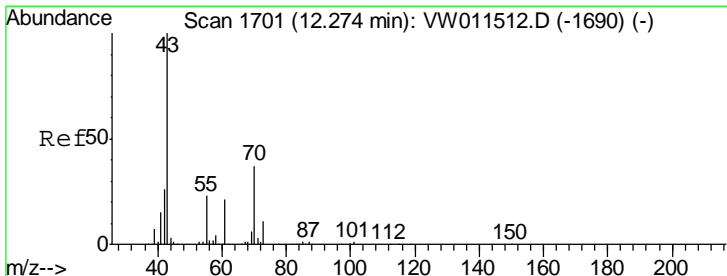
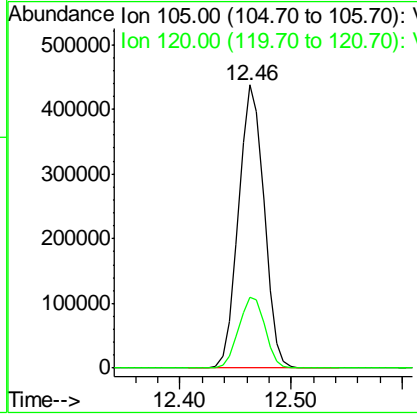
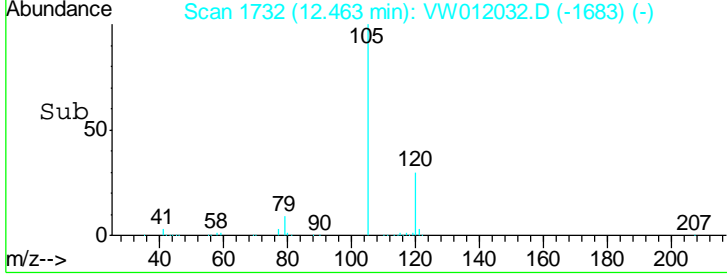
Instrument : MSVOA\_W  
 ClientSampled : VSTDCCC050EC



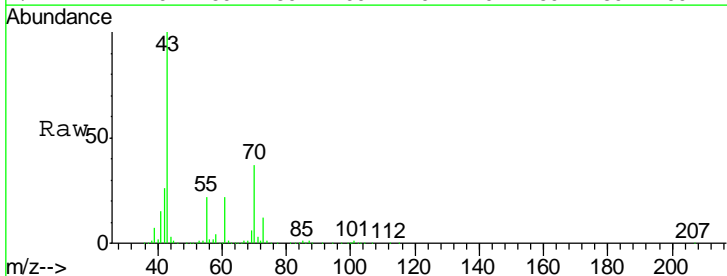
Tgt Ion: 105 Resp: 693808

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

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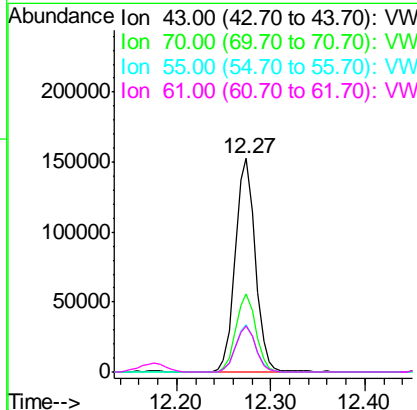
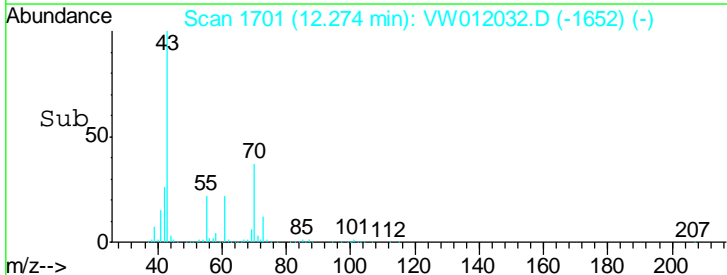


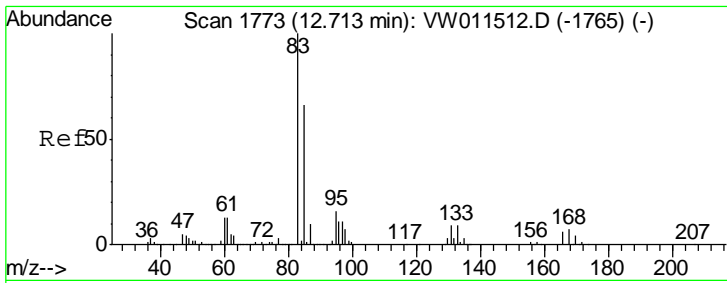
#74  
 N-amyl acetate  
 Concen: 56.992 ug/l  
 RT: 12.27 min Scan# 1701  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27



Tgt Ion: 43 Resp: 225200

Ion	Ratio	Lower	Upper
43	100		
70	36.8	28.6	43.0
55	22.1	17.8	26.8
61	21.7	17.0	25.6





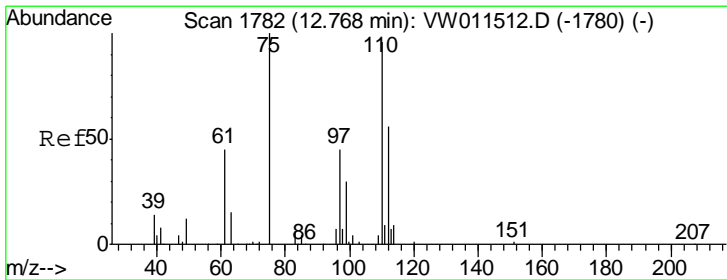
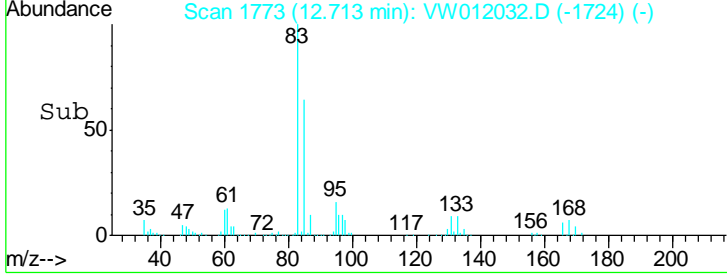
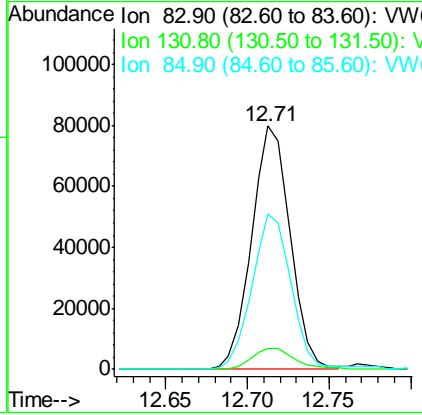
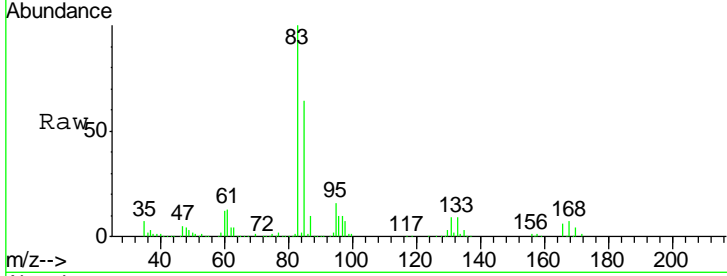
#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 55.336 ug/l  
 RT: 12.71 min Scan# 1773  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

**Instrument :**  
 MSVOA\_W  
**Client Sampled :**  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
83	100		
131	9.8	4.9	14.6
85	64.3	31.8	95.4

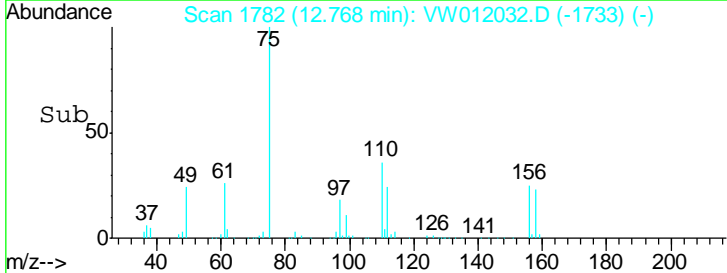
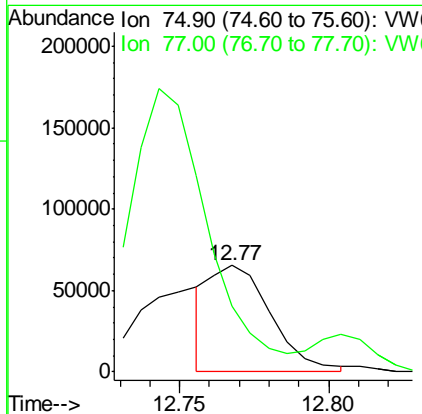
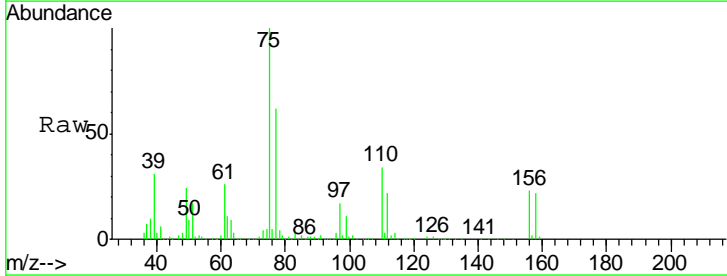
**Manual Integrations**  
**APPROVED**

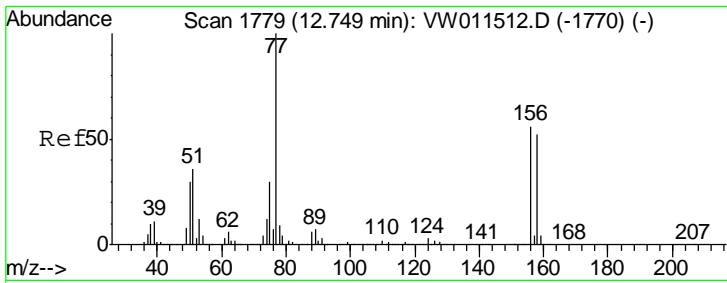
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 8/21/2019 8:28:55 AM



#76  
 1,2,3-Trichloropropane  
 Concen: 52.190 ug/l m  
 RT: 12.77 min Scan# 1782  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0





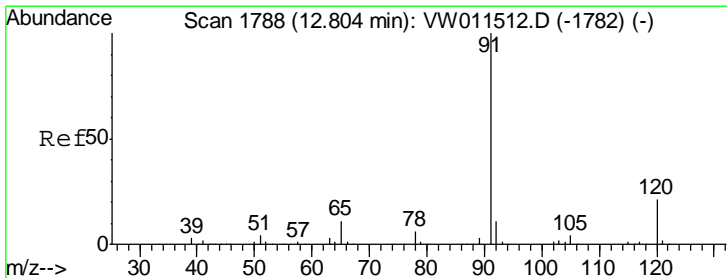
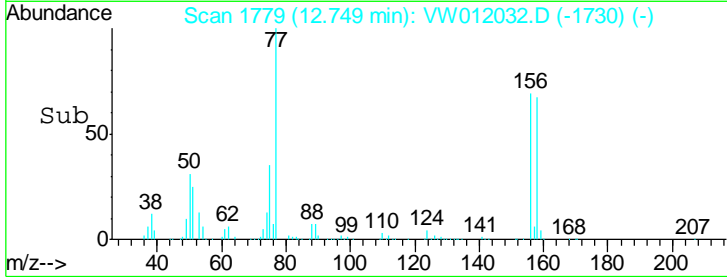
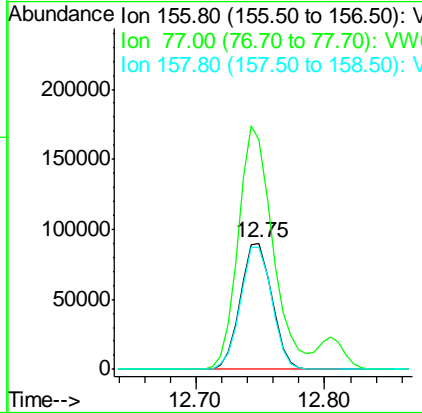
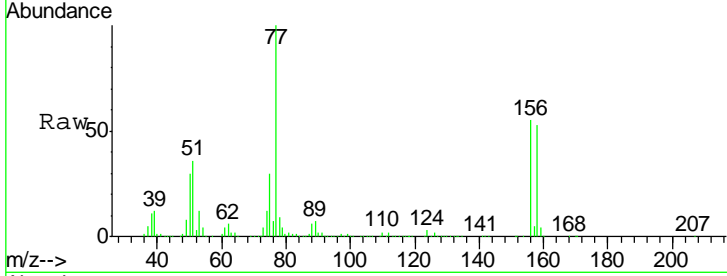
#77  
 Bromobenzene  
 Concen: 54.778 ug/l  
 RT: 12.75 min Scan# 1779  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
156	152815		
77	210.7	106.5	319.4
158	96.3	48.0	144.2

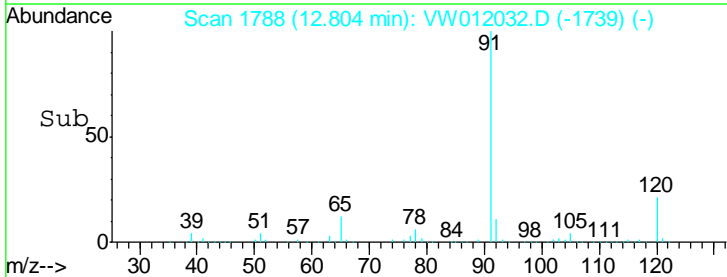
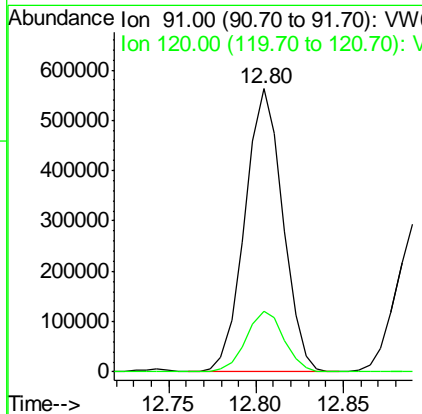
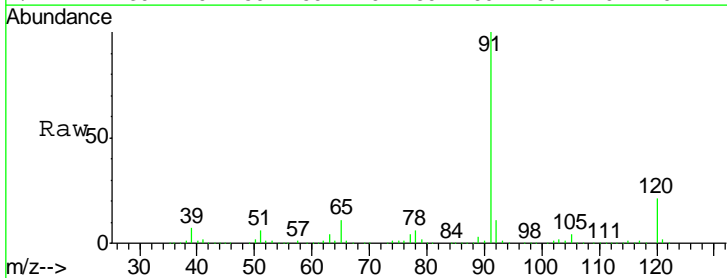
Manual Integrations  
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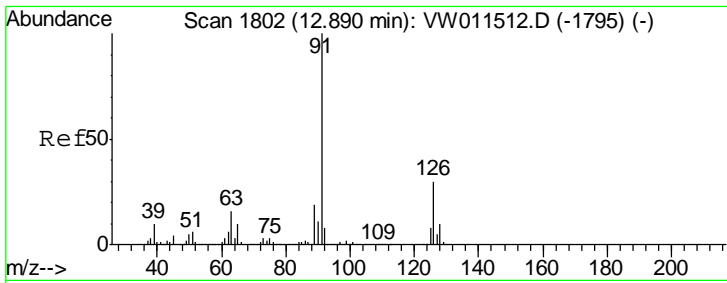
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#78  
 n-propylbenzene  
 Concen: 55.045 ug/l  
 RT: 12.80 min Scan# 1788  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
91	845508		
120	21.7	10.9	32.7





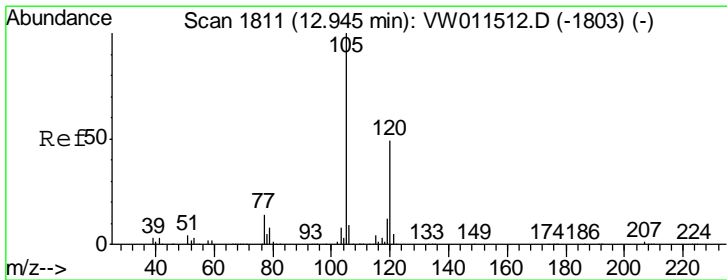
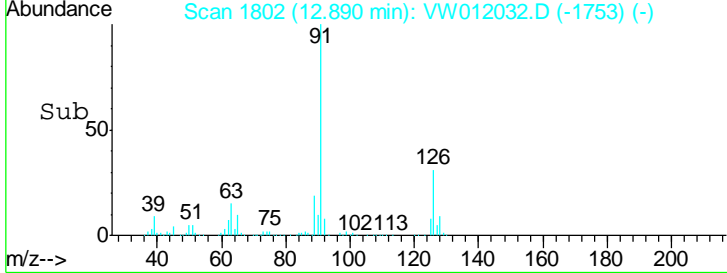
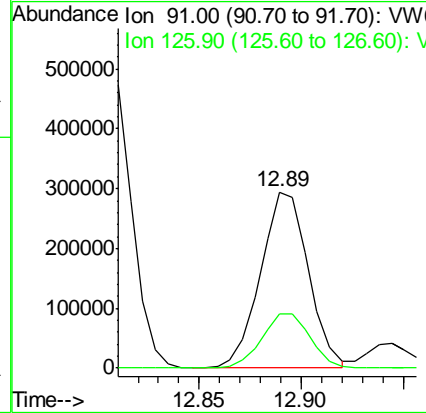
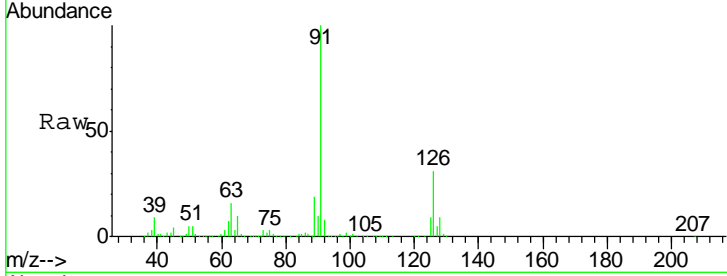
#79  
 2-Chlorotoluene  
 Concen: 54.081 ug/l  
 RT: 12.89 min Scan# 1802  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
91	100		
126	31.5	15.7	47.1

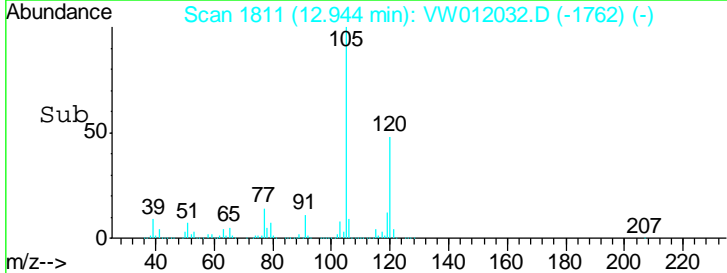
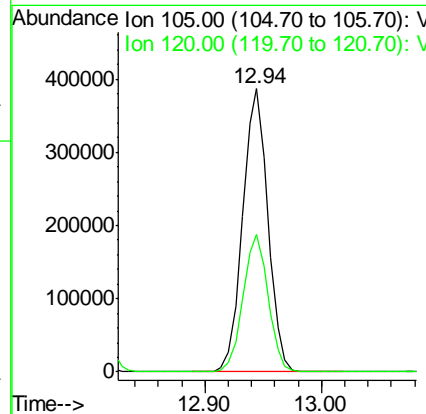
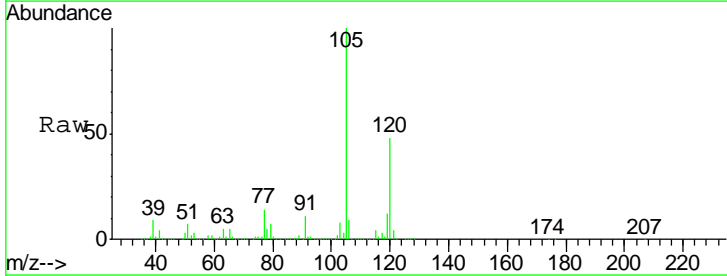
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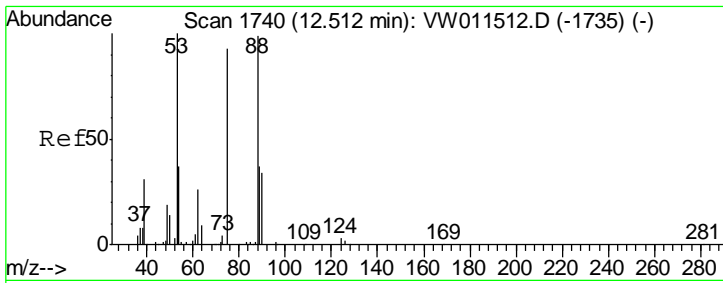
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#80  
 1,3,5-Trimethylbenzene  
 Concen: 55.008 ug/l  
 RT: 12.94 min Scan# 1811  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
105	100		
120	48.3	24.1	72.3





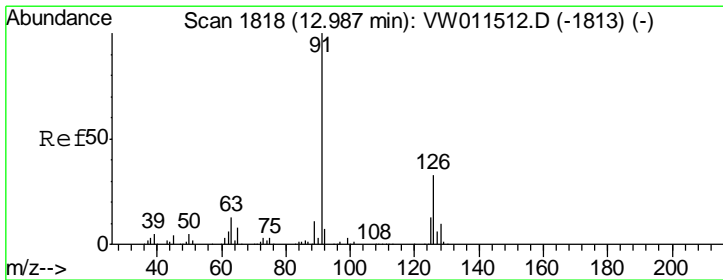
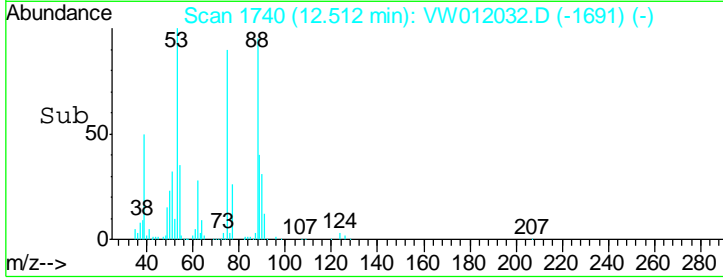
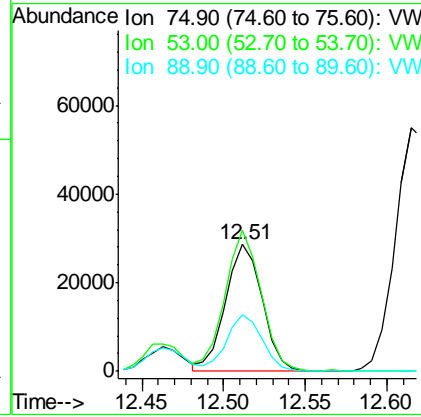
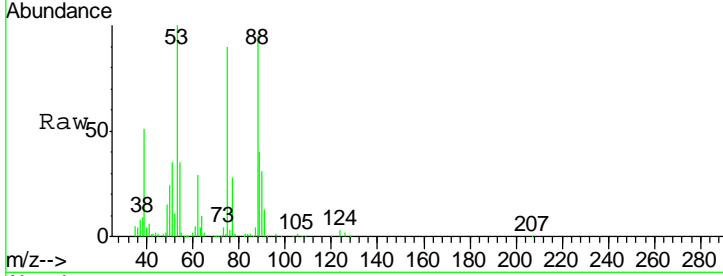
#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 57.396 ug/l  
 RT: 12.51 min Scan# 1740  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
75	100		
53	110.6	88.0	132.0
89	43.1	35.3	52.9

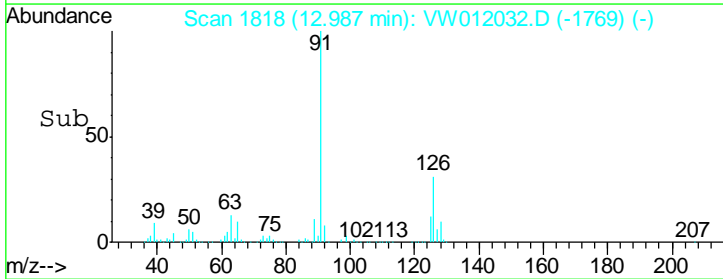
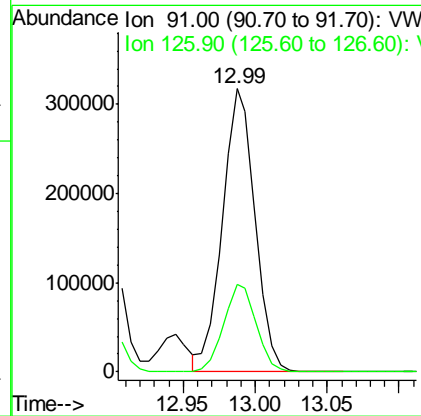
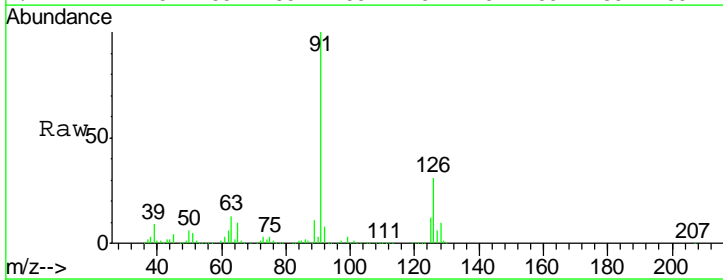
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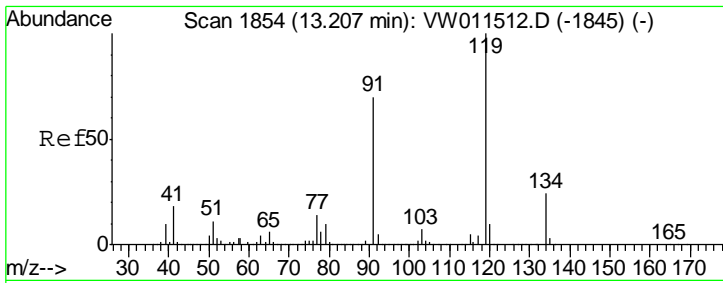
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#82  
 4-Chlorotoluene  
 Concen: 53.996 ug/l  
 RT: 12.99 min Scan# 1818  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
91	100		
126	31.0	15.6	46.8



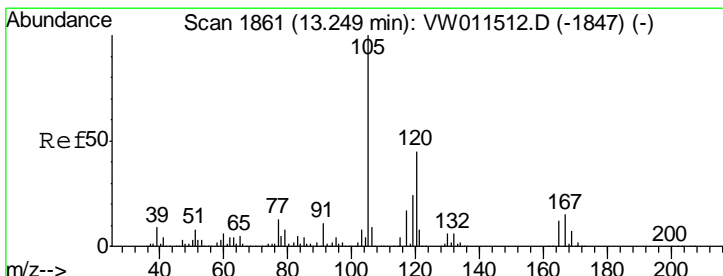
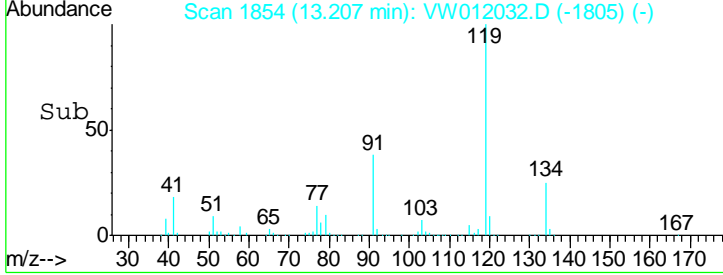
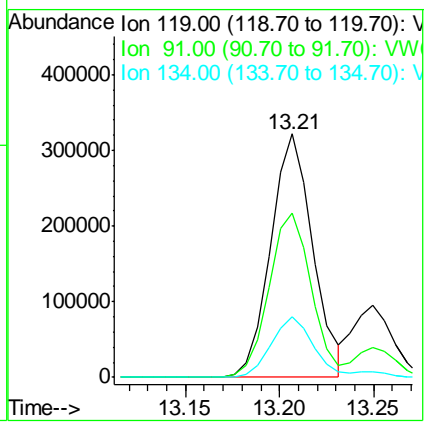
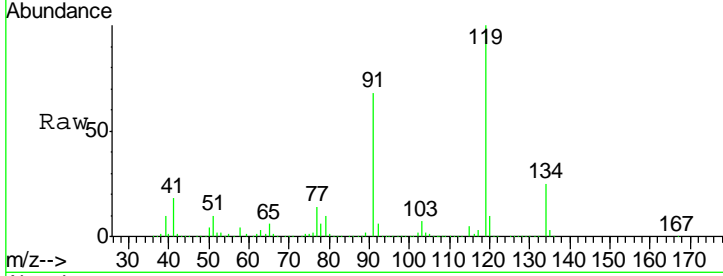


#83  
 tert-Butylbenzene  
 Concen: 56.376 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 VSTDCCC050EC

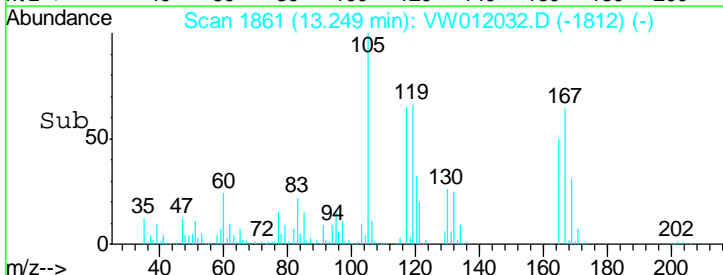
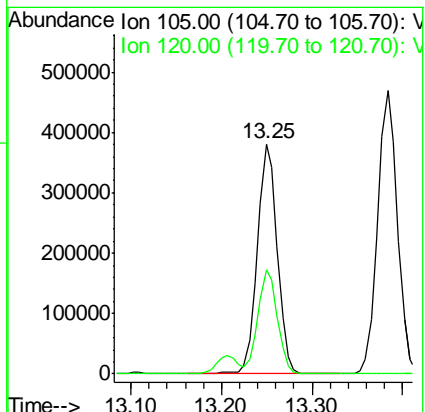
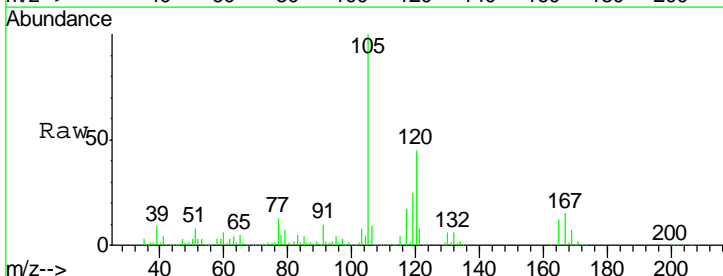
Tgt Ion	Resp	Lower	Upper
119	498779		
91	67.6	34.5	103.6
134	25.0	12.4	37.4

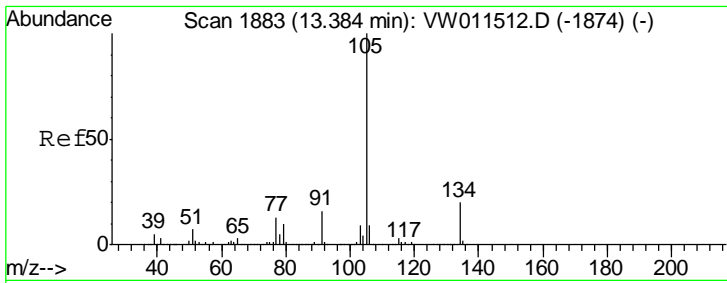
**Manual Integrations**  
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 54.272 ug/l  
 RT: 13.25 min Scan# 1861  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
105	578417		
120	44.3	22.1	66.5





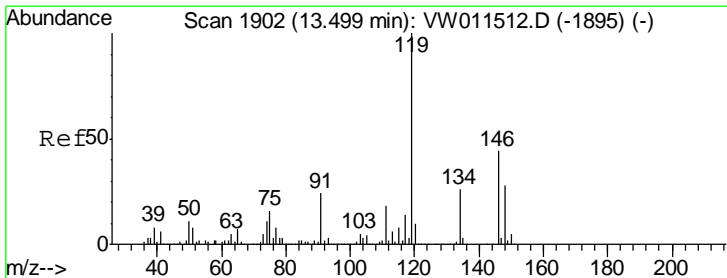
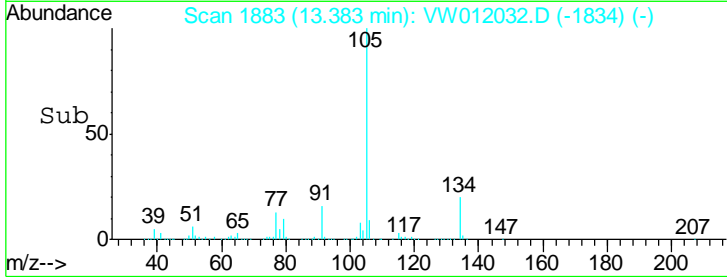
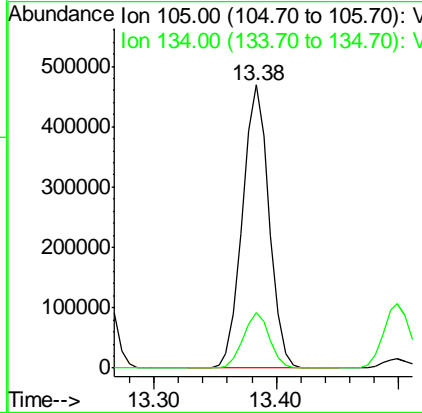
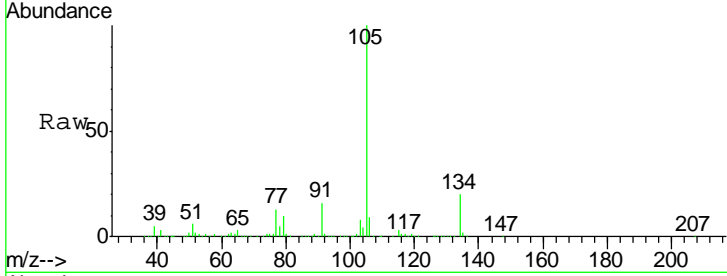
#85  
 sec-Butylbenzene  
 Concen: 55.927 ug/l  
 RT: 13.38 min Scan# 1883  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
105	100		
134	19.5	9.7	29.1

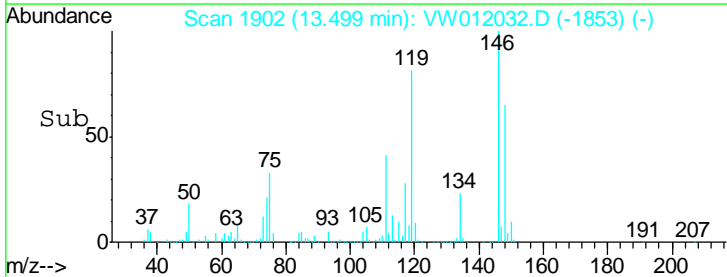
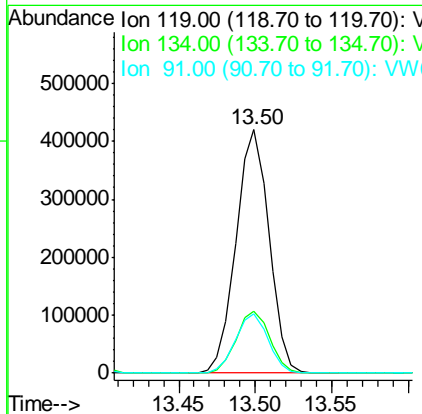
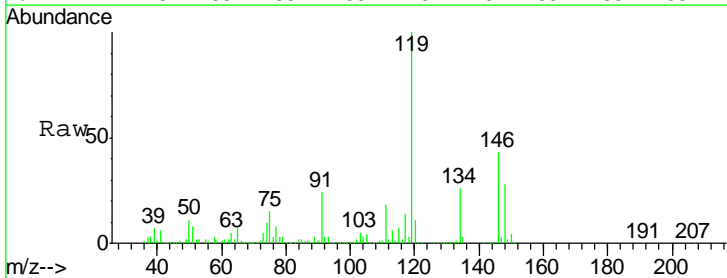
Manual Integrations  
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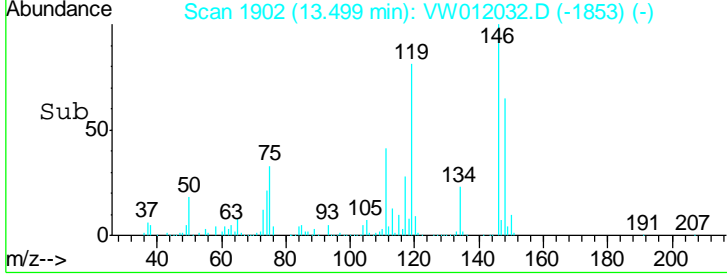
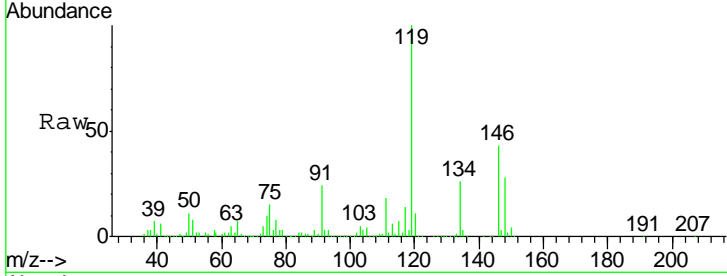
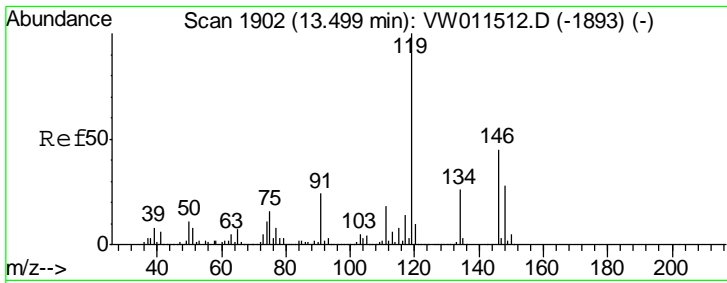
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#86  
 p-Isopropyltoluene  
 Concen: 54.881 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
119	100		
134	25.9	12.8	38.4
91	24.2	12.1	36.3



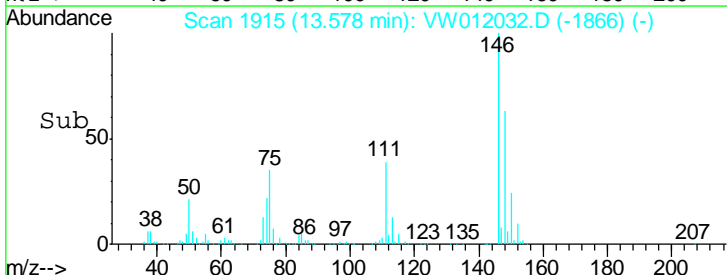
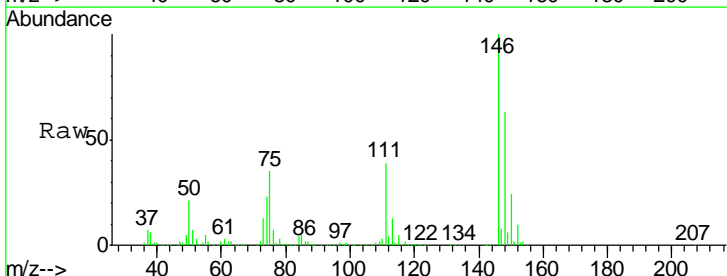
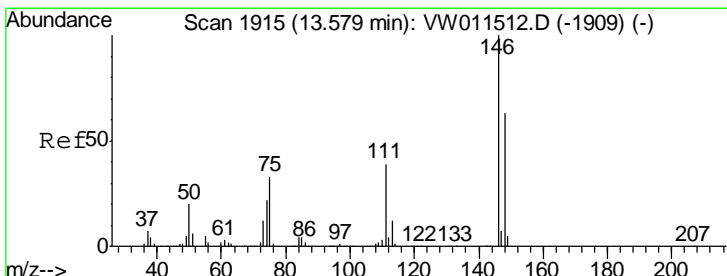
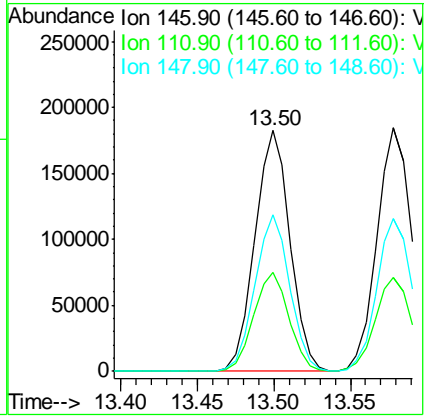


#87  
 1,3-Dichlorobenzene  
 Concen: 53.369 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
146	100		
111	41.2	20.5	61.6
148	64.4	31.8	95.3

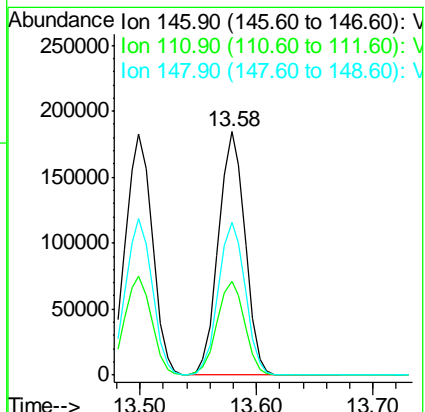
Instrument : MSVOA\_W  
 ClientSampled : VSTDCCC050EC

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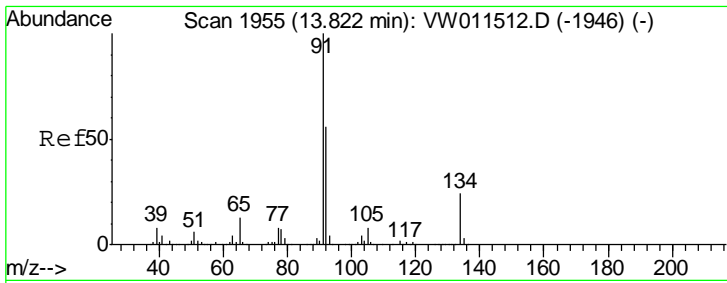


#88  
 1,4-Dichlorobenzene  
 Concen: 53.452 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
146	100		
111	40.0	20.1	60.2
148	63.5	31.9	95.9







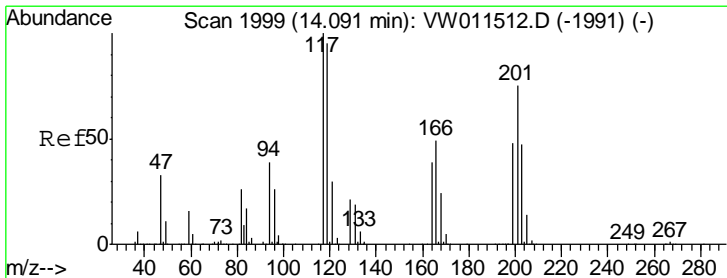
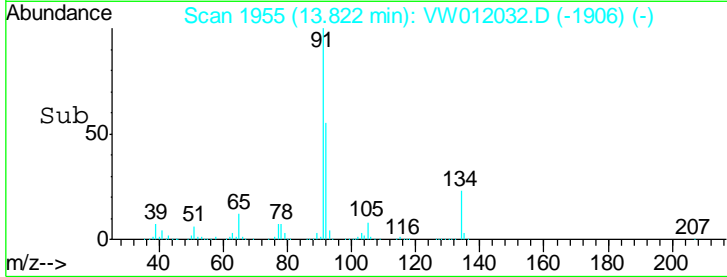
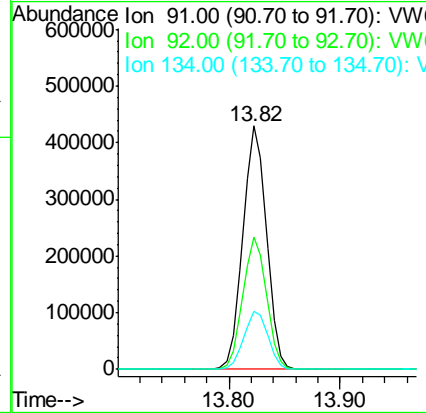
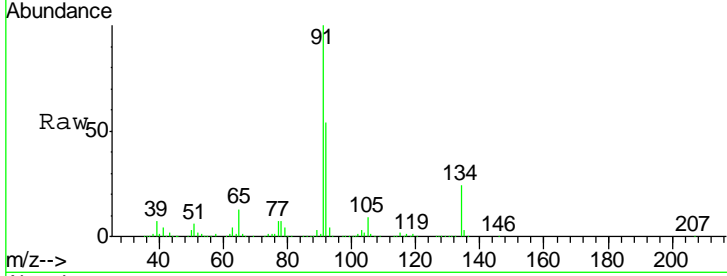
#89  
 n-Butylbenzene  
 Concen: 55.084 ug/l  
 RT: 13.82 min Scan# 1955  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
91	100		
92	54.4	27.5	82.4
134	24.3	12.2	36.6

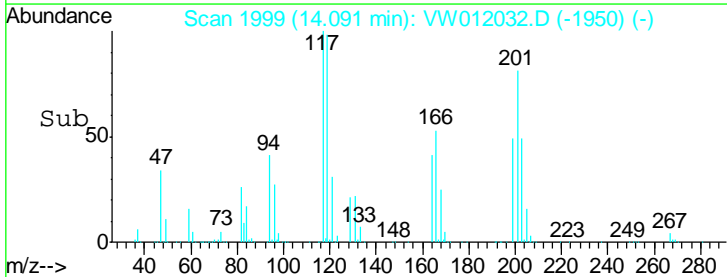
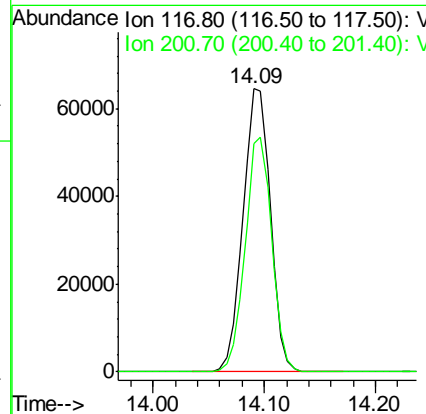
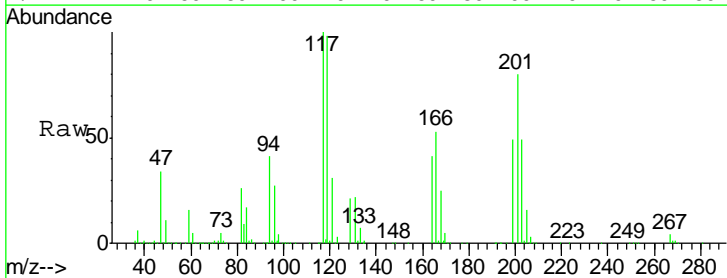
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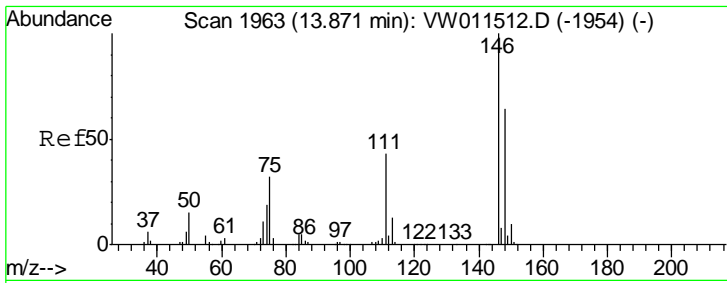
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#90  
 Hexachloroethane  
 Concen: 54.288 ug/l  
 RT: 14.09 min Scan# 1999  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
117	100		
201	80.5	39.4	118.2





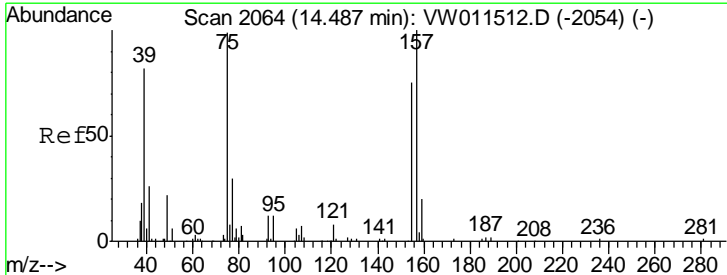
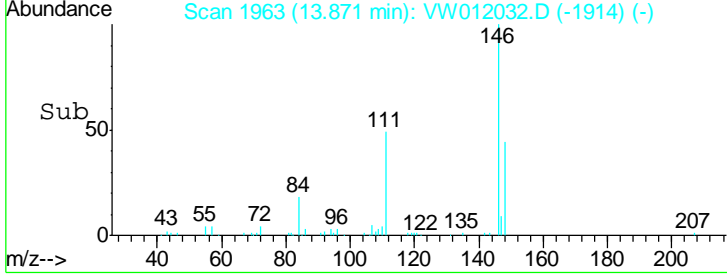
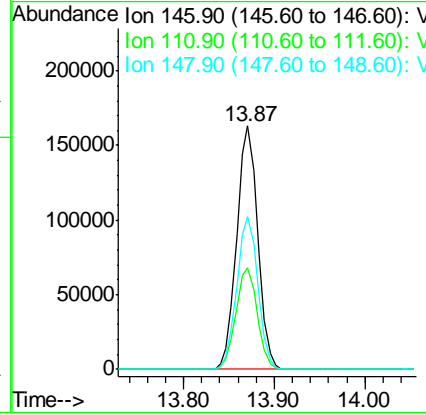
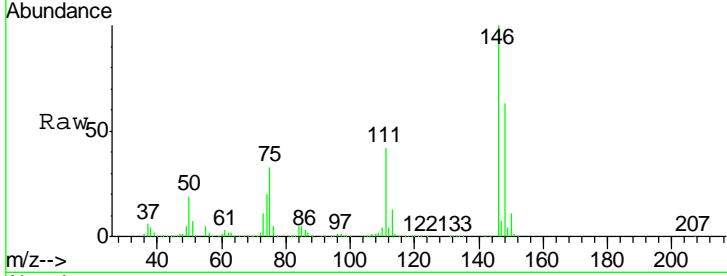
#91  
 1,2-Dichlorobenzene  
 Concen: 54.180 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
146	262122		
146	100		
111	42.2	21.6	65.0
148	62.9	32.0	96.2

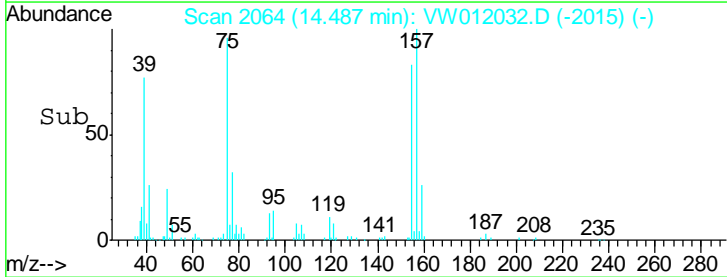
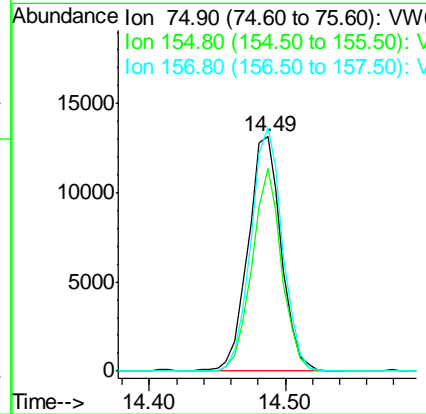
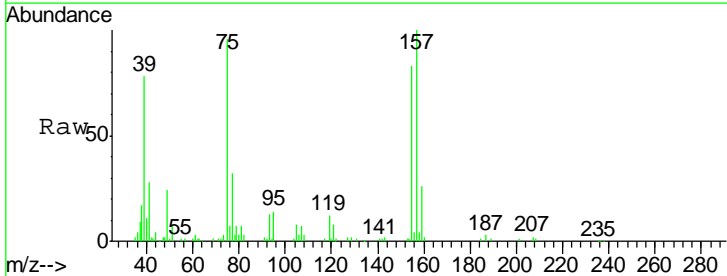
Manual Integrations  
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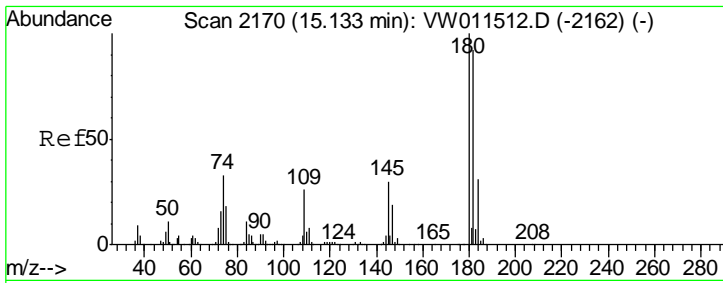
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 55.227 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
75	22358		
75	100		
155	77.2	38.2	114.6
157	98.6	48.9	146.7





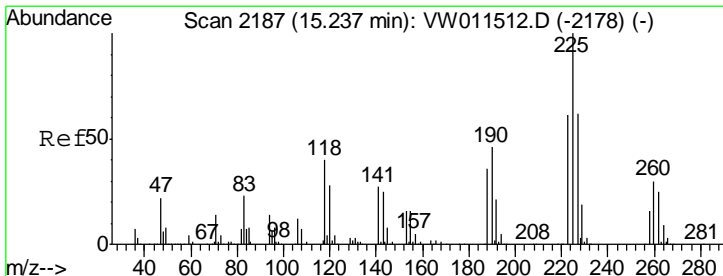
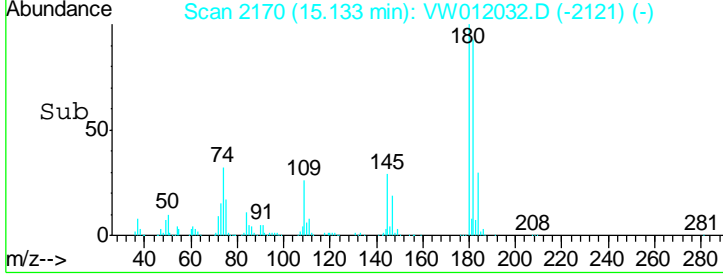
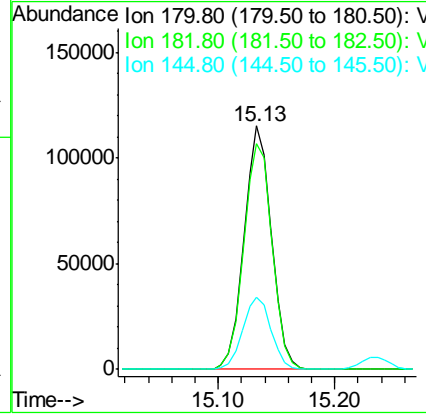
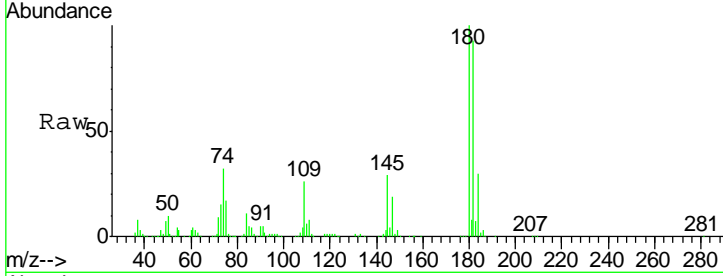
#93  
 1,2,4-Trichlorobenzene  
 Concen: 55.258 ug/l  
 RT: 15.13 min Scan# 2170  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
180	188410		
180	100		
182	95.8	47.4	142.2
145	30.4	15.4	46.1

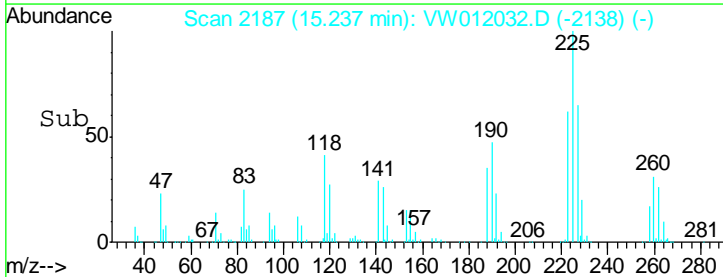
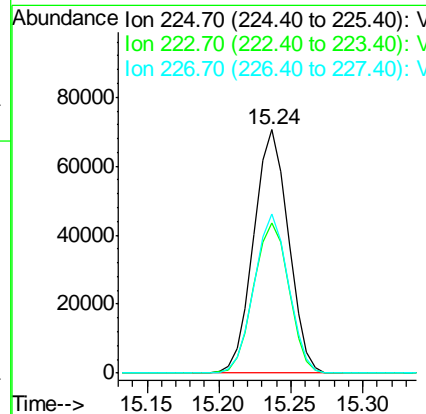
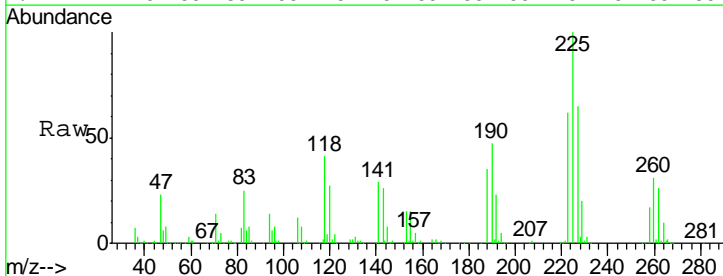
Manual Integrations  
 APPROVED

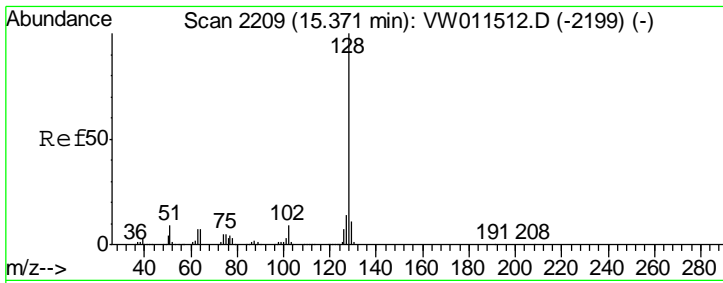
MMDadoda  
 8/21/2019 8:28:55 AM



#94  
 Hexachlorobutadiene  
 Concen: 55.177 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
225	117325		
225	100		
223	62.8	30.8	92.3
227	64.5	31.6	94.7





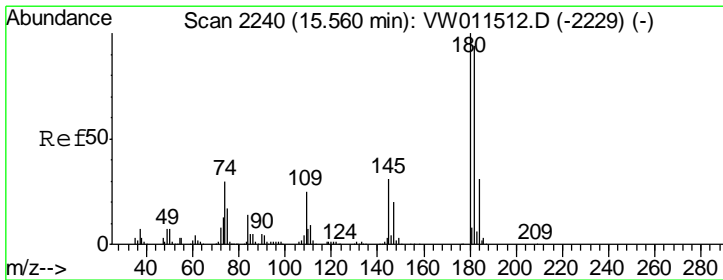
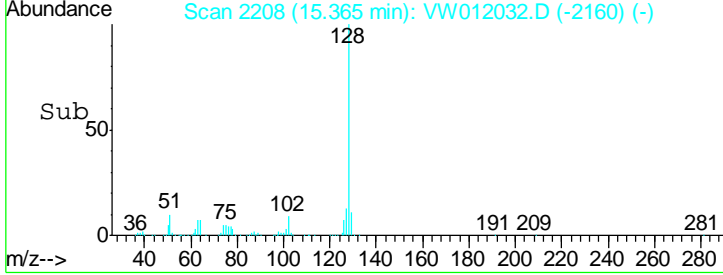
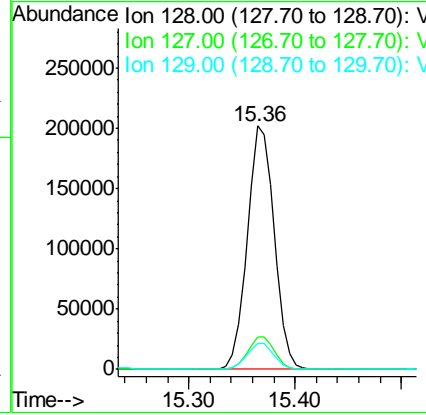
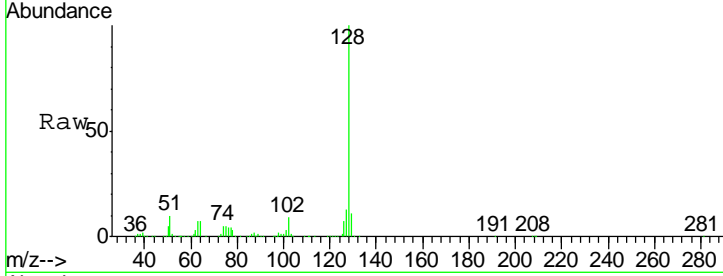
#95  
 Naphthalene  
 Concen: 53.587 ug/l  
 RT: 15.36 min Scan# 2208  
 Delta R.T. -0.01 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Instrument : MSVOA\_W  
 ClientSampled : VSTDC050EC

Tgt Ion	Resp	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	10.9	8.6	13.0

Manual Integrations  
 APPROVED

MMDadoda  
 8/21/2019 8:28:55 AM



#96  
 1,2,3-Trichlorobenzene  
 Concen: 55.614 ug/l  
 RT: 15.56 min Scan# 2240  
 Delta R.T. -0.00 min  
 Lab File: VW012032.D  
 Acq: 20 Aug 2019 15:27

Tgt Ion	Resp	Lower	Upper
180	100		
182	96.6	47.4	142.2
145	32.1	15.9	47.7

