

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\  
 Data File : VN054428.D  
 Acq On : 19 Mar 2019 7:46  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 52 Sample Multiplier: 1

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

**Manual Integrations**  
**APPROVED**  
 MMDadoda  
 3/19/2019 9:23:15 AM

Quant Time: Mar 19 08:15:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 13 03:33:31 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1279560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2018760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1755231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	886634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	667065	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	7.59	113	658575	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	10.09	98	2391227	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.40	95	831417	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	558386	46.045	ug/l	98
3) Chloromethane	2.06	50	553966	47.027	ug/l	100
4) Vinyl Chloride	2.19	62	584708	43.428	ug/l	100
5) Bromomethane	2.57	94	374333	40.143	ug/l	97
6) Chloroethane	2.71	64	345292	42.386	ug/l	98
7) Trichlorofluoromethane	3.02	101	735750	41.102	ug/l	99
8) Diethyl Ether	3.41	74	404266	49.558	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	594610	44.327	ug/l	99
10) Methyl Iodide	3.94	142	939832	49.355	ug/l	99
11) Tert butyl alcohol	4.82	59	232364	249.429	ug/l	98
12) 1,1-Dichloroethene	3.73	96	613924	46.183	ug/l	98
13) Acrolein	3.61	56	189040	214.148	ug/l	98
14) Allyl chloride	4.31	41	844419	49.510	ug/l	92
15) Acrylonitrile	4.99	53	1164608	304.340	ug/l	99
16) Acetone	3.82	43	688913	177.061	ug/l	96
17) Carbon Disulfide	4.04	76	1393089	41.804	ug/l	99
18) Methyl Acetate	4.33	43	531257	67.488	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	1869075	56.725	ug/l	100
20) Methylene Chloride	4.54	84	706848	55.327	ug/l	94
21) trans-1,2-Dichloroethene	5.03	96	662049	51.980	ug/l	99
22) Diisopropyl ether	5.96	45	1889253	55.501	ug/l	94
23) Vinyl Acetate	5.90	43	6547263	260.868	ug/l	97
24) 1,1-Dichloroethane	5.84	63	1200029	54.905	ug/l	98
25) 2-Butanone	6.84	43	1270319	278.173	ug/l	98
26) 2,2-Dichloropropane	6.82	77	556020	28.928	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	784661	55.222	ug/l	93
28) Bromochloromethane	7.19	49	482720	54.025	ug/l	97
29) Tetrahydrofuran	7.22	42	840187	286.149	ug/l	96
30) Chloroform	7.37	83	1228825	53.879	ug/l	100
31) Cyclohexane	7.65	56	1020035	49.916	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	1028424	49.929	ug/l	98
36) 1,1-Dichloropropene	7.79	75	908681	48.877	ug/l	100
37) Ethyl Acetate	6.94	43	563489	52.750	ug/l	97
38) Carbon Tetrachloride	7.77	117	899964	46.161	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1018124	44.510	ug/l	98
40) Benzene	8.04	78	2812685	52.870	ug/l	99
41) Methacrylonitrile	7.17	41	315358	51.705	ug/l	96
42) 1,2-Dichloroethane	8.12	62	853434	47.515	ug/l	97
43) Isopropyl Acetate	8.17	43	958259	51.107	ug/l	95
44) Trichloroethene	8.83	130	826057	49.984	ug/l	97
45) 1,2-Dichloropropane	9.12	63	712630	53.946	ug/l	100
46) Dibromomethane	9.21	93	453385	50.796	ug/l	99
47) Bromodichloromethane	9.40	83	901351	50.374	ug/l	99
48) Methyl methacrylate	9.20	41	498604	52.400	ug/l	90
49) 1,4-Dioxane	9.20	88	155135	1152.611	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2759842	278.134	ug/l	94
52) Toluene	10.16	92	1758407	52.128	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	825731	40.731	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1004146	48.157	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	663781	53.892	ug/l	99
56) Ethyl methacrylate	10.43	69	840675	57.241	ug/l #	91
57) 1,3-Dichloropropane	10.71	76	1084227	53.835	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1686097	263.642	ug/l	99
59) 2-Hexanone	10.75	43	1753071	265.514	ug/l	93
60) Dibromochloromethane	10.90	129	718777	51.847	ug/l	99
61) 1,2-Dibromoethane	11.01	107	677577	54.133	ug/l	99
64) Tetrachloroethene	10.63	164	830259	48.924	ug/l	98
65) Chlorobenzene	11.43	112	2025342	52.551	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	737997	52.712	ug/l	99
67) Ethyl Benzene	11.51	91	3271558	51.209	ug/l	98
68) m/p-Xylenes	11.62	106	2596705	103.993	ug/l	98
69) o-Xylene	11.95	106	1304159	53.578	ug/l	97
70) Styrene	11.96	104	2064645	54.083	ug/l	100
71) Bromoform	12.13	173	480575	45.263	ug/l	98
73) Isopropylbenzene	12.25	105	3343367	47.132	ug/l	100
74) N-amyl acetate	12.07	43	801465	50.901	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	779173	51.555	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	662329m	50.799	ug/l	
77) Bromobenzene	12.53	156	2398433	127.774	ug/l #	31
78) n-propylbenzene	12.59	91	3570131	46.383	ug/l	99
79) 2-Chlorotoluene	12.67	91	2155637	46.578	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	2829545	47.955	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	139557	36.590	ug/l	96
82) 4-Chlorotoluene	12.77	91	2194723	47.492	ug/l	98
83) tert-Butylbenzene	12.99	119	2497100	45.979	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2809540	48.536	ug/l	100
85) sec-Butylbenzene	13.17	105	3156741	44.820	ug/l	100
86) p-Isopropyltoluene	13.29	119	2811737	45.504	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1523297	48.161	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1497628	48.199	ug/l	99
89) n-Butylbenzene	13.62	91	2130078	45.370	ug/l	100
90) Hexachloroethane	13.88	117	414906	40.552	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1543346	49.913	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	118827	50.809	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	891561	47.872	ug/l	99
94) Hexachlorobutadiene	15.01	225	453942	38.543	ug/l	99
95) Naphthalene	15.13	128	2134288	54.544	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	881573	53.660	ug/l	99

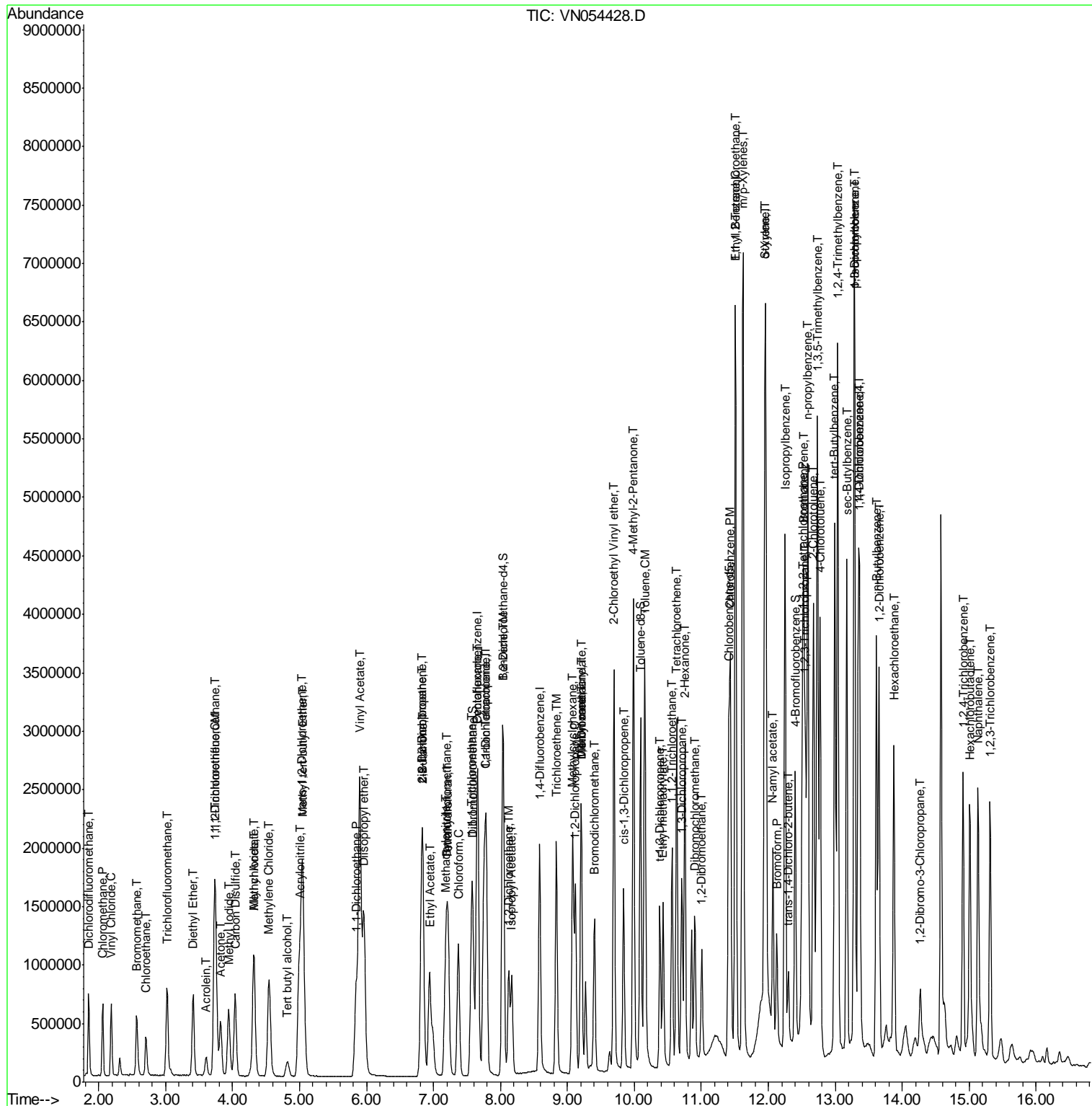
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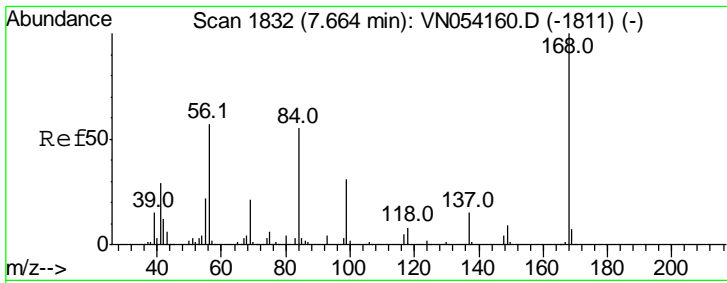
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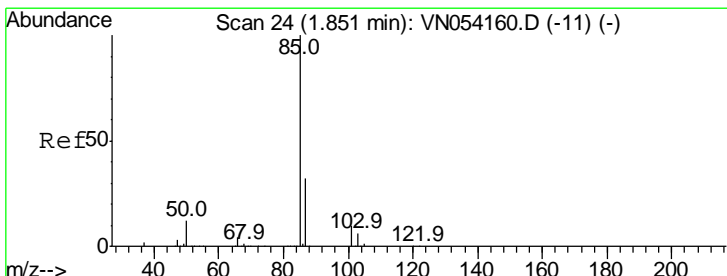
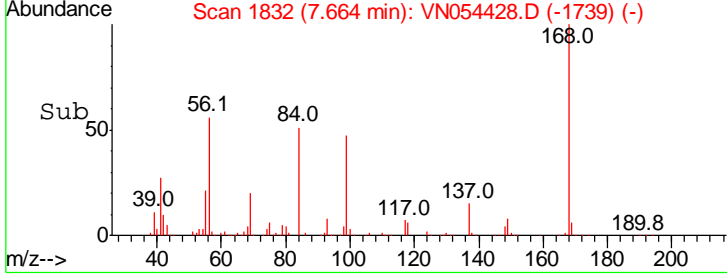
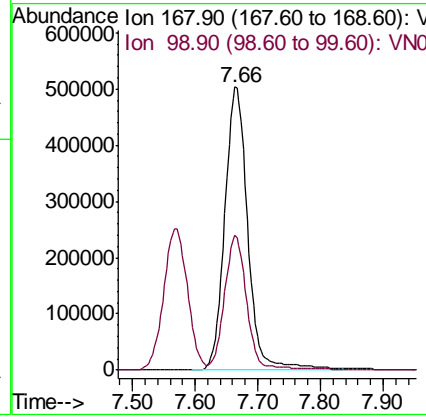
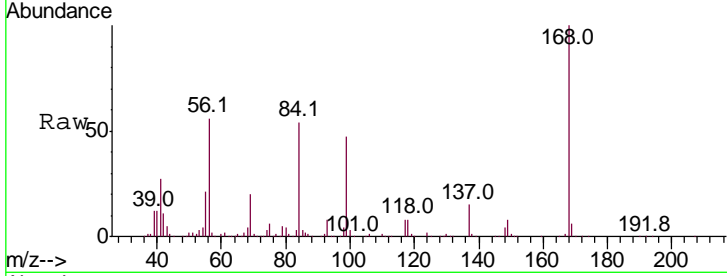
#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.66 min Scan# 1832  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
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 ClientSampled :  
 VSTDCCC050EC

Tgt Ion: 168 Resp: 1279560

Ion	Ratio	Lower	Upper
168	100		
99	47.2	37.1	55.7

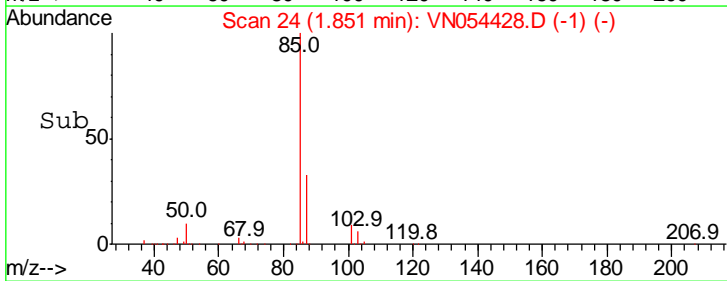
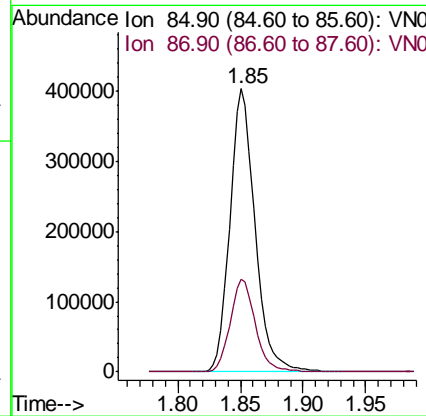
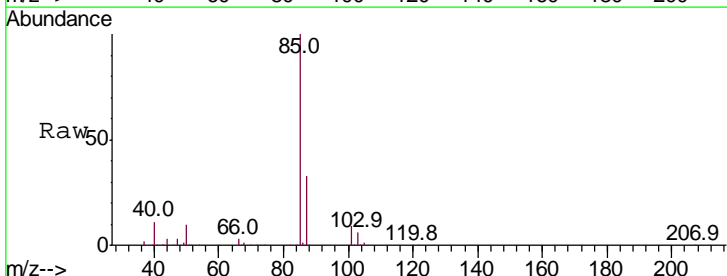
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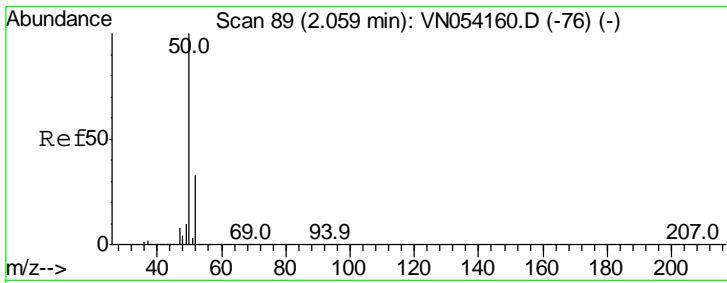


#2  
 Dichlorodifluoromethane  
 Concen: 46.045 ug/l  
 RT: 1.85 min Scan# 24  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion: 85 Resp: 558386

Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.9	47.7



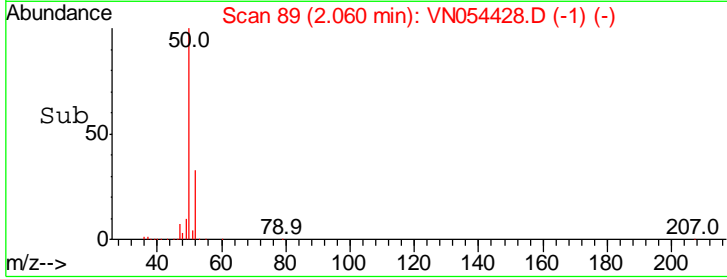
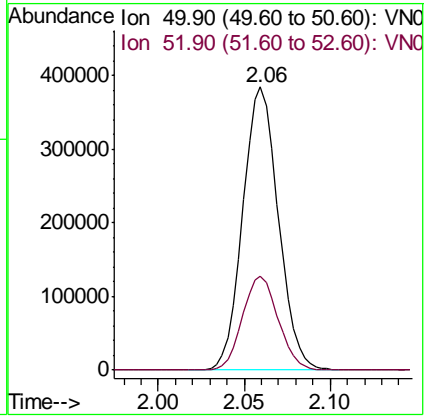
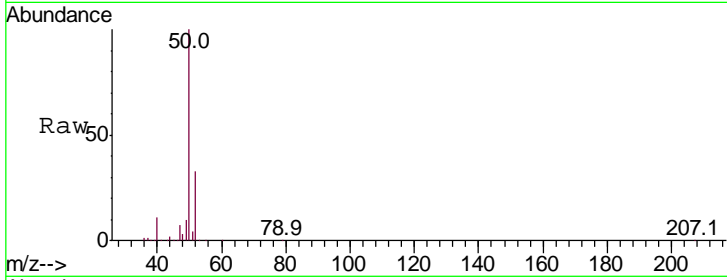


#3  
 Chloromethane  
 Concen: 47.027 ug/l  
 RT: 2.06 min Scan# 89  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
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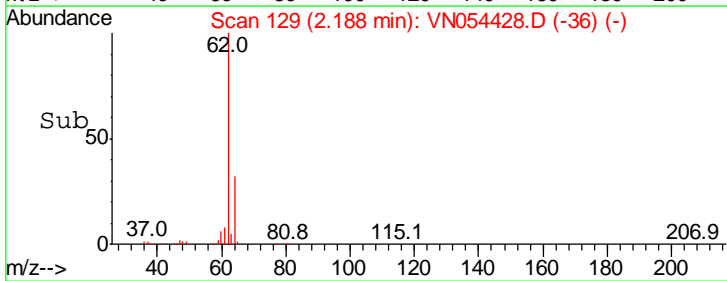
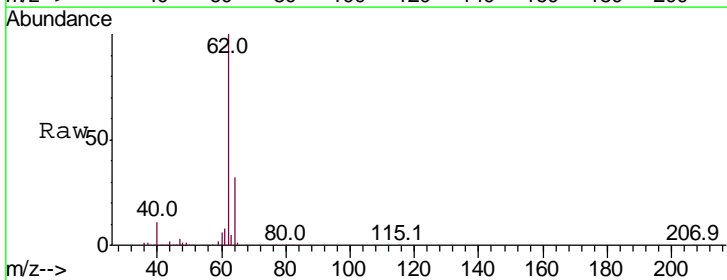
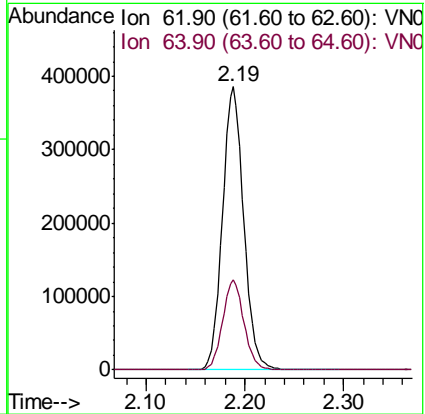
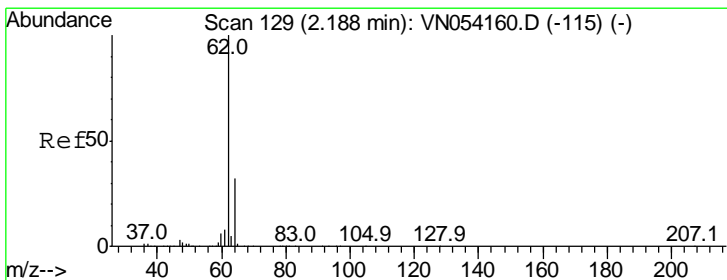
Tgt Ion	Resp	Lower	Upper
50	100		
52	33.2	26.4	39.6

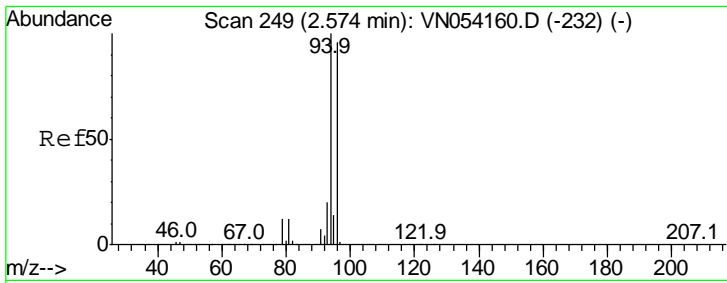
Manual Integrations  
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#4  
 Vinyl Chloride  
 Concen: 43.428 ug/l  
 RT: 2.19 min Scan# 129  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.9	25.5	38.3



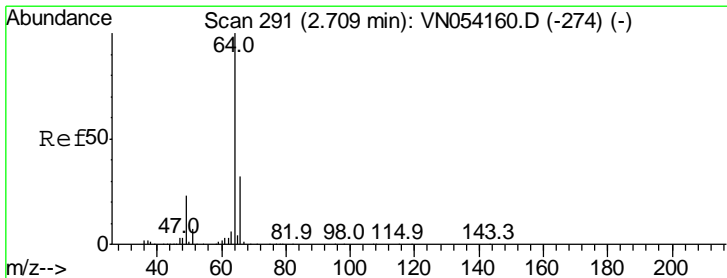
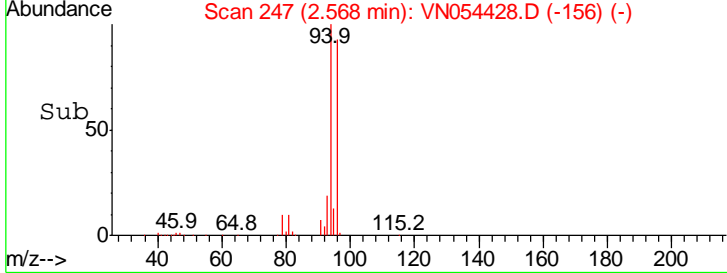
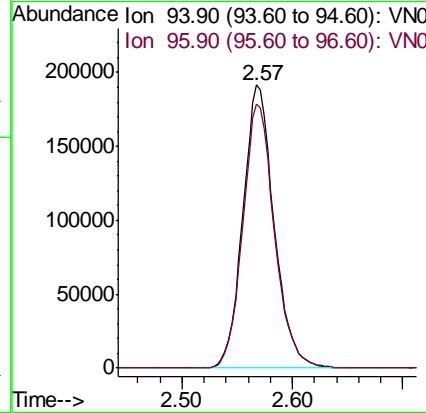
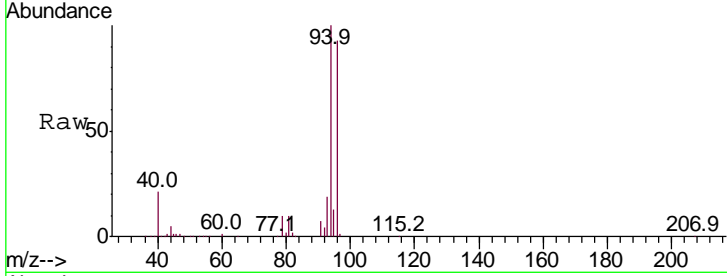


#5  
 Bromomethane  
 Concen: 40.143 ug/l  
 RT: 2.57 min Scan# 247  
 Delta R.T. -0.01 min  
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Tgt Ion	Resp	Lower	Upper
94	100		
96	93.4	77.0	115.4

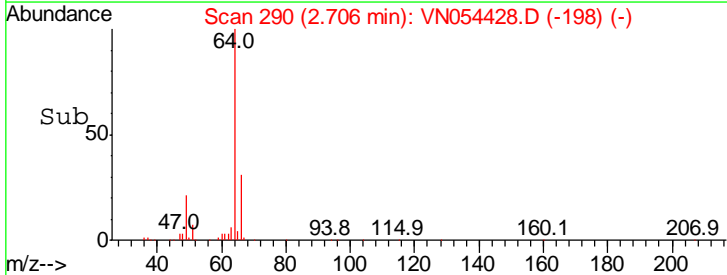
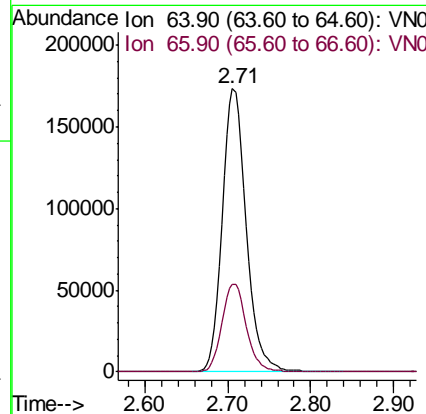
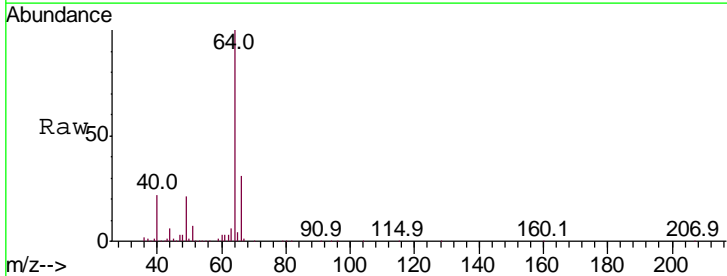
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 ClientSampled : VSTDCCC050EC

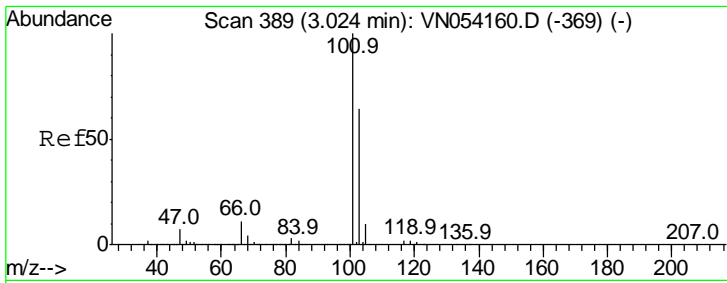
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#6  
 Chloroethane  
 Concen: 42.386 ug/l  
 RT: 2.71 min Scan# 290  
 Delta R.T. -0.00 min  
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Tgt Ion	Resp	Lower	Upper
64	100		
66	31.1	25.7	38.5





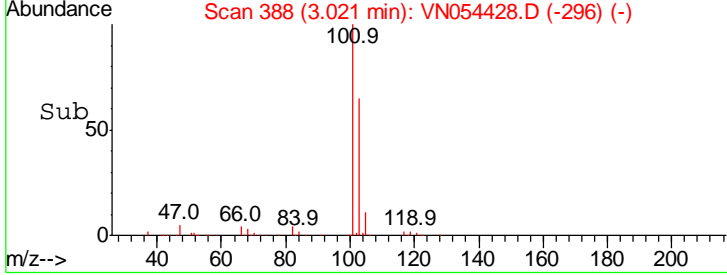
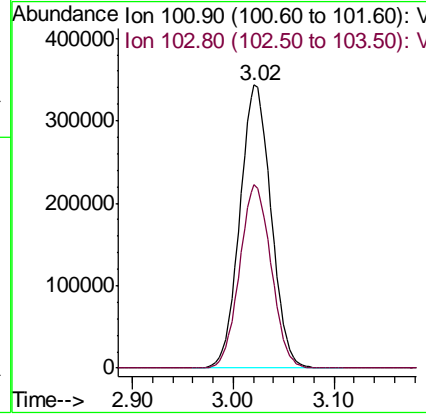
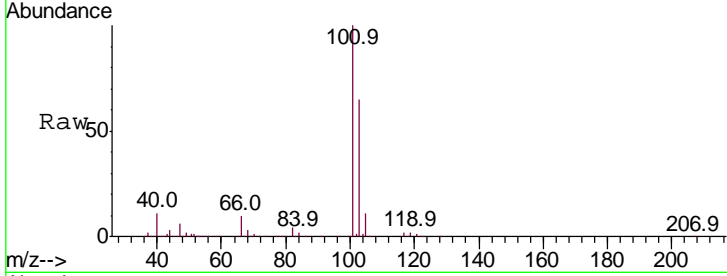
#7  
 Trichlorofluoromethane  
 Concen: 41.102 ug/l  
 RT: 3.02 min Scan# 388  
 Delta R.T. -0.00 min  
 Lab File: VN054428.D  
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.4	77.2

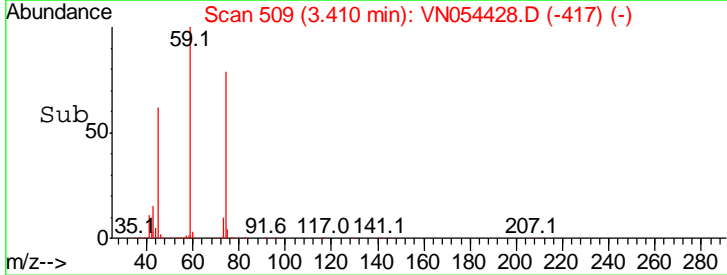
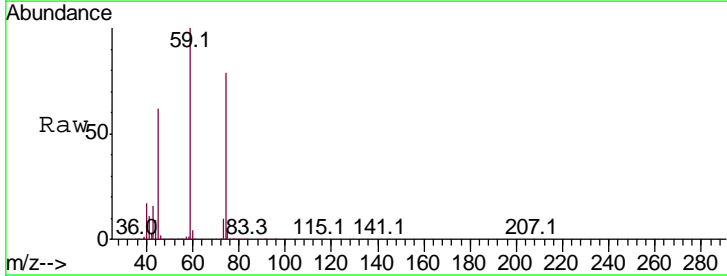
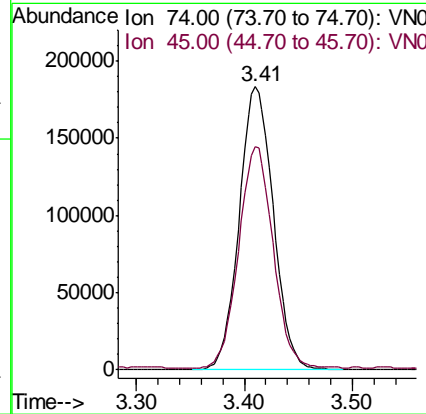
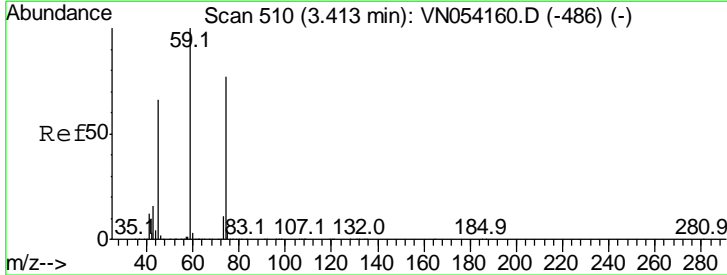
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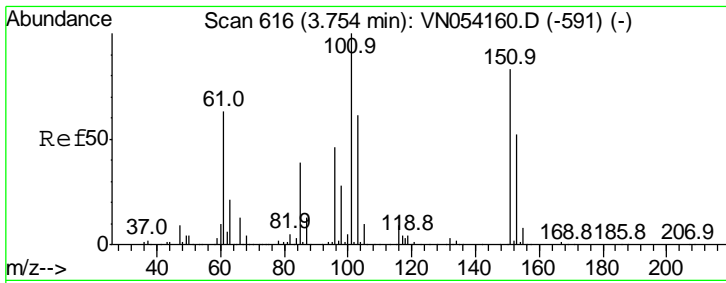


#8  
 Diethyl Ether  
 Concen: 49.558 ug/l  
 RT: 3.41 min Scan# 509  
 Delta R.T. -0.00 min  
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.9	43.1	129.4







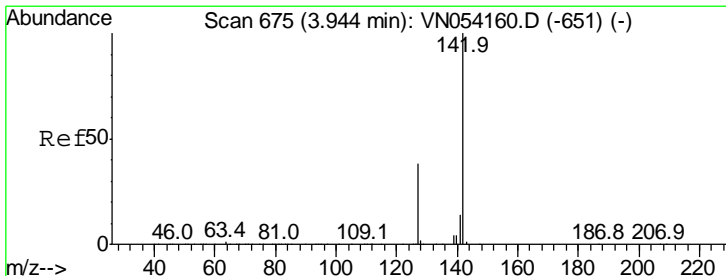
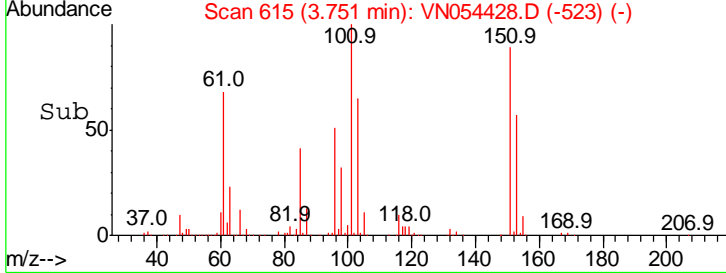
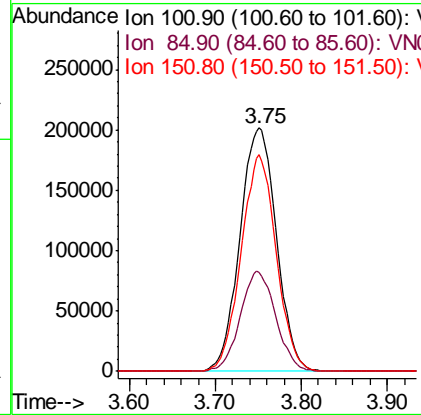
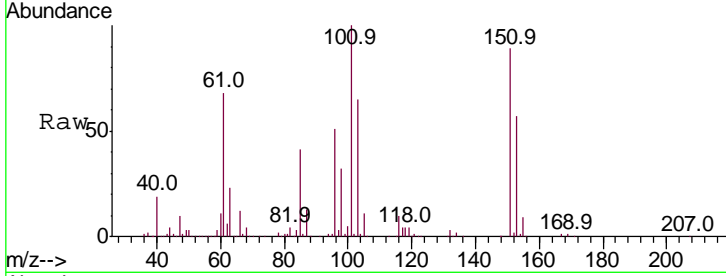
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 44.327 ug/l  
 RT: 3.75 min Scan# 615  
 Delta R.T. -0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
101	594610		
101	100		
85	39.9	32.4	48.6
151	85.5	68.2	102.2

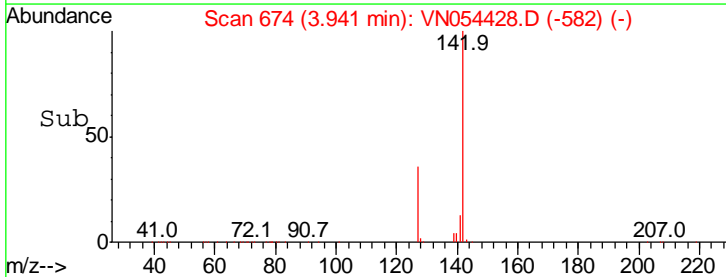
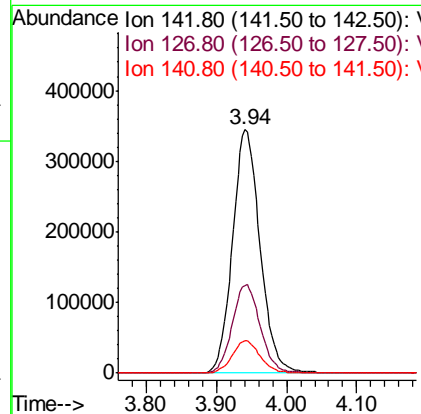
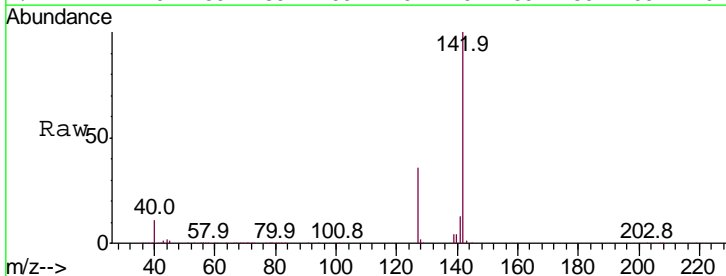
Manual Integrations  
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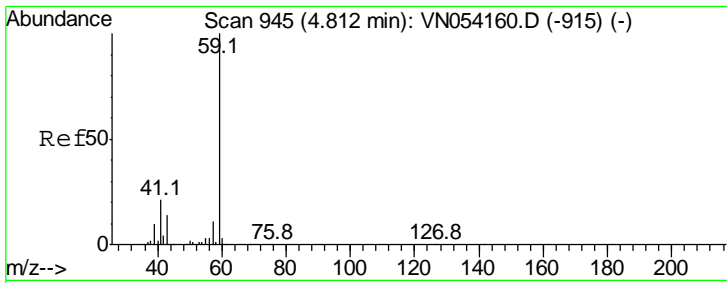
MMDadoda  
 3/19/2019 9:23:15 AM



#10  
 Methyl Iodide  
 Concen: 49.355 ug/l  
 RT: 3.94 min Scan# 674  
 Delta R.T. -0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
142	939832		
142	100		
127	37.0	30.3	45.5
141	13.6	11.2	16.8



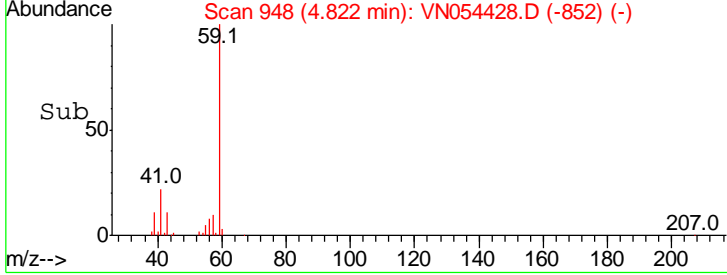
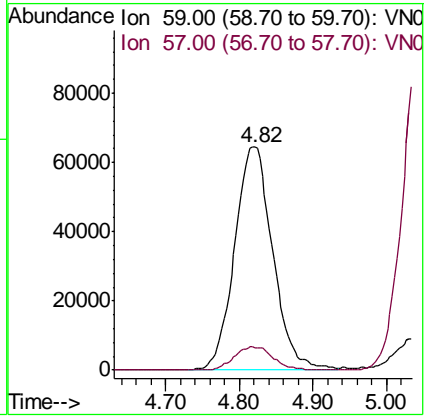
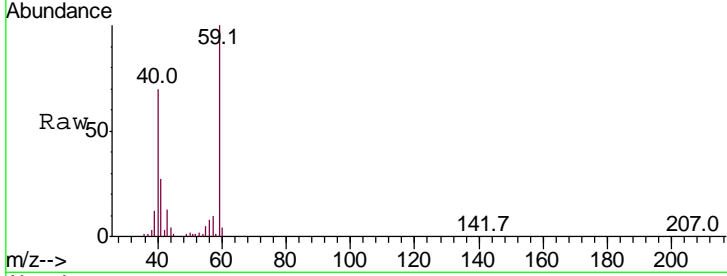


#11  
 Tert butyl alcohol  
 Concen: 249.429 ug/l  
 RT: 4.82 min Scan# 948  
 Delta R.T. 0.01 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

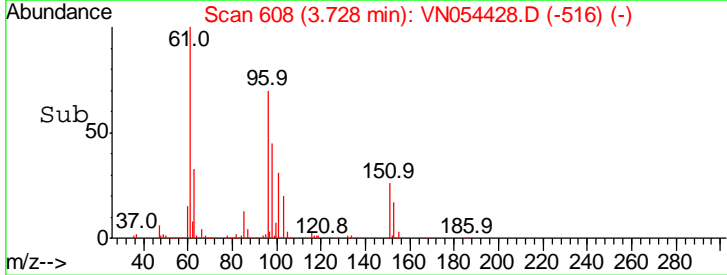
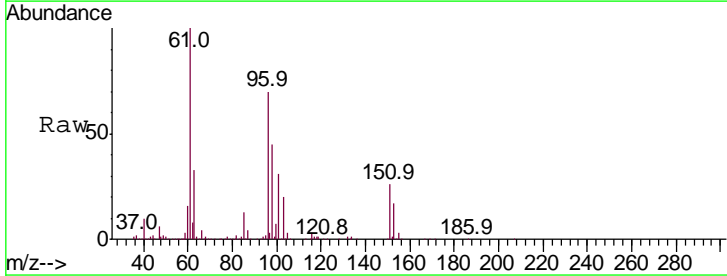
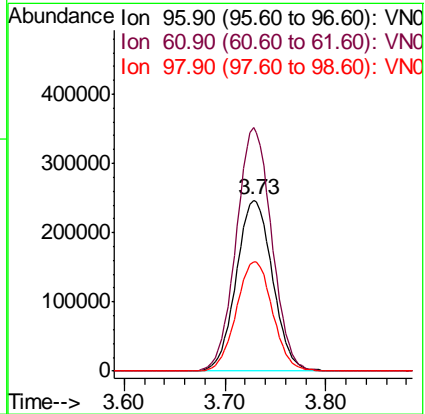
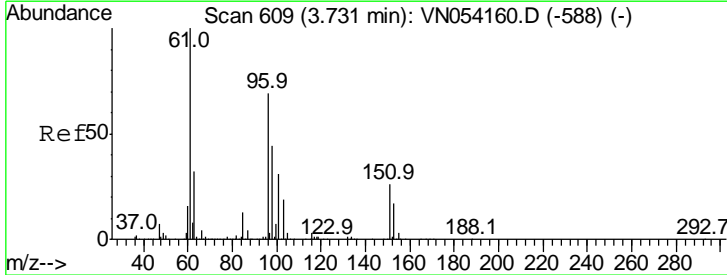
Tgt Ion	Resp	Lower	Upper
59	100		
57	10.7	9.0	13.6

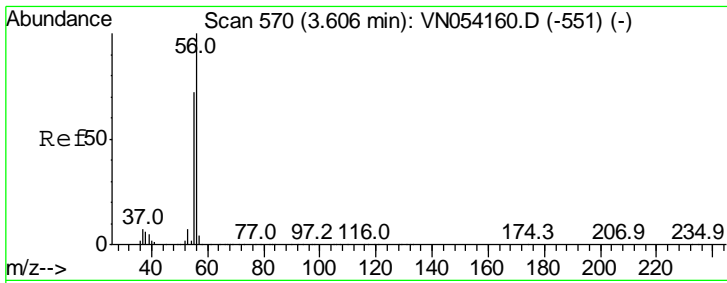
Manual Integrations  
**APPROVED**  
 MMDadoda  
 3/19/2019 9:23:15 AM



#12  
 1,1-Dichloroethene  
 Concen: 46.183 ug/l  
 RT: 3.73 min Scan# 608  
 Delta R.T. -0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
96	100		
61	142.2	116.5	174.7
98	64.0	51.0	76.4



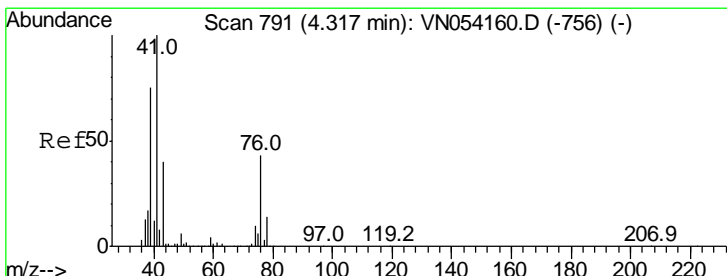
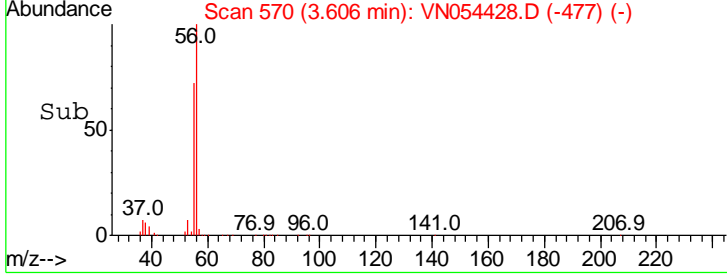
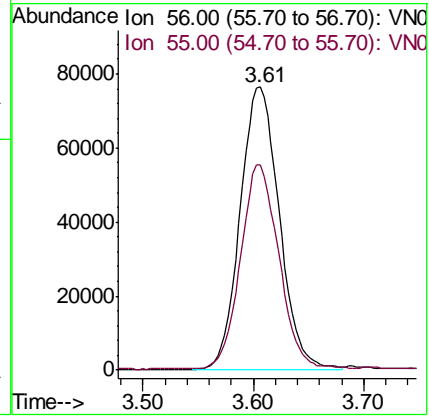
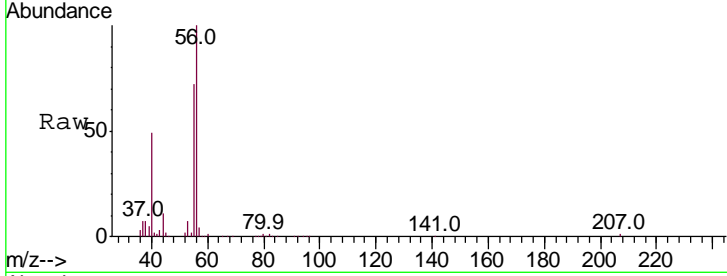


#13  
 Acrolein  
 Concen: 214.148 ug/l  
 RT: 3.61 min Scan# 570  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument : MSVOA\_N  
 ClientSampled : VSTDCCC050EC

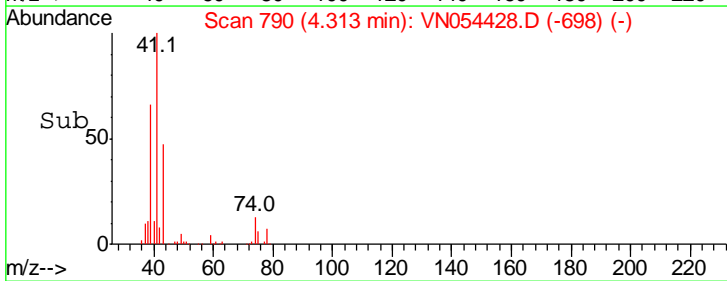
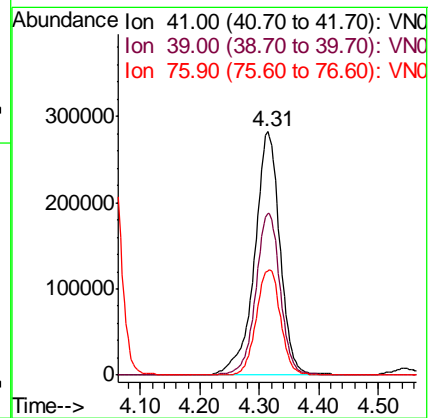
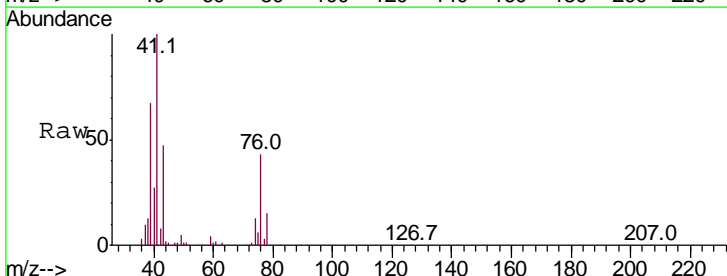
Tgt Ion	Resp	Lower	Upper
56	189040		
56	100		
55	69.6	56.7	85.1

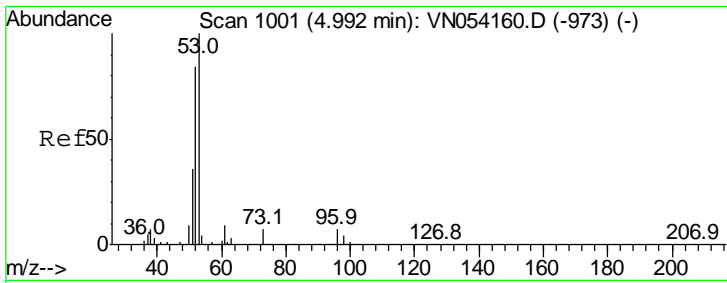
Manual Integrations  
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 MMDadoda  
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#14  
 Allyl chloride  
 Concen: 49.510 ug/l  
 RT: 4.31 min Scan# 790  
 Delta R.T. -0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
41	844419		
41	100		
39	64.2	58.2	87.4
76	41.2	31.7	47.5





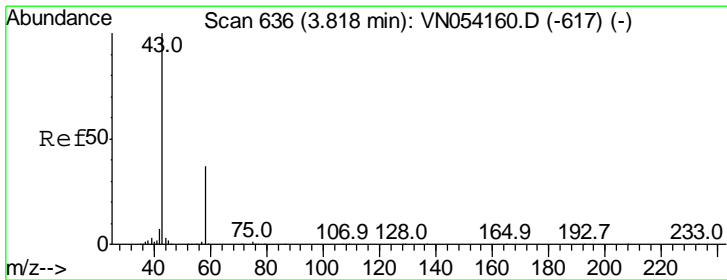
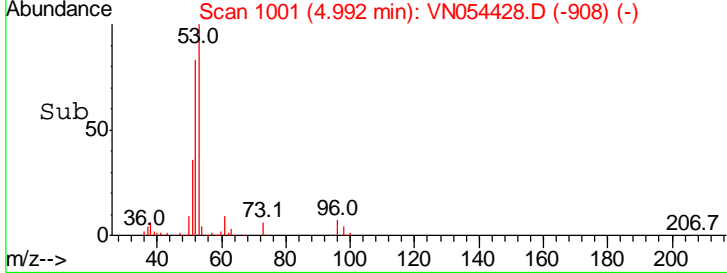
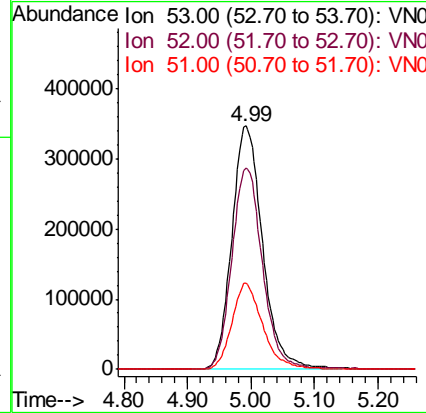
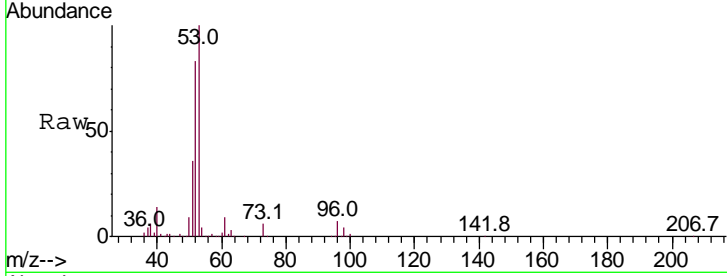
#15  
 Acrylonitrile  
 Concen: 304.340 ug/l  
 RT: 4.99 min Scan# 1001  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 VSTDCCC050EC

Tgt Ion: 53 Resp: 1164608

Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.4	99.6
51	35.6	29.6	44.4

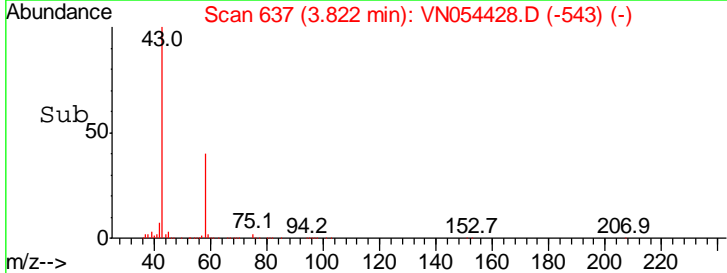
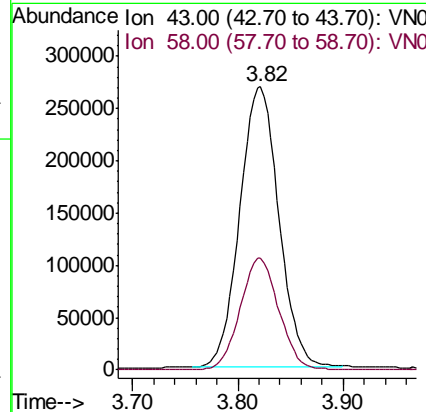
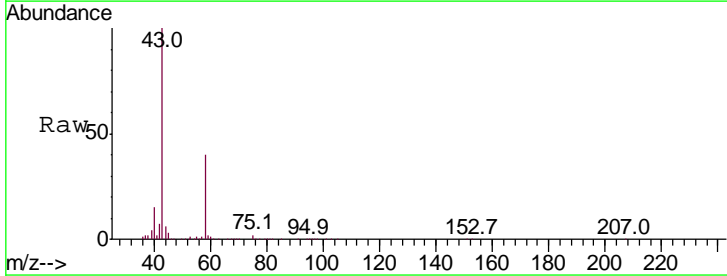
**Manual Integrations**  
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 MMDadoda  
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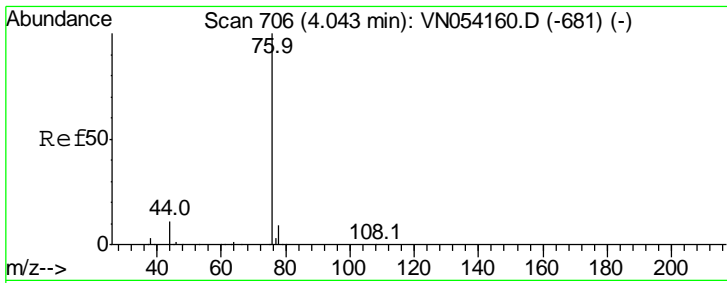


#16  
 Acetone  
 Concen: 177.061 ug/l  
 RT: 3.82 min Scan# 637  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion: 43 Resp: 688913

Ion	Ratio	Lower	Upper
43	100		
58	39.7	29.9	44.9





#17  
 Carbon Disulfide  
 Concen: 41.804 ug/l  
 RT: 4.04 min Scan# 705  
 Delta R.T. -0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

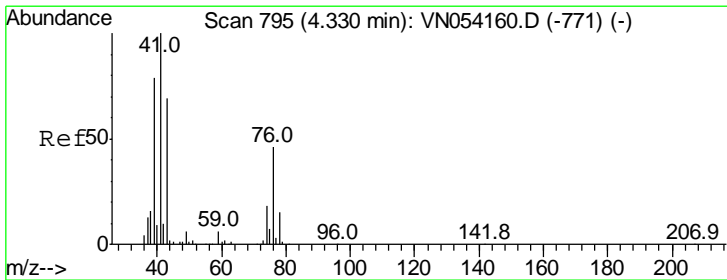
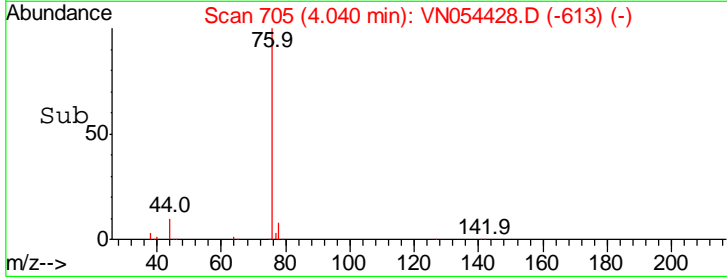
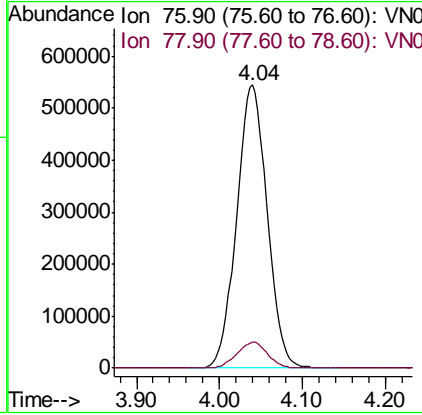
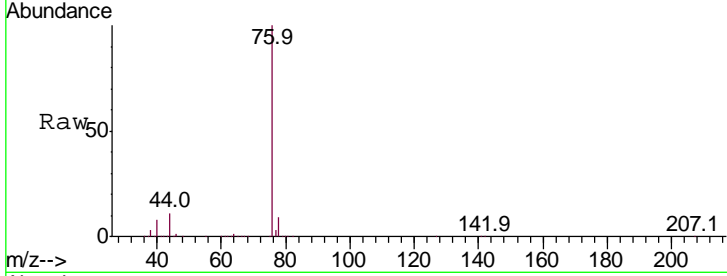
**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 VSTDCCC050EC

Tgt Ion: 76 Resp: 1393089

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.5	11.3

**Manual Integrations**  
**APPROVED**

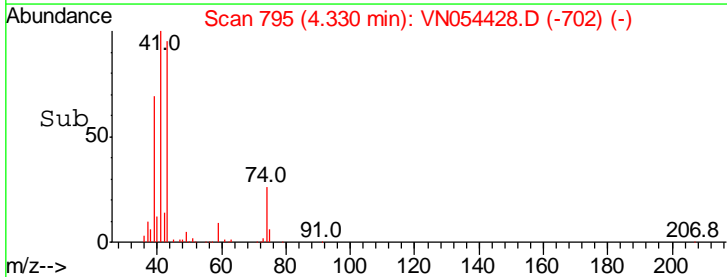
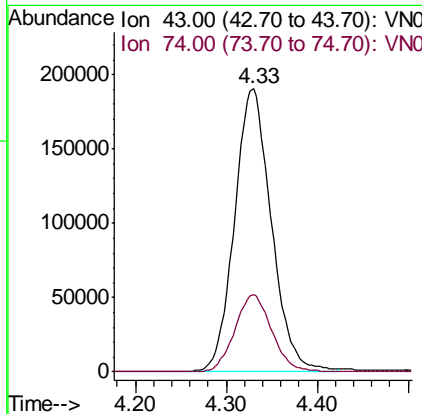
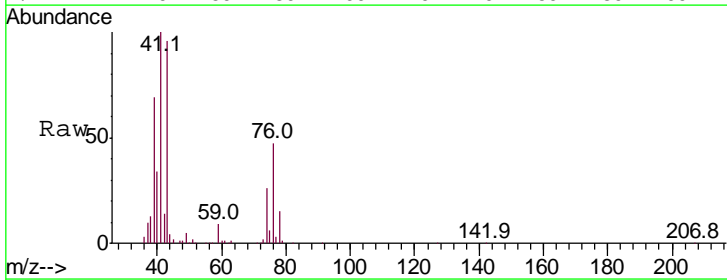
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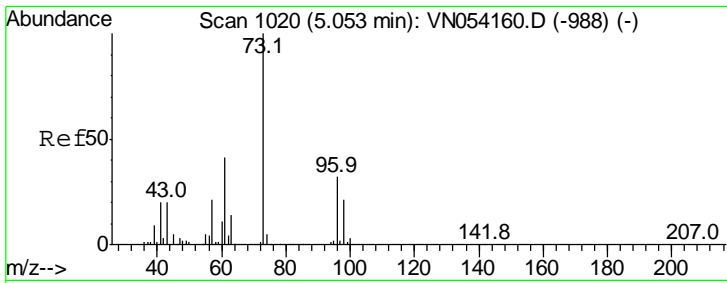


#18  
 Methyl Acetate  
 Concen: 67.488 ug/l  
 RT: 4.33 min Scan# 795  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion: 43 Resp: 531257

Ion	Ratio	Lower	Upper
43	100		
74	27.7	20.8	31.2





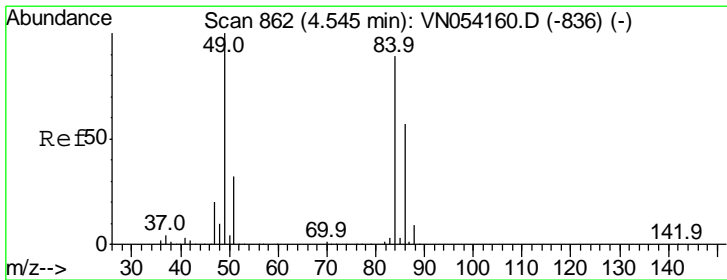
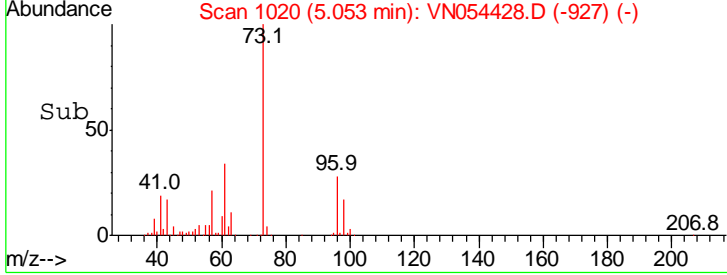
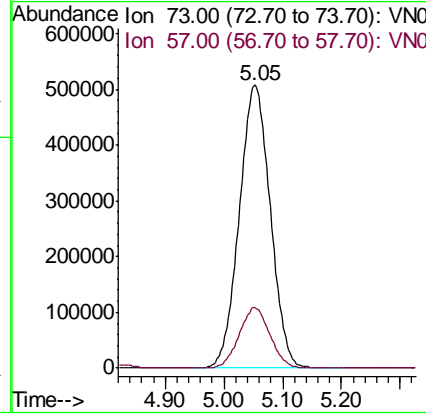
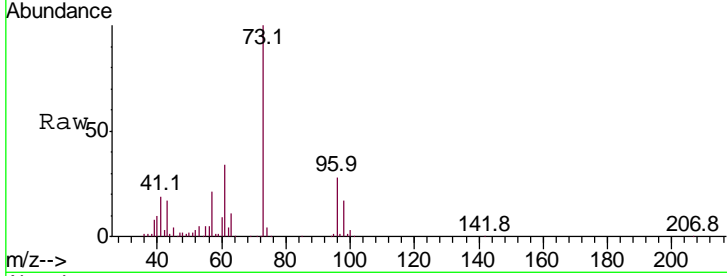
#19  
Methyl tert-butyl Ether  
Concen: 56.725 ug/l  
RT: 5.05 min Scan# 1020  
Delta R.T. 0.00 min  
Lab File: VN054428.D  
Acq: 19 Mar 2019 7:46

Instrument : MSVOA\_N  
ClientSampled : VN054428.D  
VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
73	100		
57	21.2	16.8	25.2

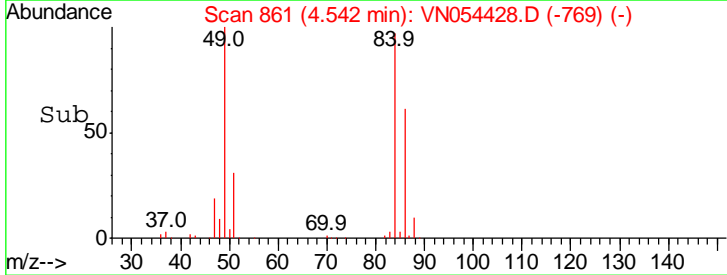
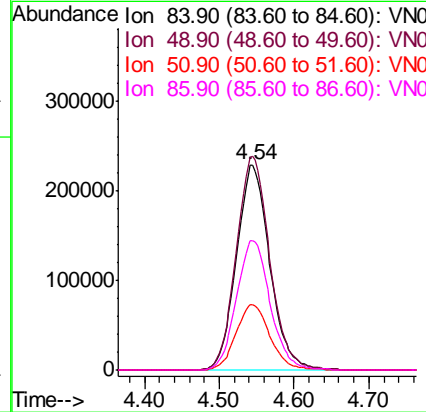
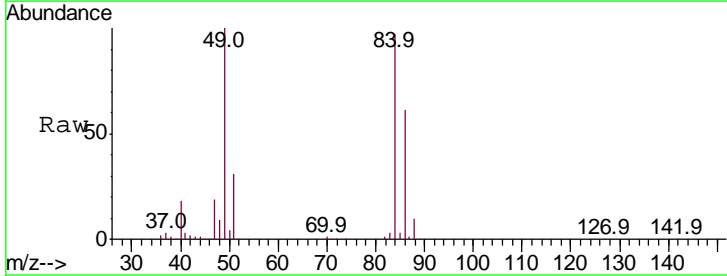
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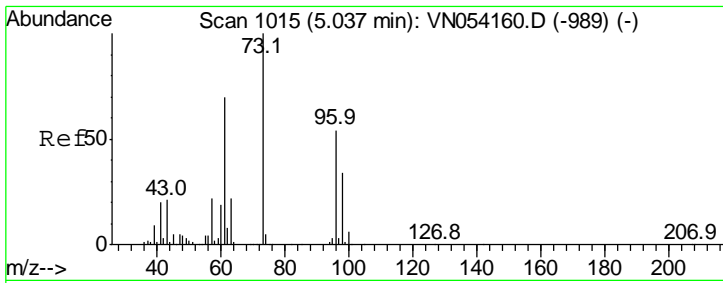
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#20  
Methylene Chloride  
Concen: 55.327 ug/l  
RT: 4.54 min Scan# 861  
Delta R.T. -0.00 min  
Lab File: VN054428.D  
Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
84	100		
49	103.4	89.7	134.5
51	31.6	28.2	42.4
86	63.0	50.8	76.2





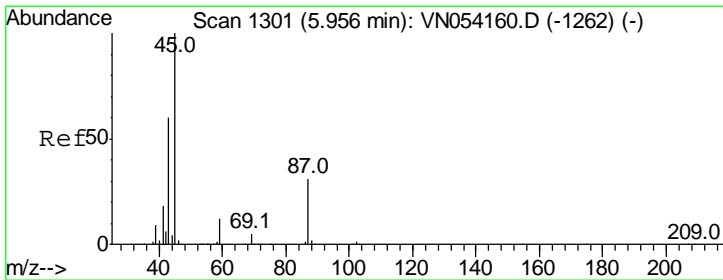
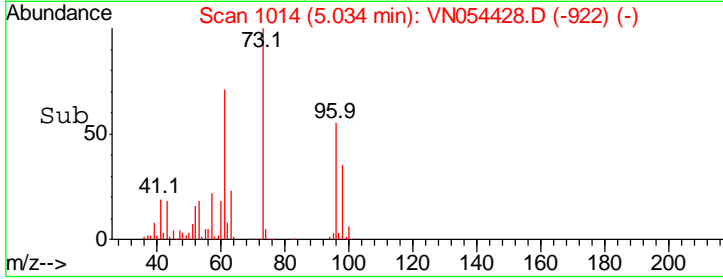
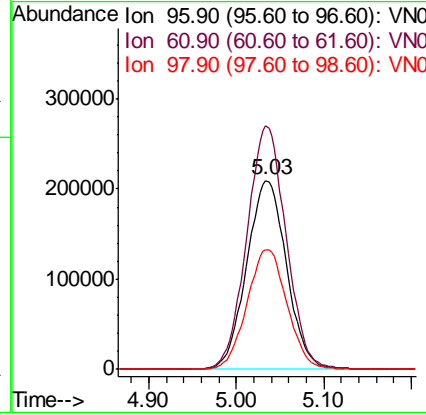
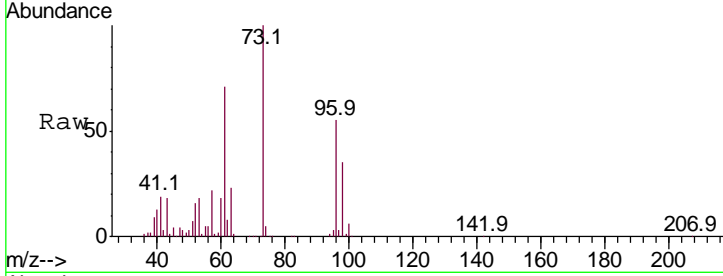
#21  
 trans-1,2-Dichloroethene  
 Concen: 51.980 ug/l  
 RT: 5.03 min Scan# 1014  
 Delta R.T. -0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
96	100		
61	129.1	102.8	154.2
98	63.3	50.0	75.0

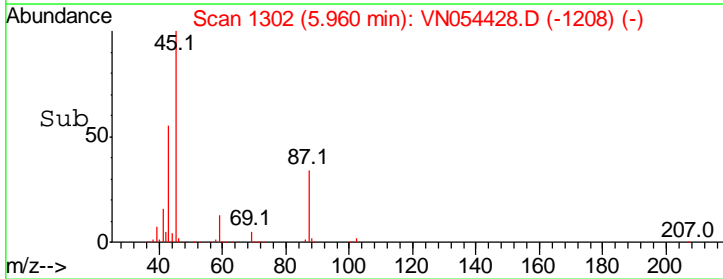
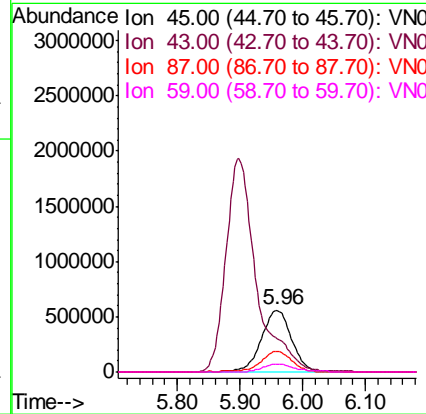
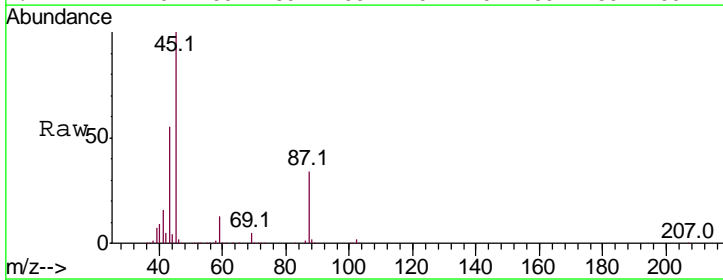
Manual Integrations  
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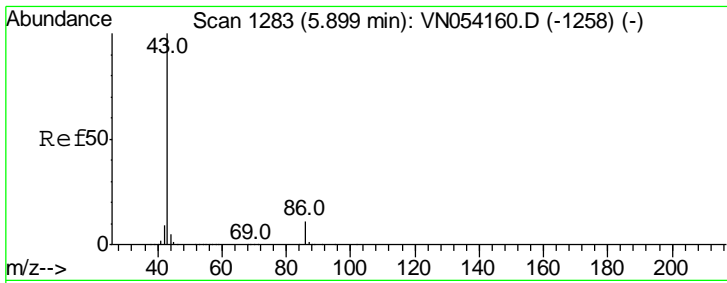
MMDadoda  
 3/19/2019 9:23:15 AM



#22  
 Diisopropyl ether  
 Concen: 55.501 ug/l  
 RT: 5.96 min Scan# 1302  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
45	100		
43	55.0	48.2	72.2
87	33.9	24.9	37.3
59	12.9	9.5	14.3





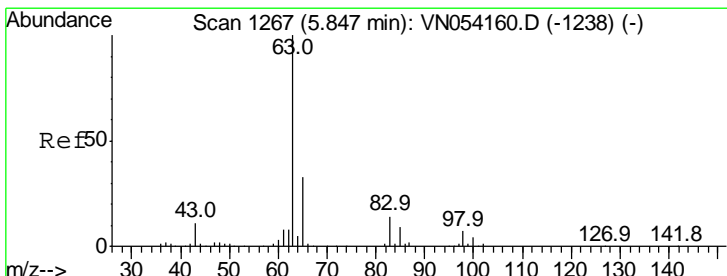
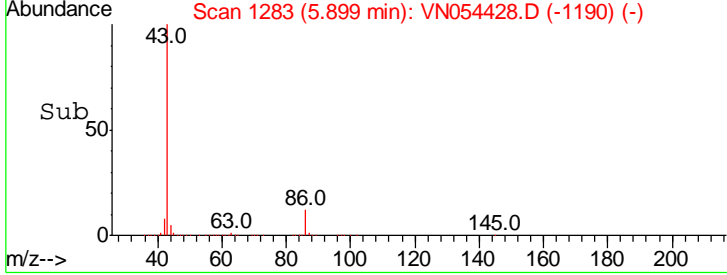
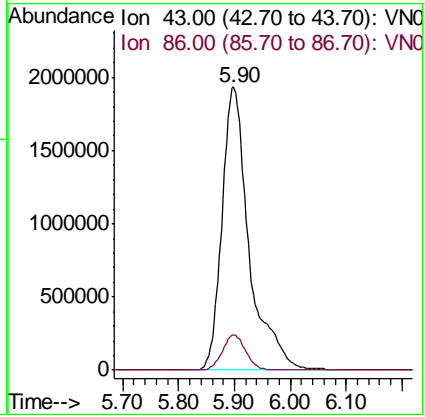
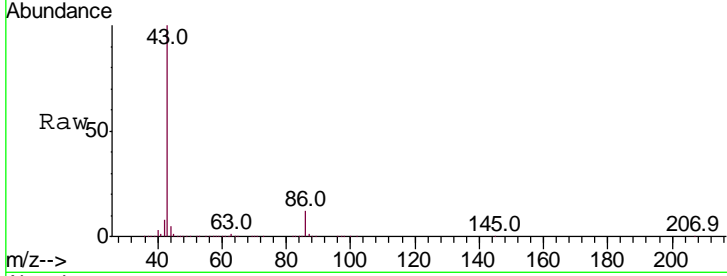
#23  
 Vinyl Acetate  
 Concen: 260.868 ug/l  
 RT: 5.90 min Scan# 1283  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 6547263

Ion	Ratio	Lower	Upper
43	100		
86	12.5	9.1	13.7

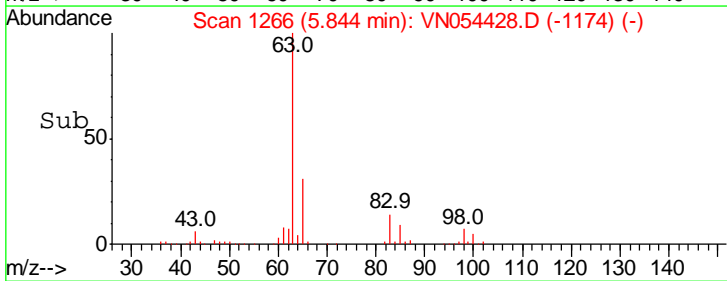
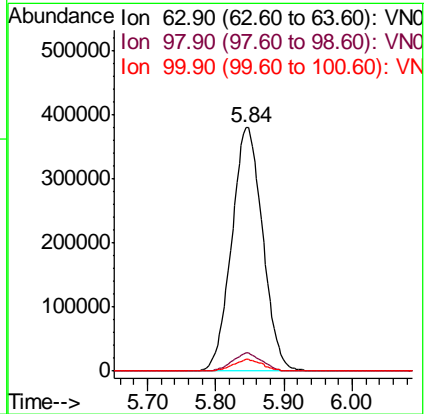
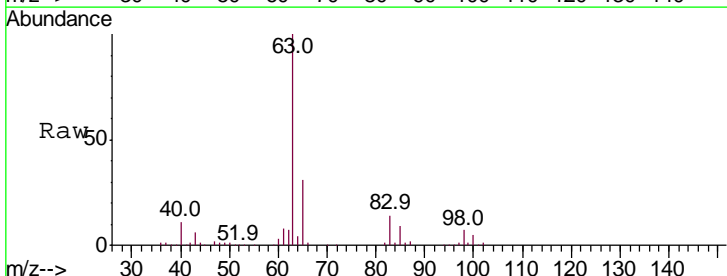
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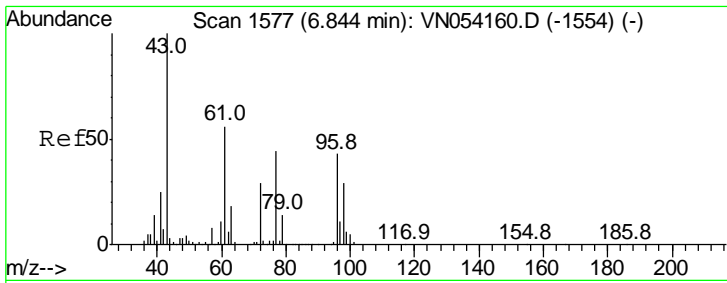
#24  
 1,1-Dichloroethane  
 Concen: 54.905 ug/l  
 RT: 5.84 min Scan# 1266  
 Delta R.T. -0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion: 63 Resp: 1200029

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.5
100	4.7	2.0	6.0







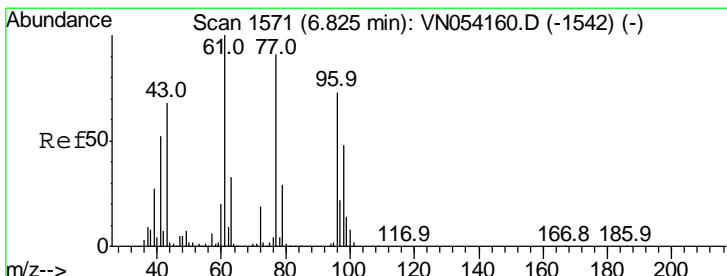
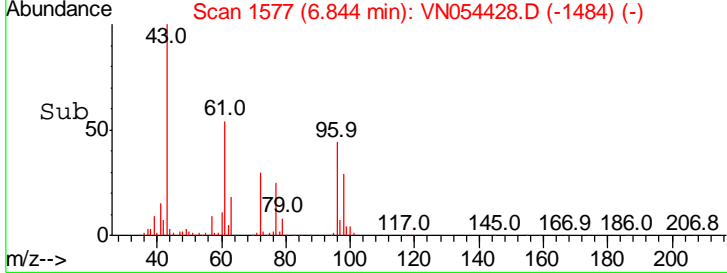
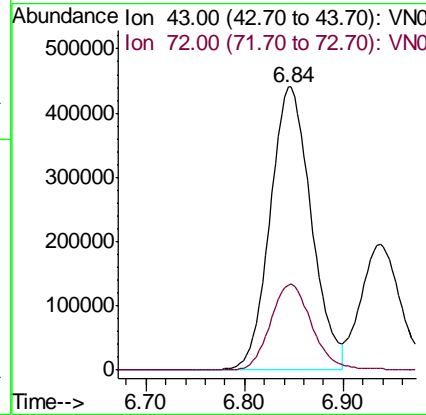
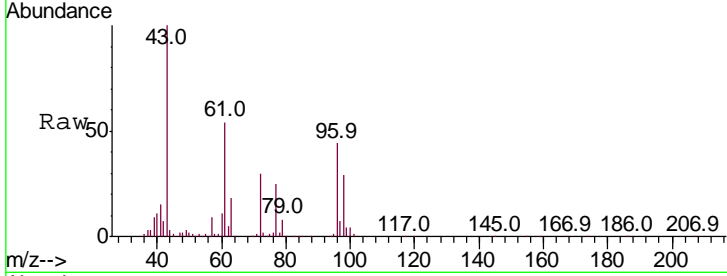
#25  
 2-Butanone  
 Concen: 278.173 ug/l  
 RT: 6.84 min Scan# 1577  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument : MSVOA\_N  
 ClientSampled : VSTDCCC050EC

Tgt Ion: 43 Resp: 1270319

Ion	Ratio	Lower	Upper
43	100		
72	30.1	23.0	34.6

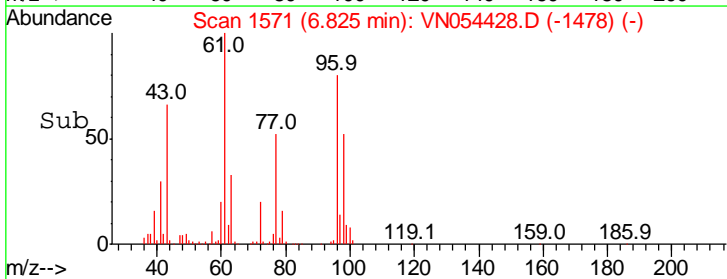
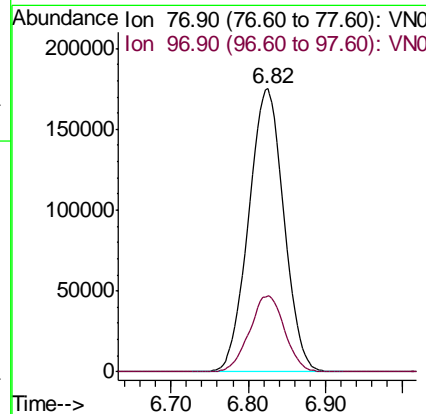
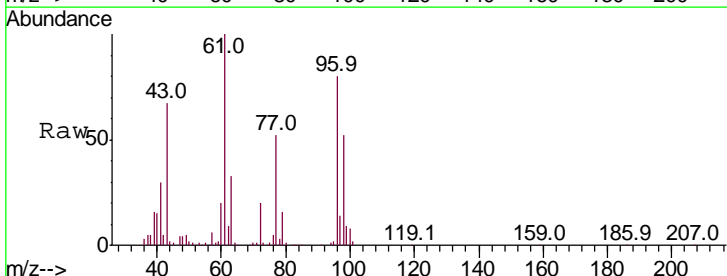
Manual Integrations APPROVED  
 MMDadoda  
 3/19/2019 9:23:15 AM

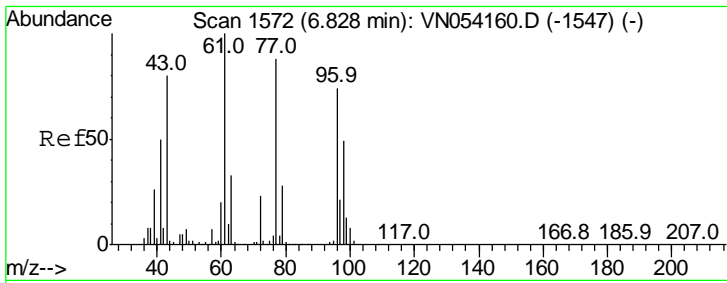


#26  
 2,2-Dichloropropane  
 Concen: 28.928 ug/l  
 RT: 6.82 min Scan# 1571  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion: 77 Resp: 556020

Ion	Ratio	Lower	Upper
77	100		
97	26.7	11.9	35.9





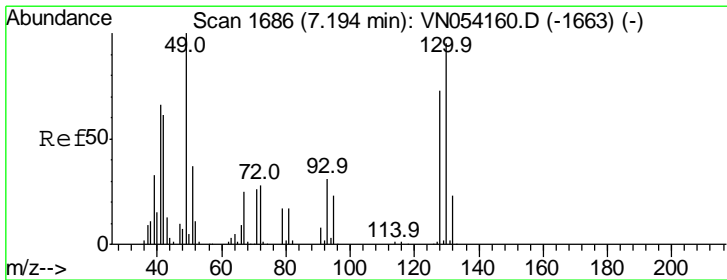
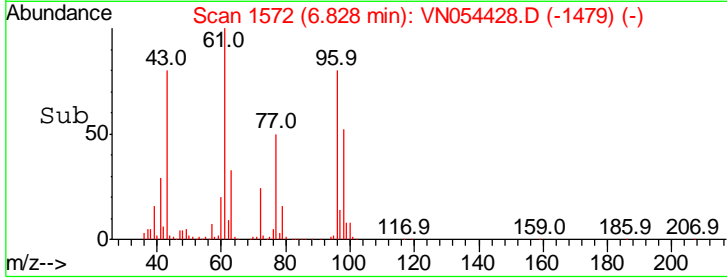
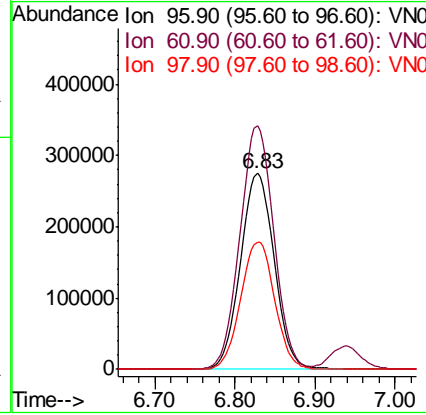
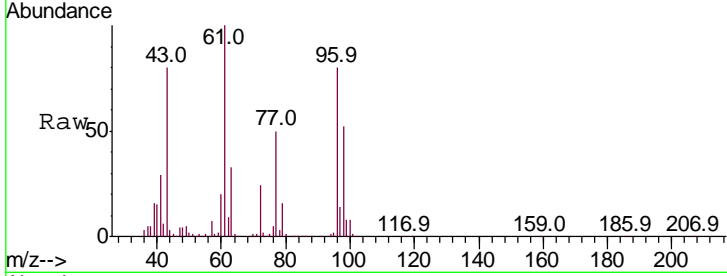
#27  
 cis-1,2-Dichloroethene  
 Concen: 55.222 ug/l  
 RT: 6.83 min Scan# 1572  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument : MSVOA\_N  
 Client Sampled : VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
96	100		
61	125.0	0.0	273.0
98	65.4	0.0	130.6

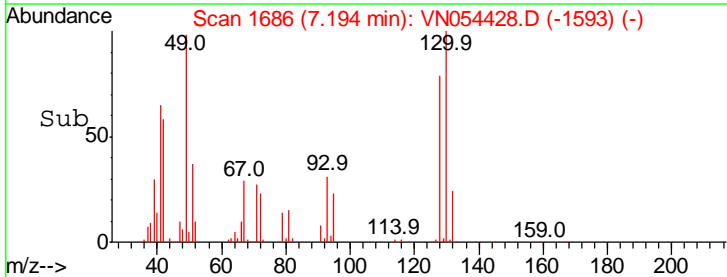
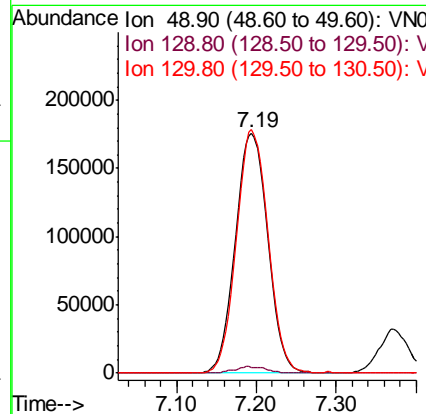
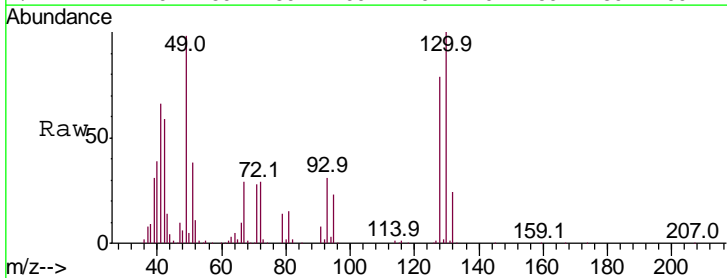
Manual Integrations  
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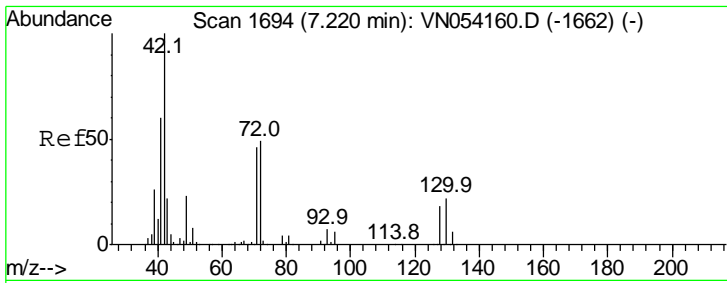
MMDadoda  
 3/19/2019 9:23:15 AM



#28  
 Bromochloromethane  
 Concen: 54.025 ug/l  
 RT: 7.19 min Scan# 1686  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
49	100		
129	2.6	0.0	4.6
130	99.0	76.7	115.1





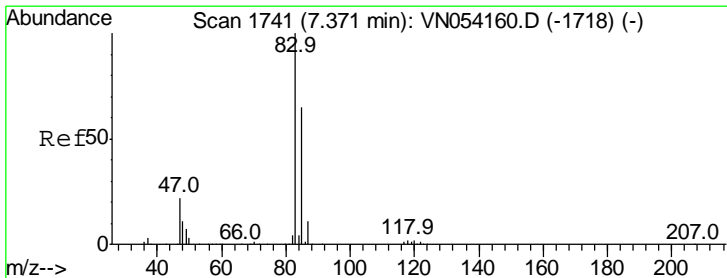
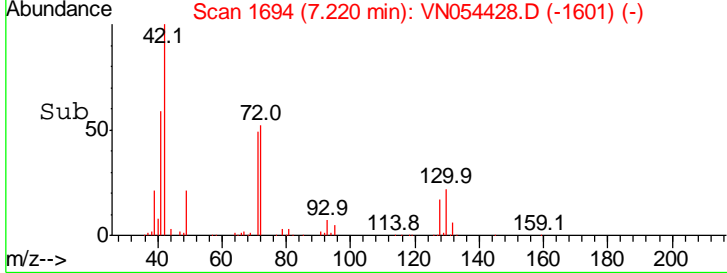
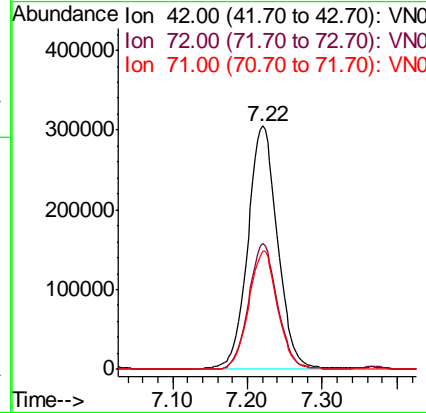
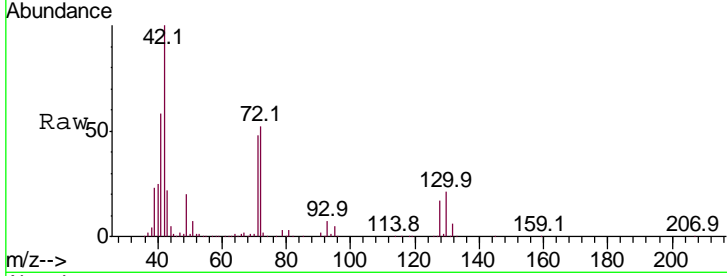
#29  
 Tetrahydrofuran  
 Concen: 286.149 ug/l  
 RT: 7.22 min Scan# 1694  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument : MSVOA\_N  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	50.2	37.8	56.6
71	47.6	36.2	54.2

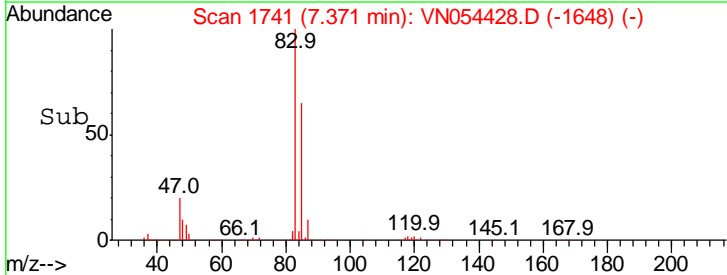
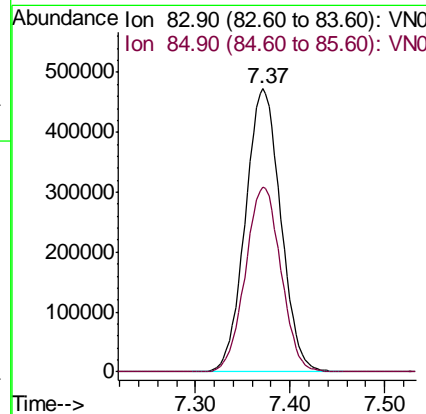
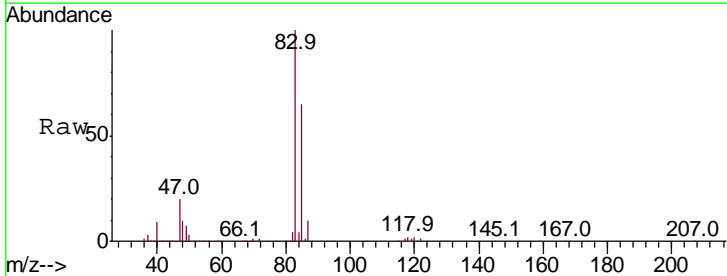
Manual Integrations  
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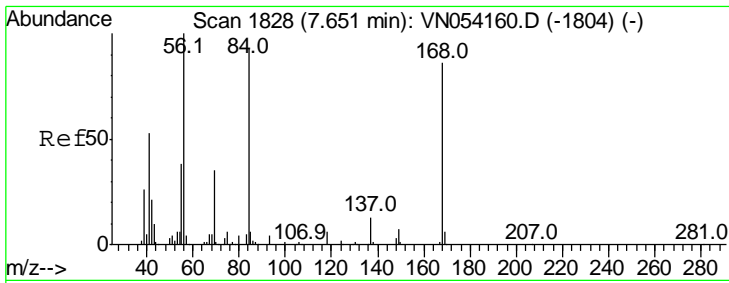
MMDadoda  
 3/19/2019 9:23:15 AM



#30  
 Chloroform  
 Concen: 53.879 ug/l  
 RT: 7.37 min Scan# 1741  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4





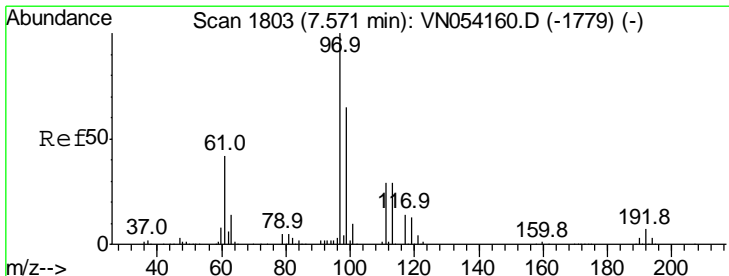
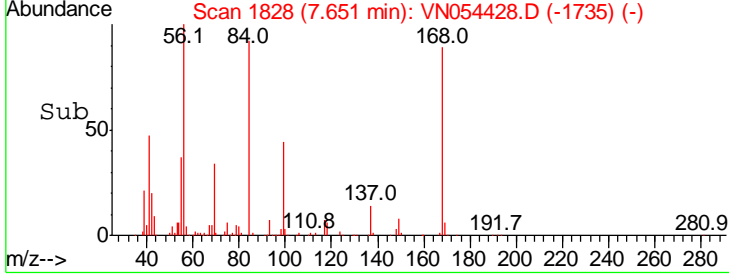
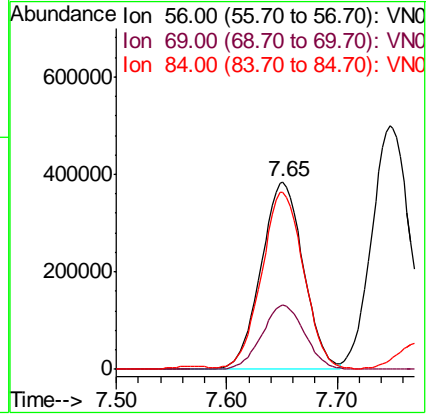
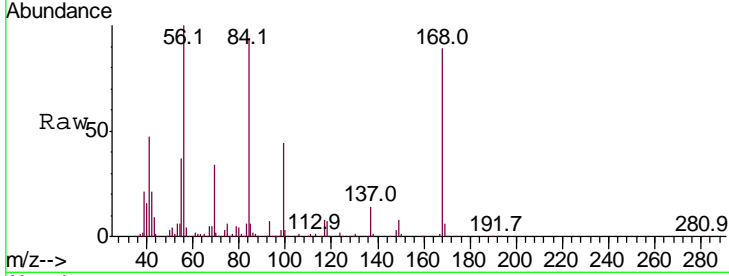
#31  
 Cyclohexane  
 Concen: 49.916 ug/l  
 RT: 7.65 min Scan# 1828  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument : MSVOA\_N  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
56	100		
69	34.3	27.8	41.6
84	93.0	74.6	111.8

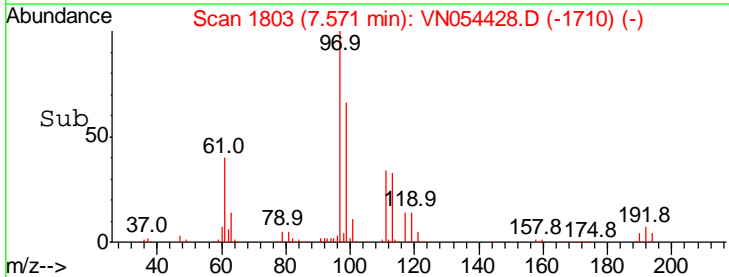
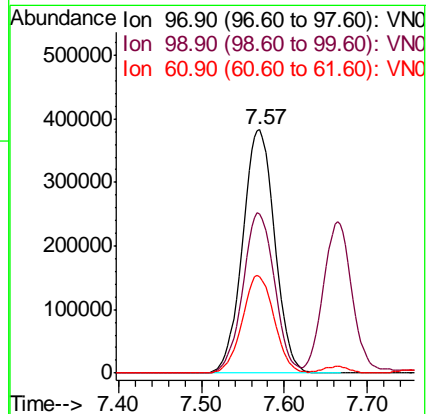
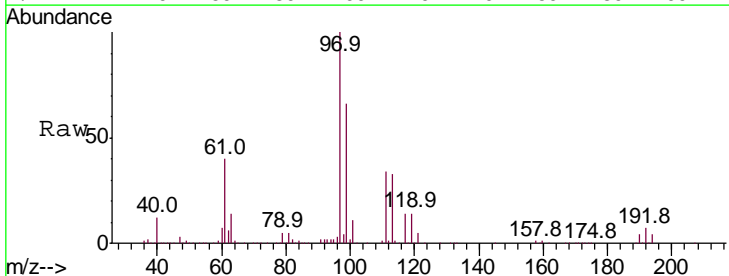
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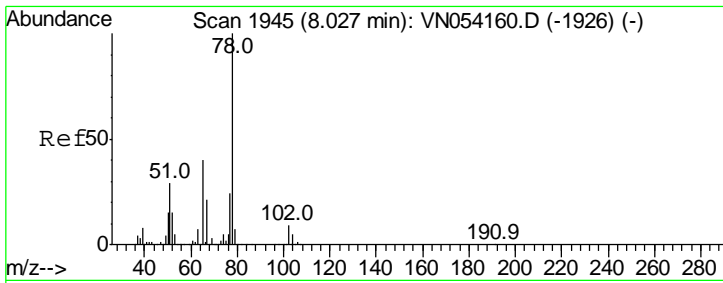
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#32  
 1,1,1-Trichloroethane  
 Concen: 49.929 ug/l  
 RT: 7.57 min Scan# 1803  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
97	100		
99	65.0	51.5	77.3
61	39.9	33.6	50.4





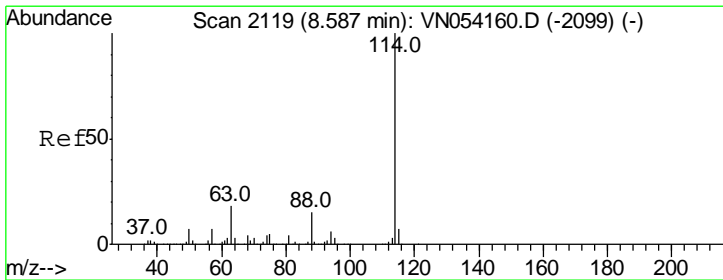
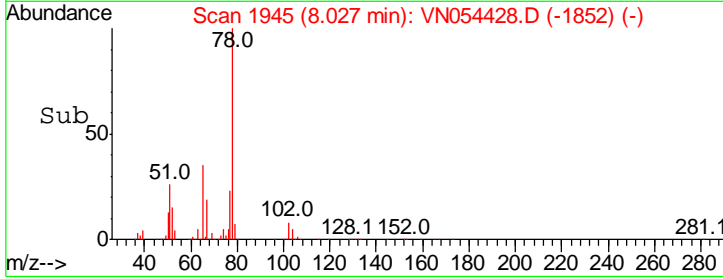
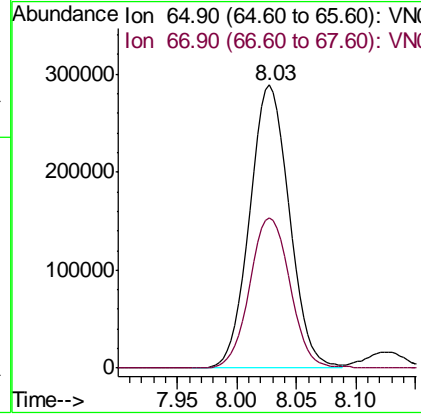
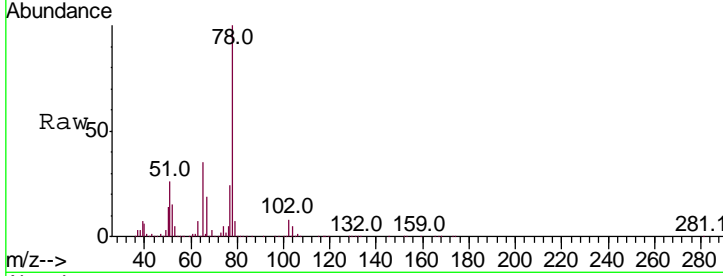
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.089 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.4	0.0	104.6

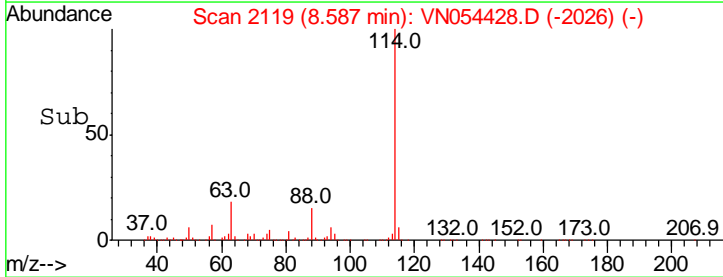
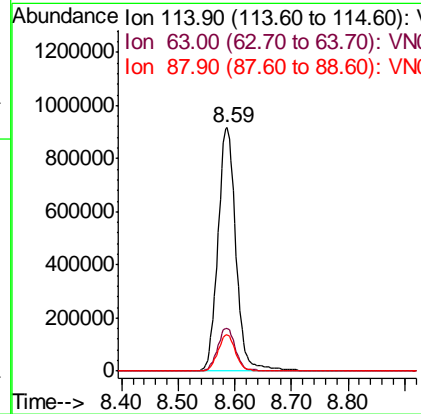
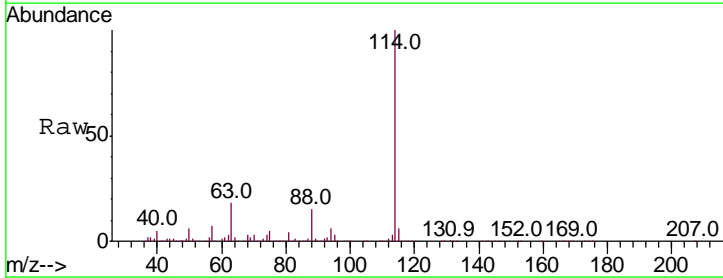
Manual Integrations  
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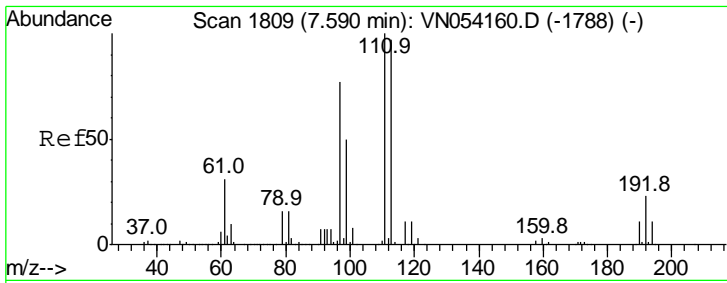
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 3/19/2019 9:23:15 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
114	100		
63	17.8	0.0	35.2
88	14.9	0.0	30.2





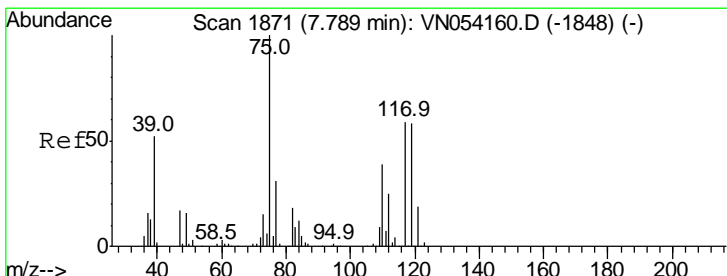
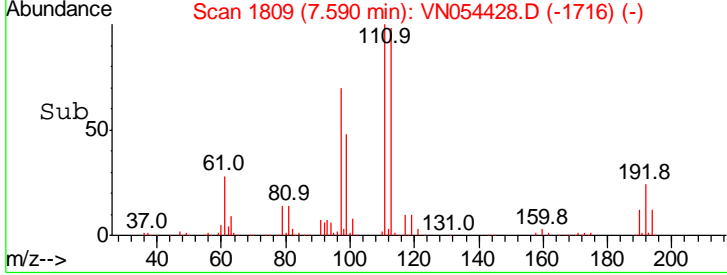
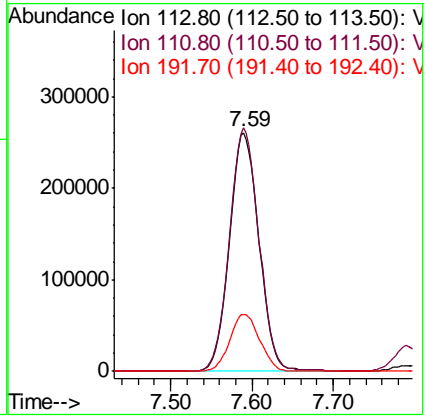
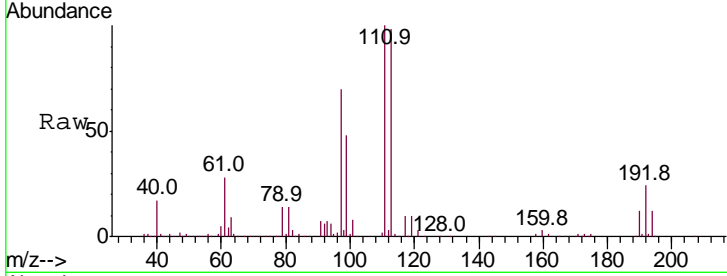
#35  
 Dibromofluoromethane  
 Concen: 50.581 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion: 113 Resp: 658575

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.4
192	24.2	19.2	28.8

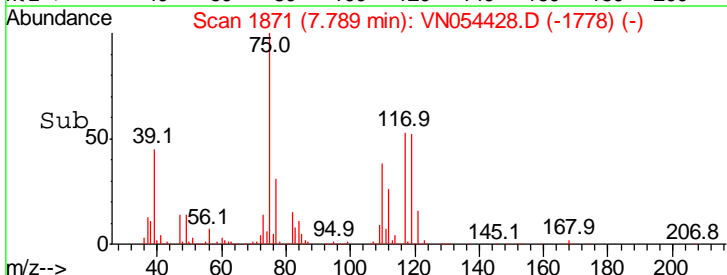
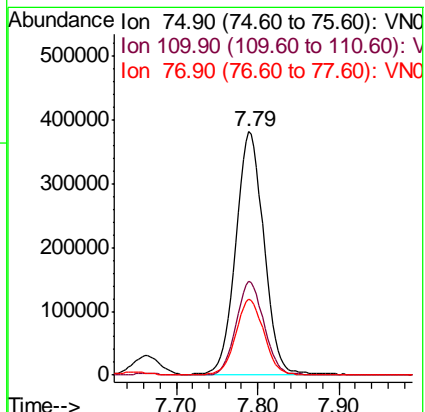
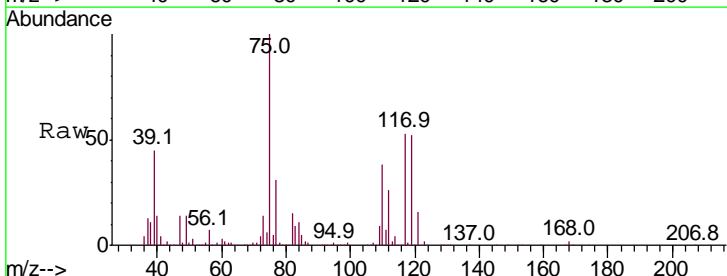
Manual Integrations  
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 3/19/2019 9:23:15 AM

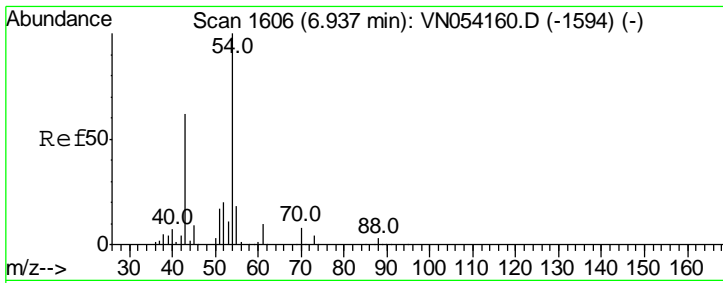


#36  
 1,1-Dichloropropene  
 Concen: 48.877 ug/l  
 RT: 7.79 min Scan# 1871  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion: 75 Resp: 908681

Ion	Ratio	Lower	Upper
75	100		
110	38.3	19.1	57.5
77	31.3	25.0	37.4





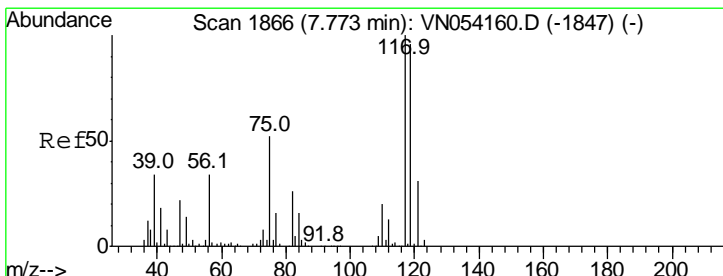
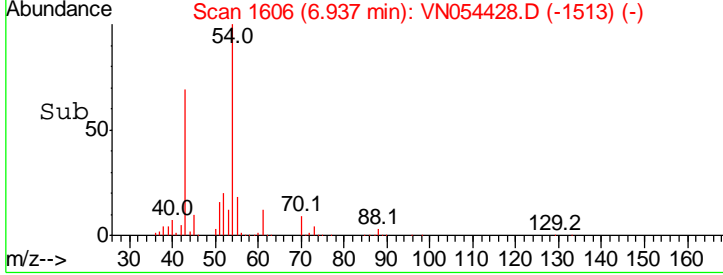
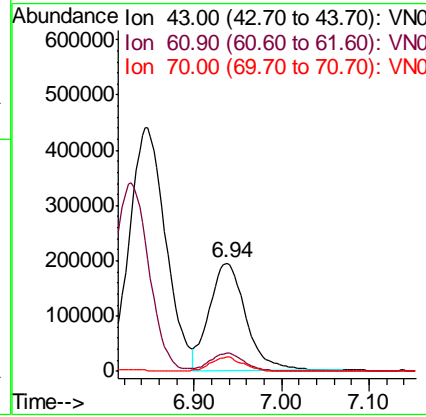
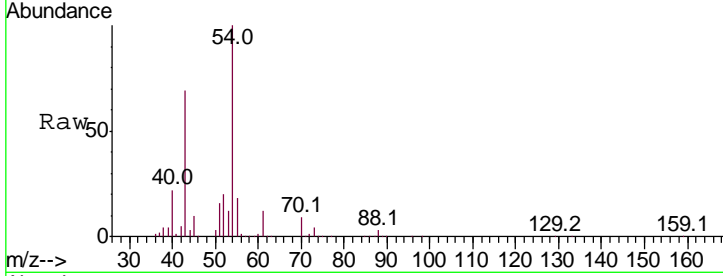
#37  
 Ethyl Acetate  
 Concen: 52.750 ug/l  
 RT: 6.94 min Scan# 1606  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 563489

Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.8	17.6
70	11.6	8.4	12.6

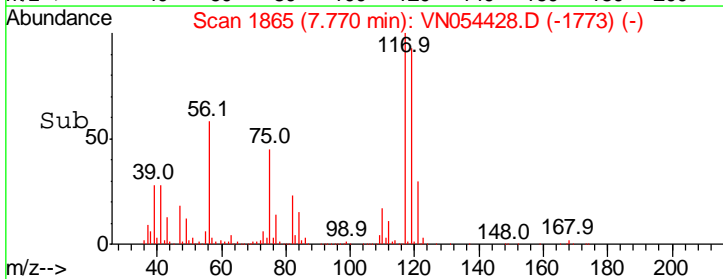
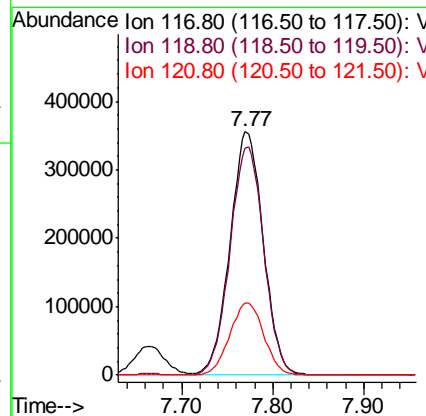
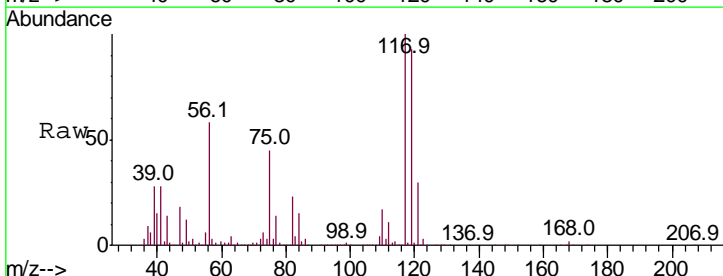
Manual Integrations  
**APPROVED**  
 MMDadoda  
 3/19/2019 9:23:15 AM

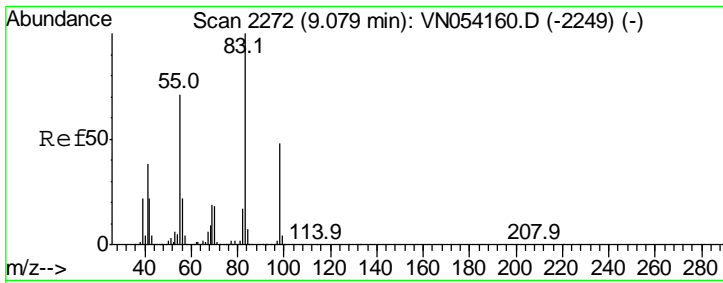


#38  
 Carbon Tetrachloride  
 Concen: 46.161 ug/l  
 RT: 7.77 min Scan# 1865  
 Delta R.T. -0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion: 117 Resp: 899964

Ion	Ratio	Lower	Upper
117	100		
119	93.3	76.3	114.5
121	29.8	24.6	36.8





#39  
 Methylcyclohexane  
 Concen: 44.510 ug/l  
 RT: 9.08 min Scan# 2272  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

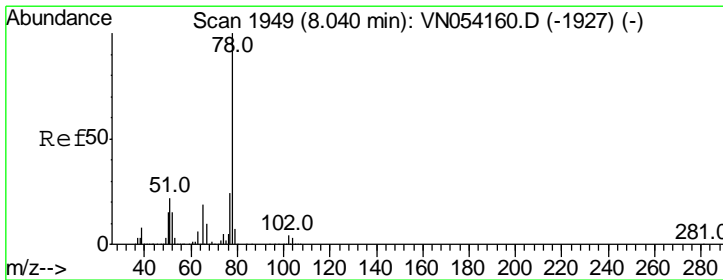
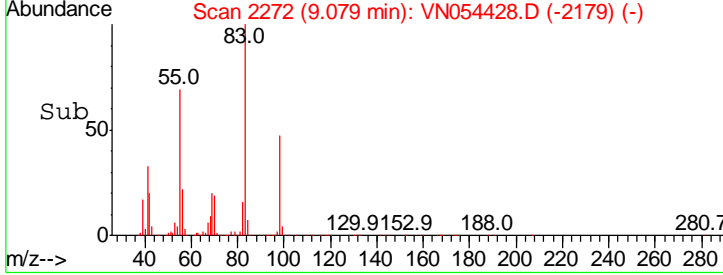
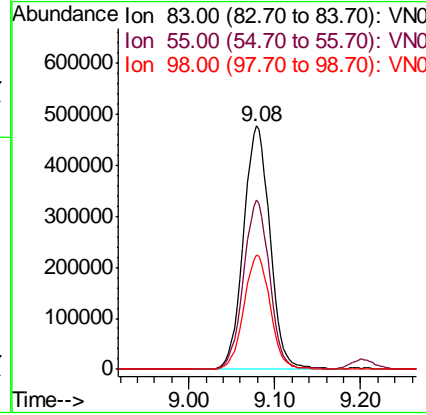
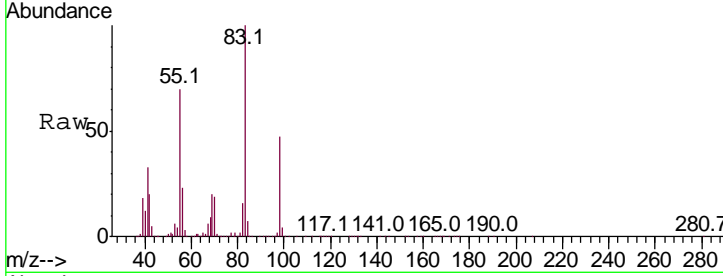
**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 VSTDCCC050EC

Tgt Ion: 83 Resp: 1018124

Ion	Ratio	Lower	Upper
83	100		
55	69.5	56.6	84.8
98	46.8	38.4	57.6

**Manual Integrations**  
**APPROVED**

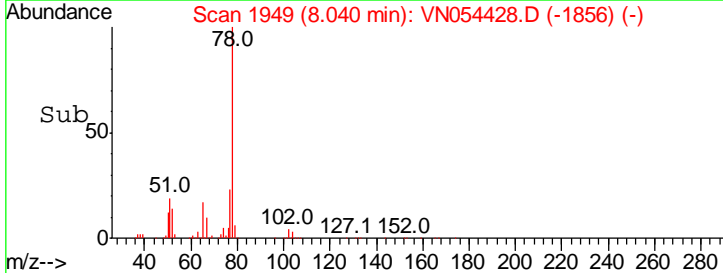
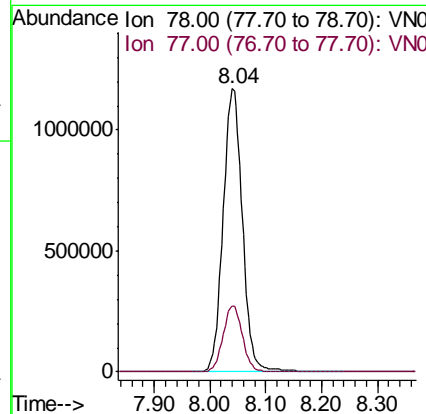
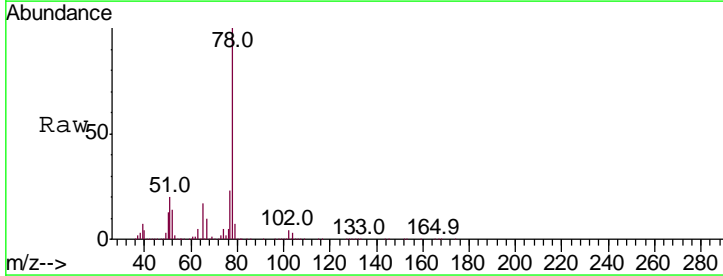
MMDadoda  
 3/19/2019 9:23:15 AM



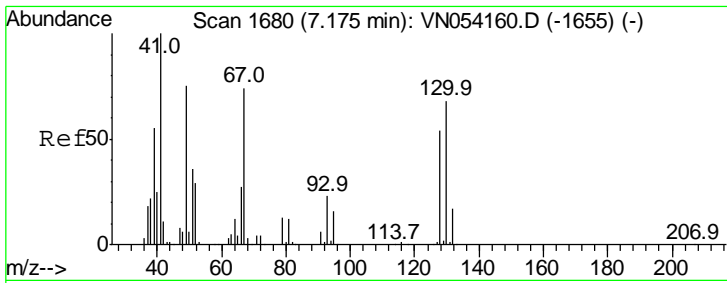
#40  
 Benzene  
 Concen: 52.870 ug/l  
 RT: 8.04 min Scan# 1949  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion: 78 Resp: 2812685

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7







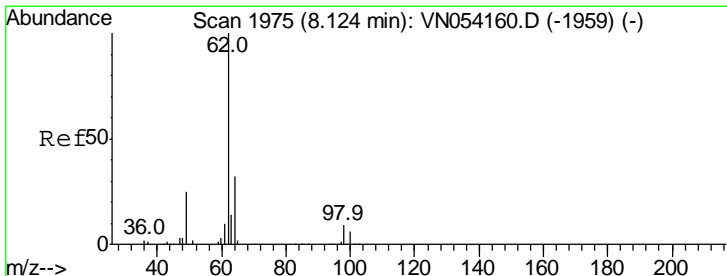
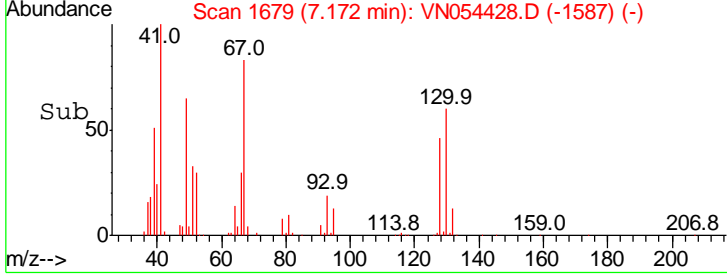
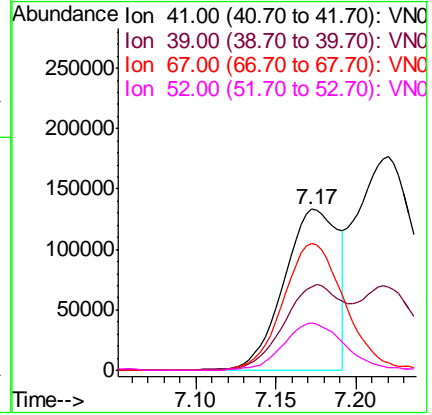
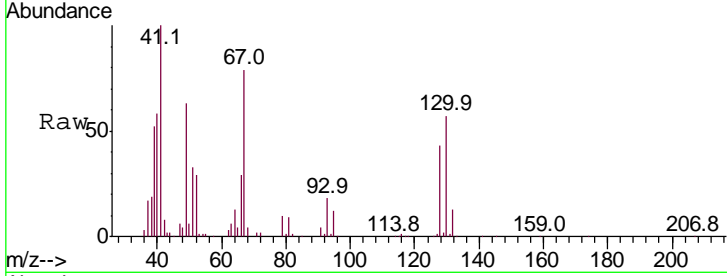
#41  
 Methacrylonitrile  
 Concen: 51.705 ug/l  
 RT: 7.17 min Scan# 1679  
 Delta R.T. -0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
41	100		
39	58.5	46.8	70.2
67	90.4	67.0	100.4
52	32.6	26.5	39.7

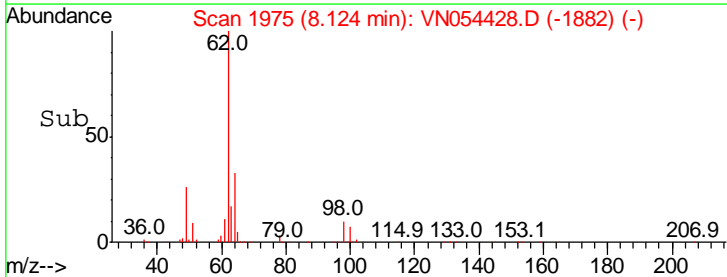
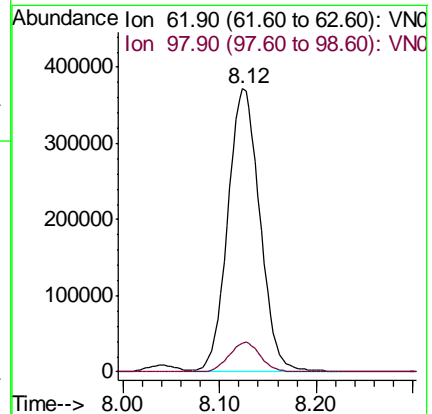
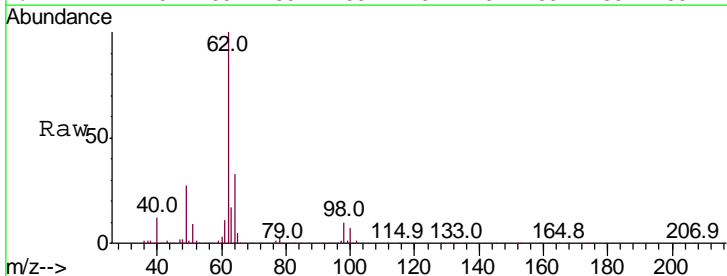
Manual Integrations  
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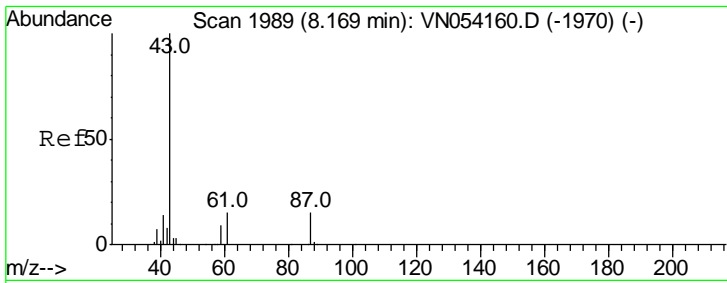
MMDadoda  
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#42  
 1,2-Dichloroethane  
 Concen: 47.515 ug/l  
 RT: 8.12 min Scan# 1975  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.3	0.0	18.4





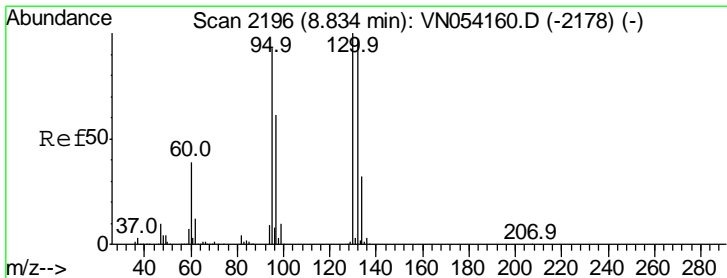
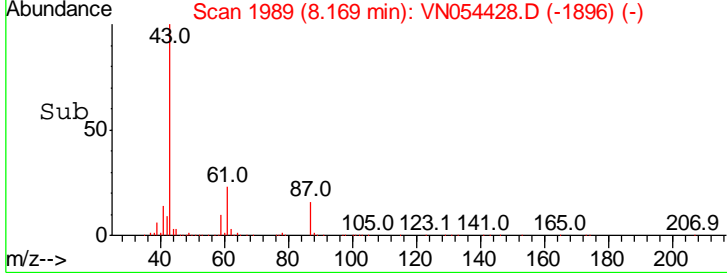
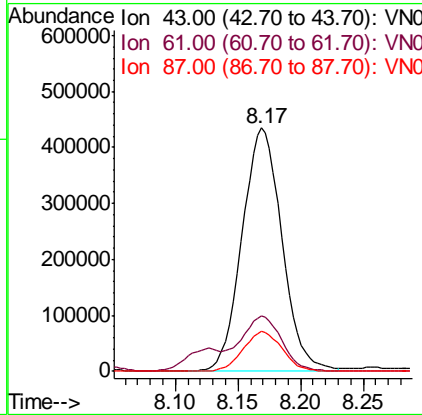
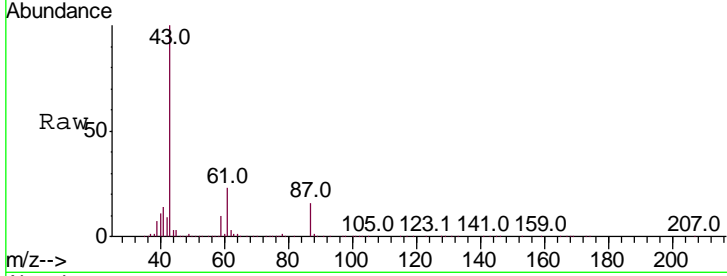
#43  
 Isopropyl Acetate  
 Concen: 51.107 ug/l  
 RT: 8.17 min Scan# 1989  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
43	100		
61	22.5	15.8	23.8
87	16.1	12.0	18.0

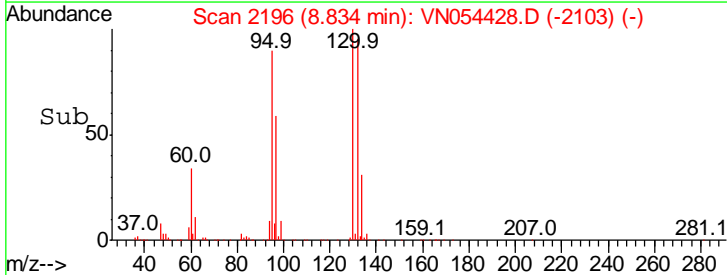
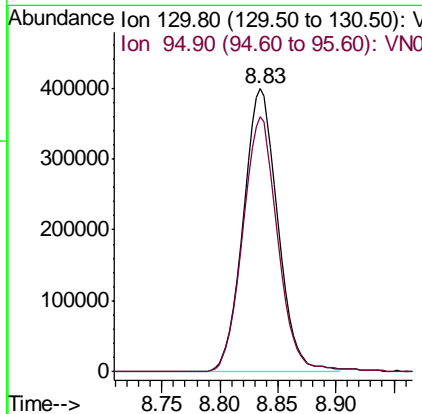
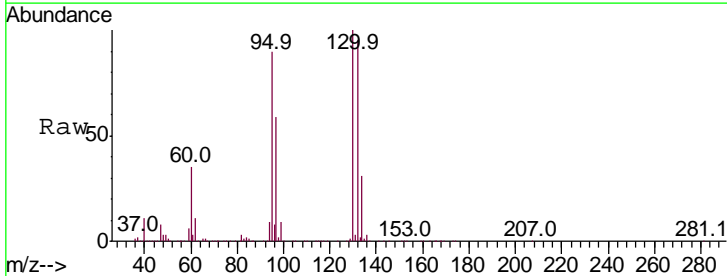
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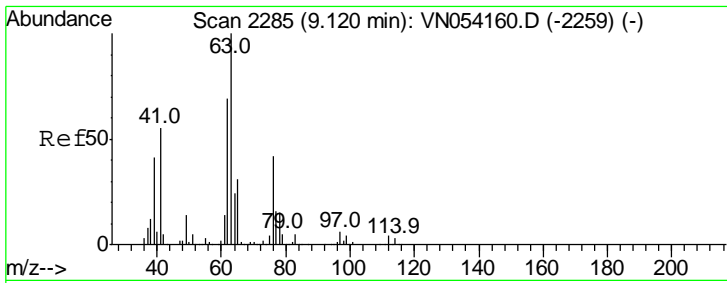
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#44  
 Trichloroethene  
 Concen: 49.984 ug/l  
 RT: 8.83 min Scan# 2196  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
130	100		
95	90.0	0.0	185.2





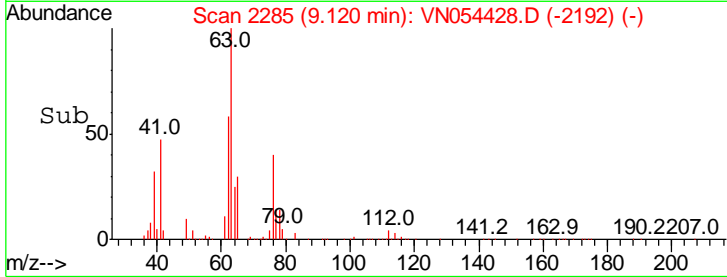
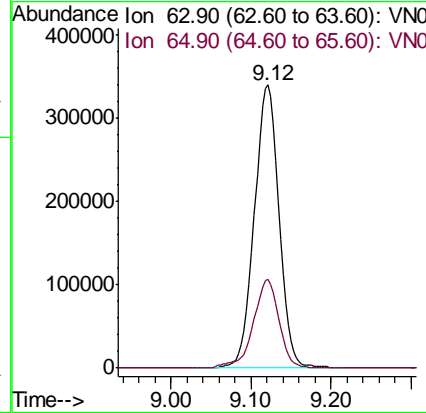
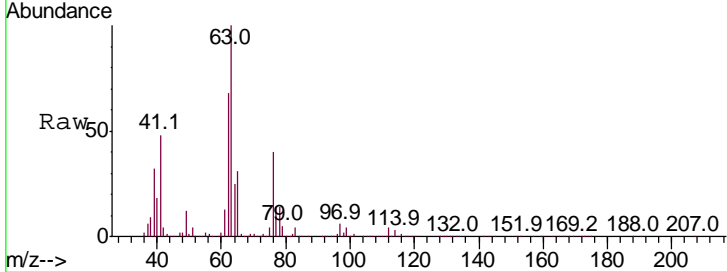
#45  
 1,2-Dichloropropane  
 Concen: 53.946 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument : MSVOA\_N  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.1	25.0	37.6

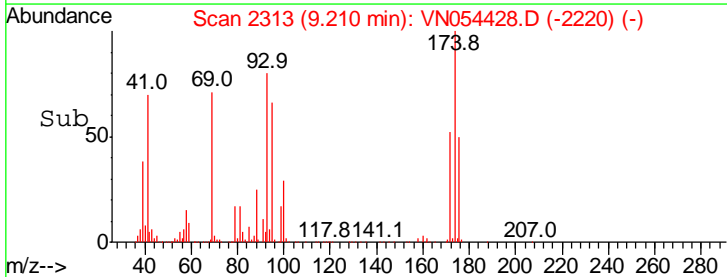
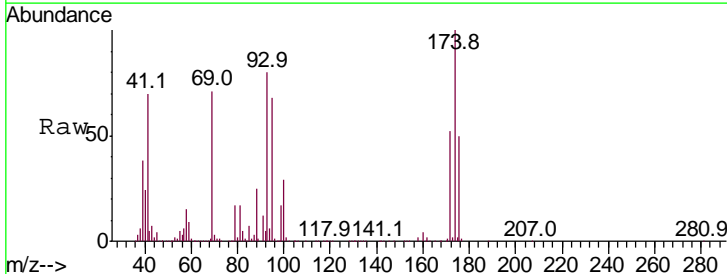
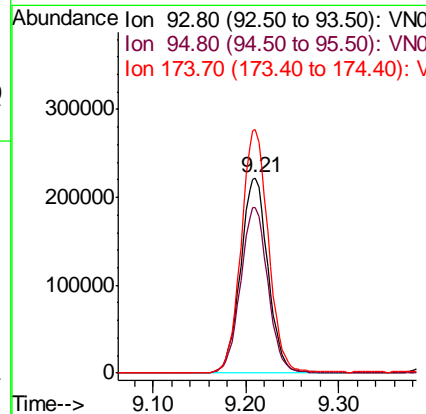
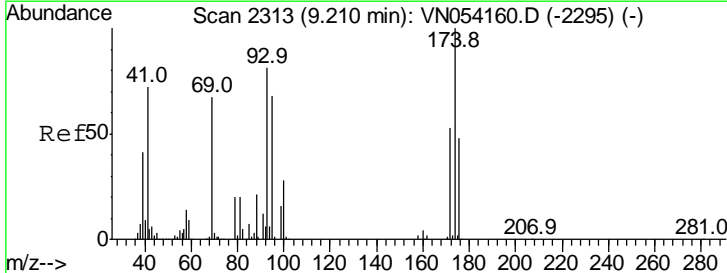
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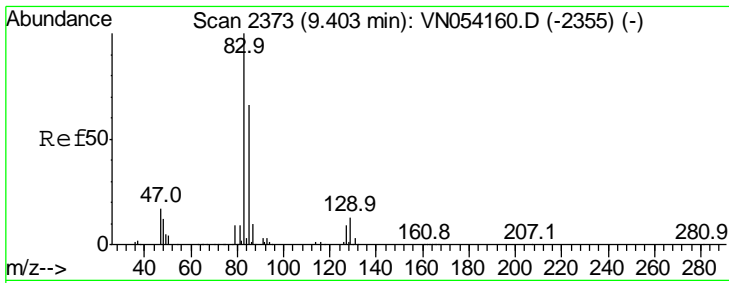
MMDadoda  
 3/19/2019 9:23:15 AM



#46  
 Dibromomethane  
 Concen: 50.796 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
93	100		
95	84.2	66.7	100.1
174	123.5	98.5	147.7





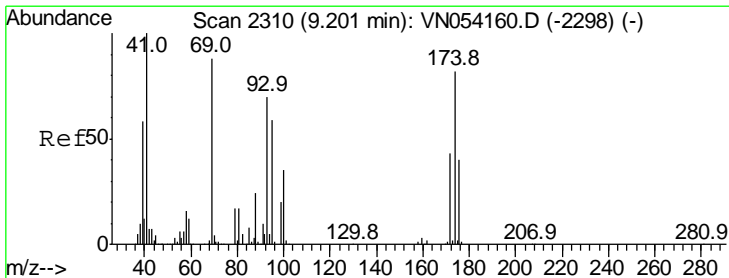
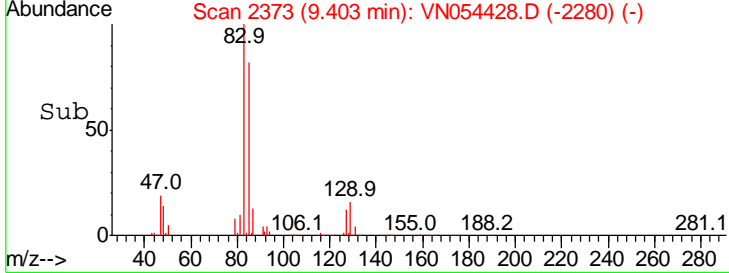
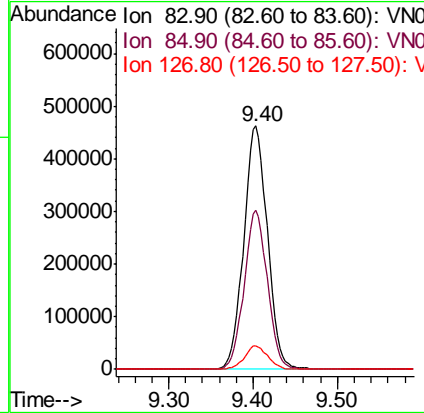
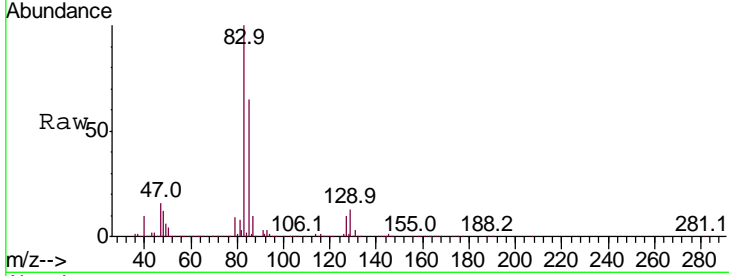
#47  
 Bromodichloromethane  
 Concen: 50.374 ug/l  
 RT: 9.40 min Scan# 2373  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.3	52.8	79.2
127	9.8	7.4	11.2

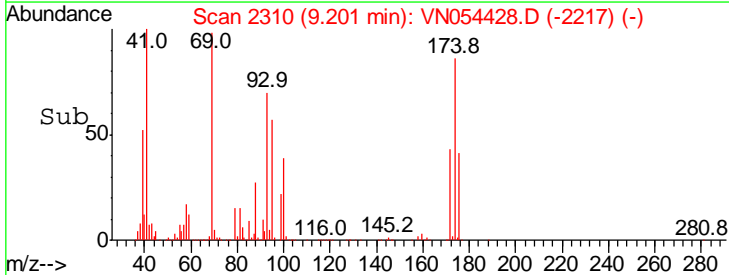
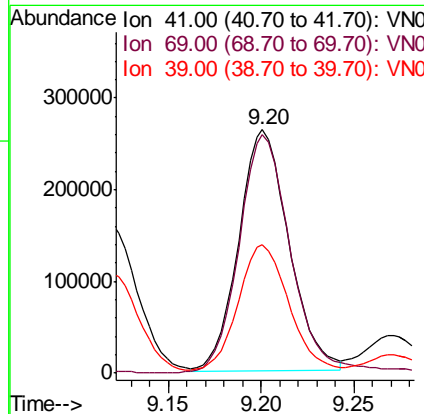
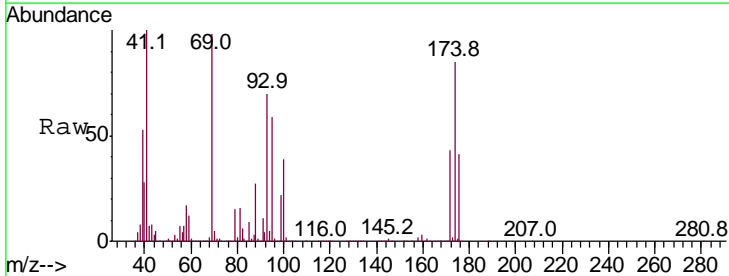
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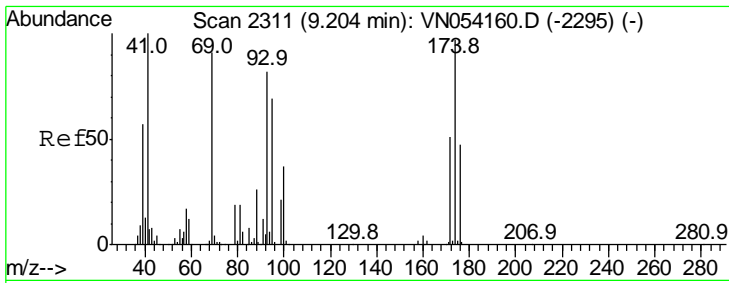
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#48  
 Methyl methacrylate  
 Concen: 52.400 ug/l  
 RT: 9.20 min Scan# 2310  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
41	100		
69	101.8	72.6	108.8
39	53.7	47.5	71.3





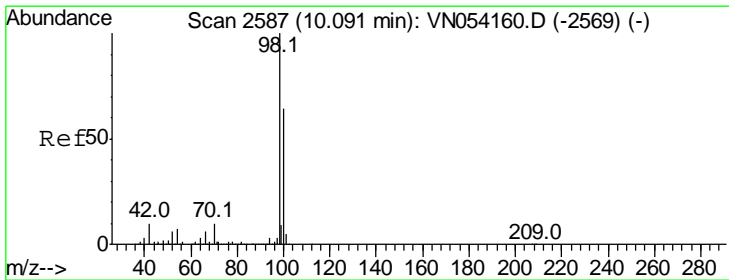
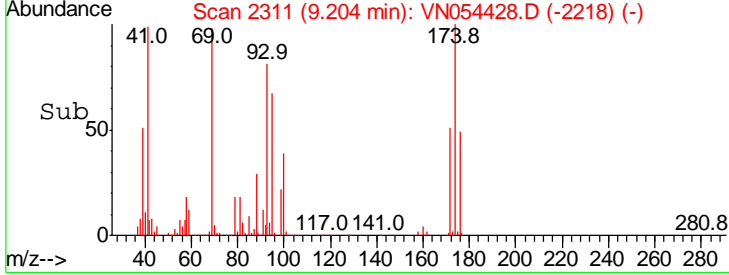
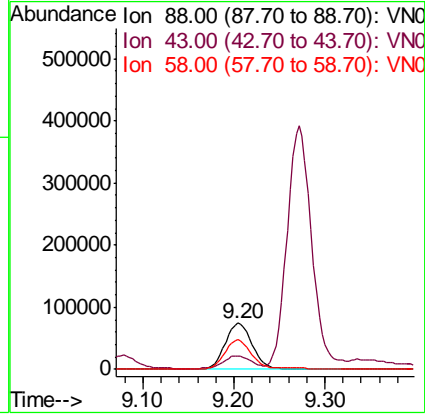
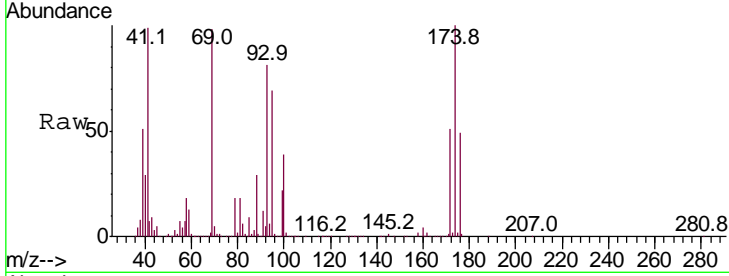
#49  
 1,4-Dioxane  
 Concen: 1152.611 ug/l  
 RT: 9.20 min Scan# 2311  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 VSTDCCC050EC

Tgt Ion: 88 Resp: 155135

Ion	Ratio	Lower	Upper
88	100		
43	27.7	24.1	36.1
58	62.4	50.8	76.2

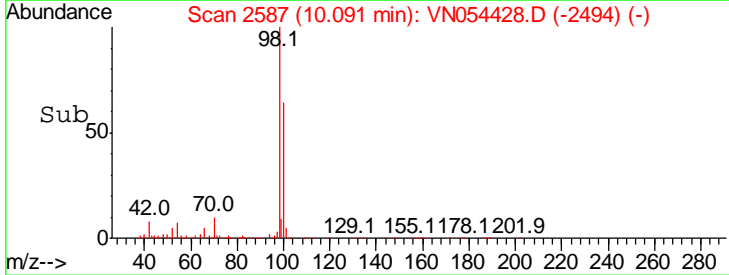
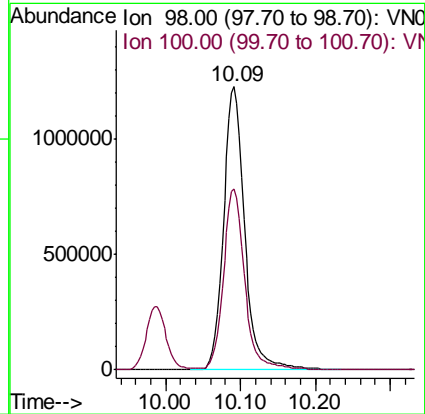
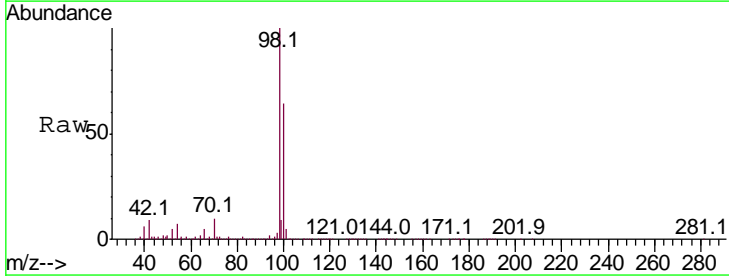
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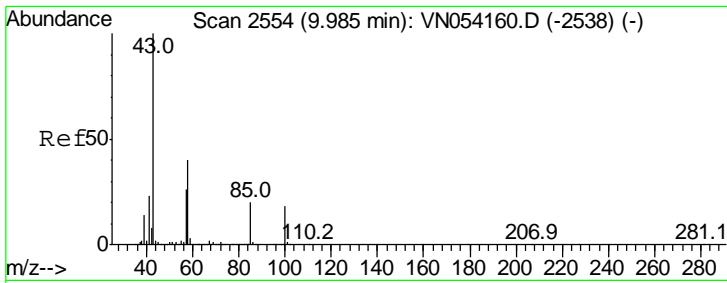


#50  
 Toluene-d8  
 Concen: 49.729 ug/l  
 RT: 10.09 min Scan# 2587  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion: 98 Resp: 2391227

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.2	76.8





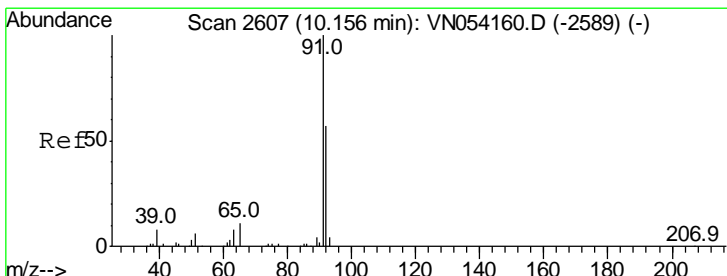
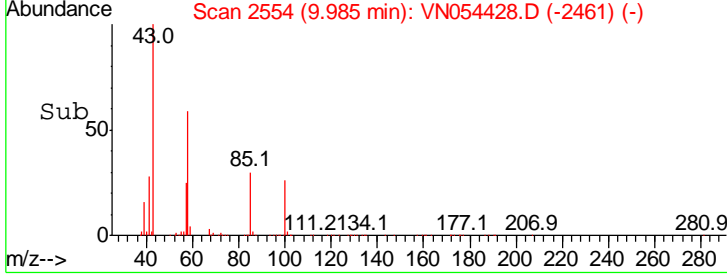
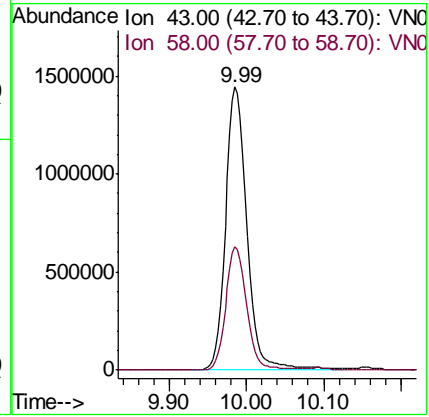
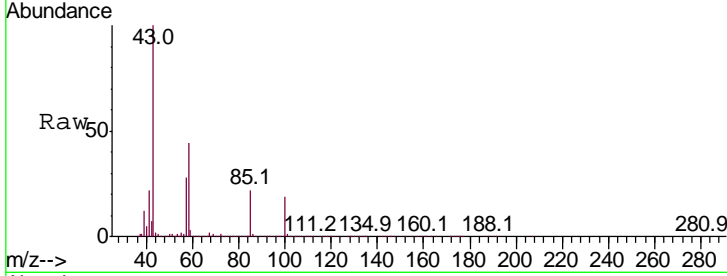
#51  
 4-Methyl-2-Pentanone  
 Concen: 278.134 ug/l  
 RT: 9.99 min Scan# 2554  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 2759842

Ion	Ratio	Lower	Upper
43	100		
58	43.2	31.8	47.6

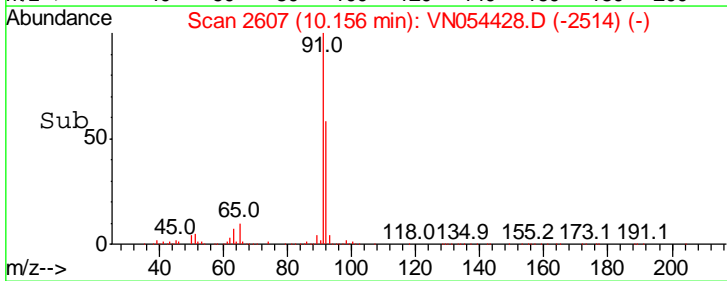
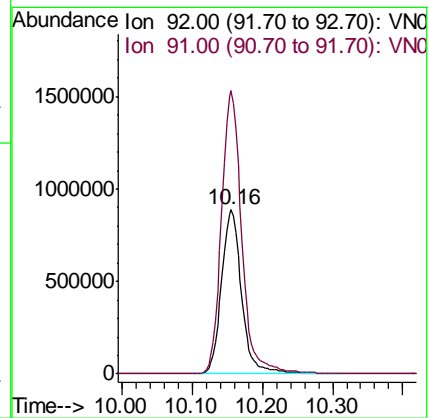
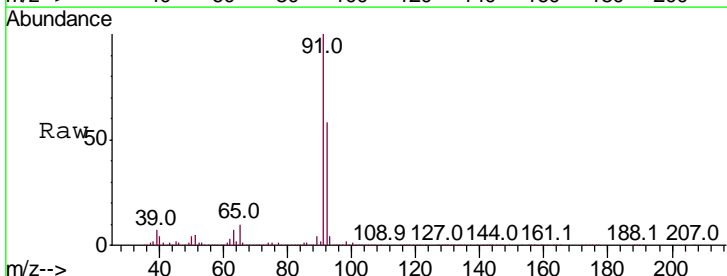
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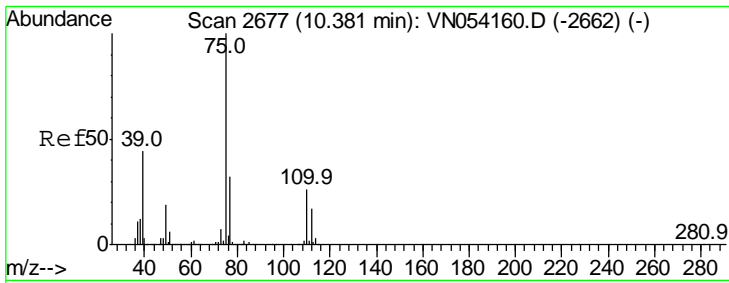


#52  
 Toluene  
 Concen: 52.128 ug/l  
 RT: 10.16 min Scan# 2607  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion: 92 Resp: 1758407

Ion	Ratio	Lower	Upper
92	100		
91	174.2	140.7	211.1





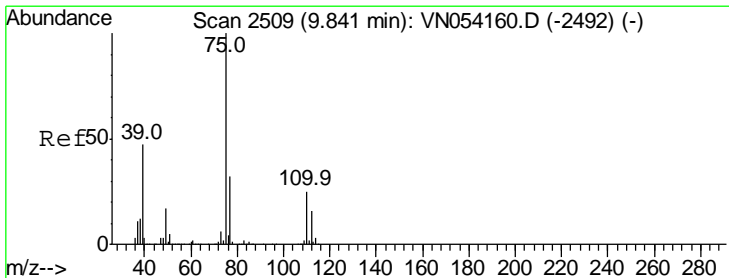
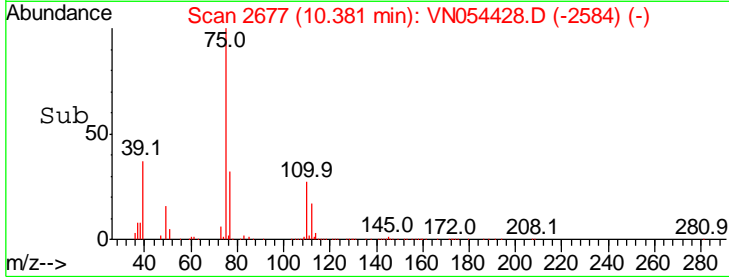
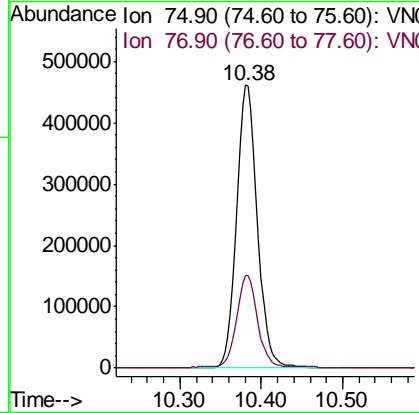
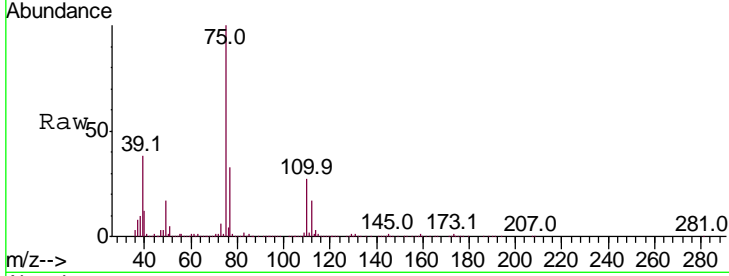
#53  
 t-1,3-Dichloropropene  
 Concen: 40.731 ug/l  
 RT: 10.38 min Scan# 2677  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument : MSVOA\_N  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
75	100		
77	32.3	25.8	38.8

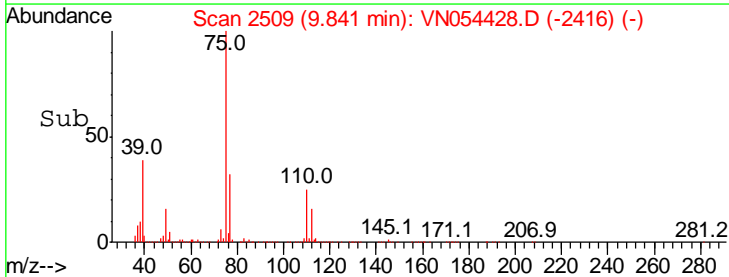
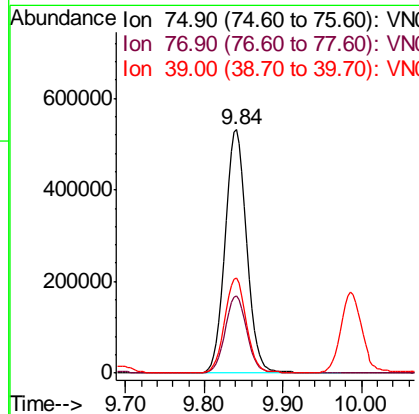
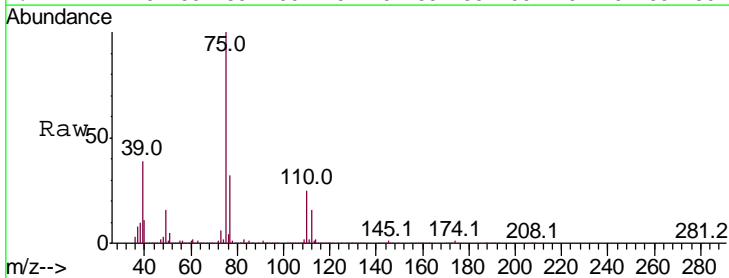
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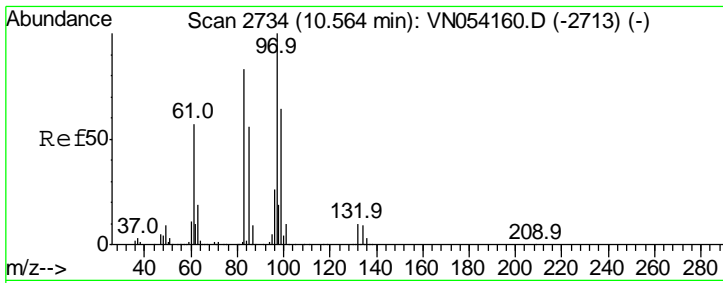
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#54  
 cis-1,3-Dichloropropene  
 Concen: 48.157 ug/l  
 RT: 9.84 min Scan# 2509  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
75	100		
77	31.6	25.4	38.0
39	38.8	37.2	55.8





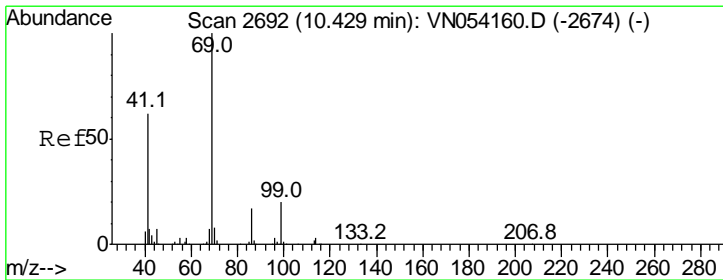
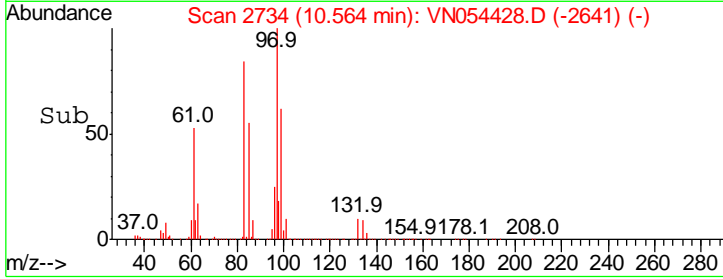
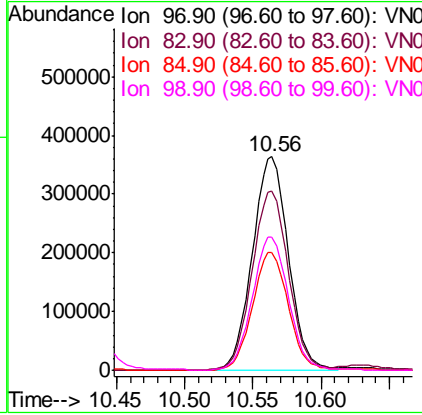
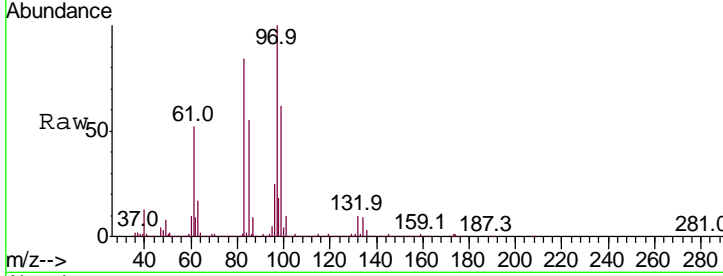
#55  
 1,1,2-Trichloroethane  
 Concen: 53.892 ug/l  
 RT: 10.56 min Scan# 2734  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument : MSVOA\_N  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
97	100		
83	83.7	66.6	100.0
85	55.0	44.4	66.6
99	62.0	50.8	76.2

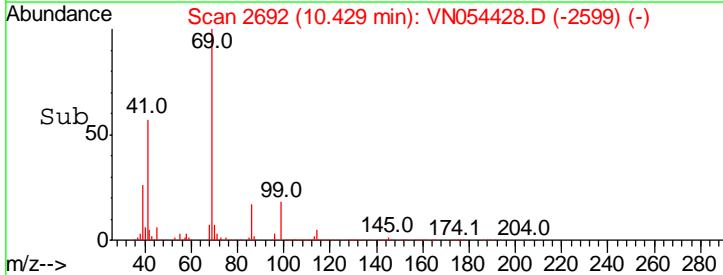
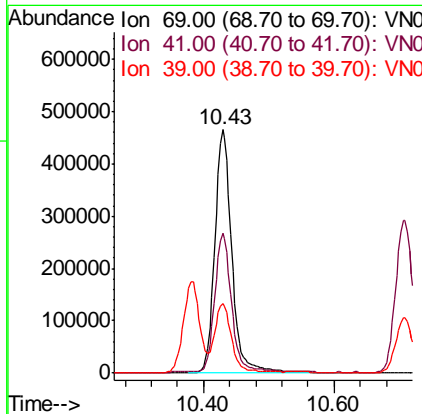
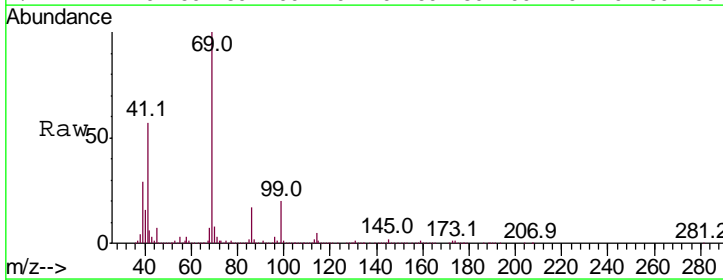
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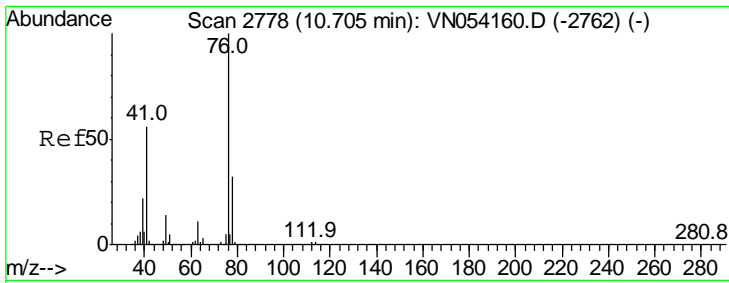


#56  
 Ethyl methacrylate  
 Concen: 57.241 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
69	100		
41	56.0	49.4	74.2
39	28.2	28.3	42.5#







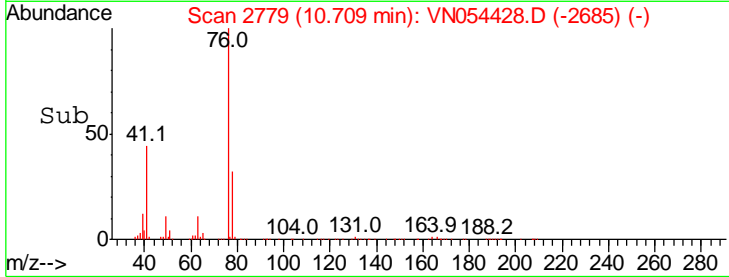
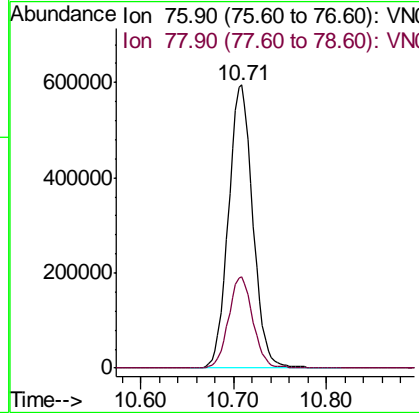
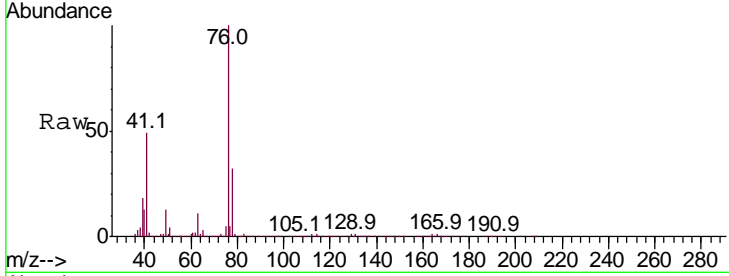
#57  
 1,3-Dichloropropane  
 Concen: 53.835 ug/l  
 RT: 10.71 min Scan# 2779  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument : MSVOA\_N  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
76	100		
78	32.3	25.7	38.5

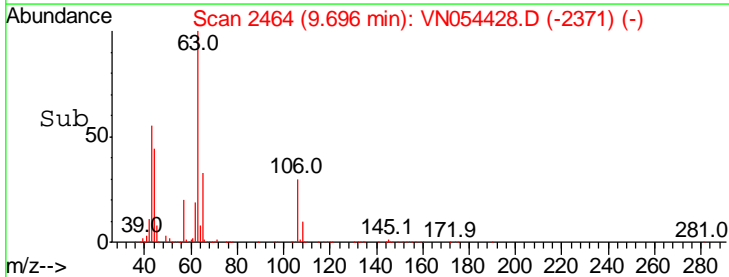
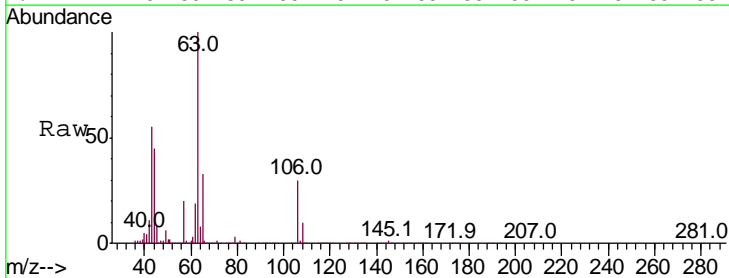
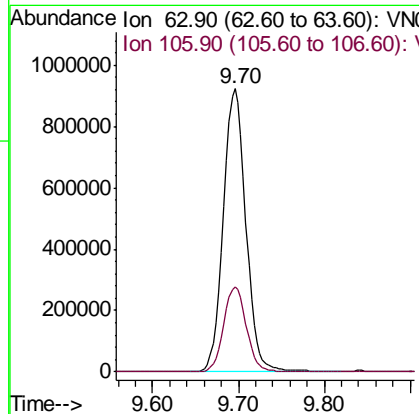
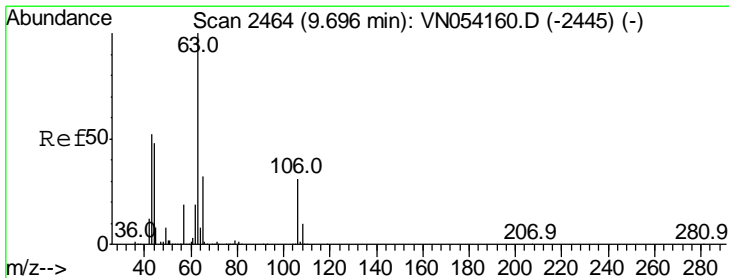
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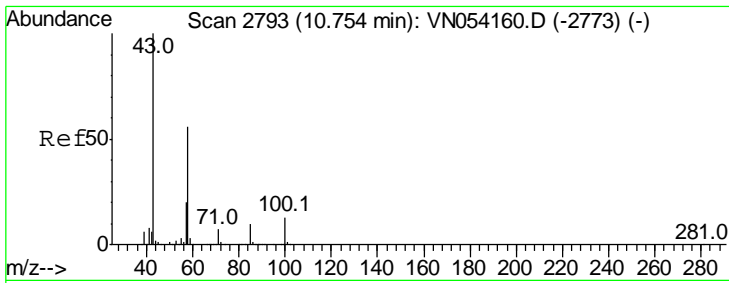
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 263.642 ug/l  
 RT: 9.70 min Scan# 2464  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
63	100		
106	30.2	24.4	36.6





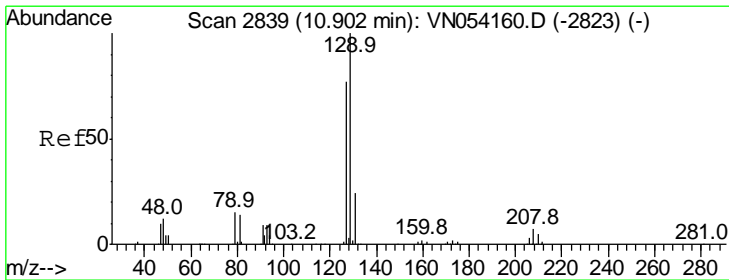
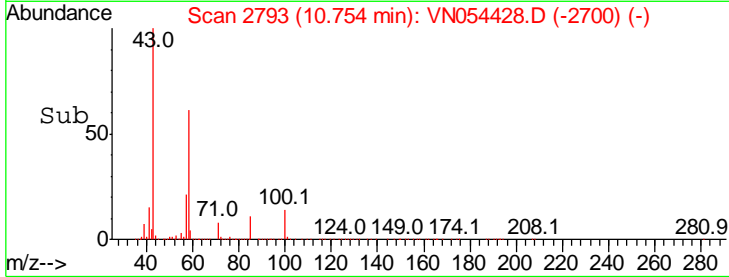
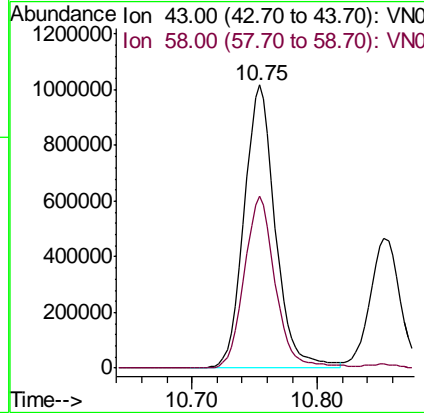
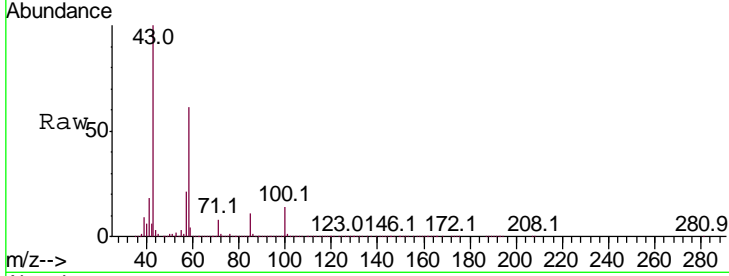
#59  
 2-Hexanone  
 Concen: 265.514 ug/l  
 RT: 10.75 min Scan# 2793  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument : MSVOA\_N  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
43	100		
58	60.8	28.0	83.9

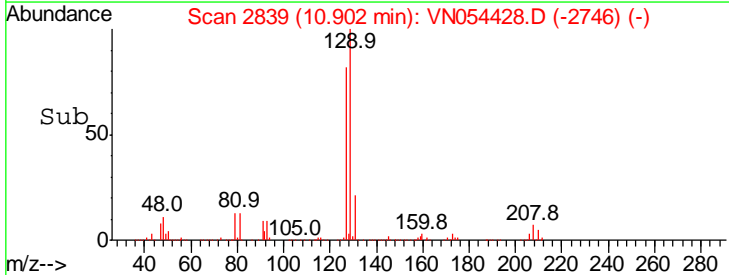
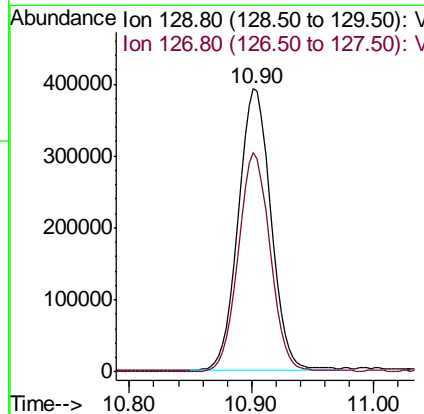
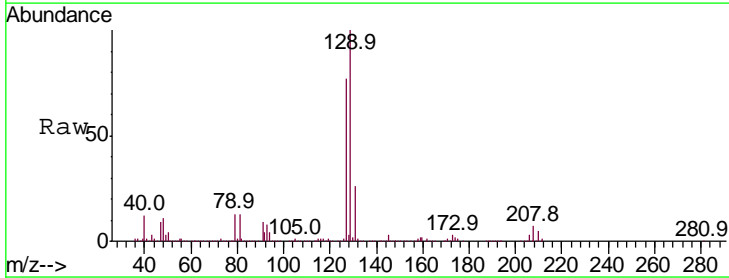
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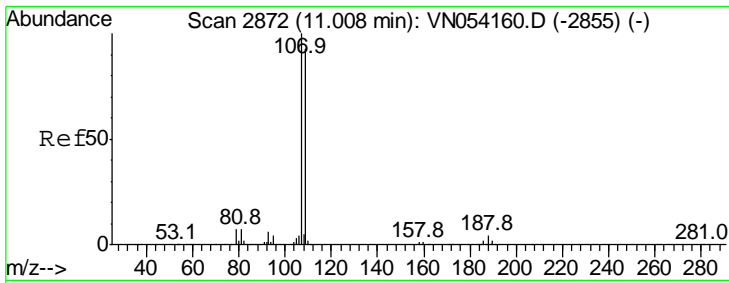
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#60  
 Dibromochloromethane  
 Concen: 51.847 ug/l  
 RT: 10.90 min Scan# 2839  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
129	100		
127	76.1	38.6	115.8





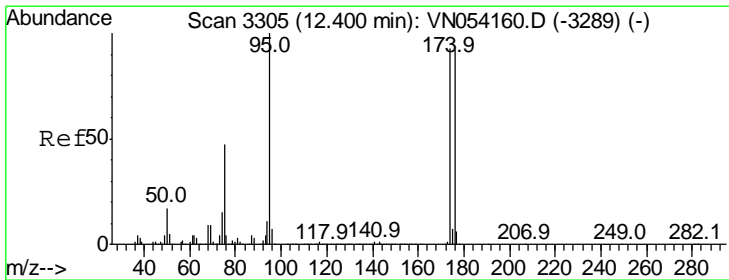
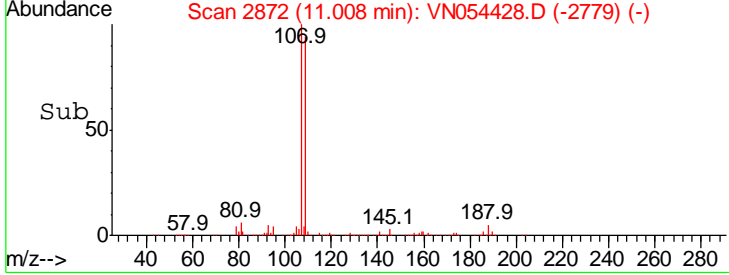
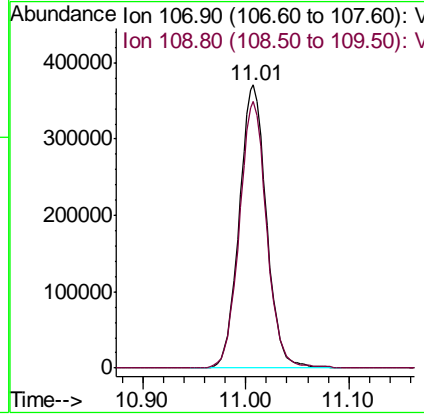
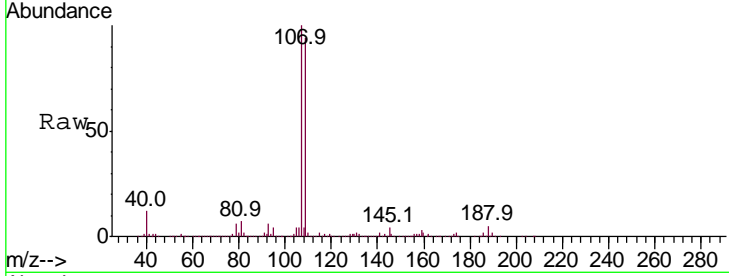
#61  
 1,2-Dibromoethane  
 Concen: 54.133 ug/l  
 RT: 11.01 min Scan# 2872  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.9	113.9

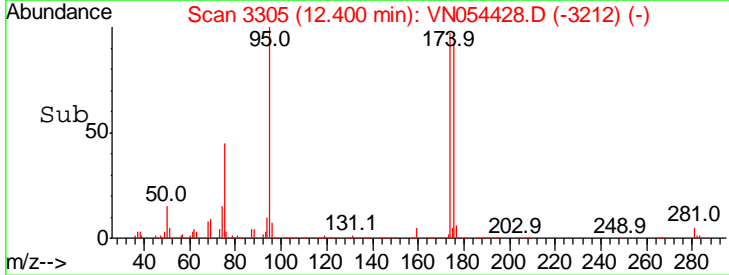
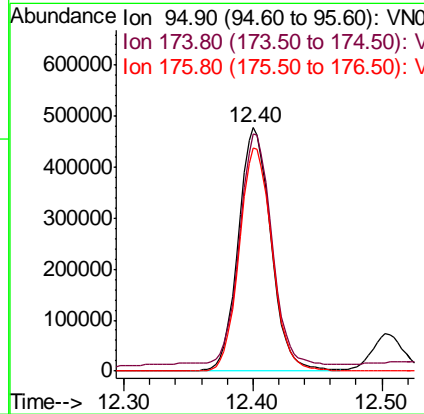
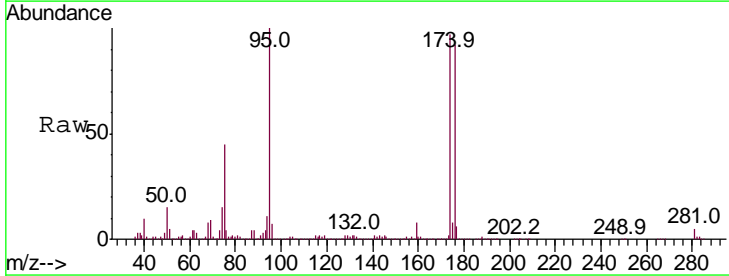
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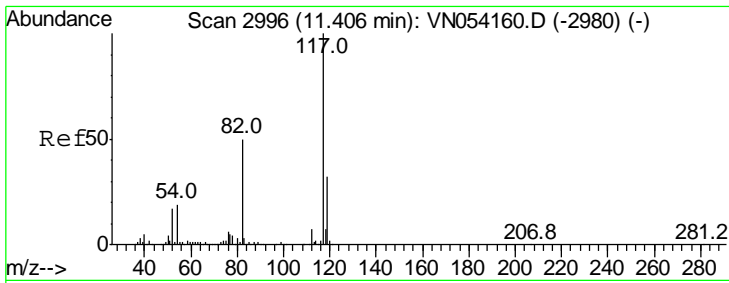
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#62  
 4-Bromofluorobenzene  
 Concen: 49.415 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	100.0	0.0	191.0
176	93.2	0.0	187.4





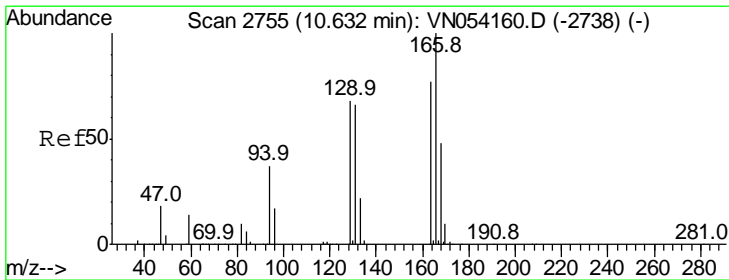
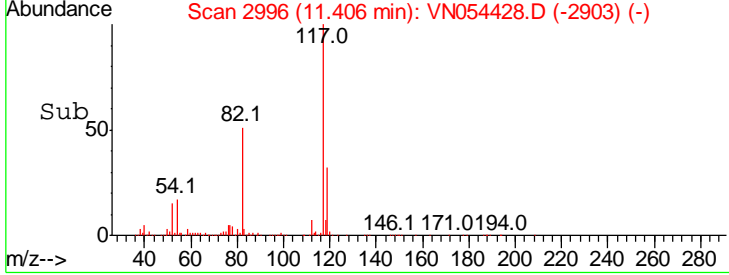
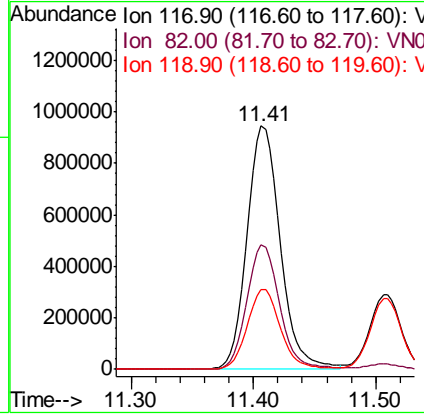
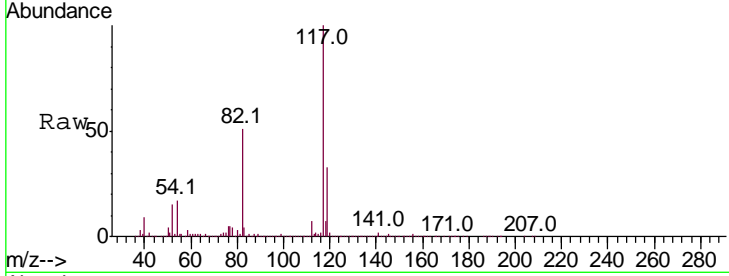
#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.41 min Scan# 2996  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
117	100		
82	51.1	40.0	60.0
119	32.5	25.8	38.6

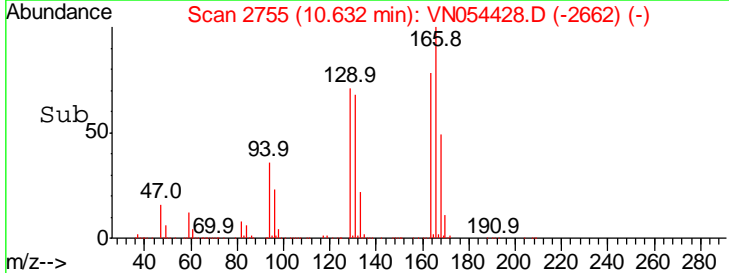
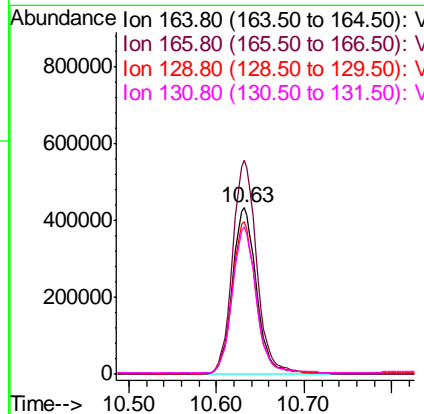
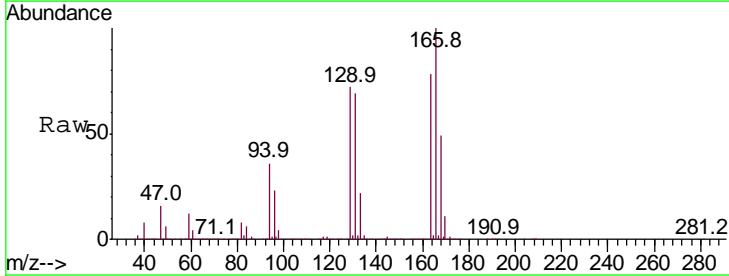
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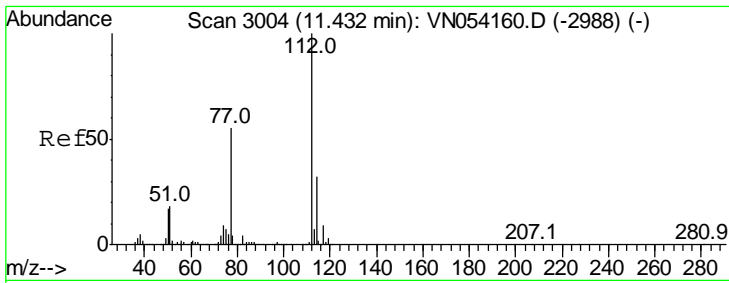
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#64  
 Tetrachloroethene  
 Concen: 48.924 ug/l  
 RT: 10.63 min Scan# 2755  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
164	100		
166	128.6	103.9	155.9
129	91.7	71.1	106.7
131	87.6	68.2	102.4





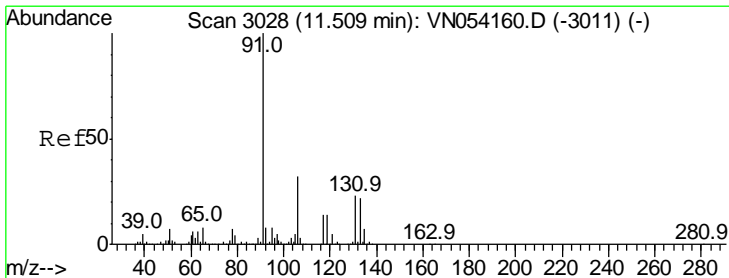
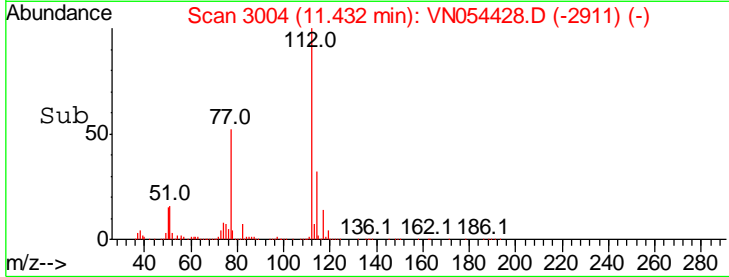
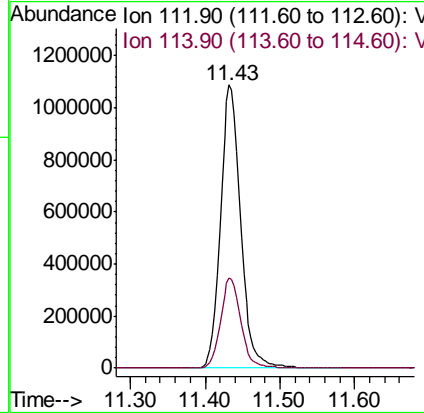
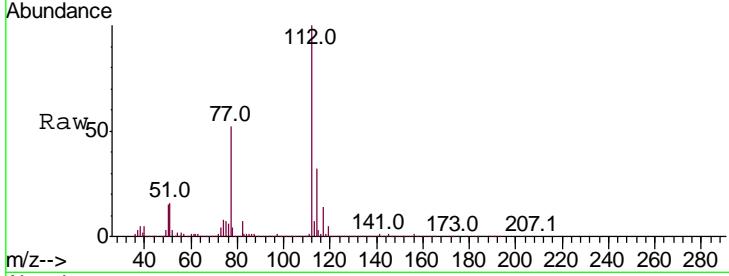
#65  
 Chlorobenzene  
 Concen: 52.551 ug/l  
 RT: 11.43 min Scan# 3004  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument : MSVOA\_N  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
112	100		
114	31.9	25.9	38.9

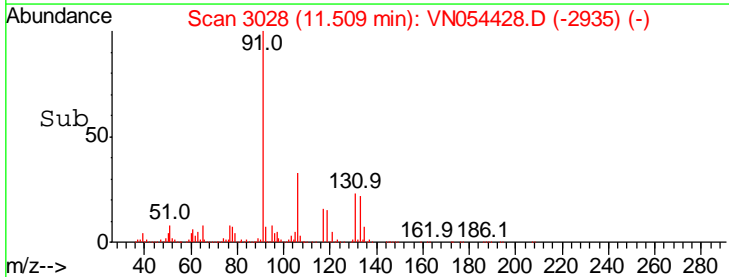
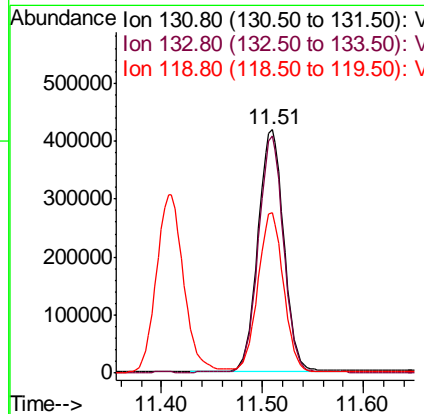
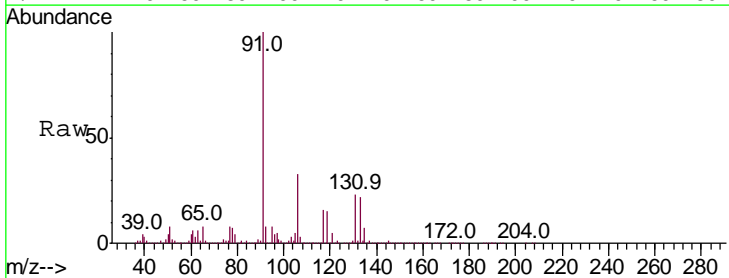
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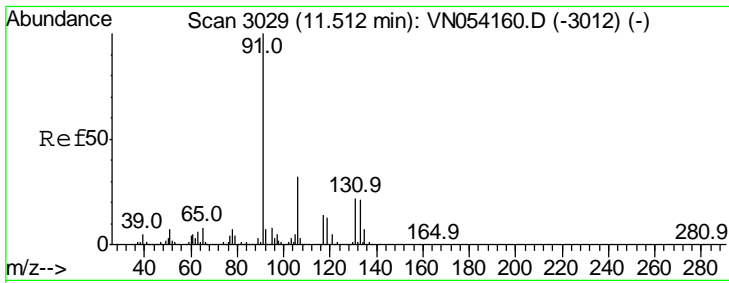
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#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 52.712 ug/l  
 RT: 11.51 min Scan# 3028  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
131	100		
133	94.4	47.6	142.9
119	64.7	32.4	97.0





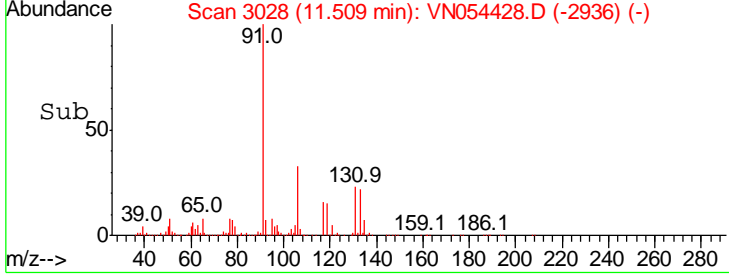
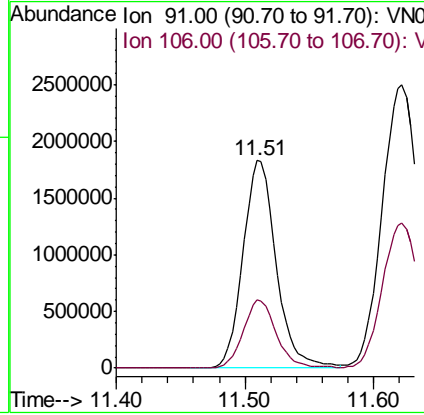
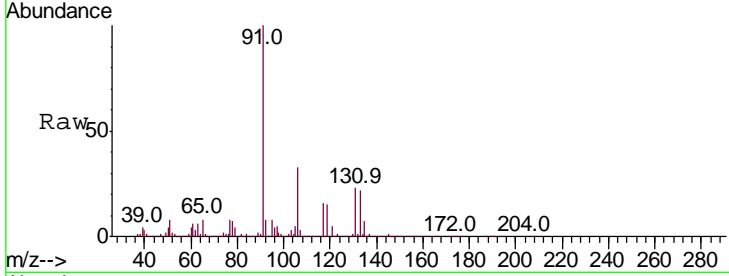
#67  
 Ethyl Benzene  
 Concen: 51.209 ug/l  
 RT: 11.51 min Scan# 3028  
 Delta R.T. -0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDC050EC

Tgt Ion: 91 Resp: 3271558

Ion	Ratio	Lower	Upper
91	100		
106	32.9	25.5	38.3

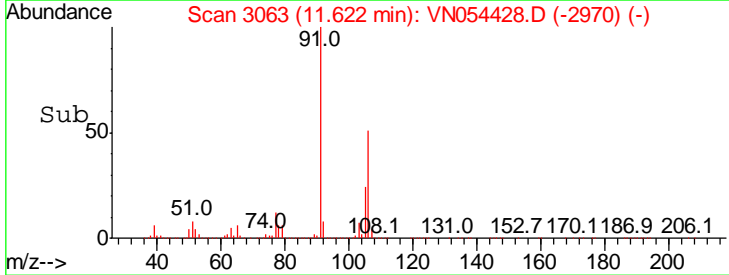
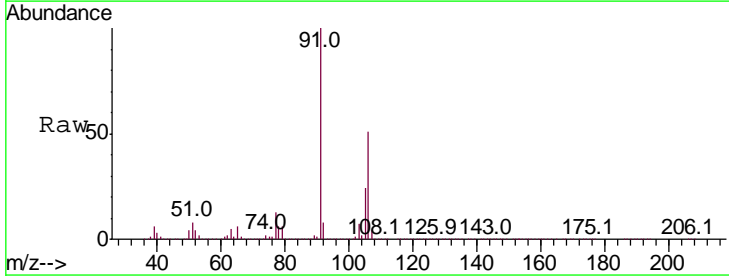
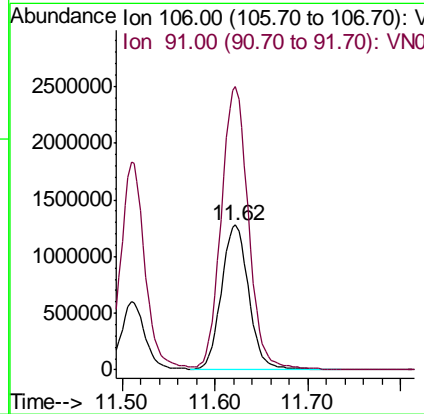
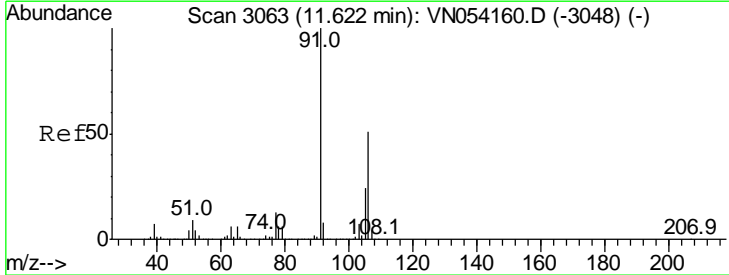
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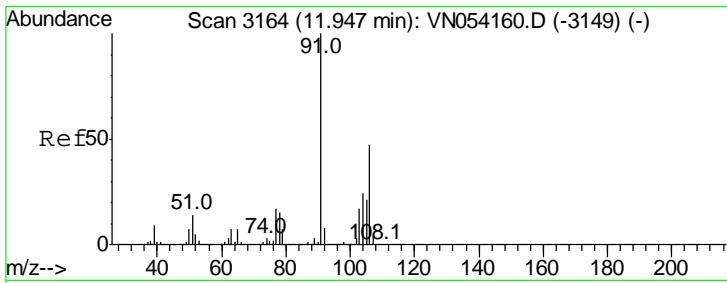


#68  
 m/p-Xylenes  
 Concen: 103.993 ug/l  
 RT: 11.62 min Scan# 3063  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion: 106 Resp: 2596705

Ion	Ratio	Lower	Upper
106	100		
91	195.7	159.4	239.2





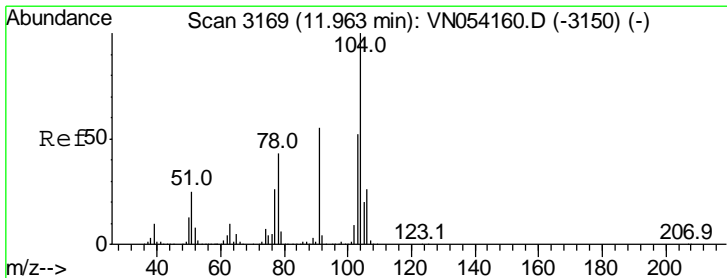
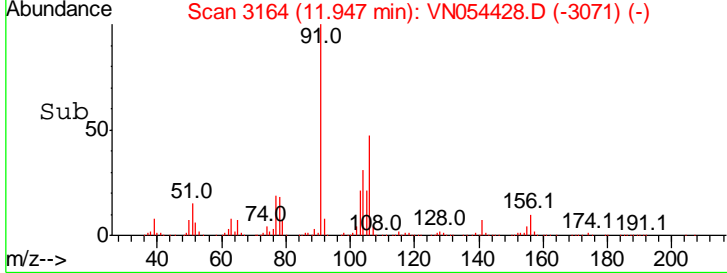
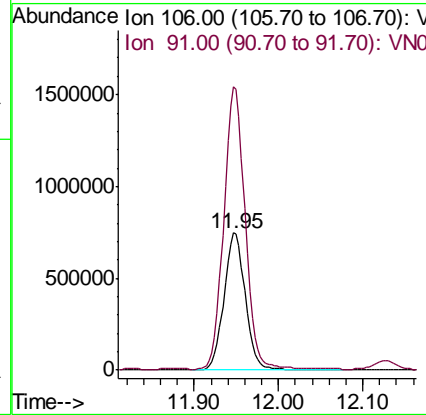
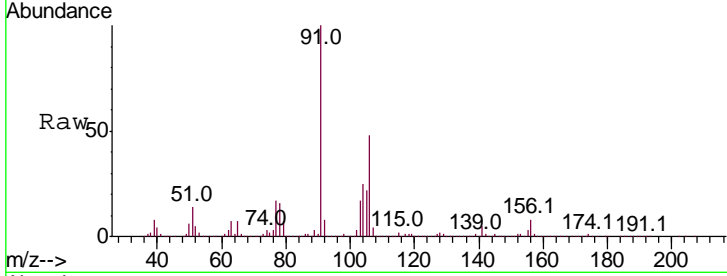
#69  
 o-Xylene  
 Concen: 53.578 ug/l  
 RT: 11.95 min Scan# 3164  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion:106 Resp: 1304159

Ion	Ratio	Lower	Upper
106	100		
91	206.1	105.7	317.1

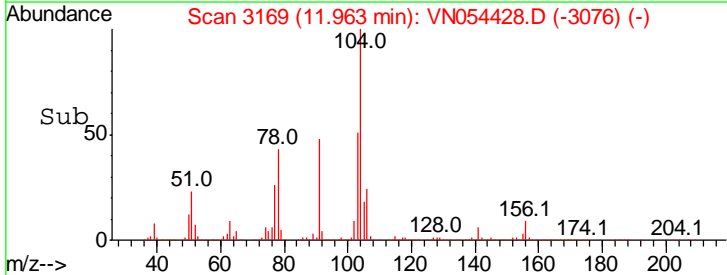
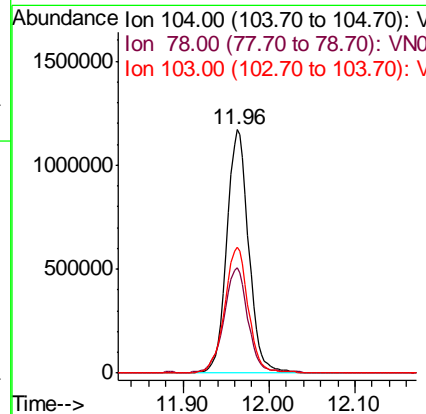
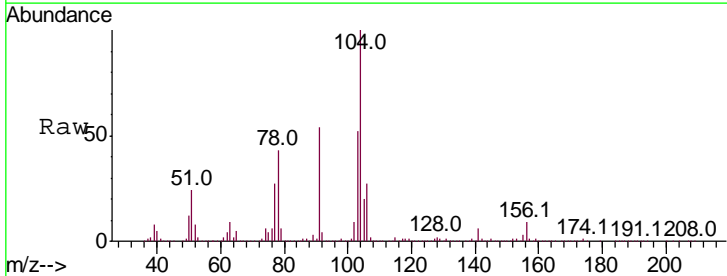
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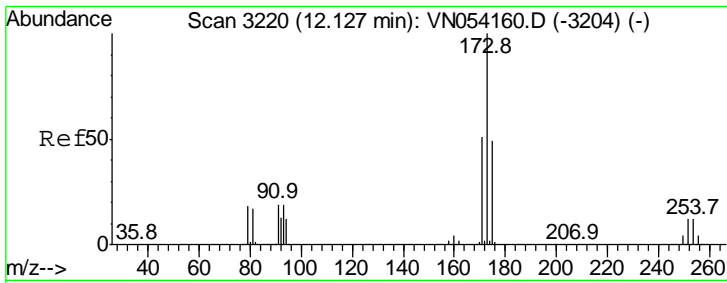


#70  
 Styrene  
 Concen: 54.083 ug/l  
 RT: 11.96 min Scan# 3169  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion:104 Resp: 2064645

Ion	Ratio	Lower	Upper
104	100		
78	47.3	38.2	57.2
103	55.6	44.4	66.6





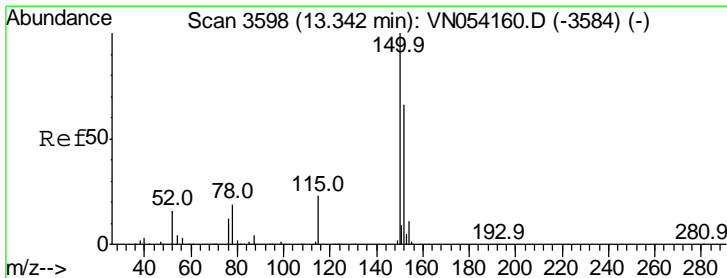
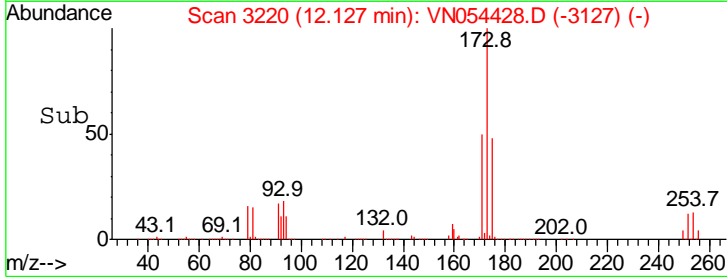
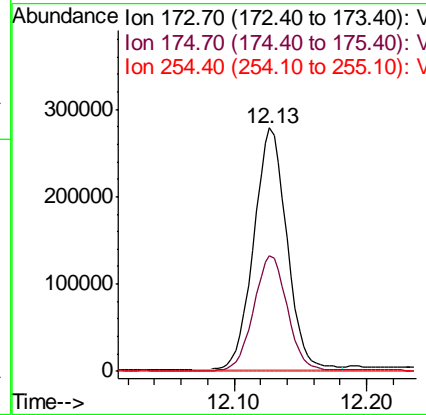
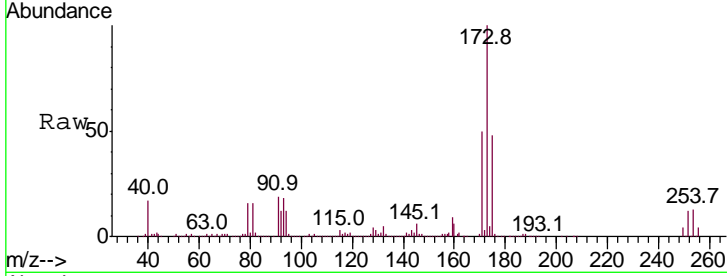
#71  
 Bromoform  
 Concen: 45.263 ug/l  
 RT: 12.13 min Scan# 3220  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
173	100		
175	47.7	24.4	73.2
254	0.1	0.1	0.1

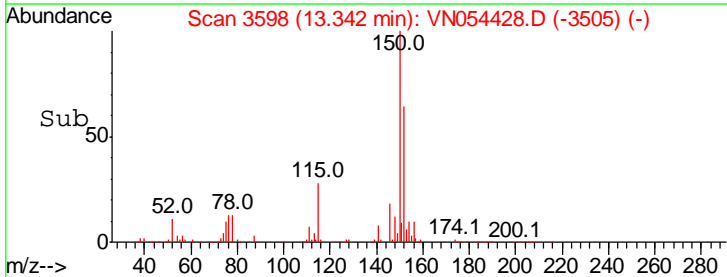
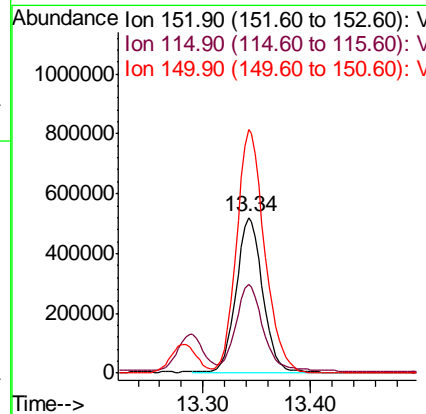
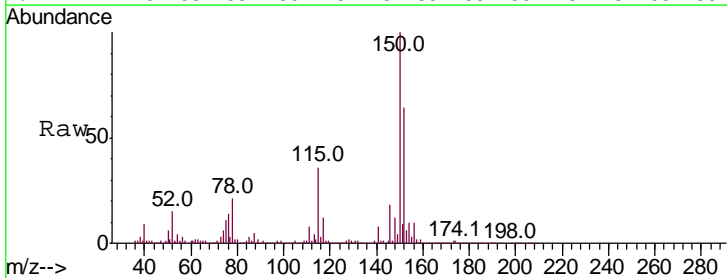
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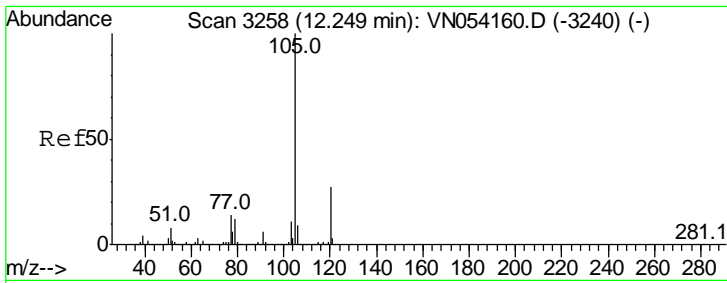


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.34 min Scan# 3598  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
152	100		
115	58.7	27.2	81.6
150	166.1	0.0	349.2







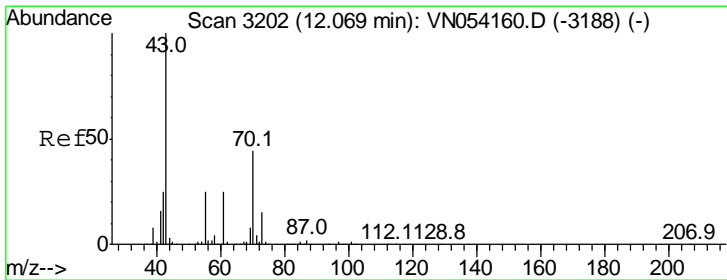
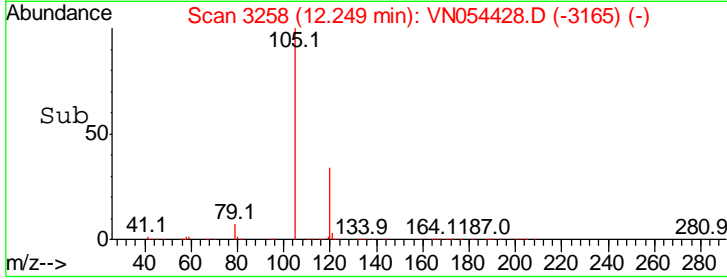
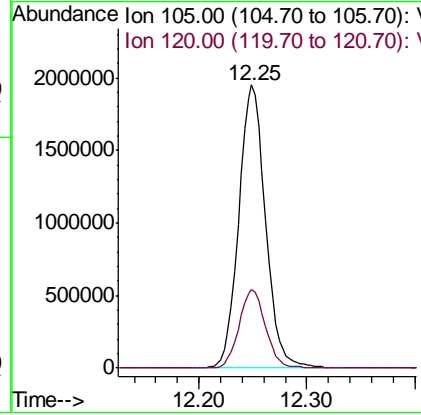
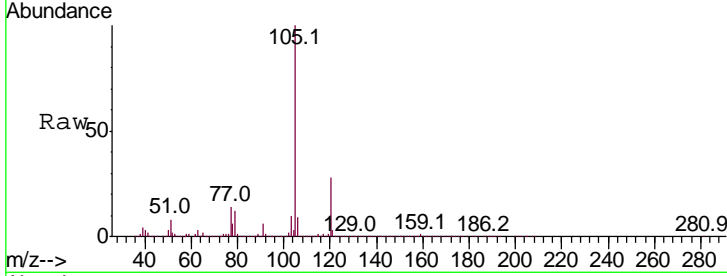
#73  
 Isopropylbenzene  
 Concen: 47.132 ug/l  
 RT: 12.25 min Scan# 3258  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument : MSVOA\_N  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
105	100		
120	27.6	13.8	41.3

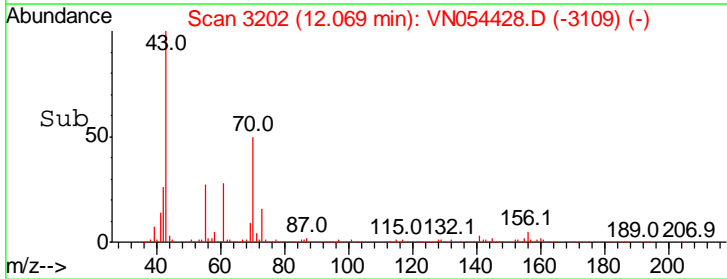
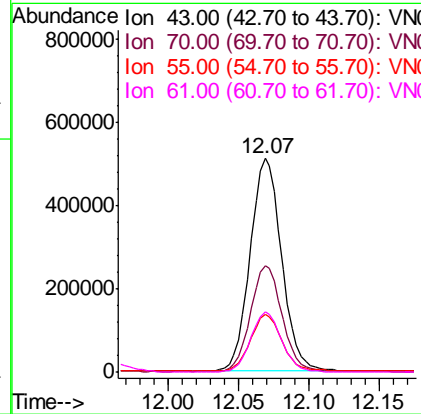
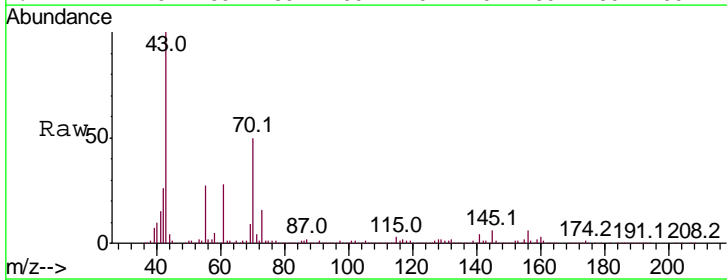
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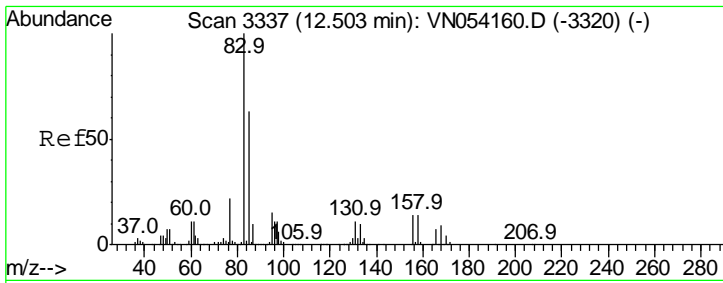
MMDadoda  
 3/19/2019 9:23:15 AM



#74  
 N-amyl acetate  
 Concen: 50.901 ug/l  
 RT: 12.07 min Scan# 3202  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
43	100		
70	50.8	35.4	53.0
55	27.1	19.8	29.6
61	27.4	19.8	29.6



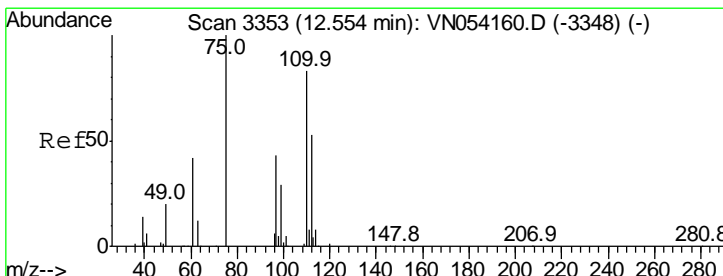
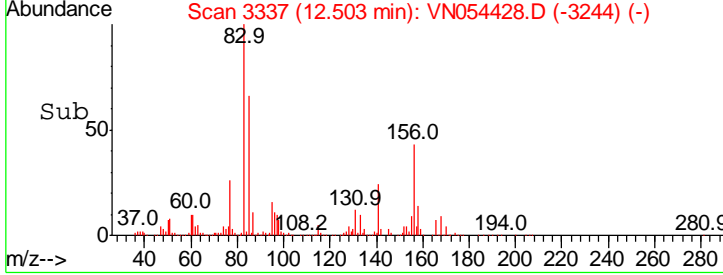
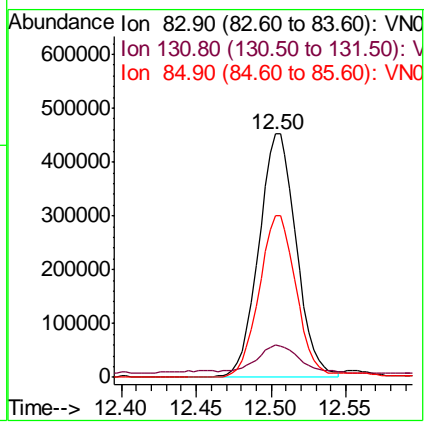
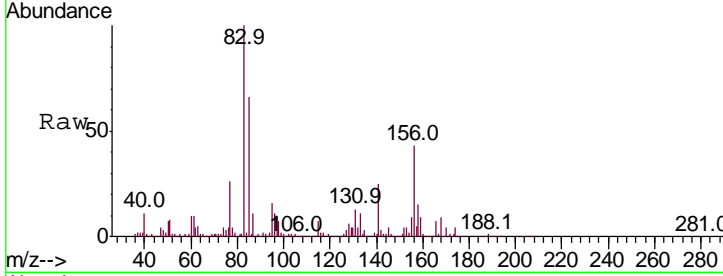


#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 51.555 ug/l  
 RT: 12.50 min Scan# 3337  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

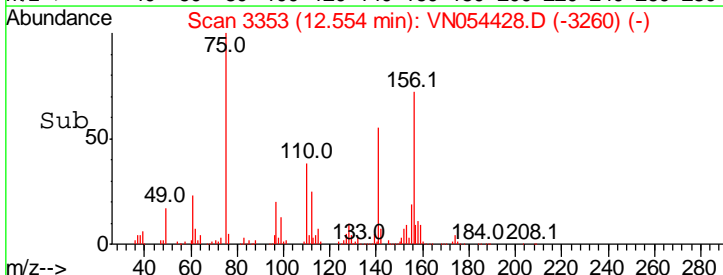
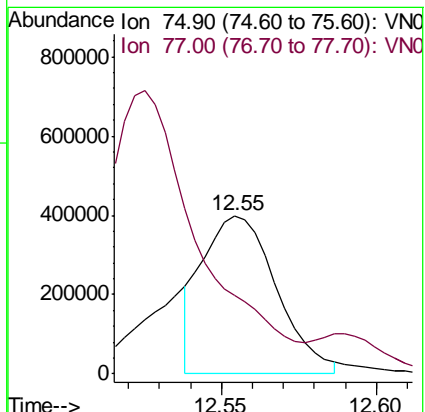
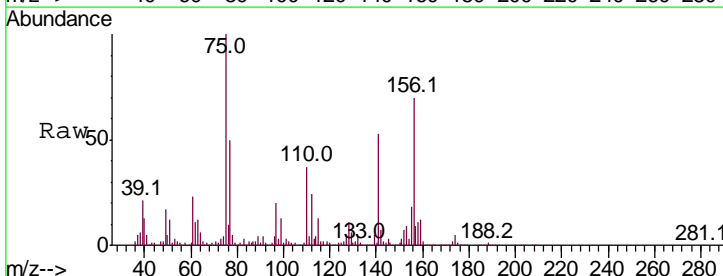
Tgt Ion	Resp	Lower	Upper
83	100		
131	13.2	5.8	17.4
85	65.8	32.2	96.6

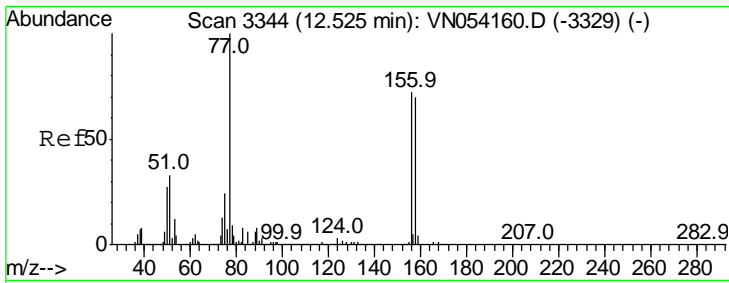
Manual Integrations  
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#76  
 1,2,3-Trichloropropane  
 Concen: 50.799 ug/l m  
 RT: 12.55 min Scan# 3353  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0





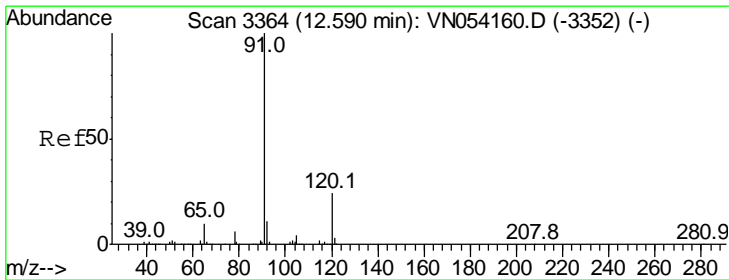
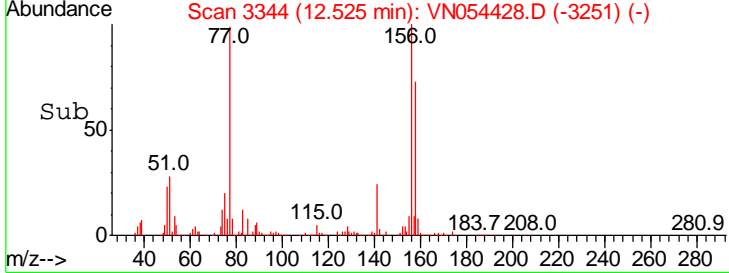
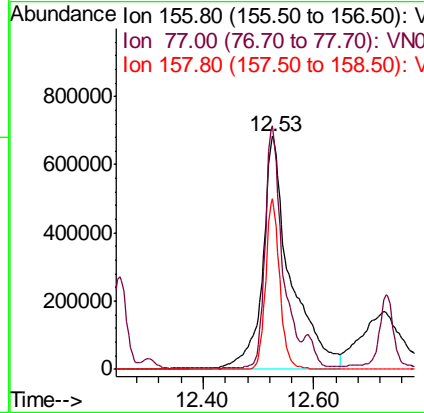
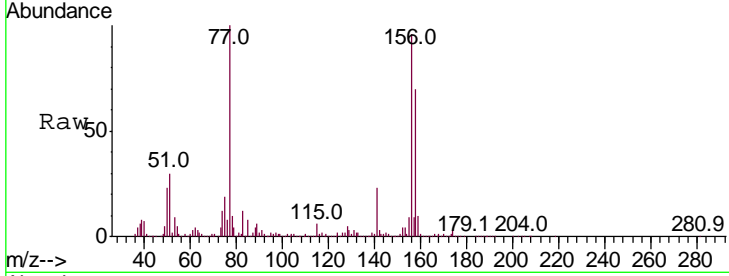
#77  
 Bromobenzene  
 Concen: 127.774 ug/l  
 RT: 12.53 min Scan# 3344  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument : MSVOA\_N  
 Client Sampled : VSTDC050EC

Tgt Ion	Resp	Lower	Upper
156	100		
77	64.7	81.5	244.4#
158	36.9	49.0	147.2#

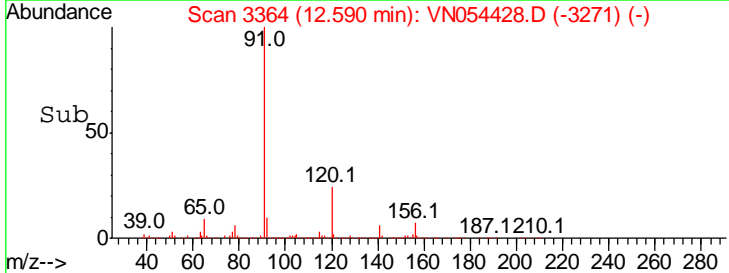
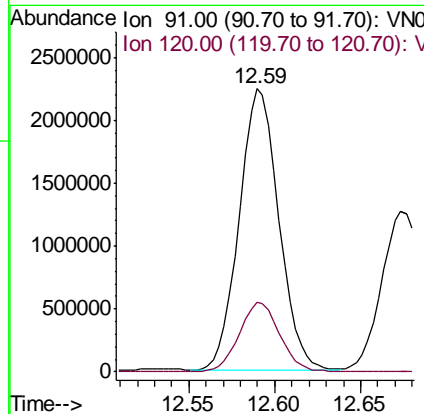
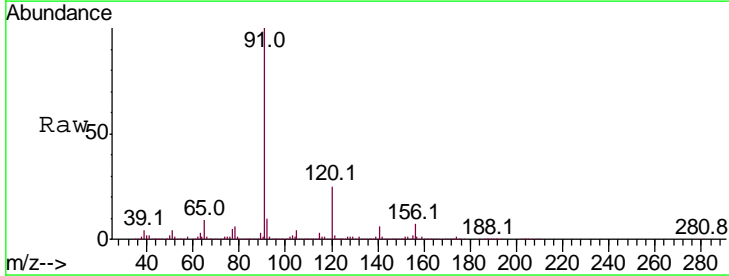
Manual Integrations  
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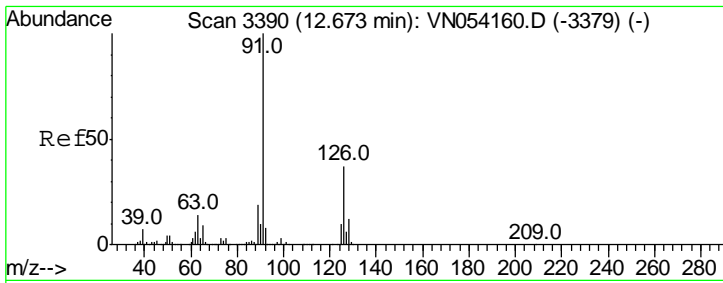
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#78  
 n-propylbenzene  
 Concen: 46.383 ug/l  
 RT: 12.59 min Scan# 3364  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
91	100		
120	25.2	12.3	36.9





#79  
 2-Chlorotoluene  
 Concen: 46.578 ug/l  
 RT: 12.67 min Scan# 3390  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

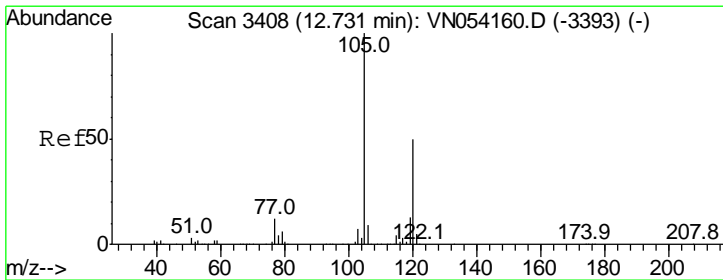
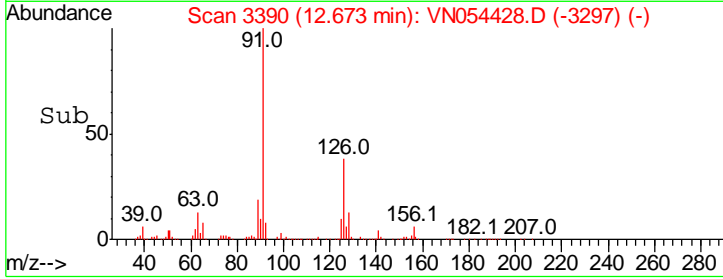
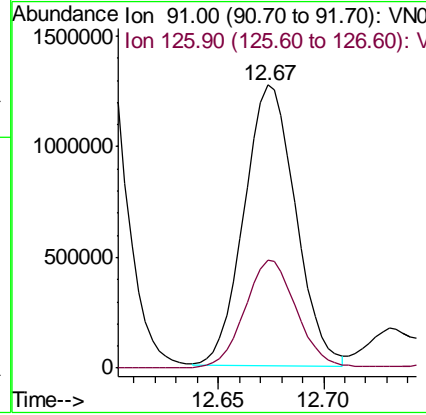
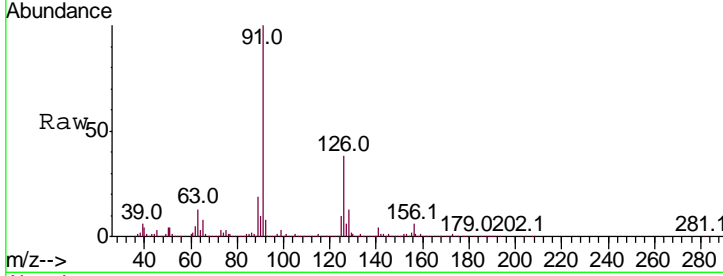
Instrument : MSVOA\_N  
 ClientSampled : VSTDCCC050EC

Tgt Ion: 91 Resp: 2155637

Ion	Ratio	Lower	Upper
91	100		
126	38.6	18.7	56.1

Manual Integrations  
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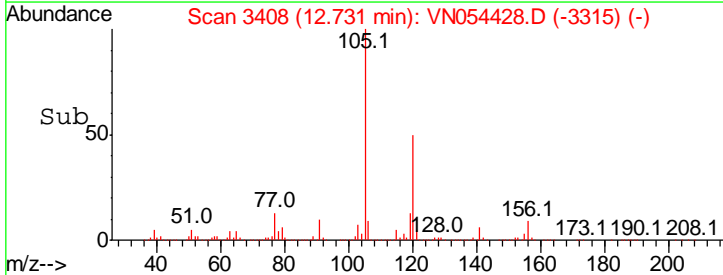
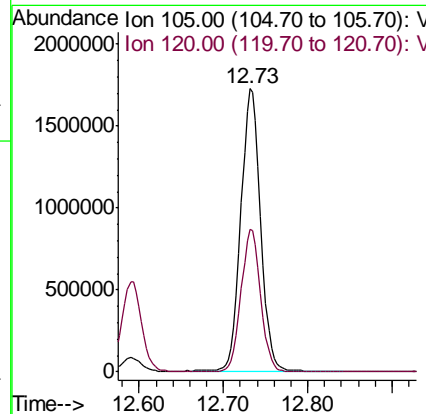
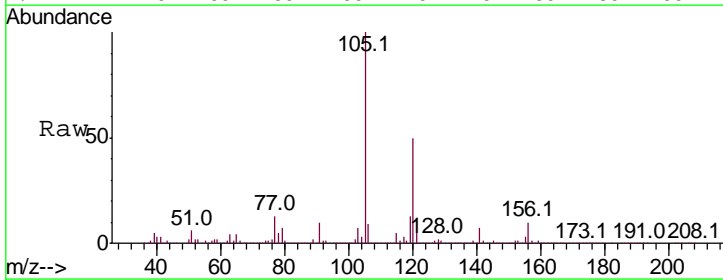
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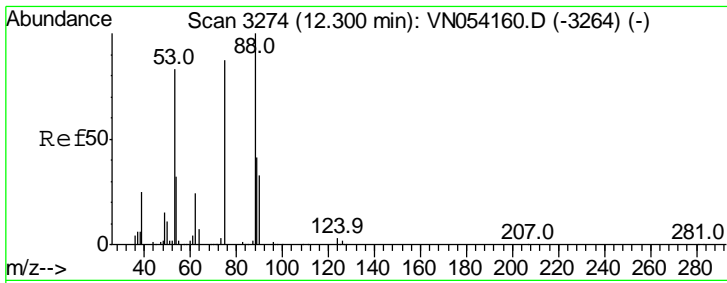


#80  
 1,3,5-Trimethylbenzene  
 Concen: 47.955 ug/l  
 RT: 12.73 min Scan# 3408  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion: 105 Resp: 2829545

Ion	Ratio	Lower	Upper
105	100		
120	49.2	25.0	75.0





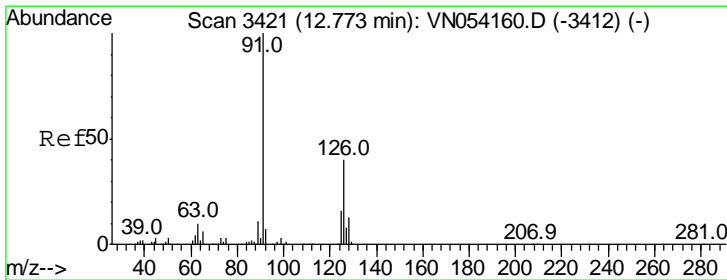
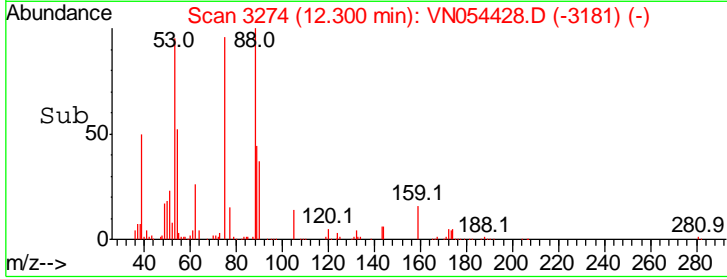
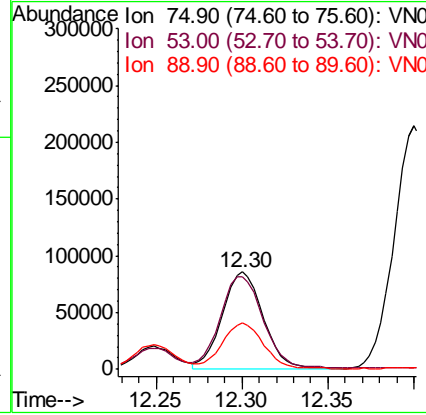
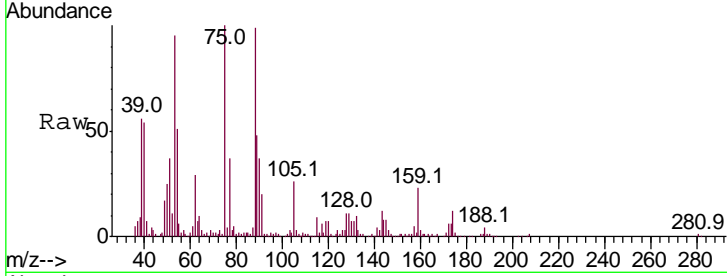
#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 36.590 ug/l  
 RT: 12.30 min Scan# 3274  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
75	100		
53	100.5	76.2	114.2
89	48.0	39.2	58.8

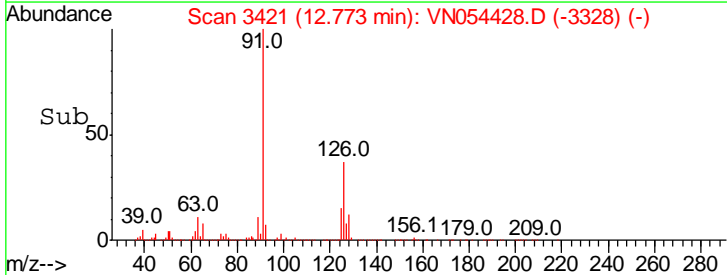
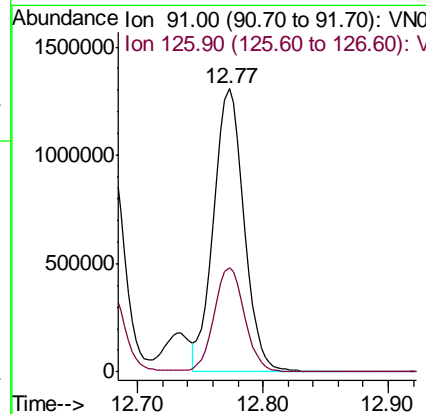
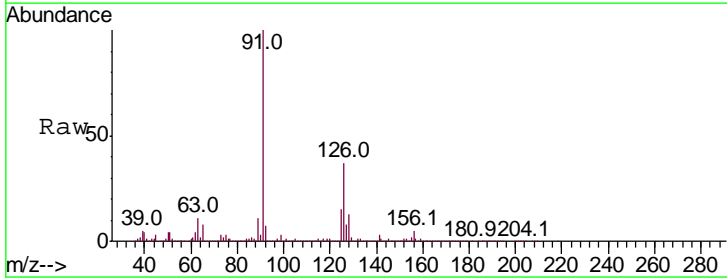
**Manual Integrations**  
**APPROVED**

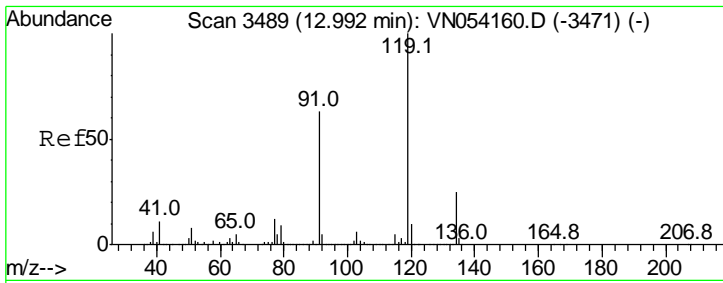
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#82  
 4-Chlorotoluene  
 Concen: 47.492 ug/l  
 RT: 12.77 min Scan# 3421  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
91	100		
126	37.1	18.1	54.1





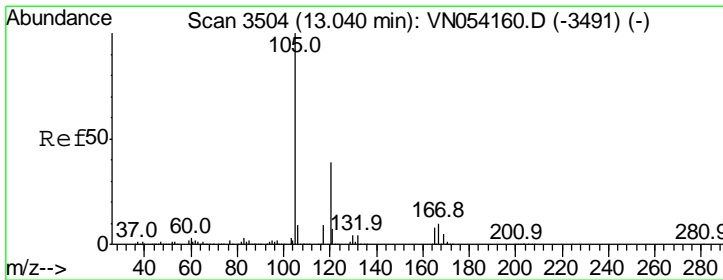
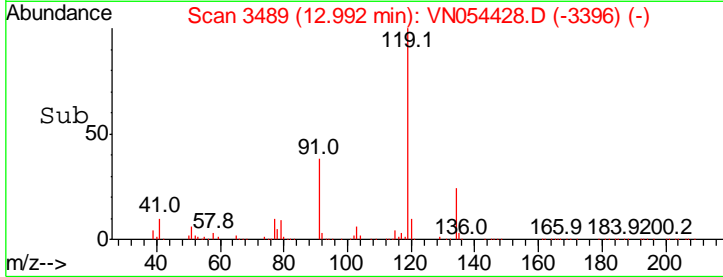
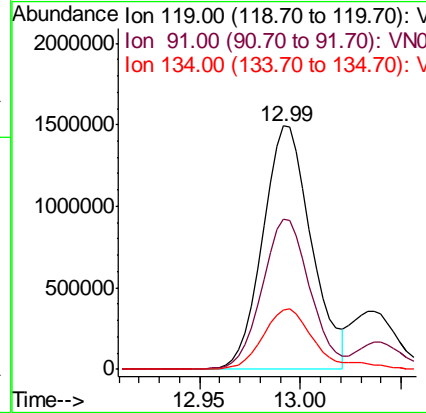
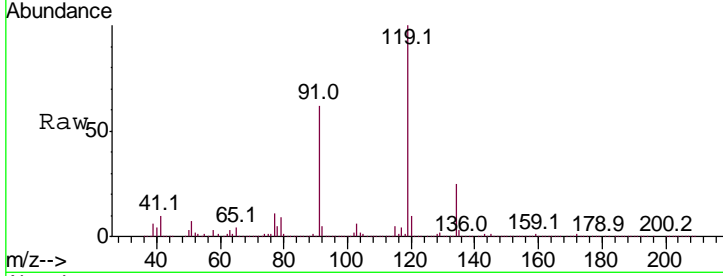
#83  
 tert-Butylbenzene  
 Concen: 45.979 ug/l  
 RT: 12.99 min Scan# 3489  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument : MSVOA\_N  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
119	100		
91	60.1	30.9	92.8
134	26.6	13.2	39.6

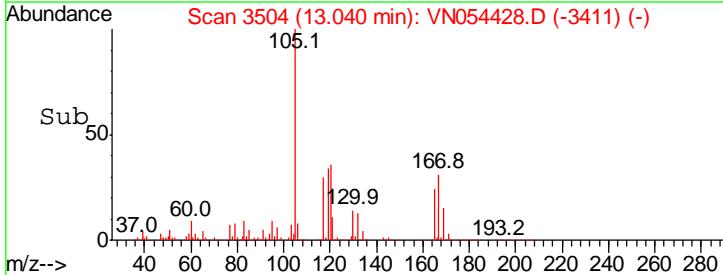
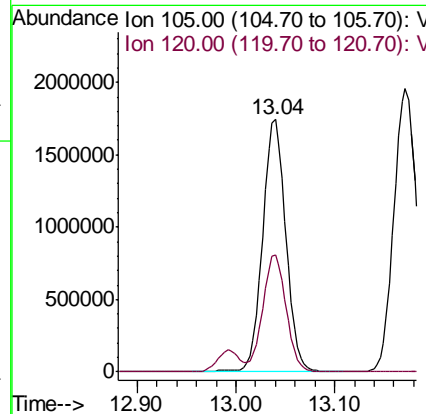
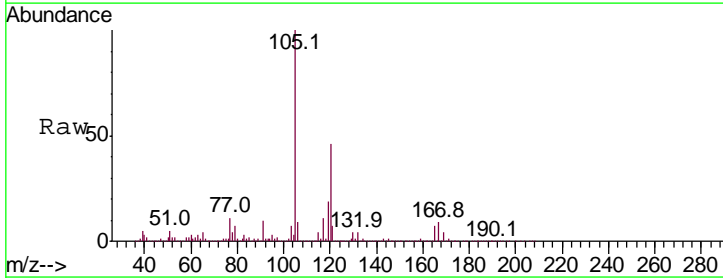
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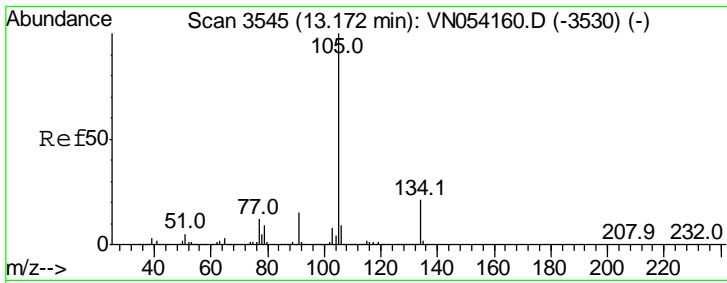
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 48.536 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
105	100		
120	46.6	23.4	70.3



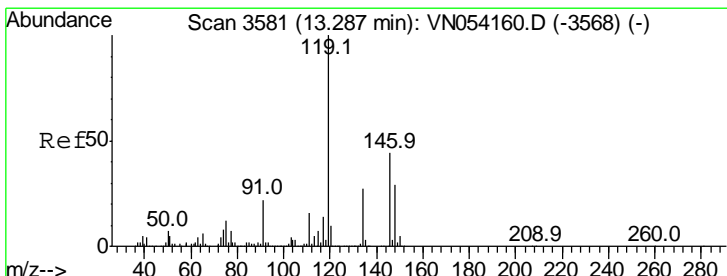
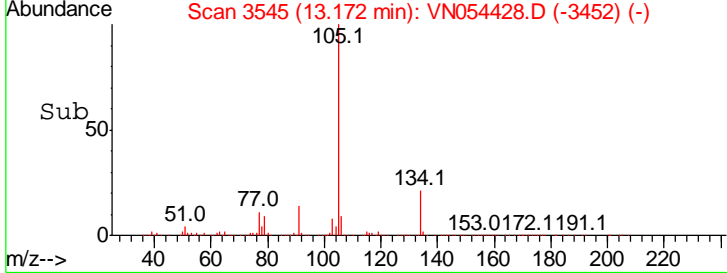
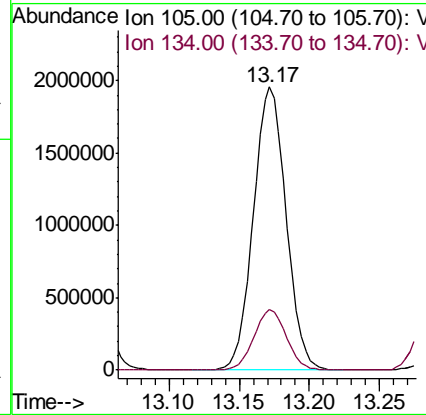
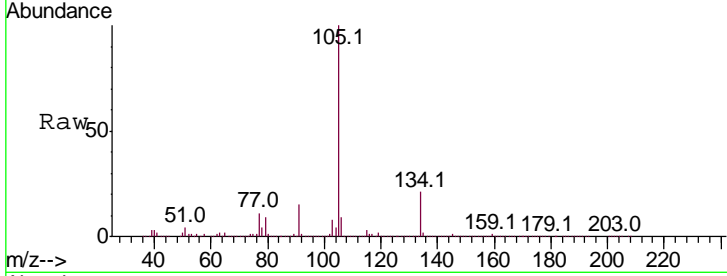


#85  
 sec-Butylbenzene  
 Concen: 44.820 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument : MSVOA\_N  
 ClientSampled : VSTDCCC050EC

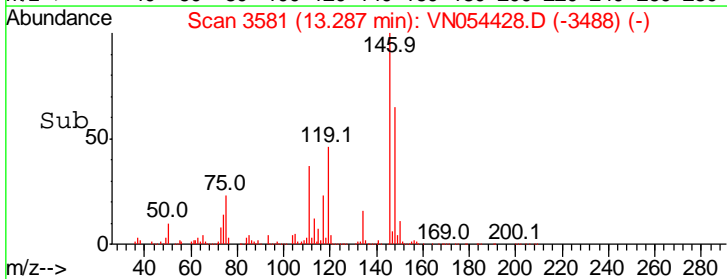
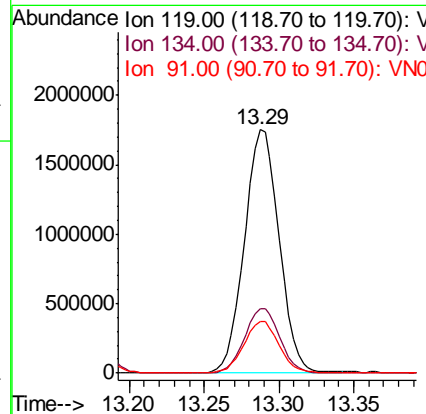
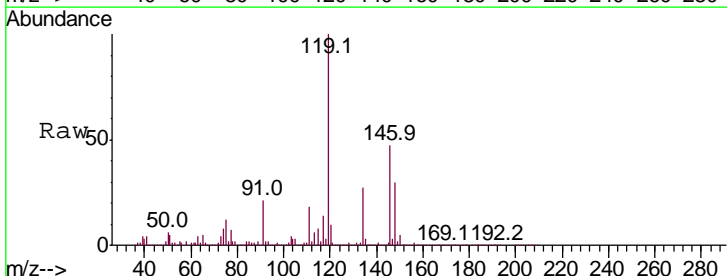
Tgt Ion	Resp	Lower	Upper
105	100		
134	21.4	10.7	32.1

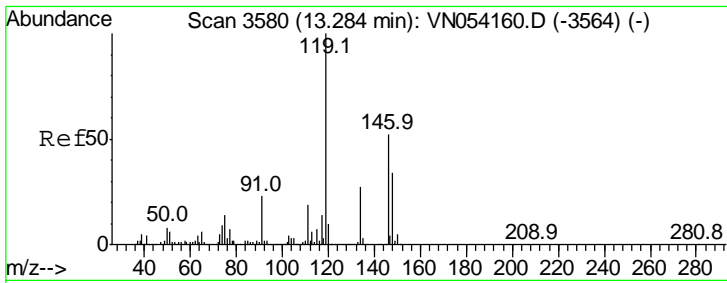
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#86  
 p-Isopropyltoluene  
 Concen: 45.504 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Resp	Lower	Upper
119	100		
134	27.0	13.6	40.8
91	21.1	11.1	33.3





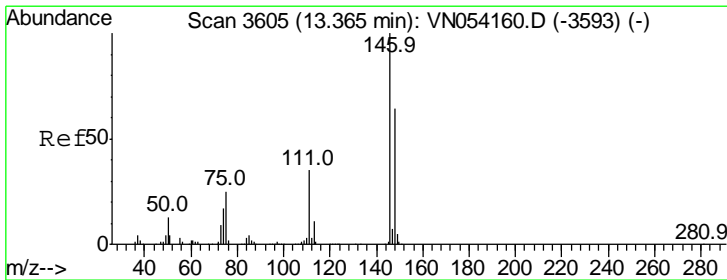
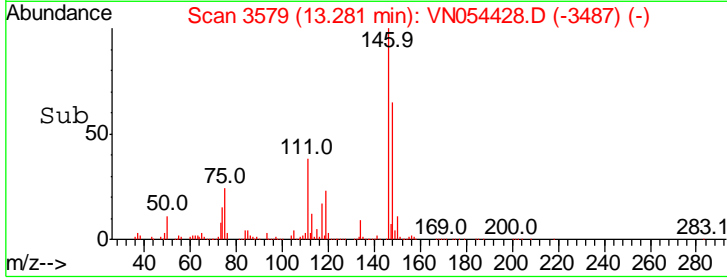
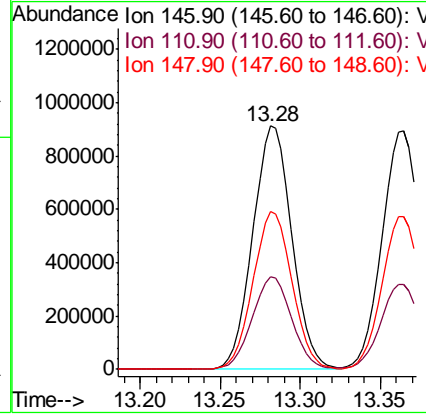
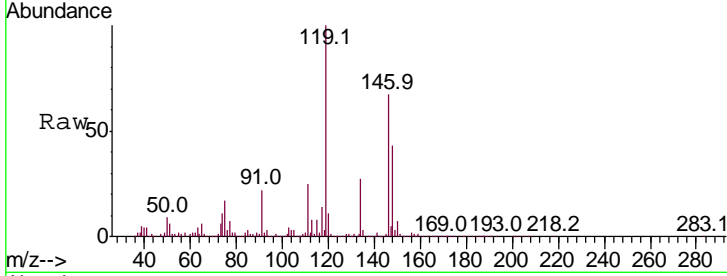
#87  
 1,3-Dichlorobenzene  
 Concen: 48.161 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. -0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument : MSVOA\_N  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.3
148	64.6	32.2	96.6

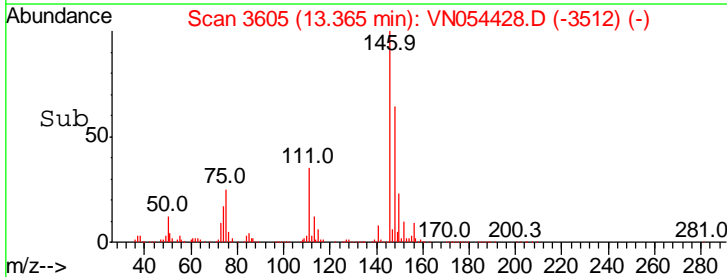
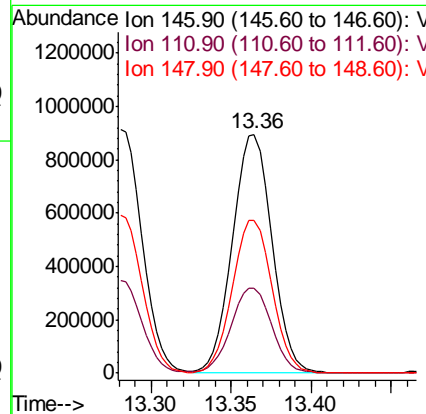
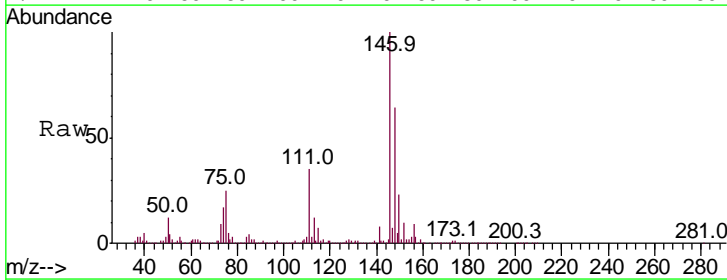
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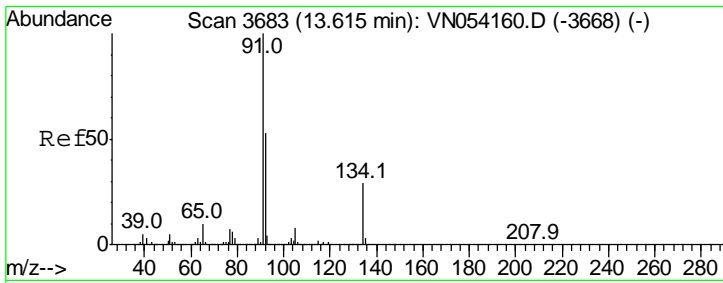


#88  
 1,4-Dichlorobenzene  
 Concen: 48.199 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.1
148	64.8	32.0	96.0







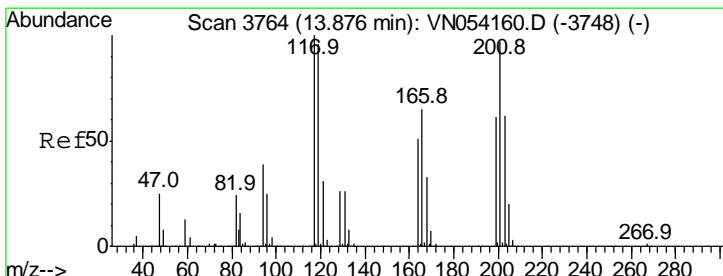
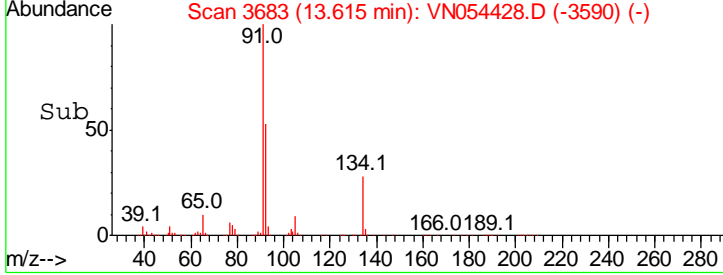
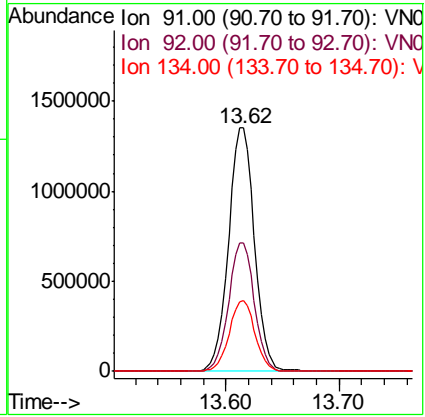
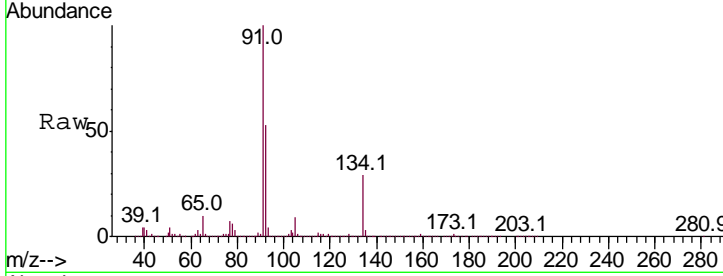
#89  
 n-Butylbenzene  
 Concen: 45.370 ug/l  
 RT: 13.62 min Scan# 3683  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion: 91 Resp: 2130078

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.6
134	29.2	14.3	42.9

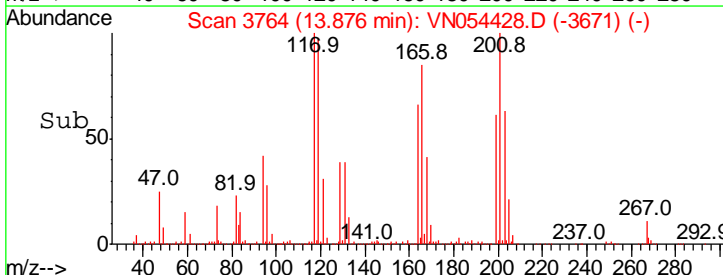
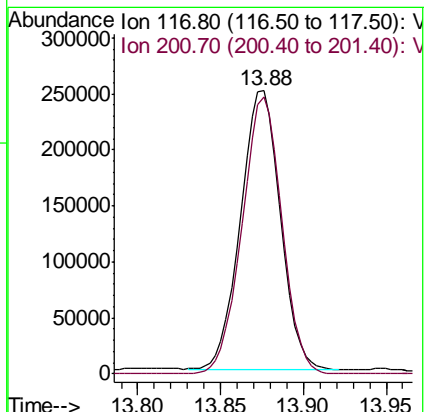
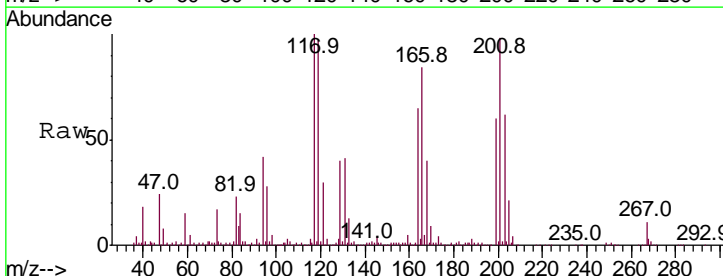
Manual Integrations  
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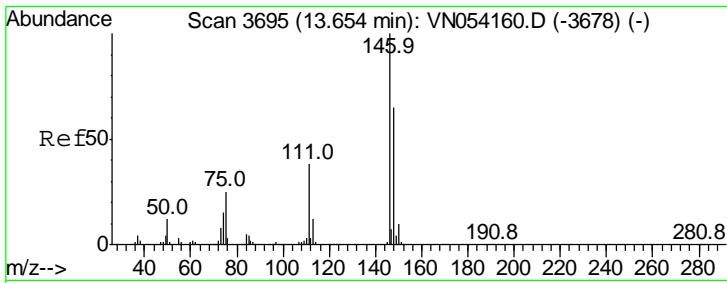


#90  
 Hexachloroethane  
 Concen: 40.552 ug/l  
 RT: 13.88 min Scan# 3764  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion: 117 Resp: 414906

Ion	Ratio	Lower	Upper
117	100		
201	99.3	48.1	144.4





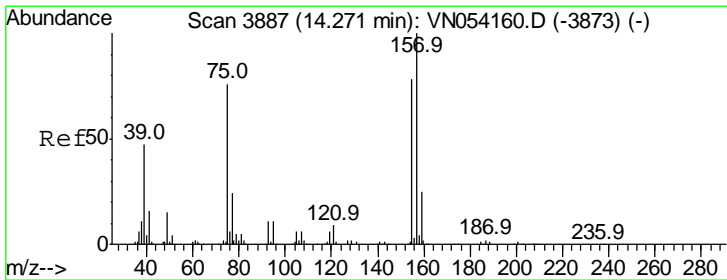
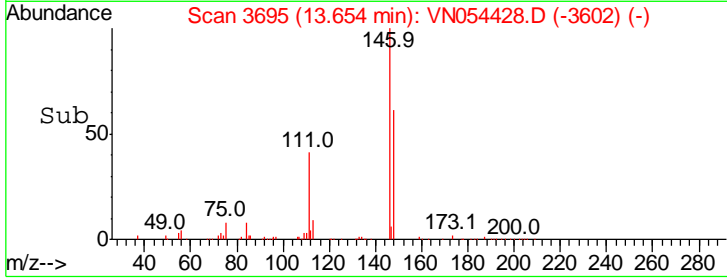
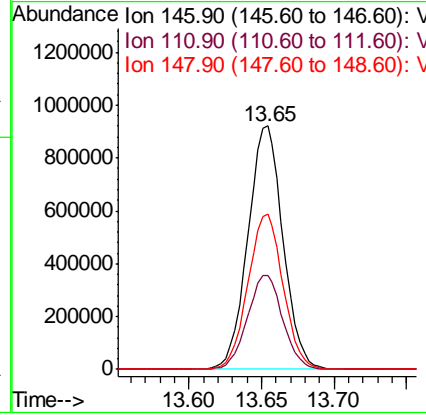
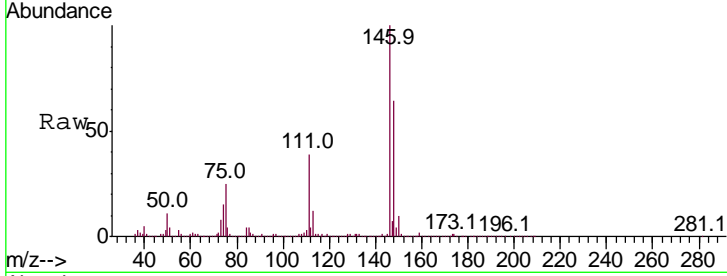
#91  
 1,2-Dichlorobenzene  
 Concen: 49.913 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument : MSVOA\_N  
 ClientSampled : VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.1	57.3
148	64.1	32.4	97.0

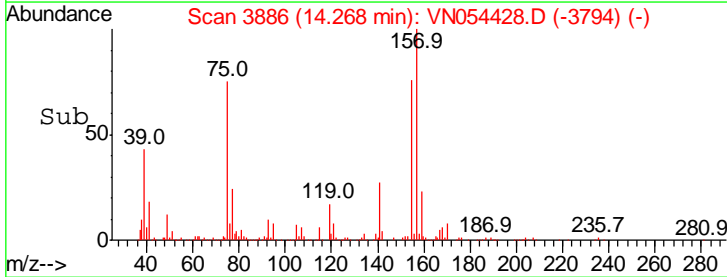
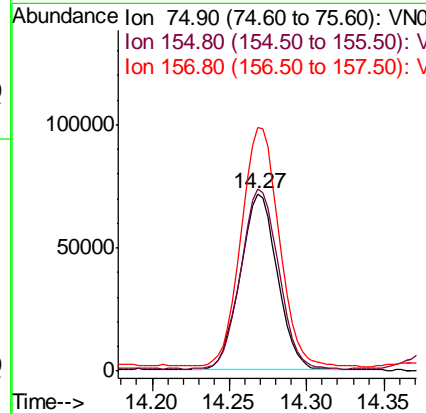
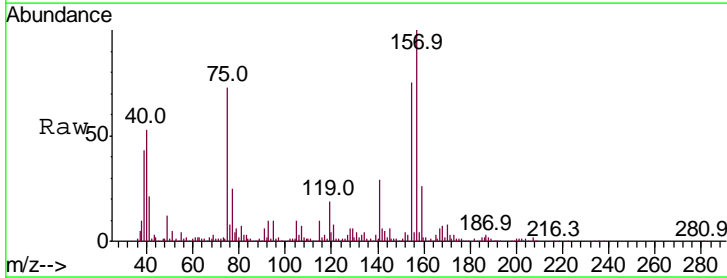
Manual Integrations  
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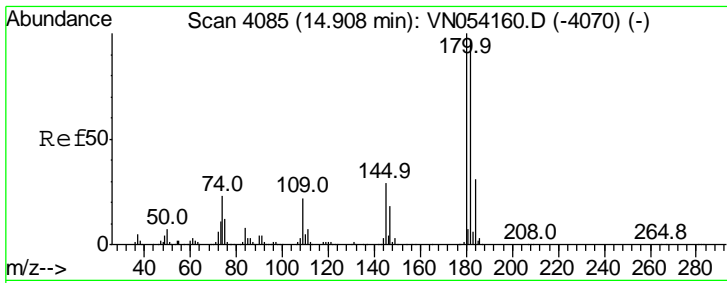
MMDadoda  
 3/19/2019 9:23:15 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 50.809 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. -0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.7	50.1	150.3
157	138.7	63.1	189.3





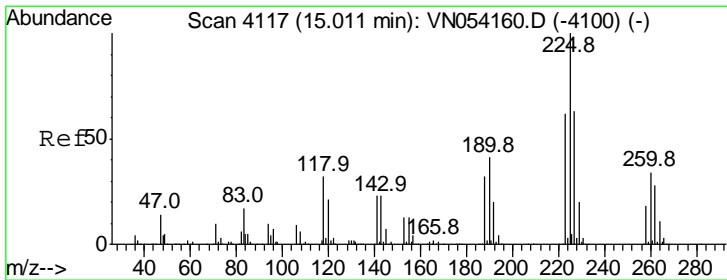
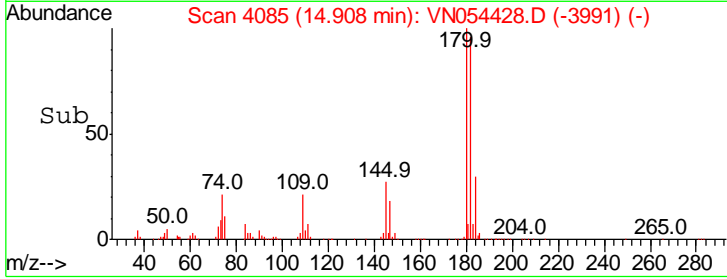
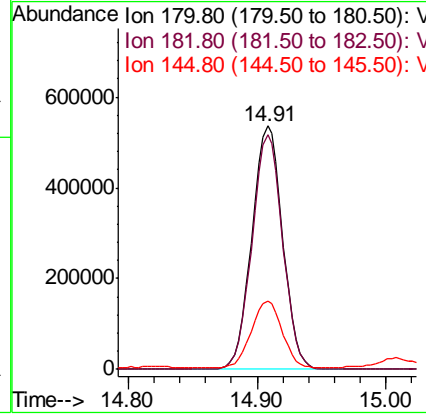
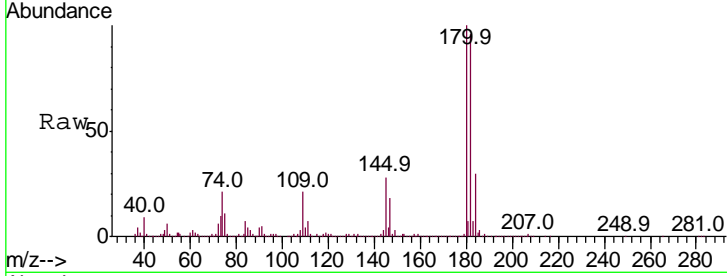
#93  
 1,2,4-Trichlorobenzene  
 Concen: 47.872 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.0	144.2
145	27.3	14.2	42.8

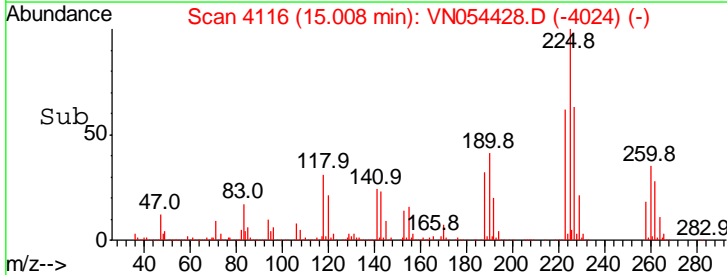
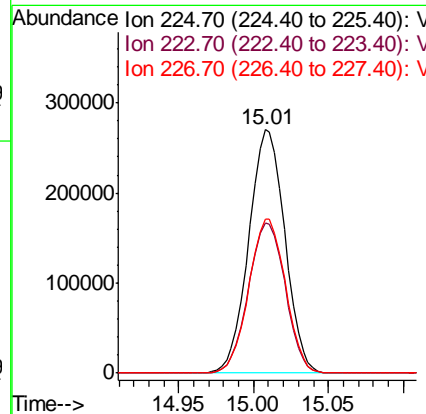
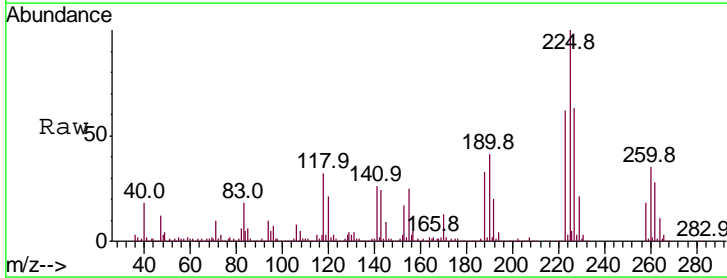
Manual Integrations  
 APPROVED

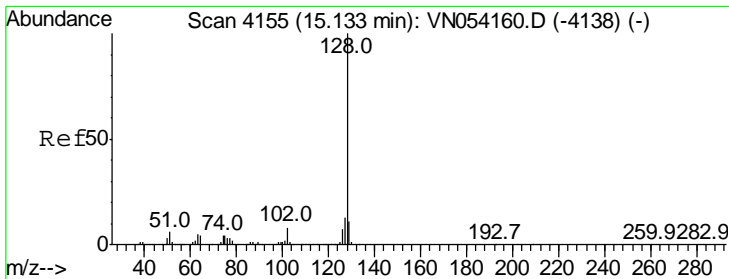
MMDadoda  
 3/19/2019 9:23:15 AM



#94  
 Hexachlorobutadiene  
 Concen: 38.543 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. -0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.1	93.5
227	64.2	31.9	95.9





#95  
 Naphthalene  
 Concen: 54.544 ug/l  
 RT: 15.13 min Scan# 4155  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

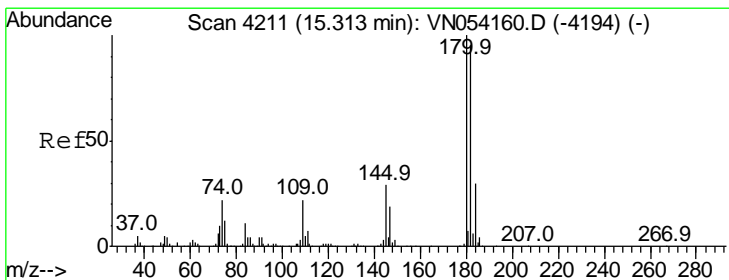
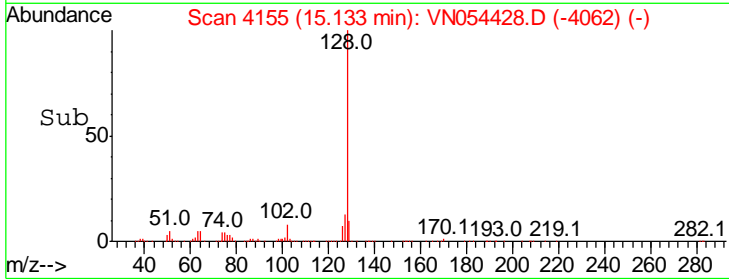
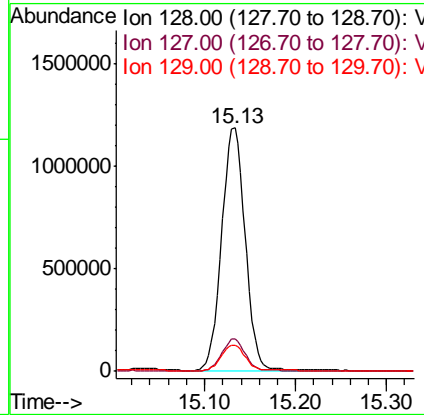
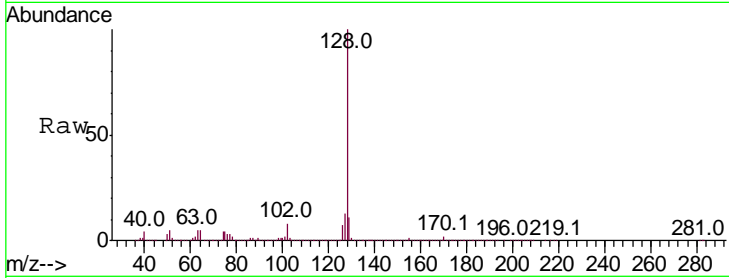
**Instrument :**  
 MSVOA\_N  
**ClientSampled :**  
 VSTDCCC050EC

Tgt Ion:128 Resp: 2134288

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.1	15.1
129	11.1	8.7	13.1

**Manual Integrations**  
**APPROVED**

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 3/19/2019 9:23:15 AM



#96  
 1,2,3-Trichlorobenzene  
 Concen: 53.660 ug/l  
 RT: 15.31 min Scan# 4211  
 Delta R.T. 0.00 min  
 Lab File: VN054428.D  
 Acq: 19 Mar 2019 7:46

Tgt Ion:180 Resp: 881573

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.5	142.6
145	30.3	14.8	44.3

