

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
 Data File : VN054305.D
 Acq On : 15 Mar 2019 12:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/16/2019 11:08:58 AM

Quant Time: Mar 16 03:29:55 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	1540782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2251238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1953475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	911033	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	756262	46.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.44%	
35) Dibromofluoromethane	7.59	113	726052	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.09	98	2626090	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
62) 4-Bromofluorobenzene	12.40	95	904305	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	704975	48.277	ug/l	100
3) Chloromethane	2.06	50	589146	41.534	ug/l	100
4) Vinyl Chloride	2.19	62	710315	43.813	ug/l	100
5) Bromomethane	2.57	94	450500	40.120	ug/l	98
6) Chloroethane	2.71	64	428531	43.686	ug/l	100
7) Trichlorofluoromethane	3.02	101	946138	43.894	ug/l	99
8) Diethyl Ether	3.41	74	480170	48.883	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	811077	50.213	ug/l	99
10) Methyl Iodide	3.94	142	1169586	50.957	ug/l	98
11) Tert butyl alcohol	4.82	59	258535	230.471	ug/l	98
12) 1,1-Dichloroethene	3.73	96	767815	47.967	ug/l	96
13) Acrolein	3.61	56	200499	188.622	ug/l	99
14) Allyl chloride	4.31	41	941749	45.855	ug/l	99
15) Acrylonitrile	4.99	53	1148207	249.184	ug/l	100
16) Acetone	3.82	43	1091874	233.050	ug/l	97
17) Carbon Disulfide	4.04	76	1712187	42.669	ug/l	99
18) Methyl Acetate	4.33	43	521805	55.049	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1945118	49.024	ug/l	99
20) Methylene Chloride	4.55	84	735087	47.783	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	734215	47.873	ug/l	97
22) Diisopropyl ether	5.96	45	1985956	48.451	ug/l	97
23) Vinyl Acetate	5.90	43	7225299	239.076	ug/l	98
24) 1,1-Dichloroethane	5.84	63	1251941	47.569	ug/l	99
25) 2-Butanone	6.85	43	1453369	264.301	ug/l	99
26) 2,2-Dichloropropane	6.82	77	1041396	44.995	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	853800	49.901	ug/l	97
28) Bromochloromethane	7.19	49	492439	45.769	ug/l	94
29) Tetrahydrofuran	7.22	42	870550	246.224	ug/l	98
30) Chloroform	7.37	83	1349501	49.138	ug/l	100
31) Cyclohexane	7.65	56	1137267	46.125	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1178304	47.507	ug/l	100
36) 1,1-Dichloropropene	7.79	75	1035241	49.934	ug/l	99
37) Ethyl Acetate	6.94	43	584432	49.061	ug/l	98
38) Carbon Tetrachloride	7.77	117	1045276	48.078	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1268572	49.732	ug/l	99
40) Benzene	8.04	78	3002109	50.603	ug/l	99
41) Methacrylonitrile	7.17	41	313862	46.145	ug/l	93
42) 1,2-Dichloroethane	8.12	62	975799	48.718	ug/l	99
43) Isopropyl Acetate	8.17	43	1023878	48.967	ug/l	99
44) Trichloroethene	8.83	130	936090	50.792	ug/l	98
45) 1,2-Dichloropropane	9.12	63	747201	50.722	ug/l	99
46) Dibromomethane	9.21	93	499704	50.204	ug/l	99
47) Bromodichloromethane	9.40	83	990214	49.625	ug/l	98
48) Methyl methacrylate	9.20	41	540939	50.978	ug/l	96
49) 1,4-Dioxane	9.20	88	158064	1053.099	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2901098	262.177	ug/l	98
52) Toluene	10.16	92	1940756	51.592	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	989372	43.615	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1167423	50.206	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	715354	52.081	ug/l	99
56) Ethyl methacrylate	10.43	69	864473	52.783	ug/l	96
57) 1,3-Dichloropropane	10.71	76	1139252	50.725	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1698810	239.823	ug/l	99
59) 2-Hexanone	10.75	43	1939648	263.435	ug/l	97
60) Dibromochloromethane	10.90	129	787193	50.918	ug/l	100
61) 1,2-Dibromoethane	11.00	107	728218	52.171	ug/l	99
64) Tetrachloroethene	10.63	164	946949	50.137	ug/l	99
65) Chlorobenzene	11.43	112	2212332	51.578	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	796643	51.126	ug/l	98
67) Ethyl Benzene	11.51	91	3617482	50.877	ug/l	99
68) m/p-Xylenes	11.62	106	2870091	103.277	ug/l	98
69) o-Xylene	11.95	106	1386142	51.167	ug/l	98
70) Styrene	11.96	104	2228533	52.452	ug/l	99
71) Bromoform	12.13	173	517676	43.885	ug/l #	100
73) Isopropylbenzene	12.25	105	3638285	49.916	ug/l	100
74) N-amyl acetate	12.07	43	828555	51.212	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	811822	52.277	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	681094m	50.839	ug/l	
77) Bromobenzene	12.53	156	990691	51.365	ug/l	97
78) n-propylbenzene	12.59	91	3988345	50.429	ug/l	99
79) 2-Chlorotoluene	12.67	91	2384031	50.134	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2980107	49.154	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	181885	46.410	ug/l	96
82) 4-Chlorotoluene	12.77	91	2411053	50.776	ug/l	99
83) tert-Butylbenzene	12.99	119	2705538	48.483	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3018596	50.751	ug/l	100
85) sec-Butylbenzene	13.17	105	3513075	48.543	ug/l	100
86) p-Isopropyltoluene	13.29	119	3133951	49.361	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1685636	51.866	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1637223	51.281	ug/l	100
89) n-Butylbenzene	13.62	91	2496025	51.741	ug/l	100
90) Hexachloroethane	13.88	117	460461	43.799	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1633238	51.406	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	118426	49.282	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	913140	47.726	ug/l	99
94) Hexachlorobutadiene	15.01	225	564998	46.687	ug/l	100
95) Naphthalene	15.13	128	1831751	46.130	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	873748	51.759	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

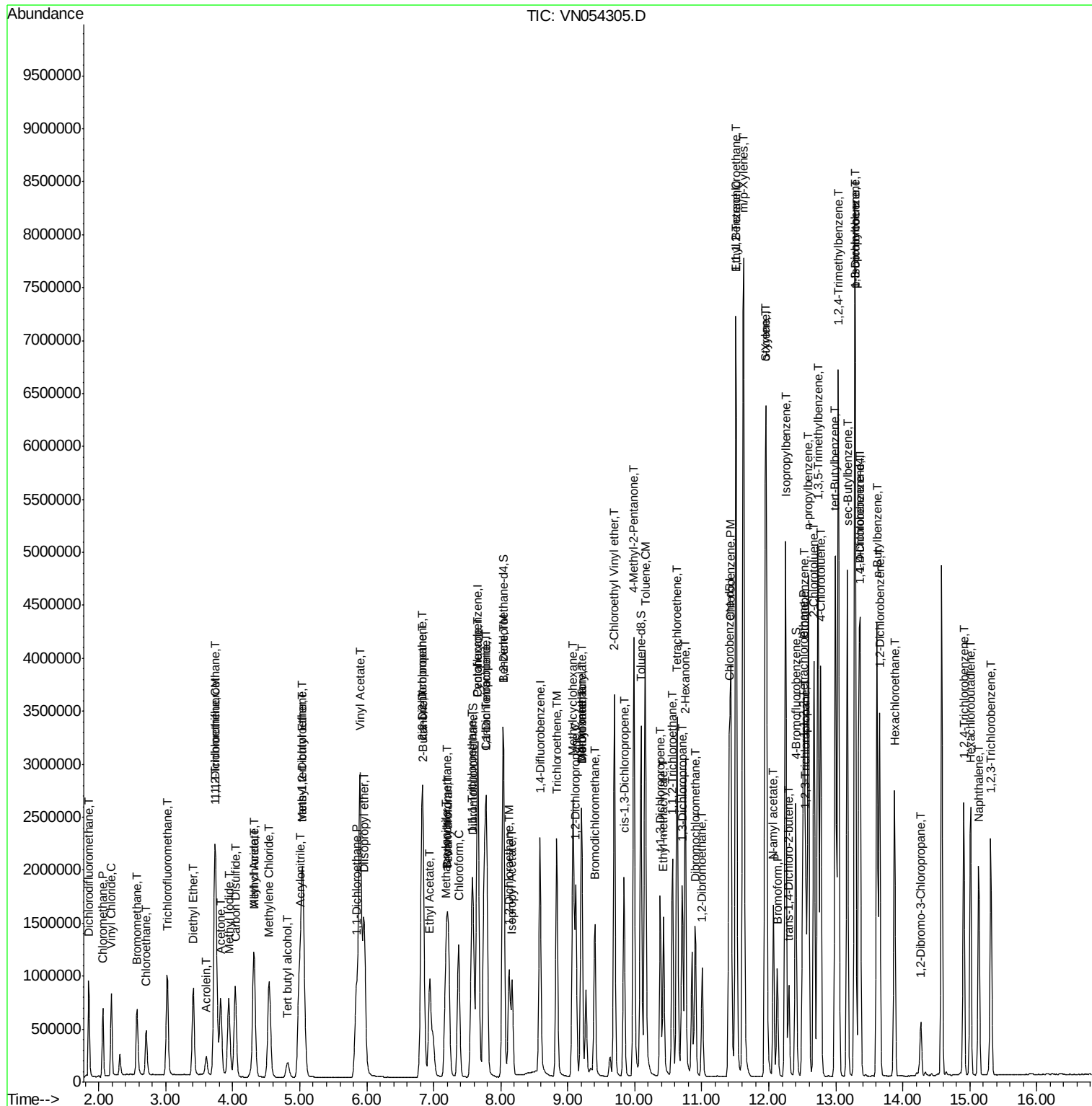
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
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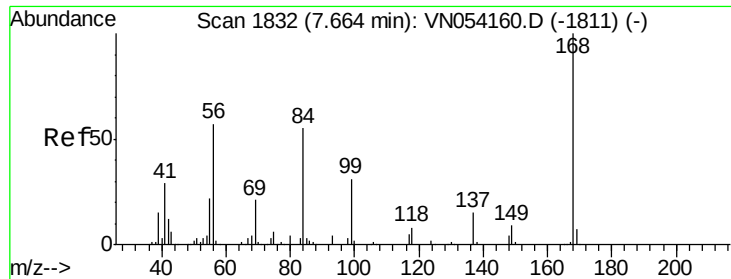
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 1540782

Ion Ratio Lower Upper

168 100

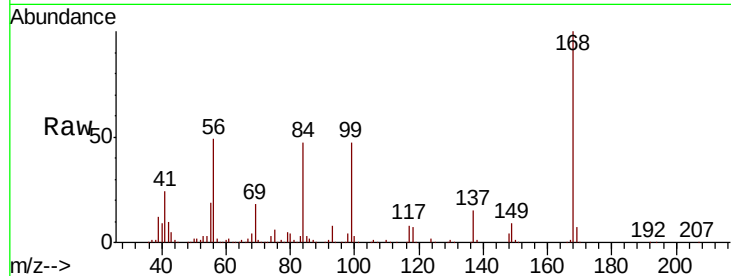
99 46.1 37.1 55.7

Manual Integrations

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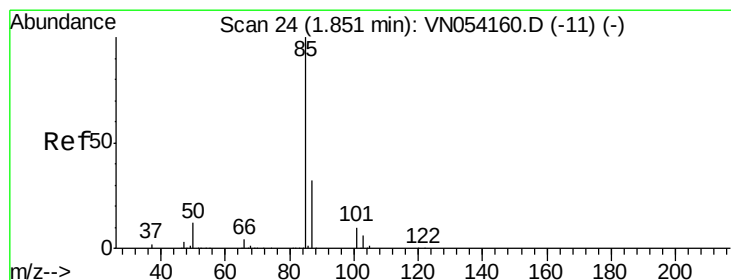
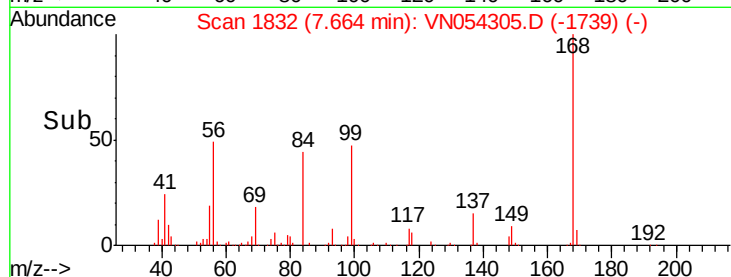
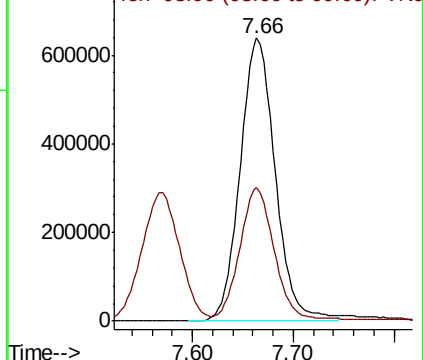
MMDadoda

3/16/2019 11:08:58 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.277 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054305.D

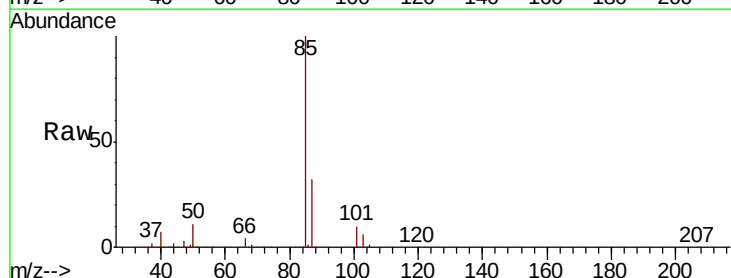
Acq: 15 Mar 2019 12:38

Tgt Ion: 85 Resp: 704975

Ion Ratio Lower Upper

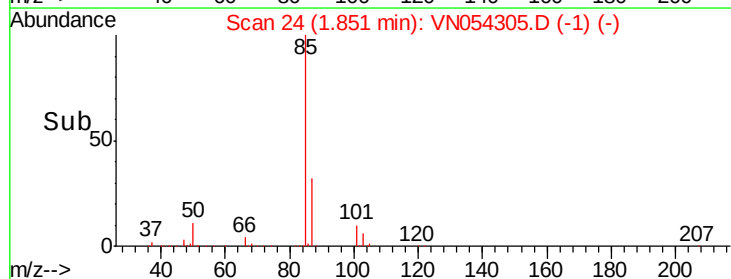
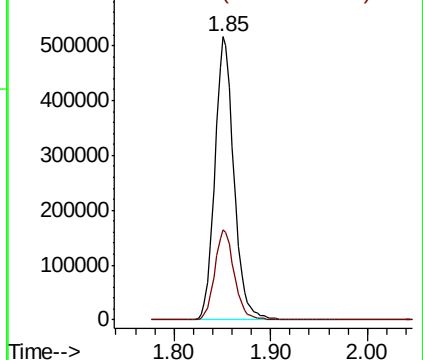
85 100

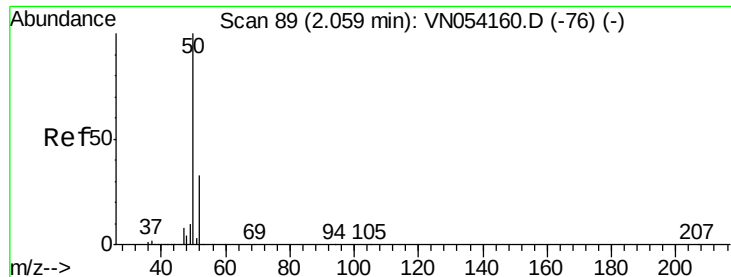
87 31.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 41.534 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 589146

Ion Ratio Lower Upper

50 100

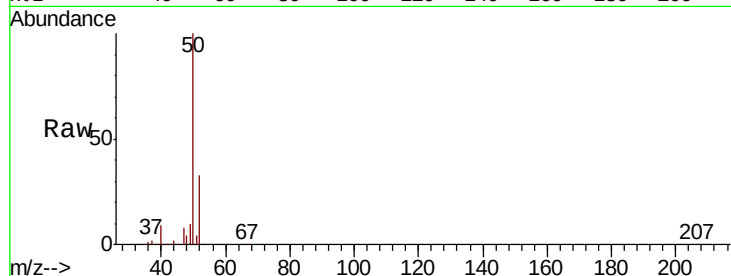
52 32.9 26.4 39.6

Manual Integrations

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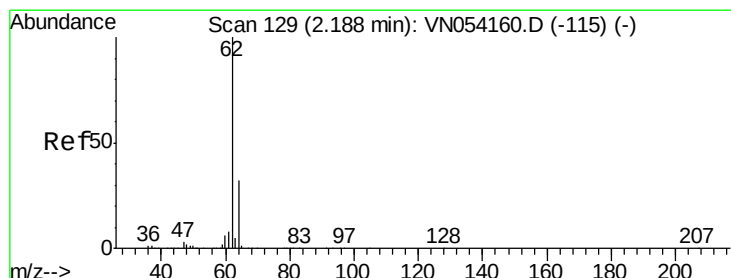
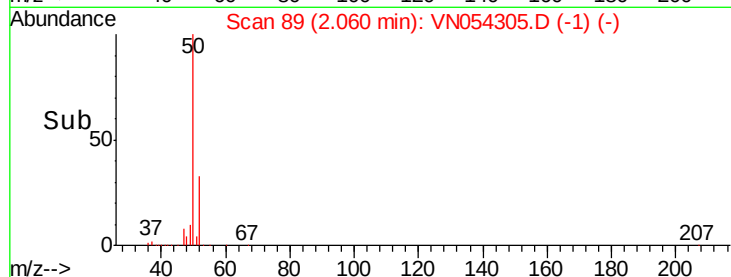
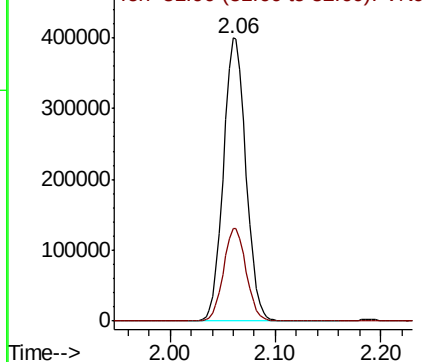
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 43.813 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054305.D

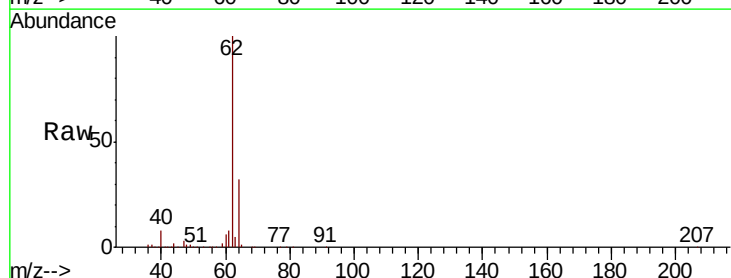
Acq: 15 Mar 2019 12:38

Tgt Ion: 62 Resp: 710315

Ion Ratio Lower Upper

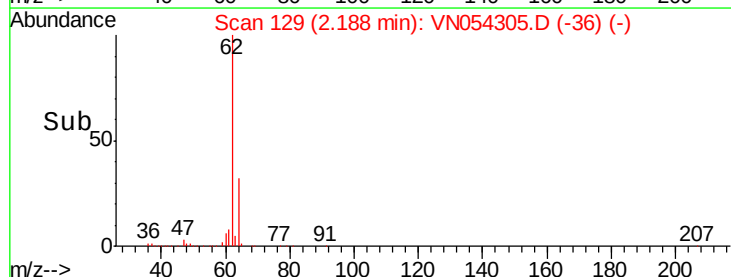
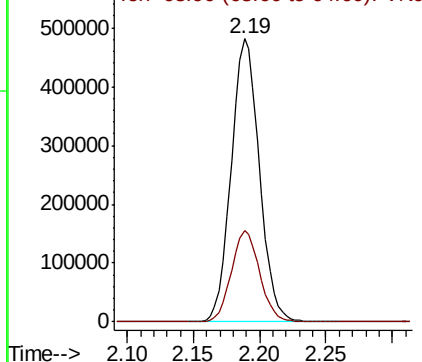
62 100

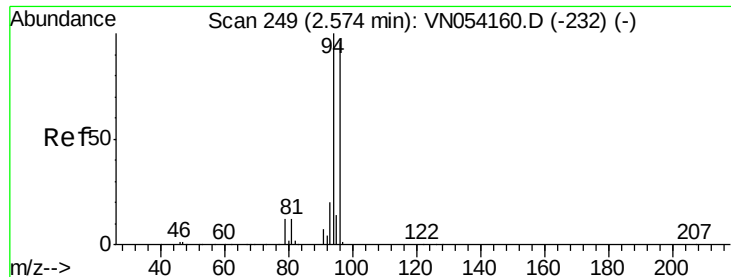
64 32.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 40.120 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

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Acq: 15 Mar 2019 12:38

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ClientSampleId :

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Tgt Ion: 94 Resp: 450500

Ion Ratio Lower Upper

94 100

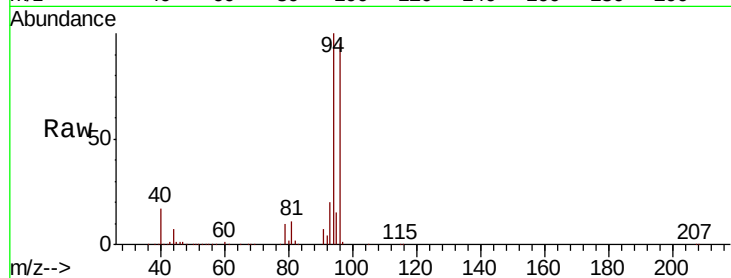
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Manual Integrations

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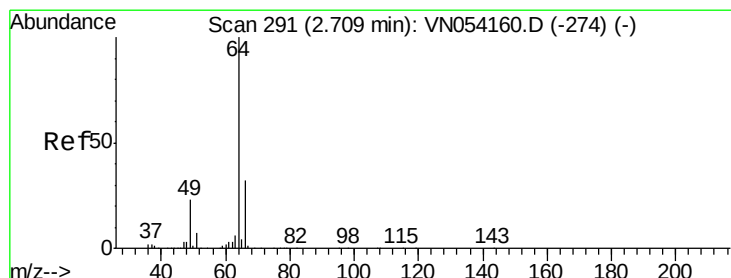
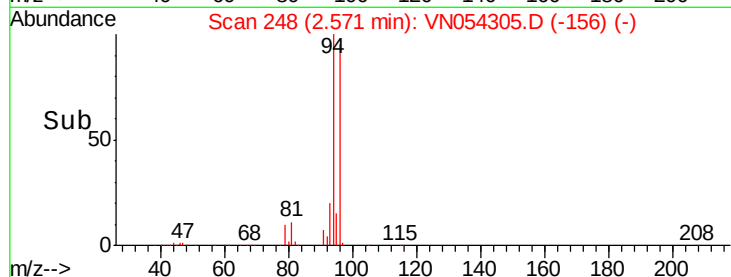
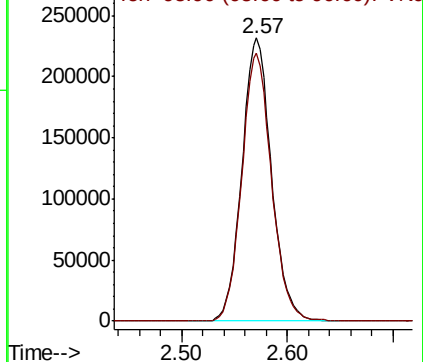
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 43.686 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054305.D

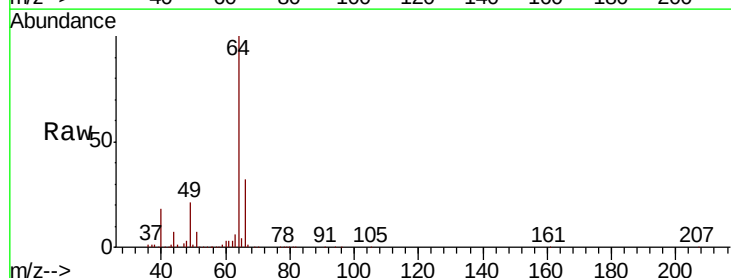
Acq: 15 Mar 2019 12:38

Tgt Ion: 64 Resp: 428531

Ion Ratio Lower Upper

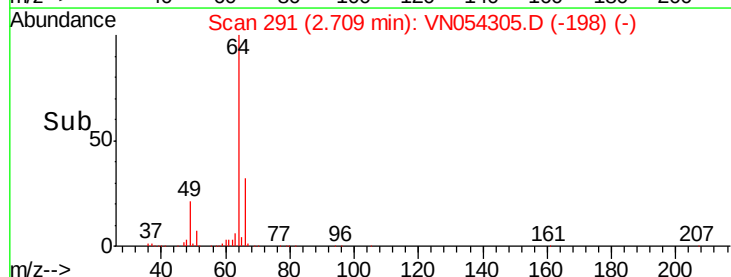
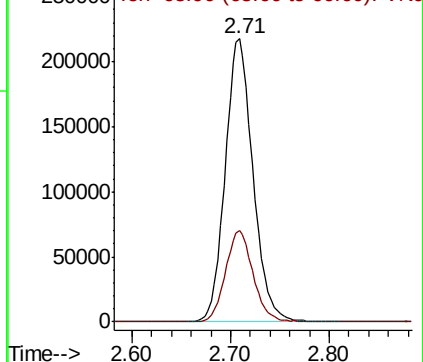
64 100

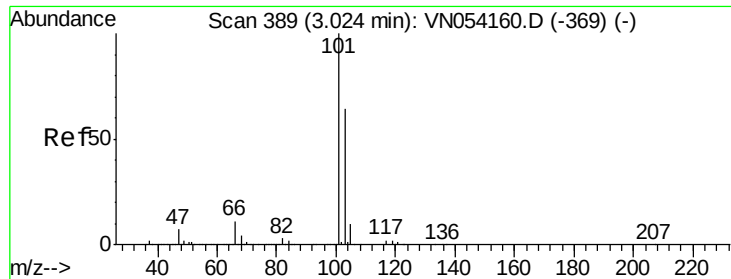
66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

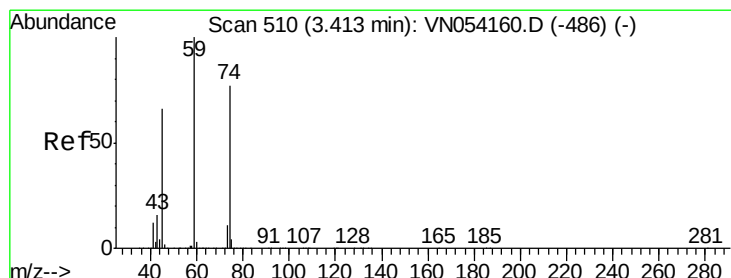
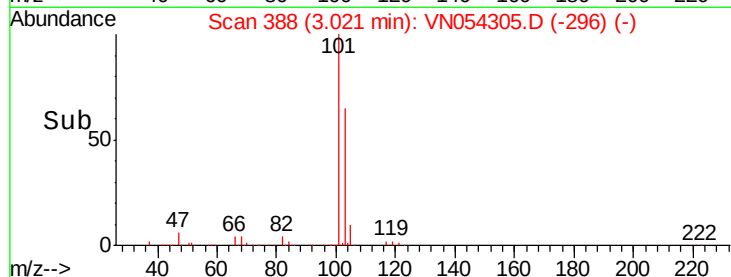
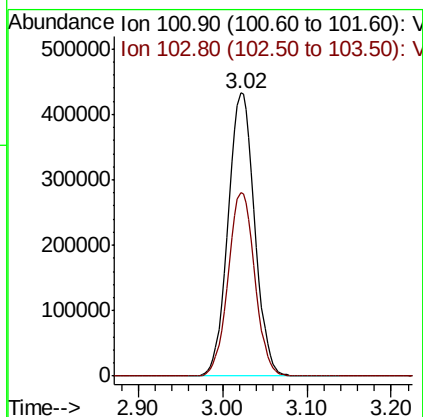
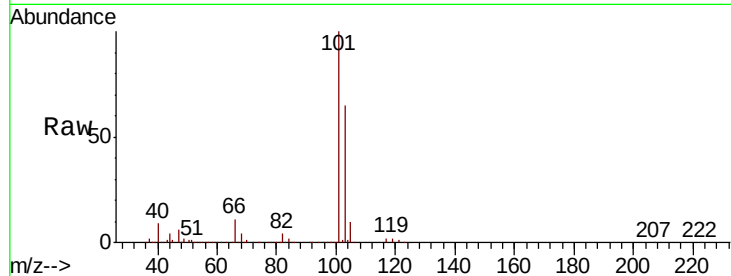
Trichlorofluoromethane
Concen: 43.894 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Instrument :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.4	77.2

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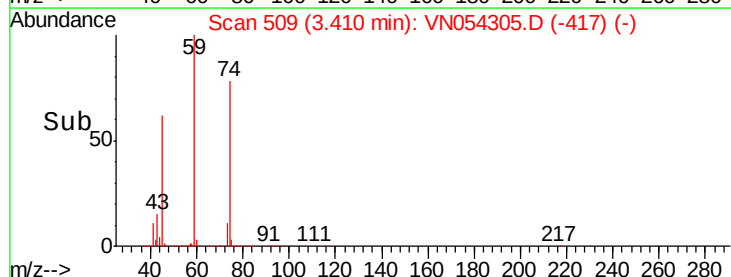
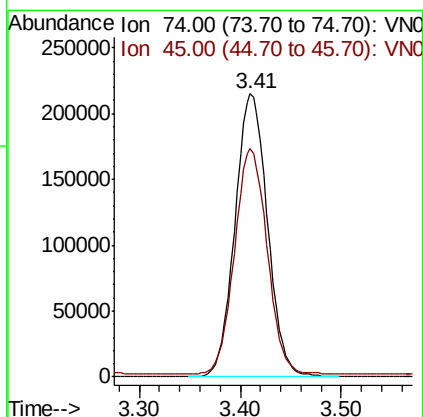
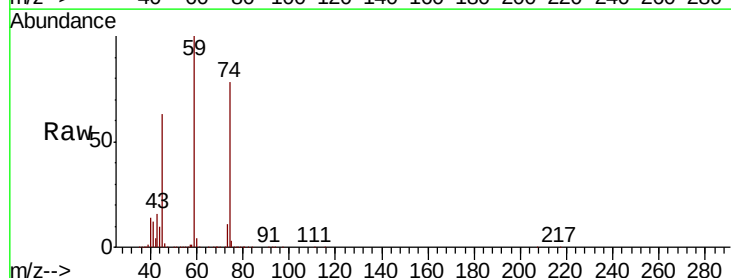
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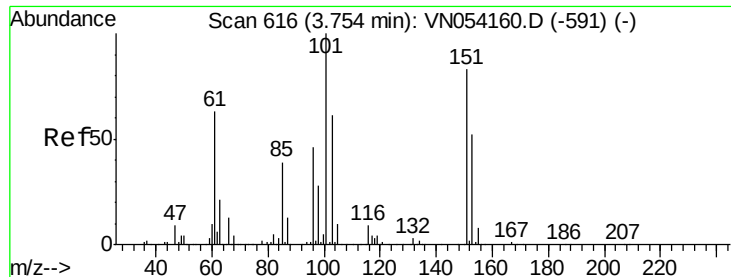


#8

Diethyl Ether
Concen: 48.883 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.9	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.213 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Instrument :

MSVOA_N

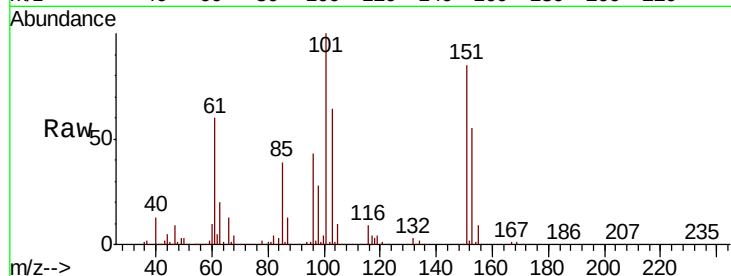
ClientSampleId :

VSTDCCC050

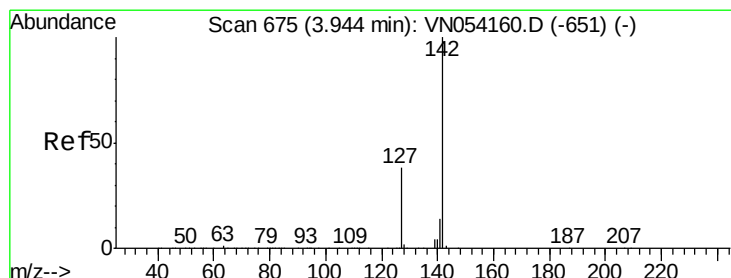
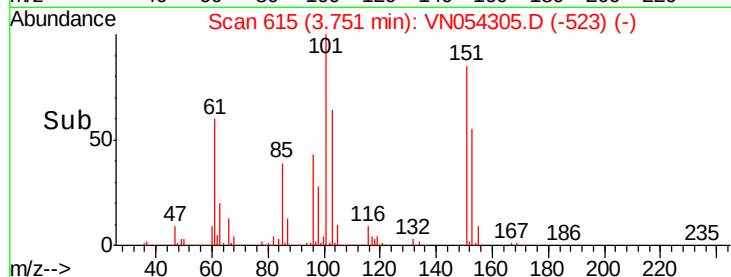
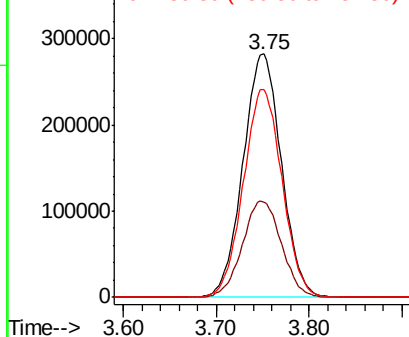
Tgt Ion:	101	Resp:	811077
Ion Ratio	Lower	Upper	
101	100		
85	40.3	32.4	48.6
151	86.3	68.2	102.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.957 ug/l

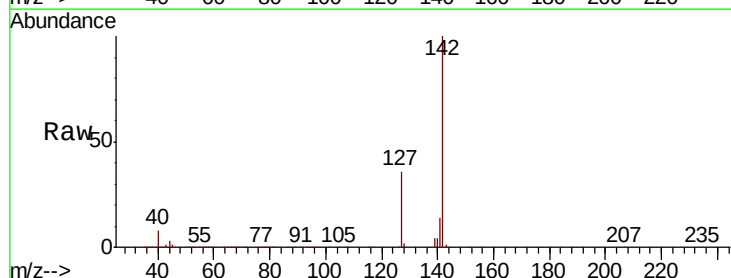
RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

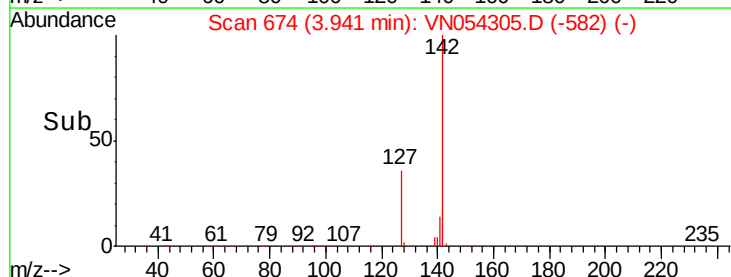
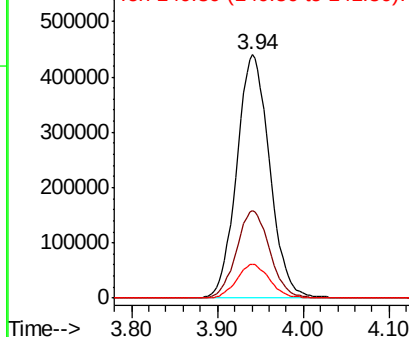
Lab File: VN054305.D

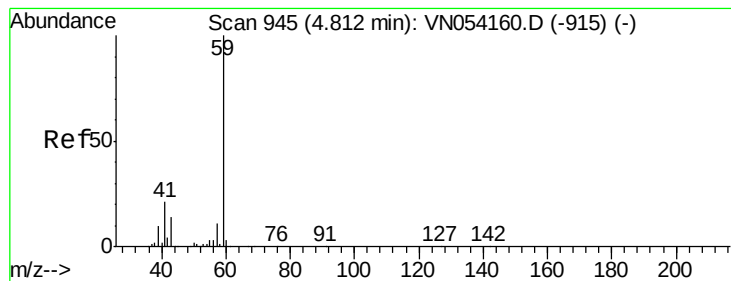
Acq: 15 Mar 2019 12:38

Tgt Ion:	142	Resp:	1169586
Ion Ratio	Lower	Upper	
142	100		
127	36.4	30.3	45.5
141	13.9	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

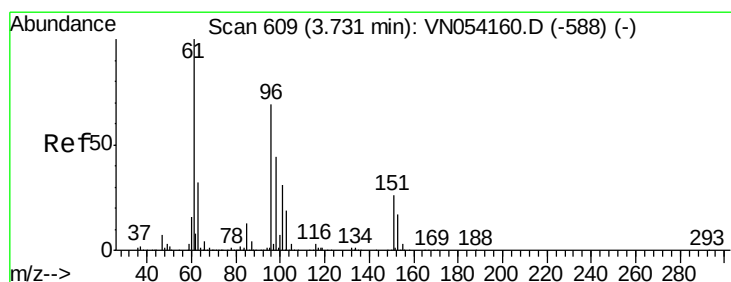
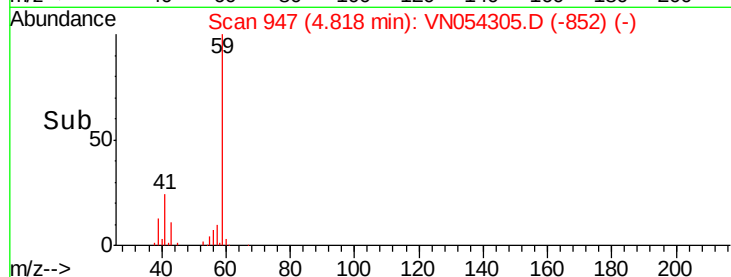
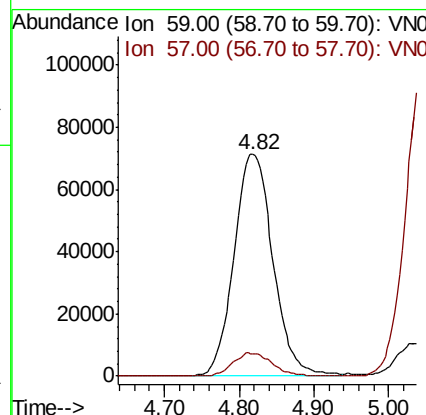
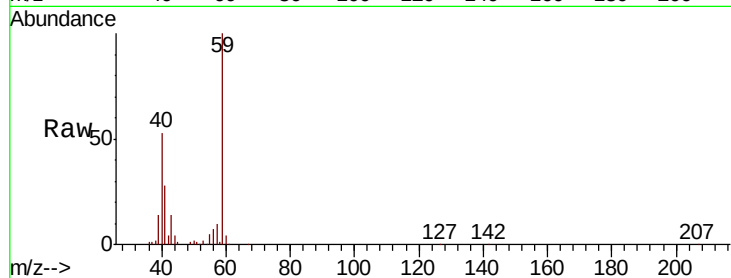
Tert butyl alcohol
 Concen: 230.471 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 59 Resp: 258535
 Ion Ratio Lower Upper
 59 100
 57 10.5 9.0 13.6

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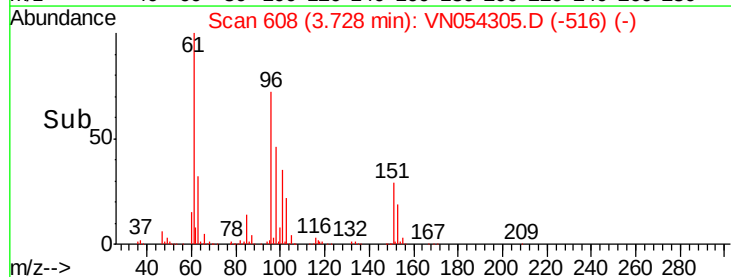
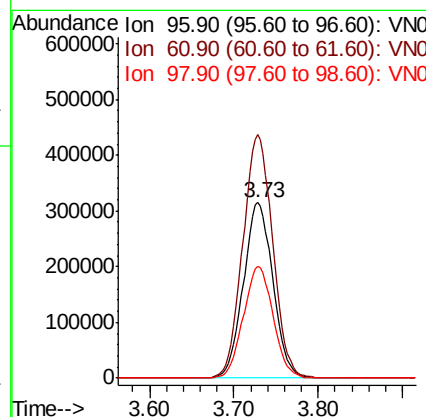
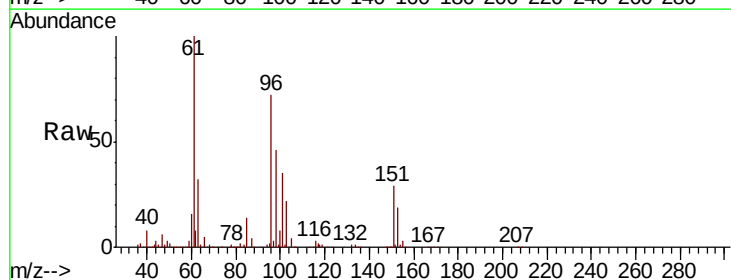
MMDadoda
 3/16/2019 11:08:58 AM

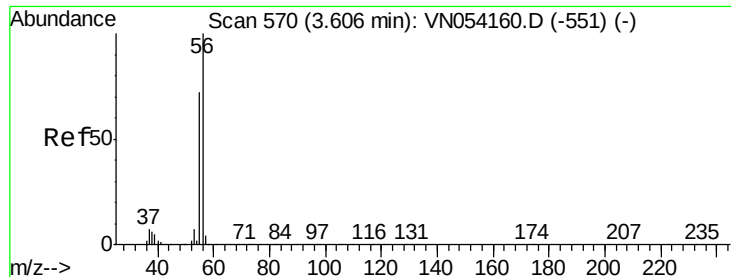


#12

1,1-Dichloroethene
 Concen: 47.967 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Tgt Ion: 96 Resp: 767815
 Ion Ratio Lower Upper
 96 100
 61 138.6 116.5 174.7
 98 63.5 51.0 76.4





#13

Acrolein

Concen: 188.622 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 200499

Ion Ratio Lower Upper

56 100

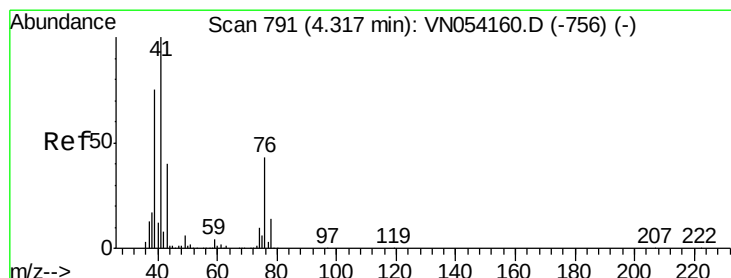
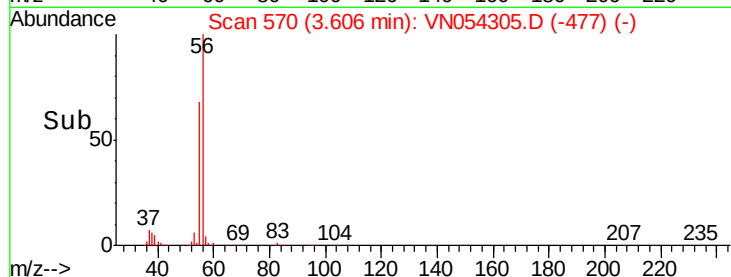
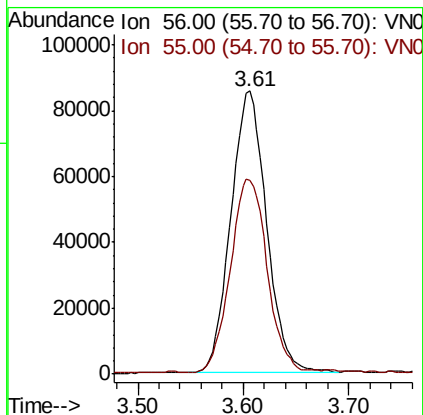
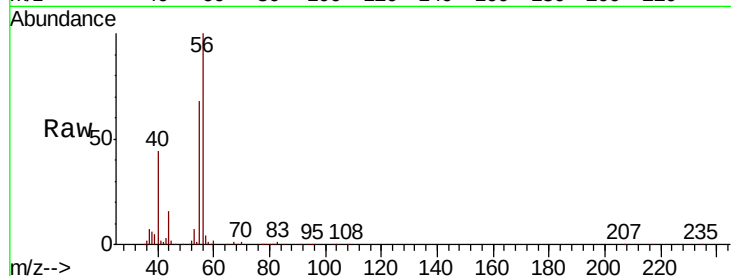
55 69.9 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 45.855 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

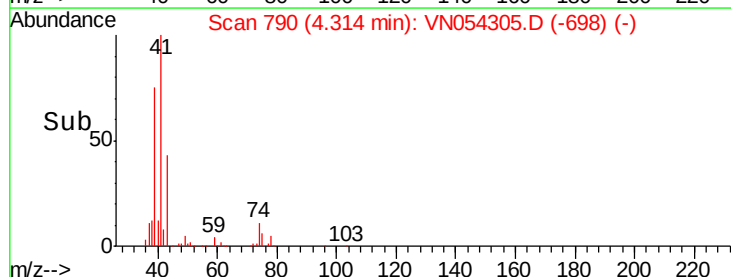
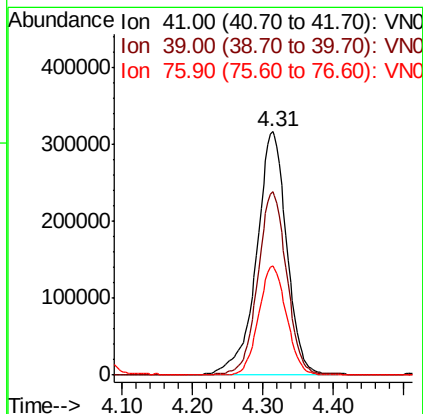
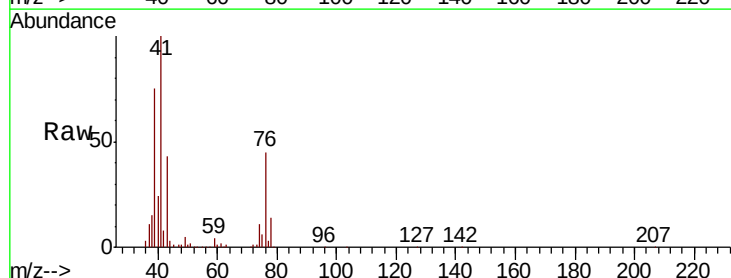
Tgt Ion: 41 Resp: 941749

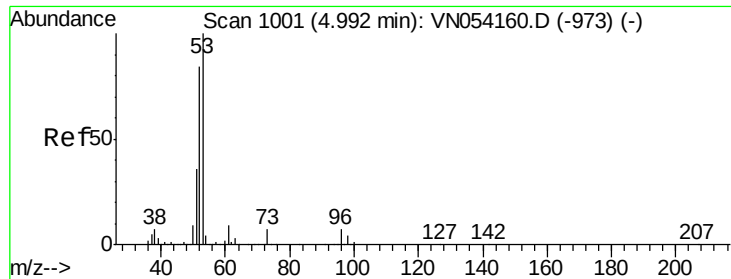
Ion Ratio Lower Upper

41 100

39 72.4 58.2 87.4

76 41.2 31.7 47.5





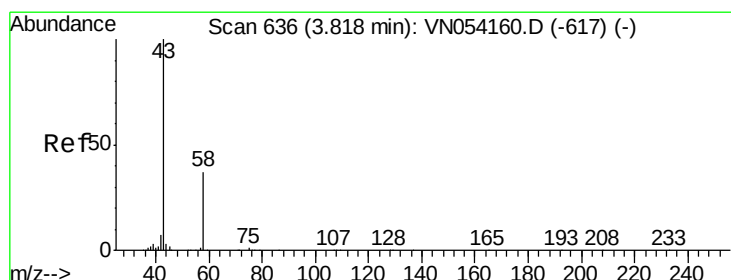
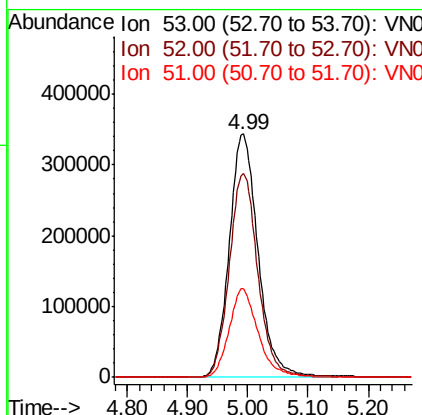
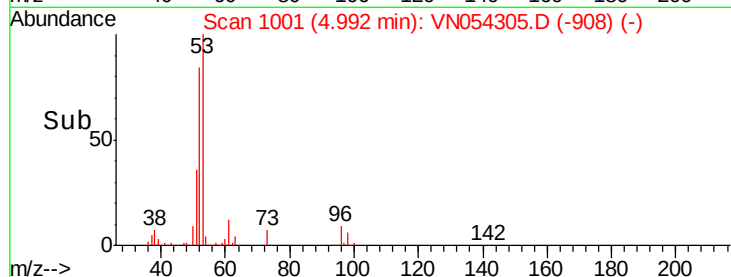
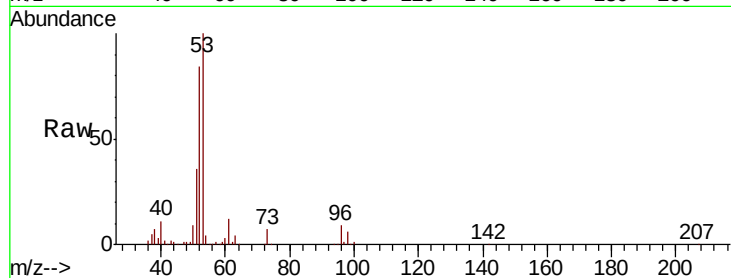
#15
 Acrylonitrile
 Concen: 249.184 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 53 Resp: 1148207
 Ion Ratio Lower Upper
 53 100
 52 83.2 66.4 99.6
 51 36.7 29.6 44.4

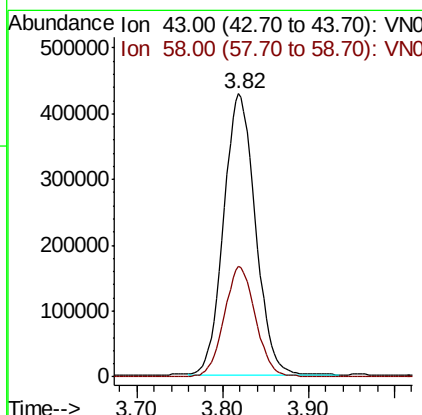
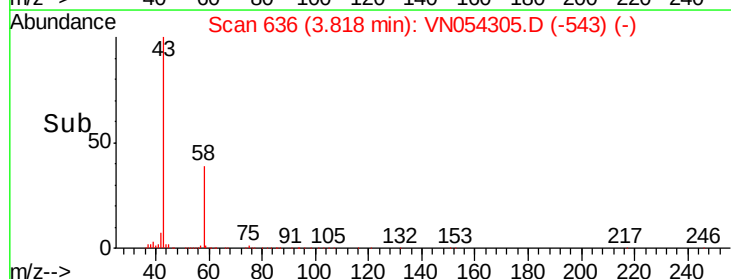
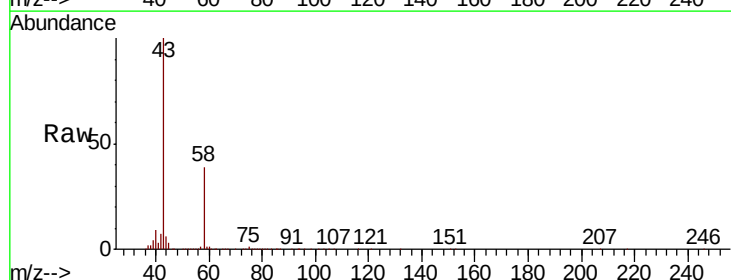
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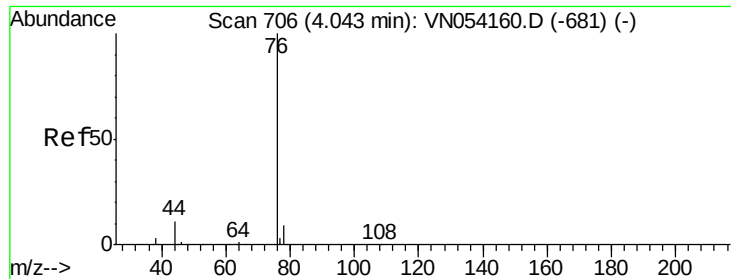
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#16
 Acetone
 Concen: 233.050 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Tgt Ion: 43 Resp: 1091874
 Ion Ratio Lower Upper
 43 100
 58 39.1 29.9 44.9





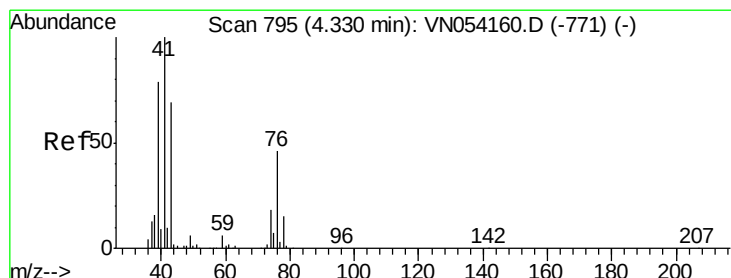
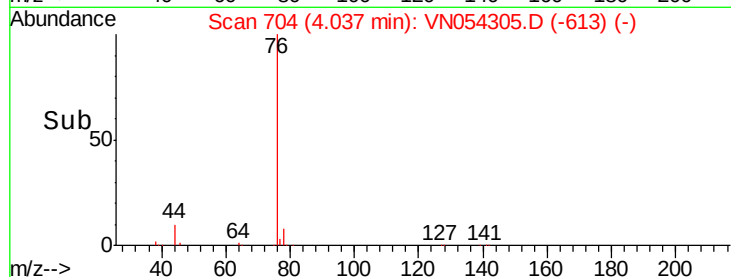
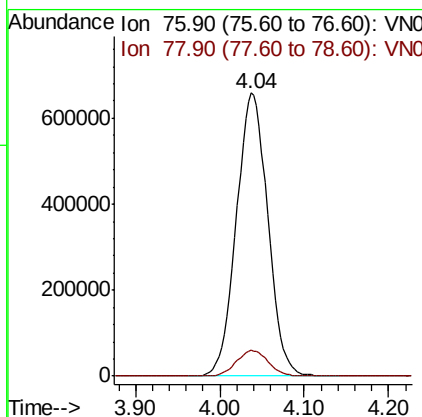
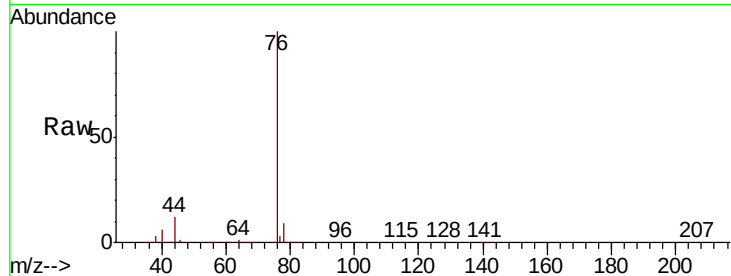
#17
Carbon Disulfide
Concen: 42.669 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.01 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 1712187
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3

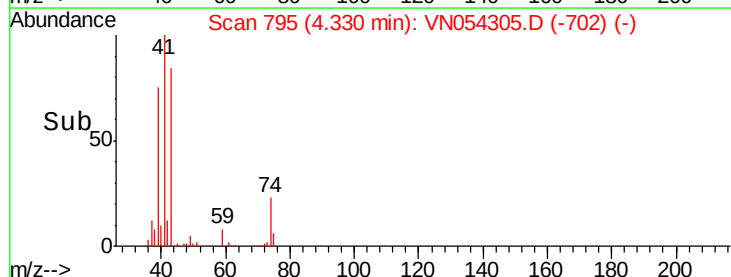
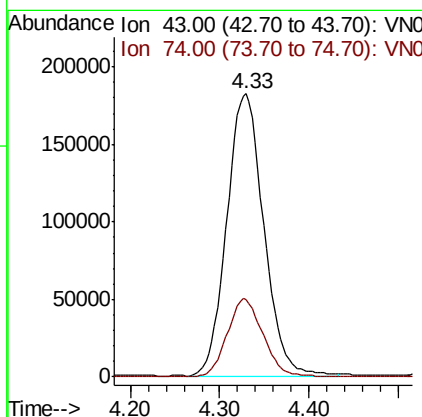
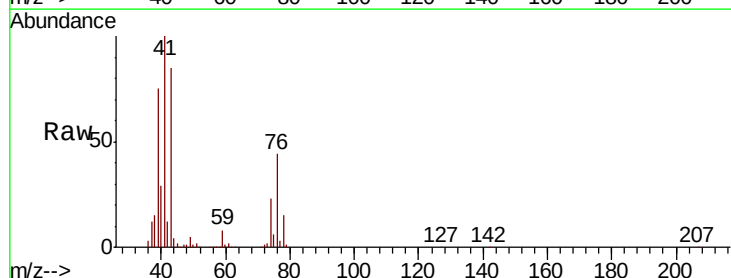
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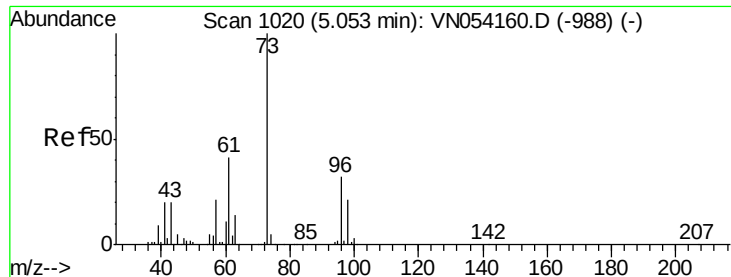
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#18
Methyl Acetate
Concen: 55.049 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Tgt Ion: 43 Resp: 521805
Ion Ratio Lower Upper
43 100
74 26.9 20.8 31.2





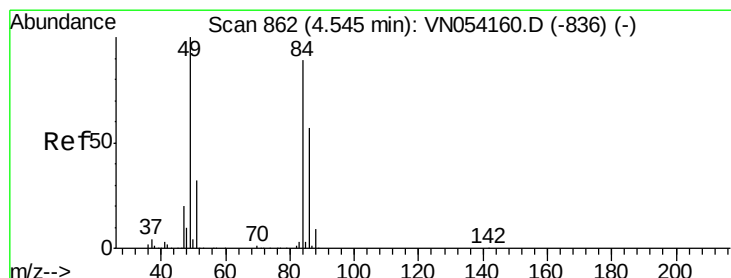
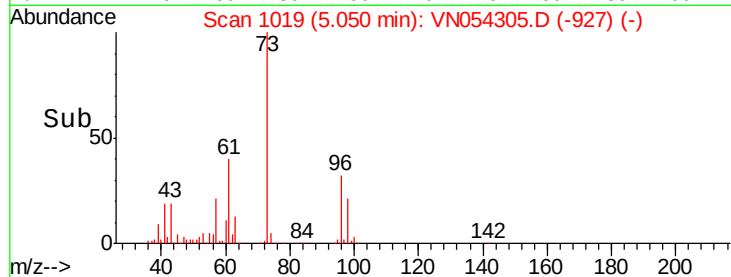
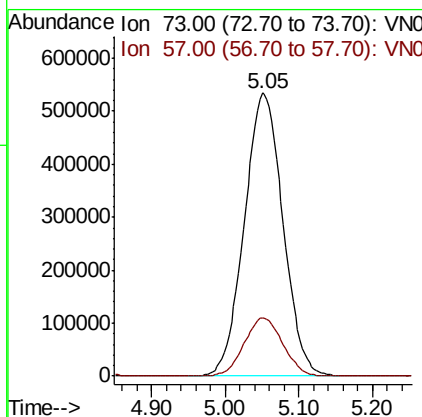
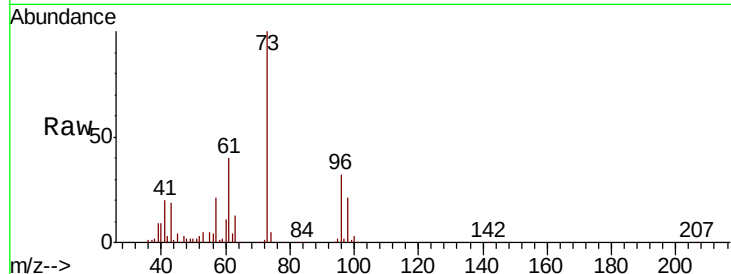
#19
Methyl tert-butyl Ether
Concen: 49.024 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 1945118
Ion Ratio Lower Upper
73 100
57 20.6 16.8 25.2

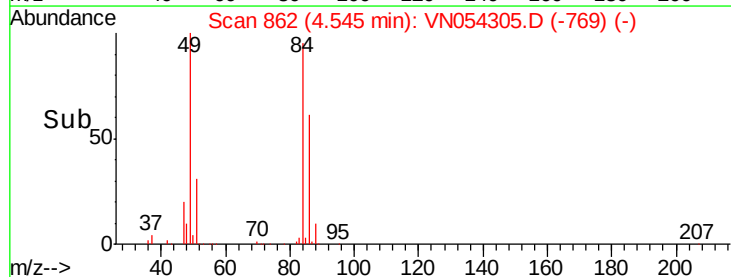
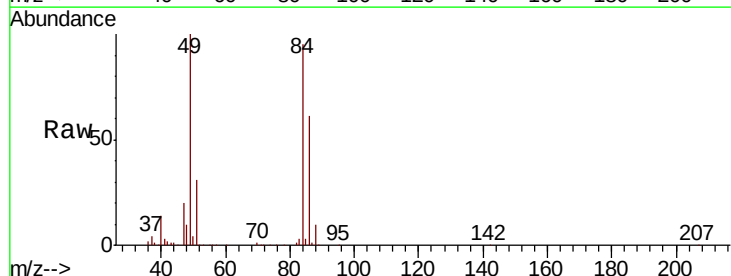
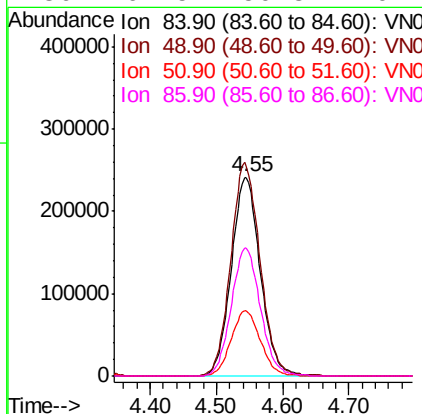
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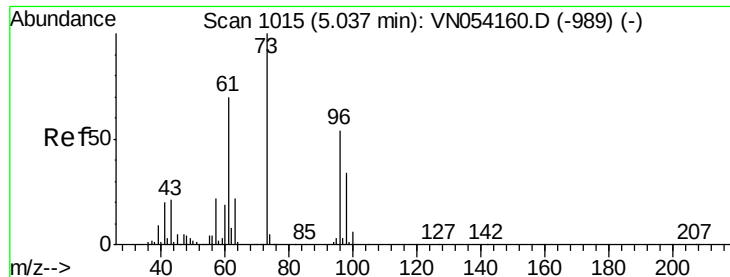
MMDadoda
3/16/2019 11:08:58 AM



#20
Methylene Chloride
Concen: 47.783 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Tgt Ion: 84 Resp: 735087
Ion Ratio Lower Upper
84 100
49 105.5 89.7 134.5
51 32.7 28.2 42.4
86 64.5 50.8 76.2





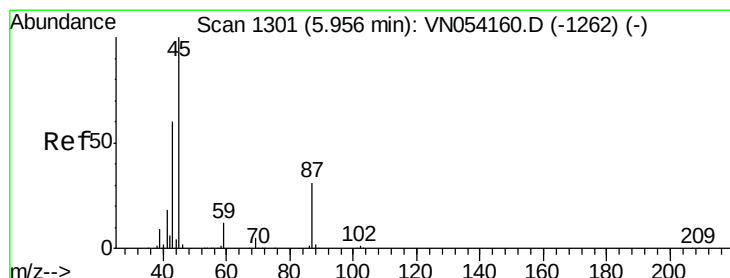
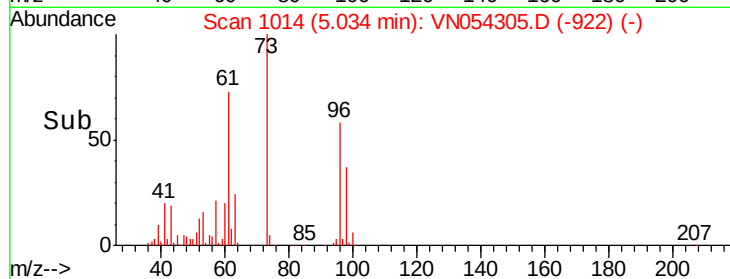
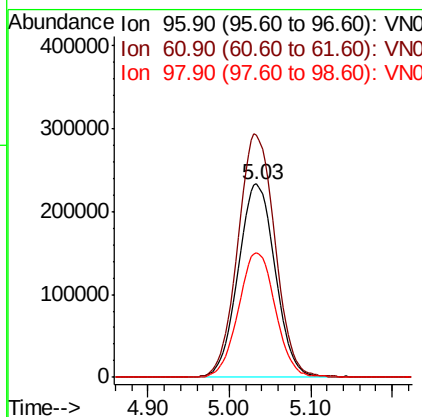
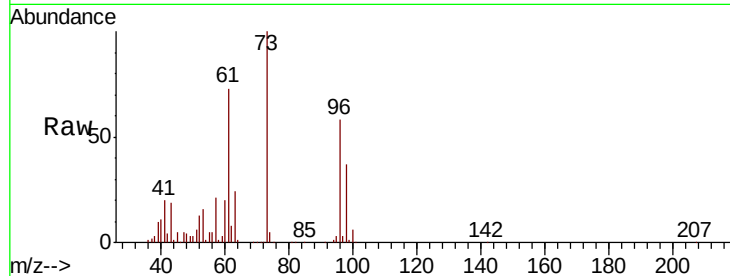
#21
trans-1,2-Dichloroethene
Concen: 47.873 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.3	102.8	154.2
98	64.4	50.0	75.0

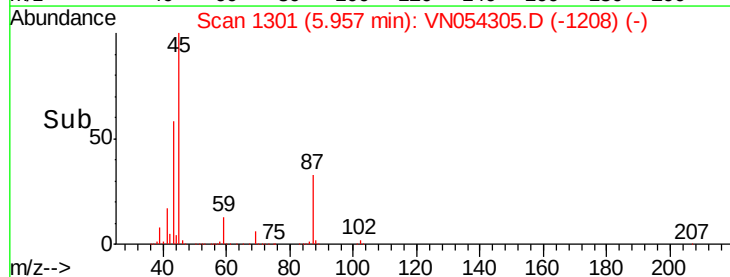
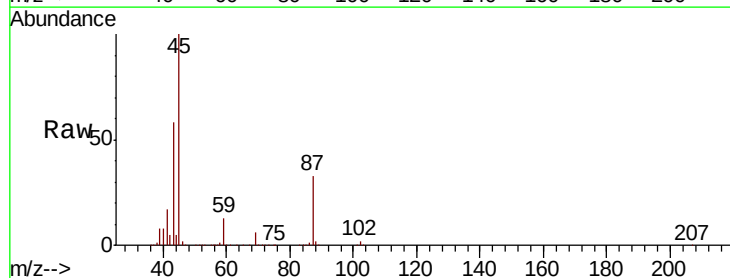
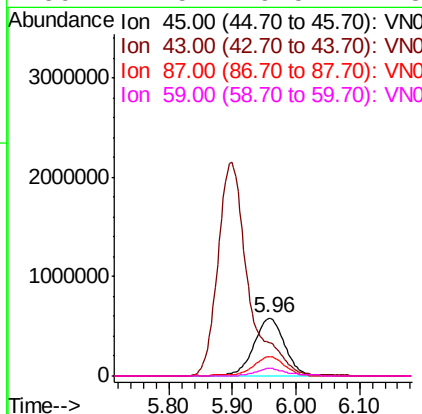
Manual Integrations
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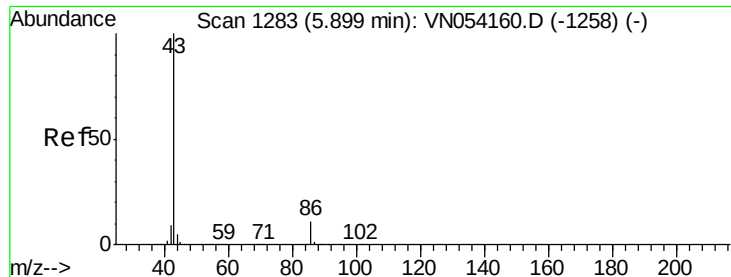
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#22
Diisopropyl ether
Concen: 48.451 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.1	48.2	72.2
87	32.5	24.9	37.3
59	12.5	9.5	14.3





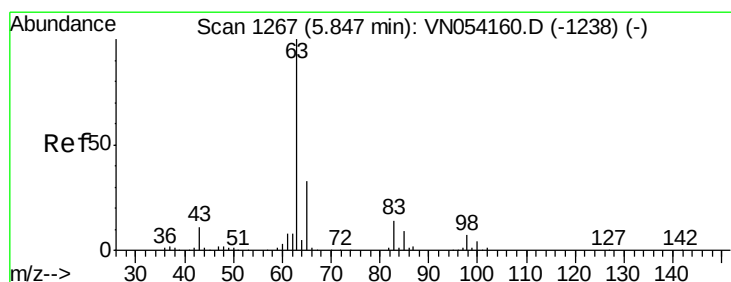
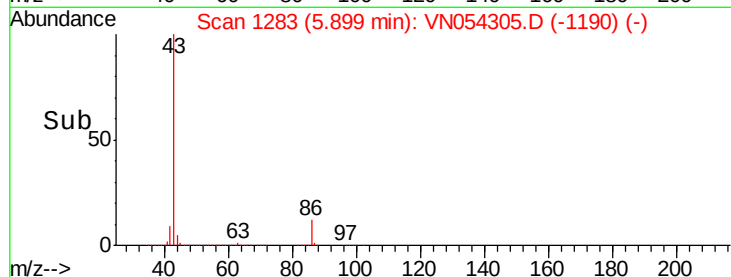
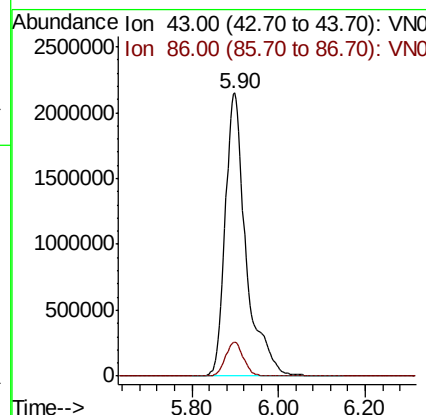
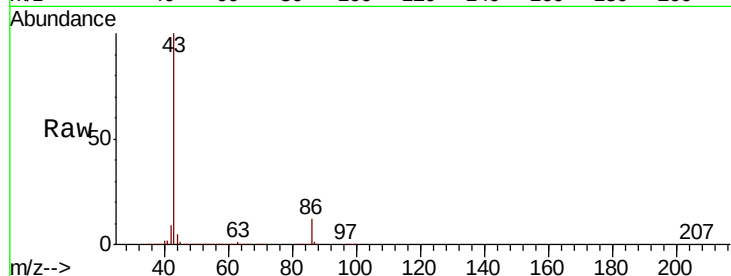
#23
 Vinyl Acetate
 Concen: 239.076 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 7225299
 Ion Ratio Lower Upper
 43 100
 86 12.0 9.1 13.7

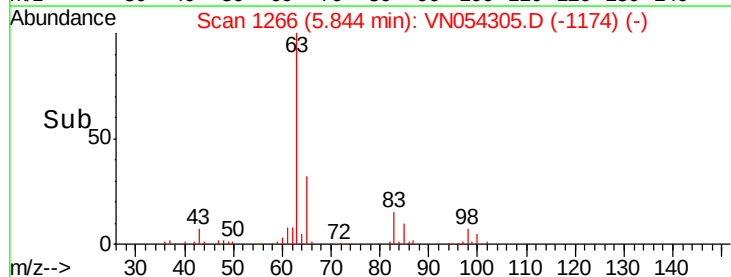
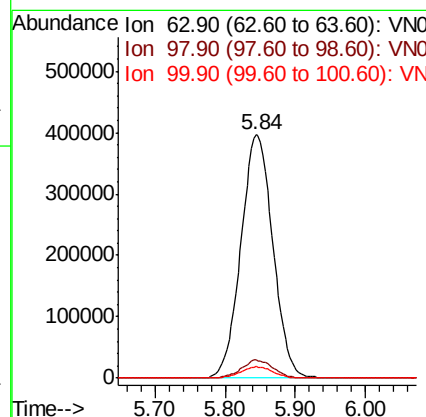
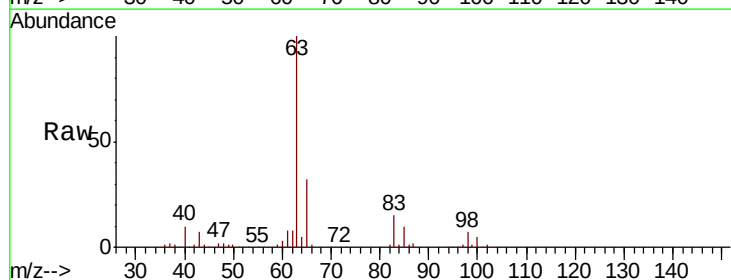
Manual Integrations
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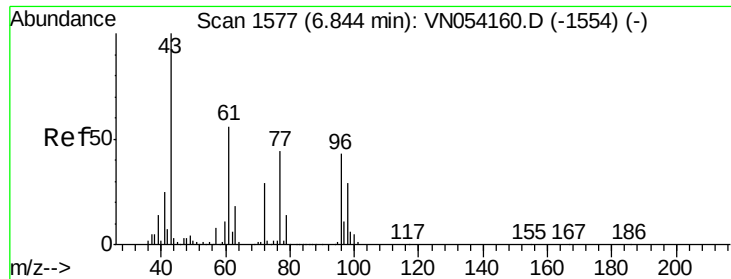
MMDadoda
 3/16/2019 11:08:58 AM



#24
 1,1-Dichloroethane
 Concen: 47.569 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Tgt Ion: 63 Resp: 1251941
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.5 10.5
 100 4.7 2.0 6.0





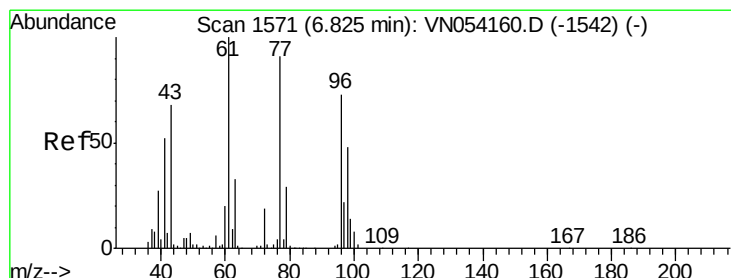
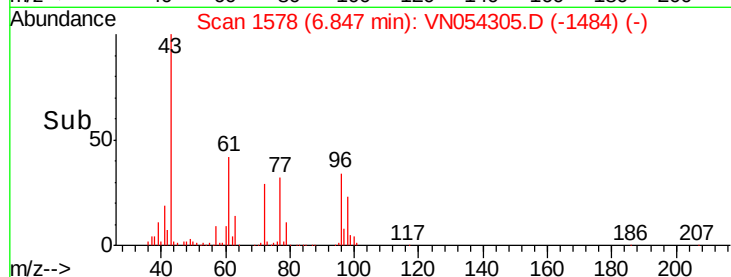
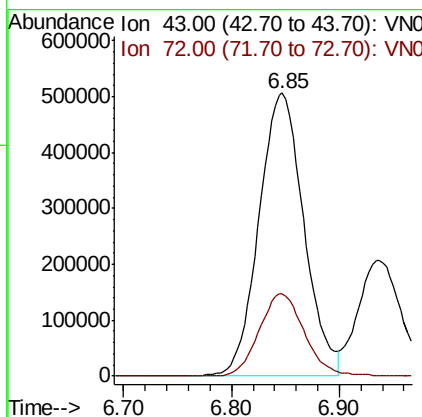
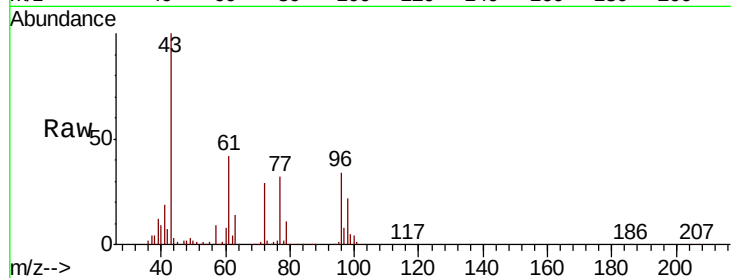
#25
2-Butanone
Concen: 264.301 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1453369
Ion Ratio Lower Upper
43 100
72 29.2 23.0 34.6

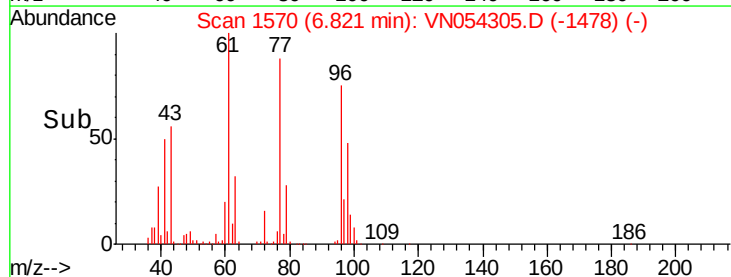
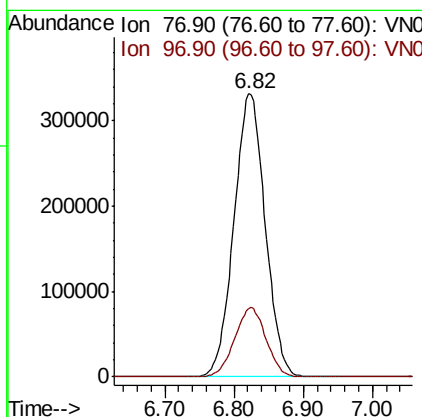
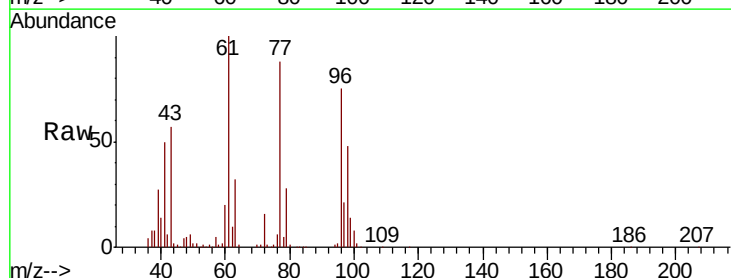
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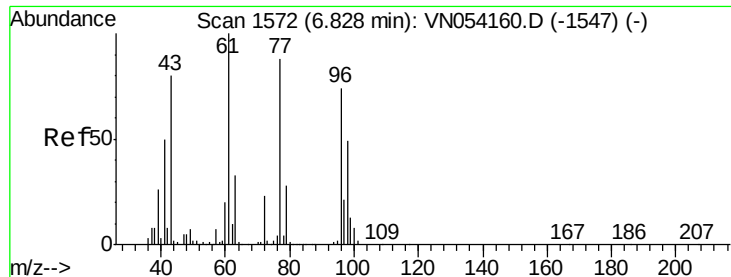
MMDadoda
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#26
2,2-Dichloropropane
Concen: 44.995 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Tgt Ion: 77 Resp: 1041396
Ion Ratio Lower Upper
77 100
97 24.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 49.901 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Instrument :

MSVOA_N

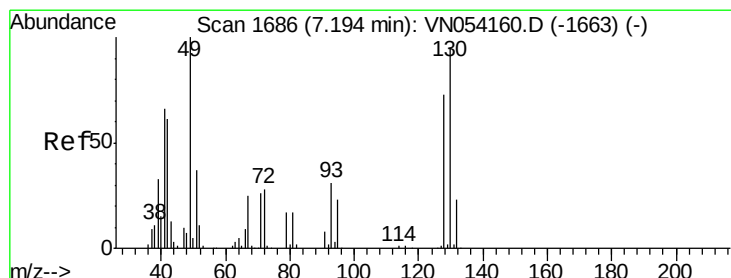
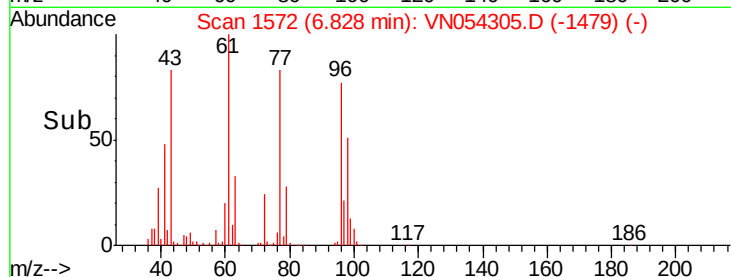
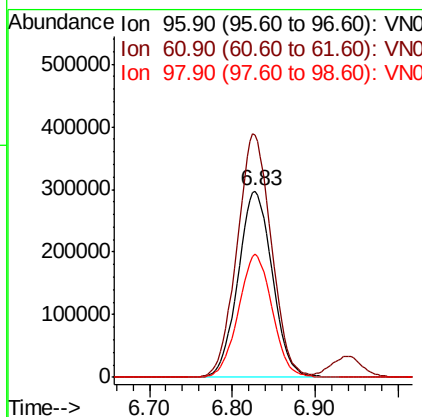
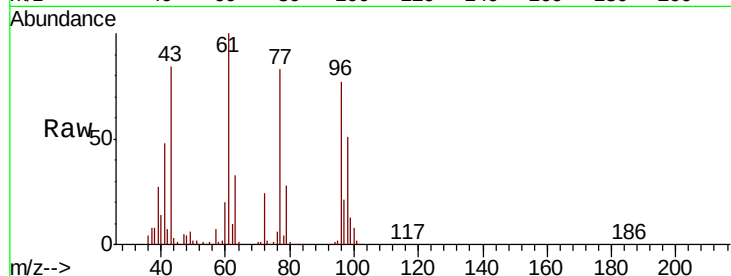
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	853800
Ion	Ratio	Lower	Upper
96	100		
61	130.7	0.0	273.0
98	65.1	0.0	130.6

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#28

Bromochloromethane

Concen: 45.769 ug/l

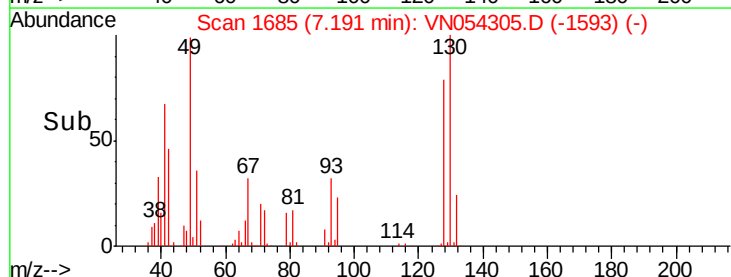
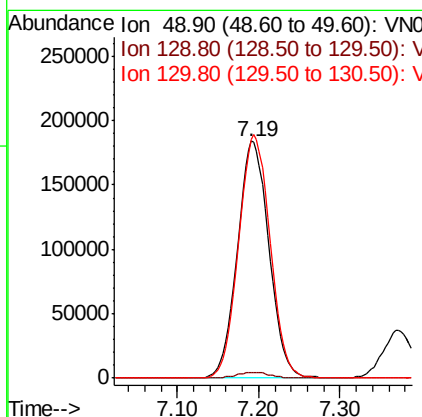
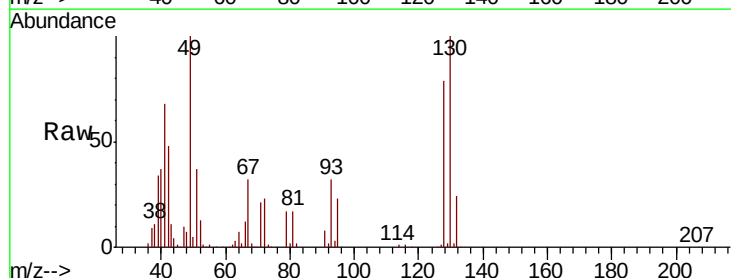
RT: 7.19 min Scan# 1685

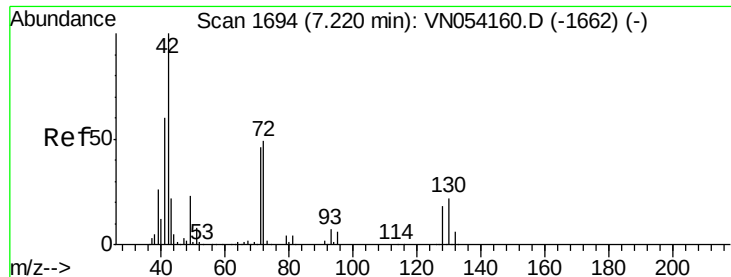
Delta R.T. -0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Tgt Ion:	49	Resp:	492439
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.6
130	102.2	76.7	115.1





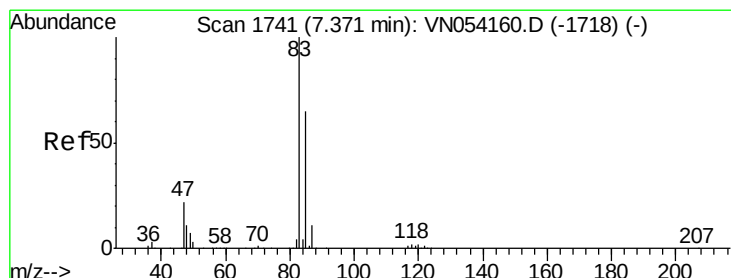
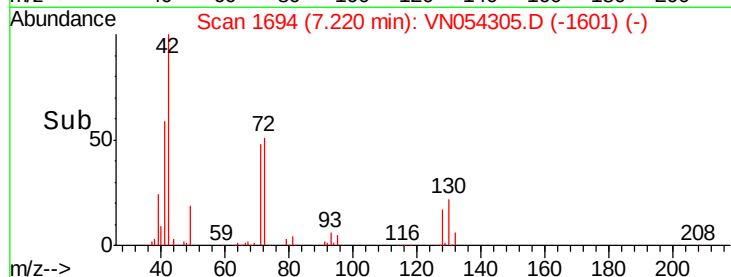
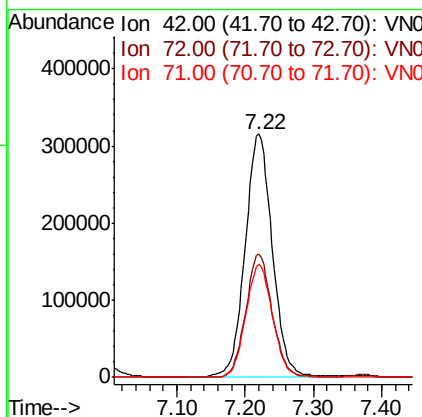
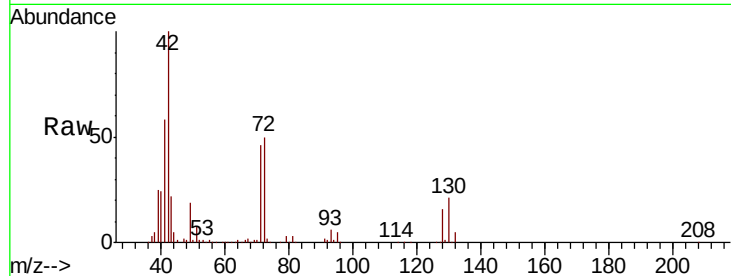
#29
Tetrahydrofuran
Concen: 246.224 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	49.6	37.8	56.6
71	45.8	36.2	54.2

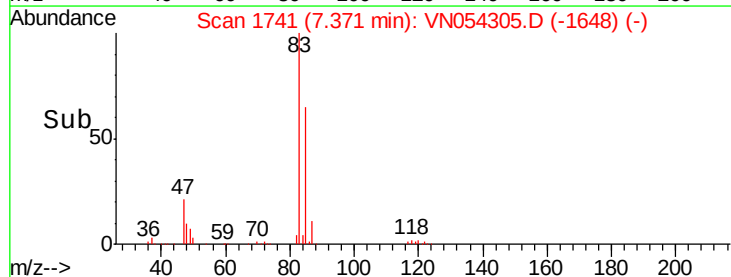
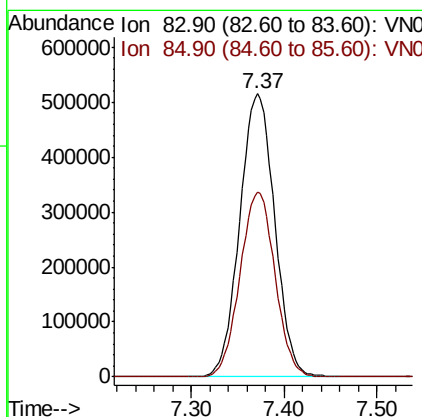
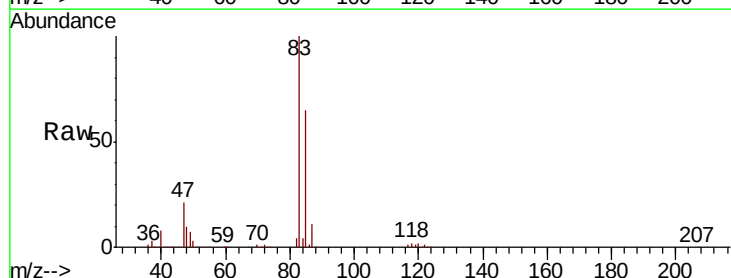
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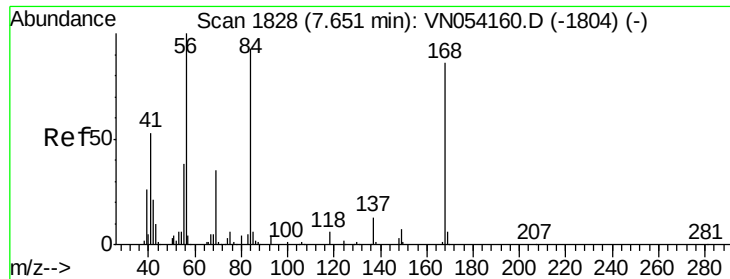
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#30
Chloroform
Concen: 49.138 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4





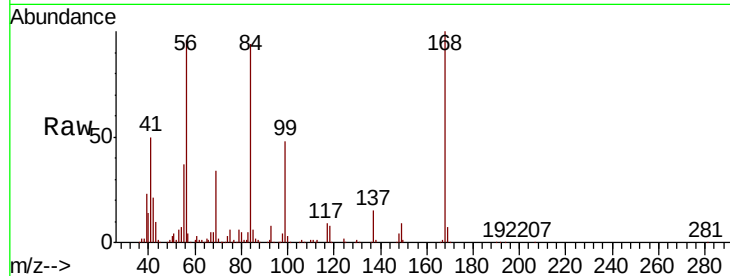
#31
Cyclohexane
Concen: 46.125 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

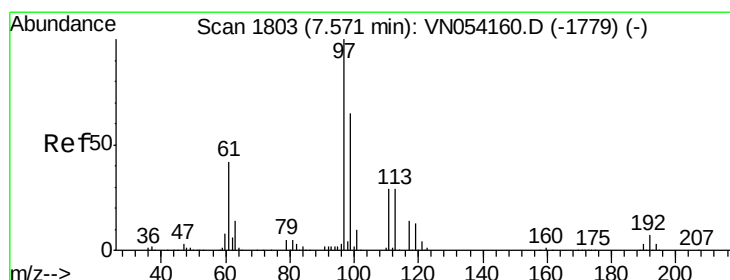
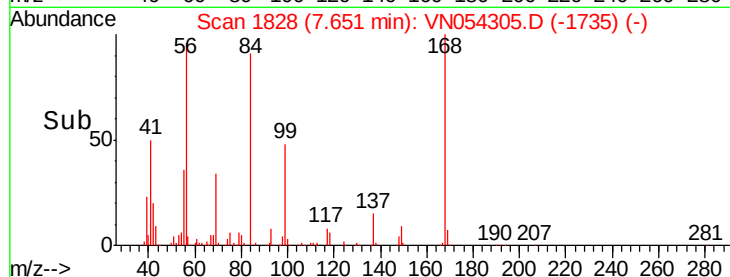
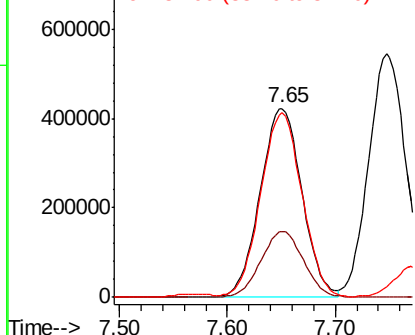
Tgt Ion: 56 Resp: 1137267
Ion Ratio Lower Upper
56 100
69 35.0 27.8 41.6
84 96.2 74.6 111.8

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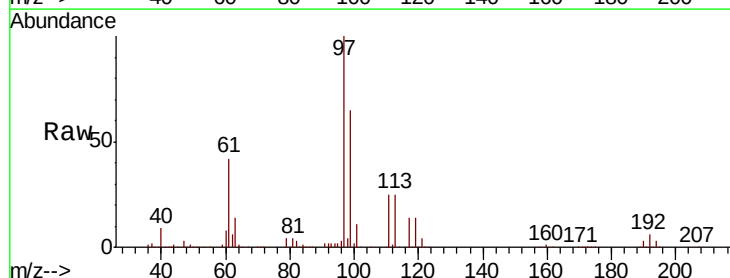


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

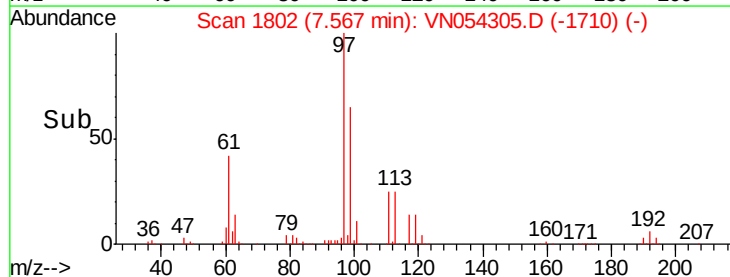
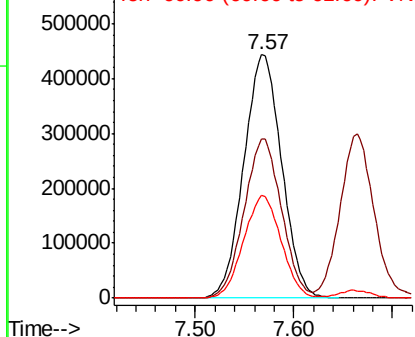


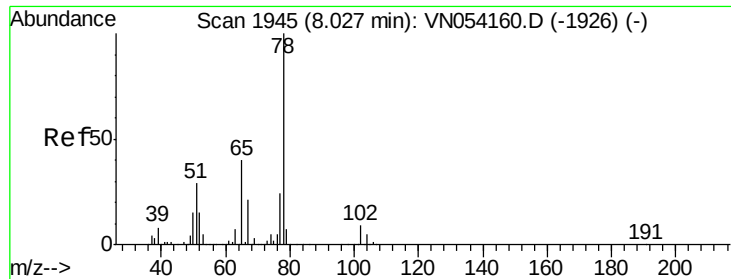
#32
1,1,1-Trichloroethane
Concen: 47.507 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Tgt Ion: 97 Resp: 1178304
Ion Ratio Lower Upper
97 100
99 64.7 51.5 77.3
61 41.8 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





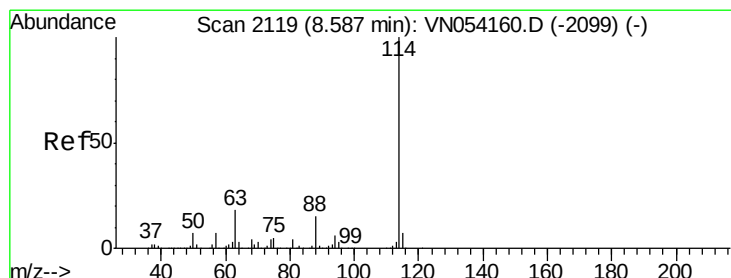
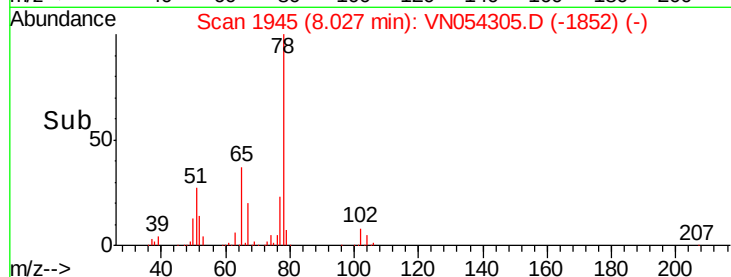
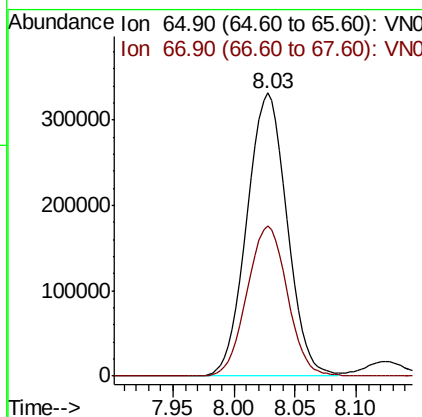
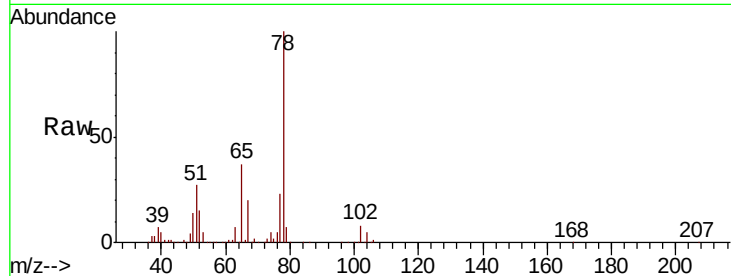
#33
 1,2-Dichloroethane-d4
 Concen: 46.217 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 756262
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 104.6

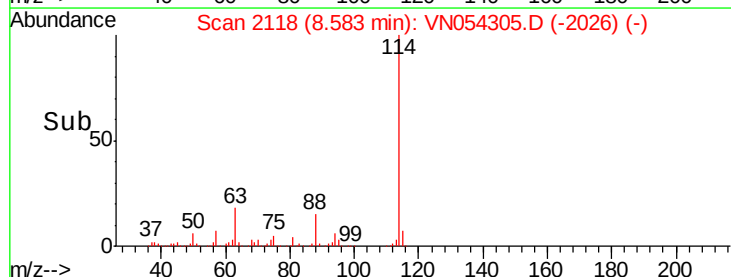
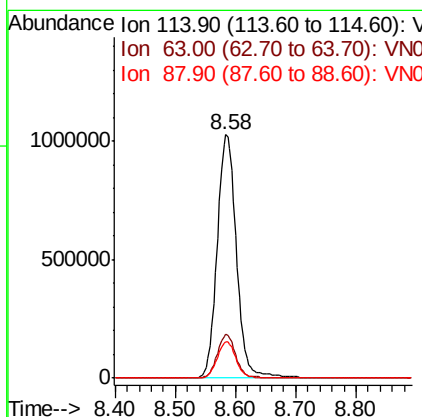
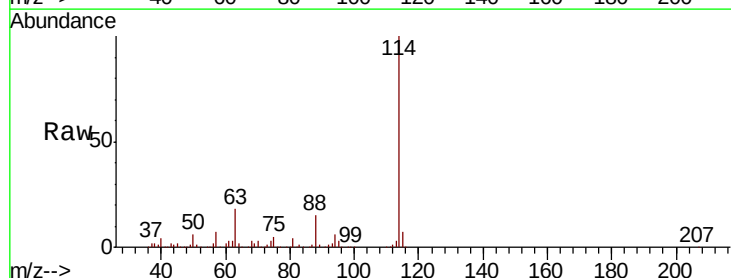
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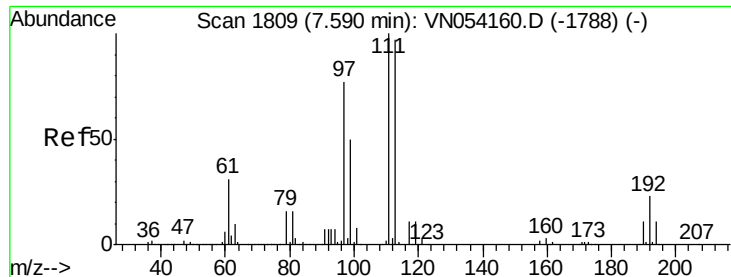
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Tgt Ion: 114 Resp: 2251238
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.2
 88 14.9 0.0 30.2





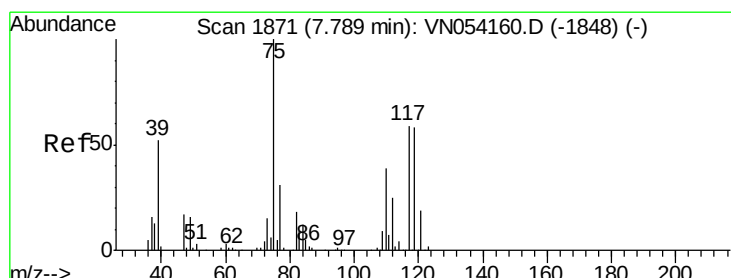
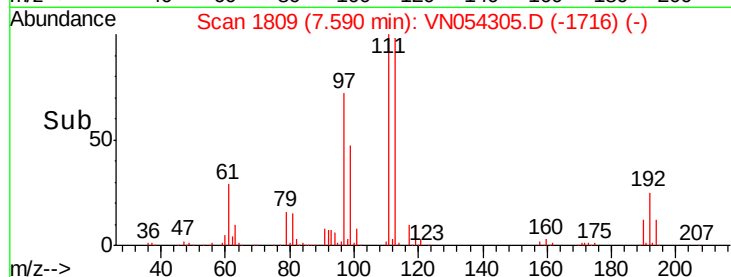
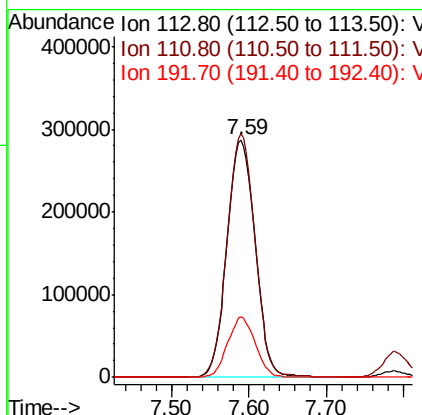
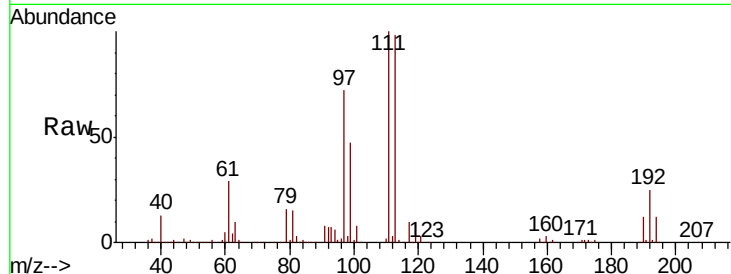
#35
Dibromofluoromethane
Concen: 50.005 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	726052		
111	101.6	82.2	123.4	
192	24.6	19.2	28.8	

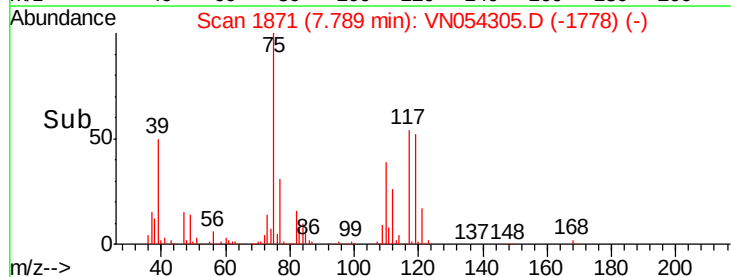
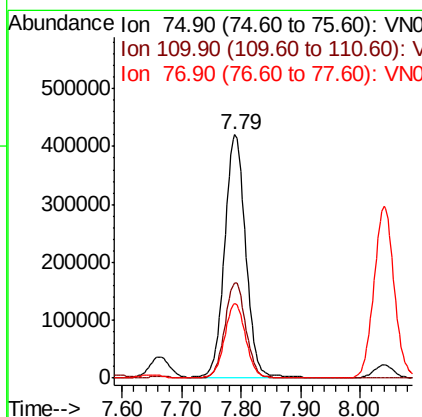
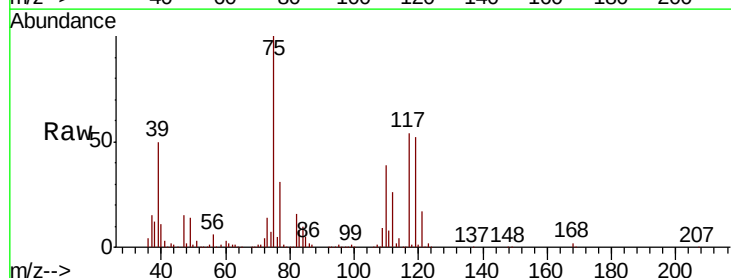
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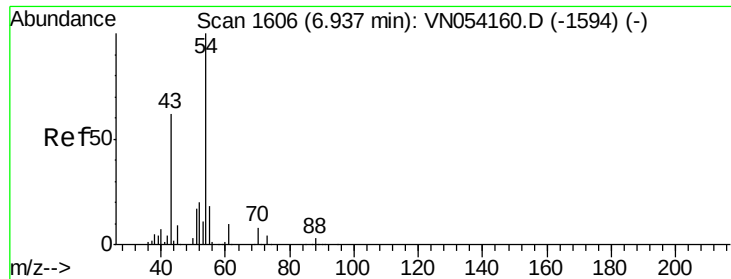
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#36
1,1-Dichloropropene
Concen: 49.934 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1035241		
110	38.7	19.1	57.5	
77	30.7	25.0	37.4	





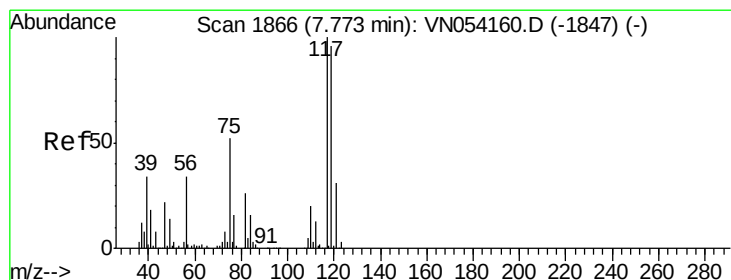
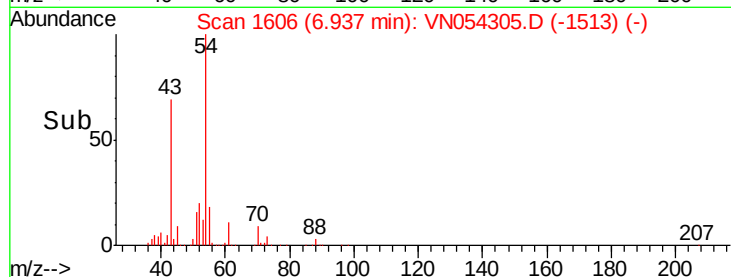
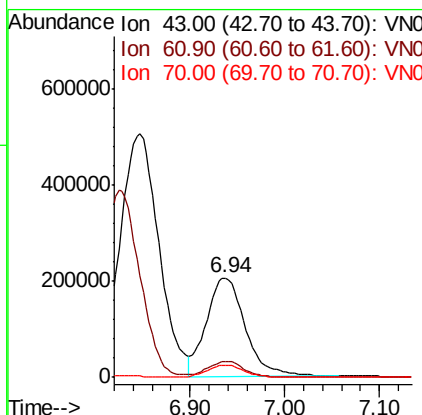
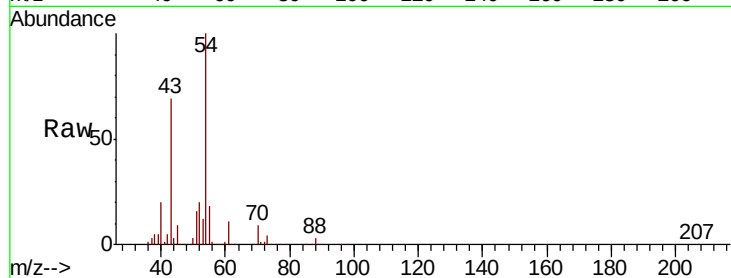
#37
Ethyl Acetate
 Concen: 49.061 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. 0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.6
70	11.4	8.4	12.6

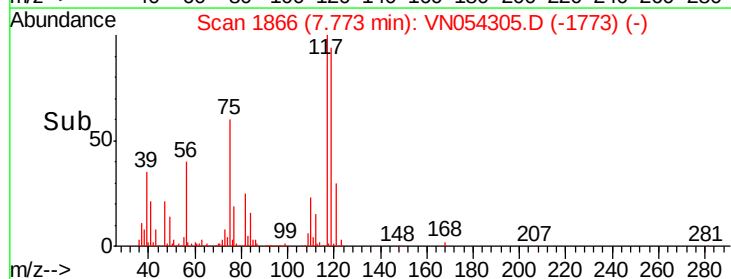
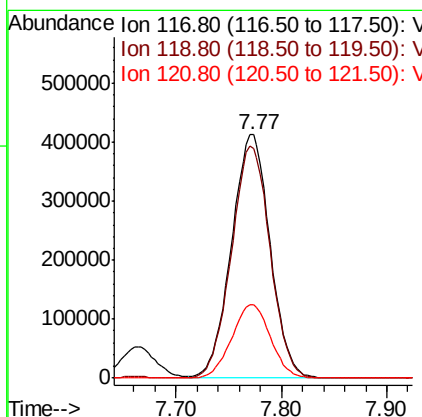
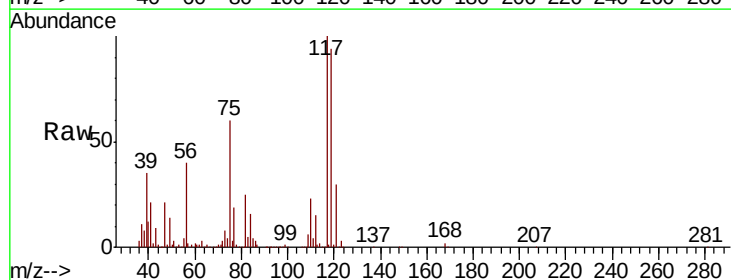
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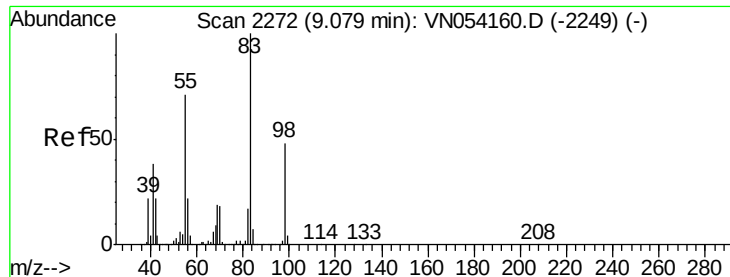
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#38
Carbon Tetrachloride
 Concen: 48.078 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.3	114.5
121	30.1	24.6	36.8





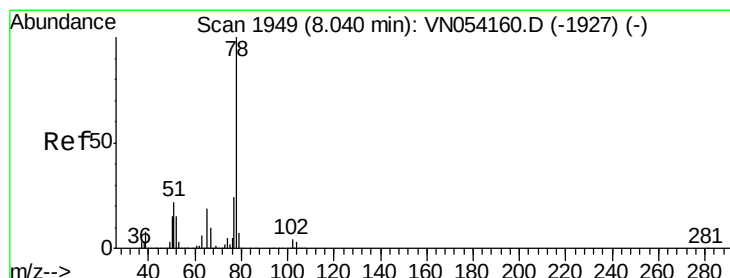
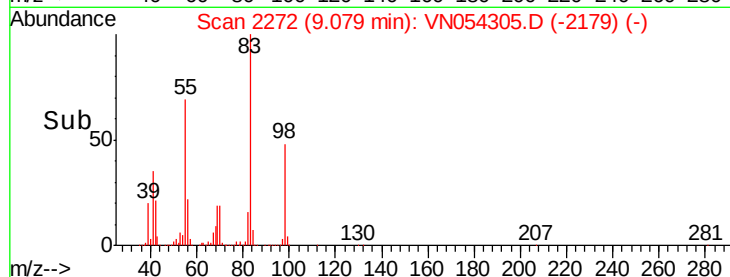
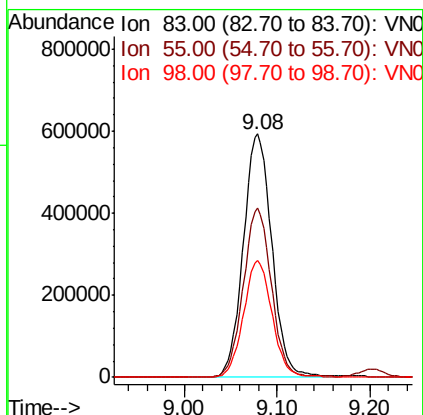
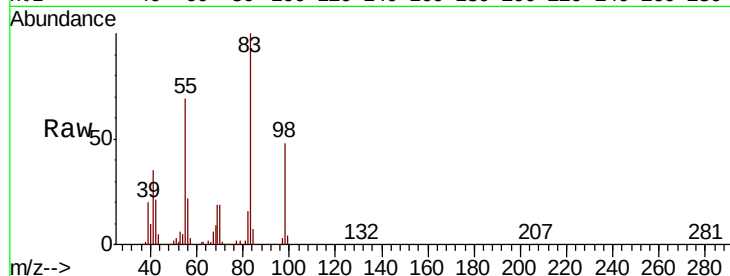
#39
Methylcyclohexane
Concen: 49.732 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	69.5	56.6	84.8
98	48.0	38.4	57.6

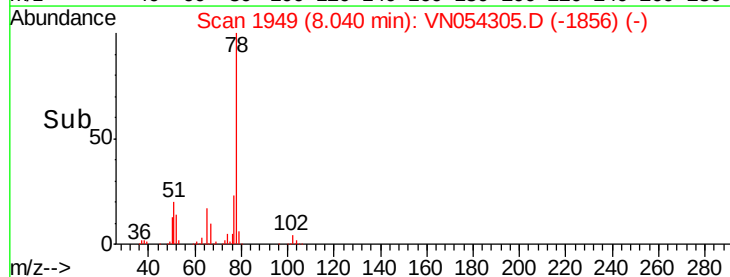
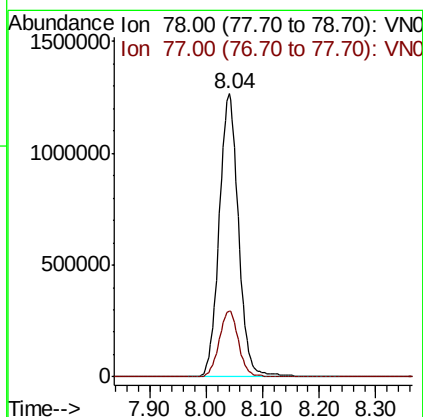
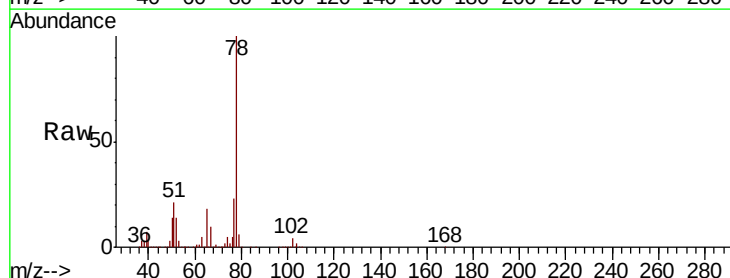
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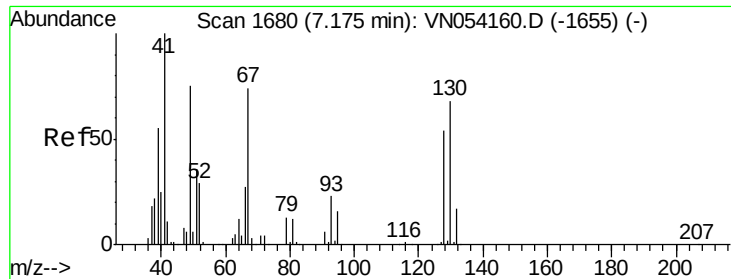
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#40
Benzene
Concen: 50.603 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





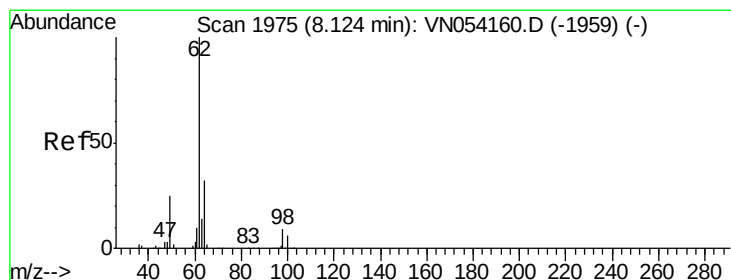
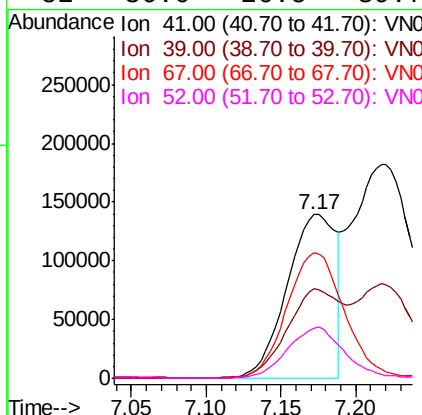
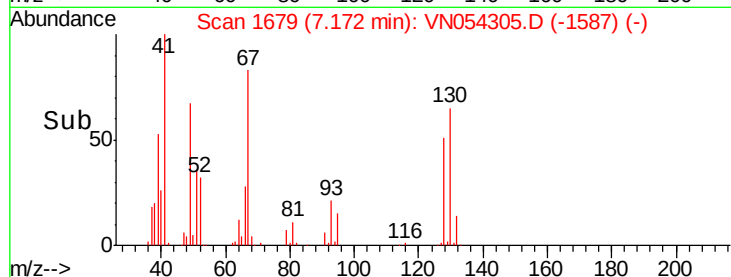
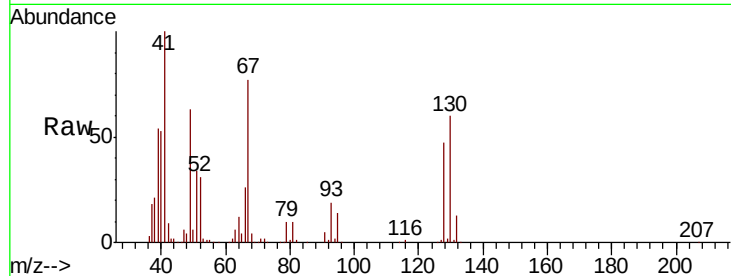
#41
Methacrylonitrile
Concen: 46.145 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.3	46.8	70.2
67	92.3	67.0	100.4
52	36.0	26.5	39.7

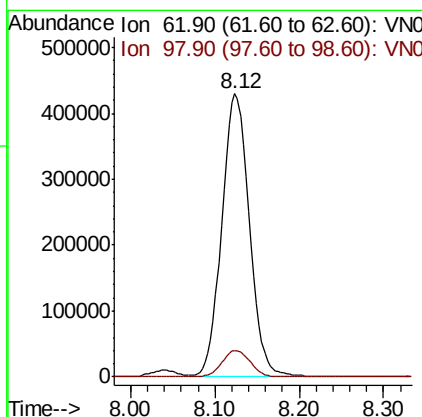
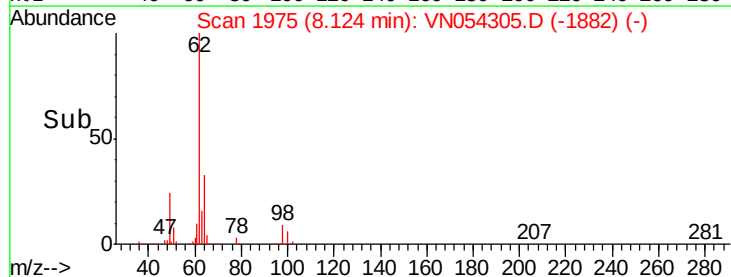
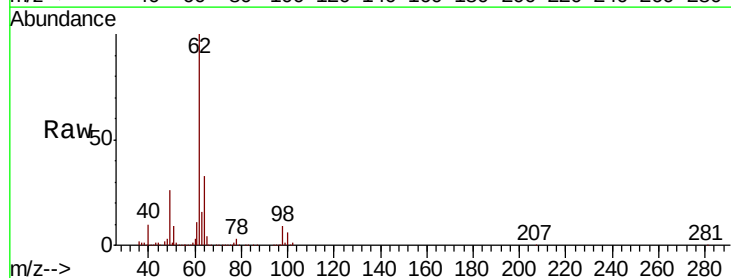
Manual Integrations
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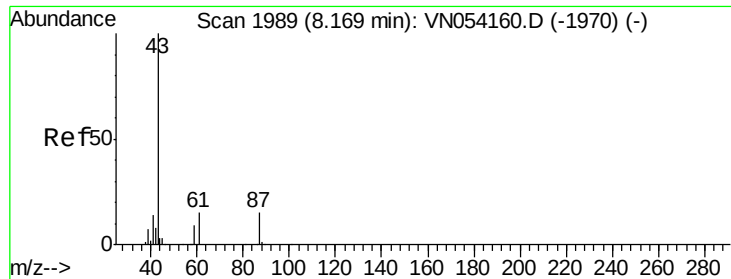
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.718 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.4





#43

Isopropyl Acetate

Concen: 48.967 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1023878

Ion Ratio Lower Upper

43 100

61 20.5 15.8 23.8

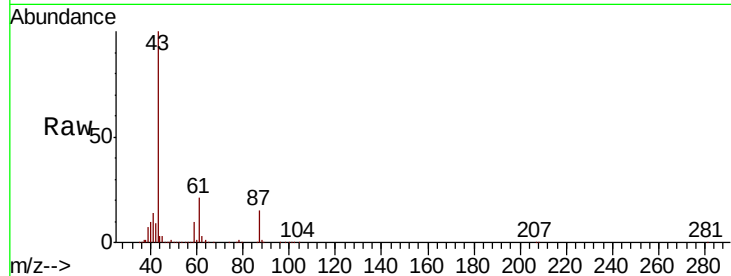
87 15.5 12.0 18.0

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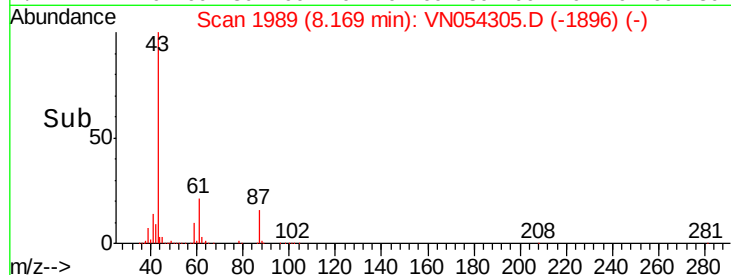


Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN054160.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN054160.D (-1970) (-)

Time-->

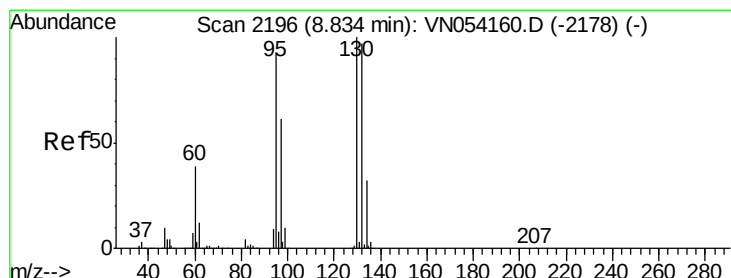


Abundance Ion 43.00 (42.70 to 43.70): VN054305.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054305.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054305.D (-1896) (-)

Time-->



#44

Trichloroethene

Concen: 50.792 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054305.D

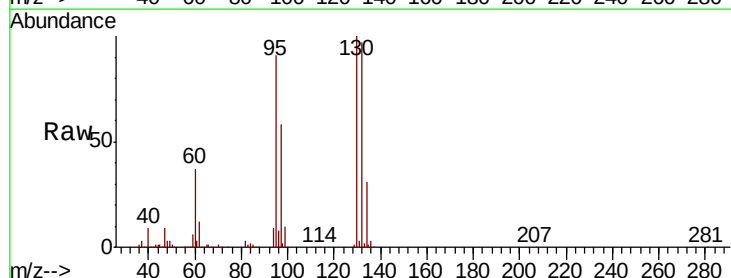
Acq: 15 Mar 2019 12:38

Tgt Ion: 130 Resp: 936090

Ion Ratio Lower Upper

130 100

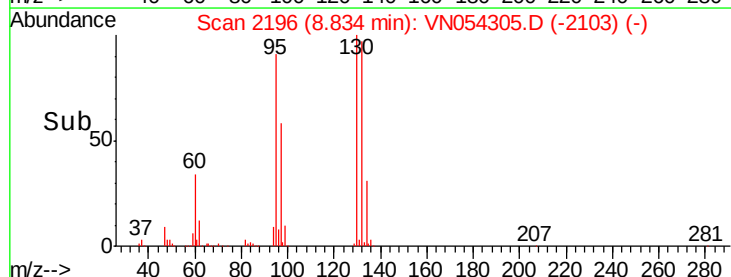
95 91.0 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054160.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN054160.D (-2178) (-)

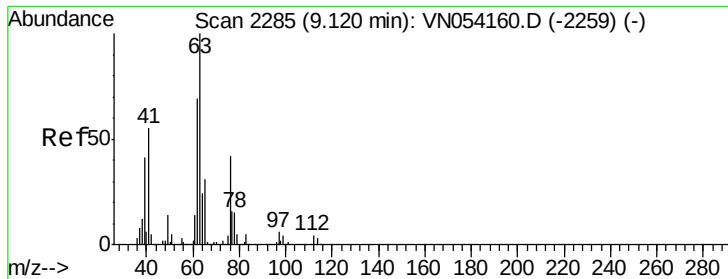
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN054305.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054305.D (-2103) (-)

Time-->



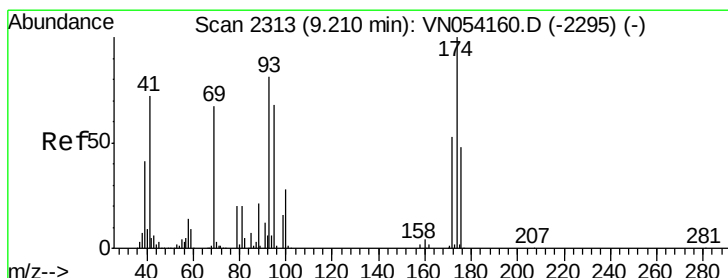
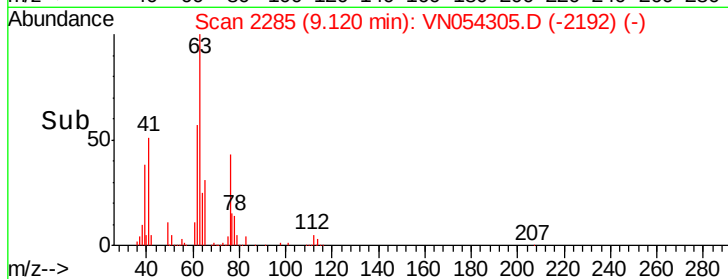
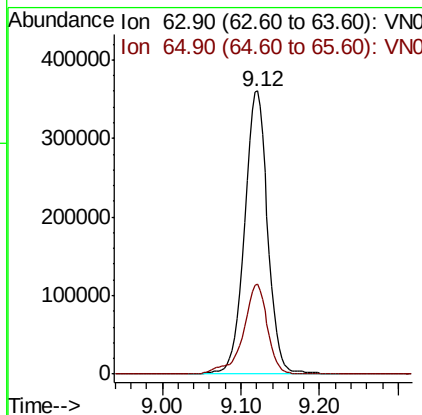
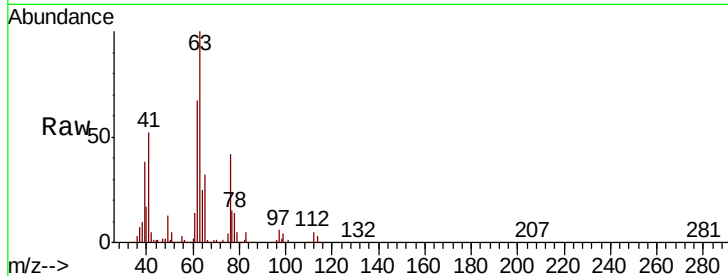
#45
 1,2-Dichloropropane
 Concen: 50.722 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.0	37.6

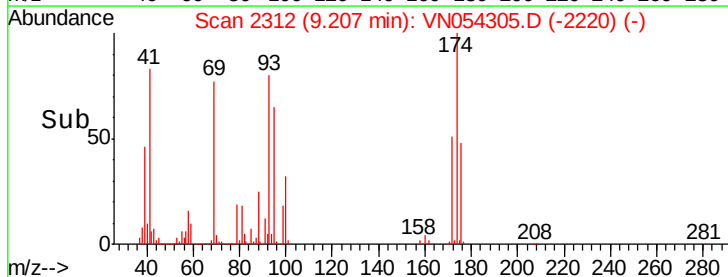
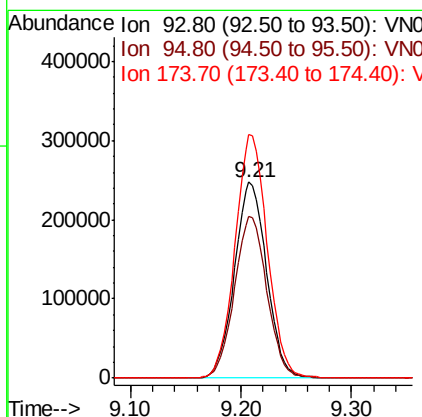
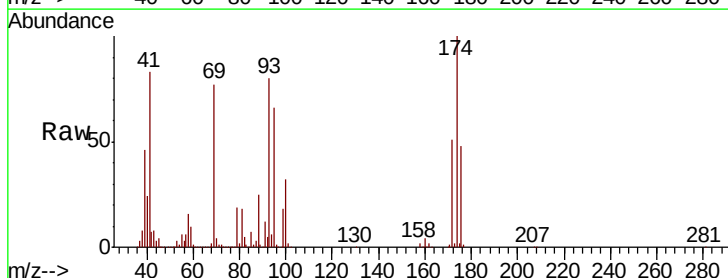
Manual Integrations
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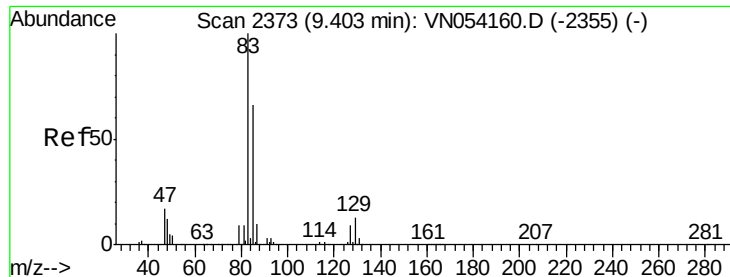
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#46
 Dibromomethane
 Concen: 50.204 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.7	100.1
174	124.7	98.5	147.7





#47

Bromodichloromethane

Concen: 49.625 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Instrument :

MSVOA_N

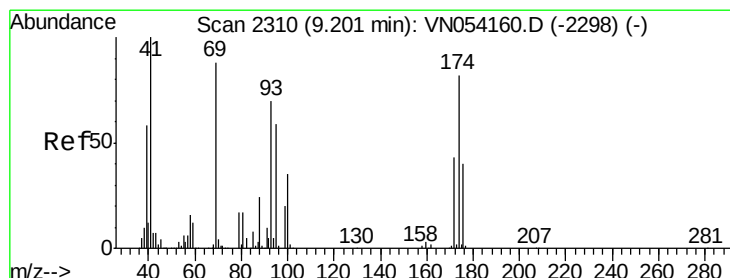
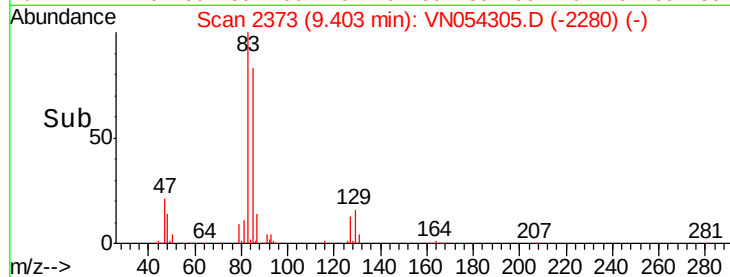
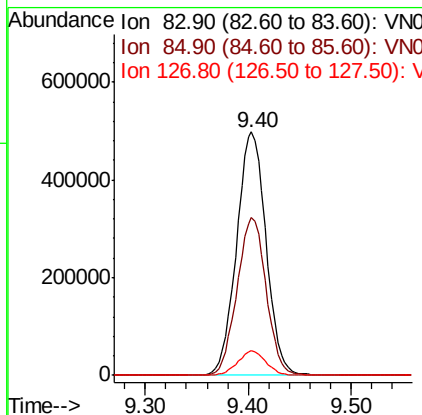
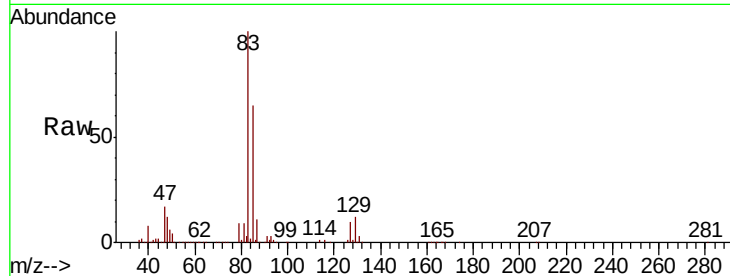
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	990214
Ion Ratio	Lower	Upper	
83	100		
85	64.7	52.8	79.2
127	10.2	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.978 ug/l

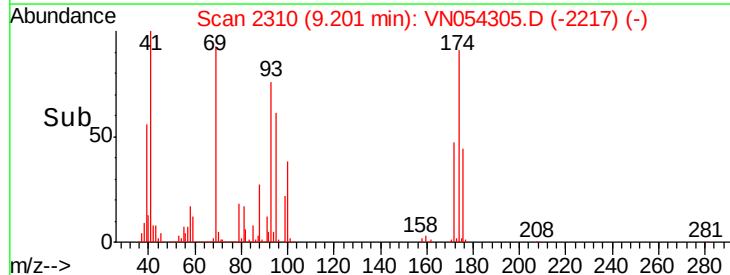
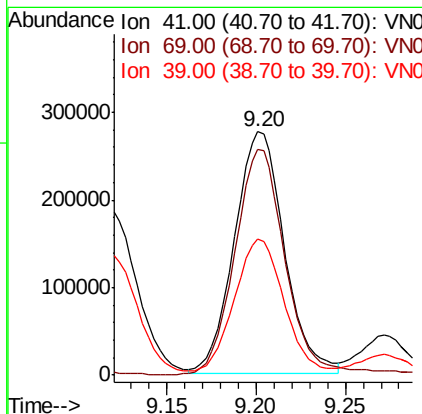
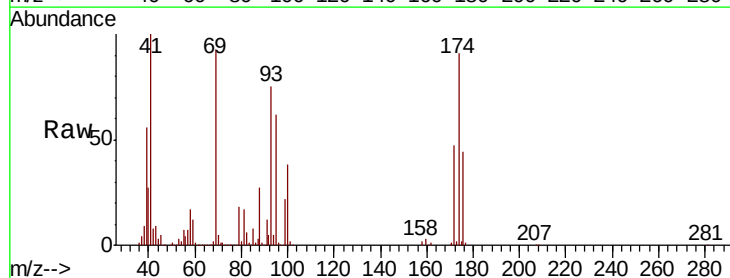
RT: 9.20 min Scan# 2310

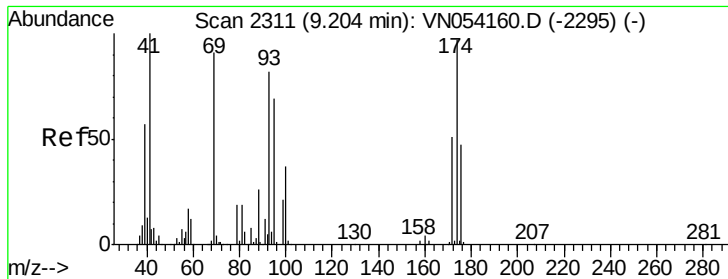
Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Tgt Ion:	41	Resp:	540939
Ion Ratio	Lower	Upper	
41	100		
69	94.0	72.6	108.8
39	56.4	47.5	71.3





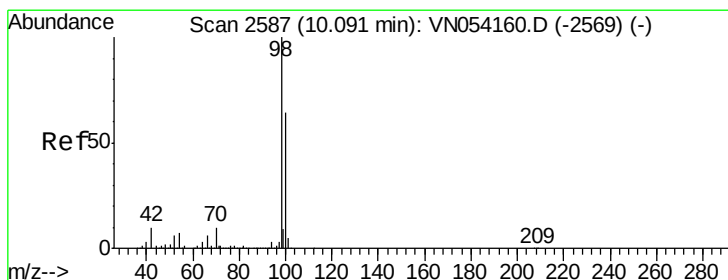
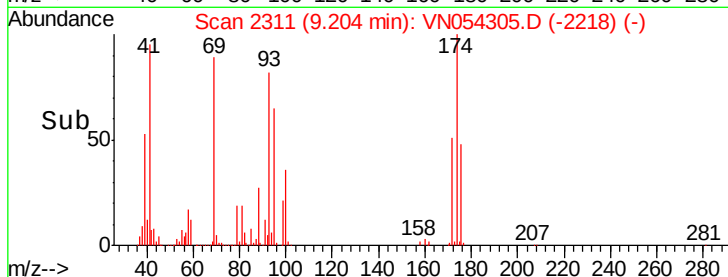
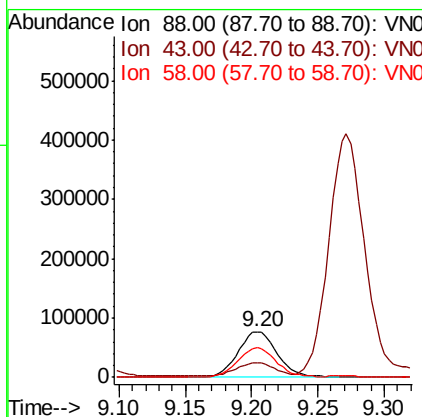
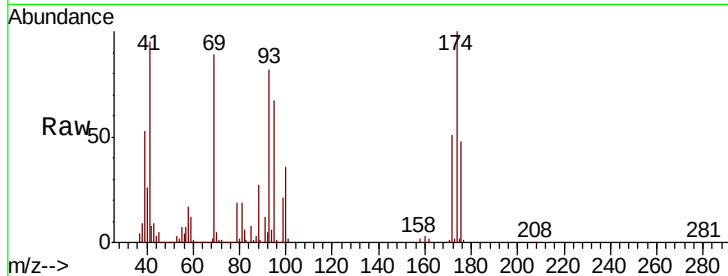
#49
1,4-Dioxane
Concen: 1053.099 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	28.8	24.1	36.1
58	64.3	50.8	76.2

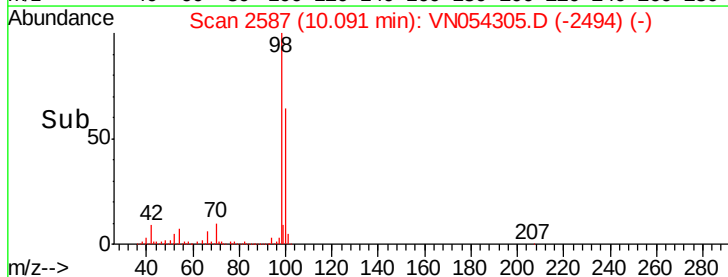
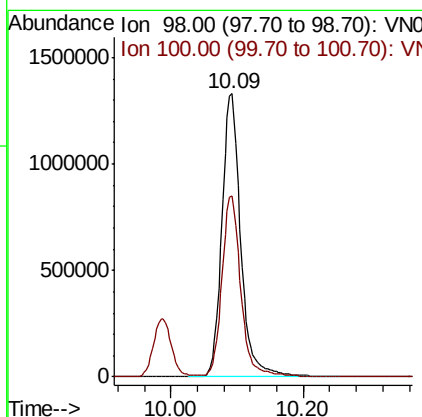
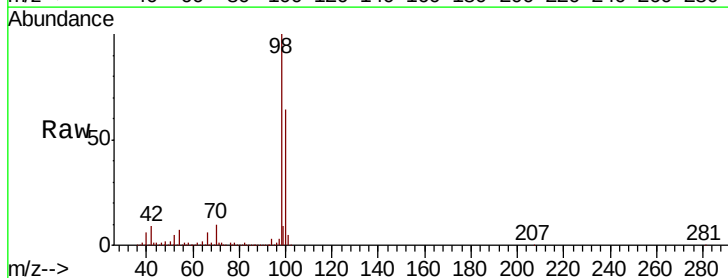
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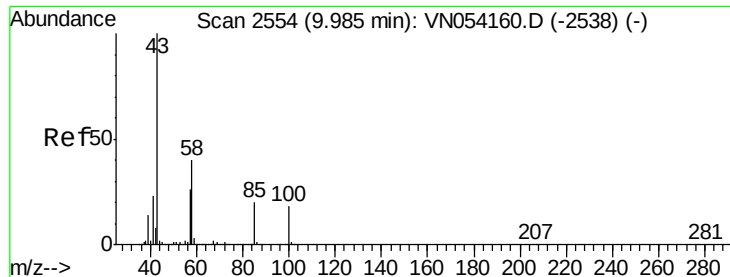
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#50
Toluene-d8
Concen: 48.973 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 262.177 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 2901098

Ion Ratio Lower Upper

43 100

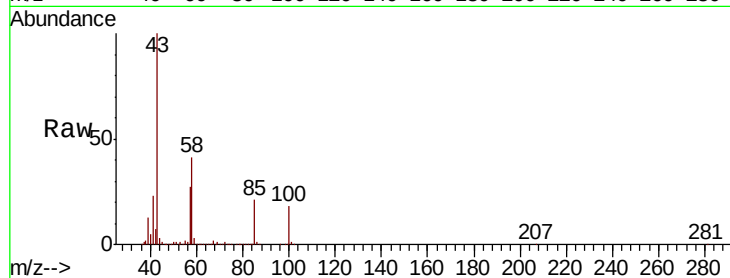
58 40.9 31.8 47.6

Manual Integrations

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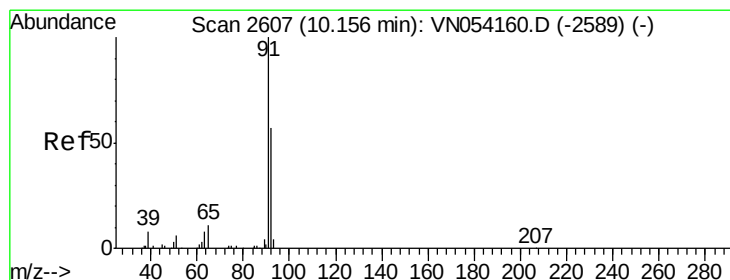
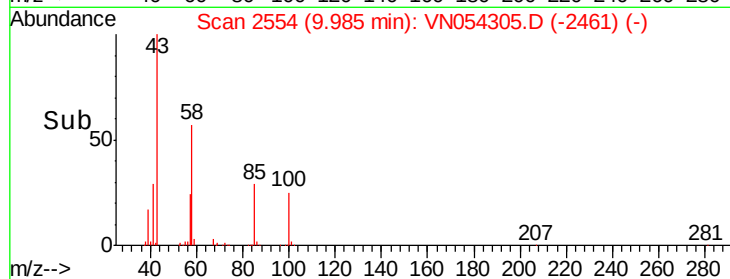
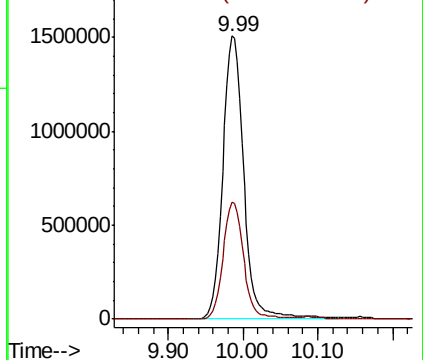
MMDadoda

3/16/2019 11:08:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.592 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054305.D

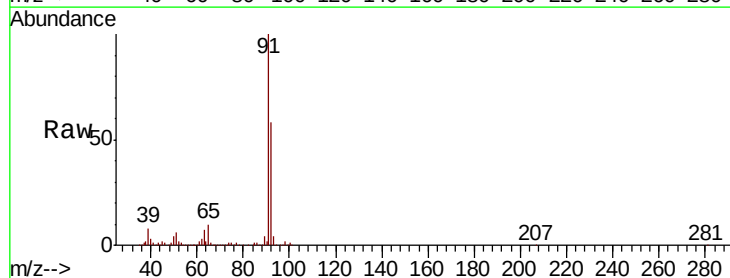
Acq: 15 Mar 2019 12:38

Tgt Ion: 92 Resp: 1940756

Ion Ratio Lower Upper

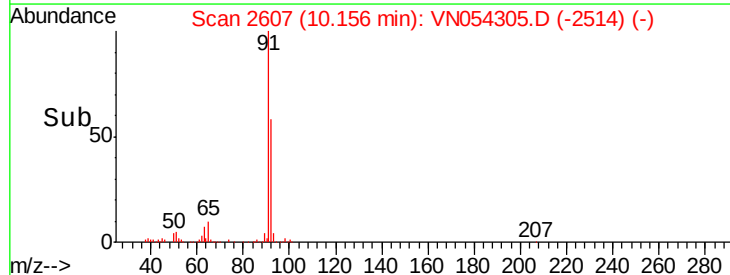
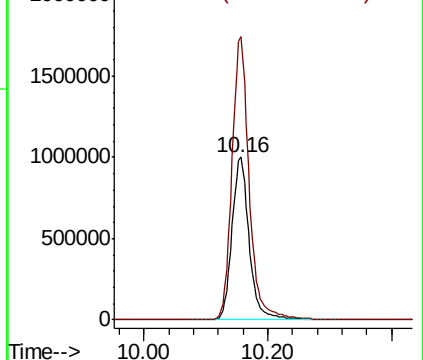
92 100

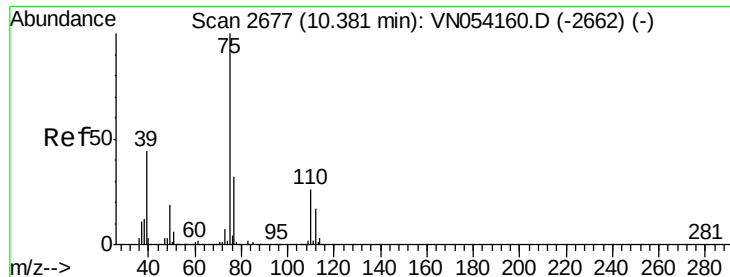
91 173.5 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 43.615 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 989372

Ion Ratio Lower Upper

75 100

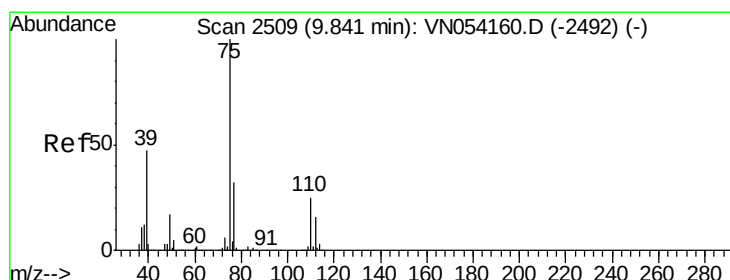
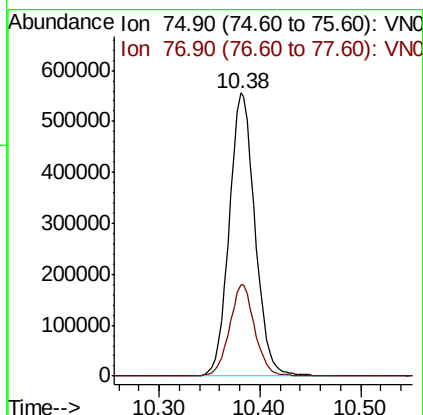
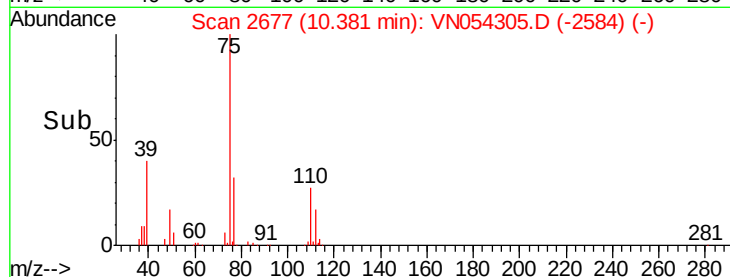
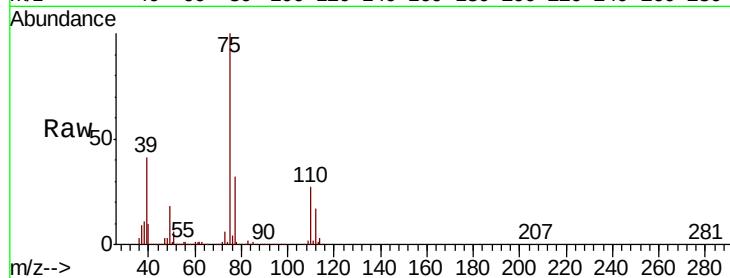
77 32.1 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 50.206 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

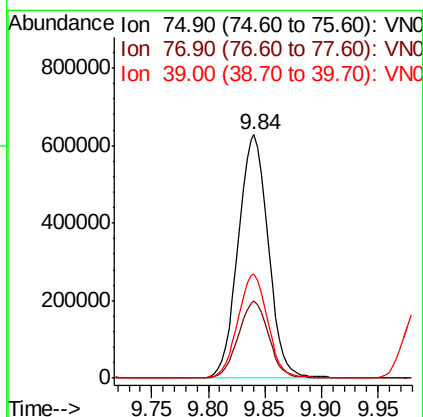
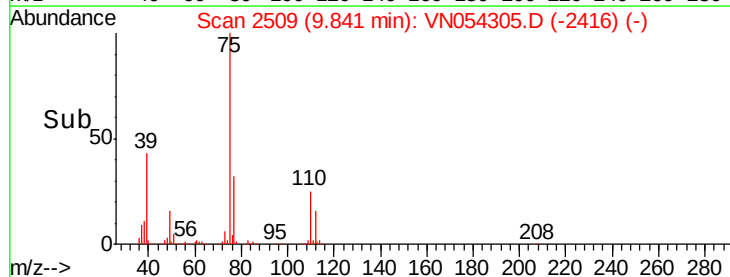
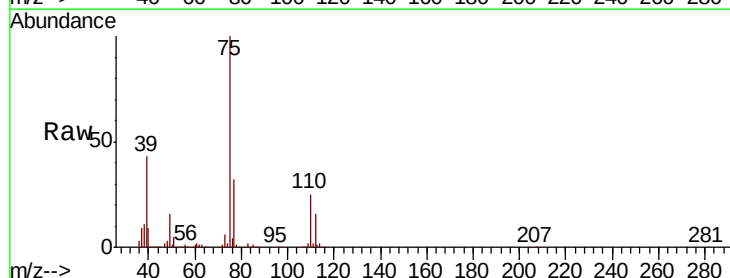
Tgt Ion: 75 Resp: 1167423

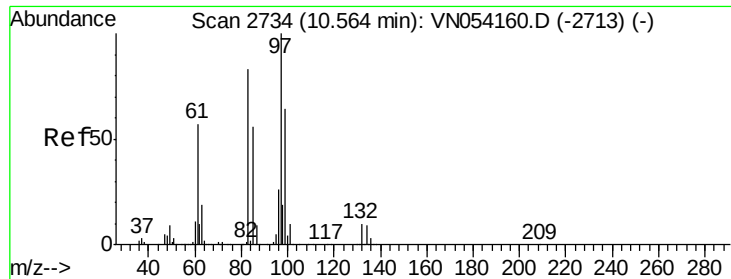
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

39 42.9 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 52.081 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Instrument :

MSVOA_N

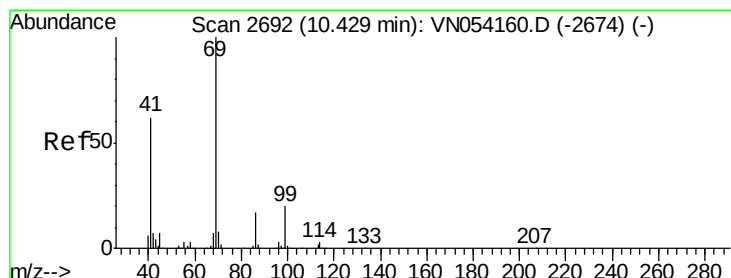
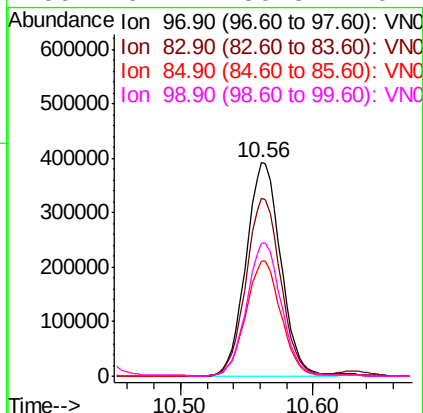
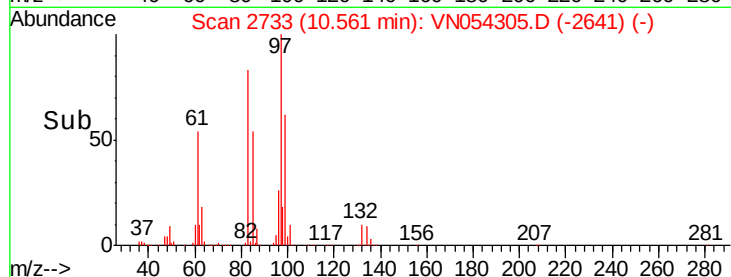
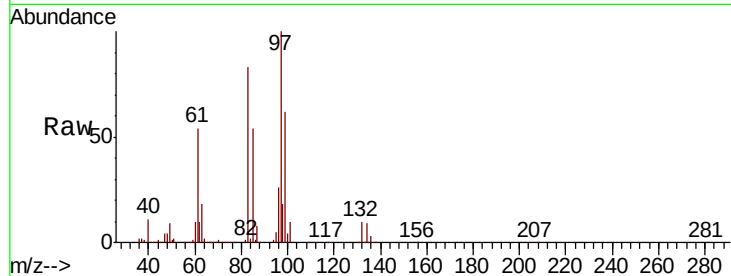
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.1	66.6	100.0
85	53.7	44.4	66.6
99	62.2	50.8	76.2

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#56

Ethyl methacrylate

Concen: 52.783 ug/l

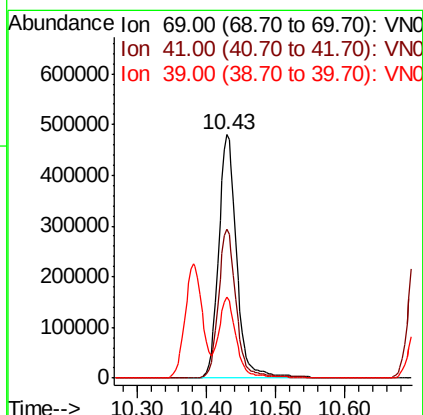
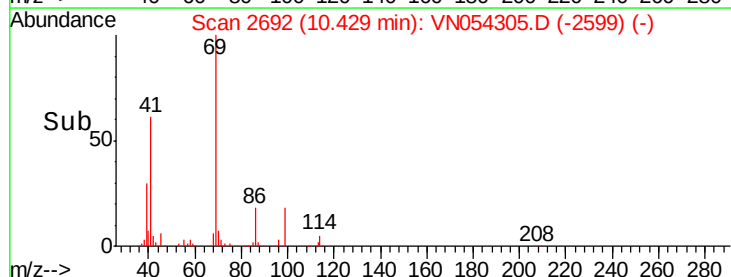
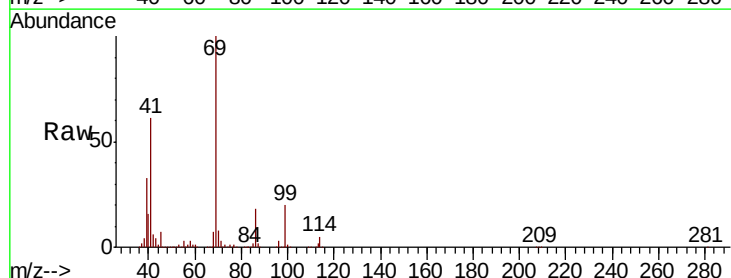
RT: 10.43 min Scan# 2692

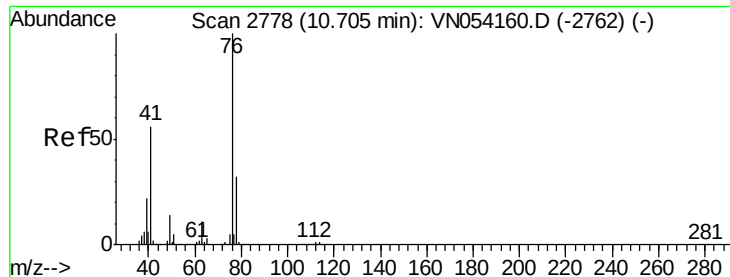
Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.1	49.4	74.2
39	32.0	28.3	42.5





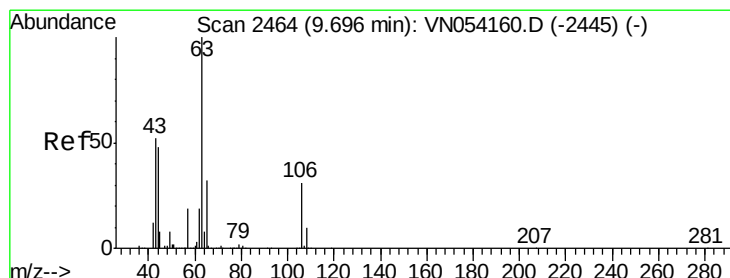
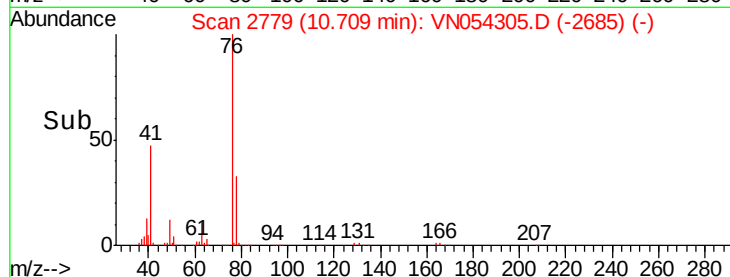
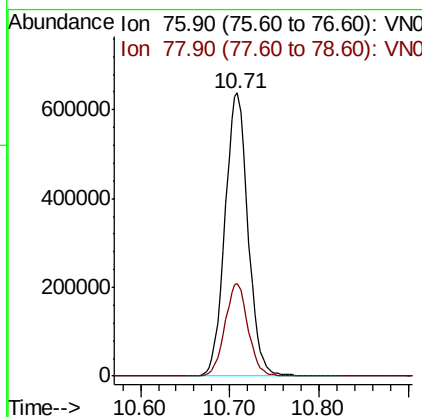
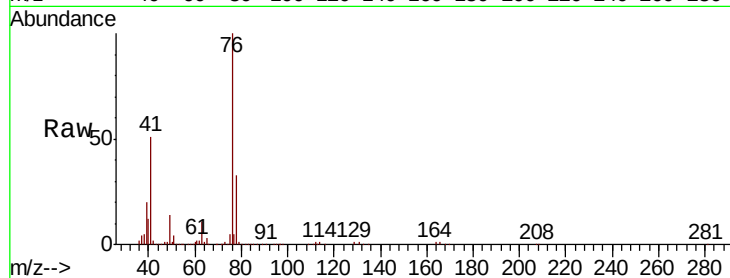
#57
 1,3-Dichloropropane
 Concen: 50.725 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 1139252
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.7 38.5

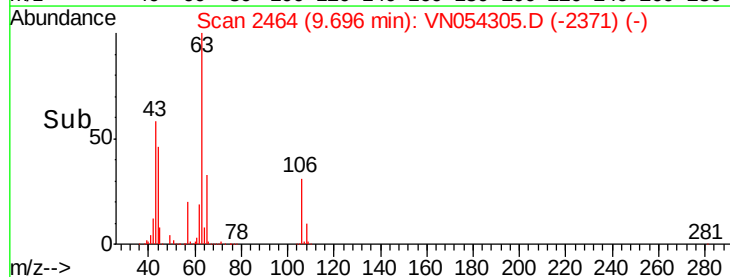
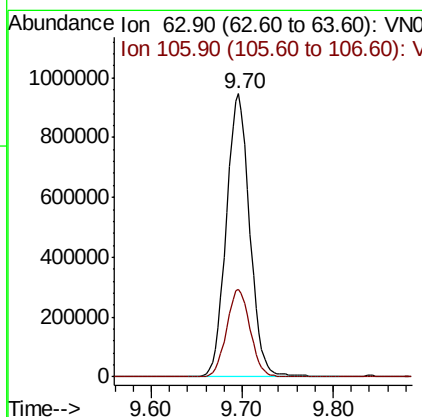
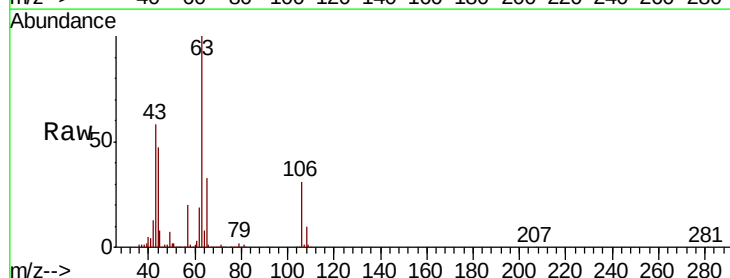
Manual Integrations
 APPROVED

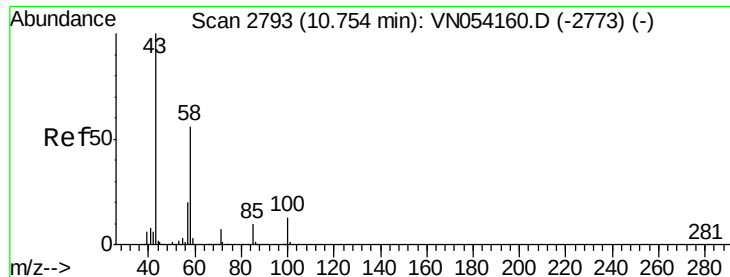
MMDadoda
 3/16/2019 11:08:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.823 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Tgt Ion: 63 Resp: 1698810
 Ion Ratio Lower Upper
 63 100
 106 31.2 24.4 36.6





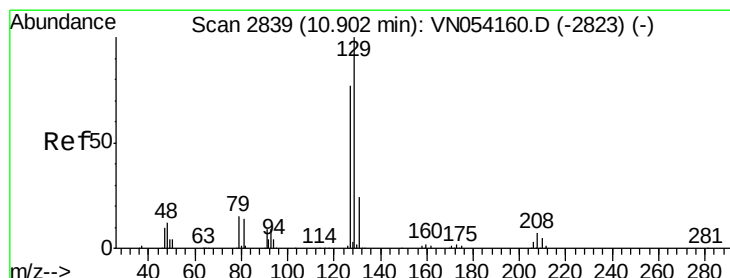
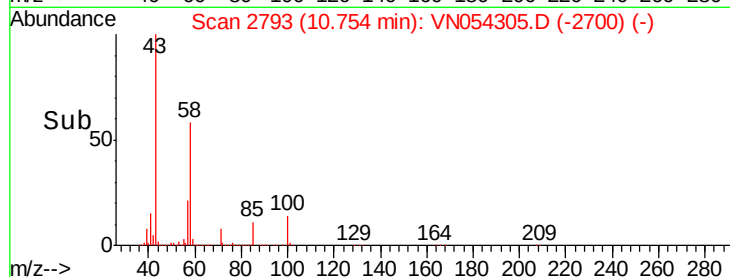
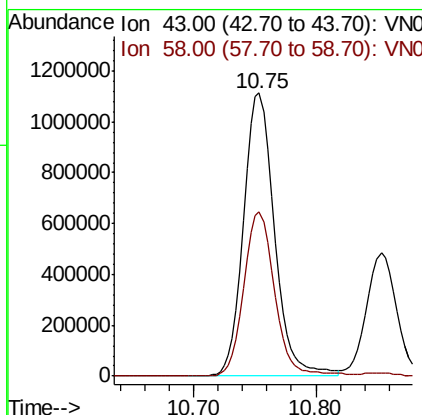
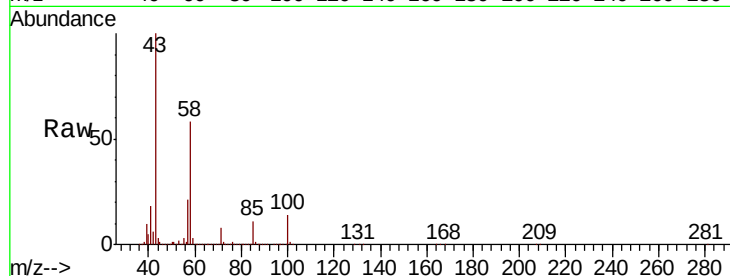
#59
2-Hexanone
Concen: 263.435 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1939648
Ion Ratio Lower Upper
43 100
58 58.1 28.0 83.9

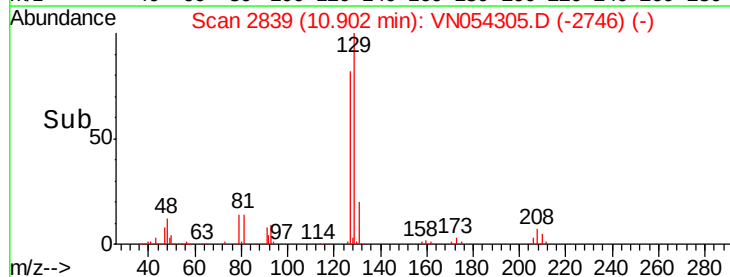
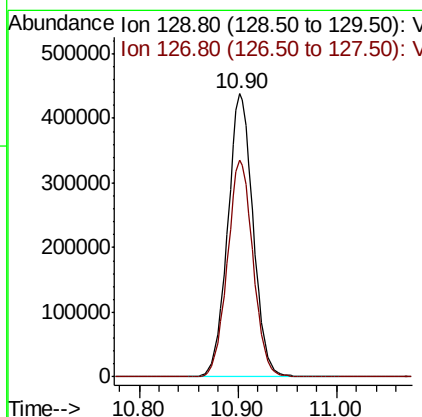
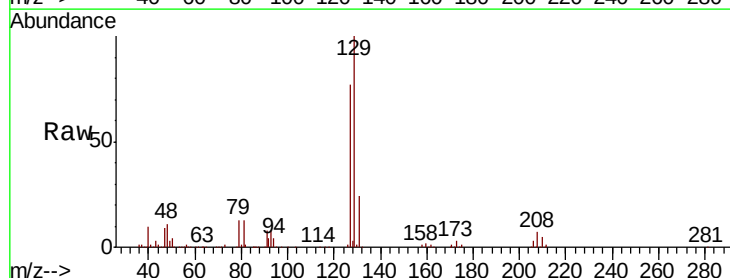
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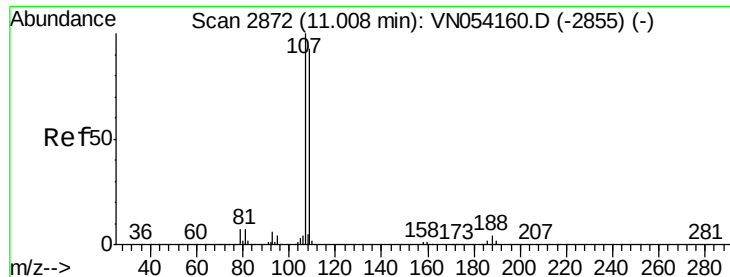
MMDadoda
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#60
Dibromochloromethane
Concen: 50.918 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Tgt Ion: 129 Resp: 787193
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





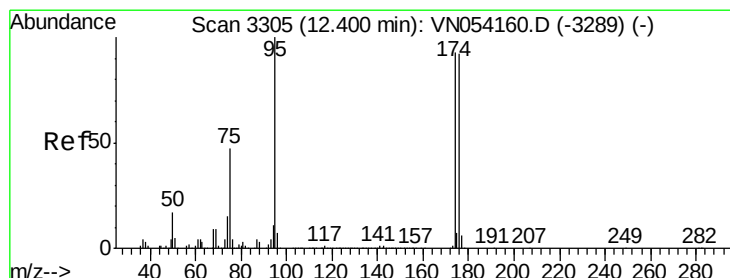
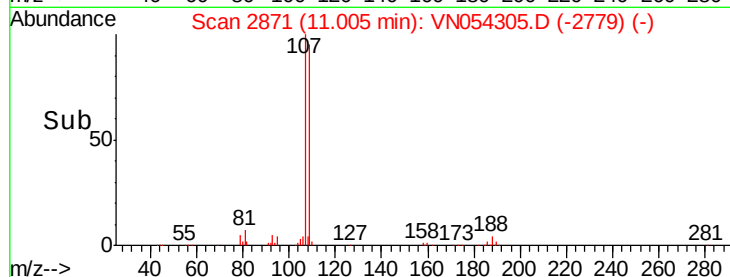
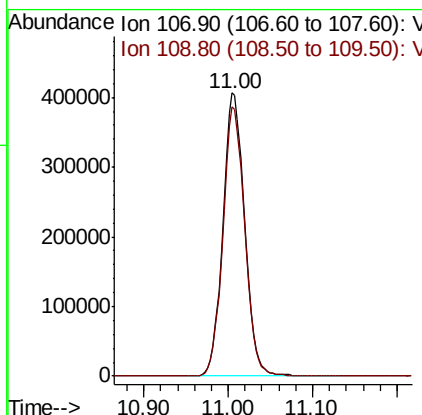
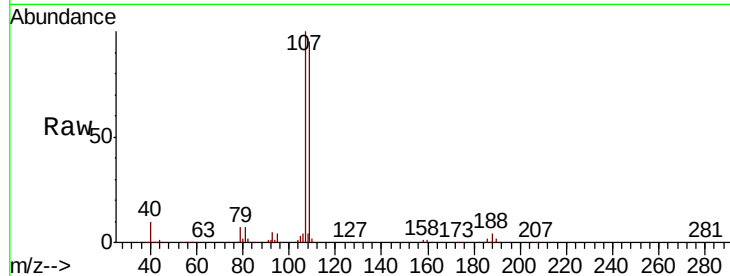
#61
 1,2-Dibromoethane
 Concen: 52.171 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.9	113.9

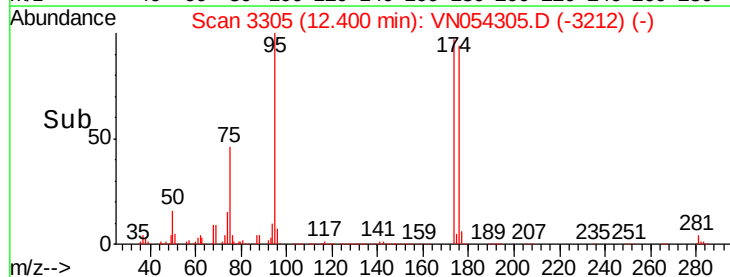
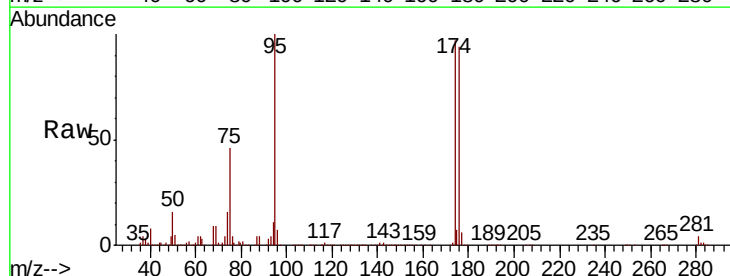
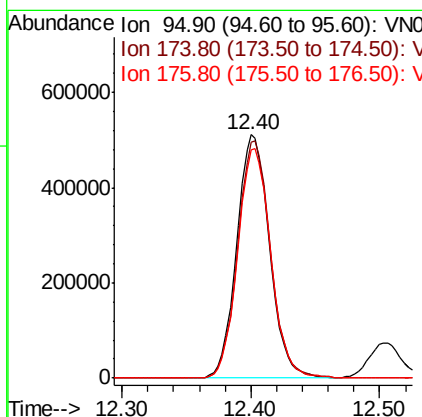
Manual Integrations
 APPROVED

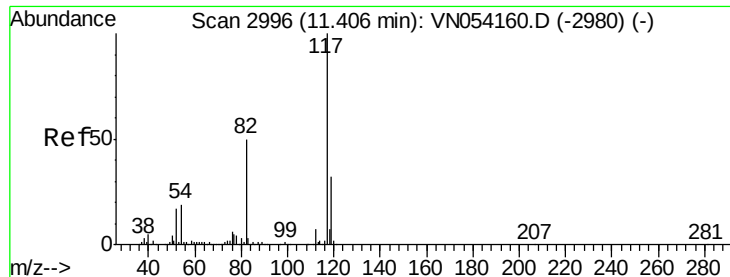
MMDadoda
 3/16/2019 11:08:58 AM



#62
 4-Bromofluorobenzene
 Concen: 48.197 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.8	0.0	191.0
176	95.0	0.0	187.4





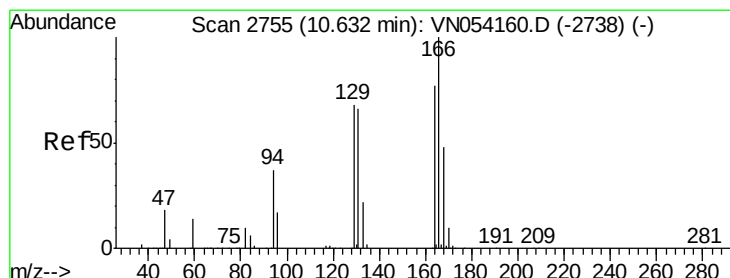
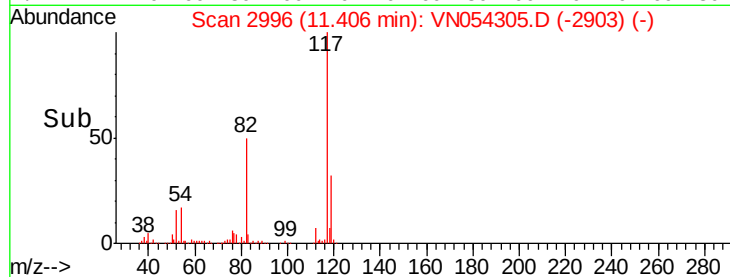
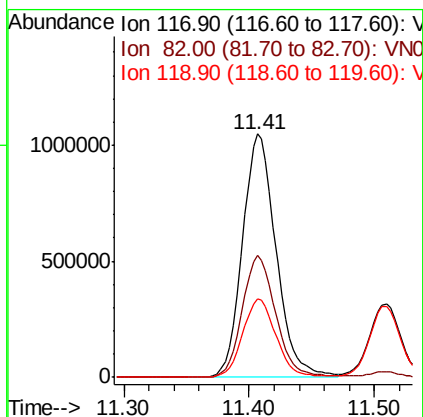
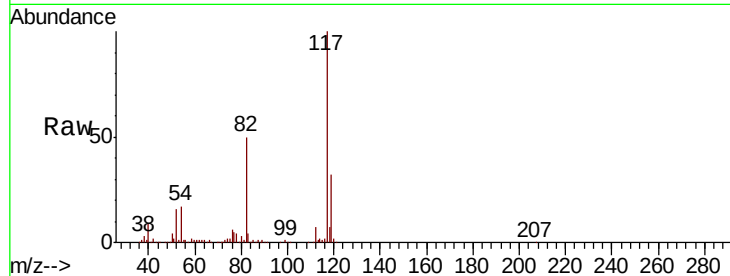
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.9	40.0	60.0
119	32.2	25.8	38.6

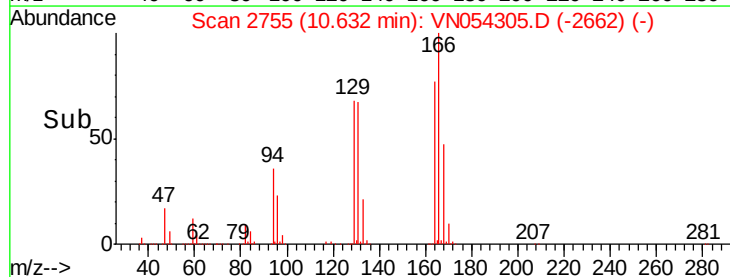
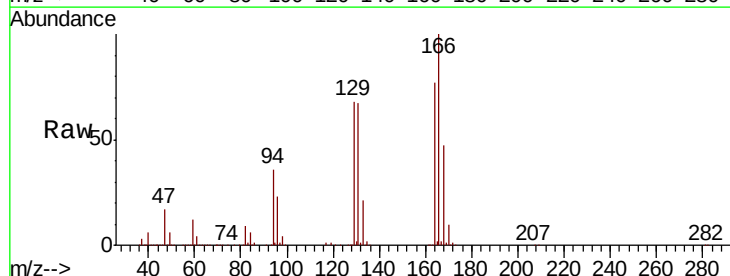
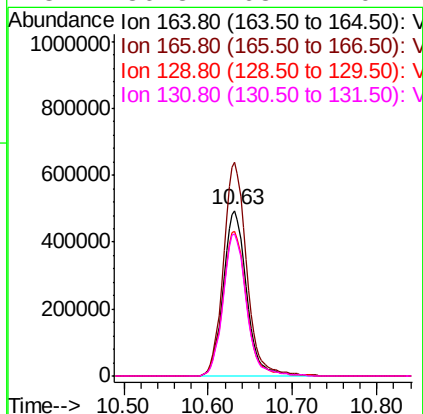
Manual Integrations
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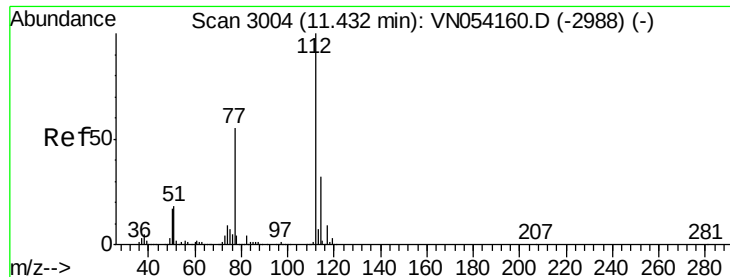
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#64
Tetrachloroethene
Concen: 50.137 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	103.9	155.9
129	87.6	71.1	106.7
131	86.3	68.2	102.4





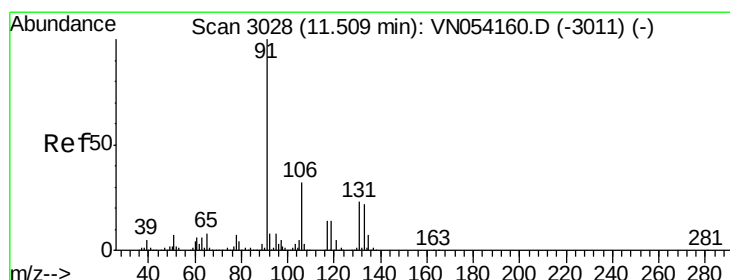
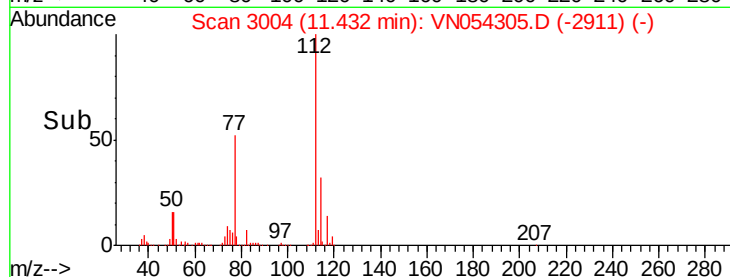
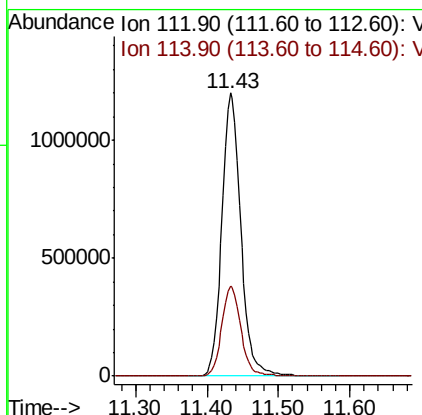
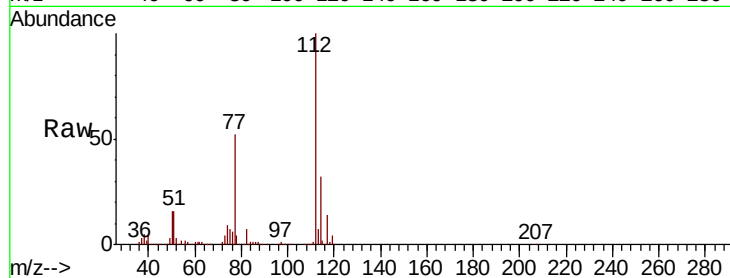
#65
Chlorobenzene
Concen: 51.578 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion:112 Resp: 2212332
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9

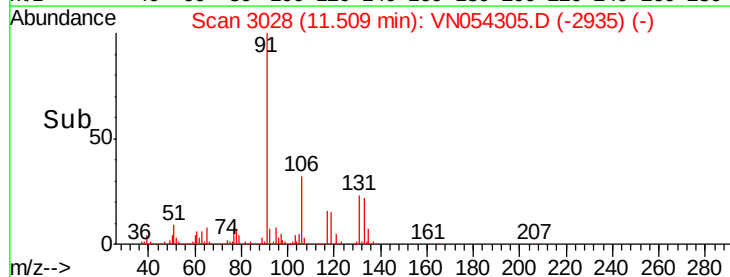
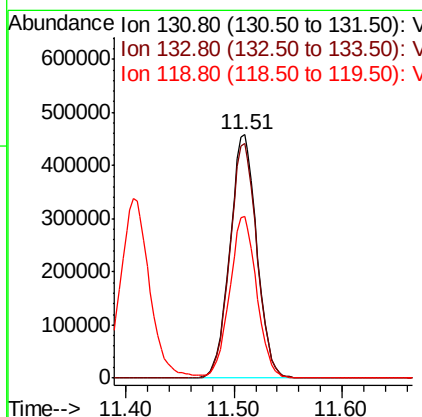
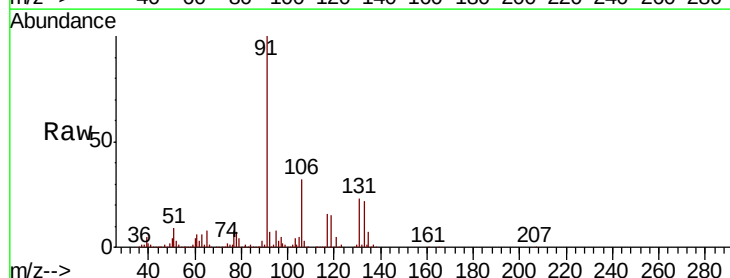
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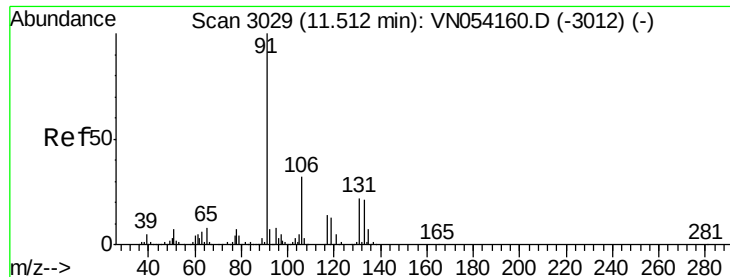
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.126 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Tgt Ion:131 Resp: 796643
Ion Ratio Lower Upper
131 100
133 97.0 47.6 142.9
119 66.7 32.4 97.0





#67

Ethyl Benzene

Concen: 50.877 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 3617482

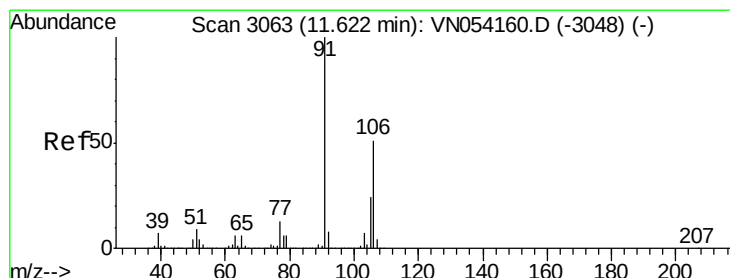
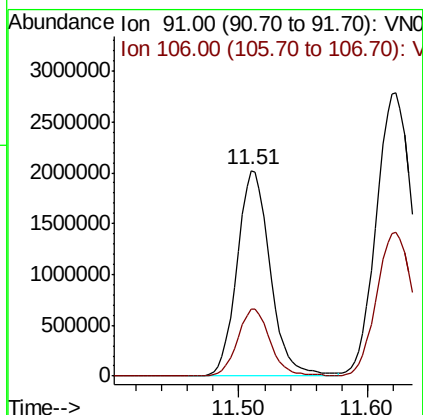
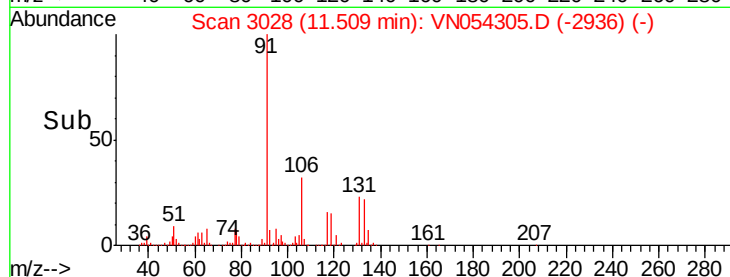
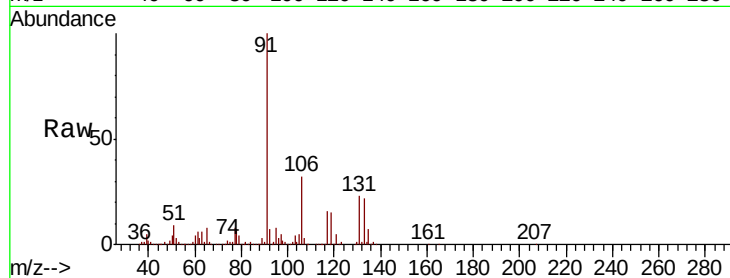
Ion Ratio Lower Upper

91 100

106 32.4 25.5 38.3

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#68

m/p-Xylenes

Concen: 103.277 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054305.D

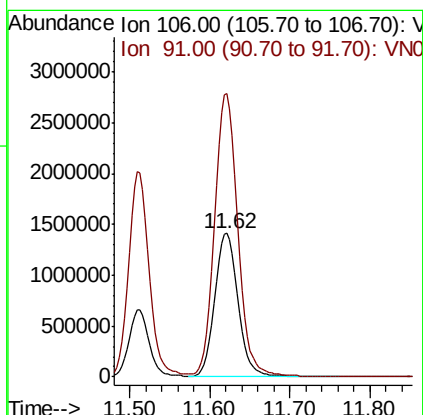
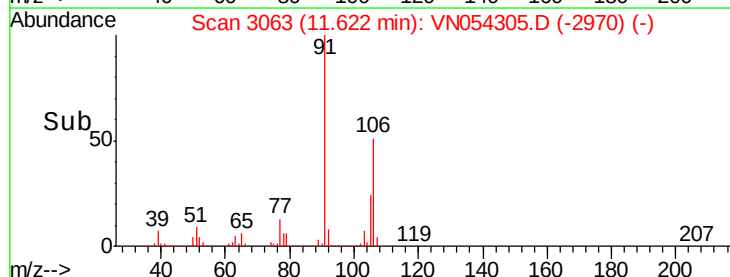
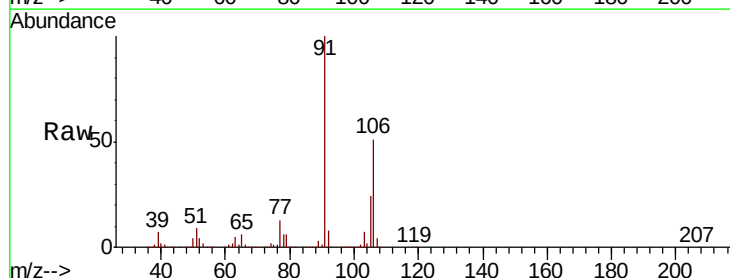
Acq: 15 Mar 2019 12:38

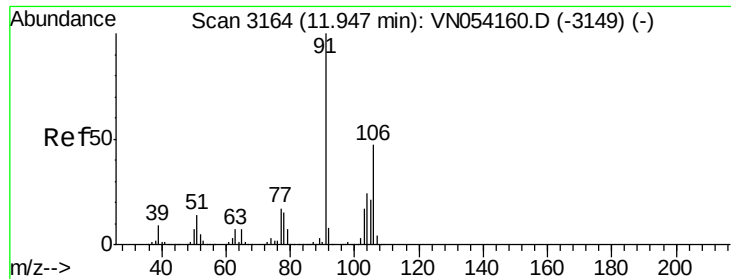
Tgt Ion: 106 Resp: 2870091

Ion Ratio Lower Upper

106 100

91 196.7 159.4 239.2





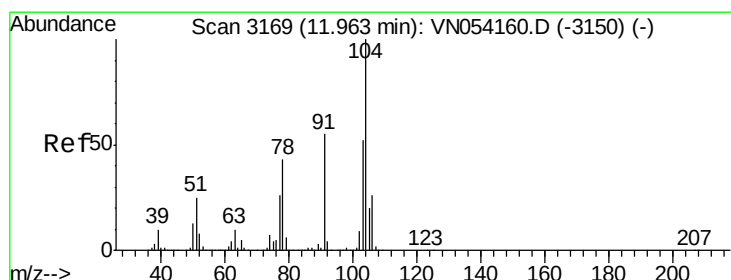
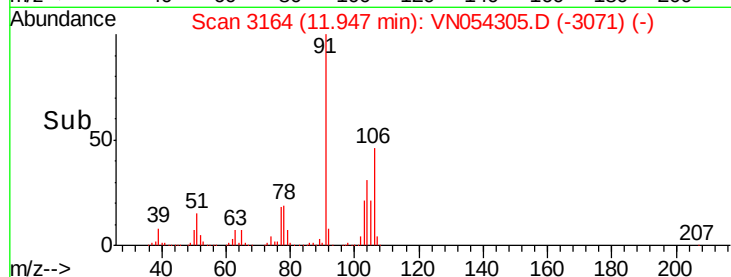
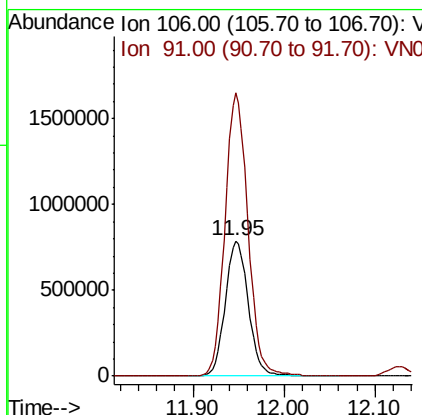
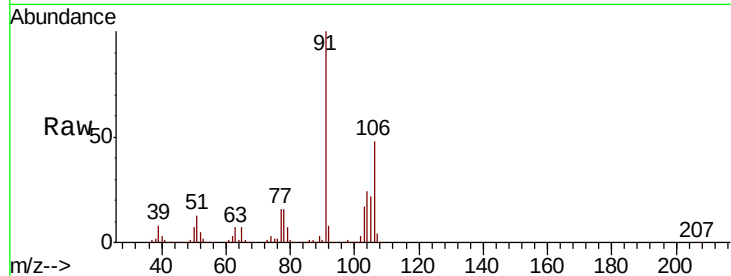
#69
o-Xylene
Concen: 51.167 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 1386142
Ion Ratio Lower Upper
106 100
91 208.3 105.7 317.1

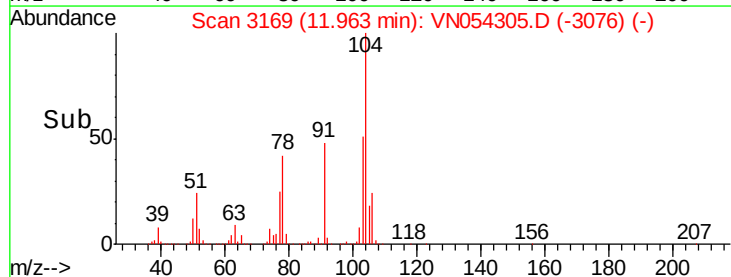
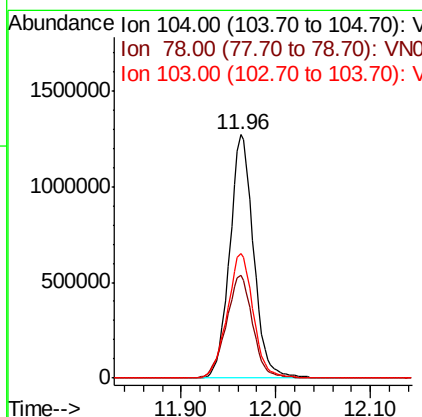
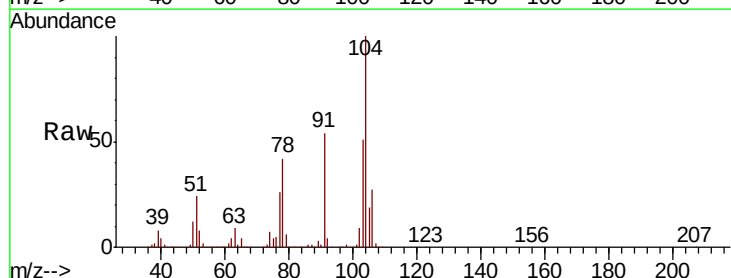
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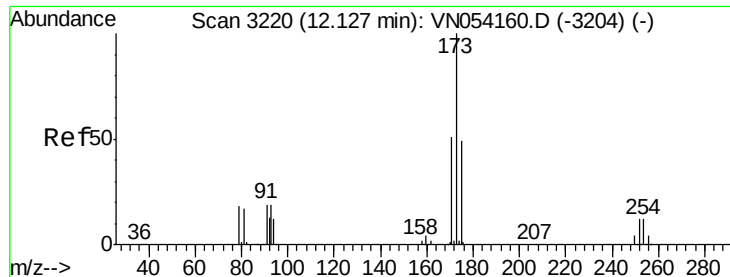
MMDadoda
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#70
Styrene
Concen: 52.452 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Tgt Ion:104 Resp: 2228533
Ion Ratio Lower Upper
104 100
78 46.9 38.2 57.2
103 55.8 44.4 66.6





#71

Bromoform

Concen: 43.885 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Instrument :

MSVOA_N

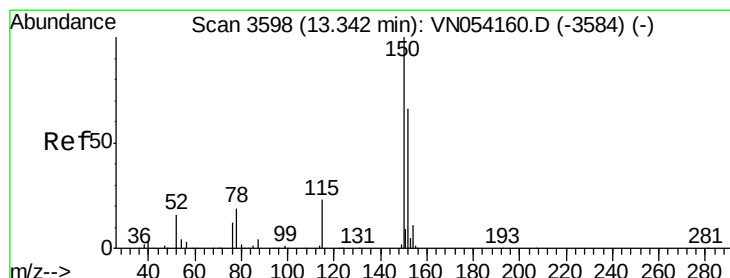
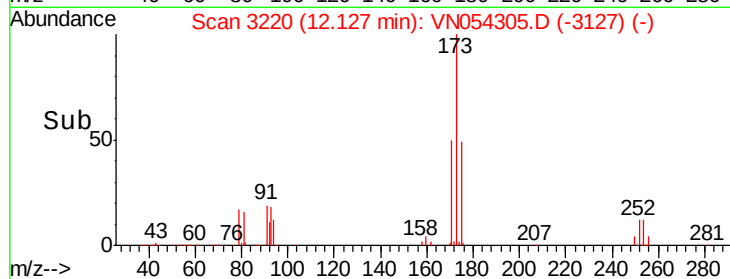
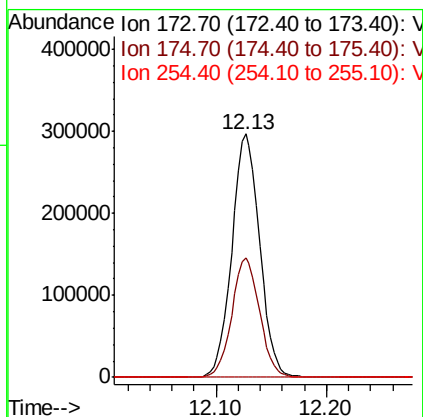
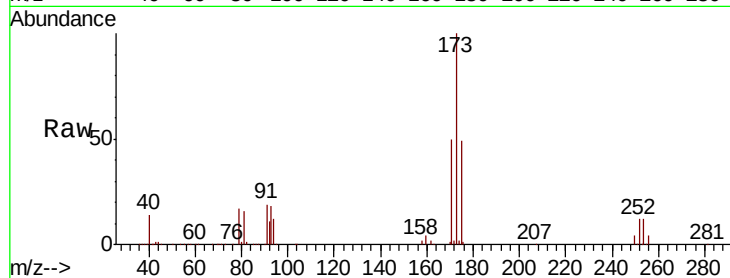
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.2
254	0.2	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

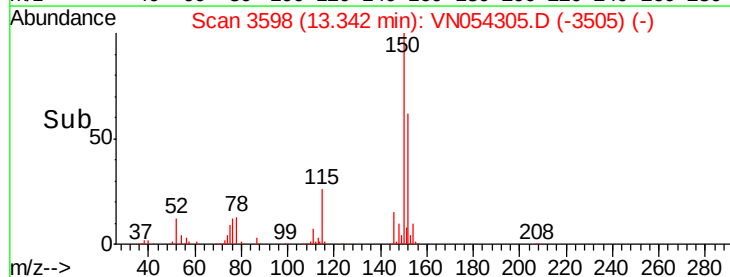
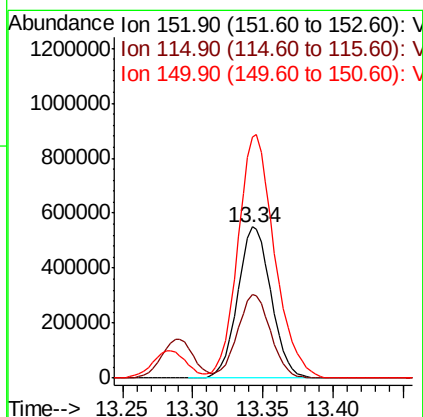
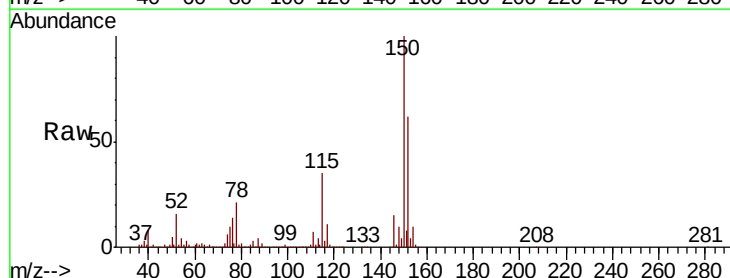
RT: 13.34 min Scan# 3598

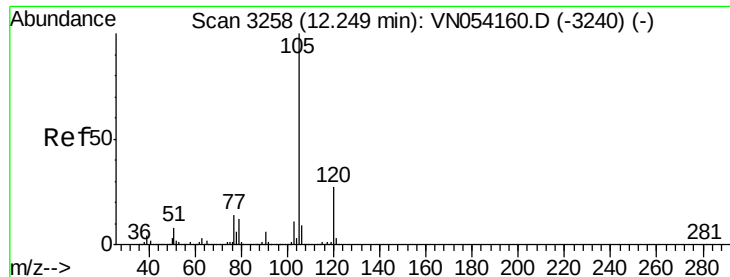
Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.2	81.6
150	176.6	0.0	349.2





#73

Isopropylbenzene

Concen: 49.916 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 3638285

Ion Ratio Lower Upper

105 100

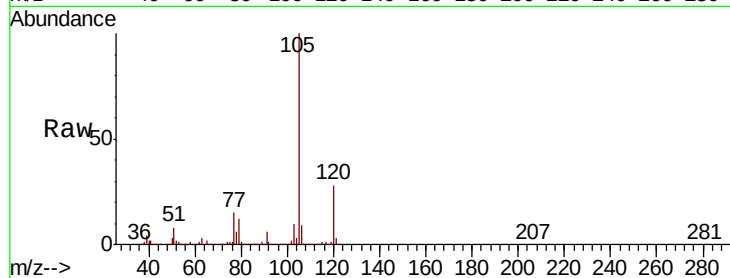
120 27.5 13.8 41.3

Manual Integrations

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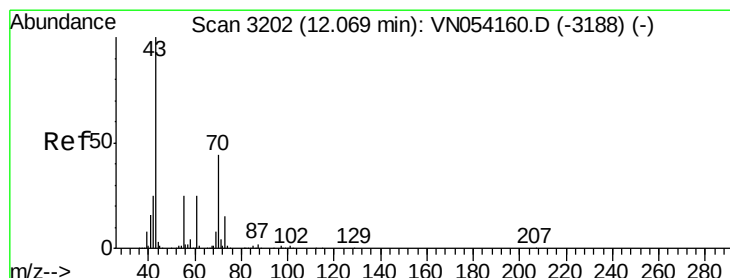
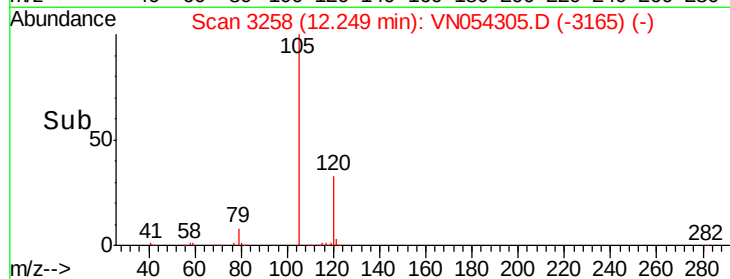
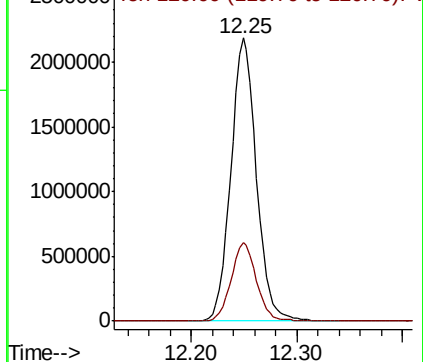
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.212 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Tgt Ion: 43 Resp: 828555

Ion Ratio Lower Upper

43 100

70 47.8 35.4 53.0

55 25.9 19.8 29.6

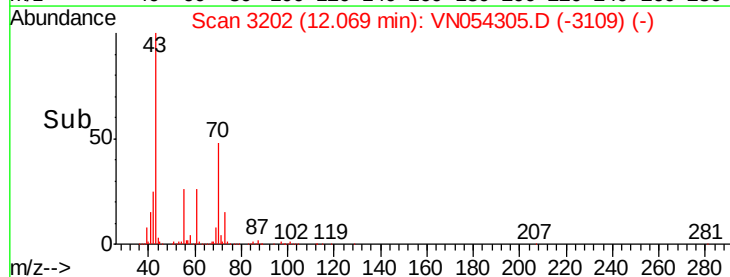
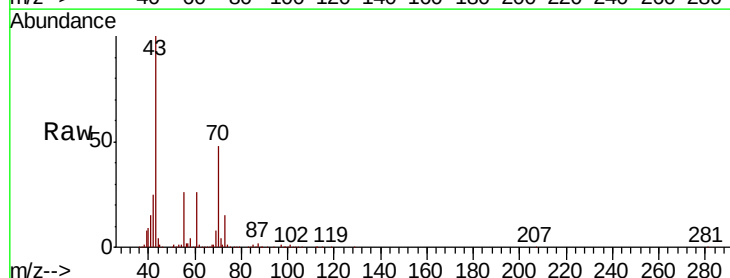
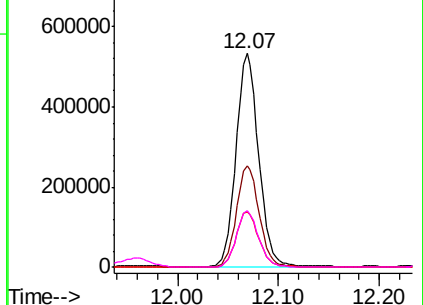
61 26.0 19.8 29.6

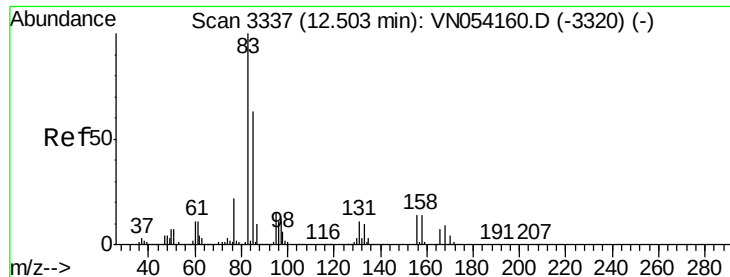
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.277 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 811822
Ion Ratio Lower Upper

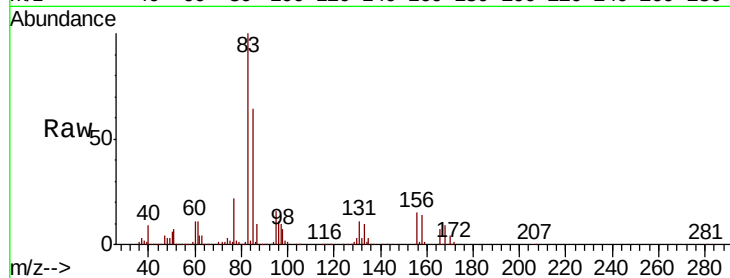
83 100

131 11.8 5.8 17.4

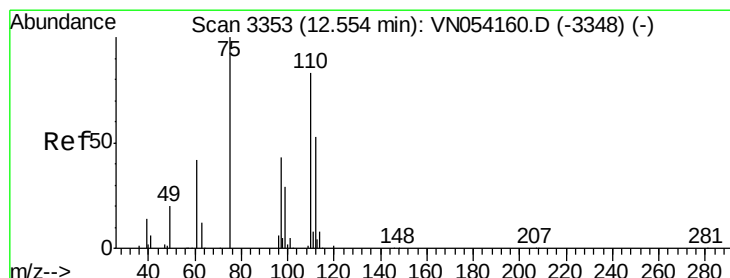
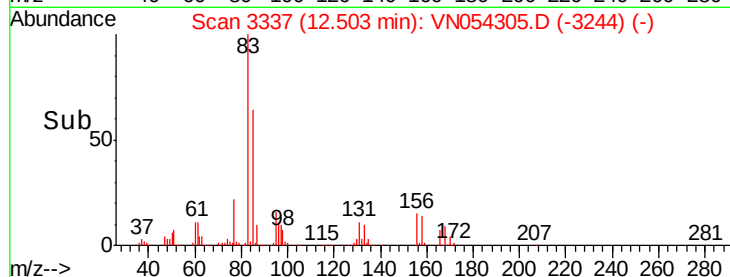
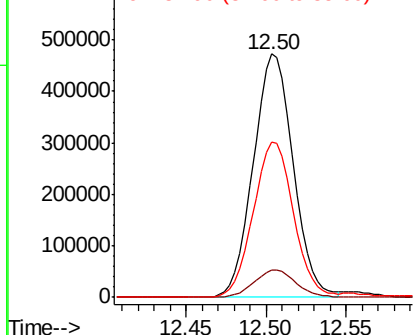
85 64.3 32.2 96.6

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 50.839 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

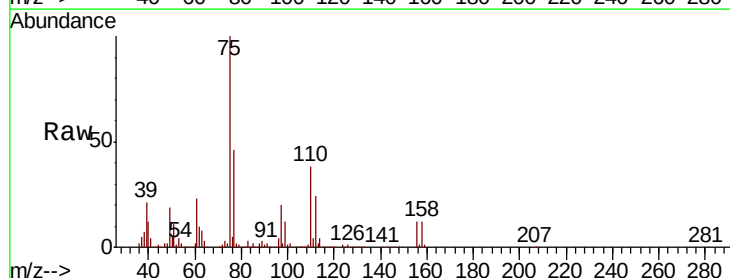
Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

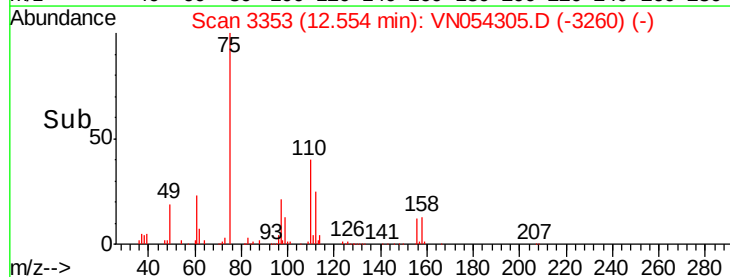
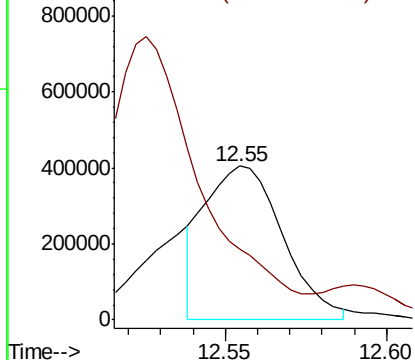
Tgt Ion: 75 Resp: 681094
Ion Ratio Lower Upper

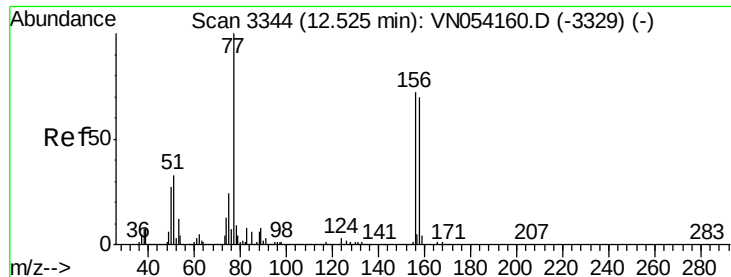
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 51.365 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Instrument :

MSVOA_N

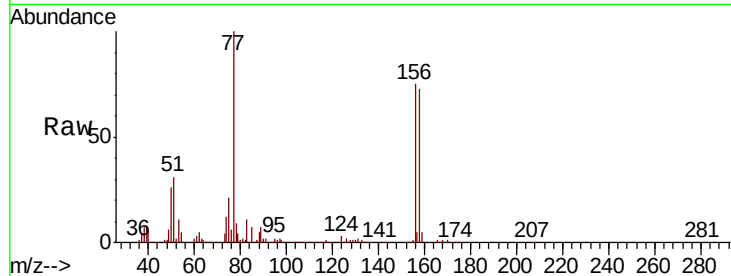
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	990691
Ion Ratio	Lower	Upper	
156	100		
77	157.8	81.5	244.4
158	97.2	49.0	147.2

Manual Integrations
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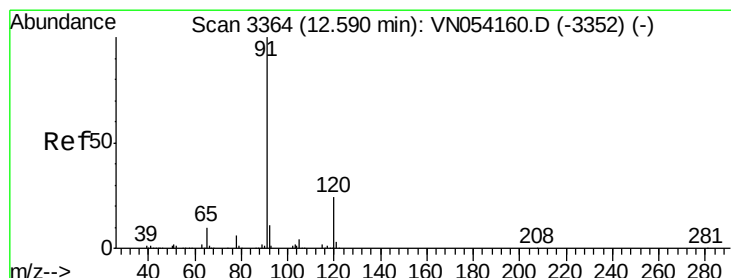
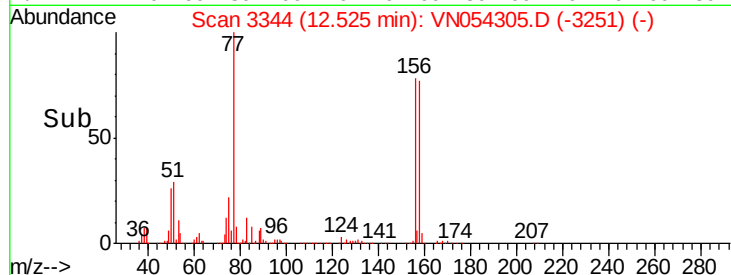
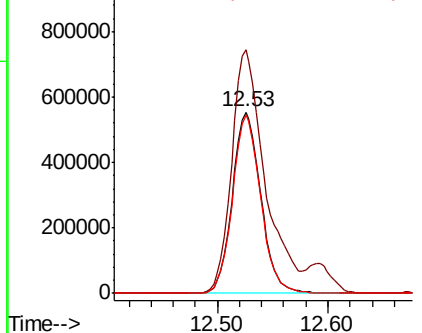
MMDadoda
3/16/2019 11:08:58 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.429 ug/l

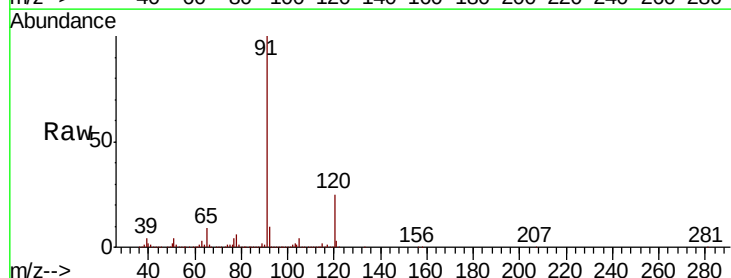
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054305.D

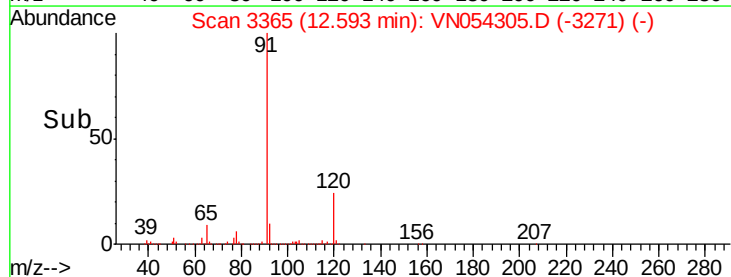
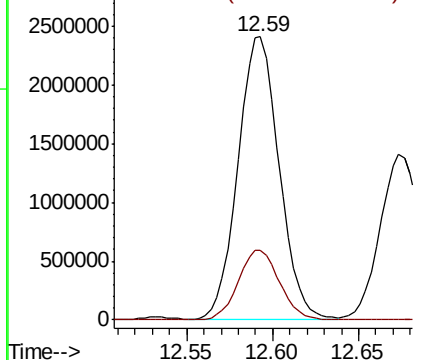
Acq: 15 Mar 2019 12:38

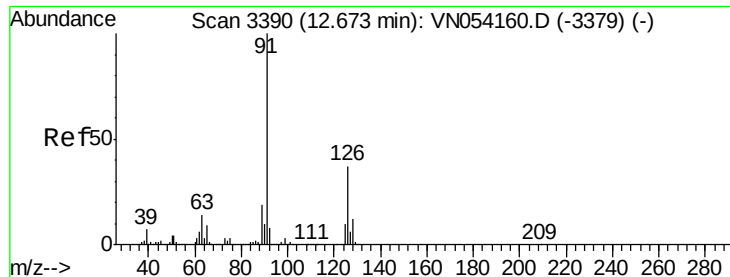
Tgt Ion:	91	Resp:	3988345
Ion Ratio	Lower	Upper	
91	100		
120	24.9	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.134 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 2384031

Ion Ratio Lower Upper

91 100

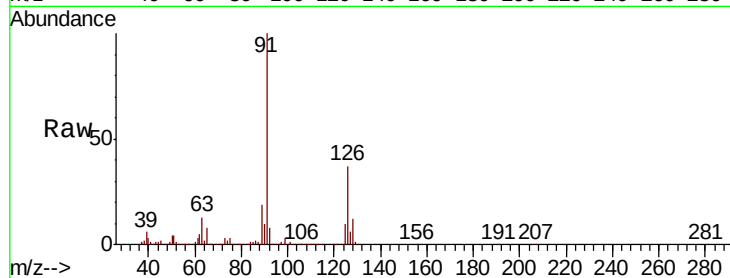
126 37.5 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054160.D (-3379) (-)

1500000

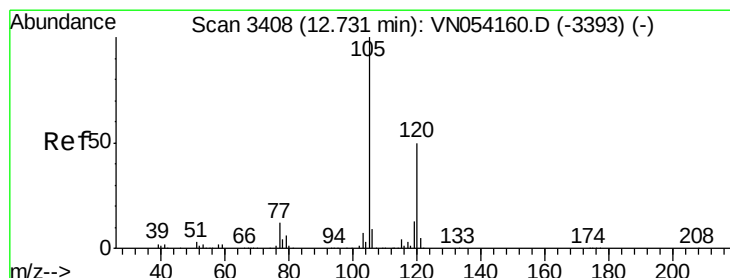
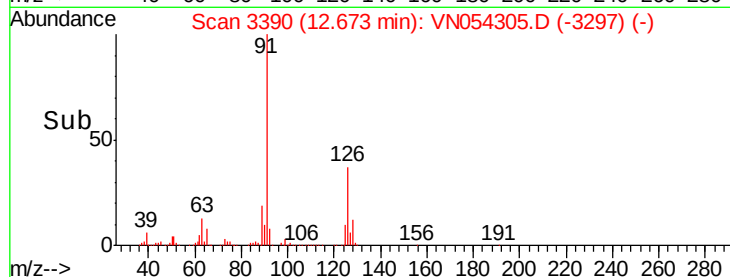
1000000

500000

0

12.65 12.67 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.154 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054305.D

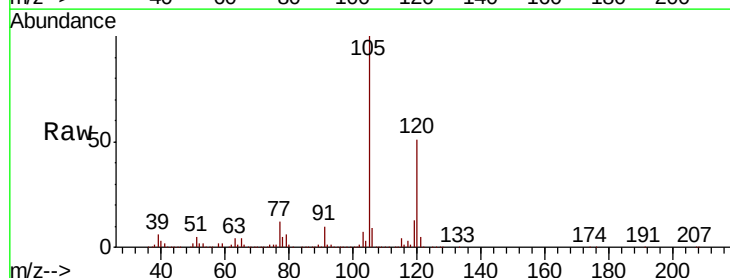
Acq: 15 Mar 2019 12:38

Tgt Ion: 105 Resp: 2980107

Ion Ratio Lower Upper

105 100

120 50.9 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3393) (-)

2000000

1500000

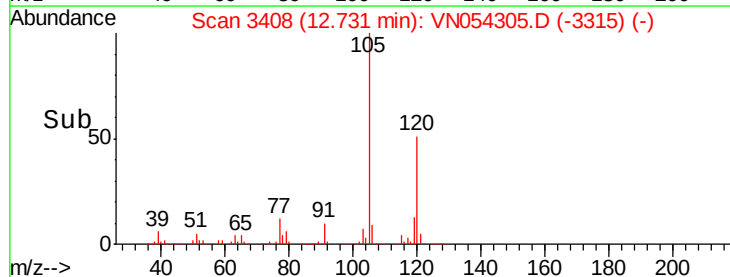
1000000

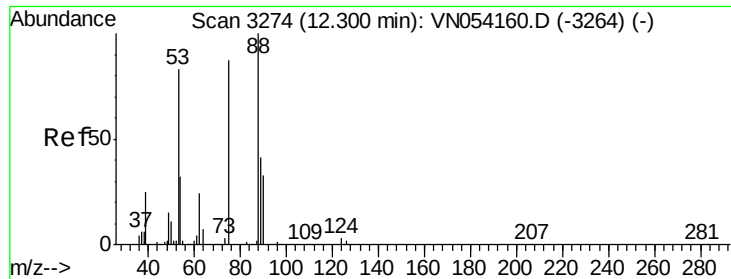
500000

0

12.70 12.73 12.80

Time-->





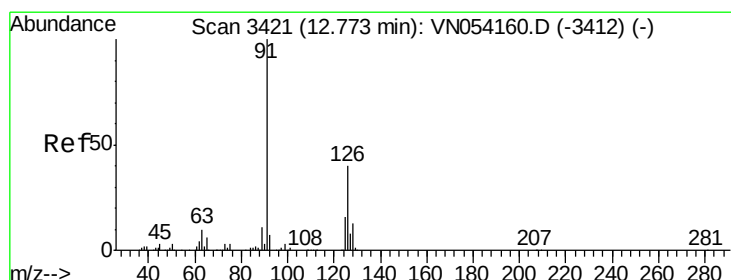
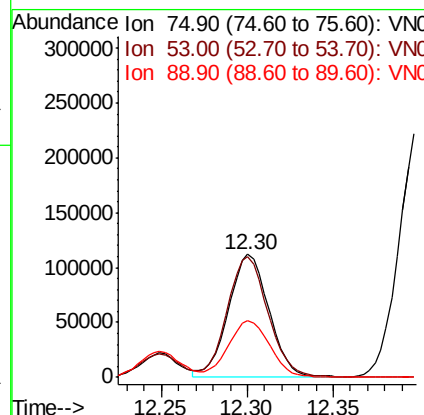
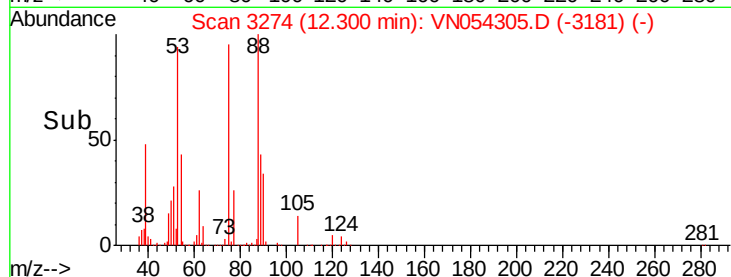
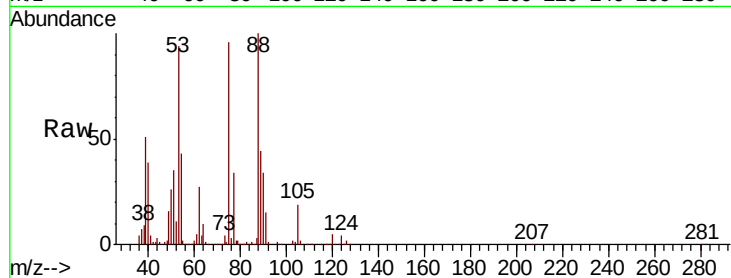
#81
trans-1,4-Dichloro-2-butene
Concen: 46.410 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	100.5	76.2	114.2
89	47.6	39.2	58.8

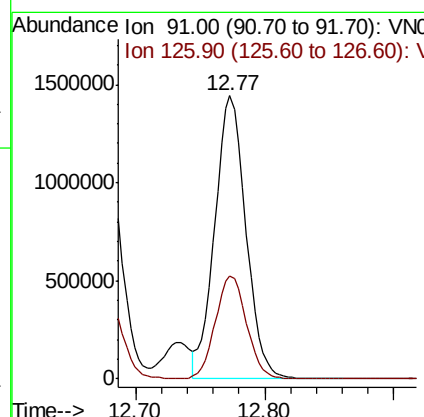
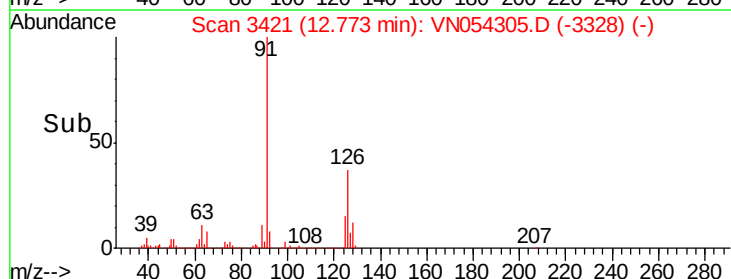
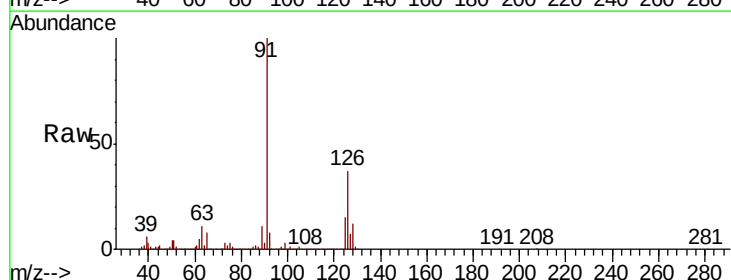
Manual Integrations
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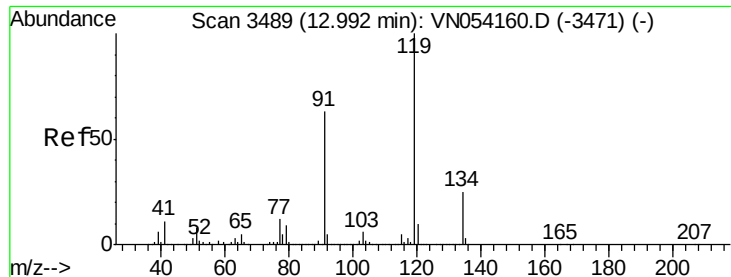
MMDadoda
3/16/2019 11:08:58 AM



#82
4-Chlorotoluene
Concen: 50.776 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.6	18.1	54.1





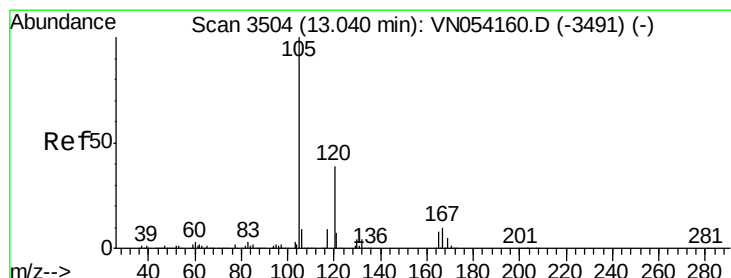
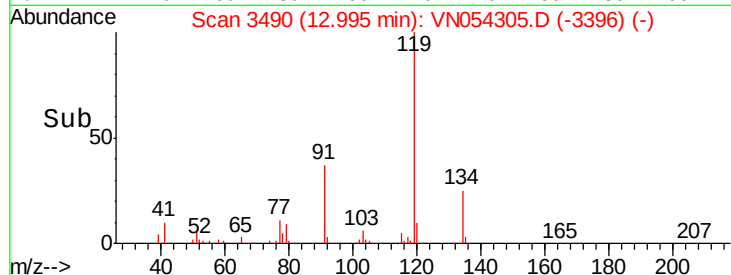
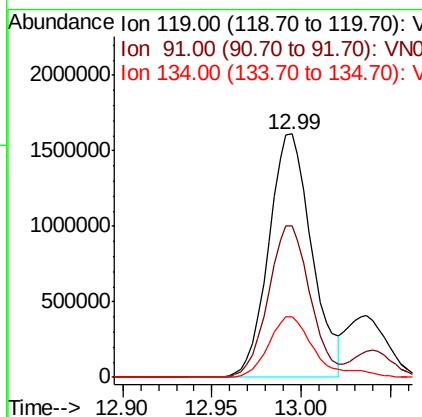
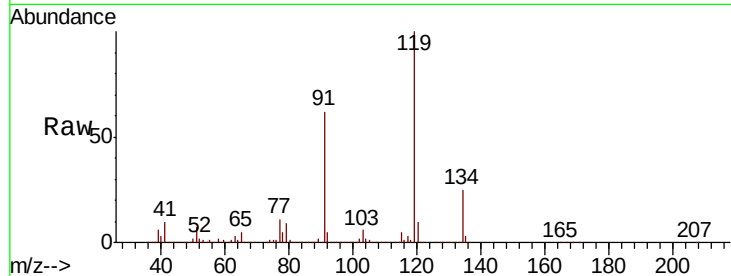
#83
 tert-Butylbenzene
 Concen: 48.483 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 2705538
 Ion Ratio Lower Upper
 119 100
 91 60.9 30.9 92.8
 134 26.7 13.2 39.6

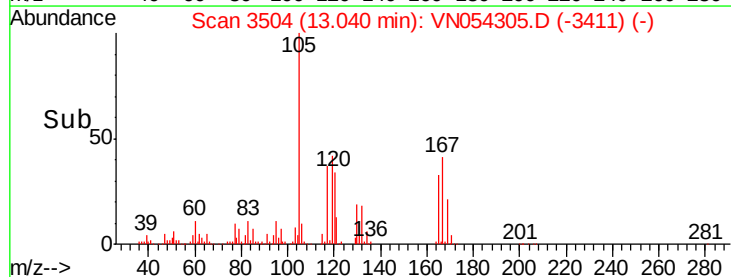
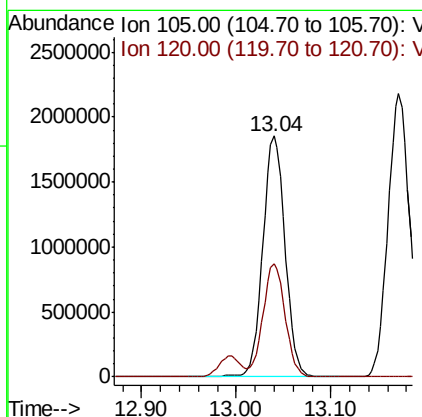
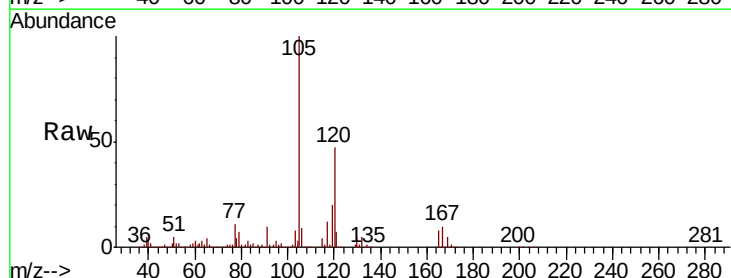
Manual Integrations
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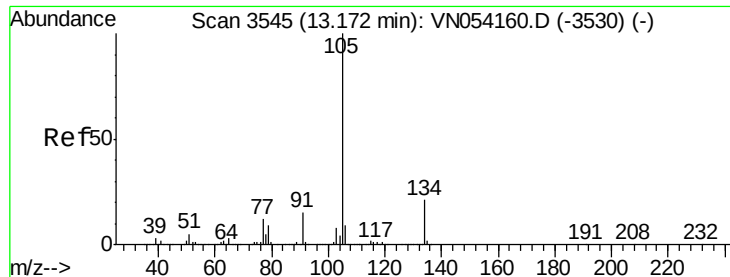
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.751 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Tgt Ion:105 Resp: 3018596
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.4 70.3





#85

sec-Butylbenzene

Concen: 48.543 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 3513075

Ion Ratio Lower Upper

105 100

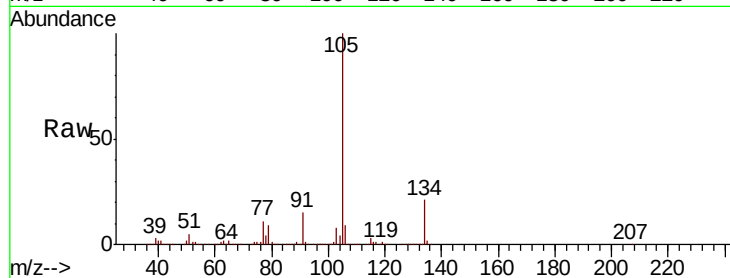
134 21.5 10.7 32.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

2500000

2000000

1500000

1000000

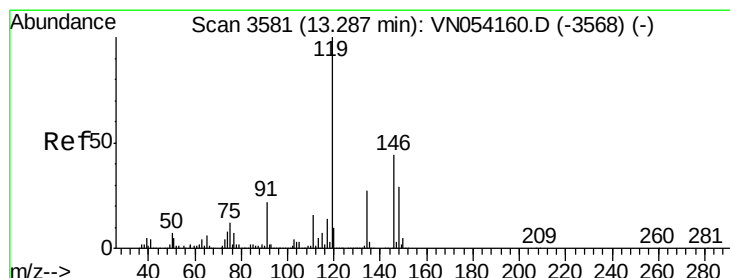
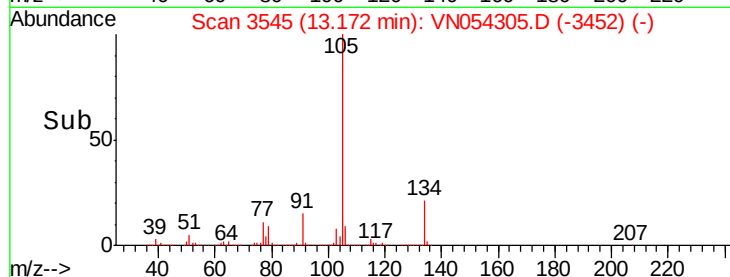
500000

0

13.10

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 49.361 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

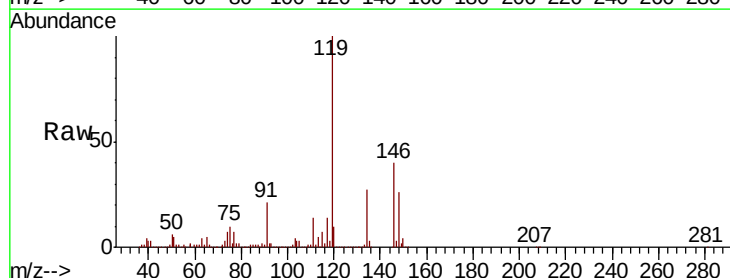
Tgt Ion:119 Resp: 3133951

Ion Ratio Lower Upper

119 100

134 27.5 13.6 40.8

91 21.5 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

2500000

2000000

1500000

1000000

500000

0

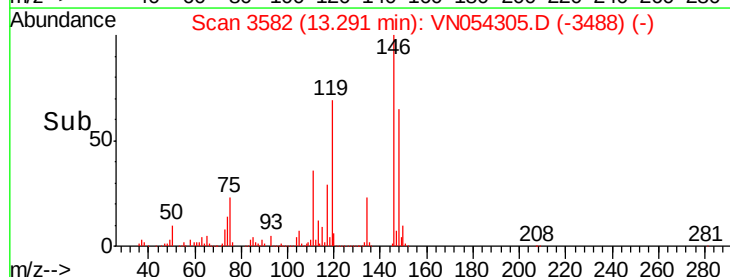
13.20

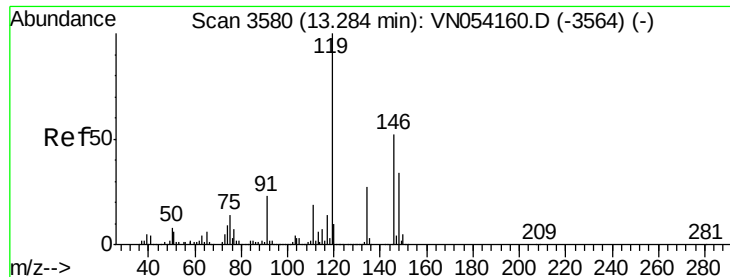
13.25

13.30

13.35

Time-->





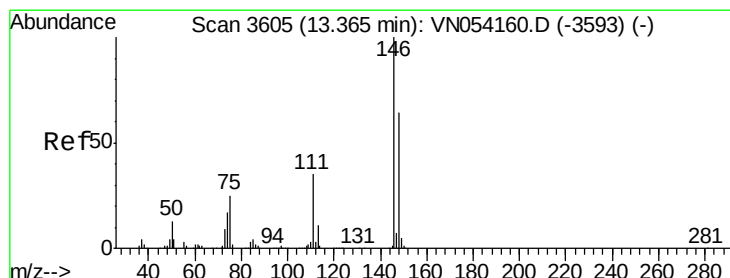
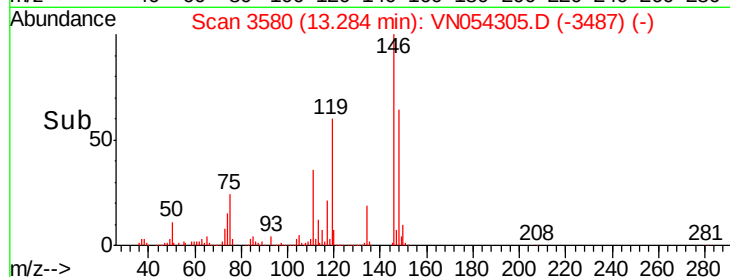
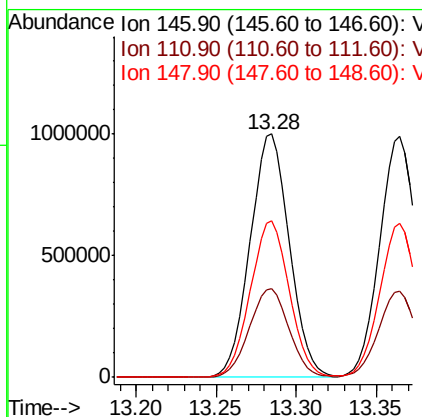
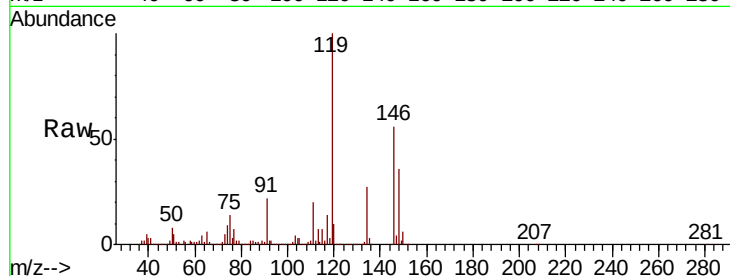
#87
 1,3-Dichlorobenzene
 Concen: 51.866 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.8	56.3
148	63.9	32.2	96.6

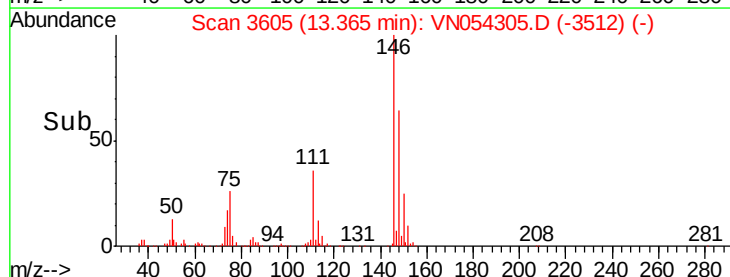
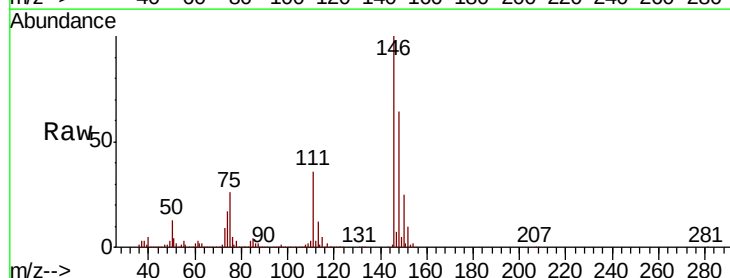
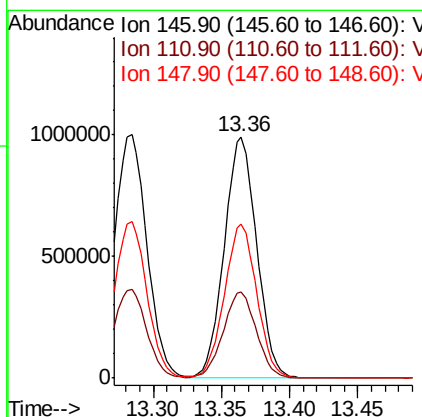
Manual Integrations
 APPROVED

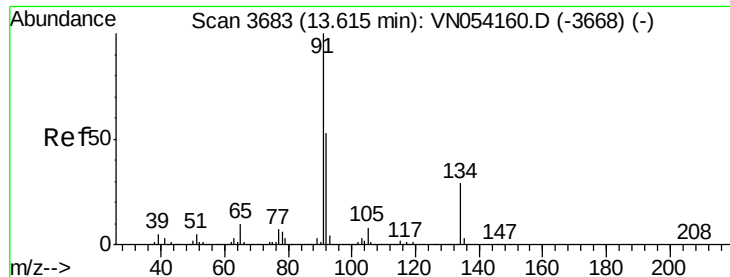
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 3/16/2019 11:08:58 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.281 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	63.8	32.0	96.0





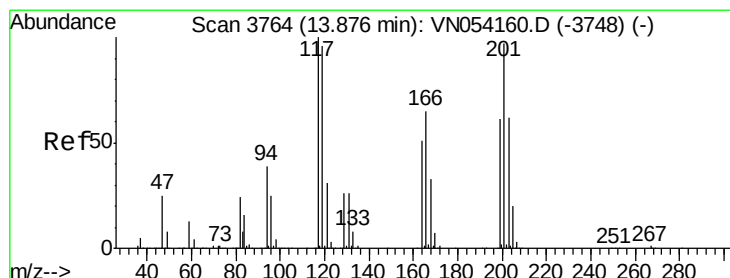
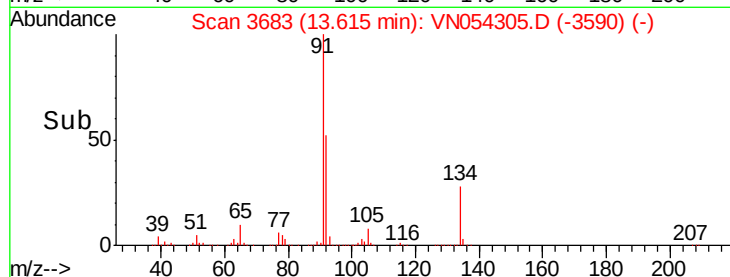
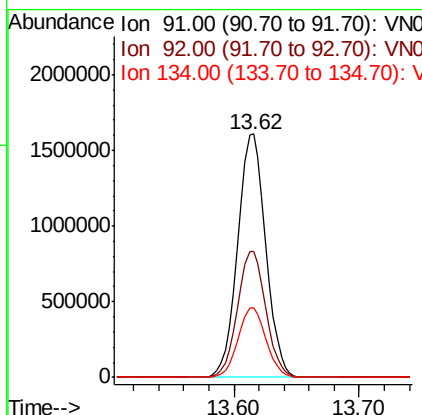
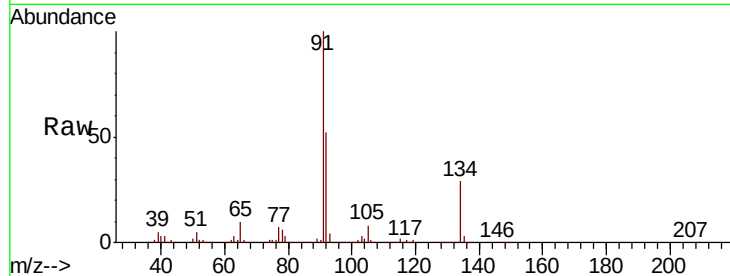
#89
n-Butylbenzene
Concen: 51.741 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 2496025
Ion Ratio Lower Upper
91 100
92 52.3 26.2 78.6
134 28.5 14.3 42.9

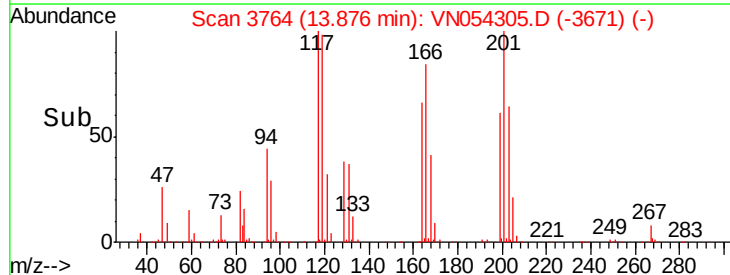
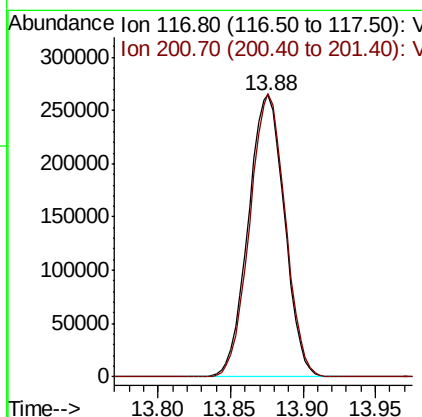
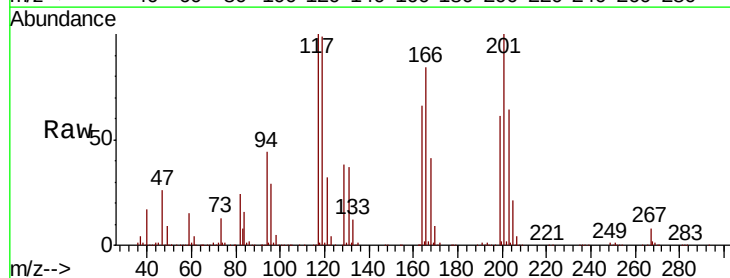
Manual Integrations
APPROVED

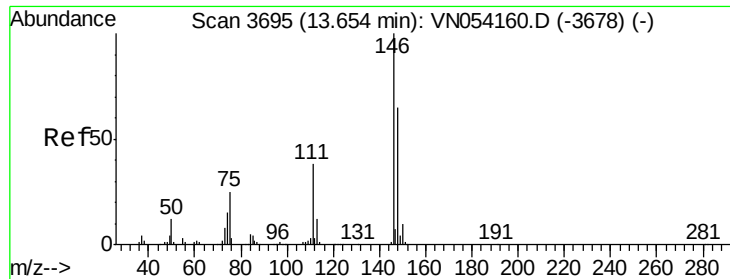
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#90
Hexachloroethane
Concen: 43.799 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054305.D
Acq: 15 Mar 2019 12:38

Tgt Ion: 117 Resp: 460461
Ion Ratio Lower Upper
117 100
201 98.4 48.1 144.4





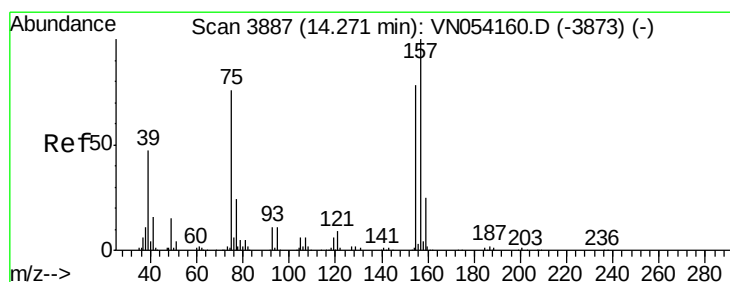
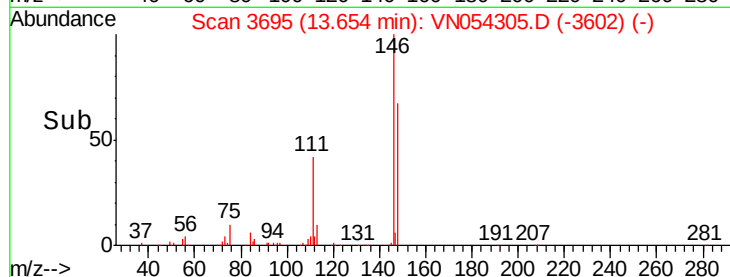
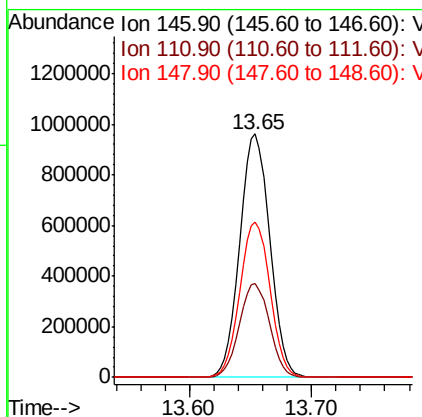
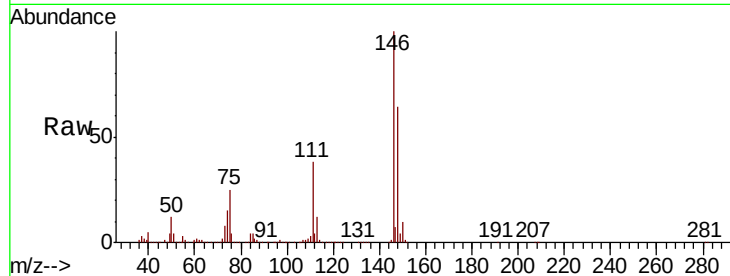
#91
 1,2-Dichlorobenzene
 Concen: 51.406 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 146 Resp: 1633238
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.1 57.3
 148 64.1 32.4 97.0

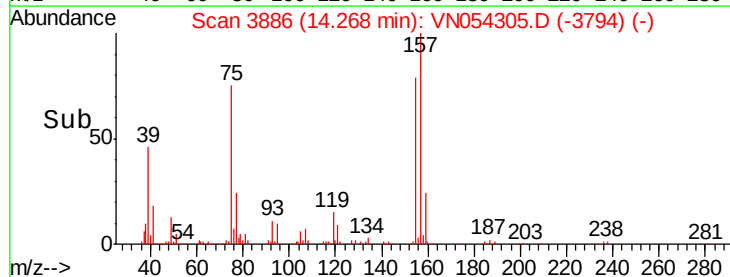
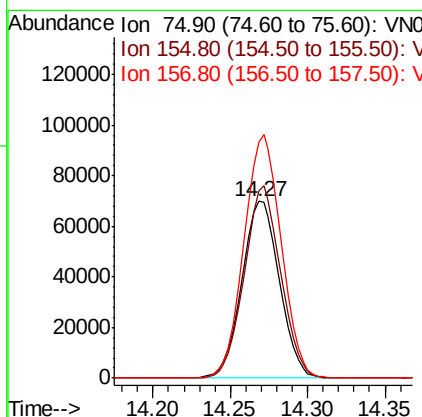
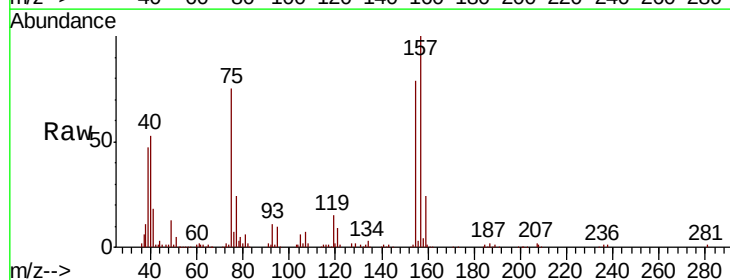
Manual Integrations
 APPROVED

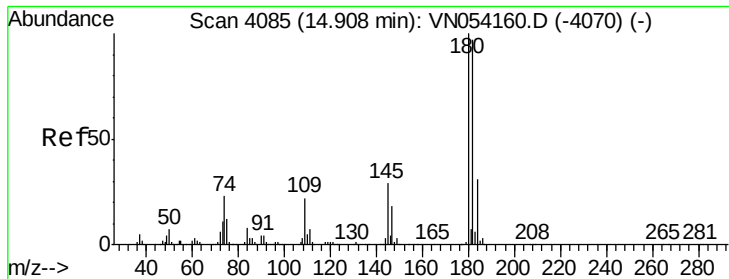
MMDadoda
 3/16/2019 11:08:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.282 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054305.D
 Acq: 15 Mar 2019 12:38

Tgt Ion: 75 Resp: 118426
 Ion Ratio Lower Upper
 75 100
 155 105.2 50.1 150.3
 157 136.0 63.1 189.3





#93

1,2,4-Trichlorobenzene

Concen: 47.726 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Instrument :

MSVOA_N

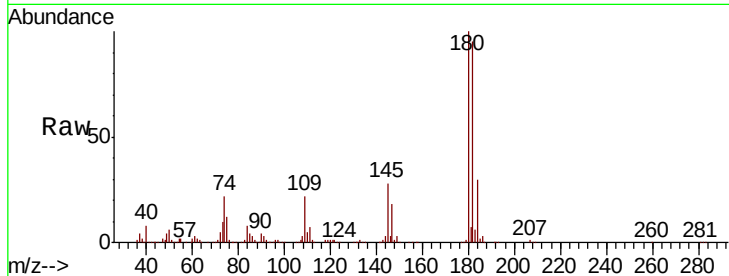
ClientSampleId :

VSTDCCC050

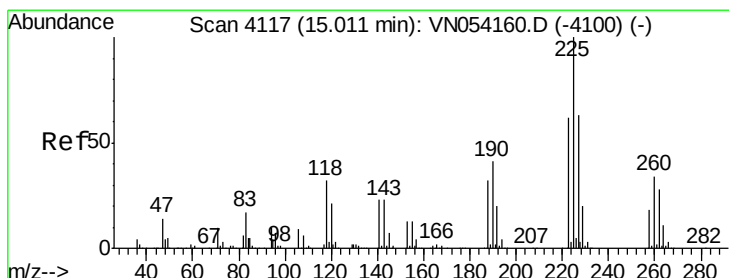
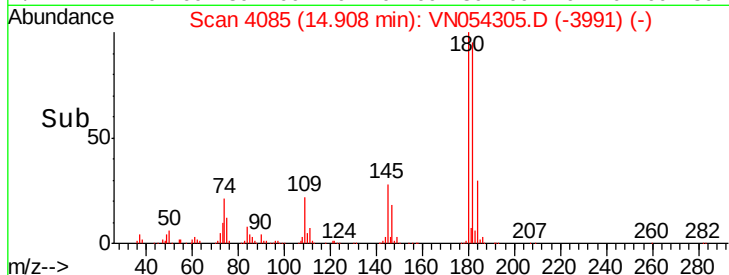
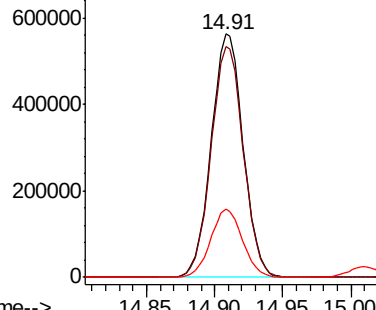
Tgt Ion:	180	Resp:	913140
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.0	144.2
145	27.9	14.2	42.8

Manual Integrations
APPROVED

MMDadoda
3/16/2019 11:08:58 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 46.687 ug/l

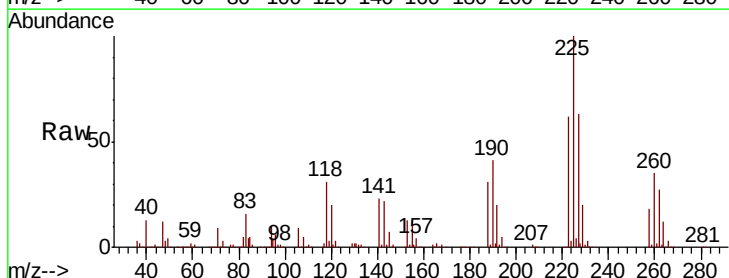
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

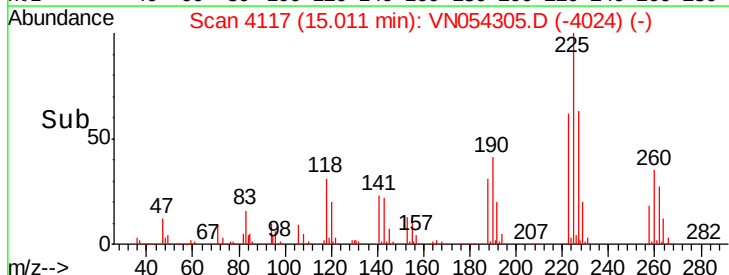
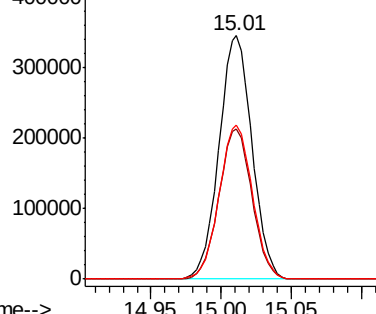
Lab File: VN054305.D

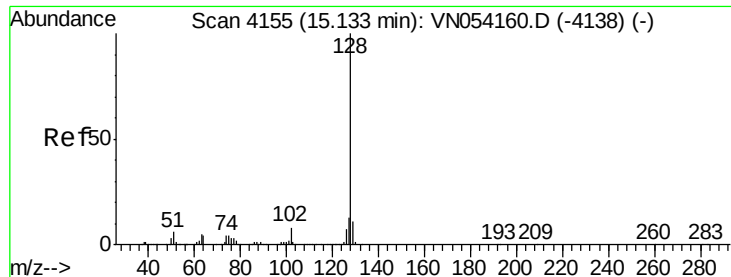
Acq: 15 Mar 2019 12:38

Tgt Ion:	225	Resp:	564998
Ion Ratio	Lower	Upper	
225	100		
223	62.0	31.1	93.5
227	63.7	31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 46.130 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Instrument :

MSVOA_N

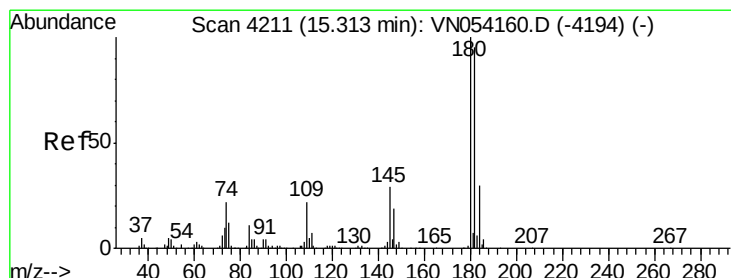
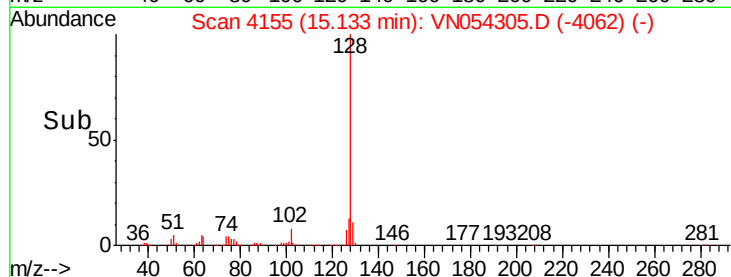
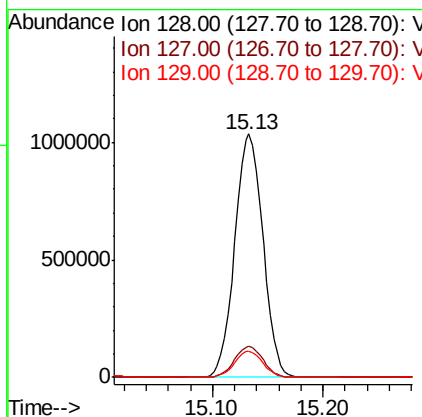
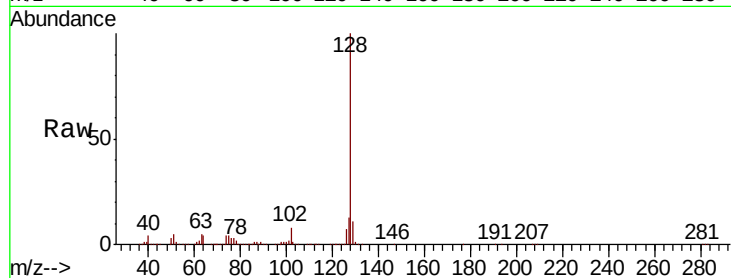
ClientSampleId :

VSTDCCC050

Tgt Ion:	128	Resp:	1831751
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

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3/16/2019 11:08:58 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.759 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054305.D

Acq: 15 Mar 2019 12:38

Tgt Ion:	180	Resp:	873748
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.5	142.6
145	29.9	14.8	44.3

