

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054160.D
 Acq On : 12 Mar 2019 11:21
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:49:13 AM

Quant Time: Mar 13 03:26:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 02:32:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1554889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2386411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2112488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1017014	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	833851	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
35) Dibromofluoromethane	7.59	113	761856	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
50) Toluene-d8	10.09	98	2799366	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.40	95	976431	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	790481	53.641	ug/l	100
3) Chloromethane	2.06	50	699158	48.843	ug/l	100
4) Vinyl Chloride	2.19	62	811994	49.630	ug/l	100
5) Bromomethane	2.57	94	530931	46.854	ug/l	100
6) Chloroethane	2.71	64	474131	47.896	ug/l	100
7) Trichlorofluoromethane	3.02	101	1042804	47.939	ug/l	100
8) Diethyl Ether	3.41	74	517079	52.163	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	861002	52.820	ug/l	100
10) Methyl Iodide	3.94	142	1179884	50.940	ug/l	100
11) Tert butyl alcohol	4.81	59	284870	250.626	ug/l	100
12) 1,1-Dichloroethene	3.73	96	845433	52.337	ug/l	100
13) Acrolein	3.61	56	280277	261.281	ug/l	100
14) Allyl chloride	4.32	41	1098632	53.008	ug/l	100
15) Acrylonitrile	4.99	53	1226836	263.832	ug/l	100
16) Acetone	3.82	43	1218368	257.690	ug/l	100
17) Carbon Disulfide	4.04	76	2189253	54.063	ug/l	100
18) Methyl Acetate	4.33	43	520341	54.397	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	2094881	52.320	ug/l	100
20) Methylene Chloride	4.54	84	789057	50.826	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	802074	51.823	ug/l	100
22) Diisopropyl ether	5.96	45	2175006	52.581	ug/l	100
23) Vinyl Acetate	5.90	43	8263763	270.957	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1378126	51.888	ug/l	100
25) 2-Butanone	6.84	43	1508023	271.752	ug/l	100
26) 2,2-Dichloropropane	6.82	77	1200218	51.387	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	909043	52.647	ug/l	100
28) Bromochloromethane	7.19	49	560492	51.621	ug/l	100
29) Tetrahydrofuran	7.22	42	936716	262.534	ug/l	100
30) Chloroform	7.37	83	1443385	52.080	ug/l	100
31) Cyclohexane	7.65	56	1276471	51.442	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	1328582	53.080	ug/l	100
36) 1,1-Dichloropropene	7.79	75	1118728	50.905	ug/l	100
37) Ethyl Acetate	6.94	43	648115	49.985	ug/l	100
38) Carbon Tetrachloride	7.77	117	1186073	51.464	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1391212	51.451	ug/l	100
40) Benzene	8.04	78	3232991	51.408	ug/l	100
41) Methacrylonitrile	7.18	41	364462	52.565	ug/l	100
42) 1,2-Dichloroethane	8.12	62	1076861	50.718	ug/l	100
43) Isopropyl Acetate	8.17	43	1156616	52.182	ug/l	100
44) Trichloroethene	8.83	130	997475	51.058	ug/l	100
45) 1,2-Dichloropropane	9.12	63	806518	51.647	ug/l	100
46) Dibromomethane	9.21	93	533154	50.531	ug/l	100
47) Bromodichloromethane	9.40	83	1106266	52.301	ug/l	100
48) Methyl methacrylate	9.20	41	605189	53.802	ug/l	100
49) 1,4-Dioxane	9.20	88	161959	1017.929	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	3100082	264.291	ug/l	100
52) Toluene	10.16	92	2032528	50.972	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1150885	47.668	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1304150	52.910	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	745978	51.234	ug/l	100
56) Ethyl methacrylate	10.43	69	908023	52.302	ug/l	100
57) 1,3-Dichloropropane	10.71	76	1221947	51.326	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1709266	228.487	ug/l	100
59) 2-Hexanone	10.75	43	2021324	258.978	ug/l	100
60) Dibromochloromethane	10.90	129	873094	53.275	ug/l	100
61) 1,2-Dibromoethane	11.01	107	766964	51.835	ug/l	100
64) Tetrachloroethene	10.63	164	1016519	49.769	ug/l	100
65) Chlorobenzene	11.43	112	2351240	50.690	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	885071	52.526	ug/l	100
67) Ethyl Benzene	11.51	91	3891348	50.609	ug/l	100
68) m/p-Xylenes	11.62	106	3053633	101.611	ug/l	100
69) o-Xylene	11.95	106	1490790	50.887	ug/l	100
70) Styrene	11.96	104	2387195	51.957	ug/l	100
71) Bromoform	12.13	173	612684	47.807	ug/l	100
73) Isopropylbenzene	12.25	105	3965640	48.737	ug/l	100
74) N-amyl acetate	12.07	43	935500	51.797	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	852943	49.201	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	741727m	48.950	ug/l	
77) Bromobenzene	12.53	156	1052877	48.900	ug/l	100
78) n-propylbenzene	12.59	91	4391721	49.743	ug/l	100
79) 2-Chlorotoluene	12.67	91	2591256	48.813	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3302954	48.802	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	228263	46.593	ug/l	100
82) 4-Chlorotoluene	12.77	91	2626216	49.544	ug/l	100
83) tert-Butylbenzene	12.99	119	3014439	48.389	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	3299169	49.688	ug/l	100
85) sec-Butylbenzene	13.17	105	3956163	48.969	ug/l	100
86) p-Isopropyltoluene	13.29	119	3516408	49.613	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1822566	50.235	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1790296	50.222	ug/l	100
89) n-Butylbenzene	13.62	91	2814675	52.266	ug/l	100
90) Hexachloroethane	13.88	117	603082	51.387	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1764221	49.742	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	135521	50.519	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1007335	47.192	ug/l	100
94) Hexachlorobutadiene	15.01	225	633853	46.919	ug/l	100
95) Naphthalene	15.13	128	2026396	45.746	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1007978	53.489	ug/l	100

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

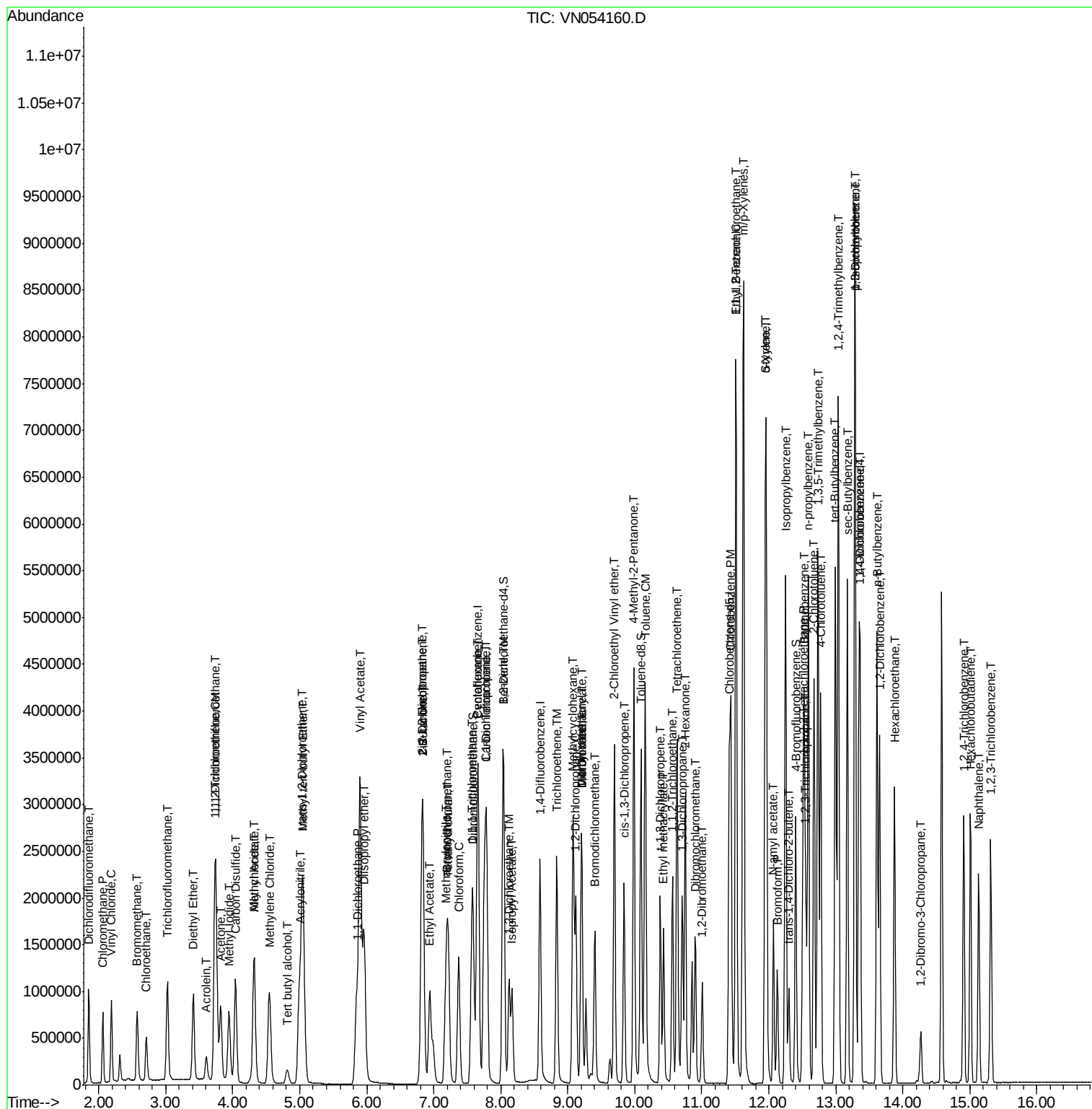
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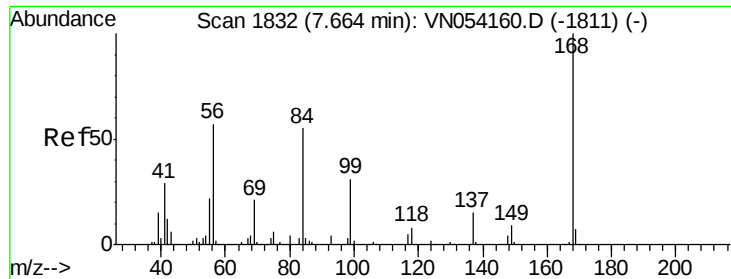
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tgt Ion:168 Resp: 1554889

Ion Ratio Lower Upper

168 100

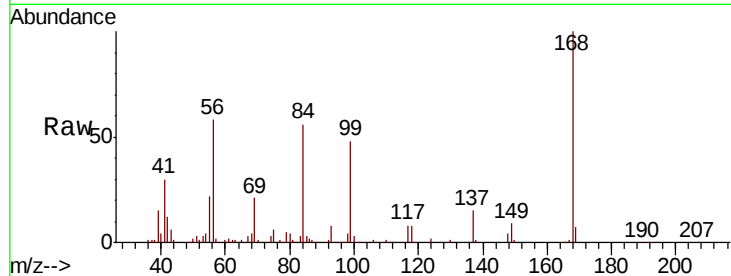
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Manual Integrations

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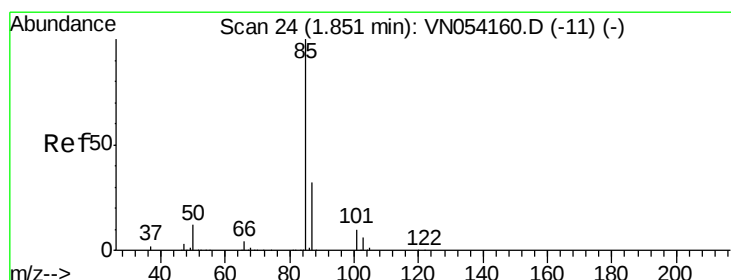
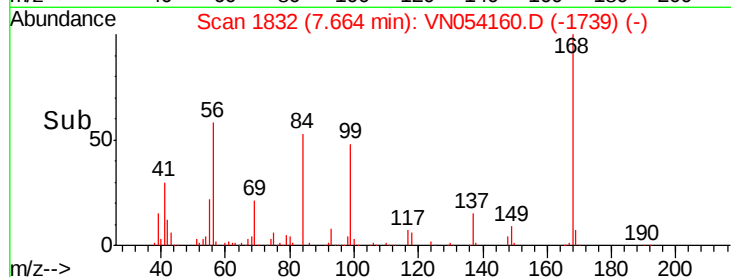
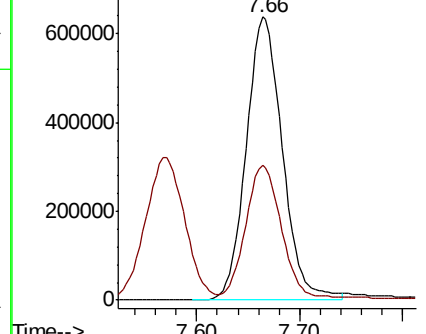
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 53.641 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054160.D

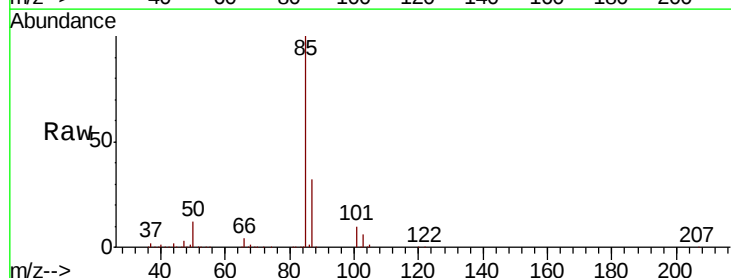
Acq: 12 Mar 2019 11:21

Tgt Ion: 85 Resp: 790481

Ion Ratio Lower Upper

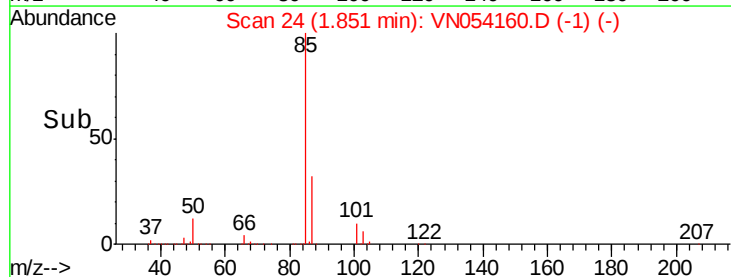
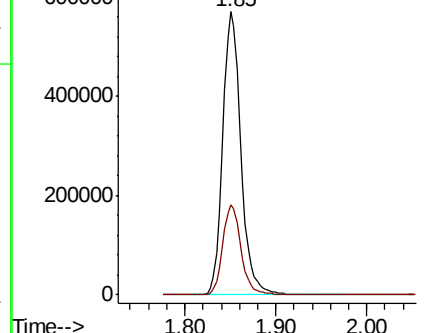
85 100

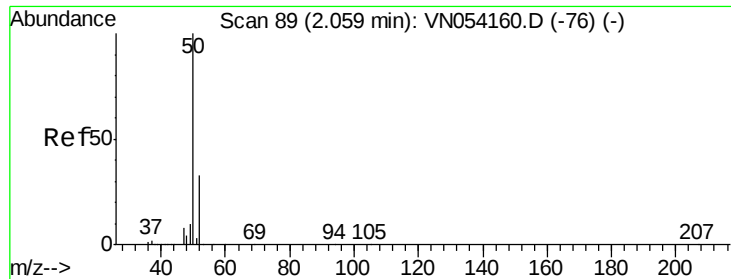
87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.843 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 699158

Ion Ratio Lower Upper

50 100

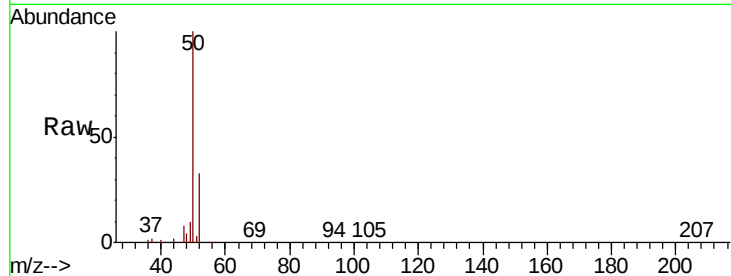
52 33.0 26.4 39.6

Manual Integrations

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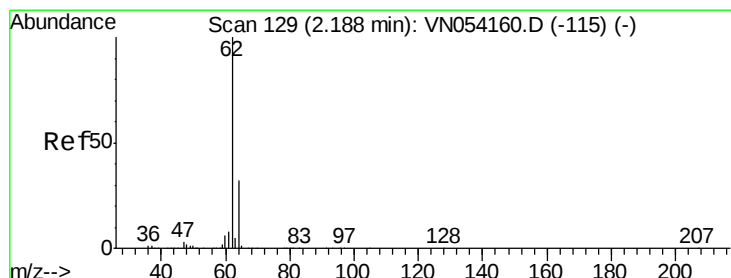
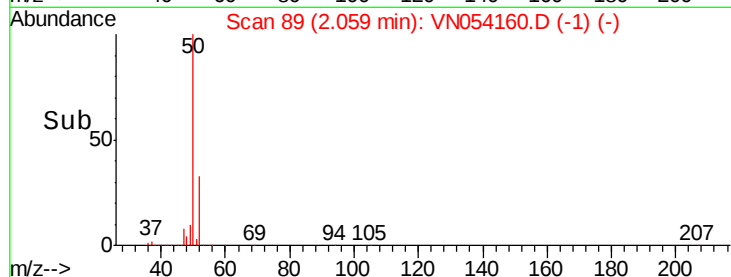
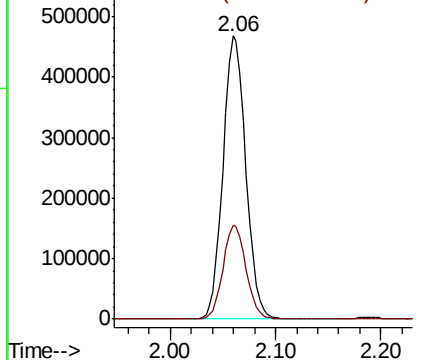
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 49.630 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054160.D

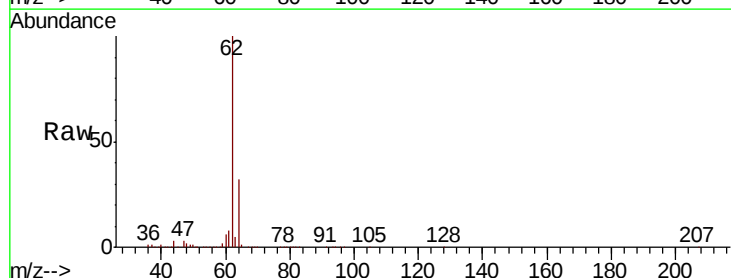
Acq: 12 Mar 2019 11:21

Tgt Ion: 62 Resp: 811994

Ion Ratio Lower Upper

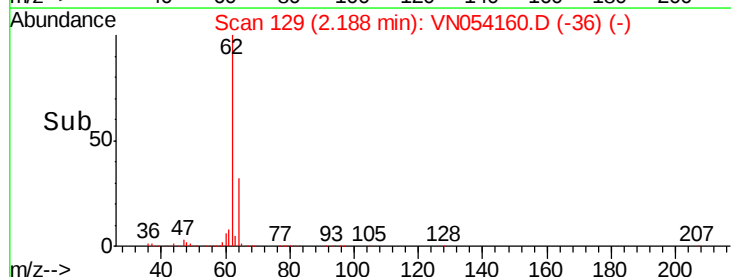
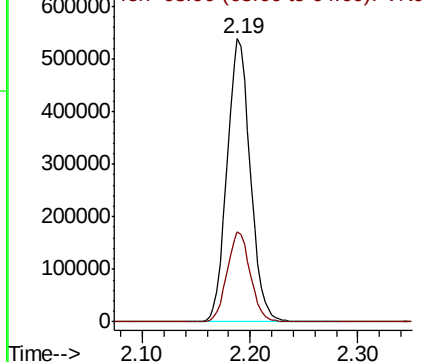
62 100

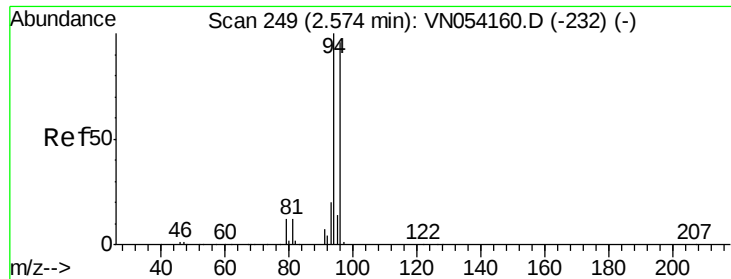
64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 46.854 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

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Tgt Ion: 94 Resp: 530931

Ion Ratio Lower Upper

94 100

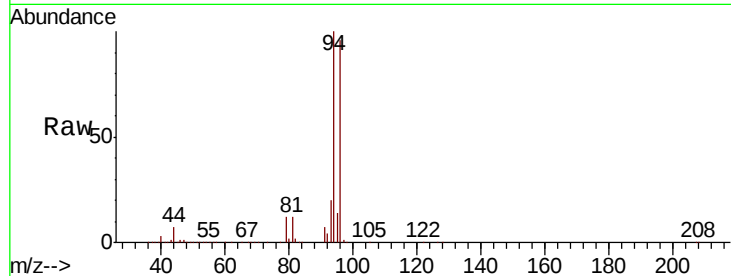
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Manual Integrations

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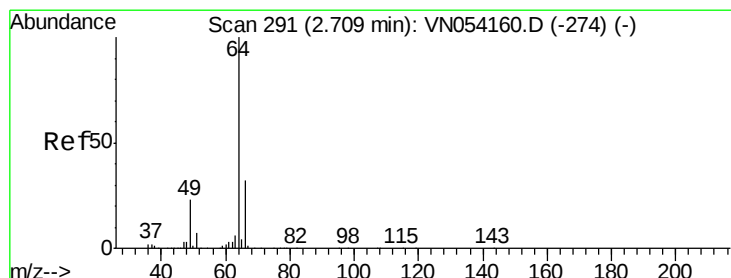
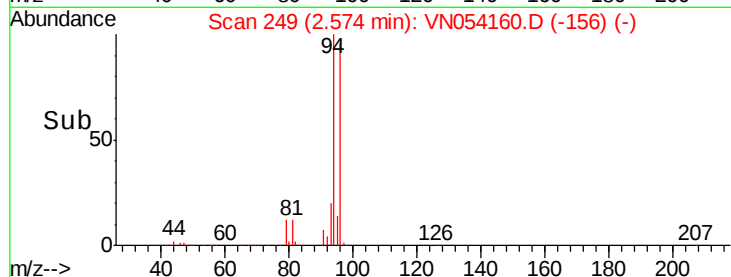
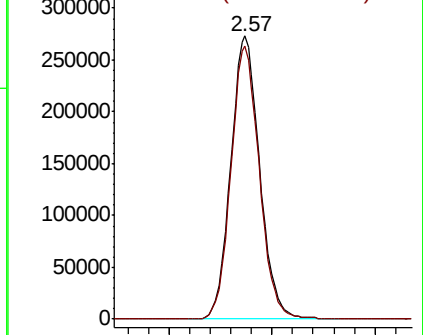
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.896 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

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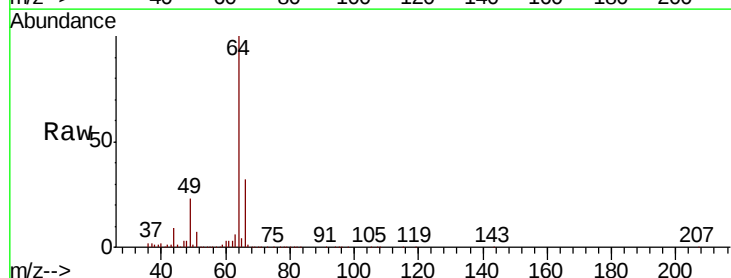
Acq: 12 Mar 2019 11:21

Tgt Ion: 64 Resp: 474131

Ion Ratio Lower Upper

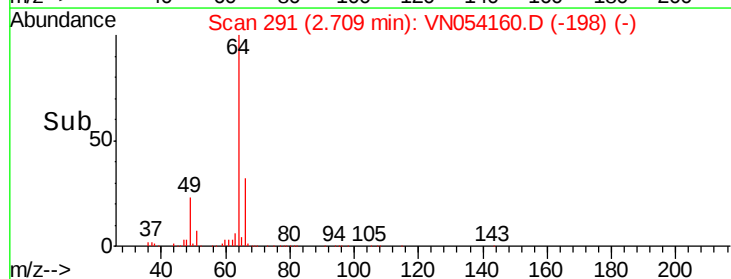
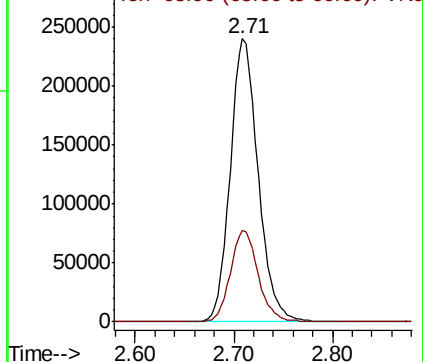
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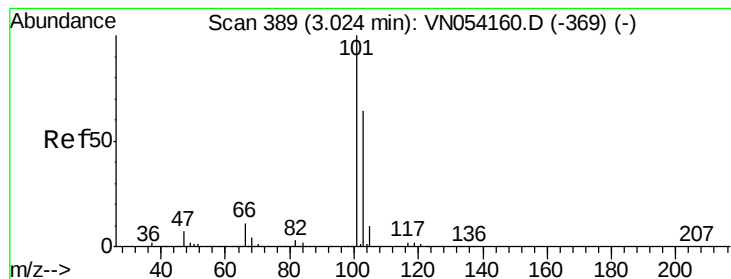
66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





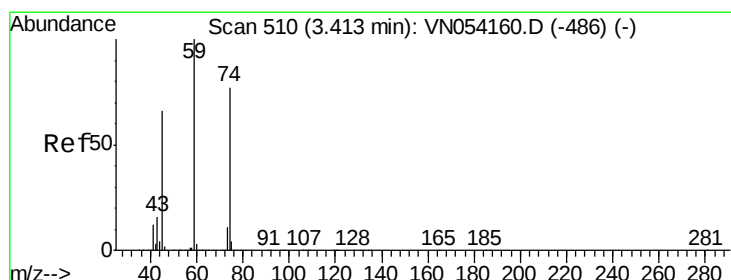
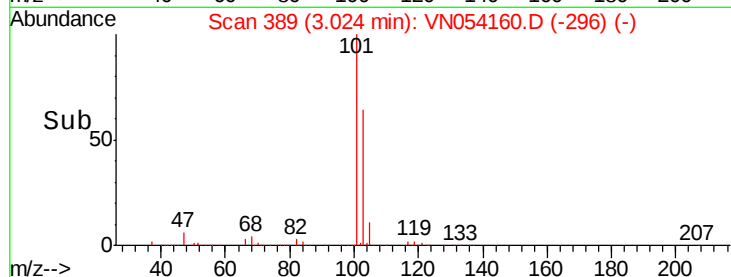
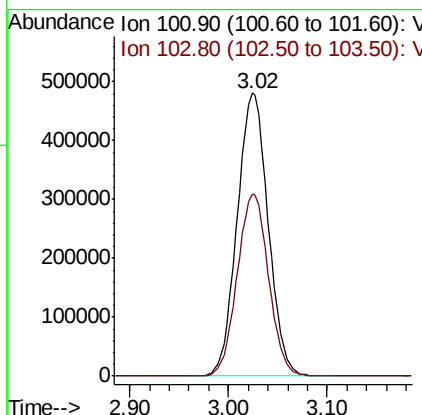
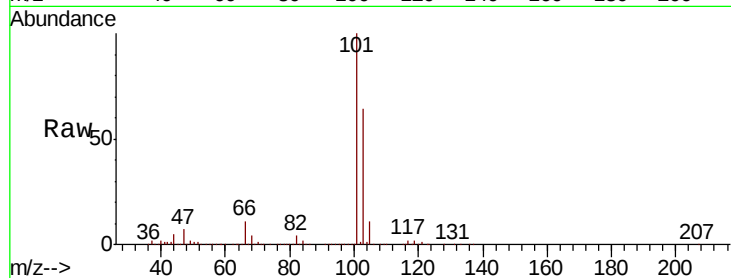
#7
 Trichlorofluoromethane
 Concen: 47.939 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054160.D
 Acq: 12 Mar 2019 11:21

Instrument :
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Tgt Ion:101 Resp: 1042804
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.4 77.2

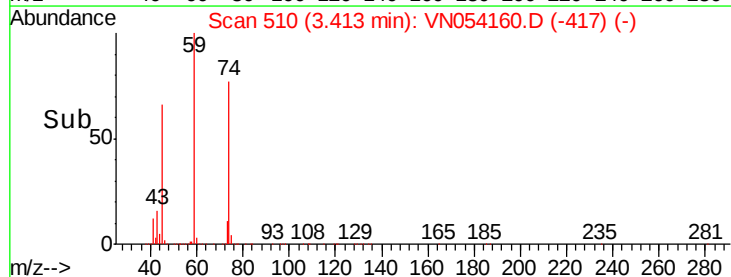
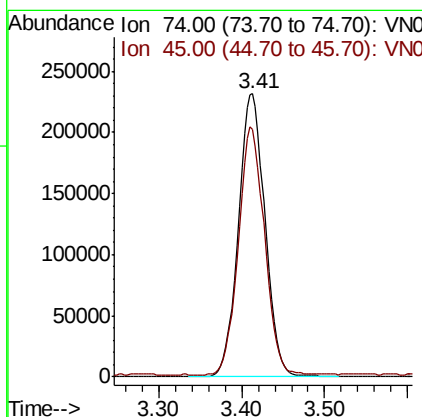
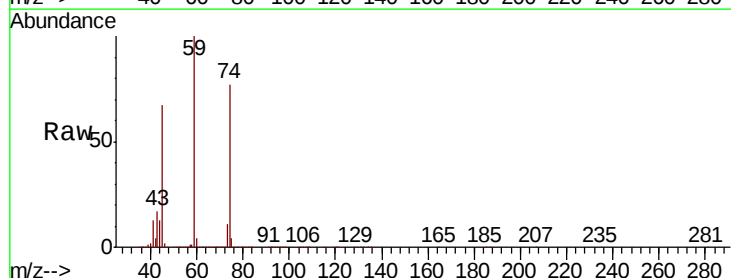
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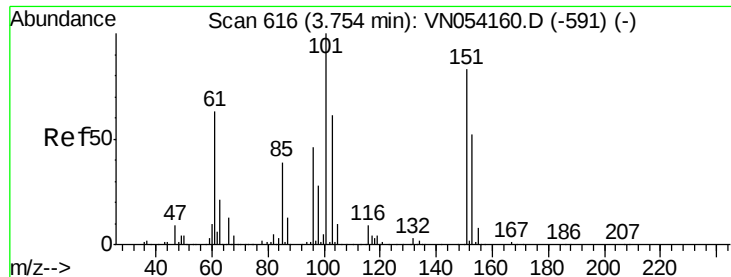
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#8
 Diethyl Ether
 Concen: 52.163 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054160.D
 Acq: 12 Mar 2019 11:21

Tgt Ion: 74 Resp: 517079
 Ion Ratio Lower Upper
 74 100
 45 86.3 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.820 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Instrument :

MSVOA_N

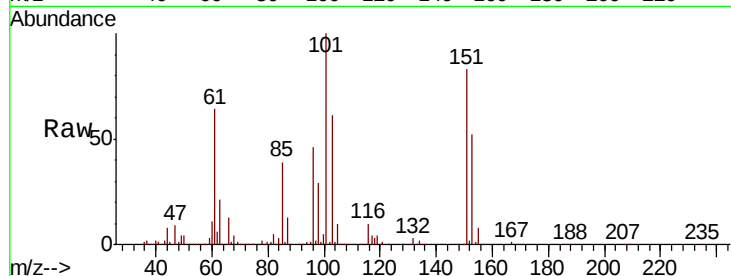
ClientSampleId :

VSTDICCC050

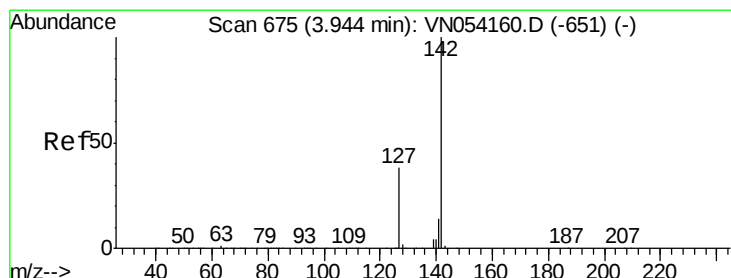
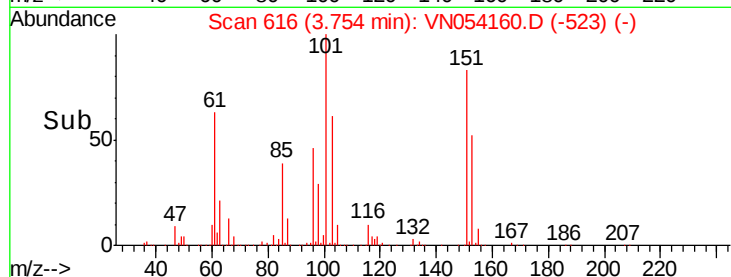
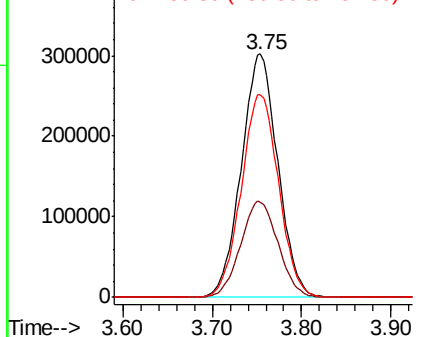
Tgt Ion:	101	Resp:	861002
Ion Ratio	Lower	Upper	
101	100		
85	40.5	32.4	48.6
151	85.2	68.2	102.2

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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: 50.940 ug/l

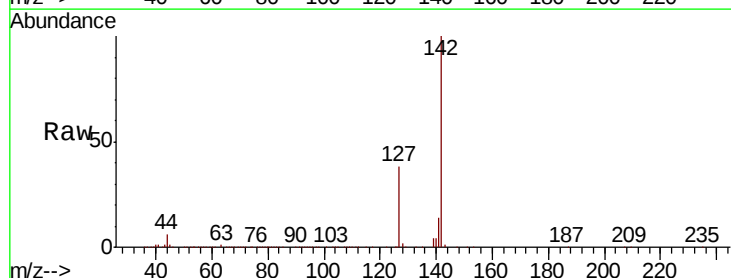
RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

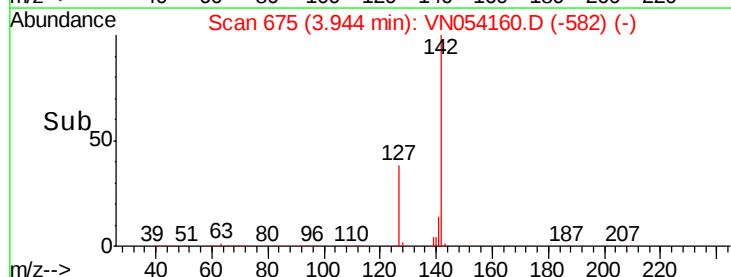
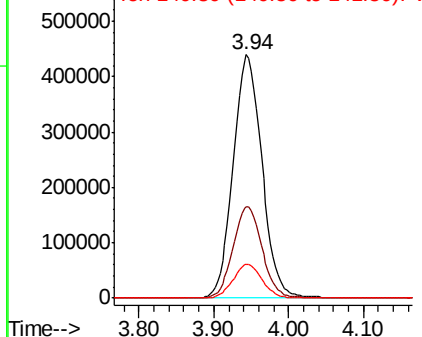
Lab File: VN054160.D

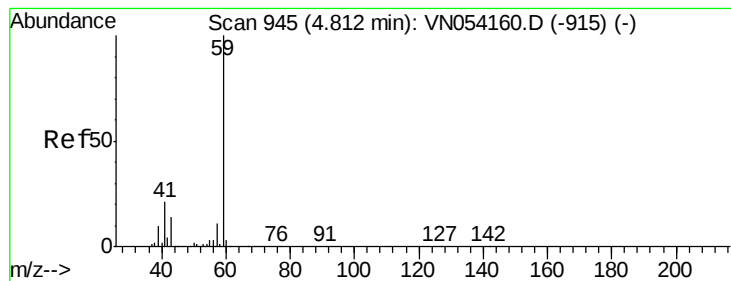
Acq: 12 Mar 2019 11:21

Tgt Ion:	142	Resp:	1179884
Ion Ratio	Lower	Upper	
142	100		
127	37.9	30.3	45.5
141	14.0	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

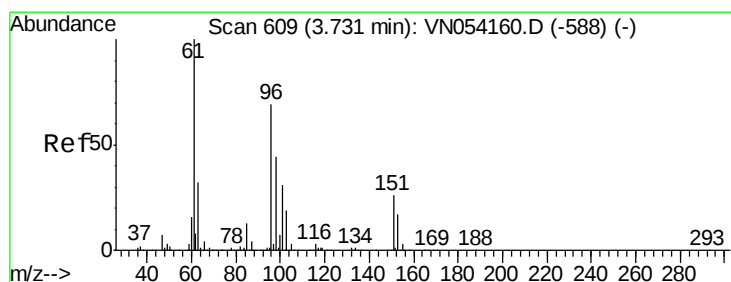
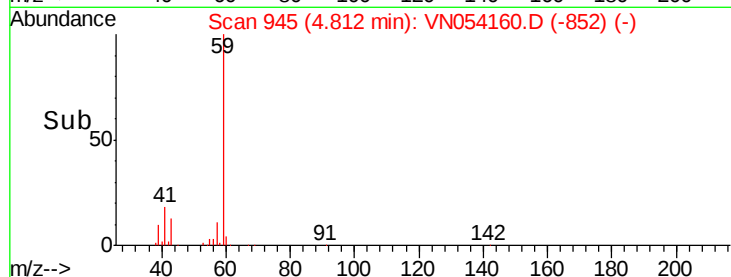
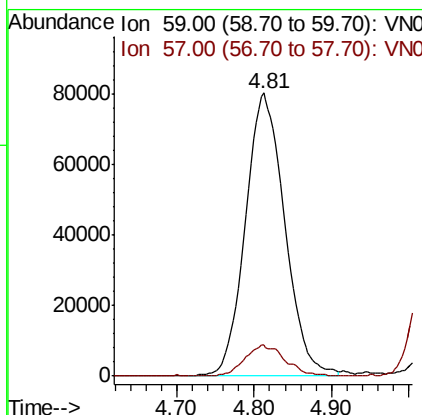
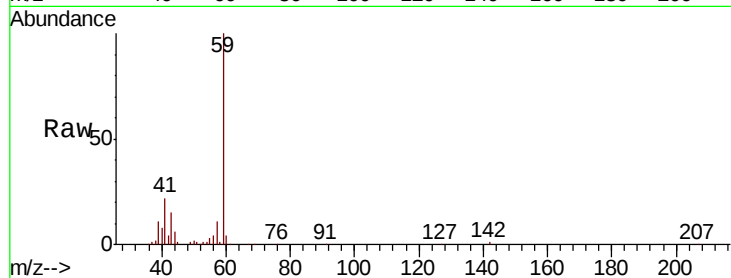
Tert butyl alcohol
 Concen: 250.626 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN054160.D
 Acq: 12 Mar 2019 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 59 Resp: 284870
 Ion Ratio Lower Upper
 59 100
 57 11.3 9.0 13.6

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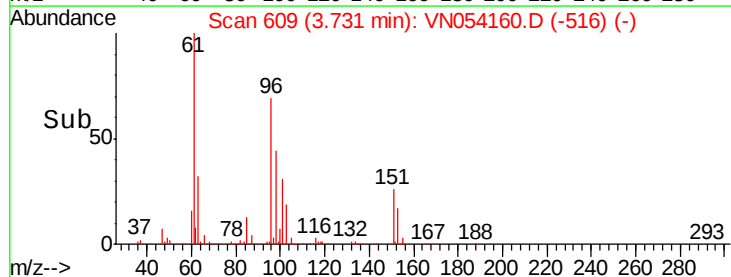
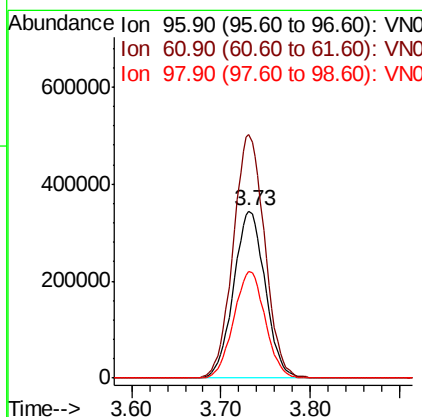
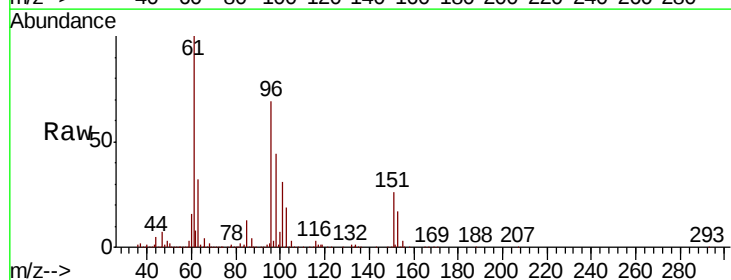
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#12

1,1-Dichloroethene
 Concen: 52.337 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054160.D
 Acq: 12 Mar 2019 11:21

Tgt Ion: 96 Resp: 845433
 Ion Ratio Lower Upper
 96 100
 61 145.6 116.5 174.7
 98 63.7 51.0 76.4





#13

Acrolein

Concen: 261.281 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tgt Ion: 56 Resp: 280277

Ion Ratio Lower Upper

56 100

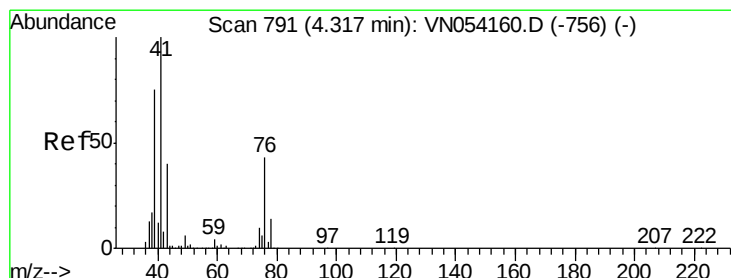
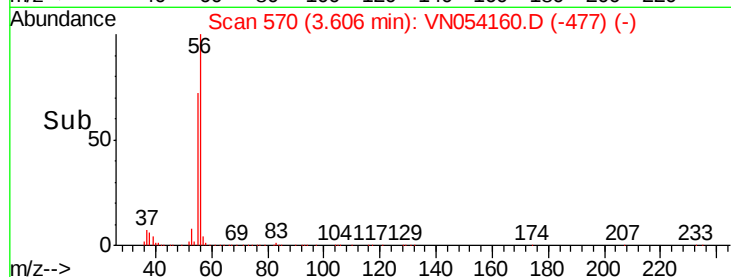
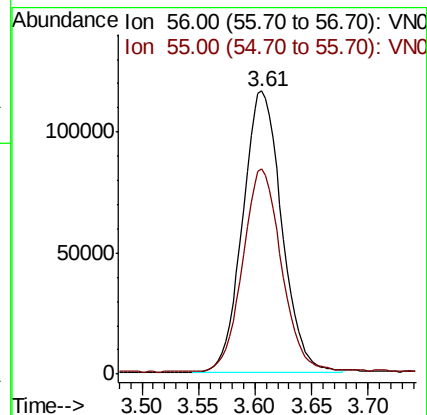
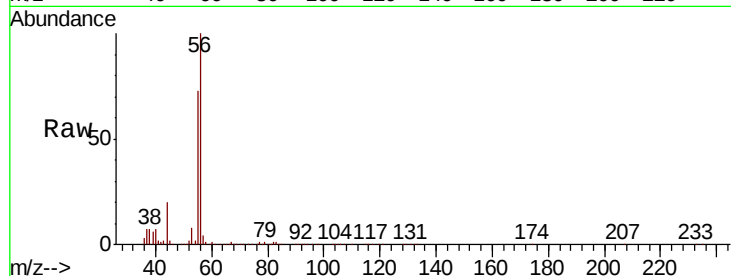
55 70.9 56.7 85.1

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#14

Allyl chloride

Concen: 53.008 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

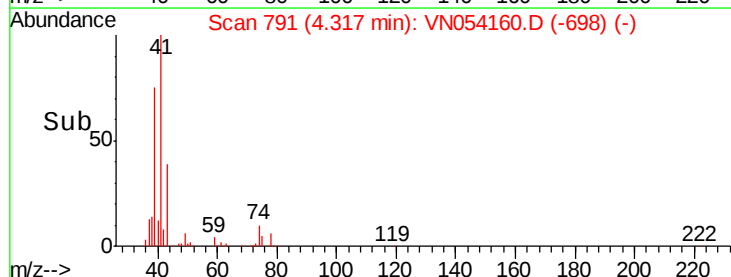
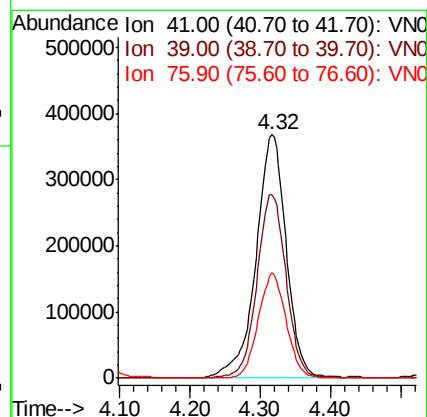
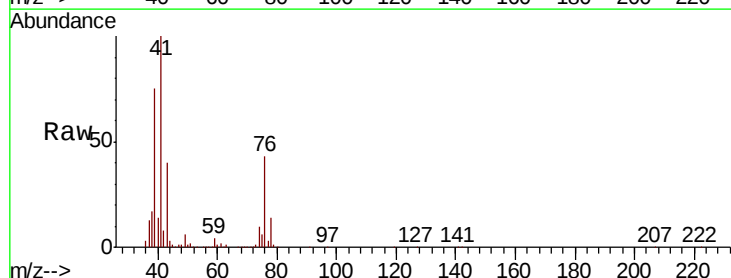
Tgt Ion: 41 Resp: 1098632

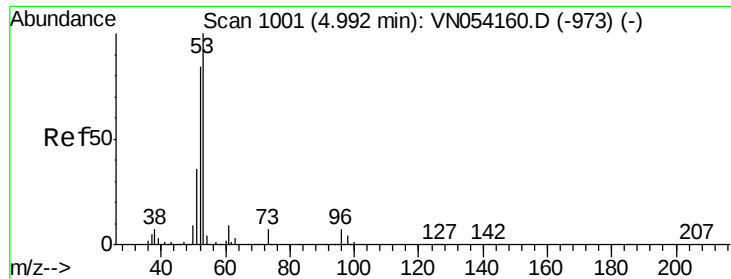
Ion Ratio Lower Upper

41 100

39 72.8 58.2 87.4

76 39.6 31.7 47.5





#15

Acrylonitrile

Concen: 263.832 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Instrument :

MSVOA_N

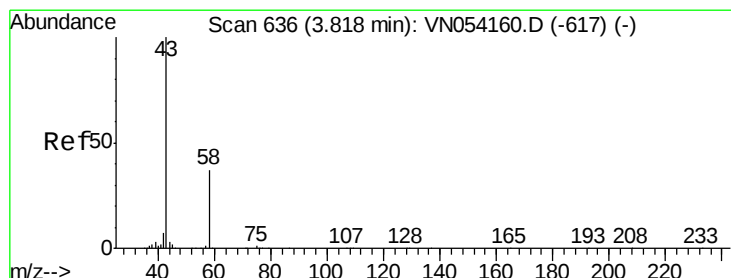
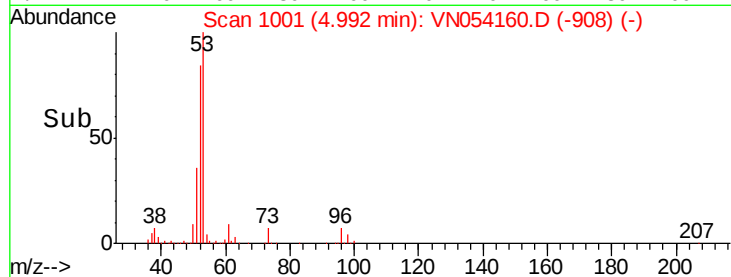
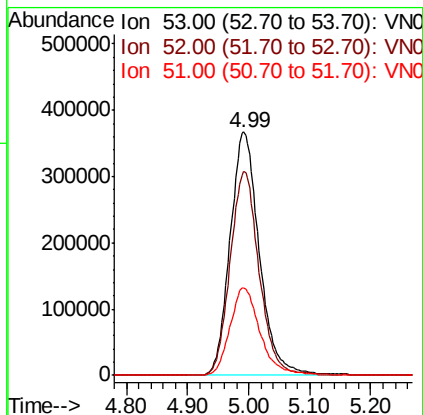
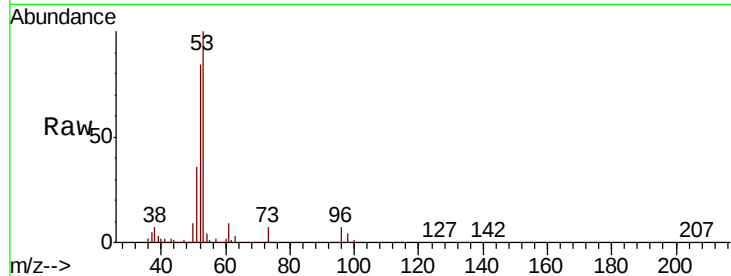
ClientSampleId :

VSTDICCC050

Tgt Ion:	53	Resp:	1226836
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	37.0	29.6	44.4

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#16

Acetone

Concen: 257.690 ug/l

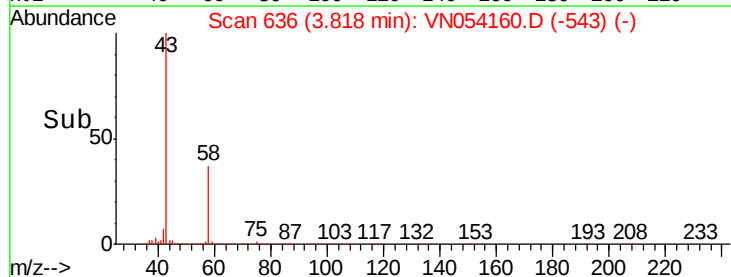
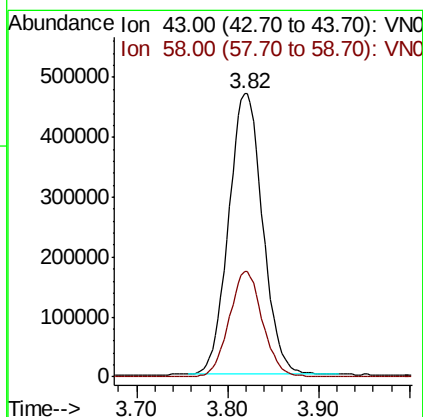
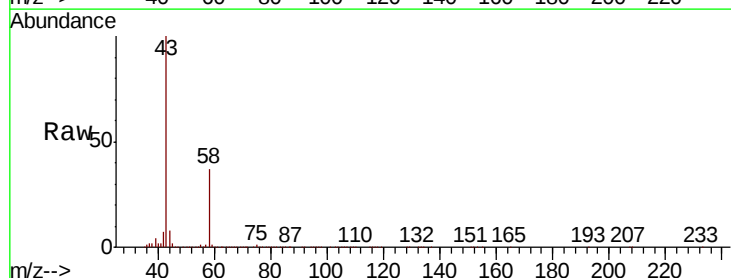
RT: 3.82 min Scan# 636

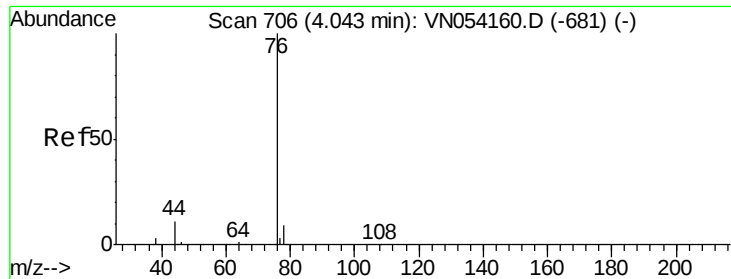
Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Tgt Ion:	43	Resp:	1218368
Ion	Ratio	Lower	Upper
43	100		
58	37.4	29.9	44.9





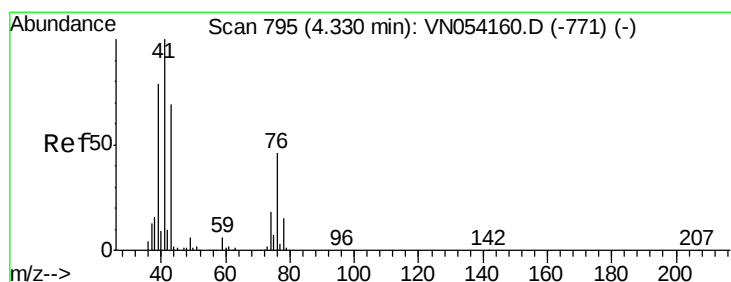
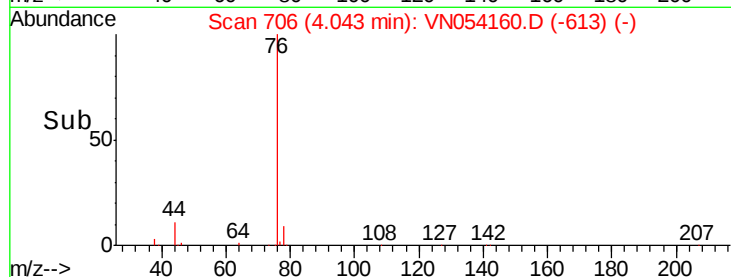
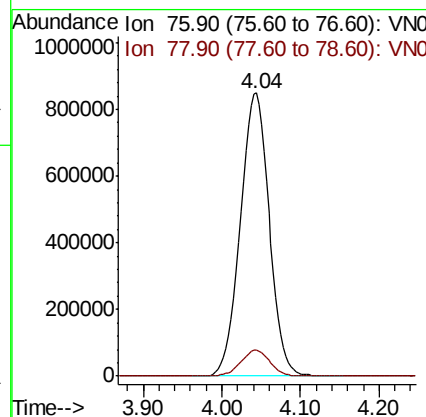
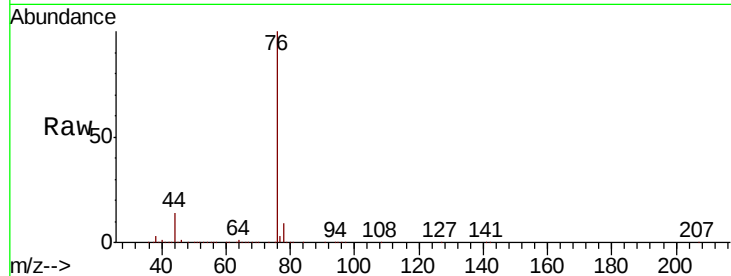
#17
Carbon Disulfide
Concen: 54.063 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 2189253
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3

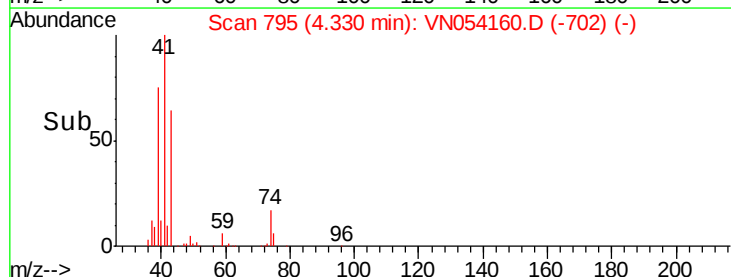
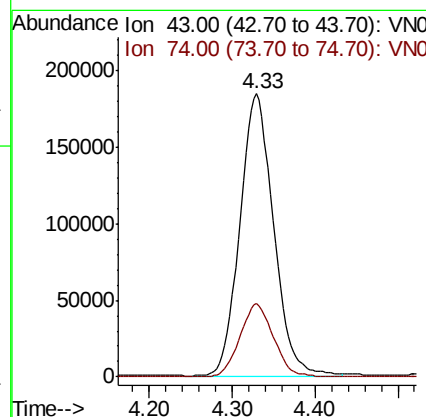
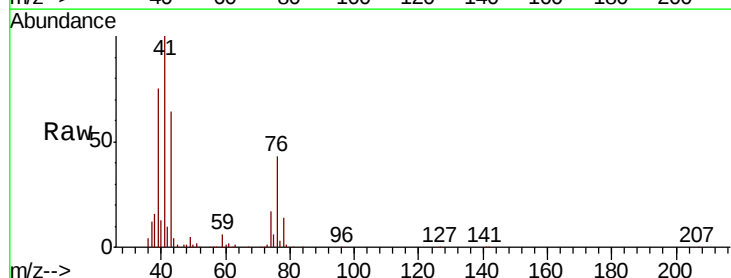
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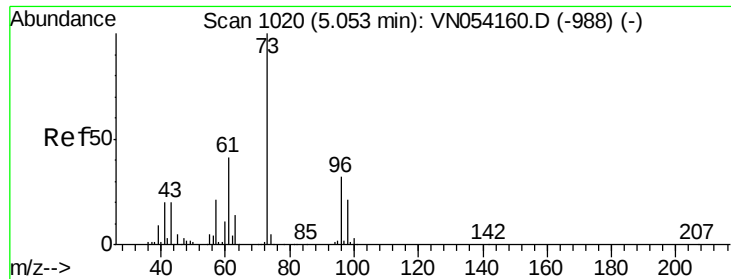
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#18
Methyl Acetate
Concen: 54.397 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Tgt Ion: 43 Resp: 520341
Ion Ratio Lower Upper
43 100
74 26.0 20.8 31.2





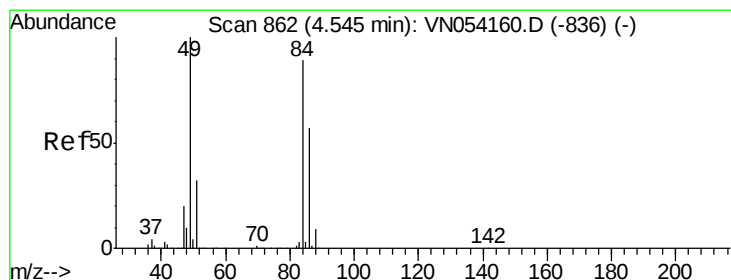
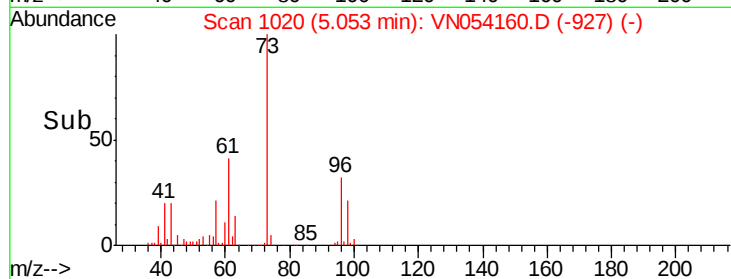
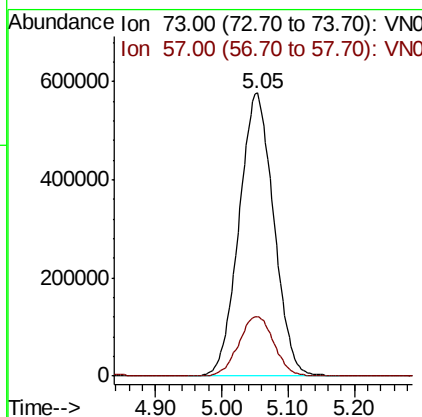
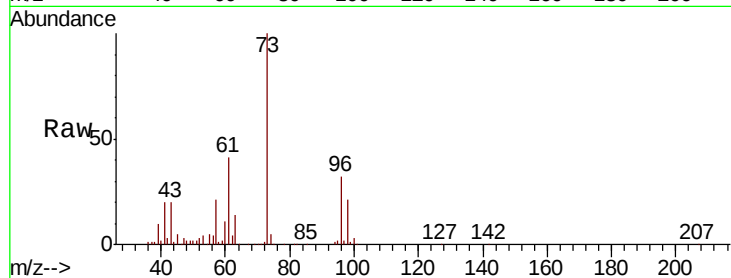
#19
Methyl tert-butyl Ether
Concen: 52.320 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 2094881
Ion Ratio Lower Upper
73 100
57 21.0 16.8 25.2

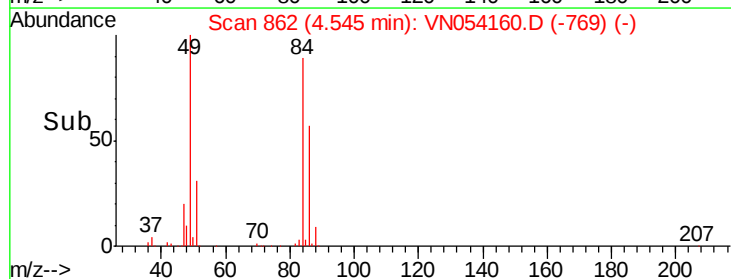
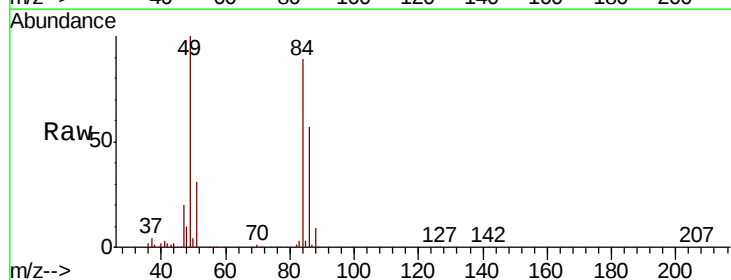
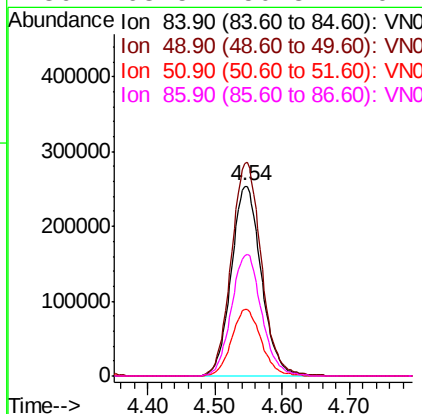
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#20
Methylene Chloride
Concen: 50.826 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Tgt Ion: 84 Resp: 789057
Ion Ratio Lower Upper
84 100
49 112.1 89.7 134.5
51 35.3 28.2 42.4
86 63.5 50.8 76.2





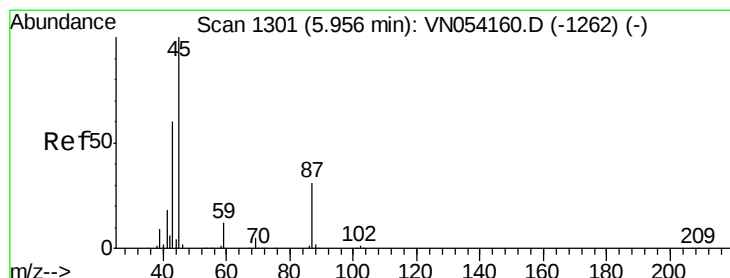
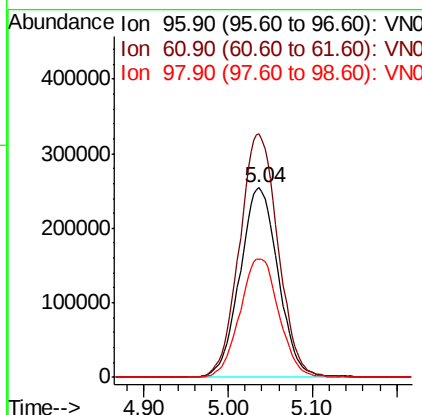
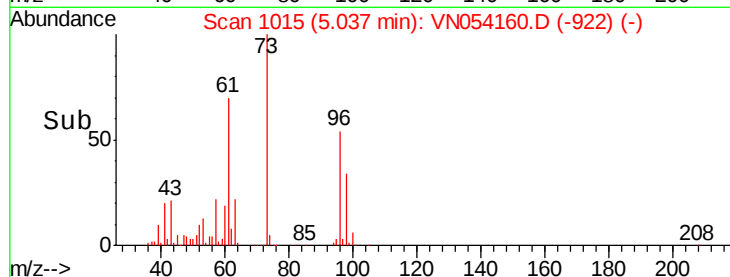
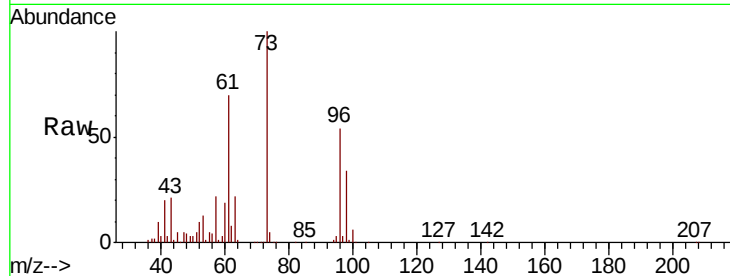
#21
trans-1,2-Dichloroethene
Concen: 51.823 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.5	102.8	154.2
98	62.5	50.0	75.0

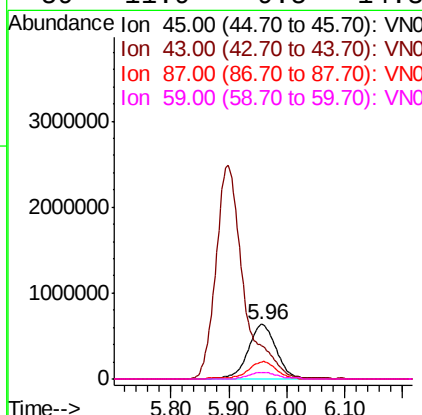
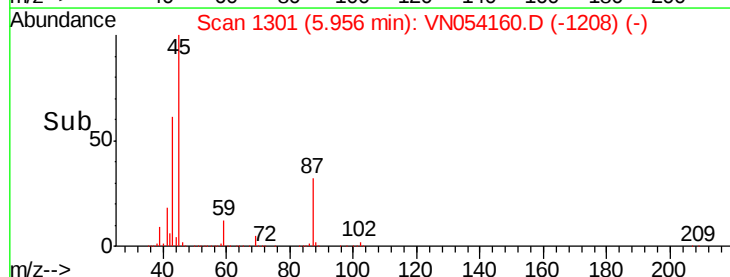
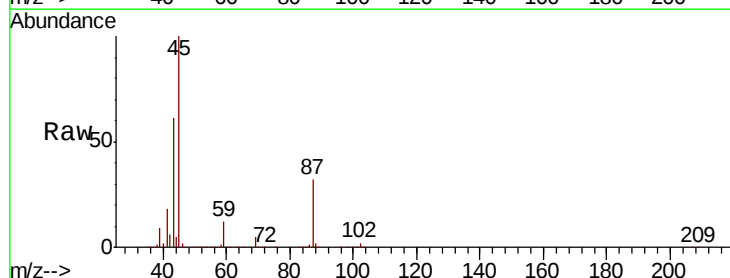
Manual Integrations
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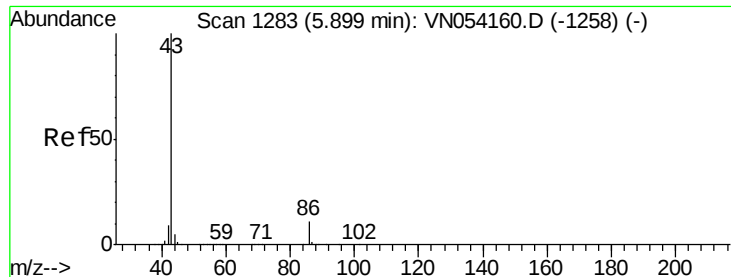
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#22
Diisopropyl ether
Concen: 52.581 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.2	48.2	72.2
87	31.1	24.9	37.3
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 270.957 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tgt Ion: 43 Resp: 8263763

Ion Ratio Lower Upper

43 100

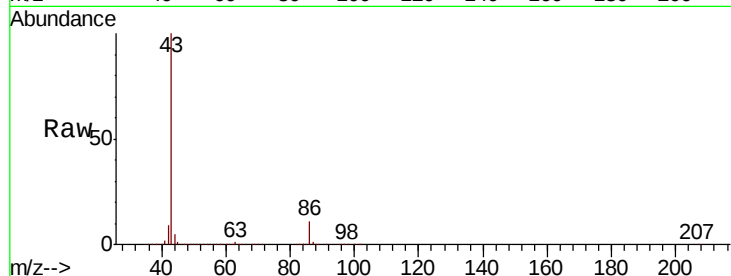
86 11.4 9.1 13.7

Manual Integrations

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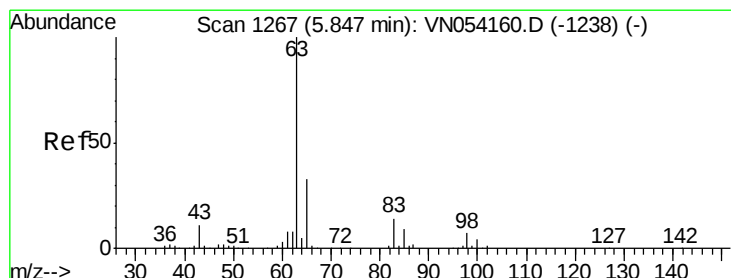
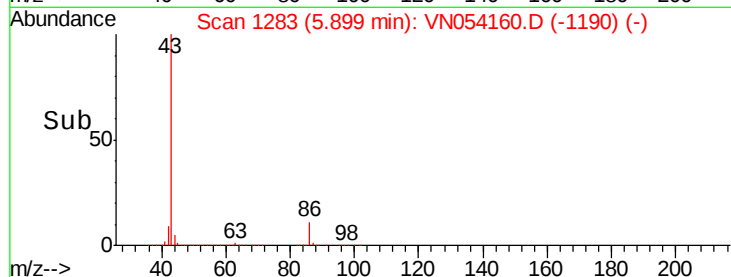
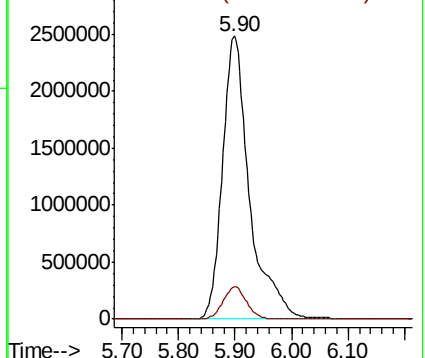
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 51.888 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

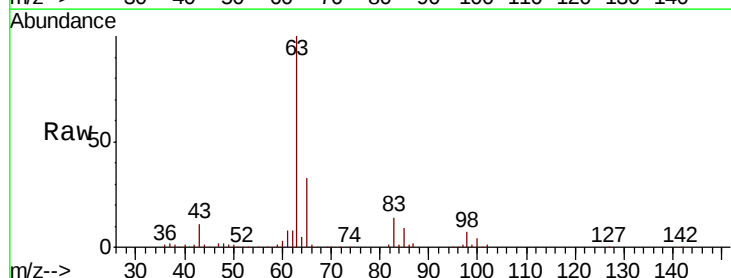
Tgt Ion: 63 Resp: 1378126

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

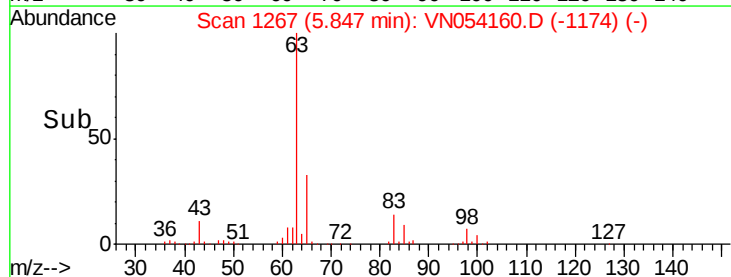
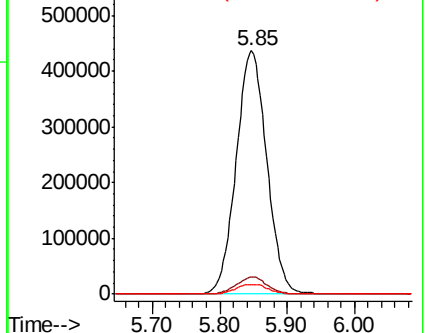
100 4.0 2.0 6.0

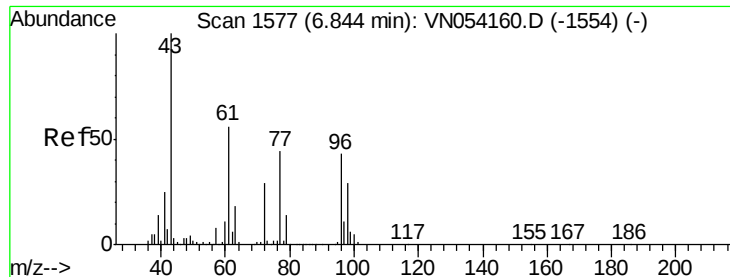


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





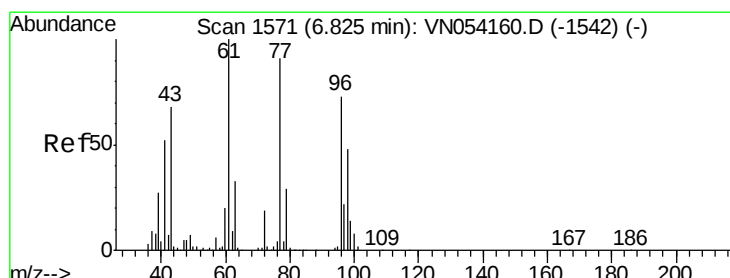
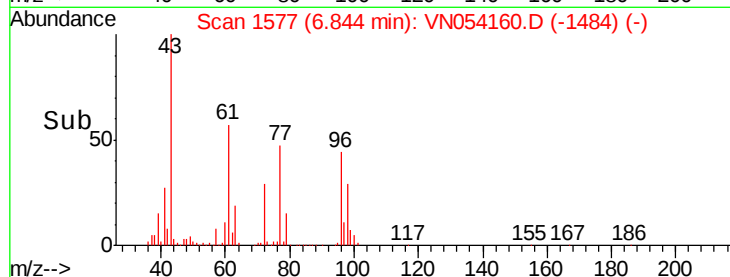
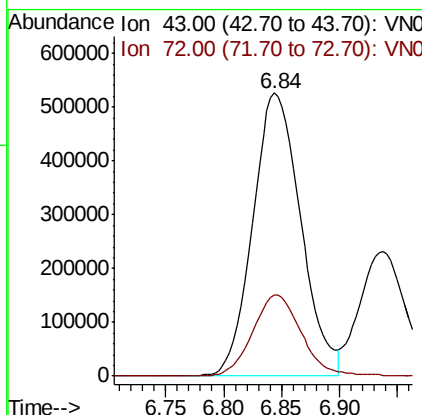
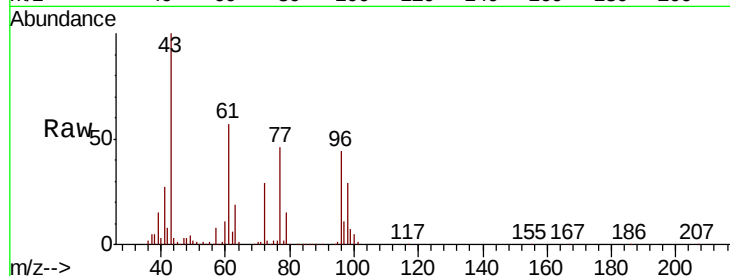
#25
2-Butanone
Concen: 271.752 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1508023
Ion Ratio Lower Upper
43 100
72 28.8 23.0 34.6

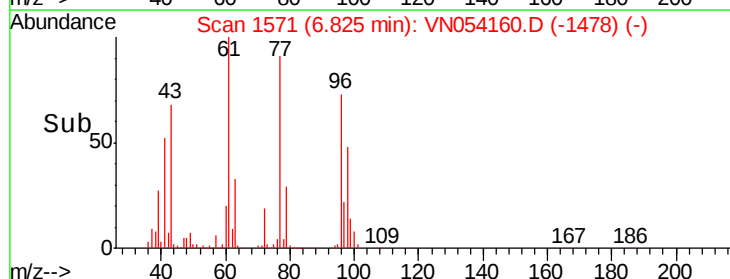
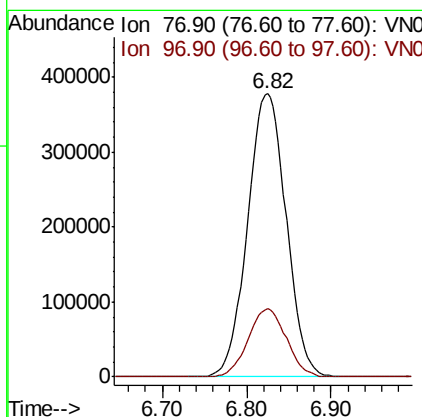
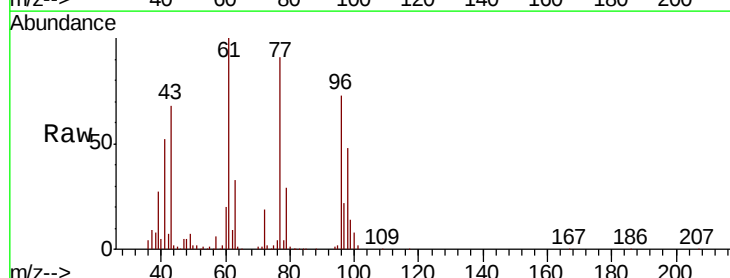
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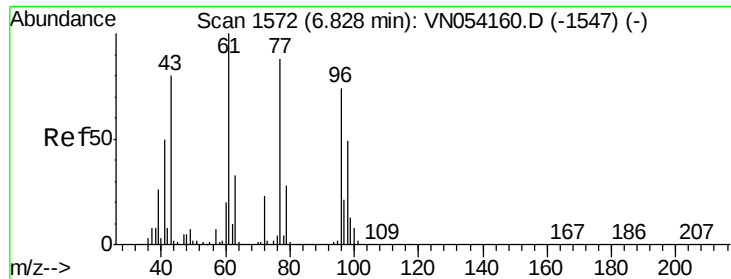
MMDadoda
3/13/2019 11:49:13 AM



#26
2,2-Dichloropropane
Concen: 51.387 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Tgt Ion: 77 Resp: 1200218
Ion Ratio Lower Upper
77 100
97 23.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 52.647 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Instrument :

MSVOA_N

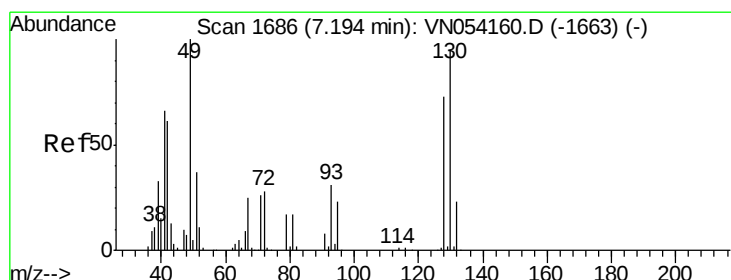
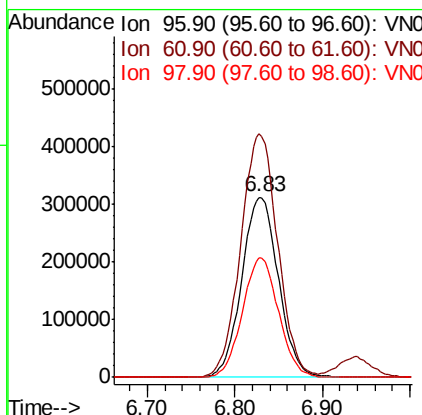
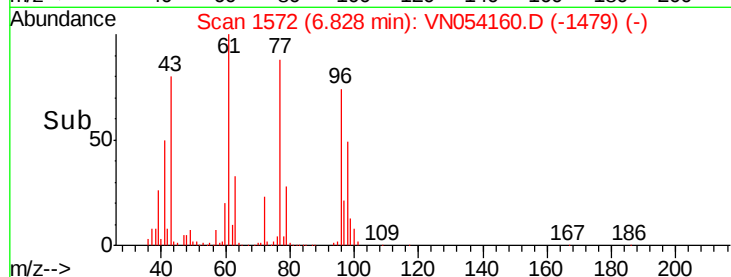
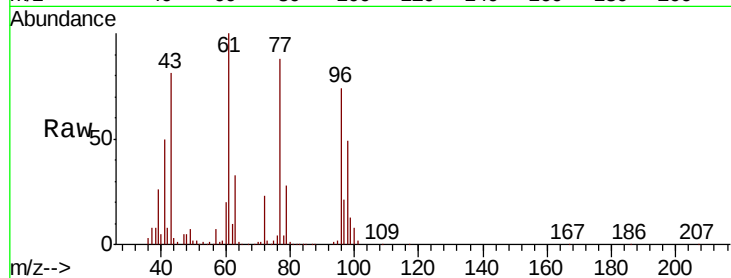
ClientSampleId :

VSTDICCC050

Tgt Ion:	96	Resp:	909043
Ion Ratio	Lower	Upper	
96	100		
61	136.5	0.0	273.0
98	65.3	0.0	130.6

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#28

Bromochloromethane

Concen: 51.621 ug/l

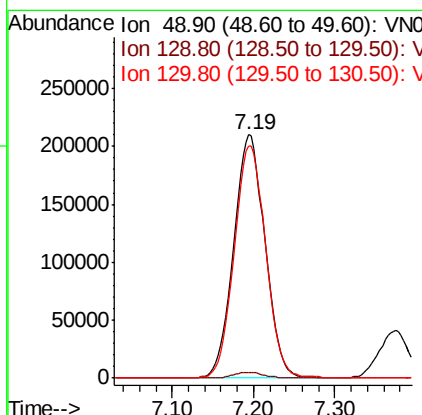
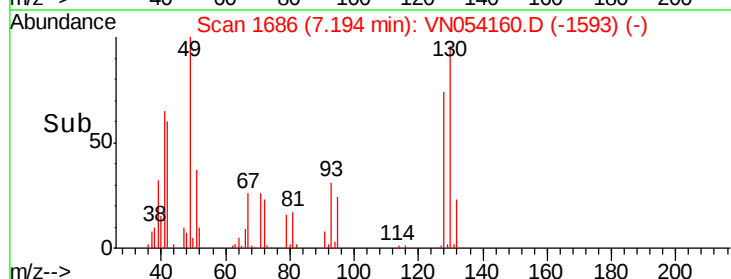
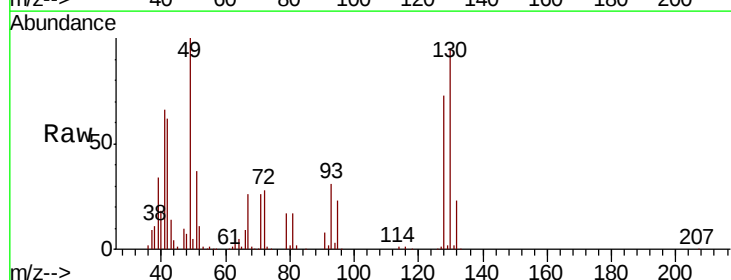
RT: 7.19 min Scan# 1686

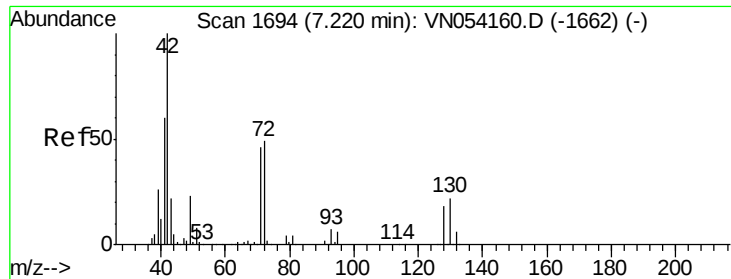
Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Tgt Ion:	49	Resp:	560492
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	4.6
130	95.9	76.7	115.1





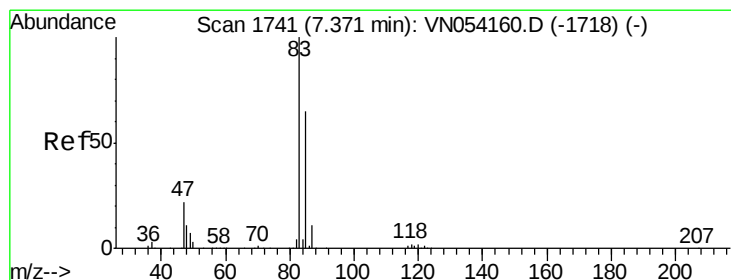
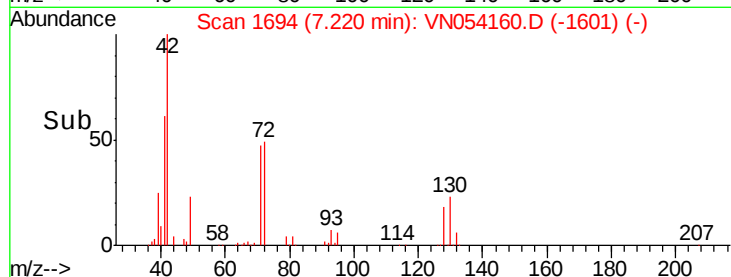
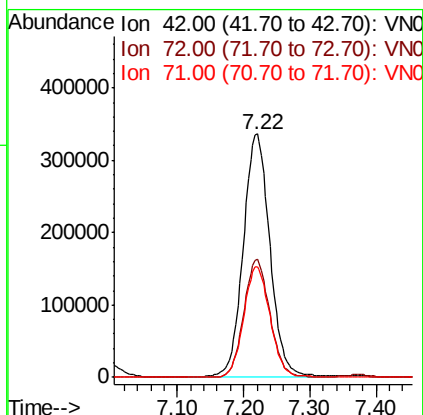
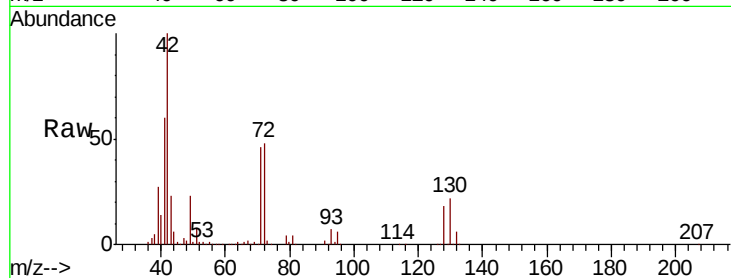
#29
Tetrahydrofuran
Concen: 262.534 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.8	56.6
71	45.2	36.2	54.2

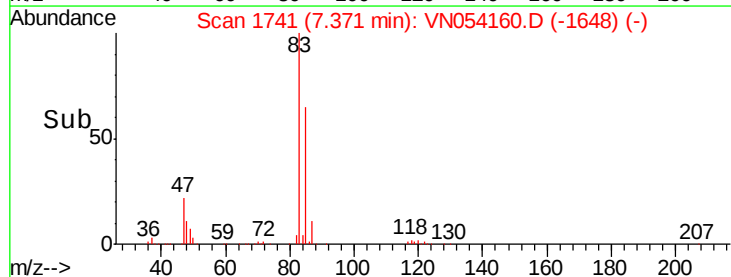
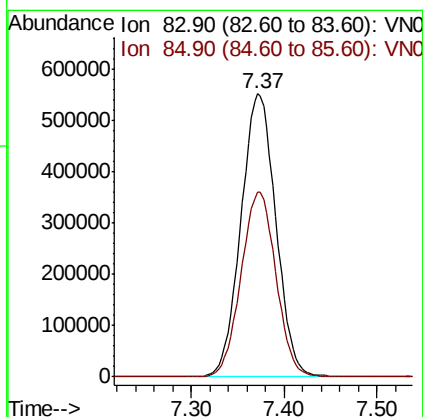
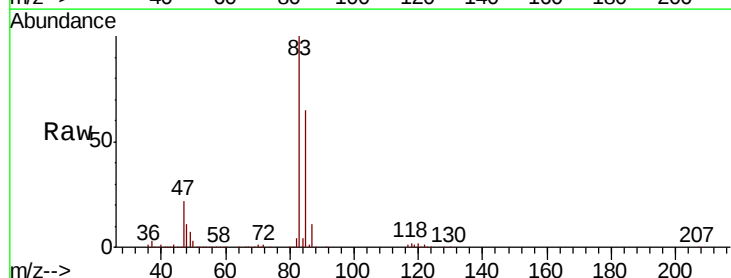
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#30
Chloroform
Concen: 52.080 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4





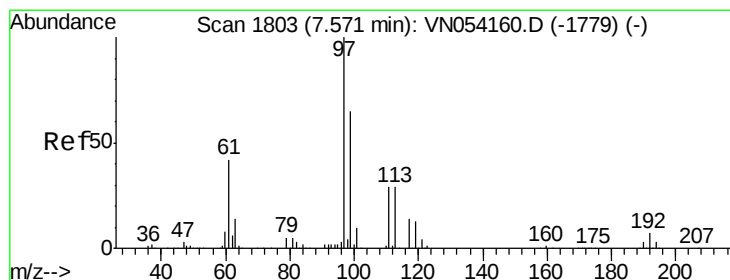
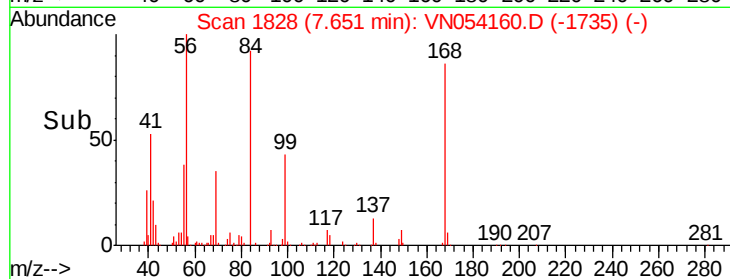
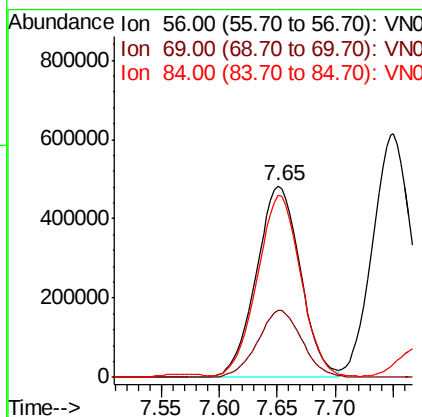
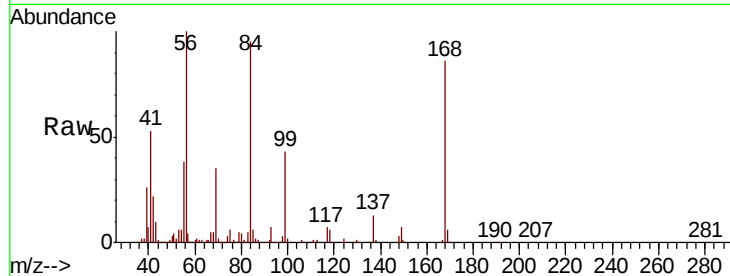
#31
Cyclohexane
Concen: 51.442 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 1276471
Ion Ratio Lower Upper
56 100
69 34.7 27.8 41.6
84 93.2 74.6 111.8

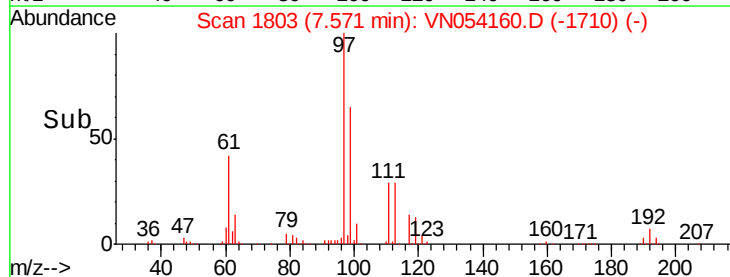
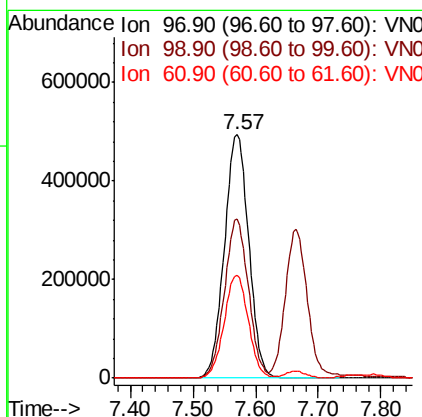
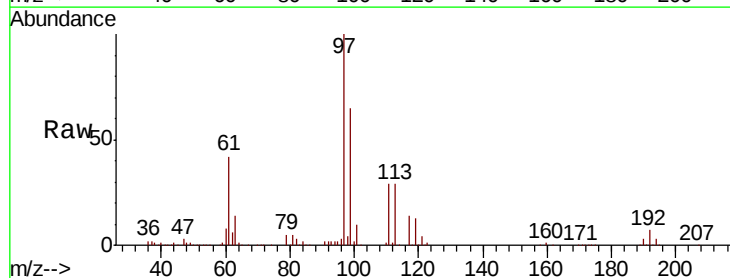
Manual Integrations
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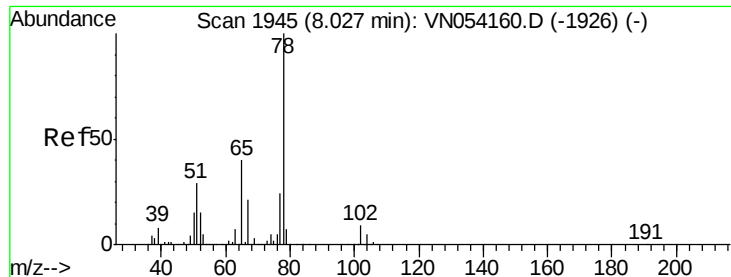
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#32
1,1,1-Trichloroethane
Concen: 53.080 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Tgt Ion: 97 Resp: 1328582
Ion Ratio Lower Upper
97 100
99 64.4 51.5 77.3
61 42.0 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 50.497 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 833851

Ion Ratio Lower Upper

65 100

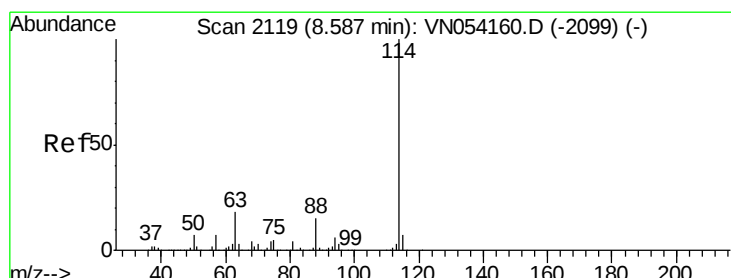
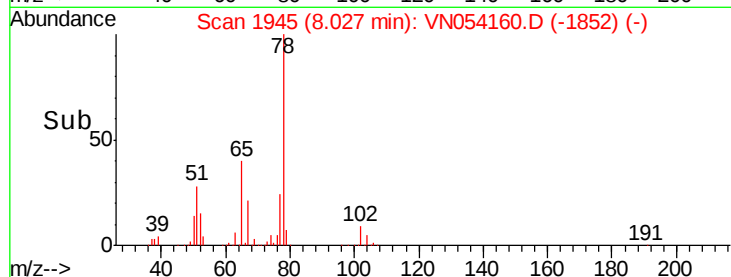
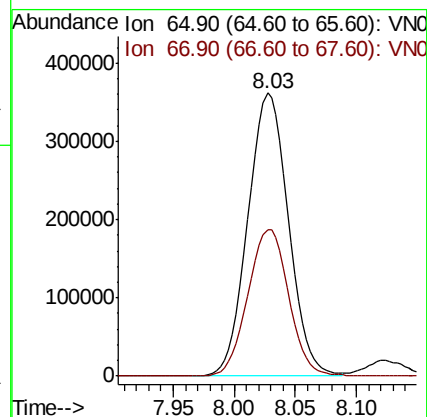
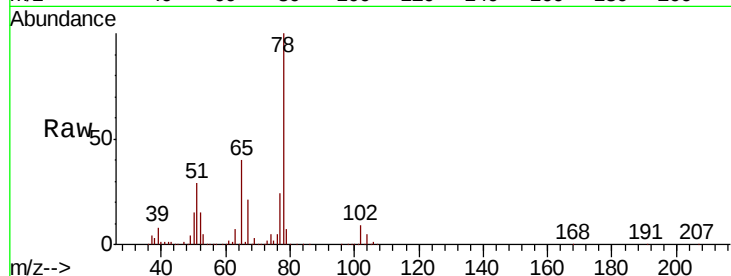
67 52.3 0.0 104.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

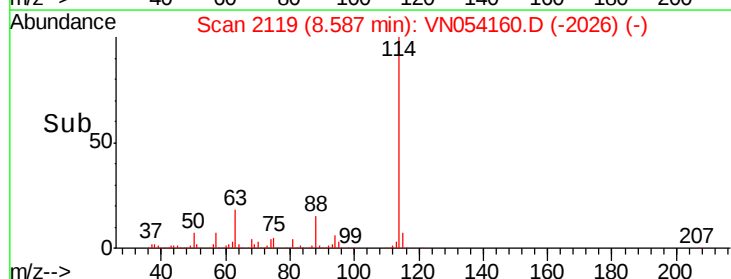
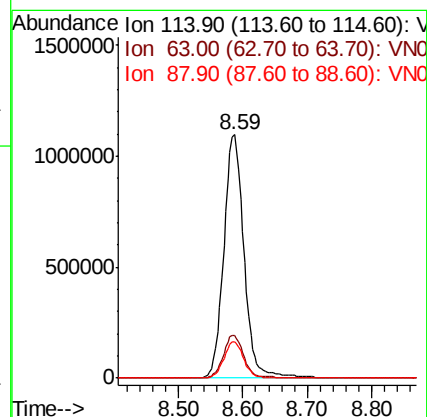
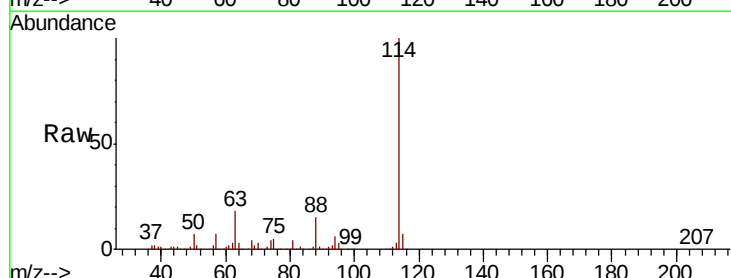
Tgt Ion: 114 Resp: 2386411

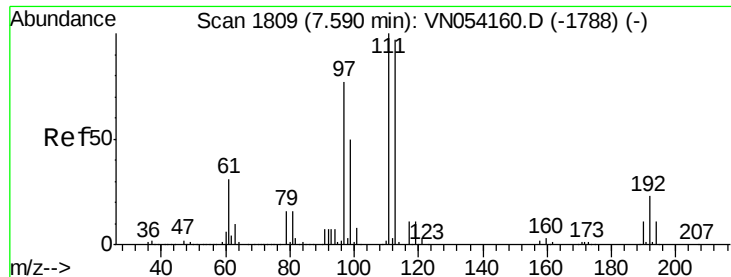
Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.2

88 15.1 0.0 30.2





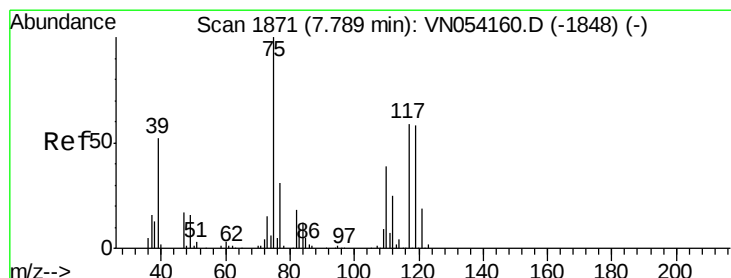
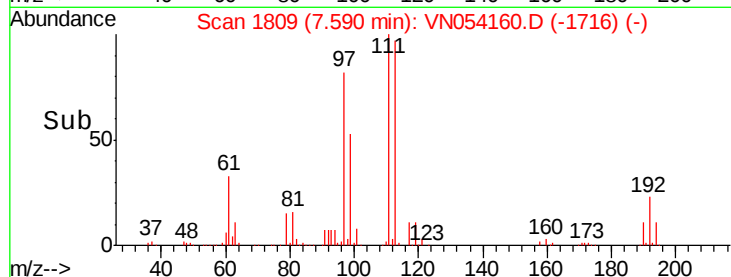
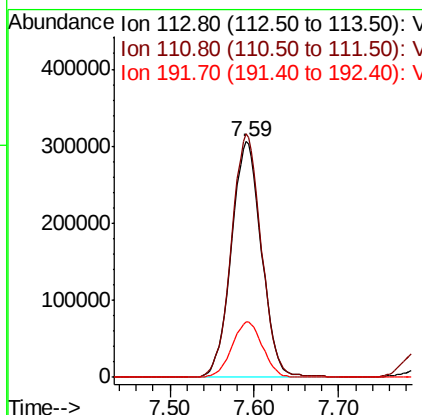
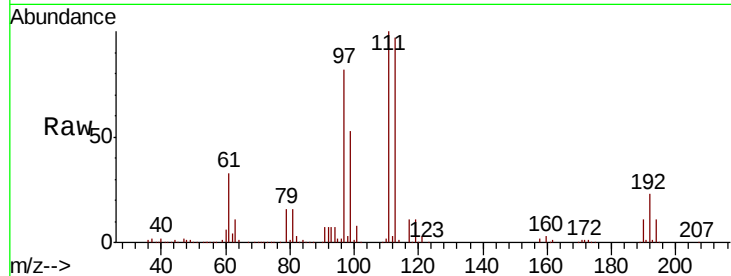
#35
 Dibromofluoromethane
 Concen: 49.499 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054160.D
 Acq: 12 Mar 2019 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	761856		
111	102.8	82.2	123.4	
192	24.0	19.2	28.8	

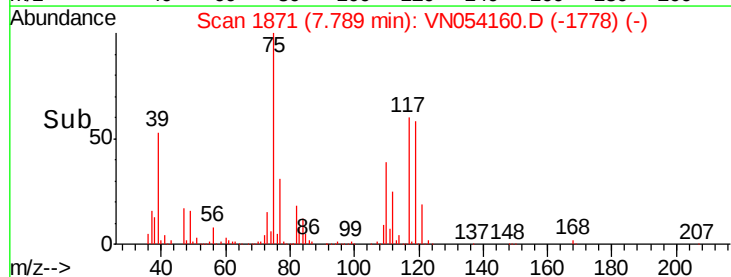
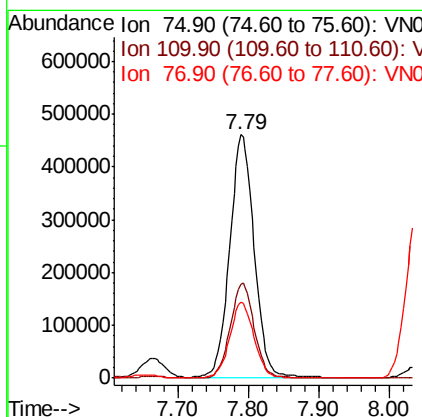
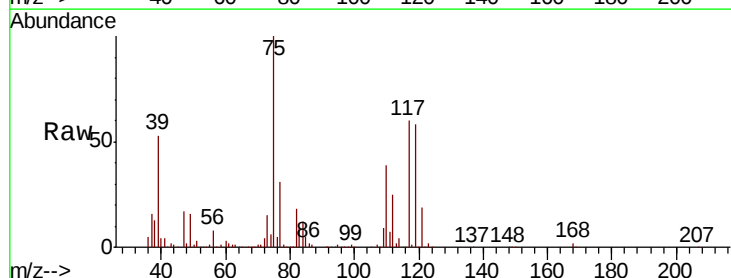
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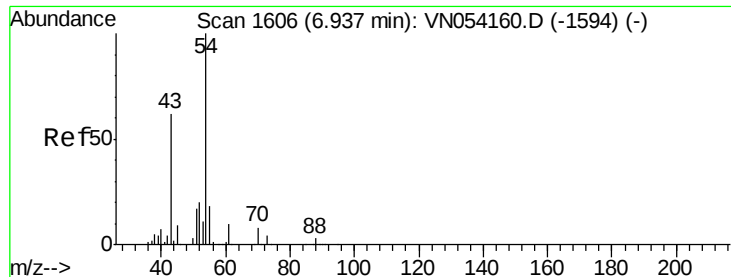
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#36
 1,1-Dichloropropene
 Concen: 50.905 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054160.D
 Acq: 12 Mar 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1118728		
110	38.3	19.1	57.5	
77	31.2	25.0	37.4	





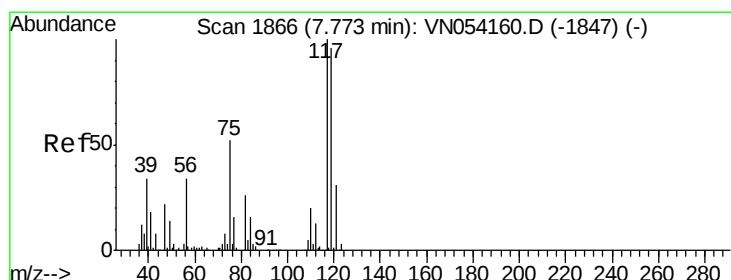
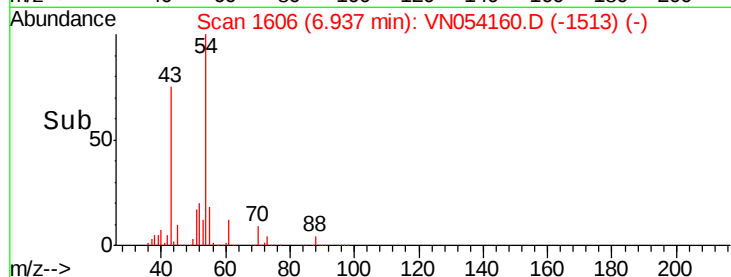
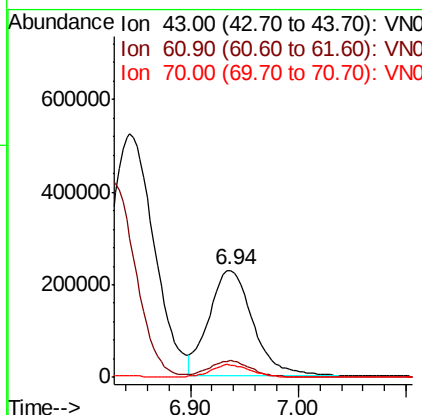
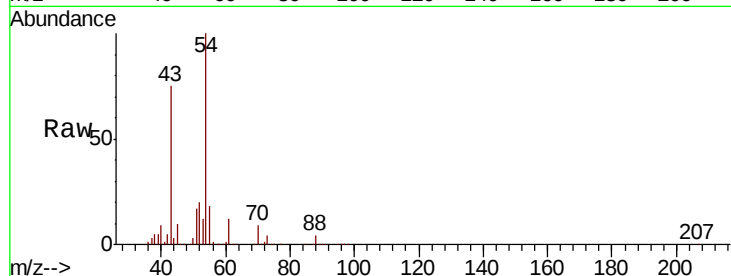
#37
Ethyl Acetate
 Concen: 49.985 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. 0.00 min
 Lab File: VN054160.D
 Acq: 12 Mar 2019 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.6
70	10.5	8.4	12.6

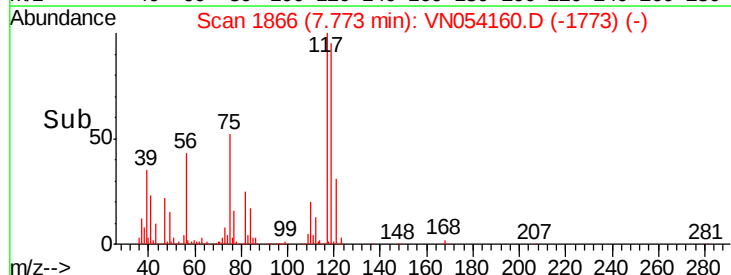
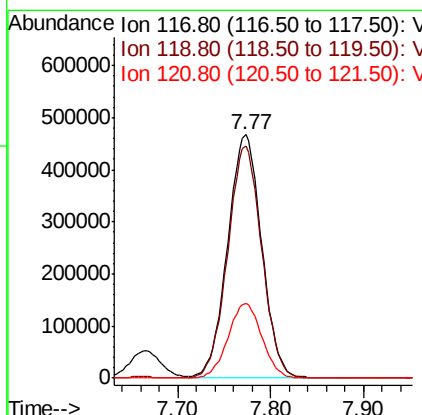
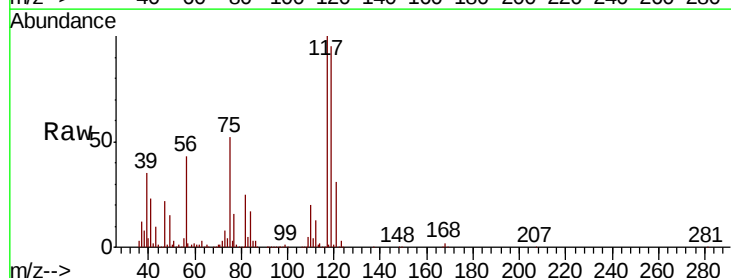
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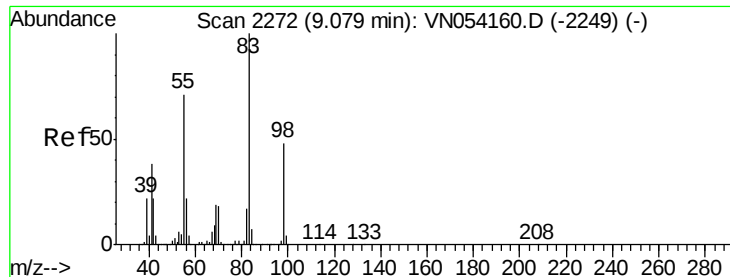
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#38
Carbon Tetrachloride
 Concen: 51.464 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN054160.D
 Acq: 12 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.3	114.5
121	30.7	24.6	36.8





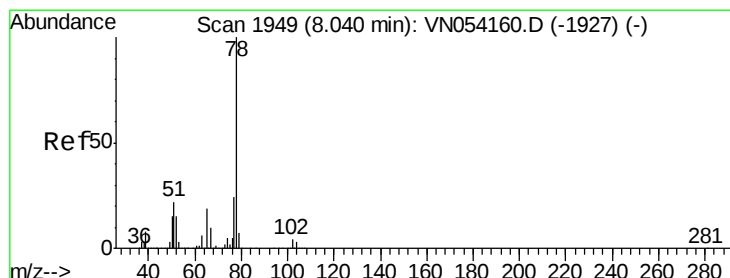
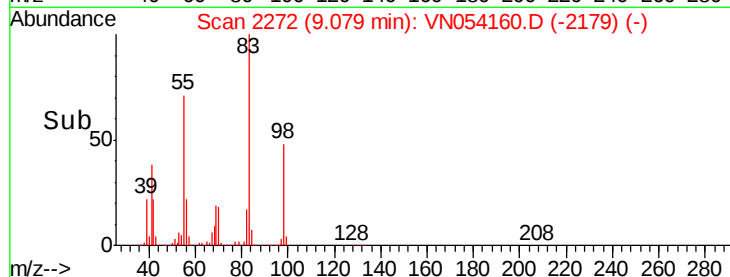
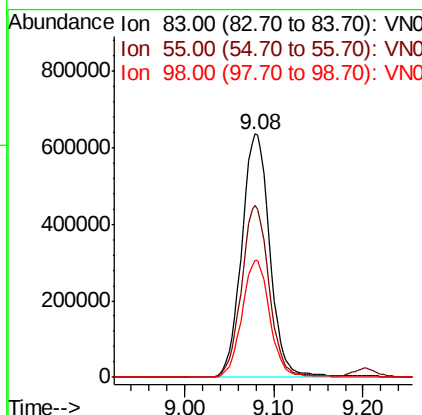
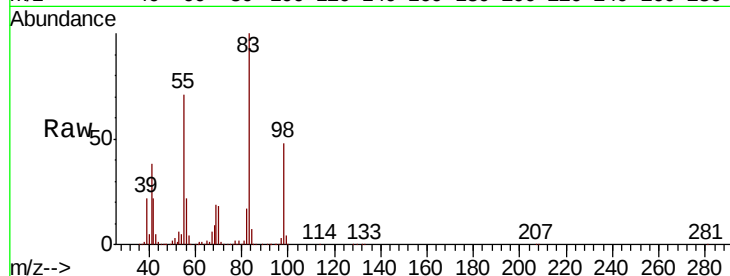
#39
Methylcyclohexane
Concen: 51.451 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 1391212
Ion Ratio Lower Upper
83 100
55 70.7 56.6 84.8
98 48.0 38.4 57.6

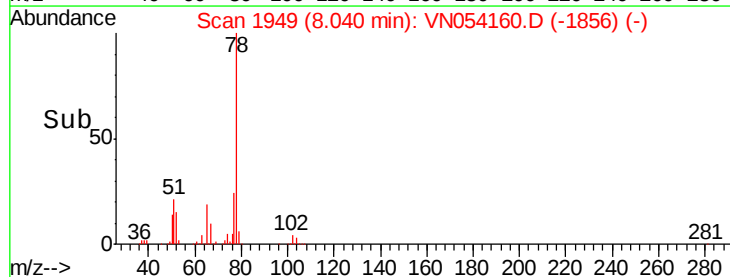
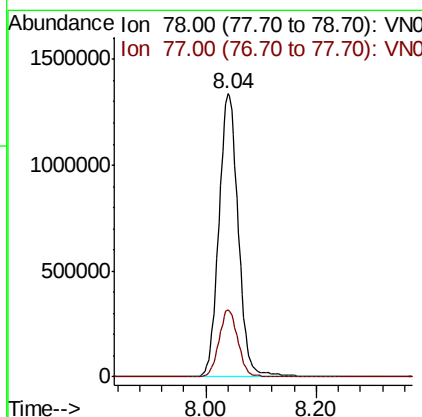
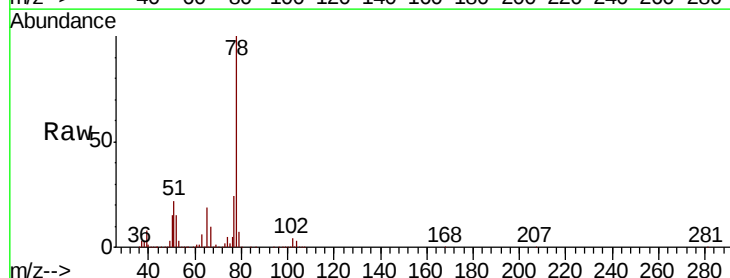
Manual Integrations
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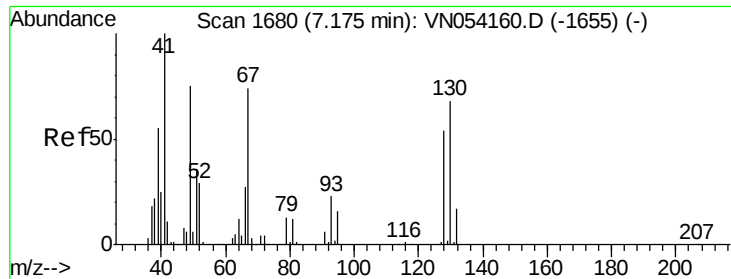
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#40
Benzene
Concen: 51.408 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Tgt Ion: 78 Resp: 3232991
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7





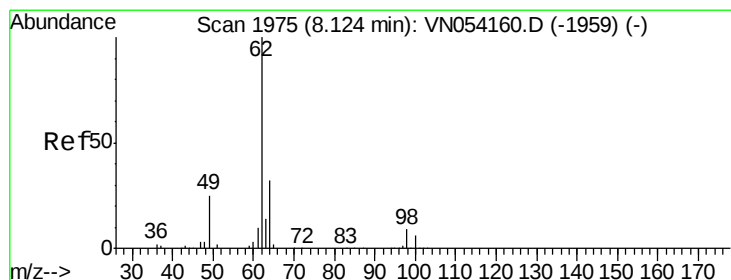
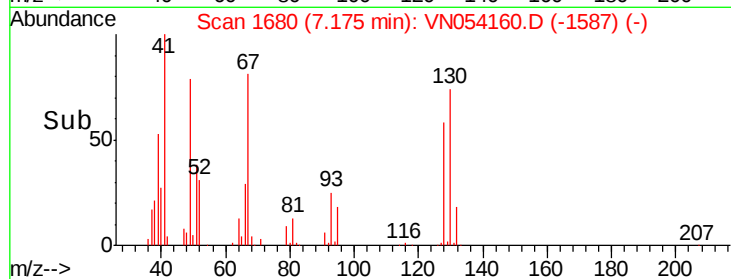
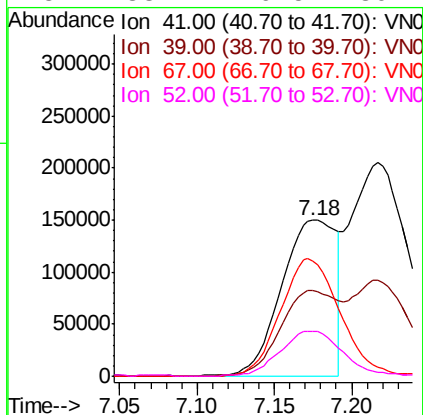
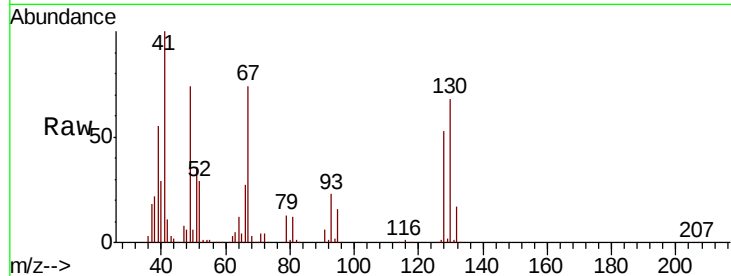
#41
Methacrylonitrile
Concen: 52.565 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.5	46.8	70.2
67	83.7	67.0	100.4
52	33.1	26.5	39.7

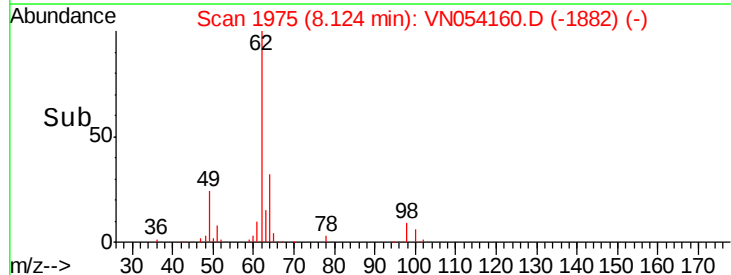
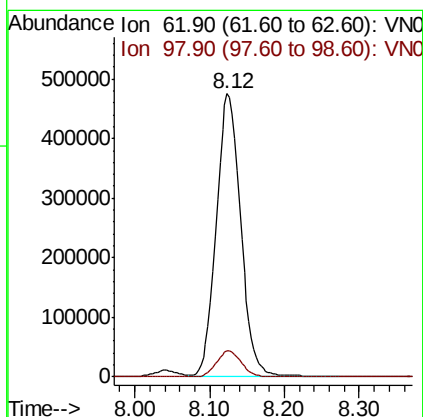
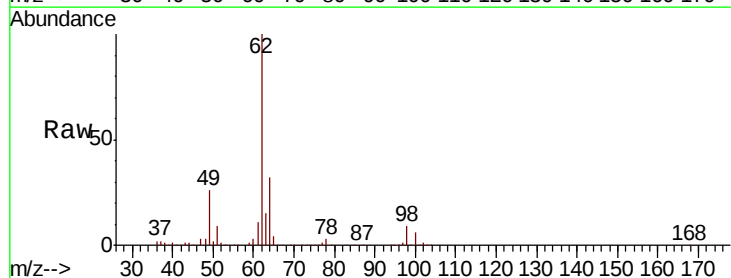
Manual Integrations
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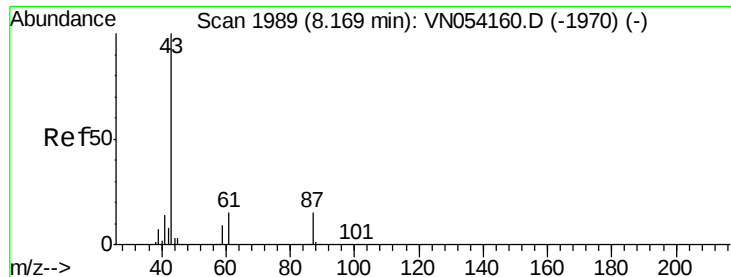
MMDadoda
3/13/2019 11:49:13 AM



#42
1,2-Dichloroethane
Concen: 50.718 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4





#43

Isopropyl Acetate

Concen: 52.182 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 1156616

Ion Ratio Lower Upper

43 100

61 19.8 15.8 23.8

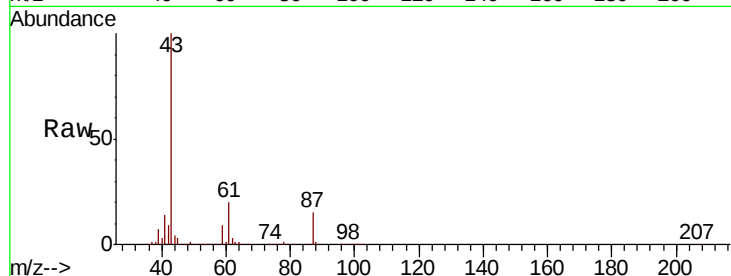
87 15.0 12.0 18.0

Manual Integrations

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3/13/2019 11:49:13 AM

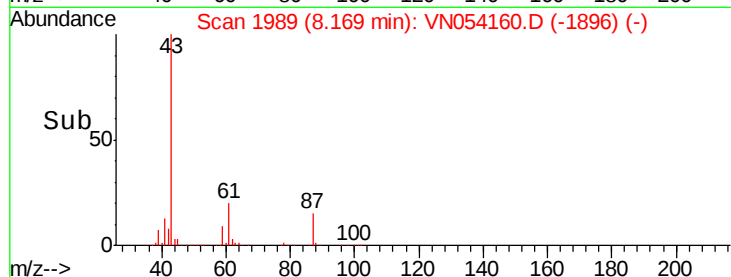


Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1970) (-)

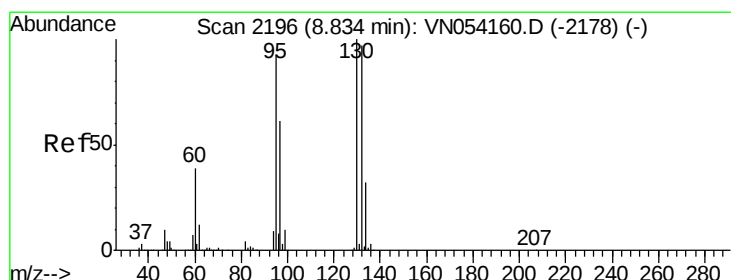
Ion 61.00 (60.70 to 61.70): VN054160.D (-1970) (-)

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

8.17



Time-->



#44

Trichloroethene

Concen: 51.058 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054160.D

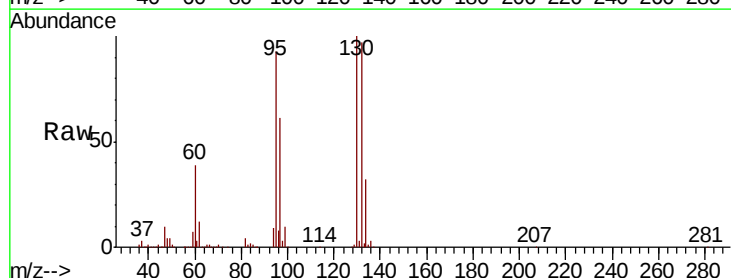
Acq: 12 Mar 2019 11:21

Tgt Ion: 130 Resp: 997475

Ion Ratio Lower Upper

130 100

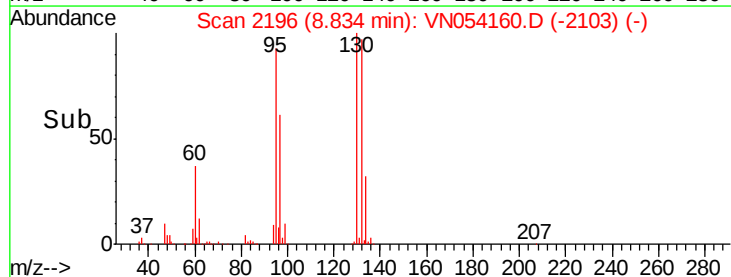
95 92.6 0.0 185.2



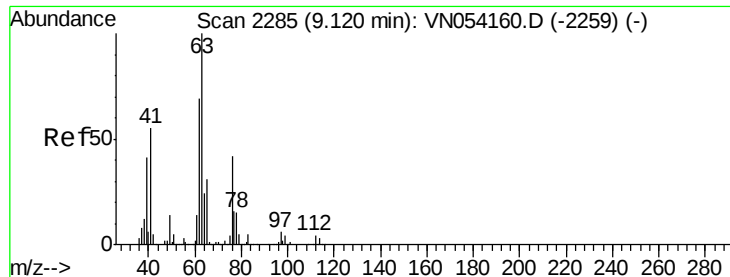
Abundance Ion 129.80 (129.50 to 130.50): VN054160.D (-2178) (-)

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

8.83



Time-->



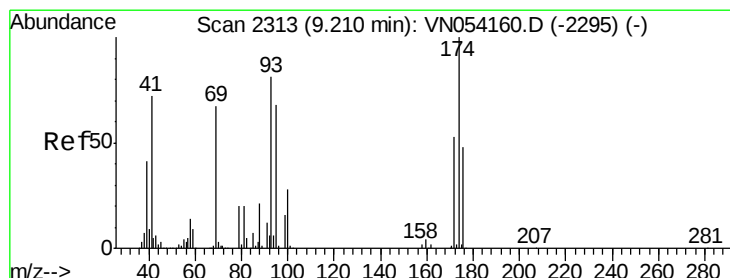
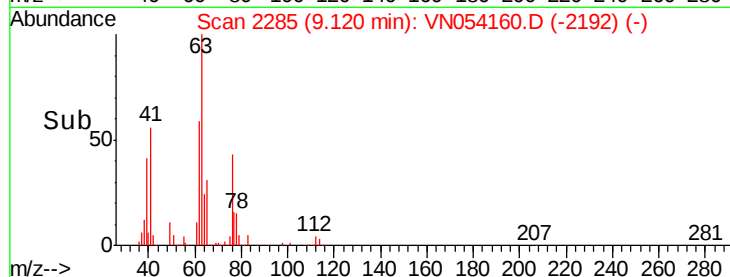
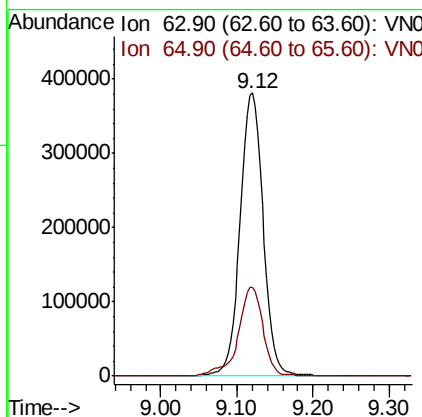
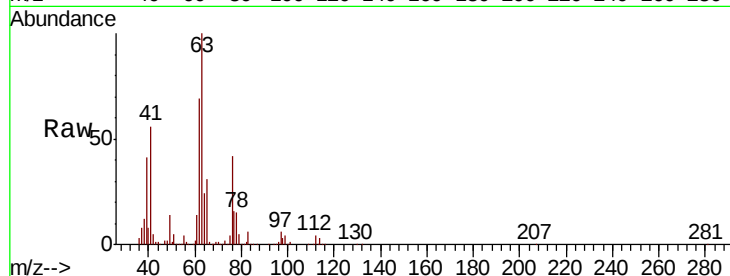
#45
 1,2-Dichloropropane
 Concen: 51.647 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054160.D
 Acq: 12 Mar 2019 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.0	37.6

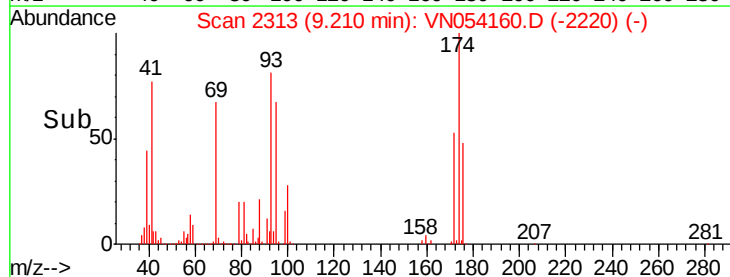
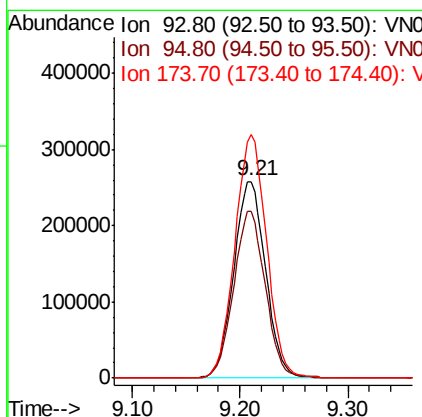
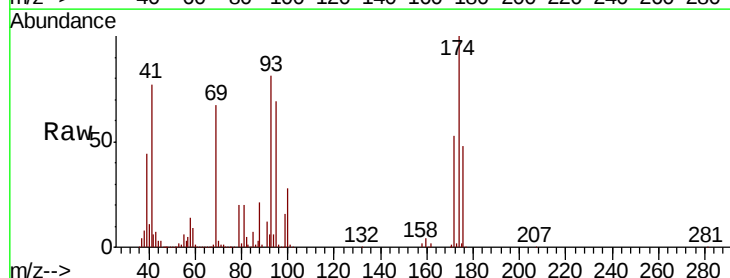
Manual Integrations
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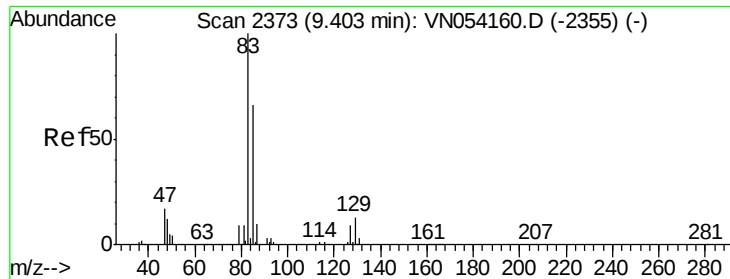
MMDadoda
 3/13/2019 11:49:13 AM



#46
 Dibromomethane
 Concen: 50.531 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054160.D
 Acq: 12 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.7	100.1
174	123.1	98.5	147.7





#47

Bromodichloromethane

Concen: 52.301 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 1106266

Ion Ratio Lower Upper

83 100

85 66.0 52.8 79.2

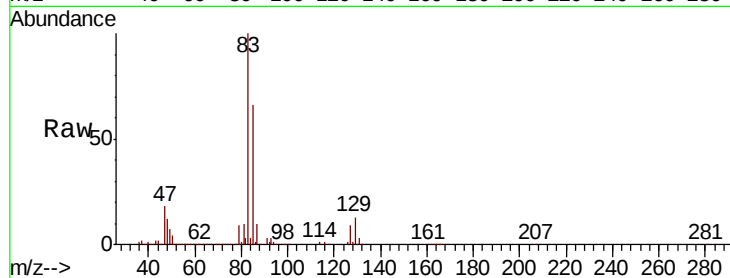
127 9.3 7.4 11.2

Manual Integrations

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MMDadoda

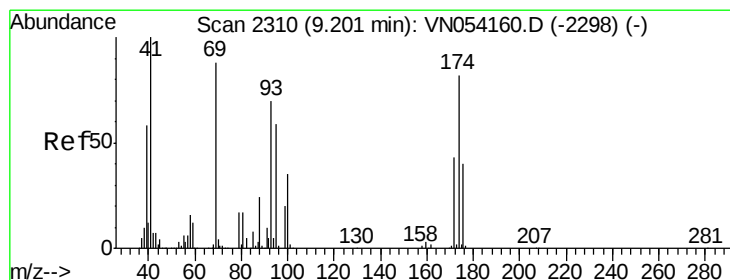
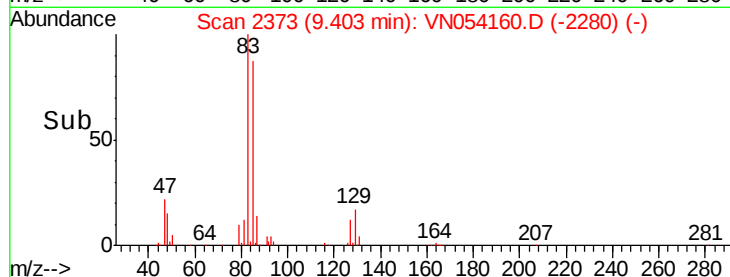
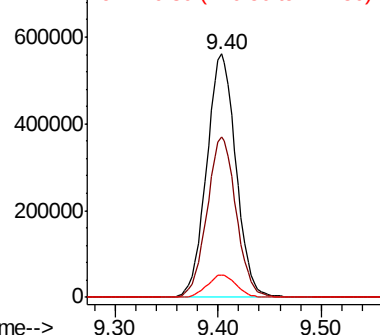
3/13/2019 11:49:13 AM



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 53.802 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

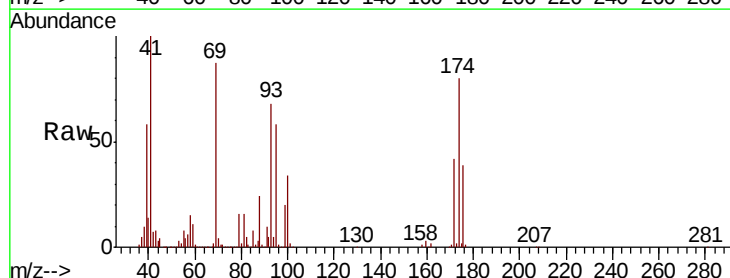
Tgt Ion: 41 Resp: 605189

Ion Ratio Lower Upper

41 100

69 90.7 72.6 108.8

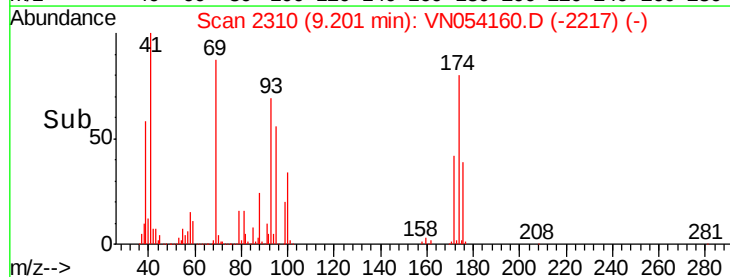
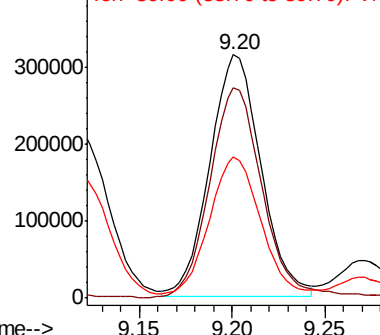
39 59.4 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





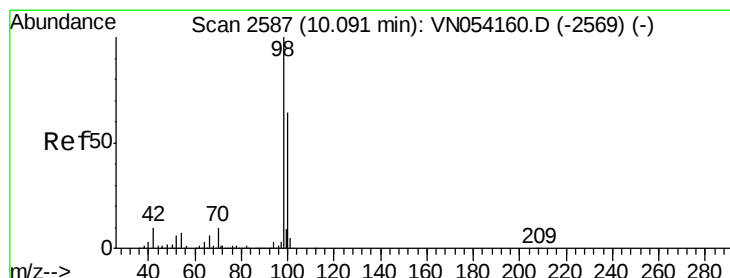
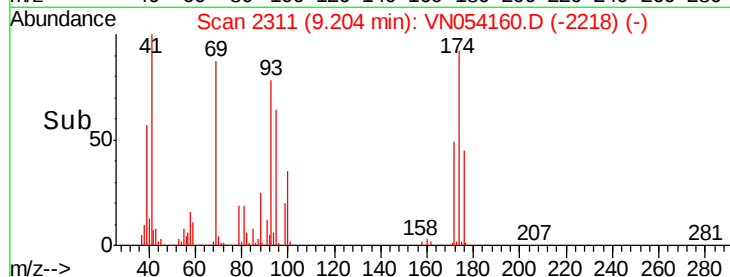
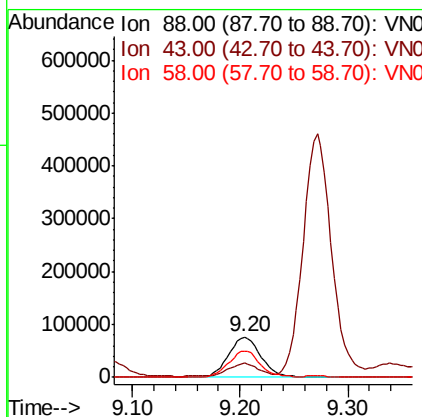
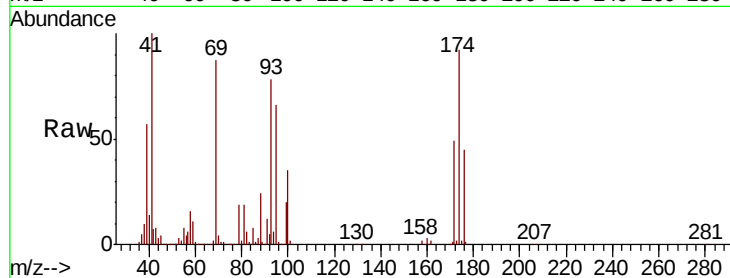
#49
1,4-Dioxane
Concen: 1017.929 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.1	24.1	36.1
58	63.5	50.8	76.2

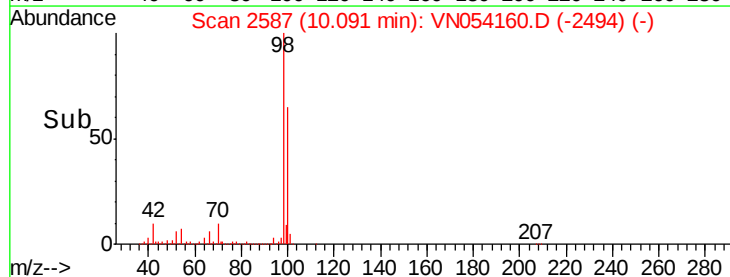
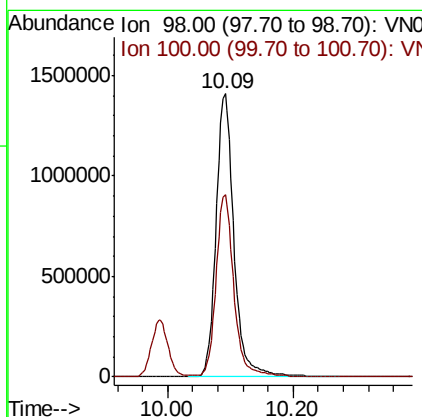
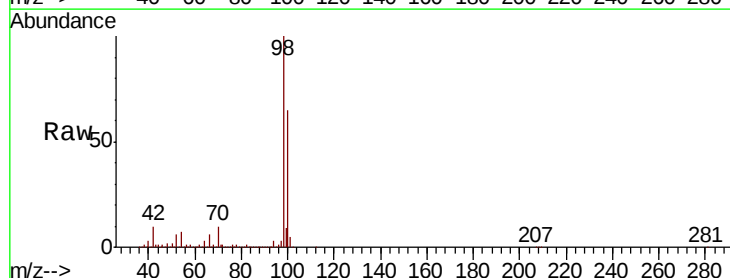
Manual Integrations
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#50
Toluene-d8
Concen: 49.248 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8





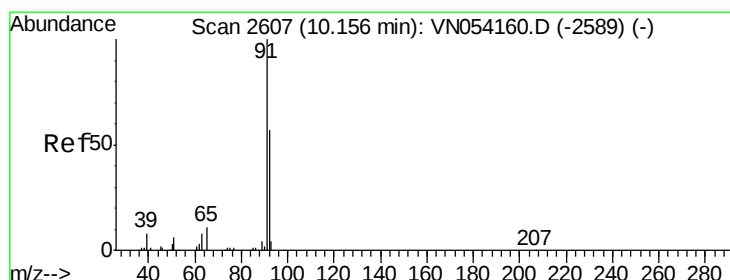
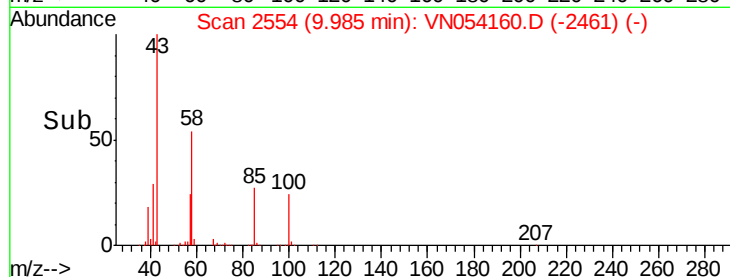
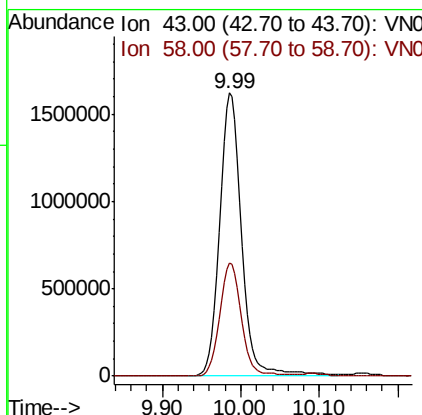
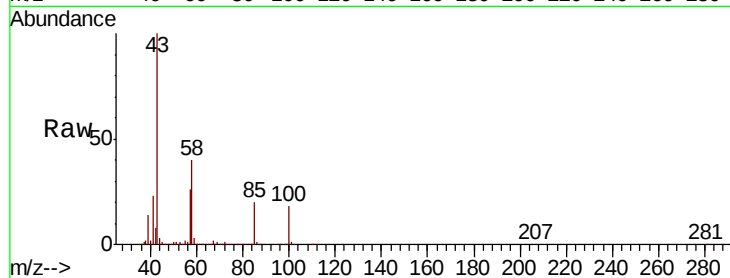
#51
4-Methyl-2-Pentanone
Concen: 264.291 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 3100082
Ion Ratio Lower Upper
43 100
58 39.7 31.8 47.6

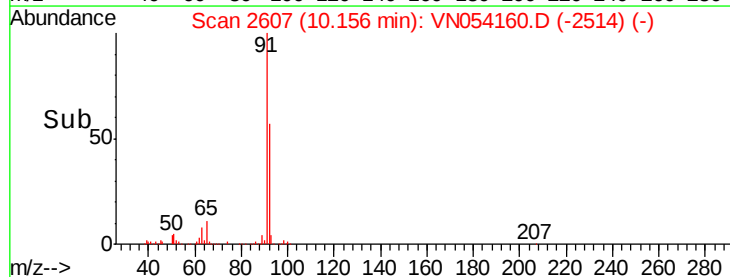
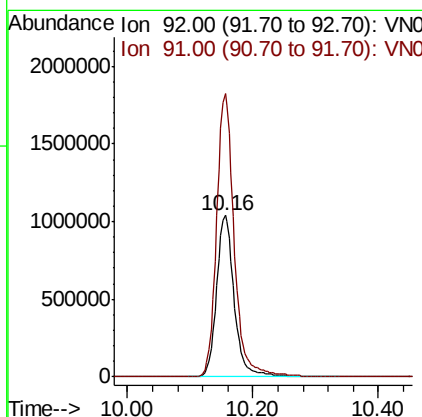
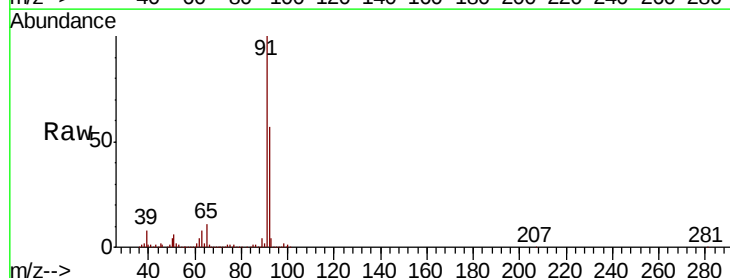
Manual Integrations
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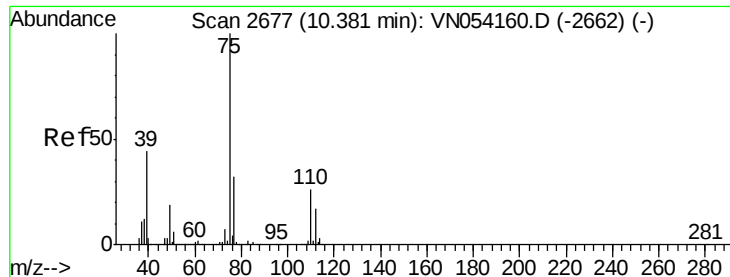
MMDadoda
3/13/2019 11:49:13 AM



#52
Toluene
Concen: 50.972 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Tgt Ion: 92 Resp: 2032528
Ion Ratio Lower Upper
92 100
91 175.9 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 47.668 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 1150885

Ion Ratio Lower Upper

75 100

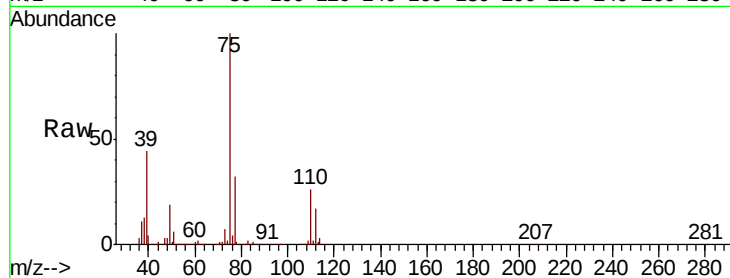
77 32.3 25.8 38.8

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

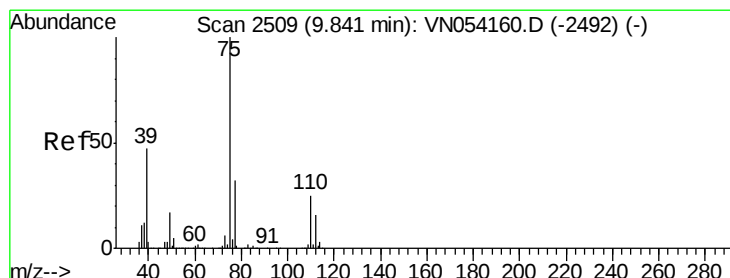
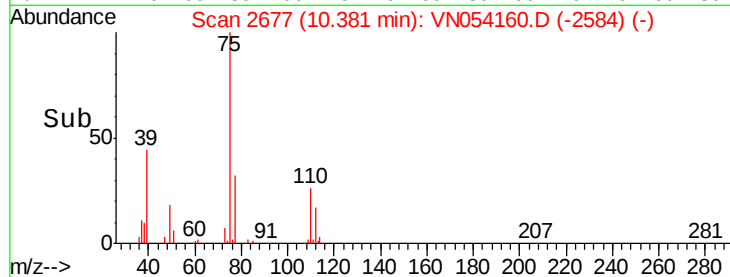
600000

400000

200000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.910 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

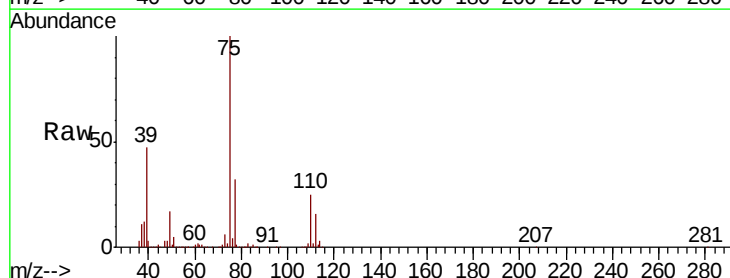
Tgt Ion: 75 Resp: 1304150

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 46.5 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

800000

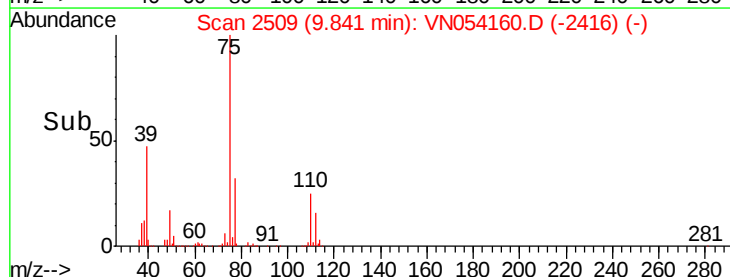
600000

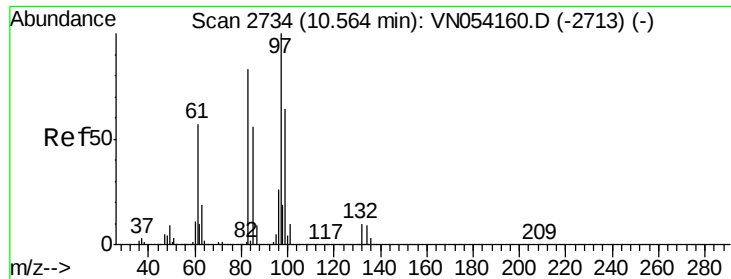
400000

200000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 51.234 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Instrument :

MSVOA_N

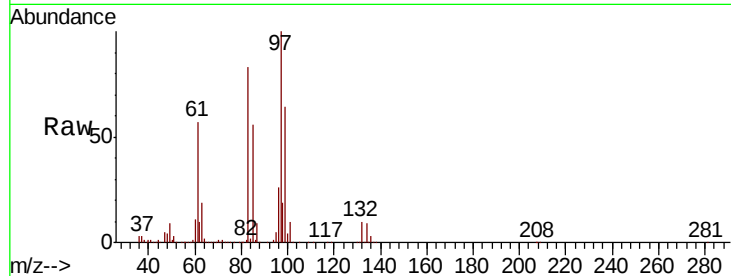
ClientSampleId :

VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.6	100.0
85	55.5	44.4	66.6
99	63.5	50.8	76.2

Manual Integrations
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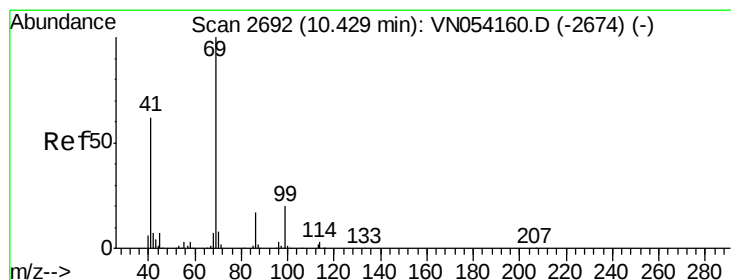
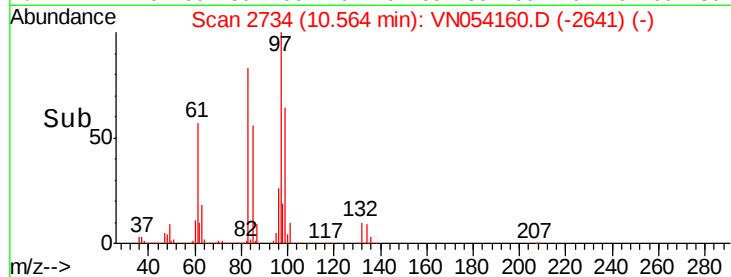
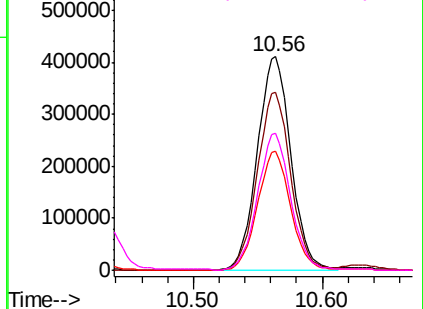
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 52.302 ug/l

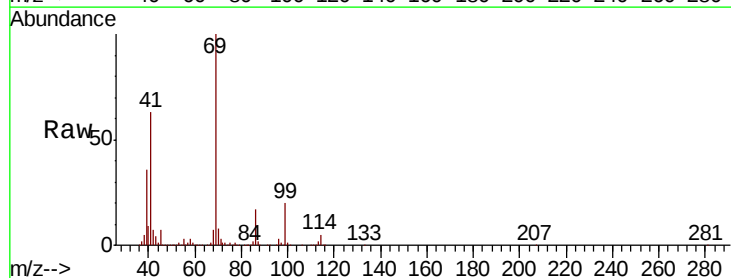
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.8	49.4	74.2
39	35.4	28.3	42.5

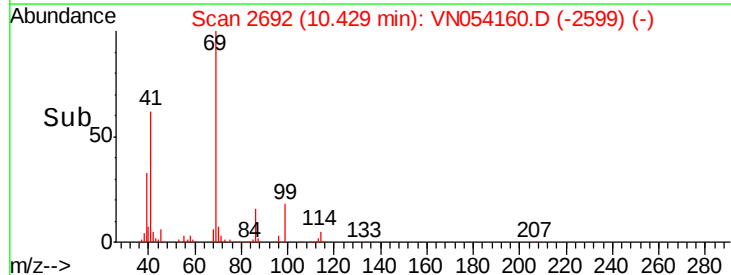
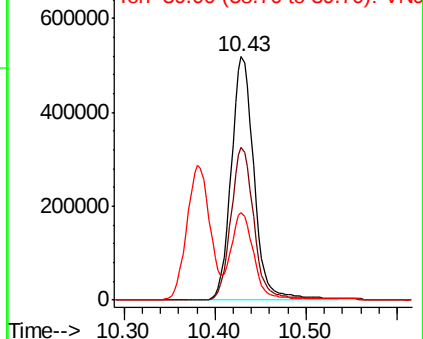


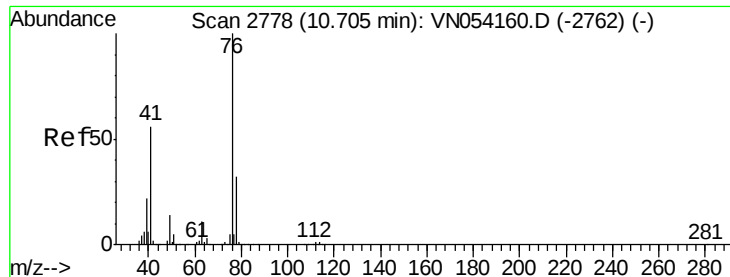
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 51.326 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 1221947

Ion Ratio Lower Upper

76 100

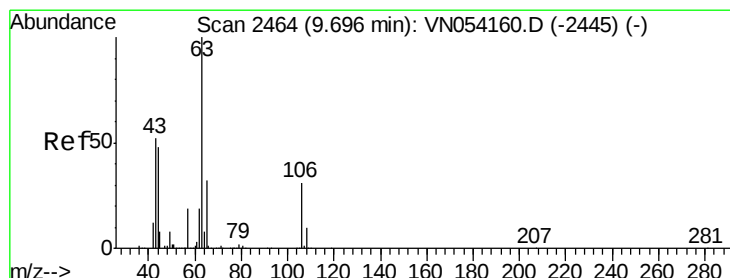
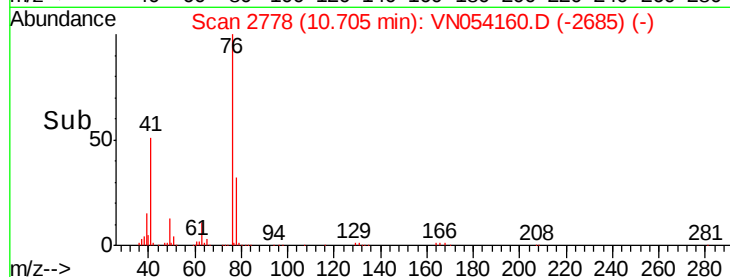
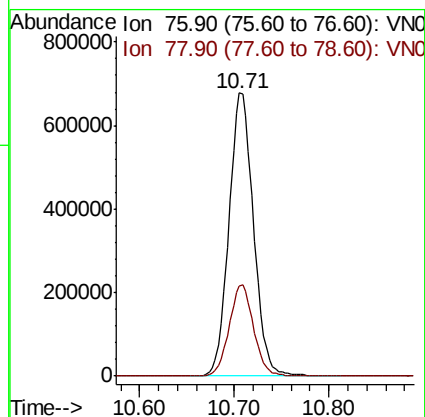
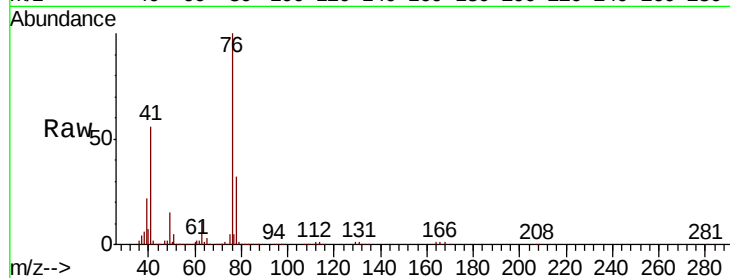
78 32.1 25.7 38.5

Manual Integrations

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3/13/2019 11:49:13 AM



#58

2-Chloroethyl Vinyl ether

Concen: 228.487 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054160.D

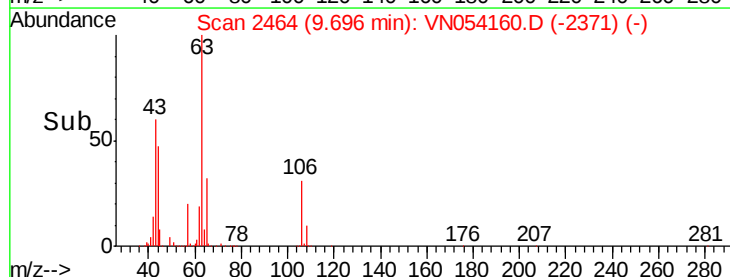
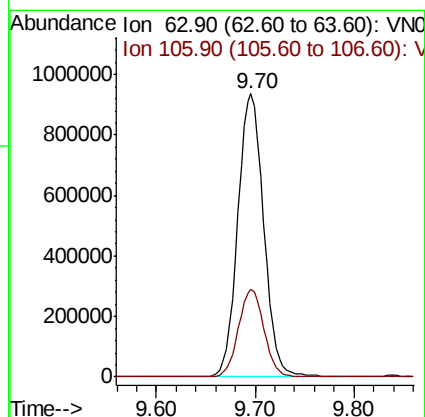
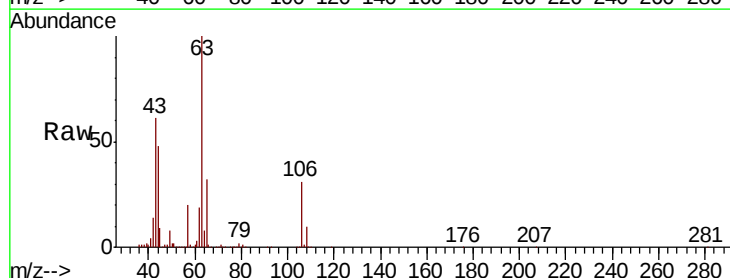
Acq: 12 Mar 2019 11:21

Tgt Ion: 63 Resp: 1709266

Ion Ratio Lower Upper

63 100

106 30.5 24.4 36.6





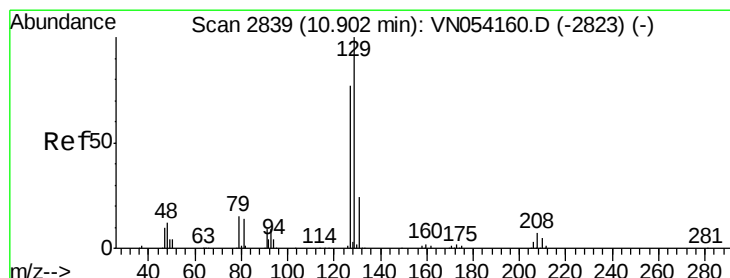
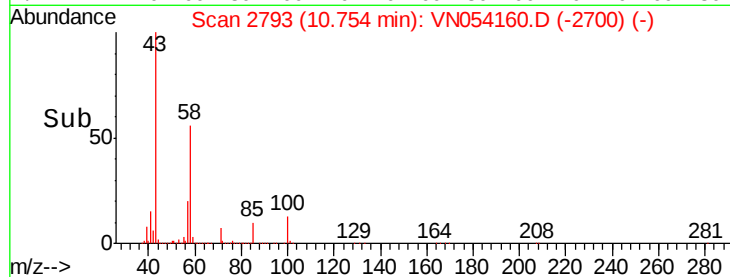
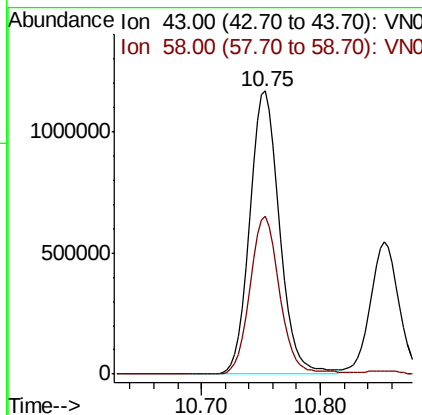
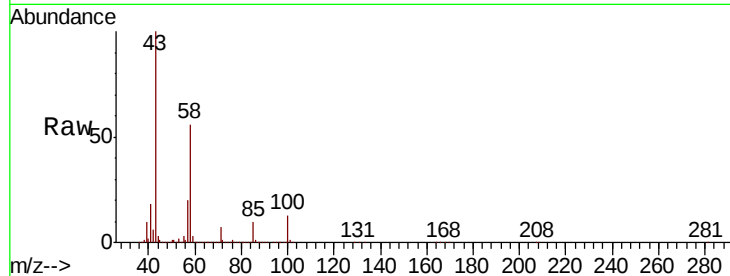
#59
2-Hexanone
Concen: 258.978 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 2021324
Ion Ratio Lower Upper
43 100
58 55.9 28.0 83.9

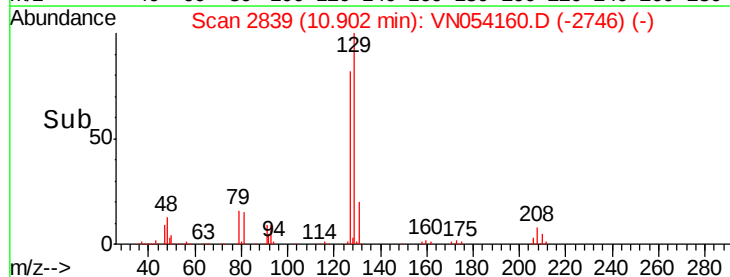
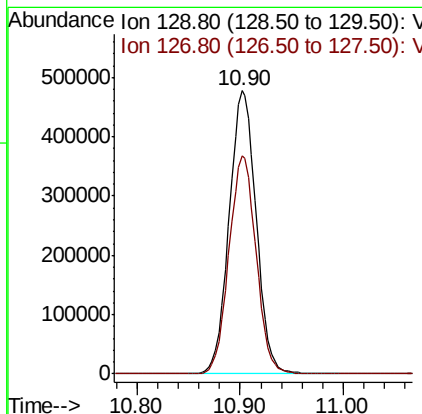
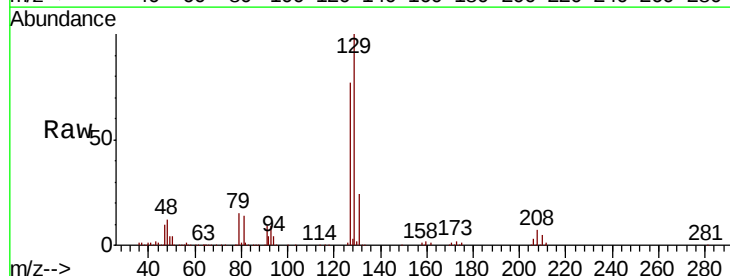
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#60
Dibromochloromethane
Concen: 53.275 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Tgt Ion: 129 Resp: 873094
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





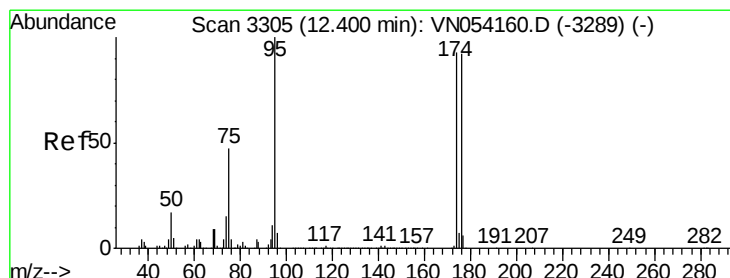
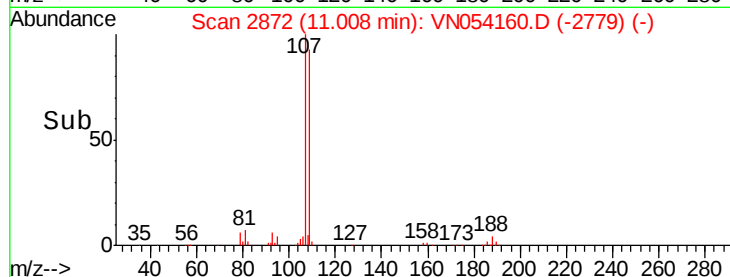
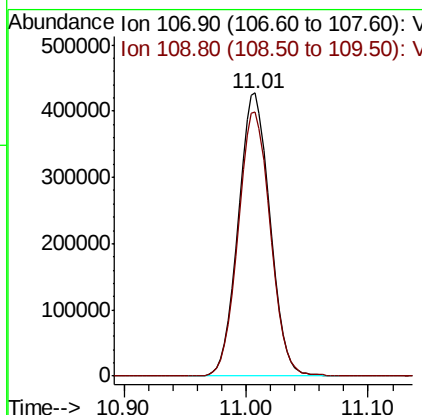
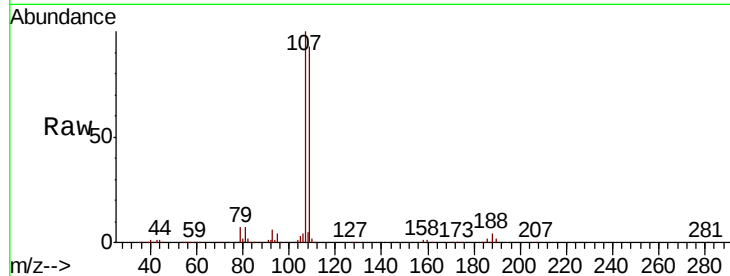
#61
1,2-Dibromoethane
Concen: 51.835 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.9	113.9

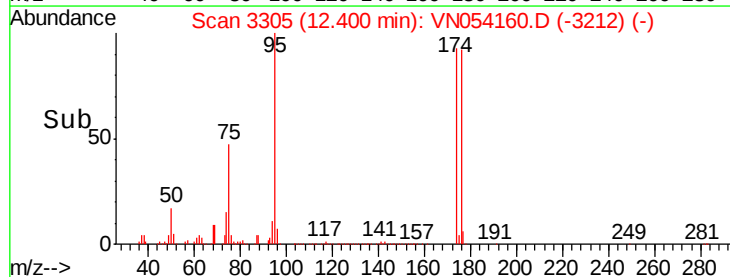
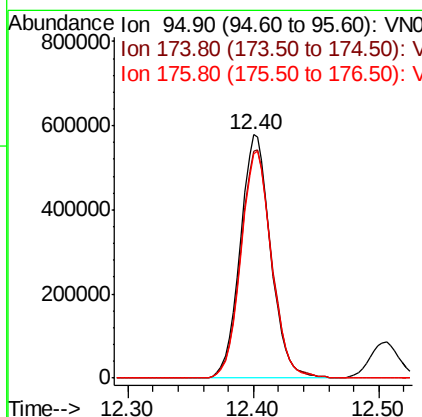
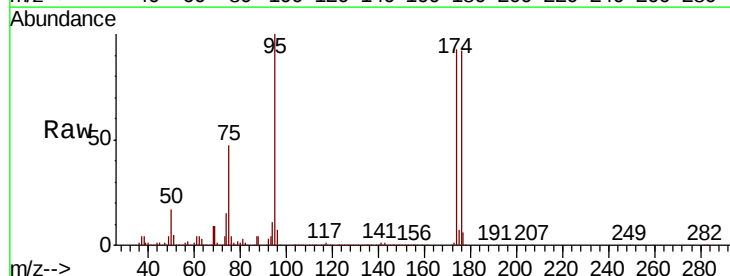
Manual Integrations
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#62
4-Bromofluorobenzene
Concen: 49.093 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.5	0.0	191.0
176	93.7	0.0	187.4





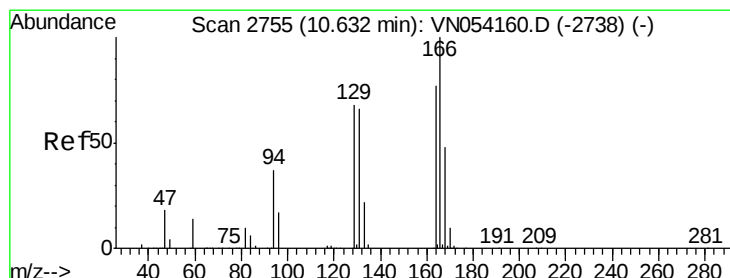
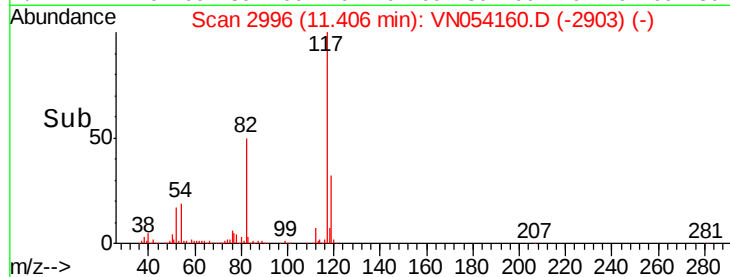
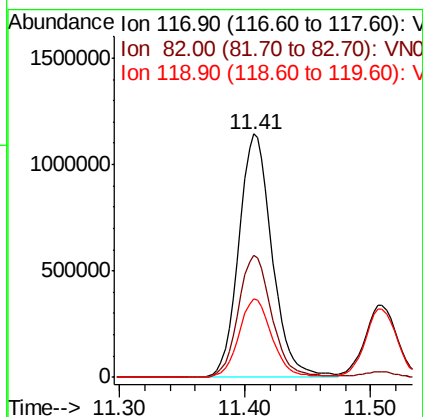
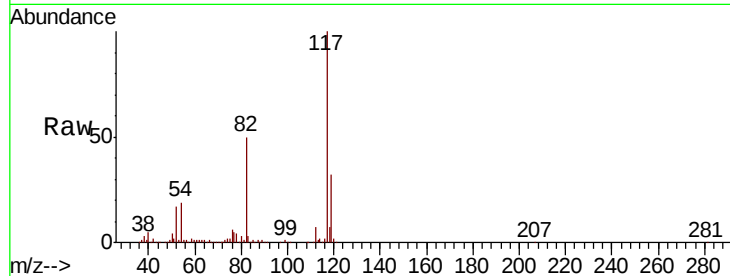
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 2112488
Ion Ratio Lower Upper
117 100
82 50.0 40.0 60.0
119 32.2 25.8 38.6

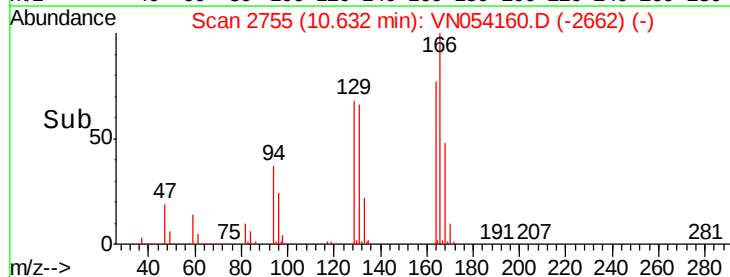
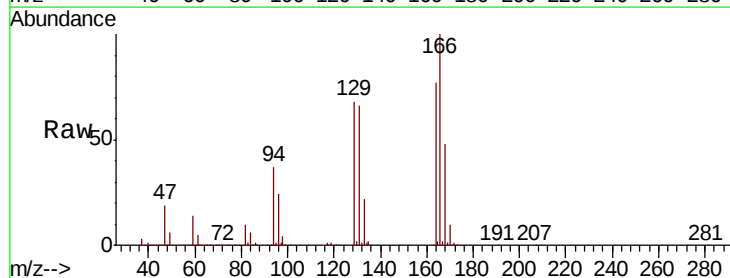
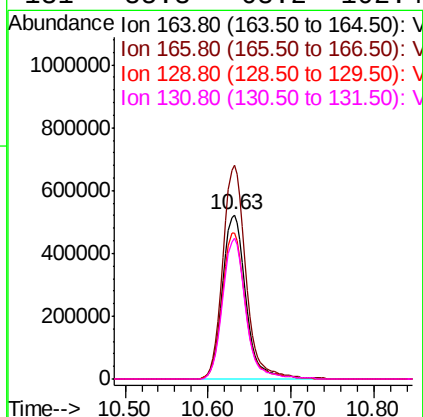
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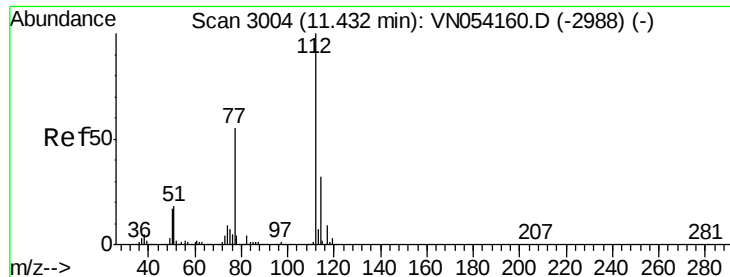
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#64
Tetrachloroethene
Concen: 49.769 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Tgt Ion:164 Resp: 1016519
Ion Ratio Lower Upper
164 100
166 129.9 103.9 155.9
129 88.9 71.1 106.7
131 85.3 68.2 102.4





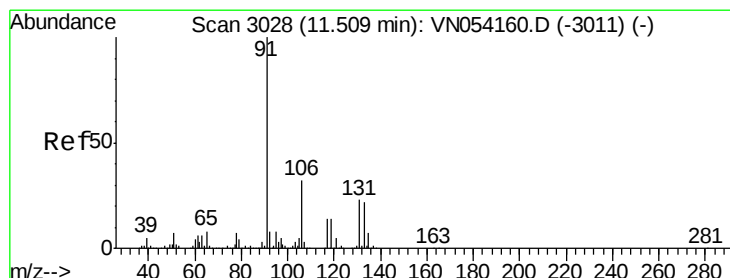
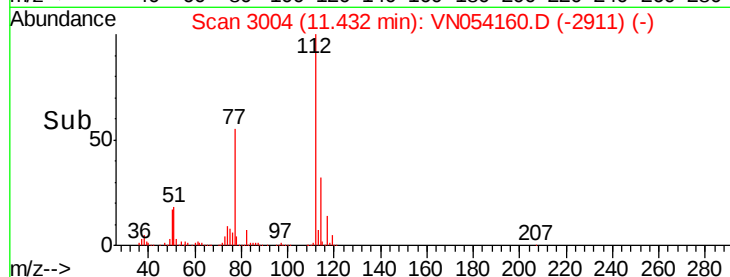
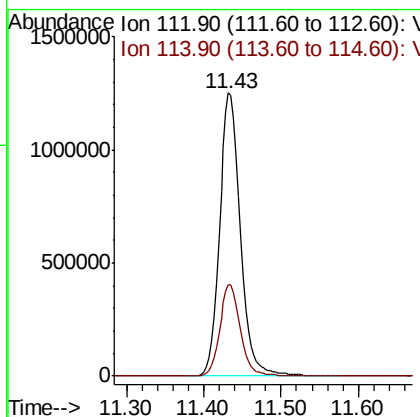
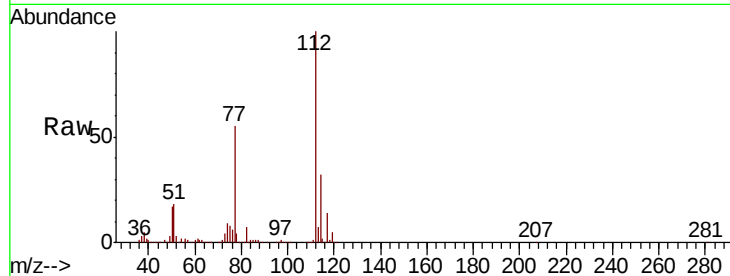
#65
Chlorobenzene
Concen: 50.690 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tgt Ion:112 Resp: 2351240
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9

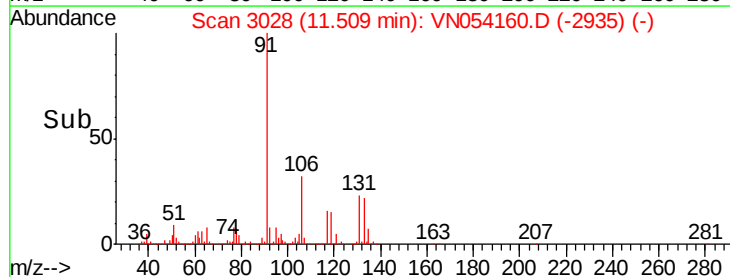
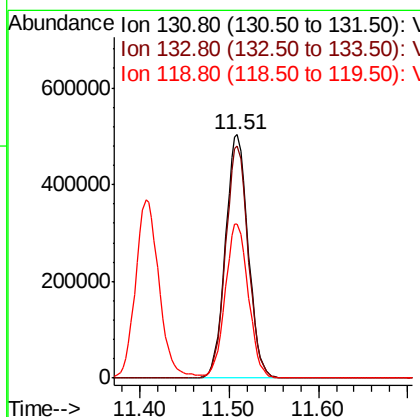
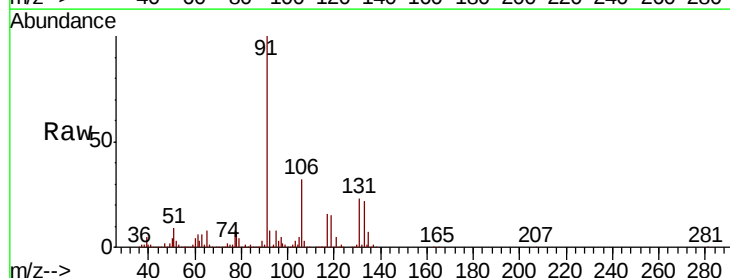
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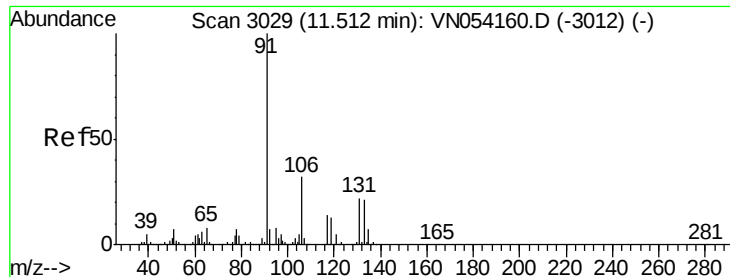
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.526 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Tgt Ion:131 Resp: 885071
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 64.7 32.4 97.0





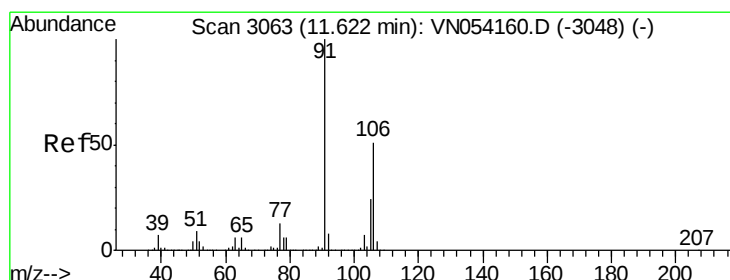
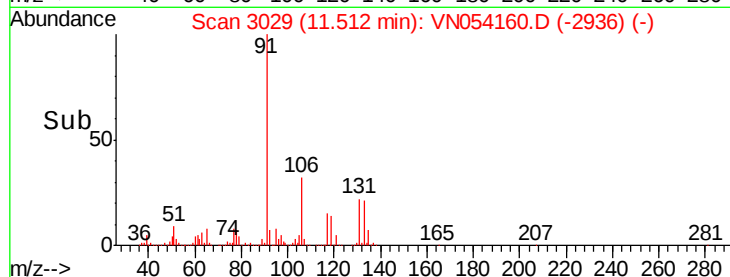
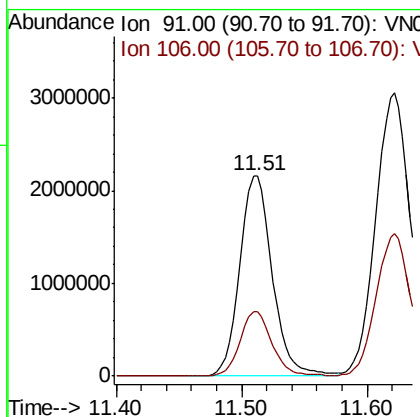
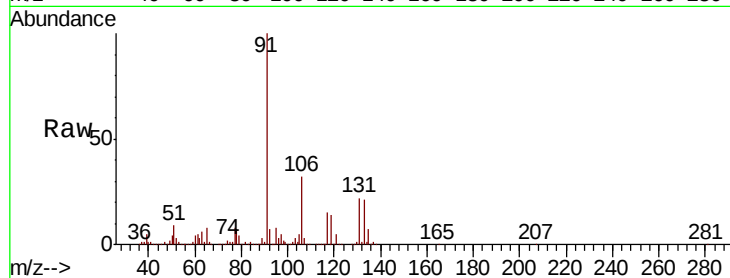
#67
Ethyl Benzene
Concen: 50.609 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 3891348
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3

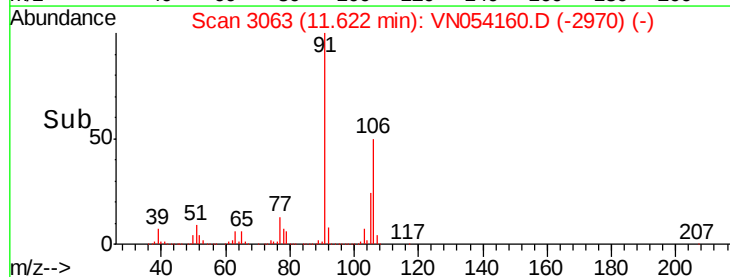
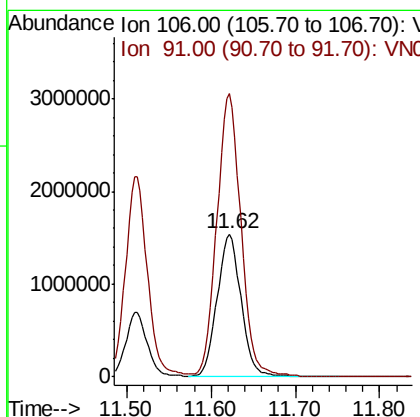
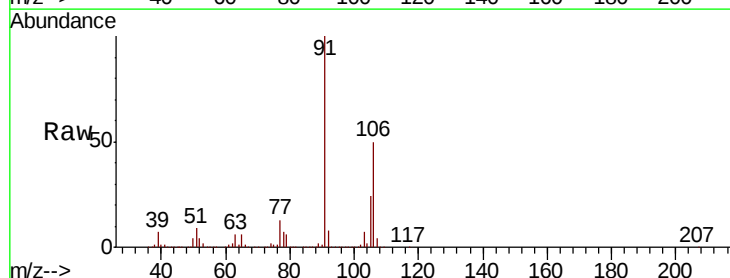
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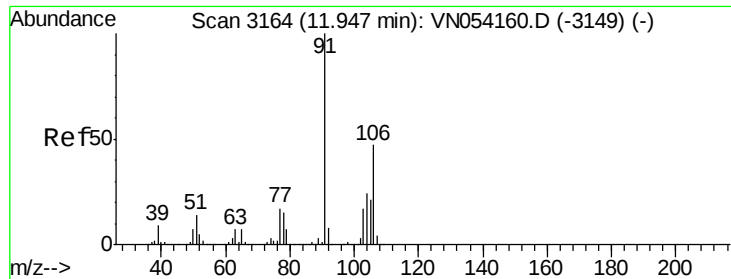
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#68
m/p-Xylenes
Concen: 101.611 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Tgt Ion: 106 Resp: 3053633
Ion Ratio Lower Upper
106 100
91 199.3 159.4 239.2





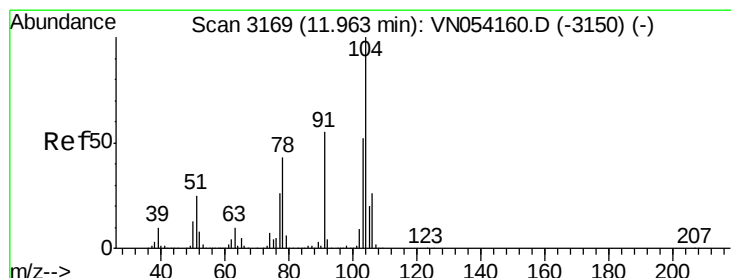
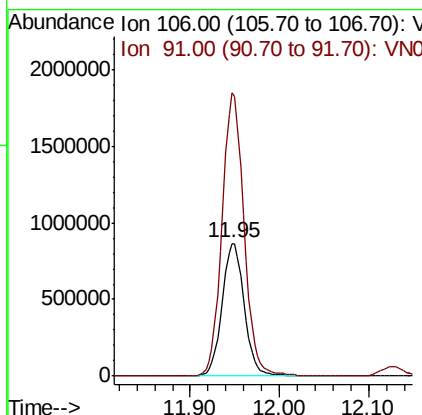
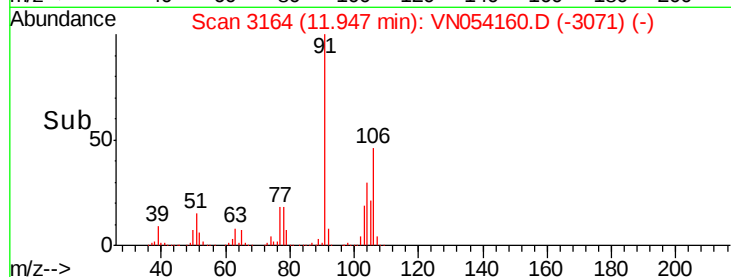
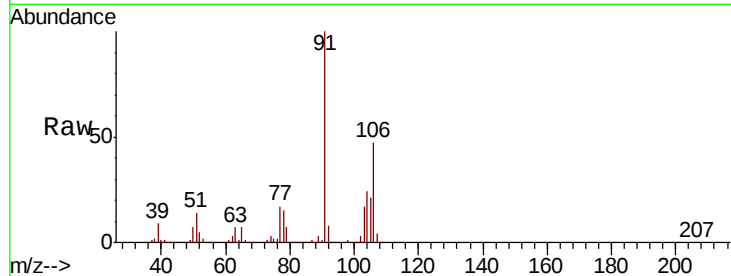
#69
o-Xylene
Concen: 50.887 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 1490790
Ion Ratio Lower Upper
106 100
91 211.4 105.7 317.1

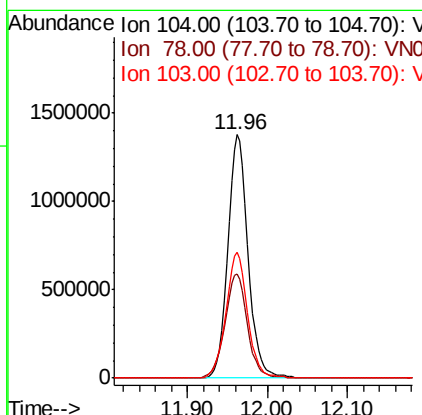
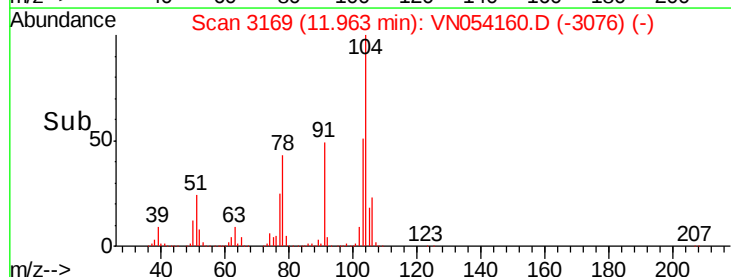
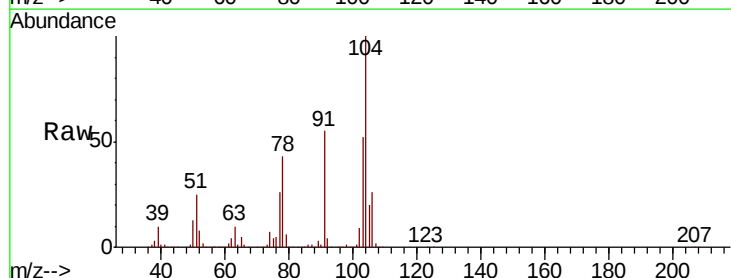
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#70
Styrene
Concen: 51.957 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Tgt Ion:104 Resp: 2387195
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 55.5 44.4 66.6





#71

Bromoform

Concen: 47.807 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Instrument :

MSVOA_N

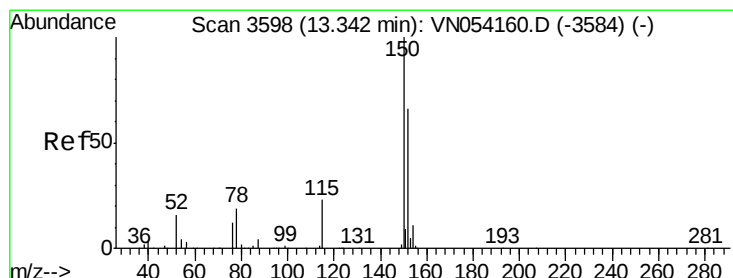
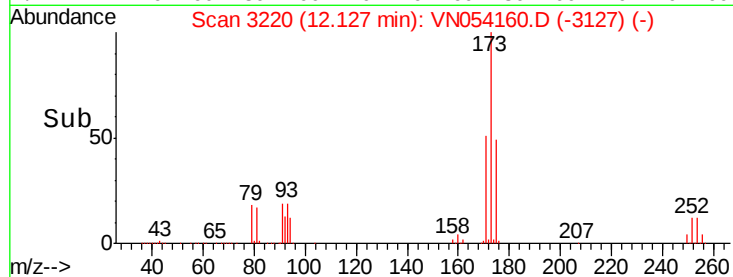
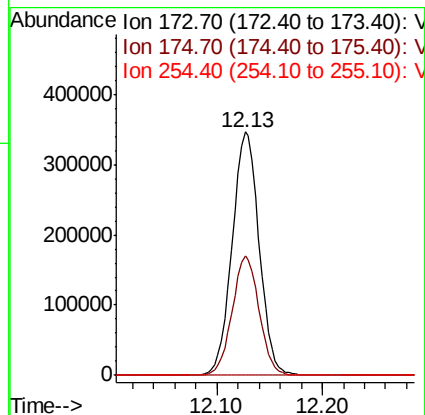
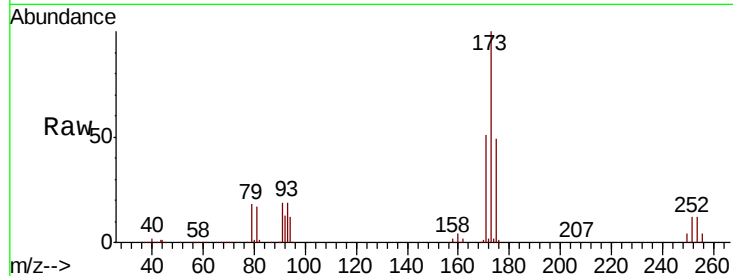
ClientSampleId :

VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.1	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

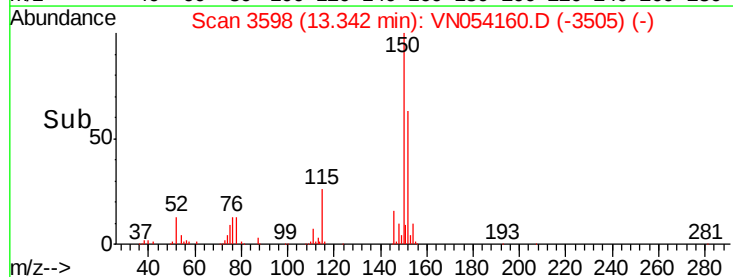
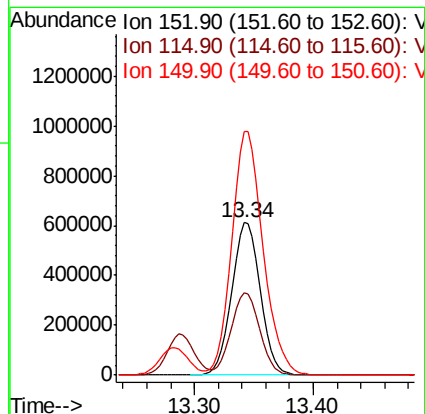
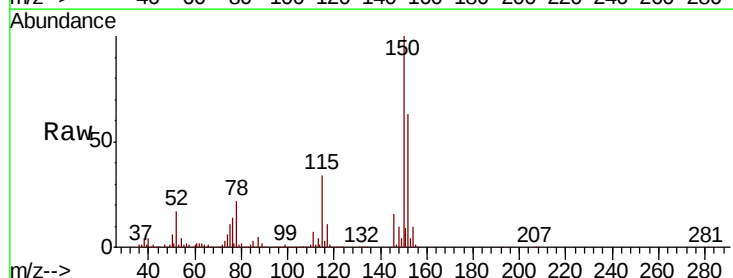
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.2	81.6
150	174.6	0.0	349.2





#73

Isopropylbenzene

Concen: 48.737 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 105 Resp: 3965640

Ion Ratio Lower Upper

105 100

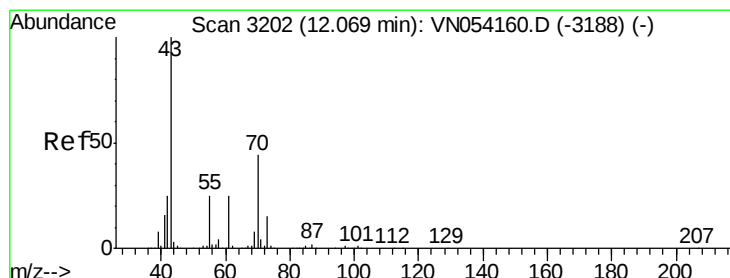
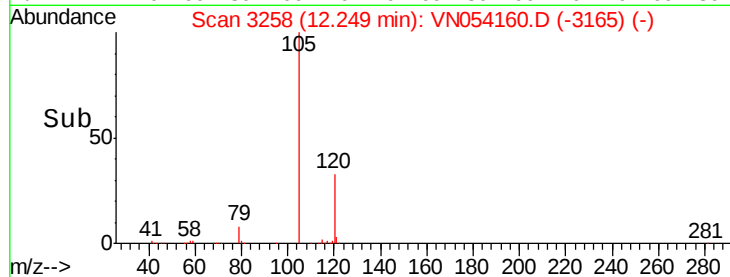
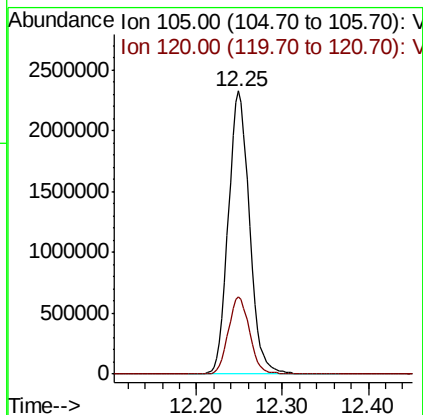
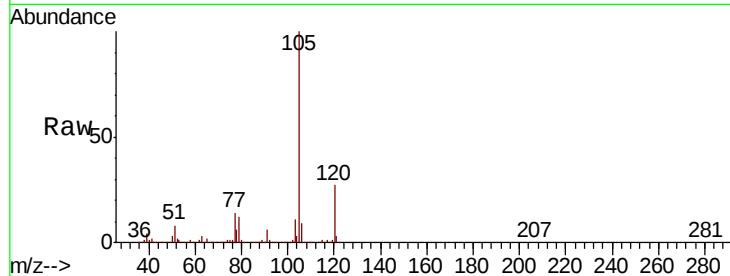
120 27.5 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.797 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Tgt Ion: 43 Resp: 935500

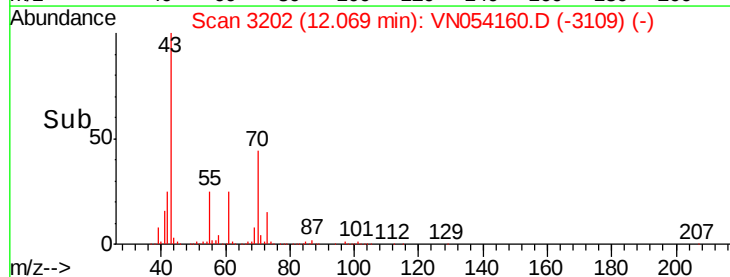
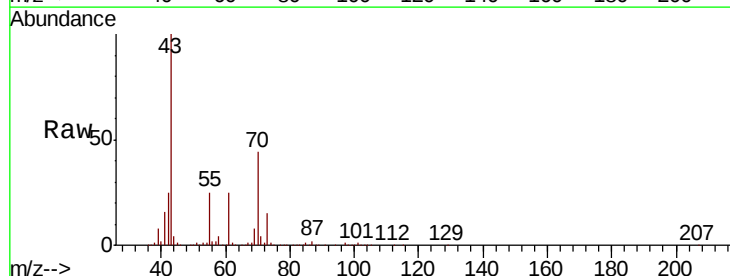
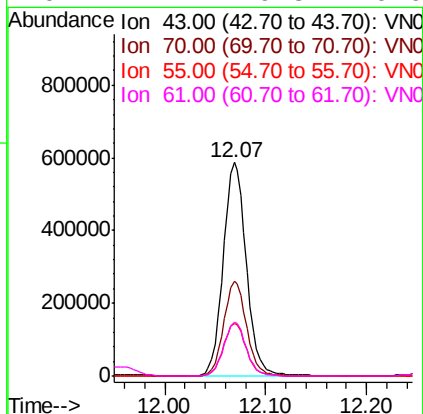
Ion Ratio Lower Upper

43 100

70 44.2 35.4 53.0

55 24.7 19.8 29.6

61 24.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.201 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 852943

Ion Ratio Lower Upper

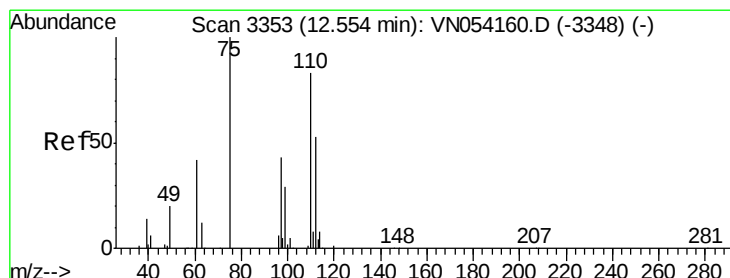
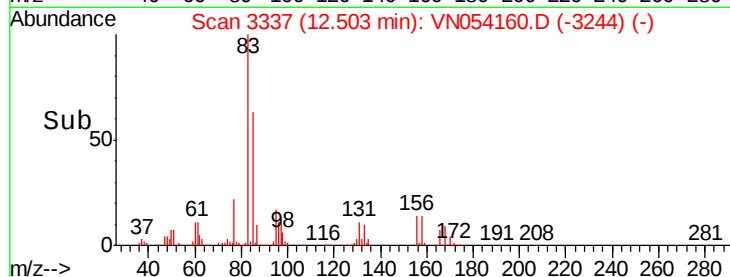
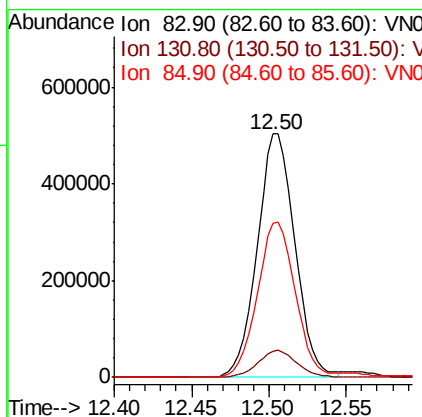
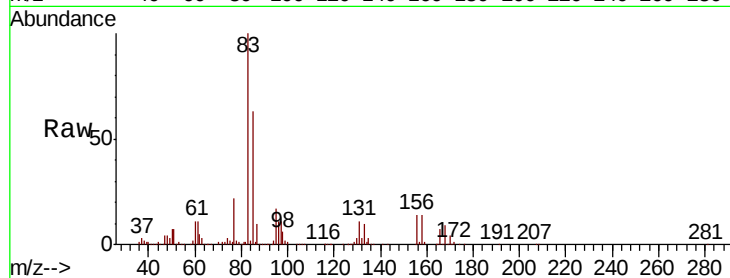
83 100

131 11.6 5.8 17.4

85 64.4 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 48.950 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054160.D

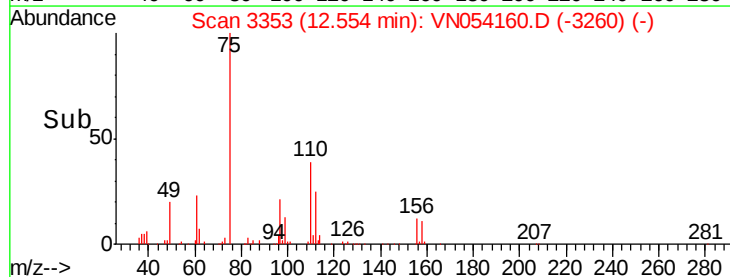
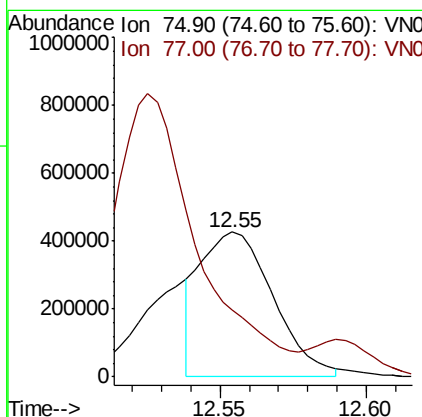
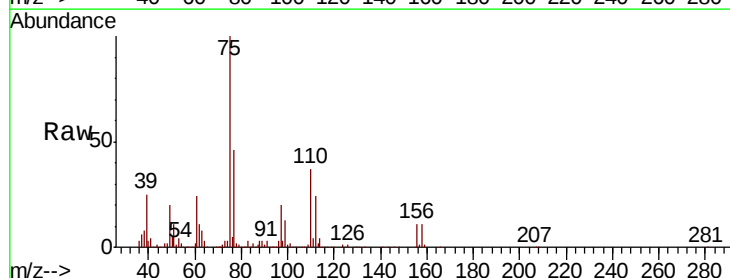
Acq: 12 Mar 2019 11:21

Tgt Ion: 75 Resp: 741727

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





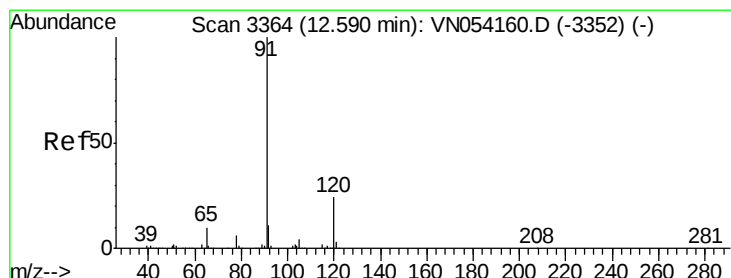
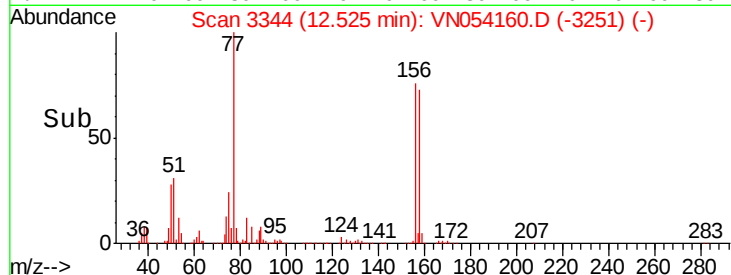
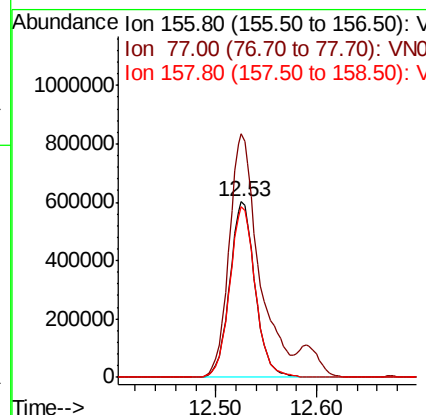
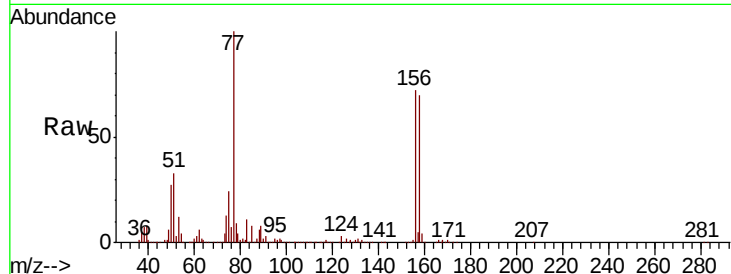
#77
Bromobenzene
Concen: 48.900 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 156 Resp: 1052877
Ion Ratio Lower Upper
156 100
77 162.9 81.5 244.4
158 98.1 49.0 147.2

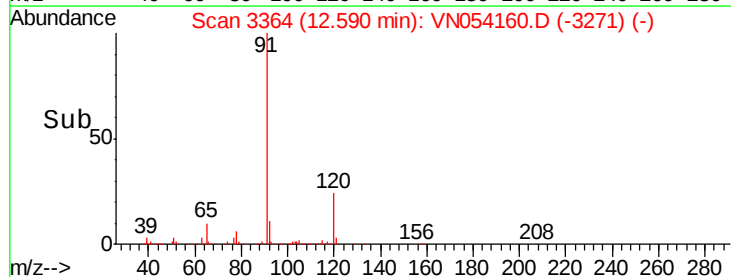
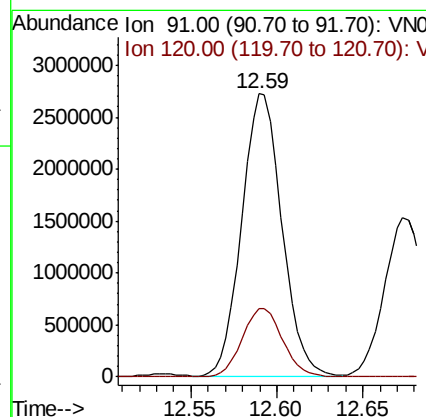
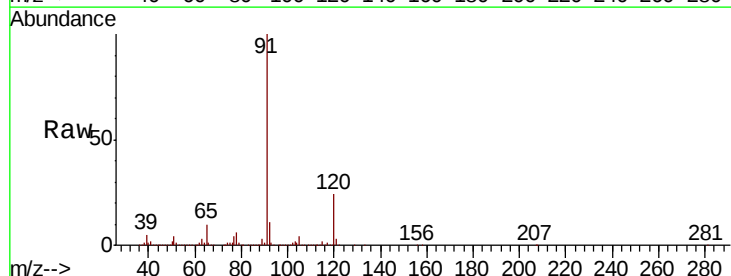
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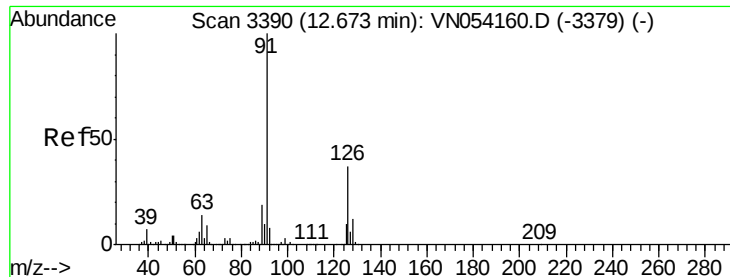
MMDadoda
3/13/2019 11:49:13 AM



#78
n-propylbenzene
Concen: 49.743 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Tgt Ion: 91 Resp: 4391721
Ion Ratio Lower Upper
91 100
120 24.6 12.3 36.9





#79

2-Chlorotoluene

Concen: 48.813 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 2591256

Ion Ratio Lower Upper

91 100

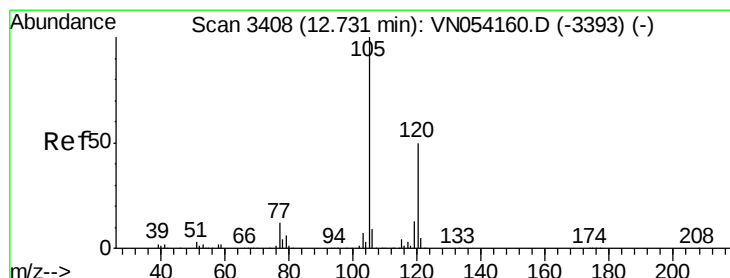
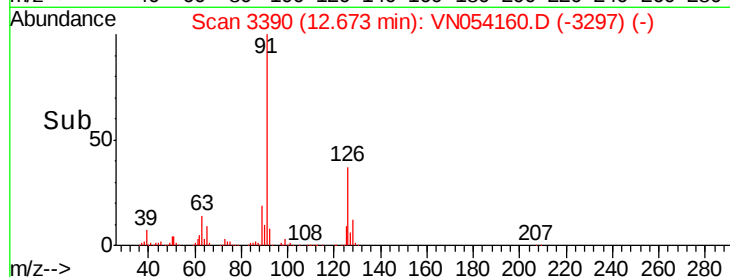
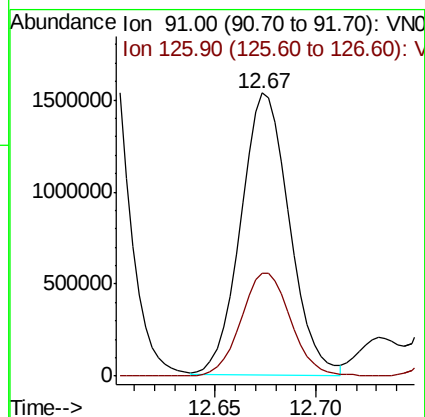
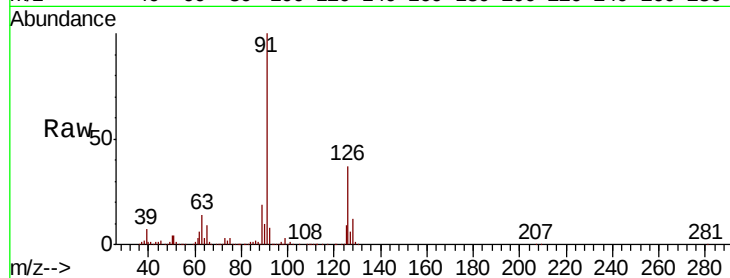
126 37.4 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 48.802 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054160.D

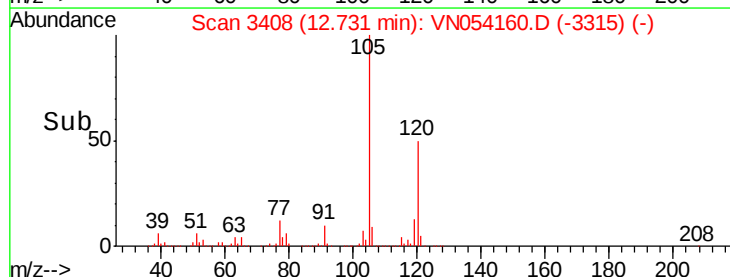
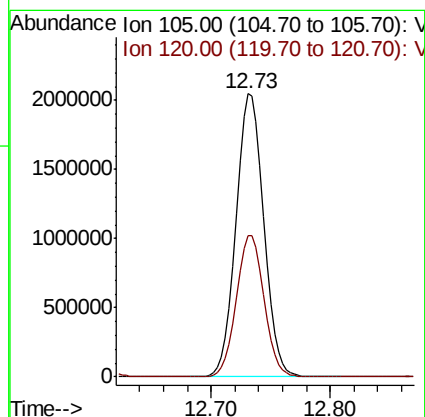
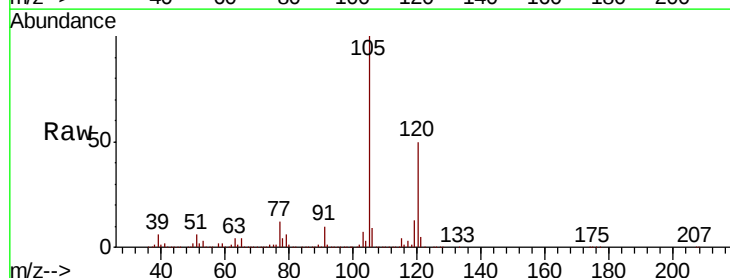
Acq: 12 Mar 2019 11:21

Tgt Ion: 105 Resp: 3302954

Ion Ratio Lower Upper

105 100

120 50.0 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 46.593 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054160.D

Acq: 12 Mar 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 228263
Ion Ratio Lower Upper

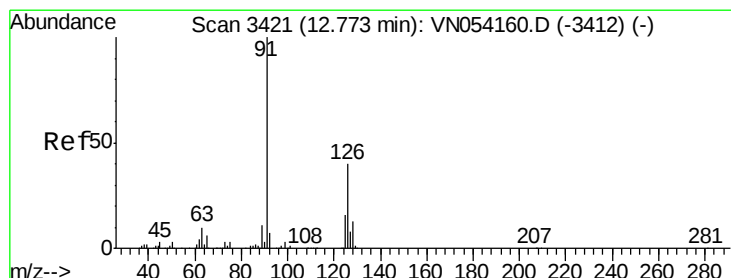
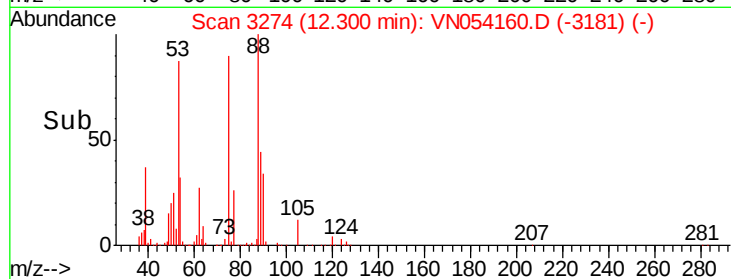
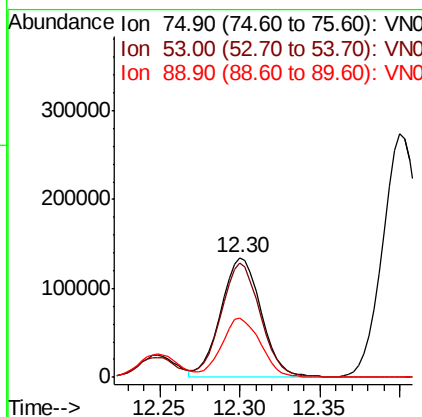
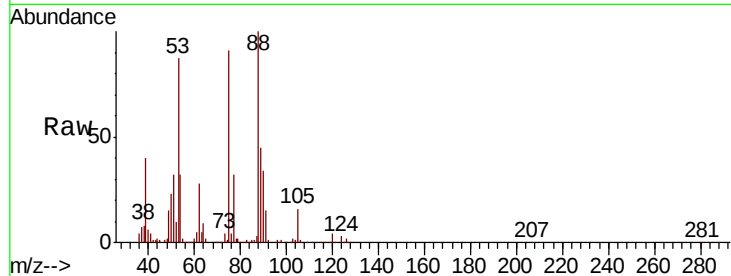
75 100

53 95.2 76.2 114.2

89 49.0 39.2 58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.544 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

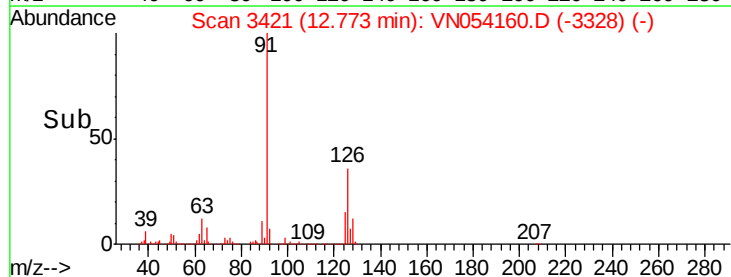
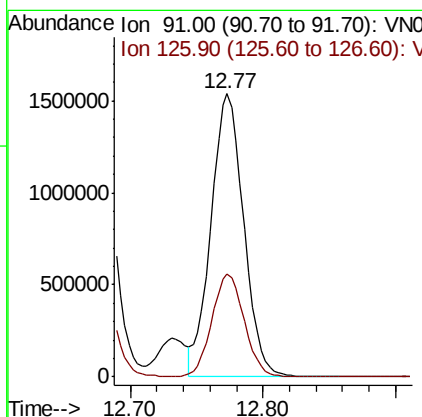
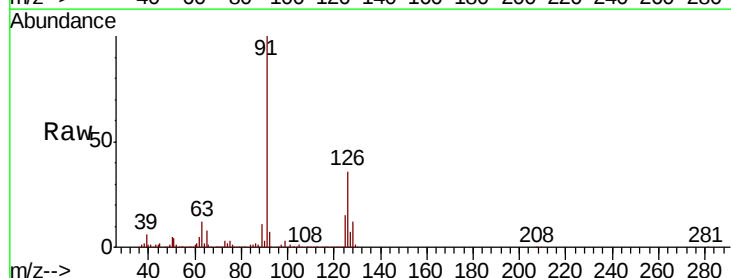
Lab File: VN054160.D

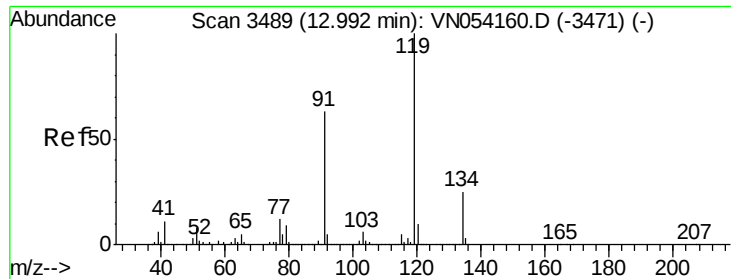
Acq: 12 Mar 2019 11:21

Tgt Ion: 91 Resp: 2626216
Ion Ratio Lower Upper

91 100

126 36.1 18.1 54.1





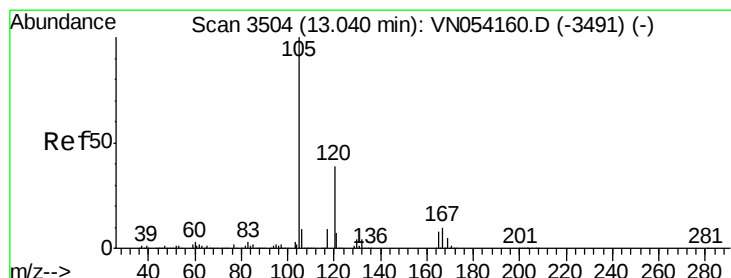
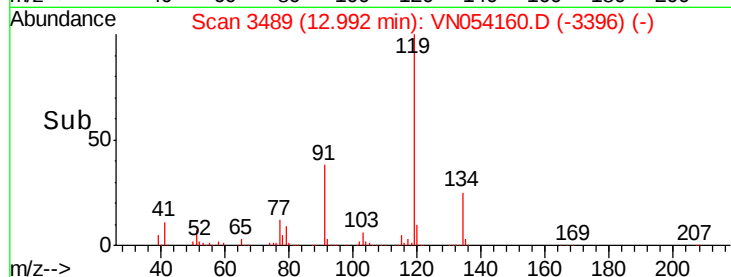
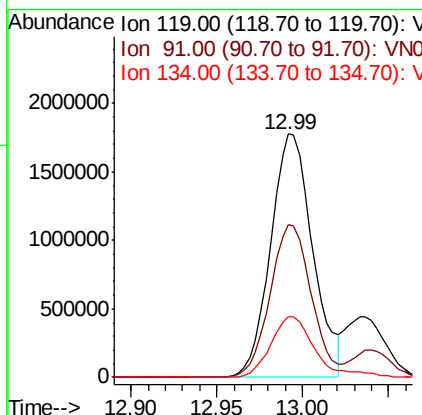
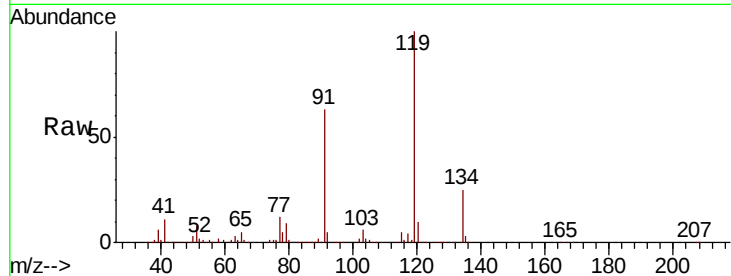
#83
 tert-Butylbenzene
 Concen: 48.389 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054160.D
 Acq: 12 Mar 2019 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion:119 Resp: 3014439
 Ion Ratio Lower Upper
 119 100
 91 61.9 30.9 92.8
 134 26.4 13.2 39.6

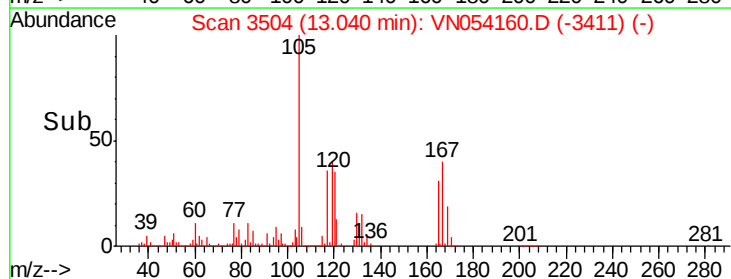
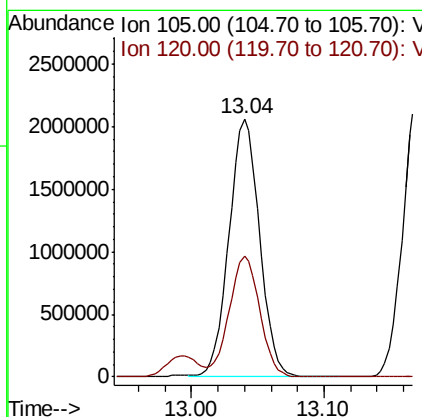
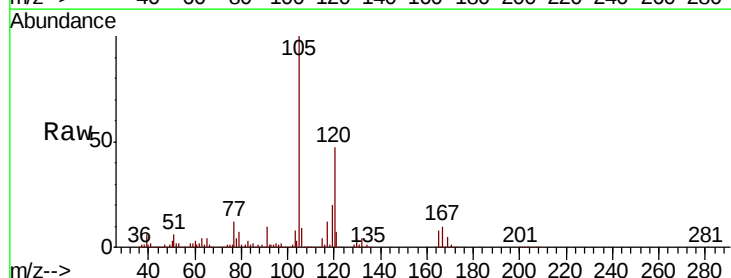
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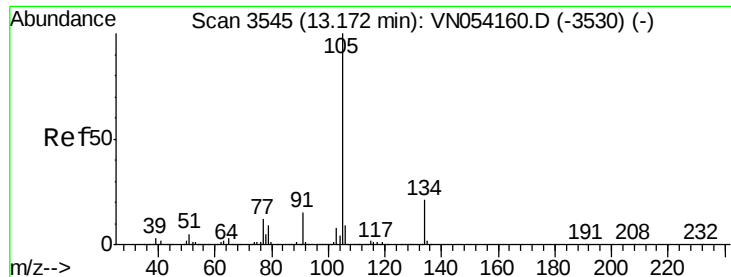
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.688 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054160.D
 Acq: 12 Mar 2019 11:21

Tgt Ion:105 Resp: 3299169
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.3





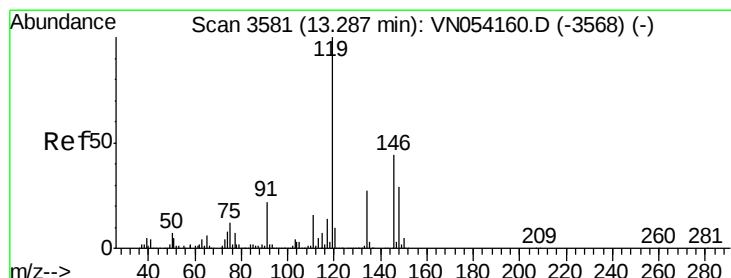
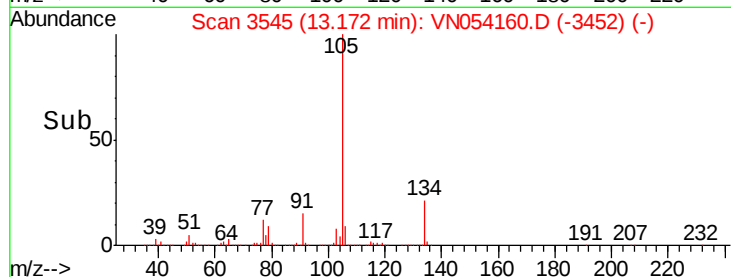
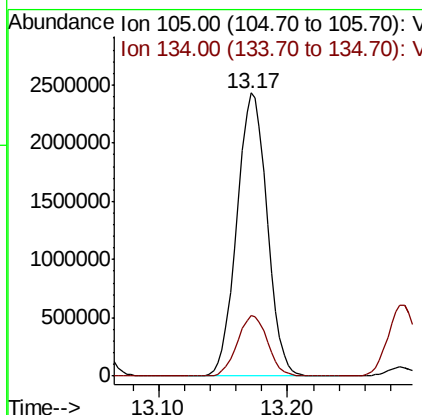
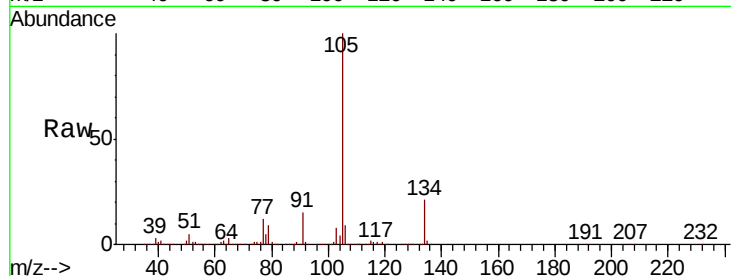
#85
 sec-Butylbenzene
 Concen: 48.969 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054160.D
 Acq: 12 Mar 2019 11:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion:105 Resp: 3956163
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.7 32.1

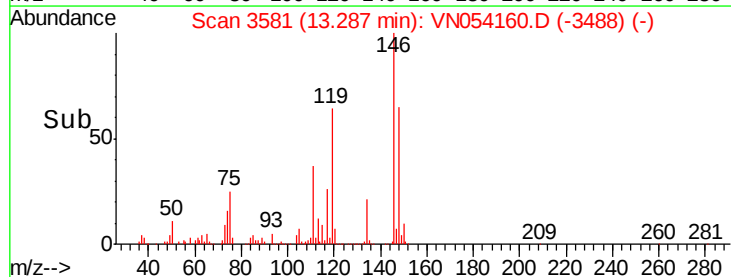
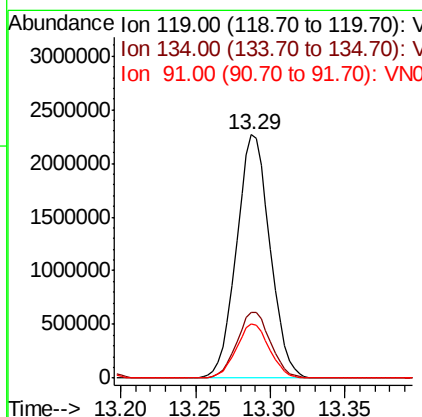
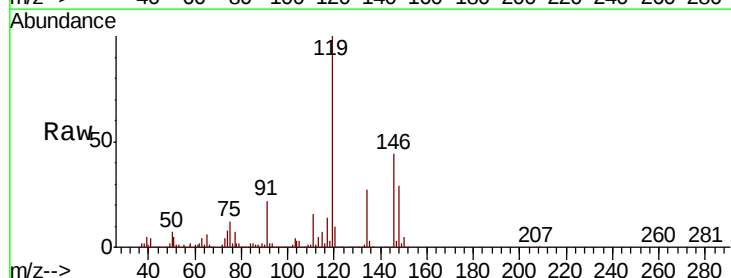
Manual Integrations
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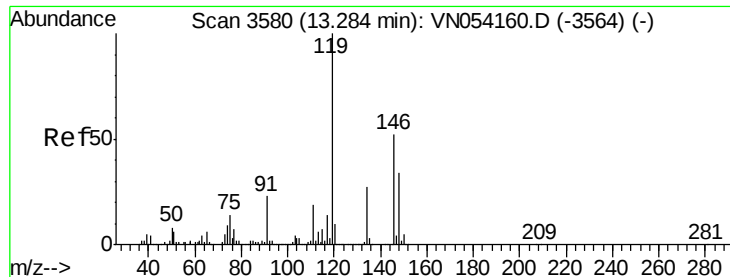
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#86
 p-Isopropyltoluene
 Concen: 49.613 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054160.D
 Acq: 12 Mar 2019 11:21

Tgt Ion:119 Resp: 3516408
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.6 40.8
 91 22.2 11.1 33.3





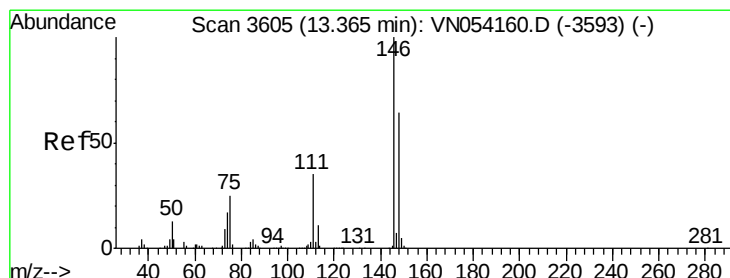
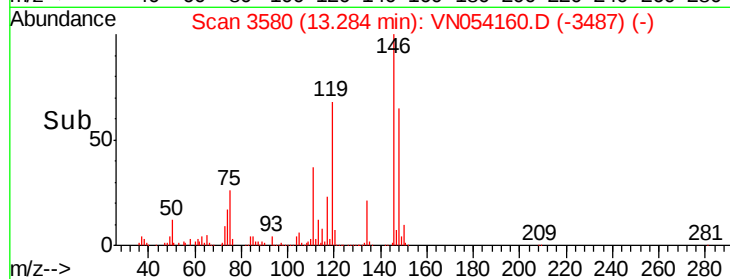
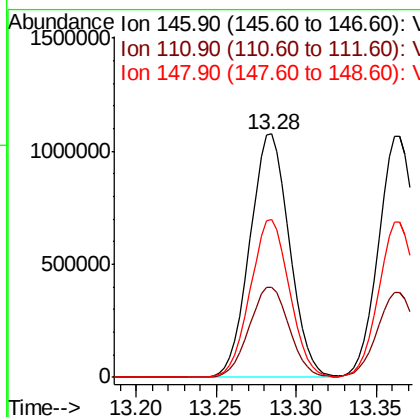
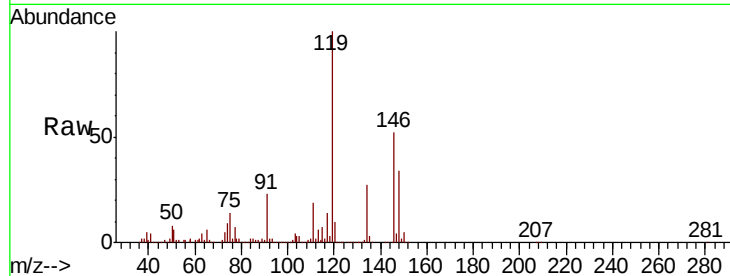
#87
 1,3-Dichlorobenzene
 Concen: 50.235 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054160.D
 Acq: 12 Mar 2019 11:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	64.4	32.2	96.6

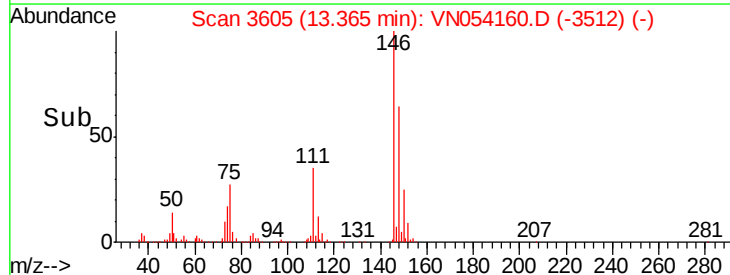
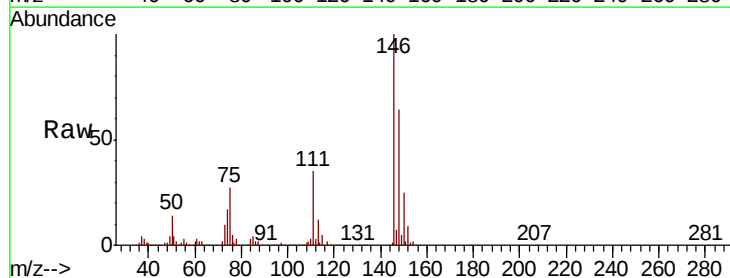
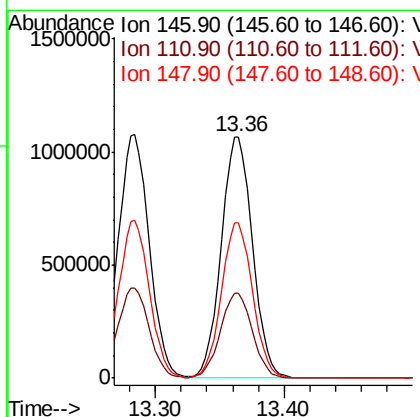
Manual Integrations
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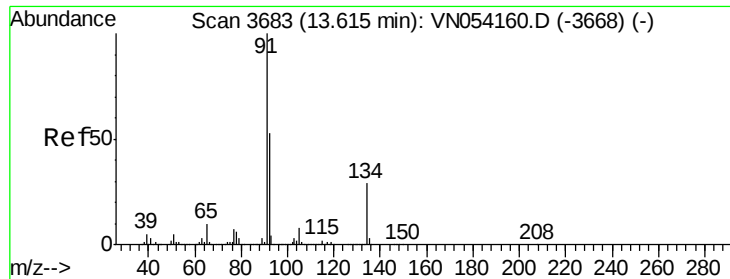
MMDadoda
 3/13/2019 11:49:13 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.222 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054160.D
 Acq: 12 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.1	54.1
148	64.0	32.0	96.0





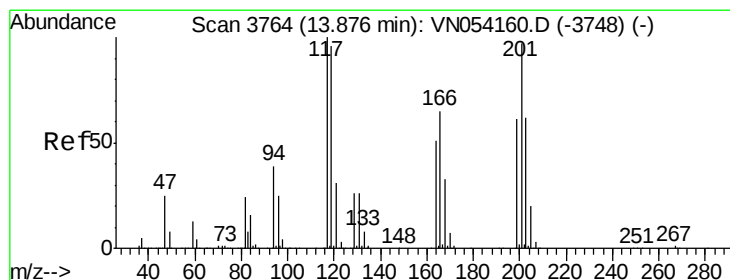
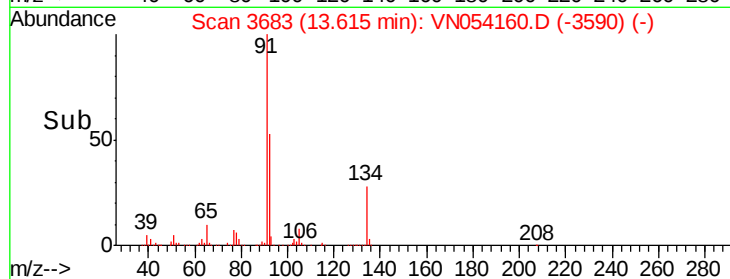
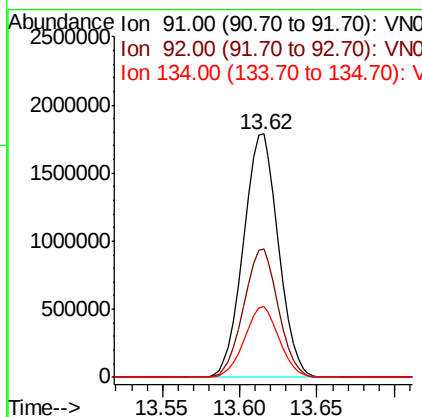
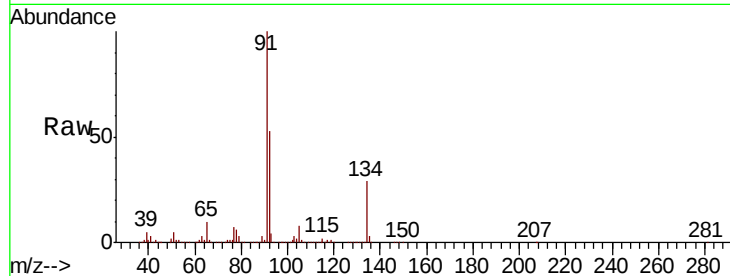
#89
n-Butylbenzene
Concen: 52.266 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 2814675
Ion Ratio Lower Upper
91 100
92 52.4 26.2 78.6
134 28.6 14.3 42.9

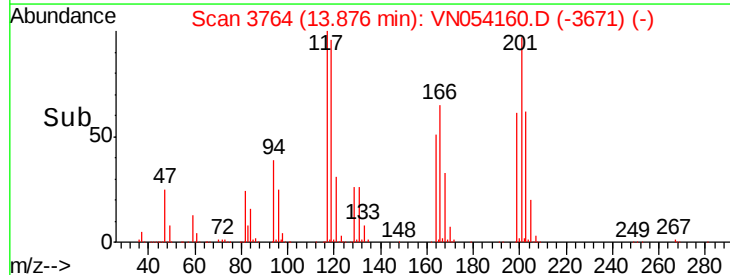
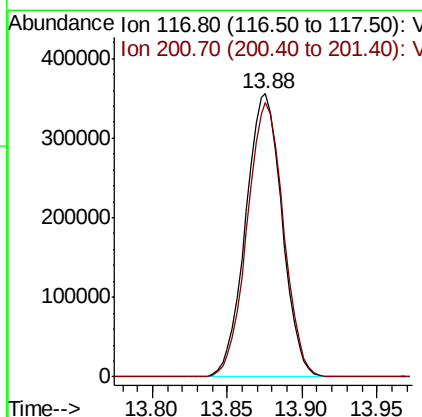
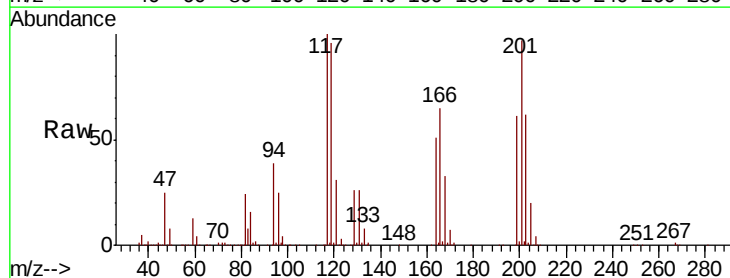
Manual Integrations
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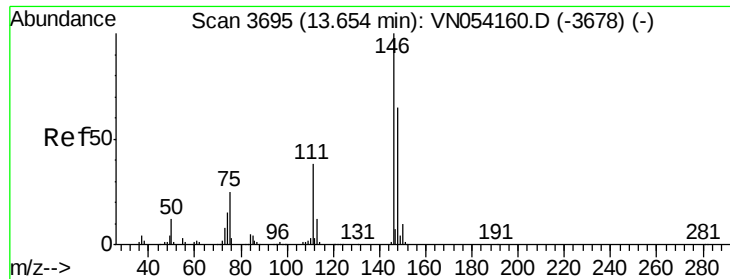
MMDadoda
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#90
Hexachloroethane
Concen: 51.387 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Tgt Ion: 117 Resp: 603082
Ion Ratio Lower Upper
117 100
201 96.3 48.1 144.4





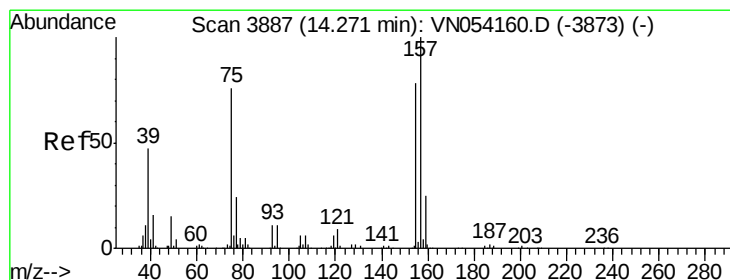
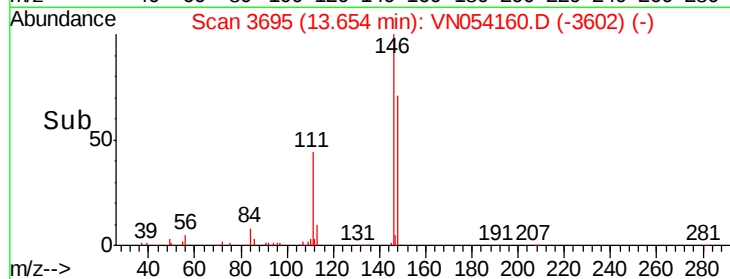
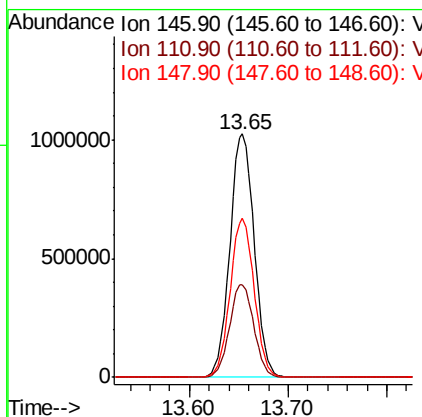
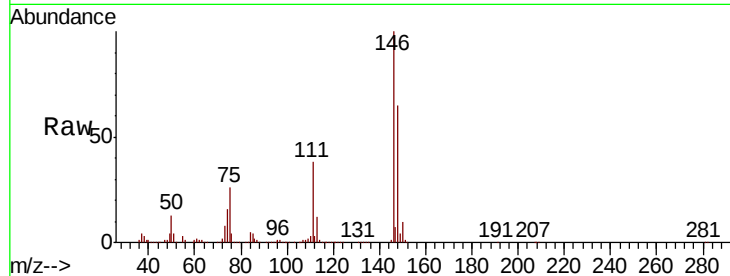
#91
 1,2-Dichlorobenzene
 Concen: 49.742 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054160.D
 Acq: 12 Mar 2019 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.3
148	64.7	32.4	97.0

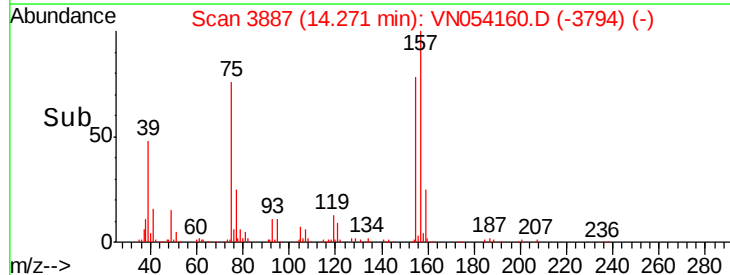
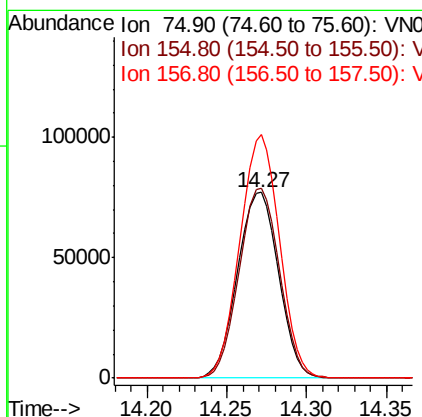
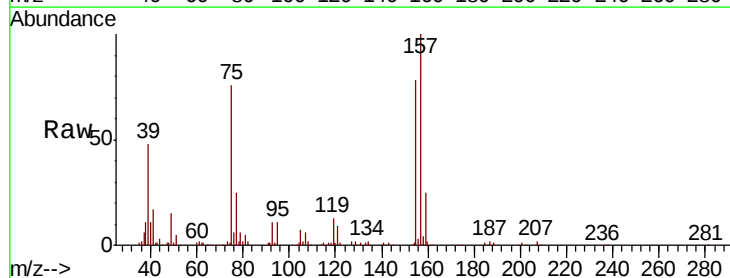
Manual Integrations
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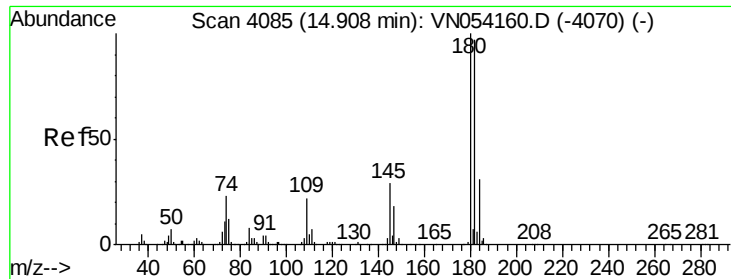
MMDadoda
 3/13/2019 11:49:13 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.519 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054160.D
 Acq: 12 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.2	50.1	150.3
157	126.2	63.1	189.3





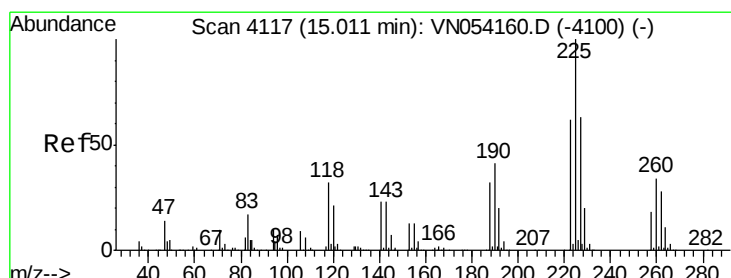
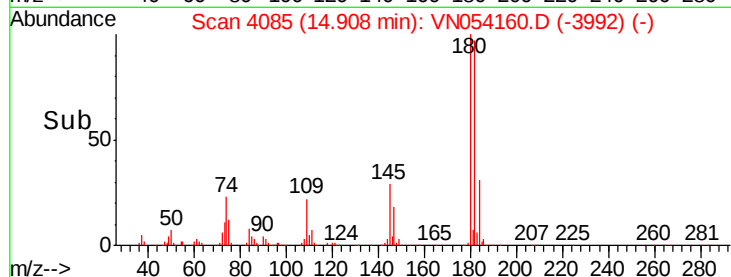
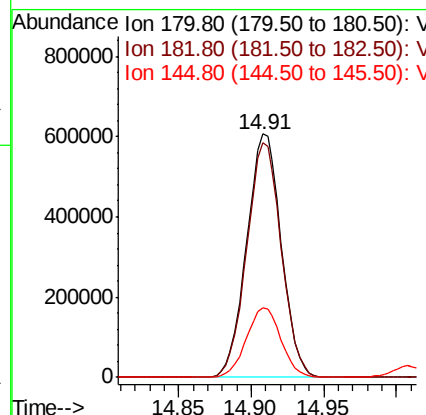
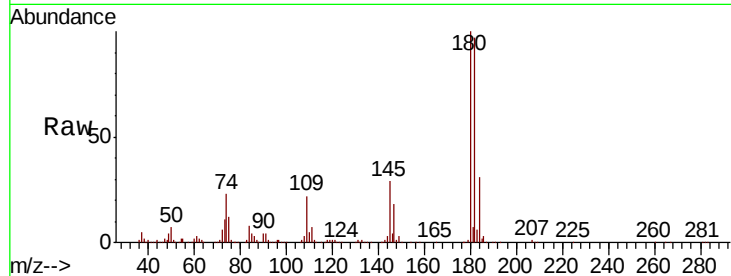
#93
 1,2,4-Trichlorobenzene
 Concen: 47.192 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054160.D
 Acq: 12 Mar 2019 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.0	144.2
145	28.5	14.2	42.8

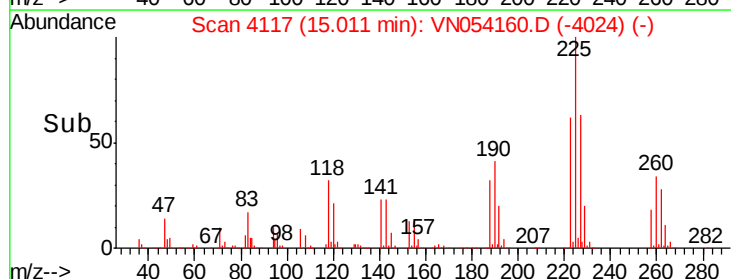
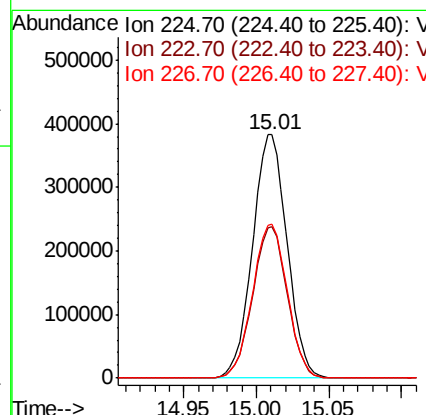
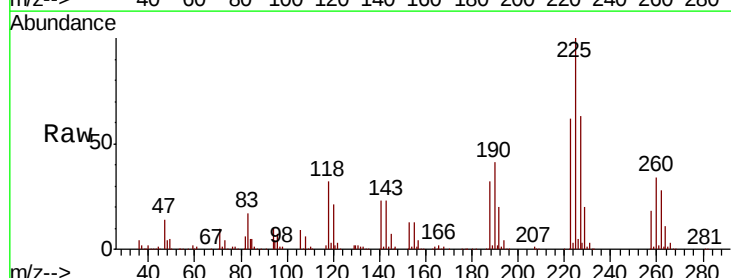
Manual Integrations
 APPROVED

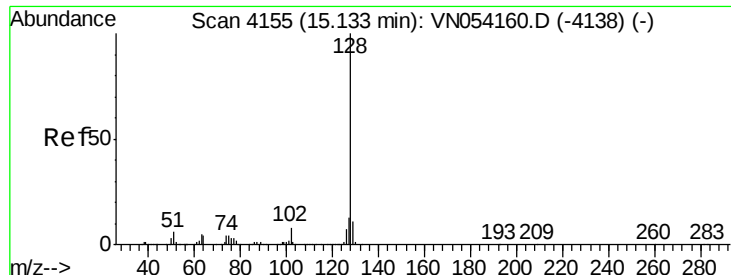
MMDadoda
 3/13/2019 11:49:13 AM



#94
 Hexachlorobutadiene
 Concen: 46.919 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054160.D
 Acq: 12 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.1	93.5
227	63.9	31.9	95.9





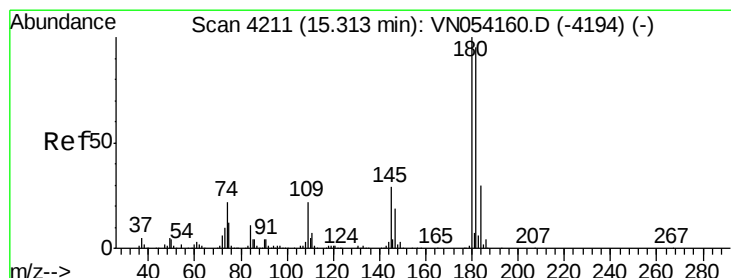
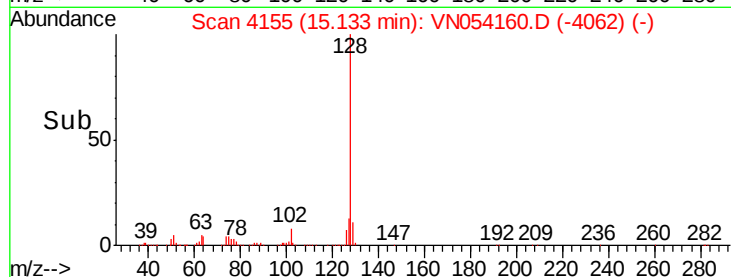
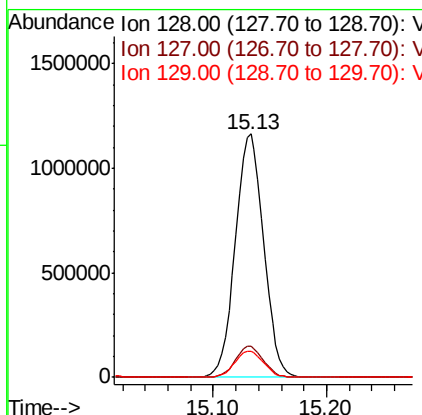
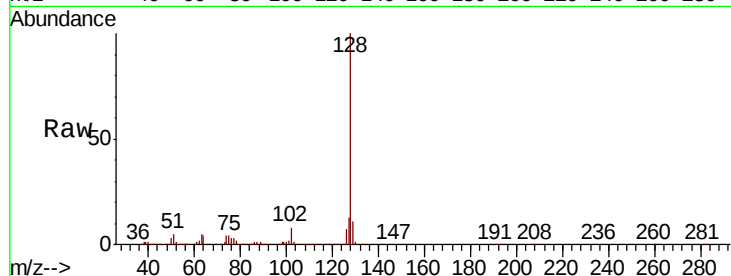
#95
Naphthalene
Concen: 45.746 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:49:13 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.489 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054160.D
Acq: 12 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	29.5	14.8	44.3

