

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054817.D
 Acq On : 30 Mar 2019 21:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 1:32:31 PM

Quant Time: Mar 31 00:05:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	415064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	702921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	614682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	266809	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	307376	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	
35) Dibromofluoromethane	7.59	113	239856	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
50) Toluene-d8	10.09	98	883895	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.40	95	298330	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	202591	48.255	ug/l	100
3) Chloromethane	2.06	50	278966	48.056	ug/l	100
4) Vinyl Chloride	2.19	62	260888	50.045	ug/l	99
5) Bromomethane	2.57	94	88877	31.695	ug/l	99
6) Chloroethane	2.71	64	144768	49.732	ug/l	99
7) Trichlorofluoromethane	3.02	101	332593	51.894	ug/l	97
8) Diethyl Ether	3.41	74	115026	55.737	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	163909	48.582	ug/l	95
10) Methyl Iodide	3.94	142	154524	33.456	ug/l #	88
11) Tert butyl alcohol	4.83	59	113115	388.019	ug/l	97
12) 1,1-Dichloroethene	3.73	96	172865	52.983	ug/l #	76
13) Acrolein	3.61	56	65984	253.188	ug/l	98
14) Allyl chloride	4.31	41	424138	52.777	ug/l #	91
15) Acrylonitrile	5.00	53	531379	327.940	ug/l	99
16) Acetone	3.82	43	371961	278.779	ug/l #	82
17) Carbon Disulfide	4.04	76	449703	42.496	ug/l	99
18) Methyl Acetate	4.33	43	240251	69.490	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	673456	59.009	ug/l	92
20) Methylene Chloride	4.54	84	248810	52.866	ug/l #	81
21) trans-1,2-Dichloroethene	5.03	96	228228	53.256	ug/l	87
22) Diisopropyl ether	5.96	45	905889	56.994	ug/l #	93
23) Vinyl Acetate	5.90	43	3478782	314.507	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	465445	54.895	ug/l	98
25) 2-Butanone	6.85	43	683371	346.488	ug/l #	87
26) 2,2-Dichloropropane	6.83	77	244949	41.219	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	266517	55.052	ug/l	90
28) Bromochloromethane	7.20	49	241060	56.858	ug/l #	71
29) Tetrahydrofuran	7.22	42	465560	339.864	ug/l #	84
30) Chloroform	7.37	83	452106	55.920	ug/l	98
31) Cyclohexane	7.65	56	422202	54.849	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	377795	56.387	ug/l	96
36) 1,1-Dichloropropene	7.79	75	333618	50.935	ug/l	95
37) Ethyl Acetate	6.94	43	302246	62.926	ug/l #	94
38) Carbon Tetrachloride	7.77	117	318278	50.030	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	346515	48.121	ug/l	87
40) Benzene	8.04	78	1016891	54.258	ug/l	100
41) Methacrylonitrile	7.18	41	167545	62.095	ug/l	90
42) 1,2-Dichloroethane	8.13	62	367124	54.861	ug/l	98
43) Isopropyl Acetate	8.17	43	510635	65.428	ug/l #	93
44) Trichloroethene	8.84	130	255134	52.442	ug/l	90
45) 1,2-Dichloropropane	9.12	63	284788	53.291	ug/l	99
46) Dibromomethane	9.21	93	166391	55.349	ug/l	89
47) Bromodichloromethane	9.41	83	348675	55.808	ug/l	98
48) Methyl methacrylate	9.20	41	262921	62.147	ug/l	87
49) 1,4-Dioxane	9.20	88	57318	1365.455	ug/l #	81
51) 4-Methyl-2-Pentanone	9.99	43	1495731	340.878	ug/l	93
52) Toluene	10.16	92	600930	53.885	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	328402	55.878	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	388253	55.303	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	232630	56.099	ug/l	96
56) Ethyl methacrylate	10.43	69	334406	61.476	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	407242	57.124	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	663664	281.855	ug/l #	89
59) 2-Hexanone	10.75	43	951568	338.763	ug/l	90
60) Dibromochloromethane	10.90	129	246565	58.698	ug/l	100
61) 1,2-Dibromoethane	11.01	107	227971	57.527	ug/l	99
64) Tetrachloroethene	10.63	164	232692	49.332	ug/l	96
65) Chlorobenzene	11.44	112	620496	51.558	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	243156	53.979	ug/l	99
67) Ethyl Benzene	11.51	91	1128269	51.952	ug/l	97
68) m/p-Xylenes	11.62	106	830289	103.311	ug/l	94
69) o-Xylene	11.95	106	403729	51.229	ug/l	93
70) Styrene	11.97	104	685045	54.365	ug/l	97
71) Bromoform	12.13	173	159024	60.260	ug/l #	99
73) Isopropylbenzene	12.25	105	1075346	49.310	ug/l	97
74) N-amyl acetate	12.07	43	409866	60.327	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	308784	64.735	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	274875m	59.303	ug/l	
77) Bromobenzene	12.53	156	267711	50.864	ug/l	83
78) n-propylbenzene	12.59	91	1189114	49.610	ug/l	95
79) 2-Chlorotoluene	12.68	91	725967	48.956	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	882144	49.298	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	62289	52.273	ug/l #	84
82) 4-Chlorotoluene	12.77	91	714319	49.594	ug/l	95
83) tert-Butylbenzene	12.99	119	760727	55.080	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	872852	51.201	ug/l	96
85) sec-Butylbenzene	13.17	105	950937	48.920	ug/l	96
86) p-Isopropyltoluene	13.29	119	821134	47.895	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	441249	50.074	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	432034	49.988	ug/l	99
89) n-Butylbenzene	13.62	91	663700	47.448	ug/l	98
90) Hexachloroethane	13.88	117	141805	48.715	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	446638	50.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48537	65.105	ug/l	82

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QLast Update : Sat Mar 30 00:48:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	217280	50.678	ug/l	99
94) Hexachlorobutadiene	15.01	225	120271	47.250	ug/l	98
95) Naphthalene	15.13	128	555452	57.763	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	223235	51.555	ug/l	98

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

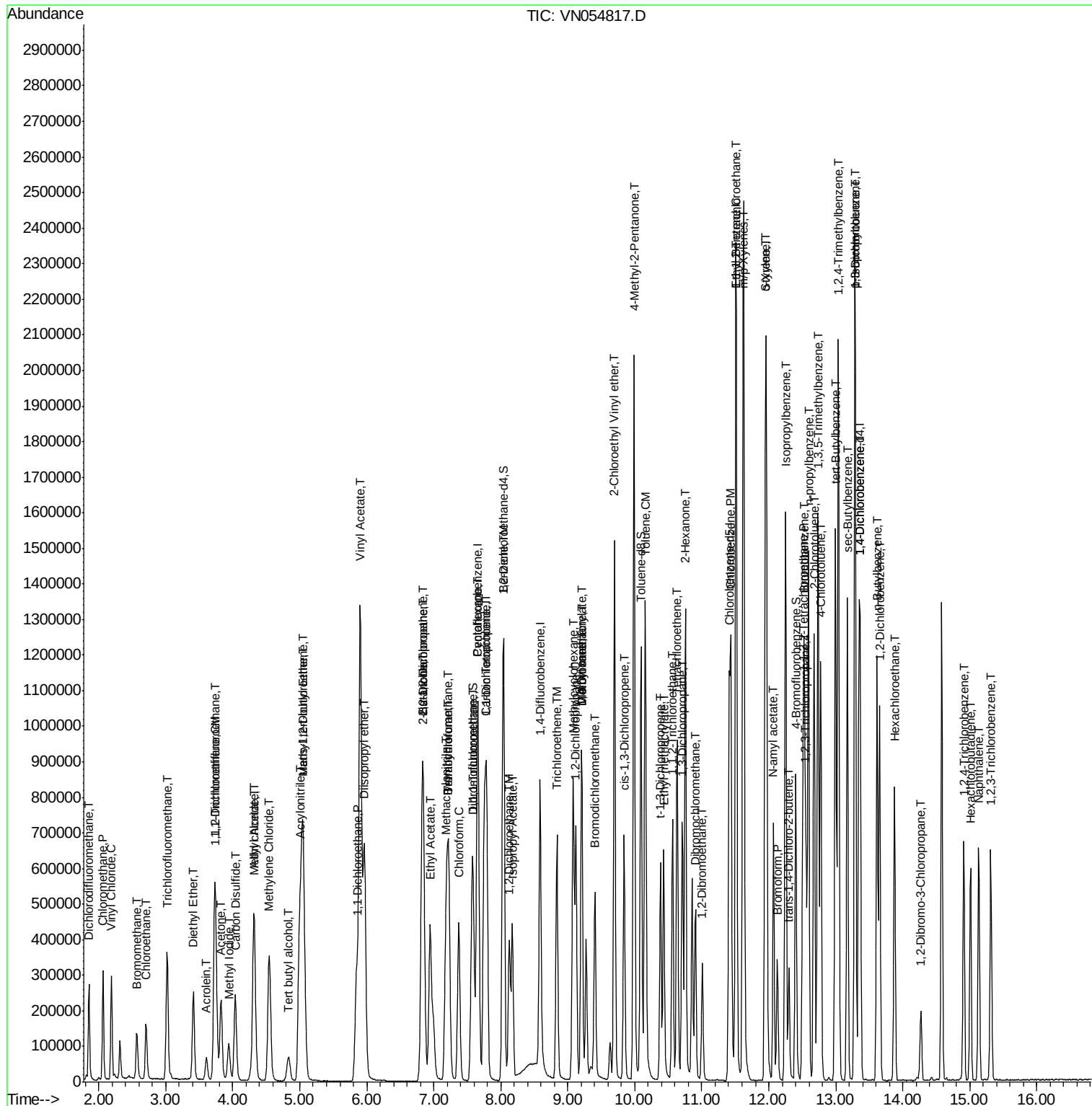
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
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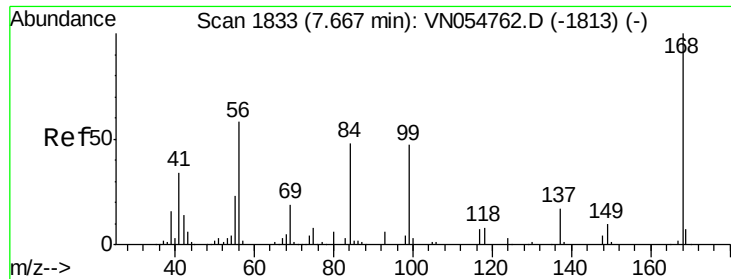
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 415064

Ion Ratio Lower Upper

168 100

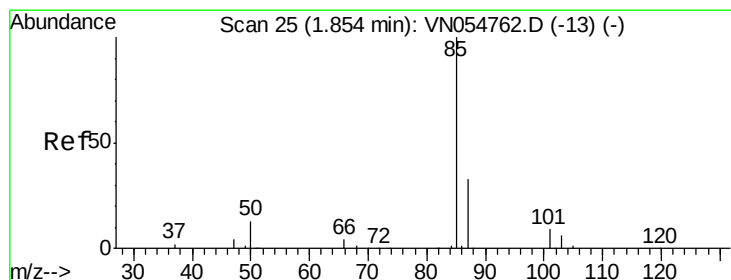
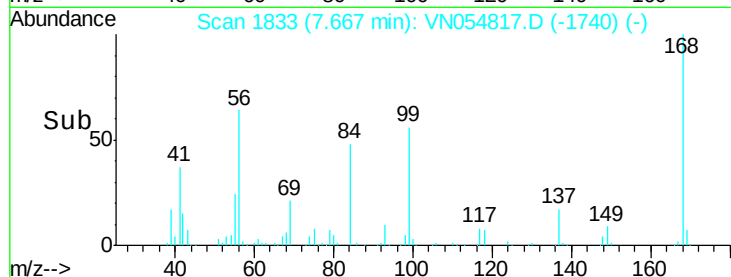
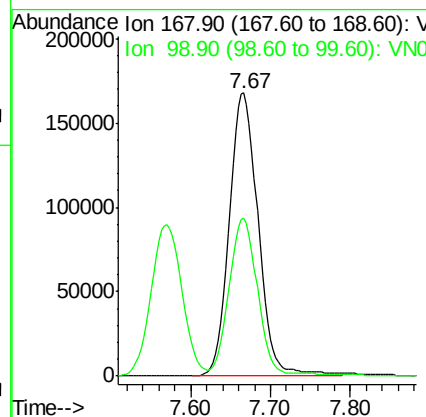
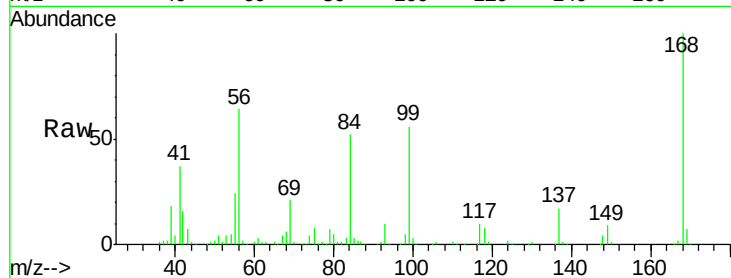
99 55.5 37.1 55.7

Manual Integrations

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4/1/2019 1:32:31 PM



#2

Dichlorodifluoromethane

Concen: 48.255 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054817.D

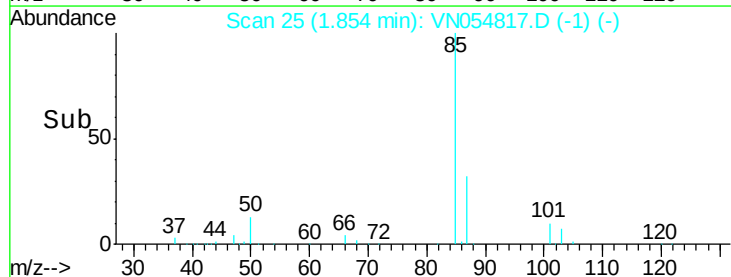
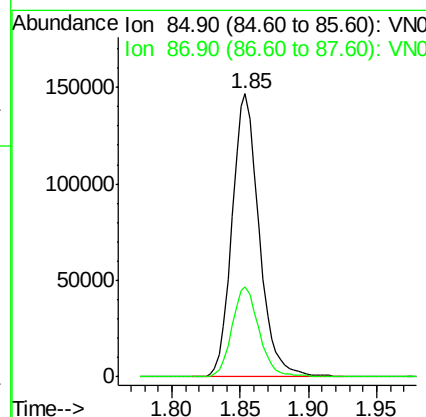
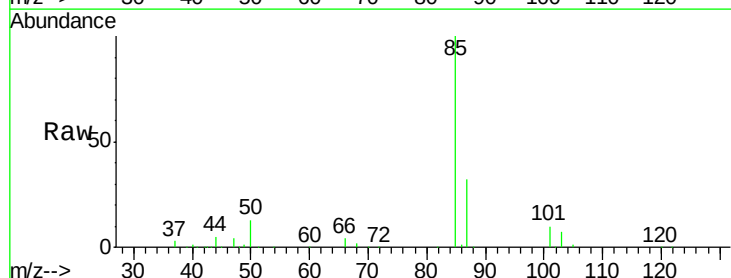
Acq: 30 Mar 2019 21:45

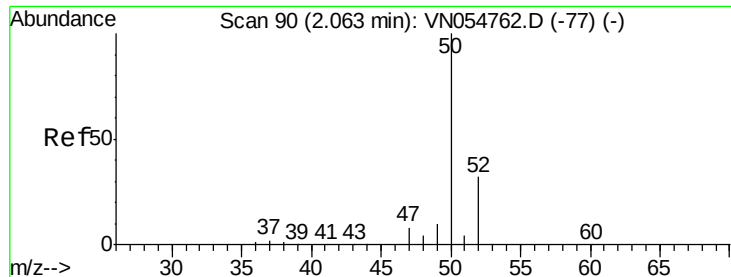
Tgt Ion: 85 Resp: 202591

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7





#3

Chloromethane

Concen: 48.056 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 278966

Ion Ratio Lower Upper

50 100

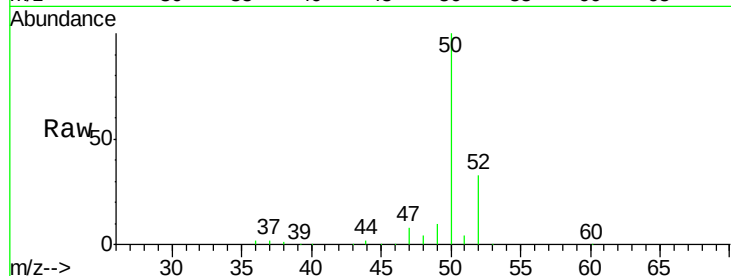
52 33.0 26.4 39.6

Manual Integrations

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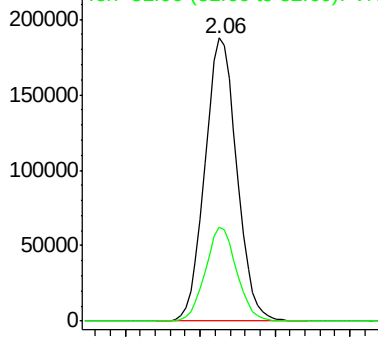
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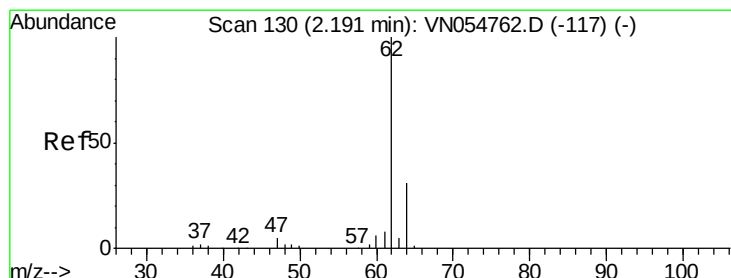
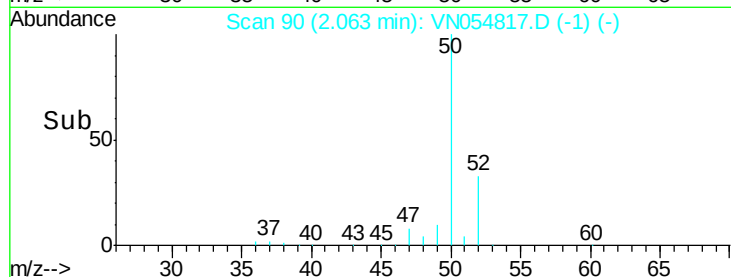


Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



Time-->



#4

Vinyl Chloride

Concen: 50.045 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054817.D

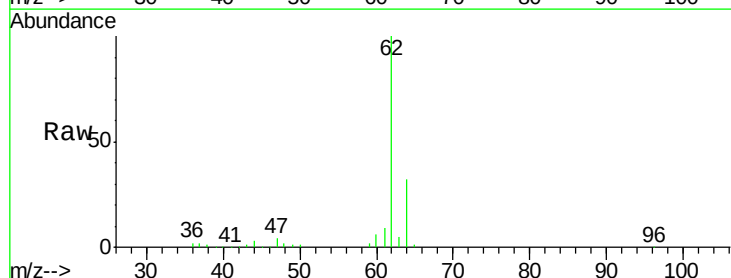
Acq: 30 Mar 2019 21:45

Tgt Ion: 62 Resp: 260888

Ion Ratio Lower Upper

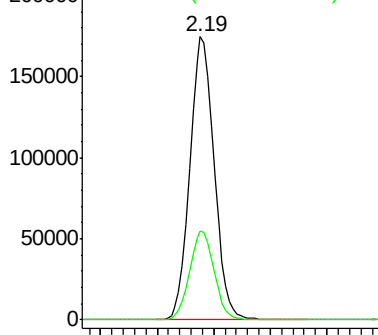
62 100

64 31.6 25.5 38.3

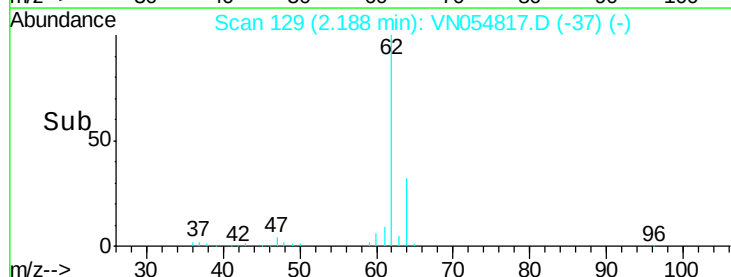


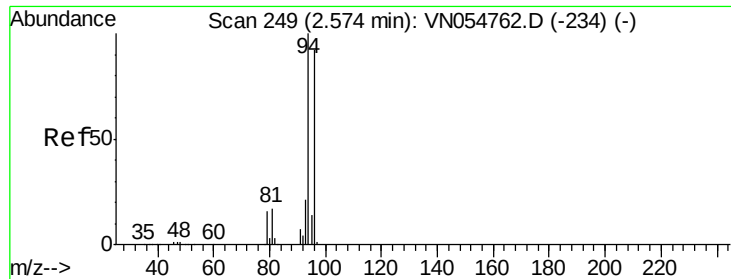
Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



Time-->





#5

Bromomethane

Concen: 31.695 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

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Tot Ion: 94 Resp: 88877

Ion Ratio Lower Upper

94 100

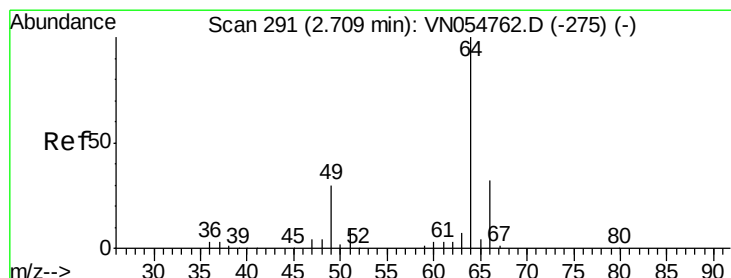
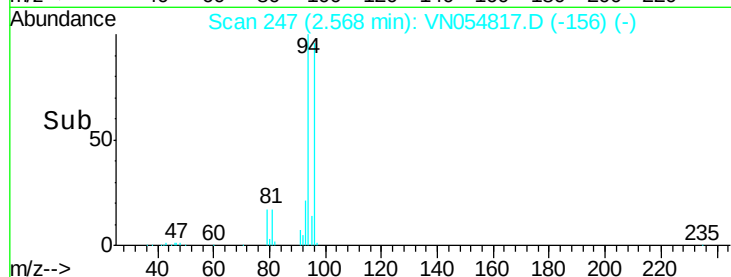
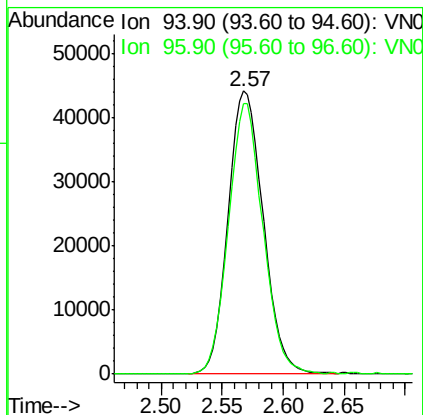
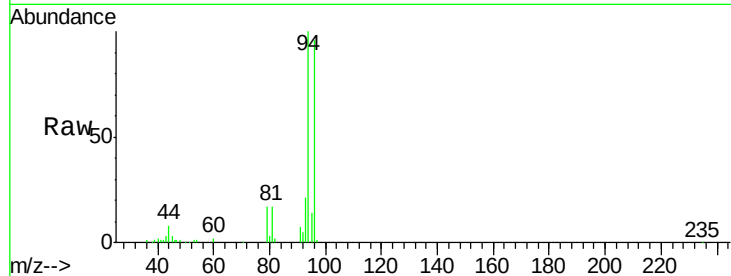
96 95.7 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 49.732 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054817.D

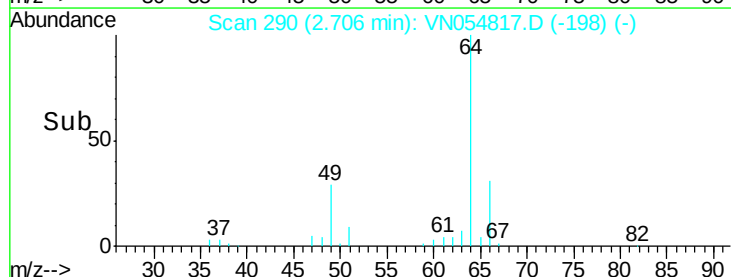
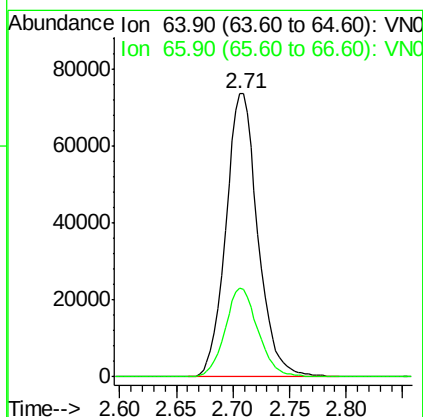
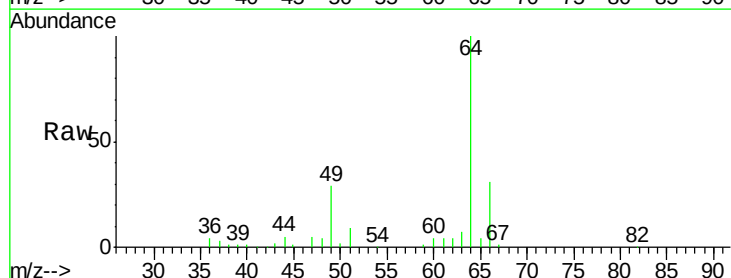
Acq: 30 Mar 2019 21:45

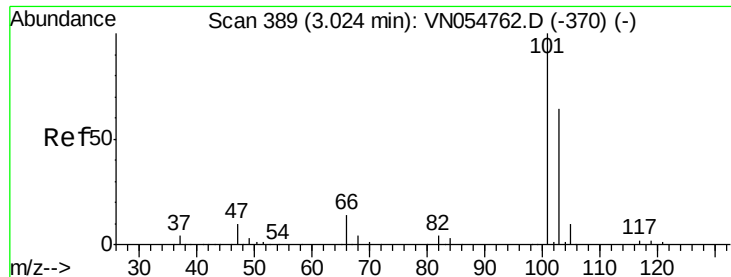
Tgt Ion: 64 Resp: 144768

Ion Ratio Lower Upper

64 100

66 31.4 25.7 38.5





#7

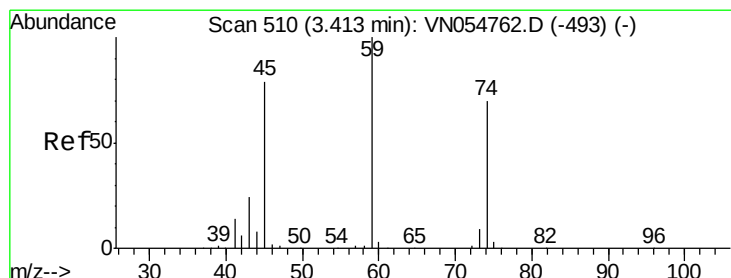
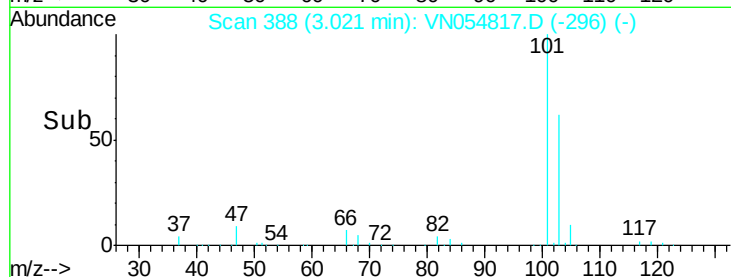
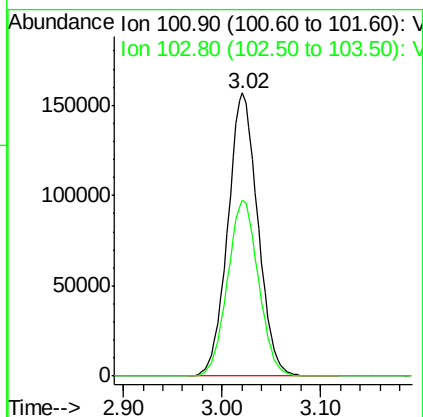
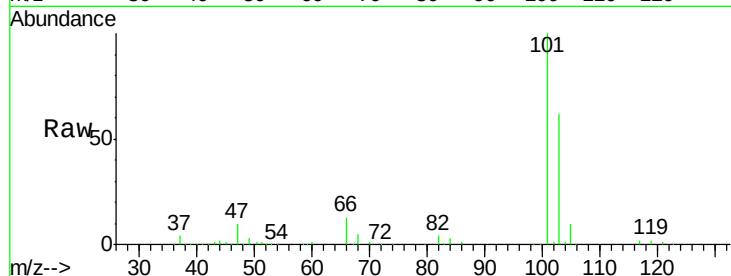
Trichlorofluoromethane
Concen: 51.894 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054817.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.4	77.2

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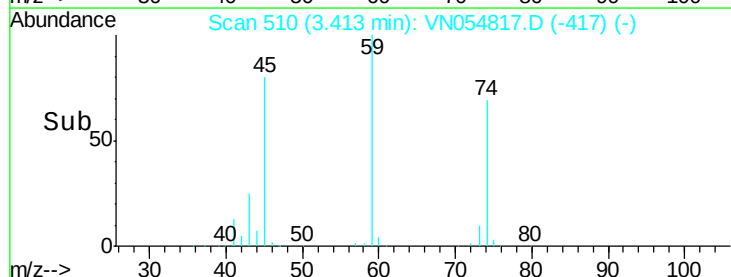
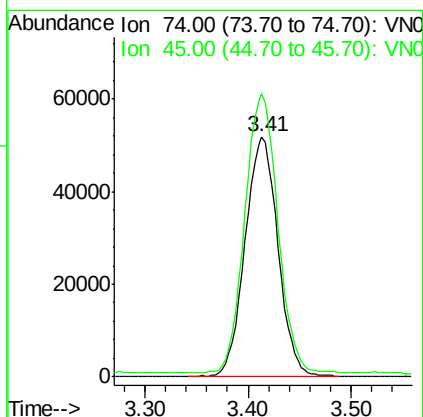
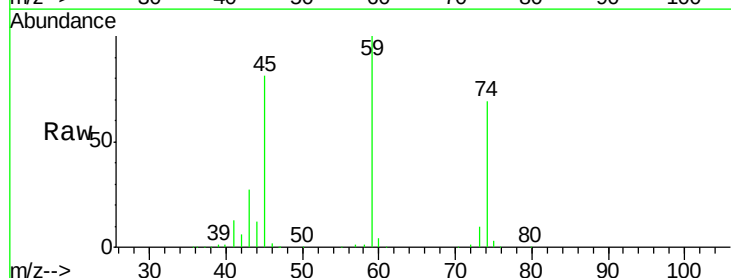
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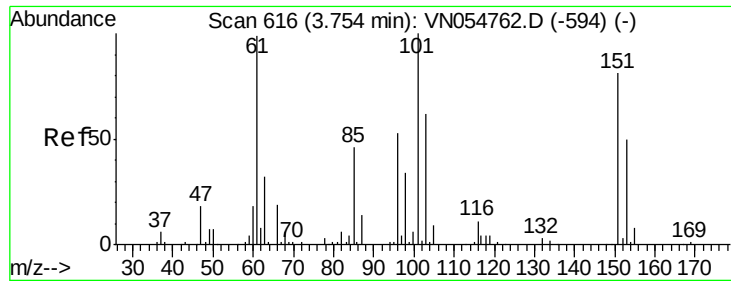


#8

Diethyl Ether
Concen: 55.737 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.6	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.582 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

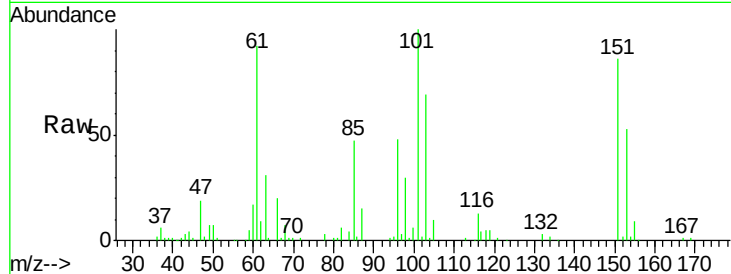
ClientSampleId :

VSTDCCC050EC

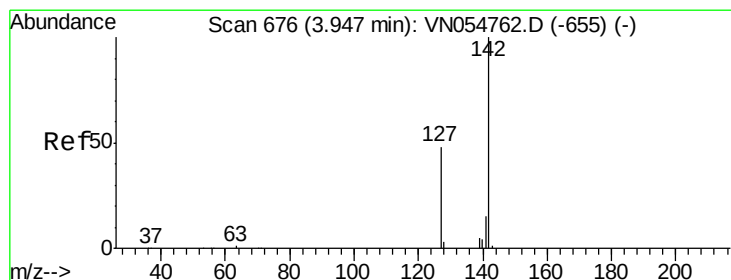
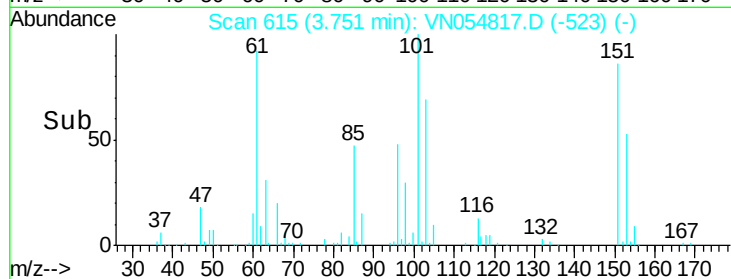
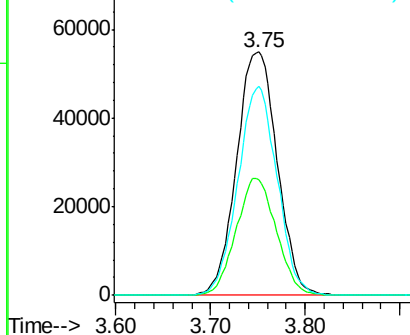
Tot Ion:	101	Resp:	163909
Ion Ratio	Lower	Upper	
101	100		
85	47.4	32.4	48.6
151	83.0	68.2	102.2

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



#10

Methyl Iodide

Concen: 33.456 ug/l

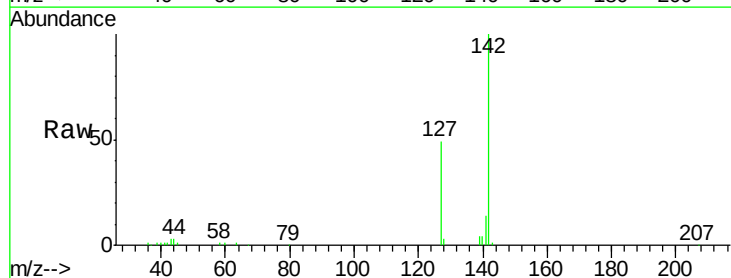
RT: 3.94 min Scan# 674

Delta R.T. -0.01 min

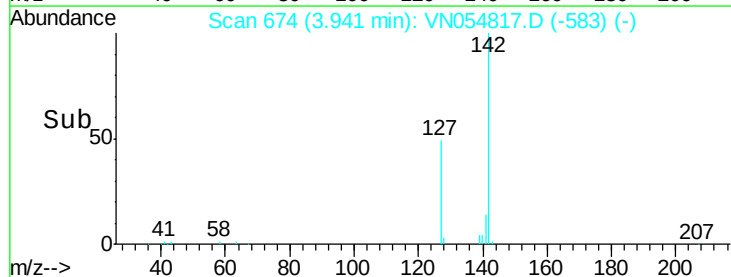
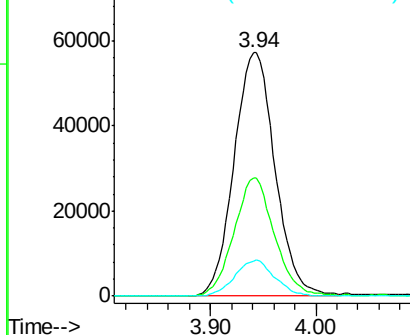
Lab File: VN054817.D

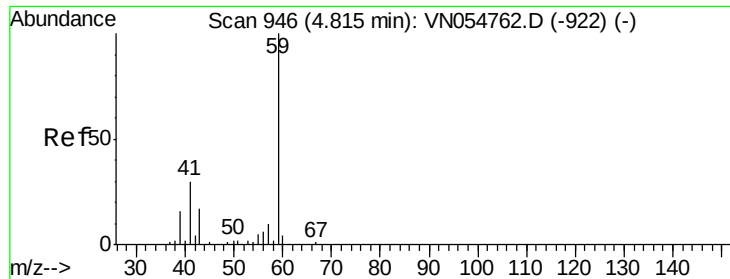
Acq: 30 Mar 2019 21:45

Tgt Ion:	142	Resp:	154524
Ion Ratio	Lower	Upper	
142	100		
127	47.9	30.3	45.5#
141	14.4	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





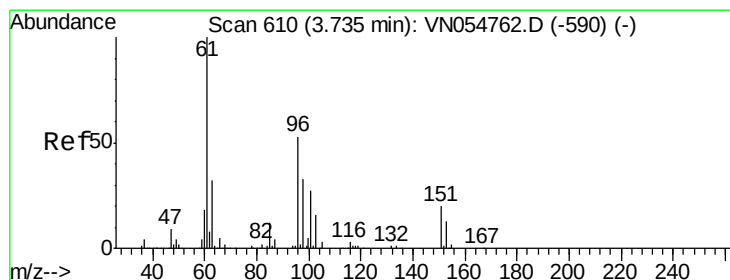
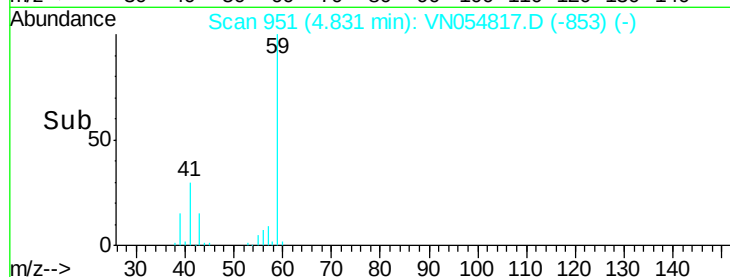
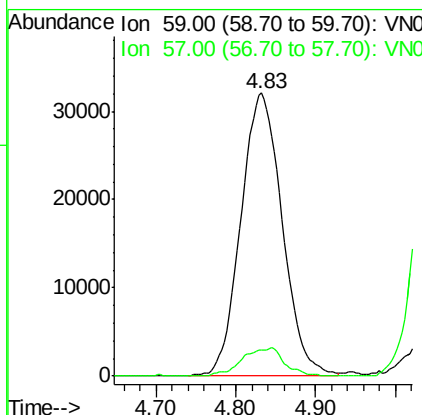
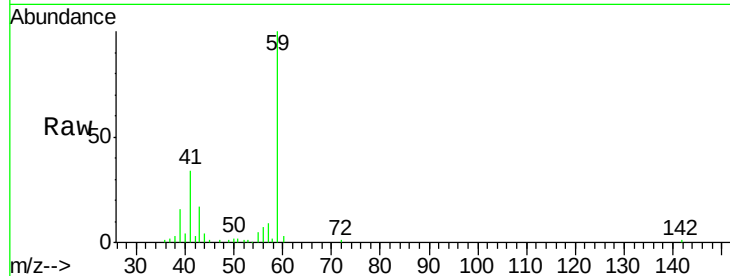
#11
Tert butyl alcohol
Concen: 388.019 ug/l
RT: 4.83 min Scan# 951
Delta R.T. 0.02 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	9.0	13.6

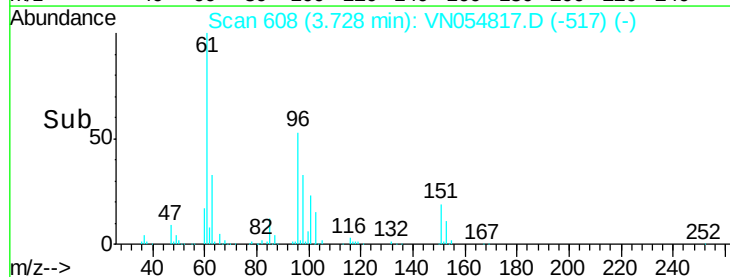
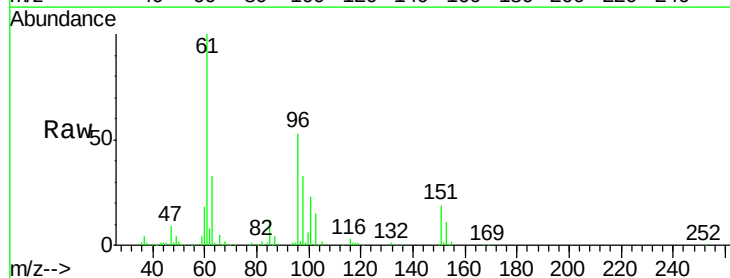
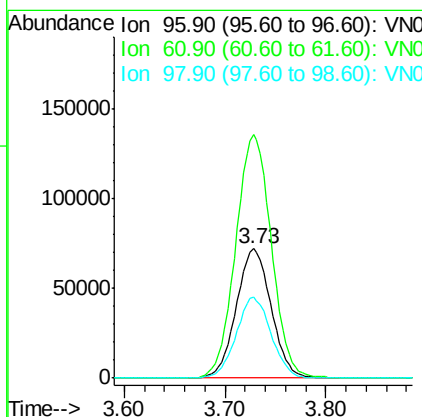
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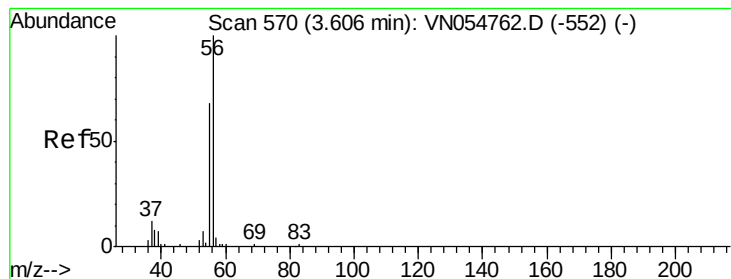
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#12
1,1-Dichloroethene
Concen: 52.983 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.01 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.3	116.5	174.7#
98	62.8	51.0	76.4





#13

Acrolein

Concen: 253.188 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 65984

Ion Ratio Lower Upper

56 100

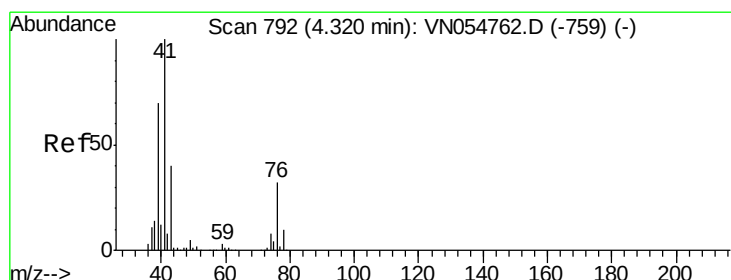
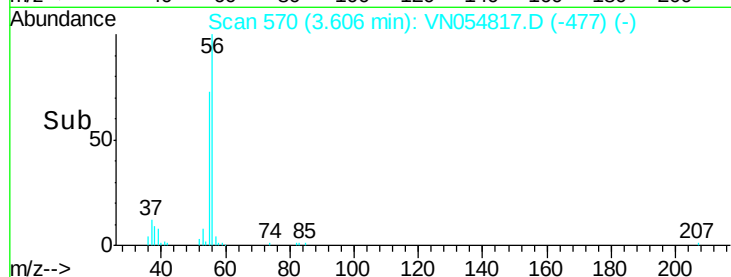
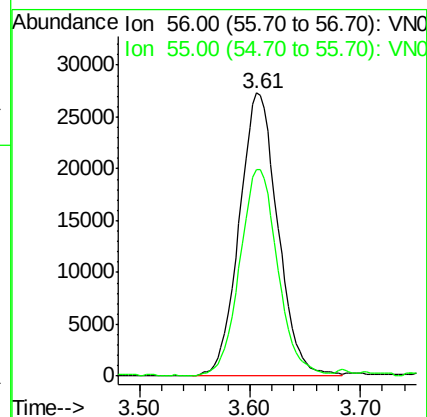
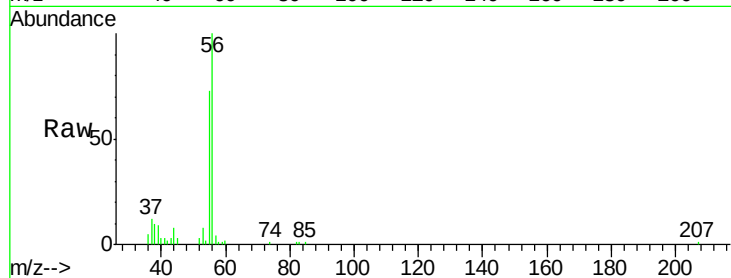
55 72.4 56.7 85.1

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#14

Allyl chloride

Concen: 52.777 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.01 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

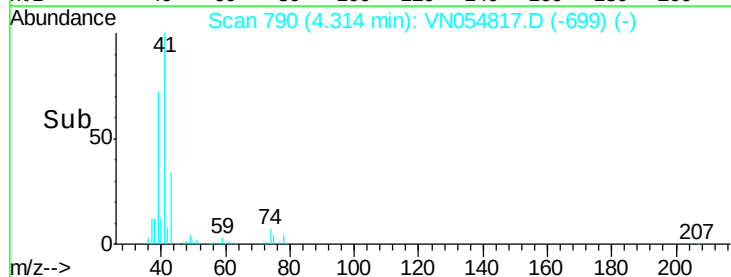
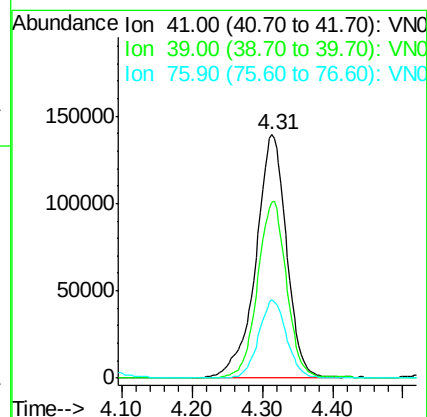
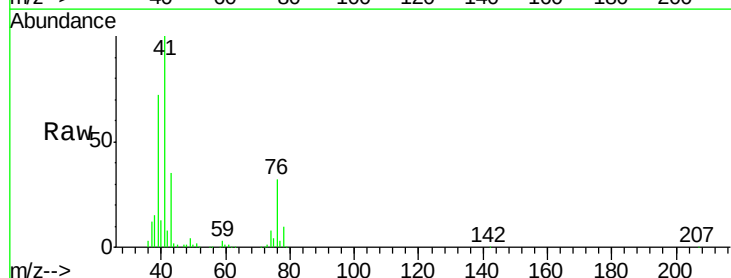
Tgt Ion: 41 Resp: 424138

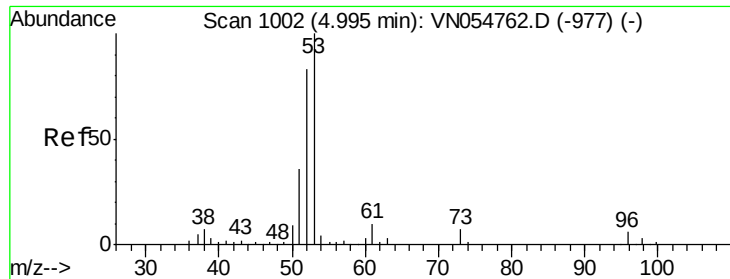
Ion Ratio Lower Upper

41 100

39 68.6 58.2 87.4

76 29.2 31.7 47.5#





#15

Acrylonitrile

Concen: 327.940 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

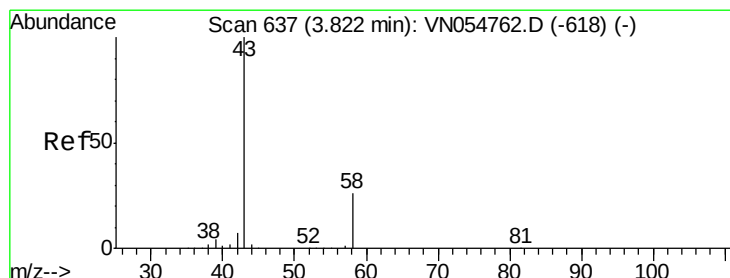
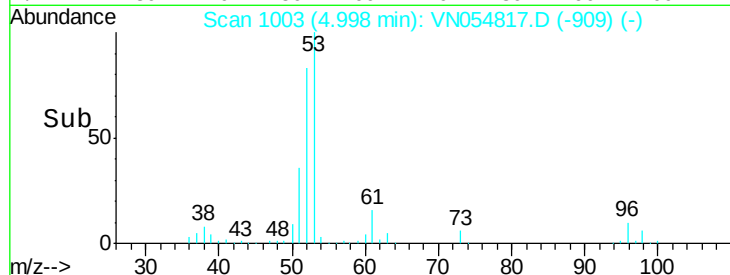
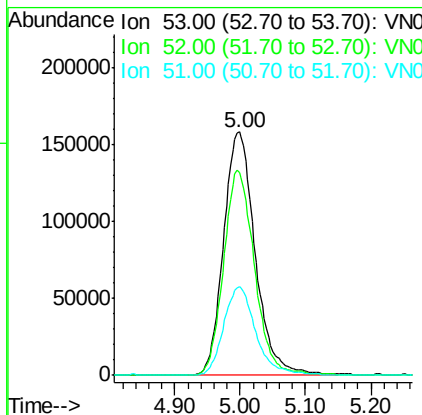
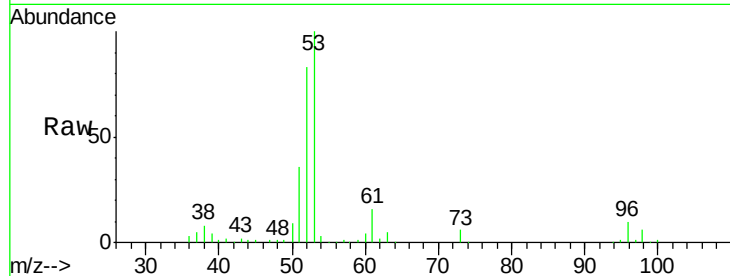
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	531379
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	37.2	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 278.779 ug/l

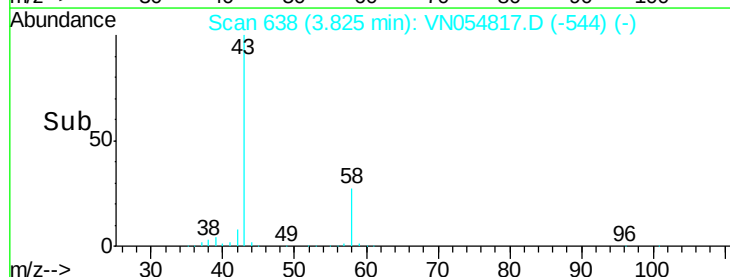
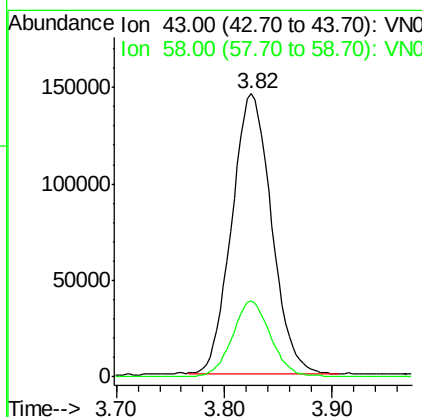
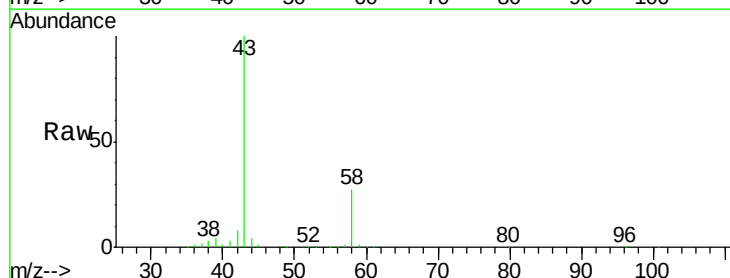
RT: 3.82 min Scan# 638

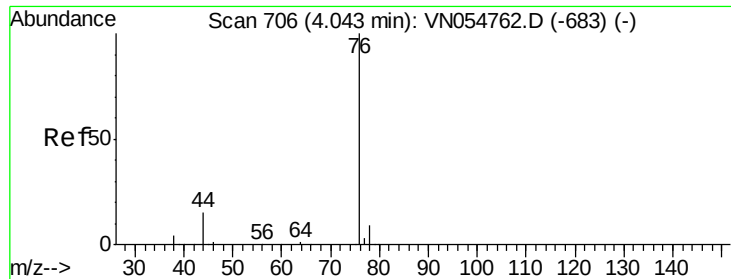
Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Tgt Ion:	43	Resp:	371961
Ion	Ratio	Lower	Upper
43	100		
58	26.9	29.9	44.9#





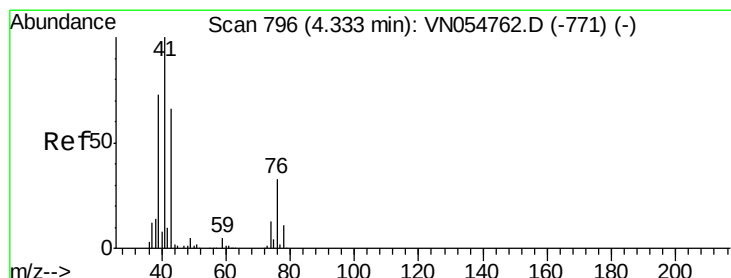
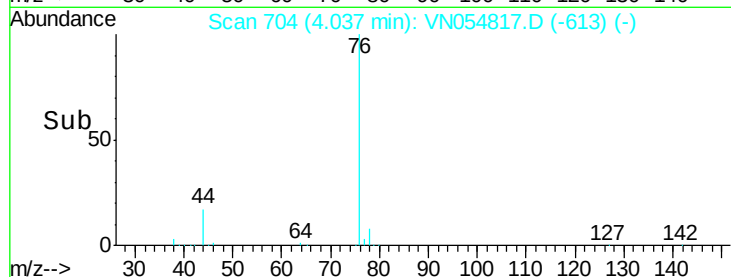
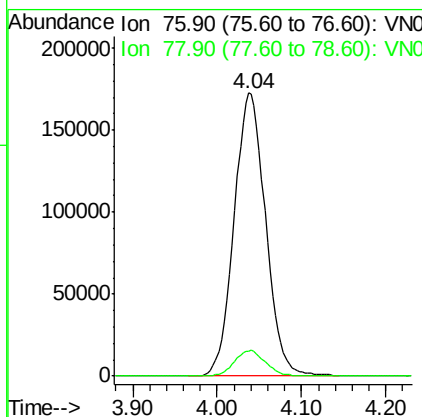
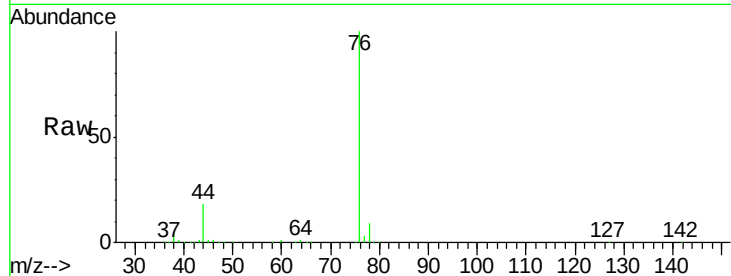
#17
Carbon Disulfide
Concen: 42.496 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.01 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

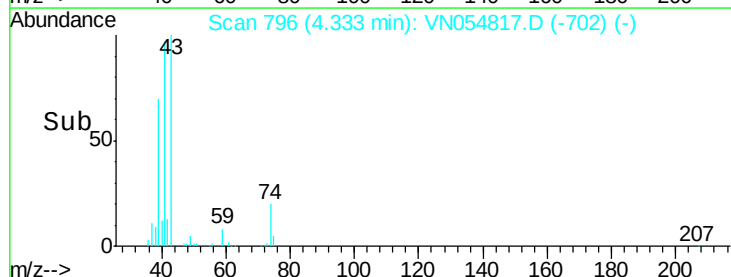
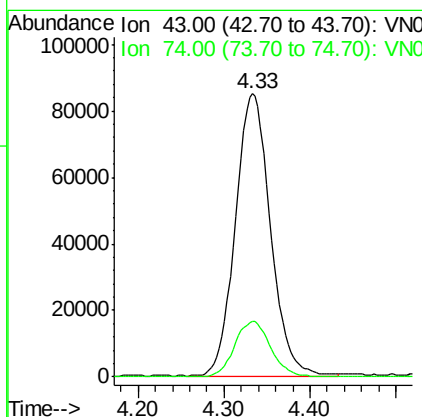
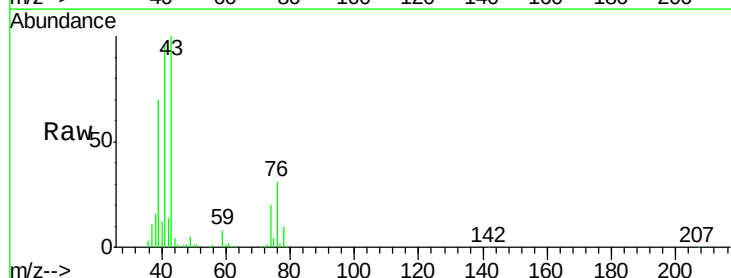
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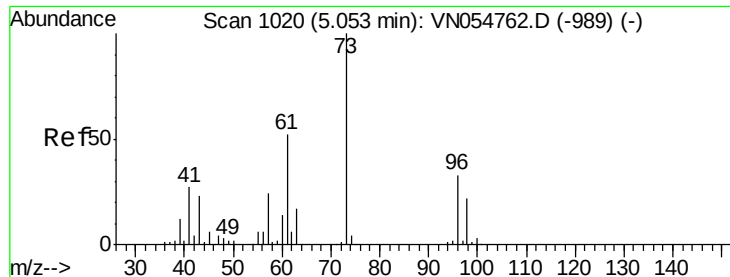
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#18
Methyl Acetate
Concen: 69.490 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	20.8	31.2#





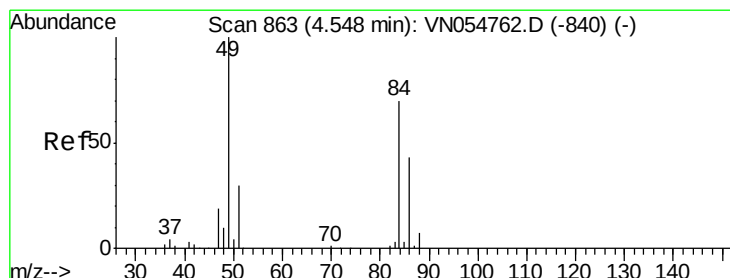
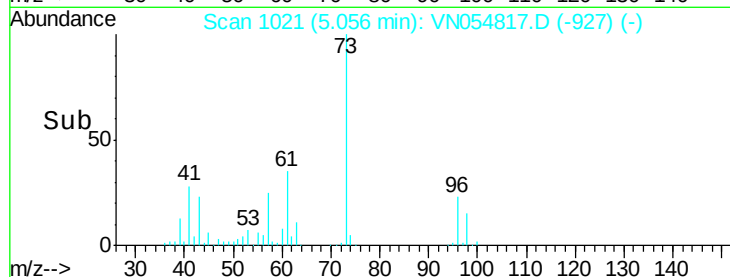
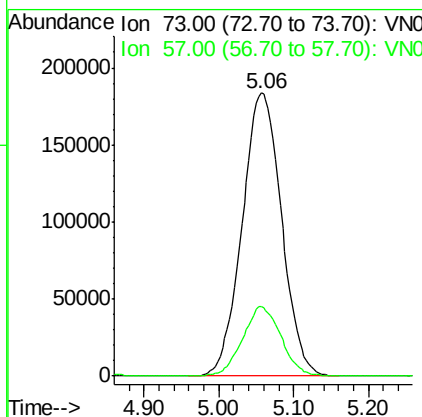
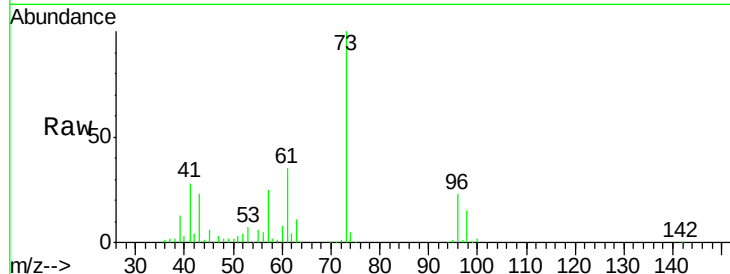
#19
Methvl tert-butvl Ether
Concen: 59.009 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 673456
Ion Ratio Lower Upper
73 100
57 24.8 16.8 25.2

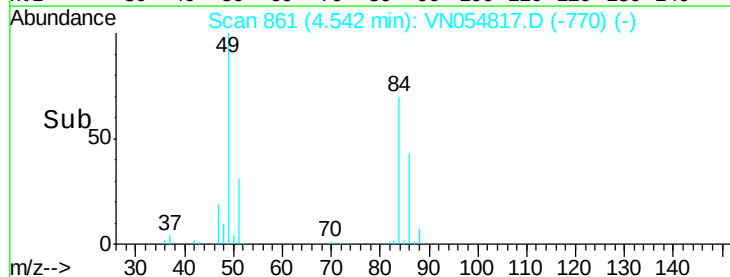
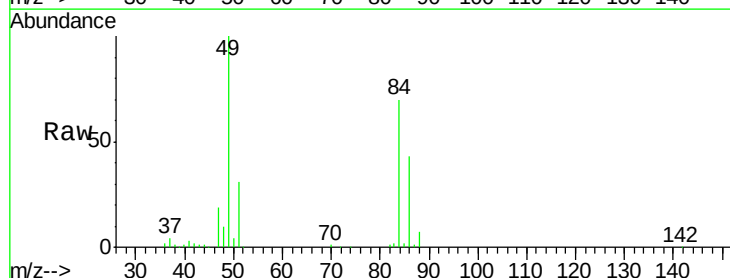
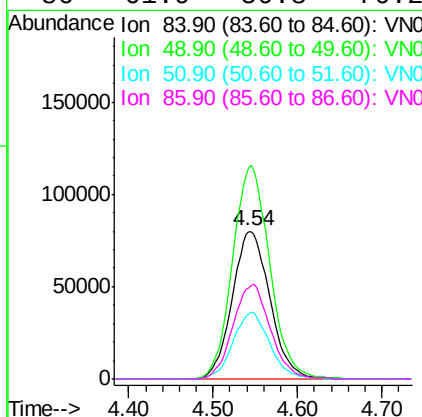
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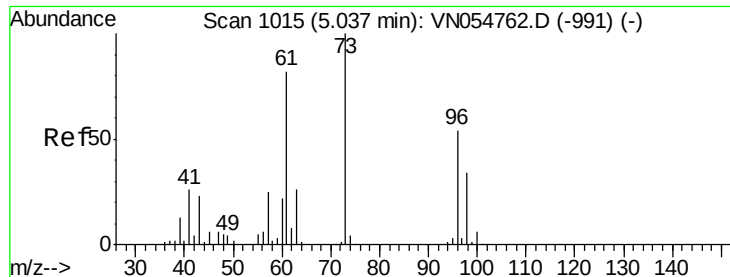
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#20
Methylene Chloride
Concen: 52.866 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.01 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion: 84 Resp: 248810
Ion Ratio Lower Upper
84 100
49 143.3 89.7 134.5#
51 44.4 28.2 42.4#
86 61.9 50.8 76.2





#21

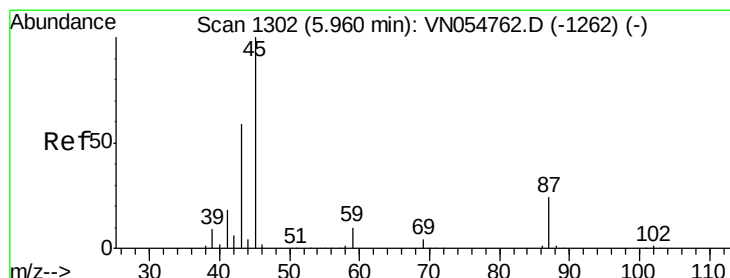
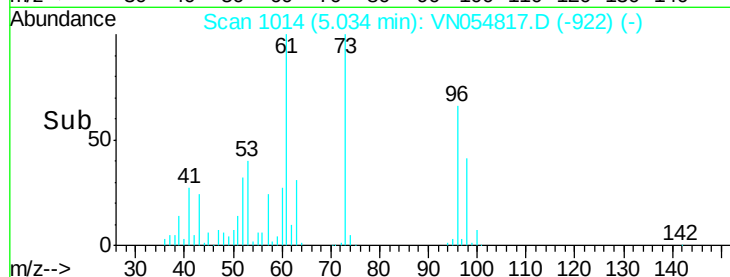
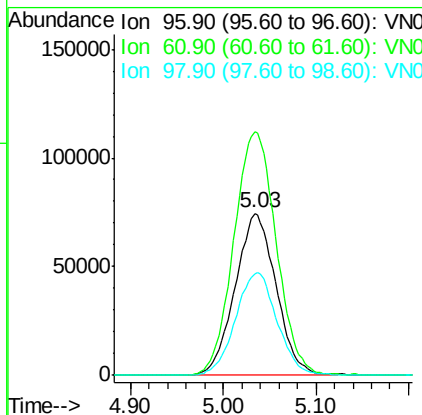
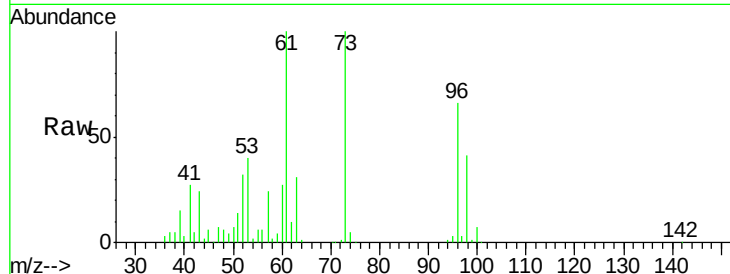
trans-1,2-Dichloroethene
Concen: 53.256 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.9	102.8	154.2
98	62.2	50.0	75.0

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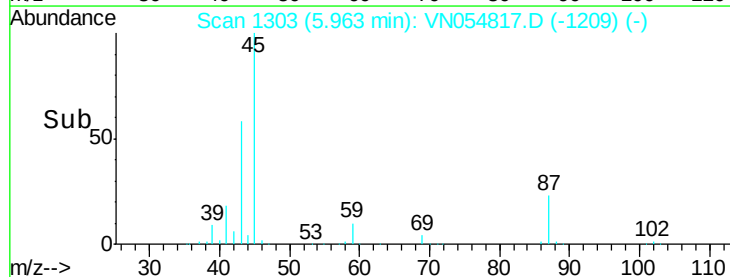
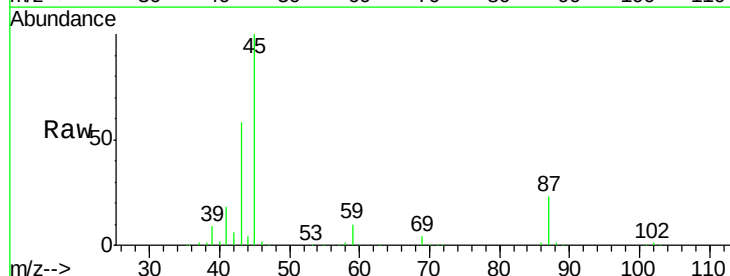
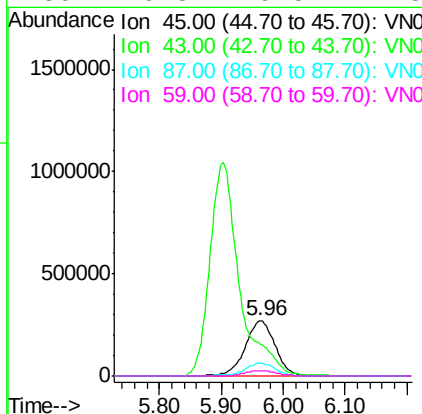
MMDadoda
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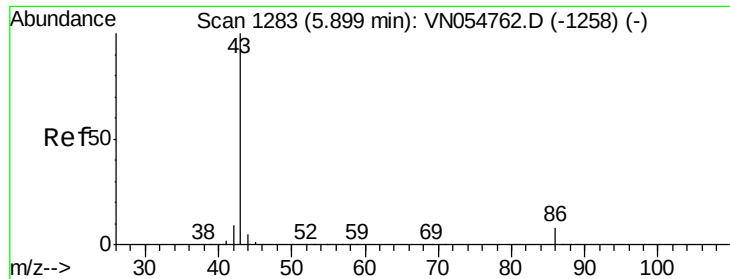


#22

Diisopropyl ether
Concen: 56.994 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.3	48.2	72.2
87	22.7	24.9	37.3
59	10.3	9.5	14.3





#23

Vinyl Acetate

Concen: 314.507 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3478782

Ion Ratio Lower Upper

43 100

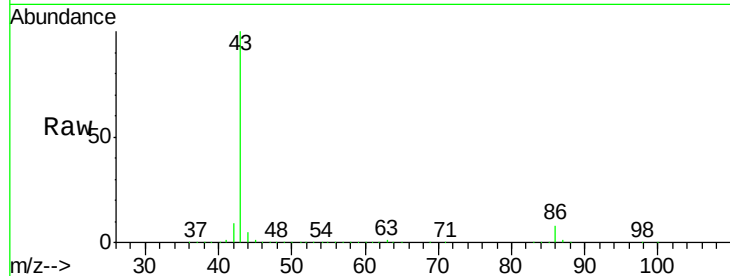
86 8.4 9.1 13.7#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1200000

1000000

800000

600000

400000

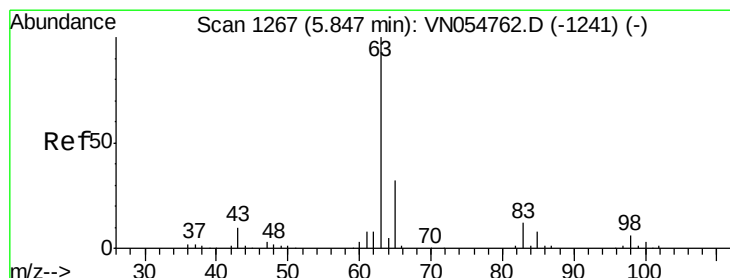
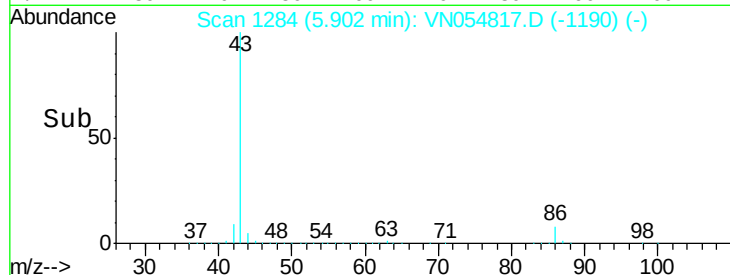
200000

0

5.80

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 54.895 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

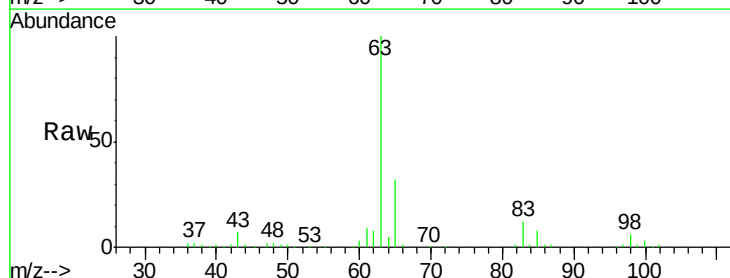
Tgt Ion: 63 Resp: 465445

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.5

100 3.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

200000

150000

100000

50000

0

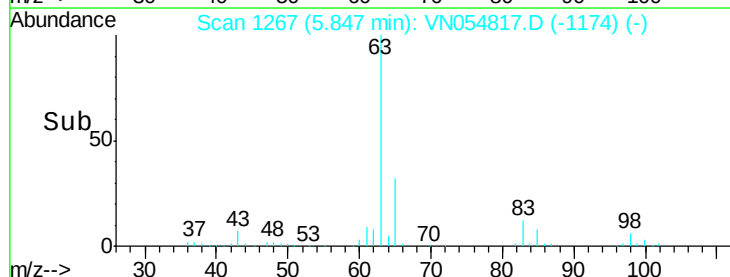
5.70

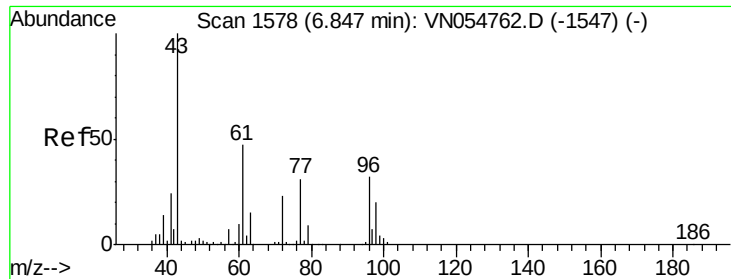
5.80

5.90

6.00

Time-->





#25

2-Butanone

Concen: 346.488 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 683371

Ion Ratio Lower Upper

43 100

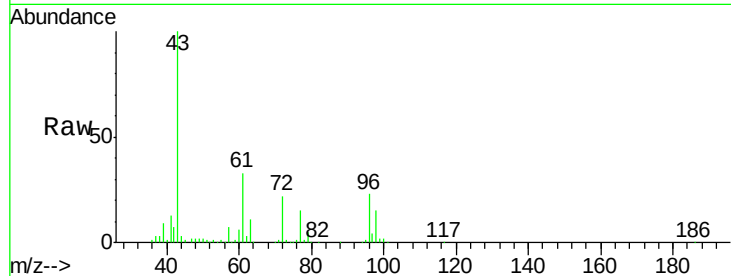
72 21.9 23.0 34.6#

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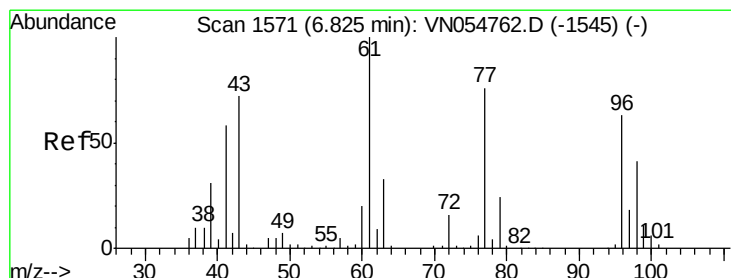
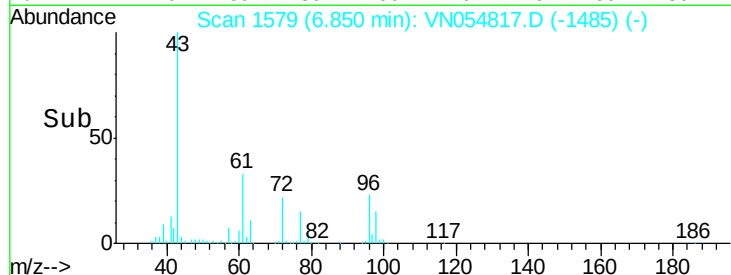
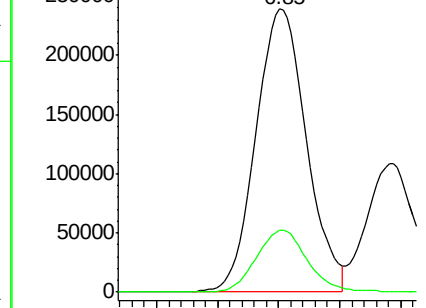
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 41.219 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054817.D

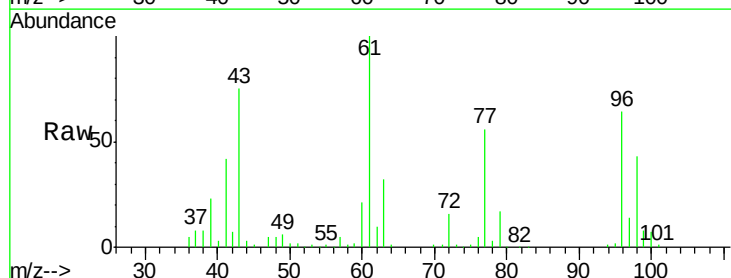
Acq: 30 Mar 2019 21:45

Tgt Ion: 77 Resp: 244949

Ion Ratio Lower Upper

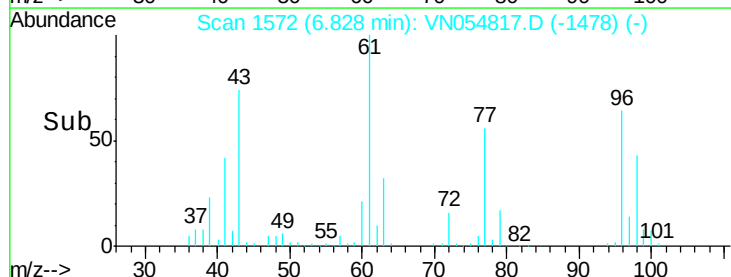
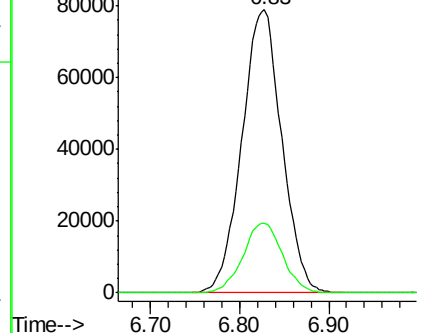
77 100

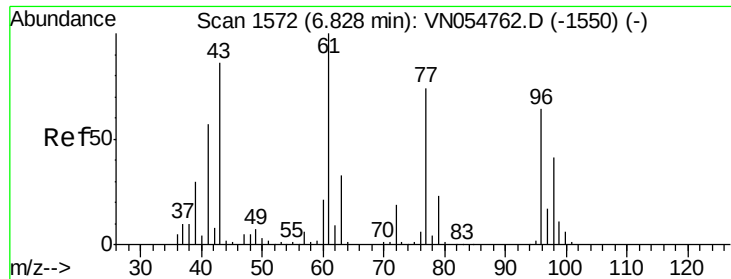
97 24.6 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 55.052 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

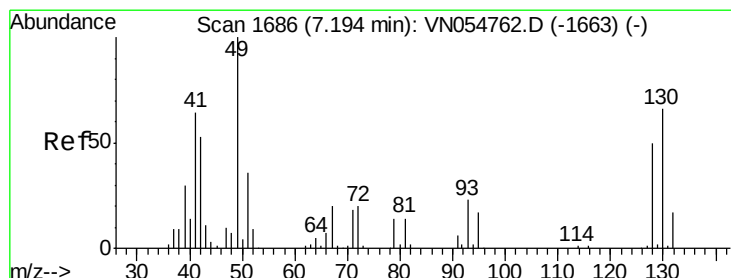
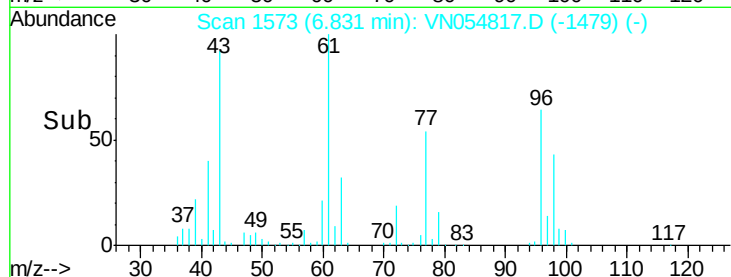
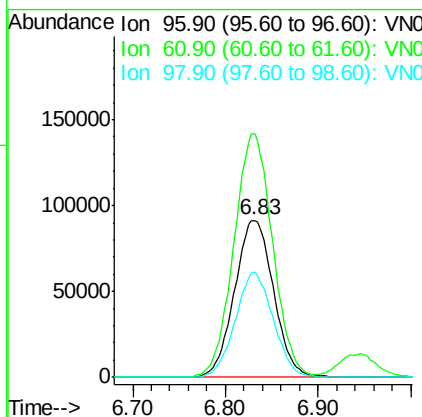
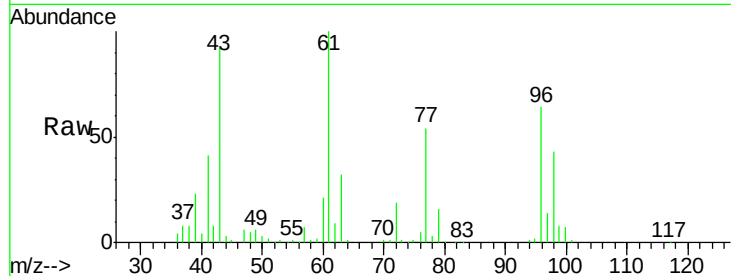
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	266517
Ion Ratio	Lower	Upper	
96	100		
61	154.0	0.0	273.0
98	65.2	0.0	130.6

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#28

Bromochloromethane

Concen: 56.858 ug/l

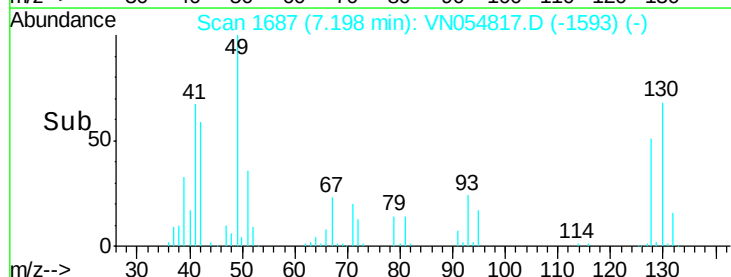
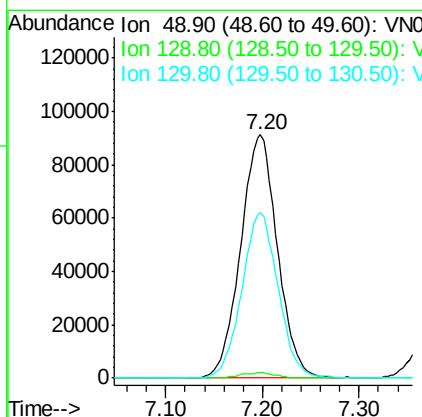
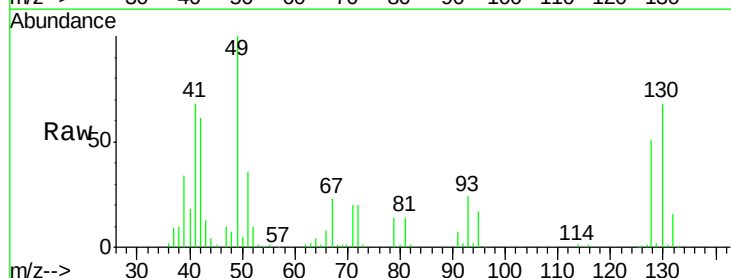
RT: 7.20 min Scan# 1687

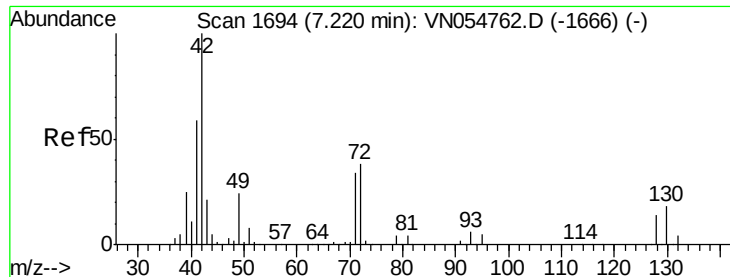
Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Tgt Ion:	49	Resp:	241060
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.6
130	66.8	76.7	115.1#





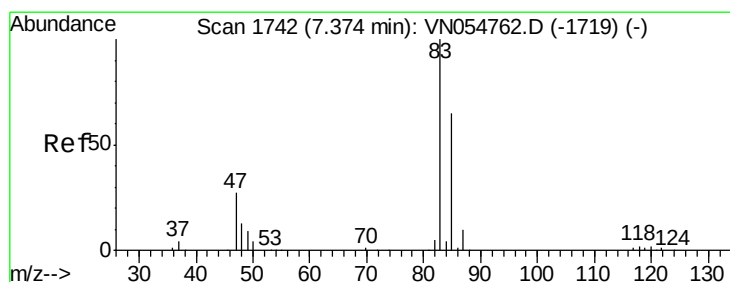
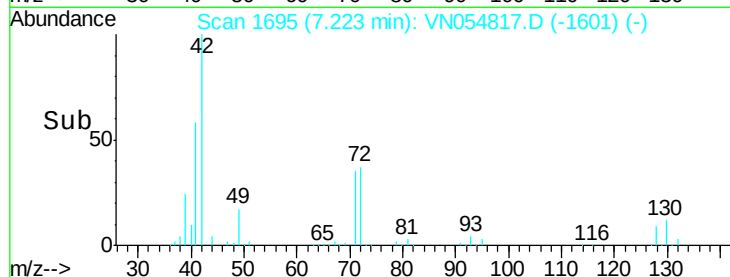
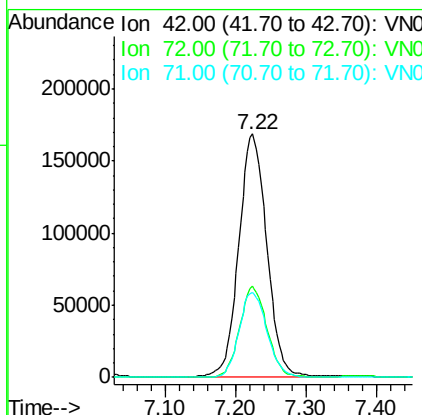
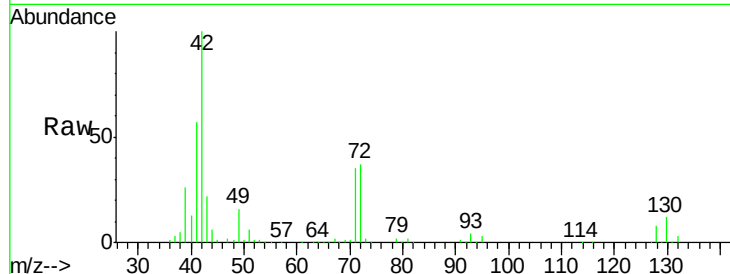
#29
Tetrahydrofuran
Concen: 339.864 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	37.8	56.6#
71	35.0	36.2	54.2#

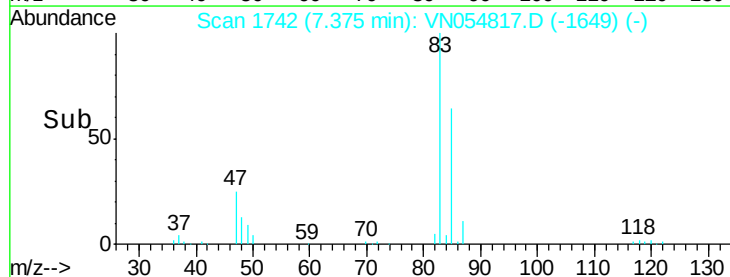
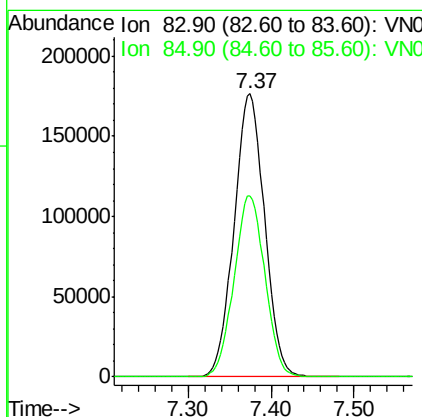
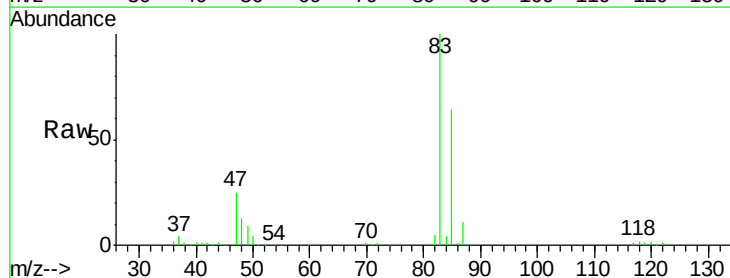
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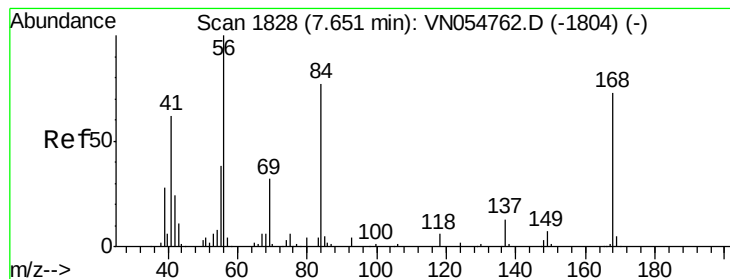
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#30
Chloroform
Concen: 55.920 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.2	78.4





#31

Cyclohexane

Concen: 54.849 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 422202

Ion Ratio Lower Upper

56 100

69 30.7 27.8 41.6

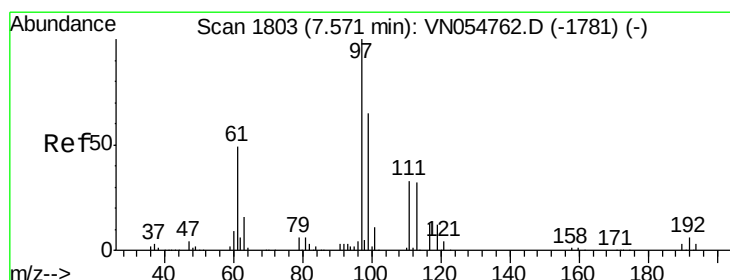
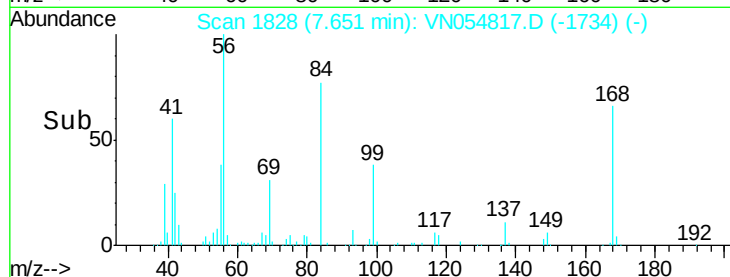
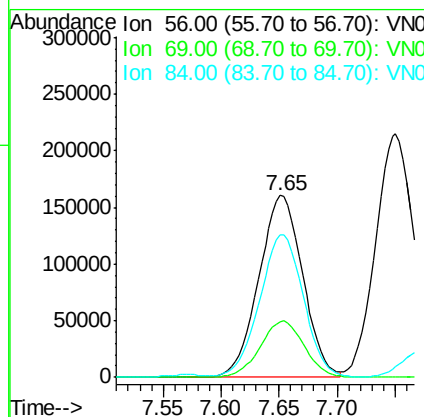
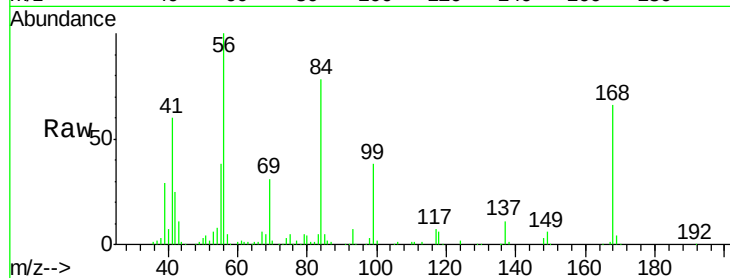
84 76.7 74.6 111.8

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 56.387 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

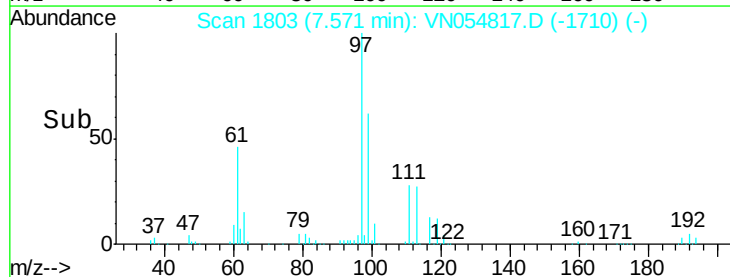
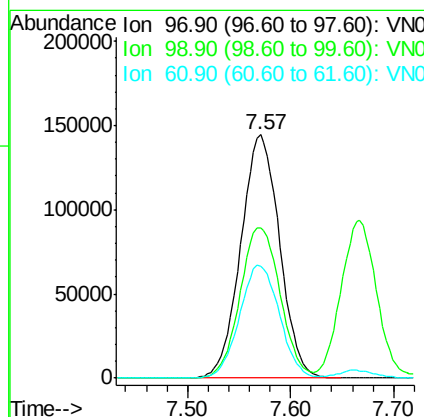
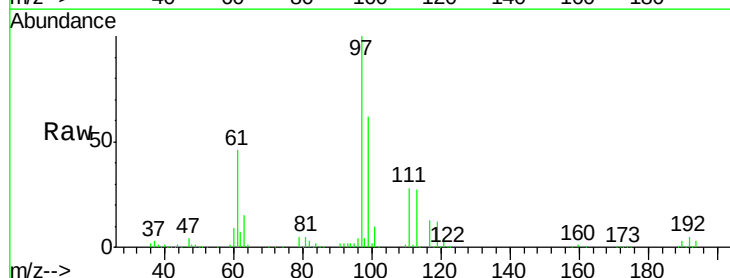
Tgt Ion: 97 Resp: 377795

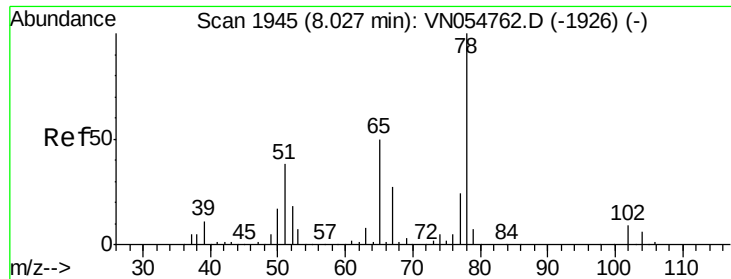
Ion Ratio Lower Upper

97 100

99 64.2 51.5 77.3

61 47.7 33.6 50.4





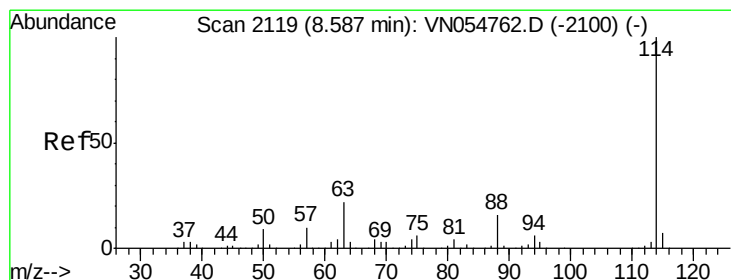
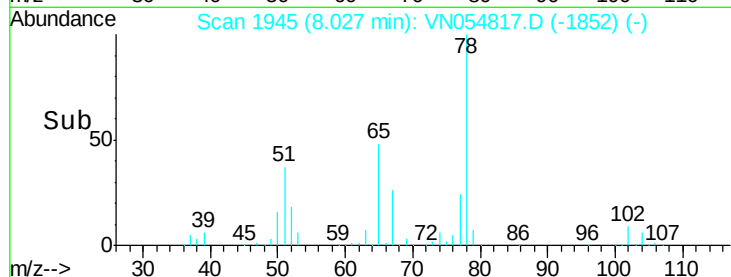
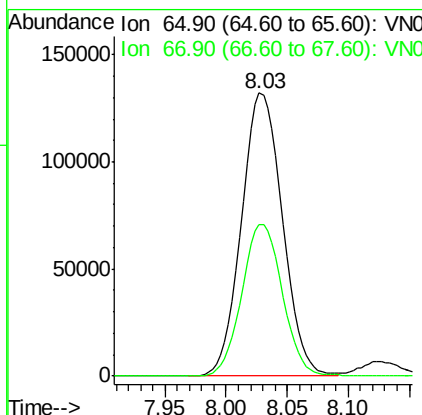
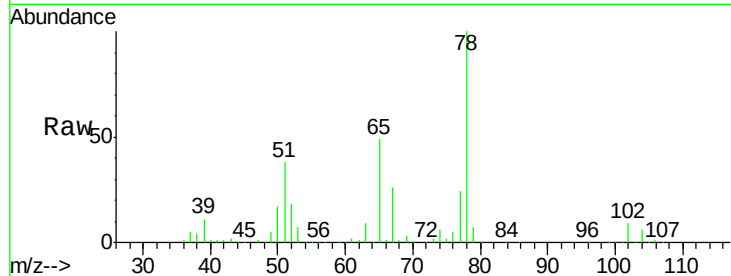
#33
 1,2-Dichloroethane-d4
 Concen: 54.936 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	307376		
67	53.1	0.0	104.6	

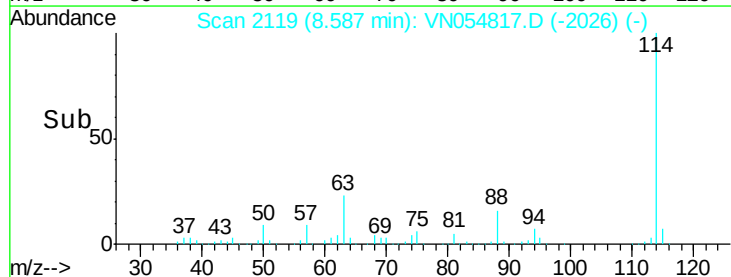
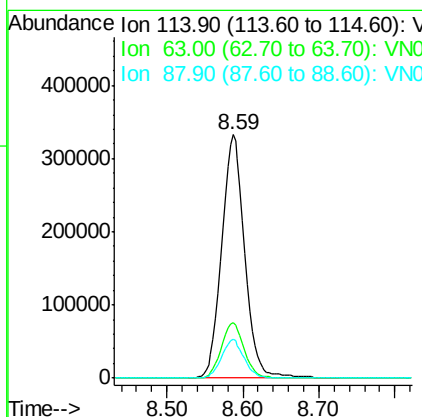
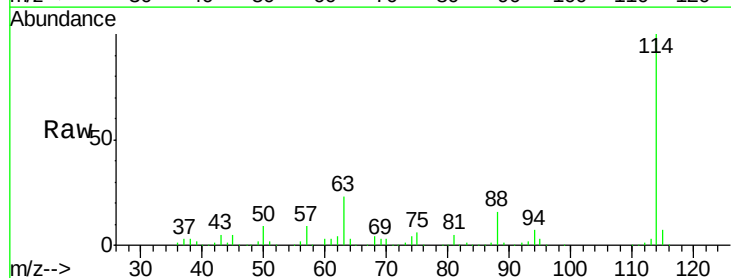
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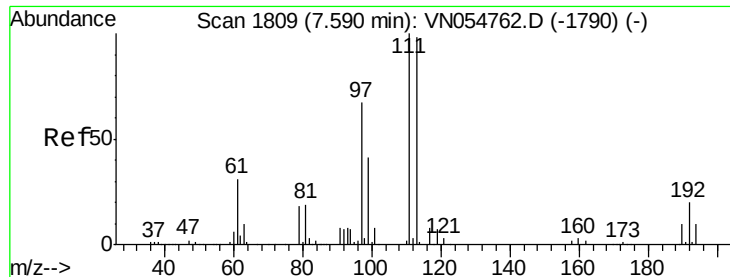
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	702921		
63	22.5	0.0	35.2	
88	15.9	0.0	30.2	





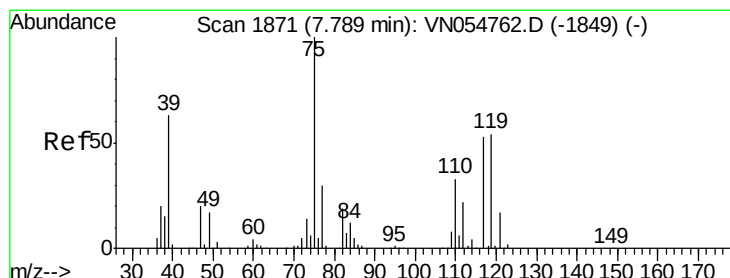
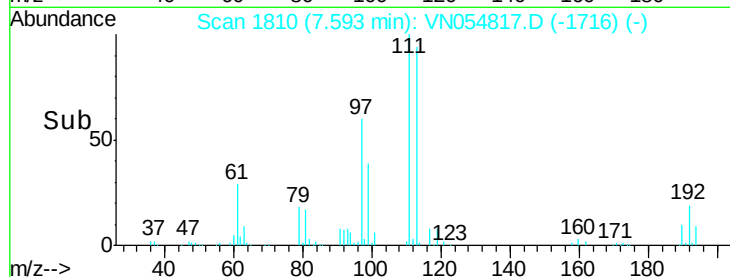
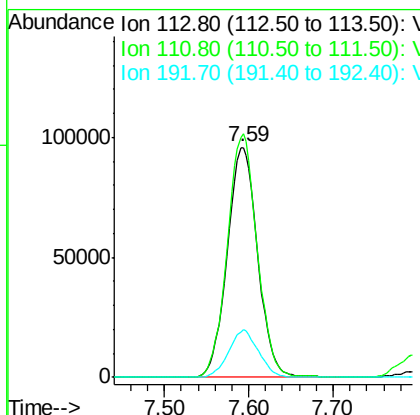
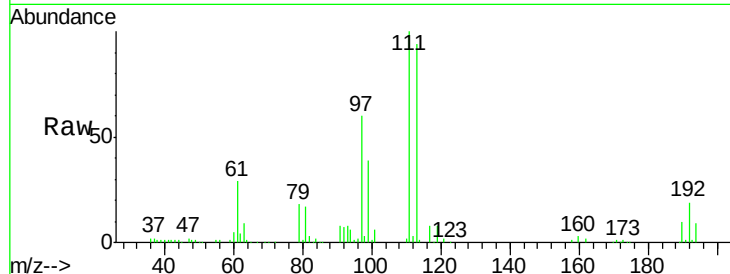
#35
 Dibromofluoromethane
 Concen: 51.182 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	239856		
111	103.6	82.2	123.4	
192	20.1	19.2	28.8	

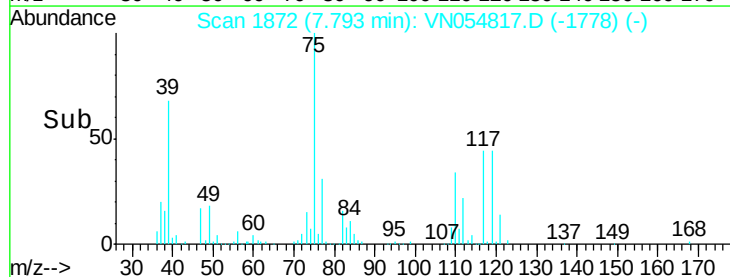
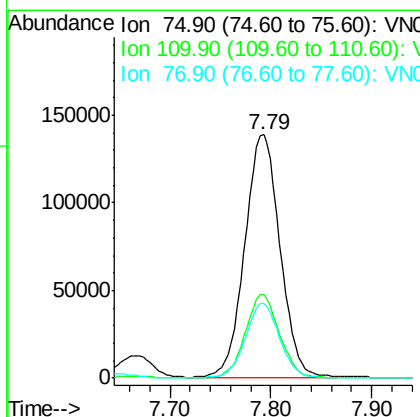
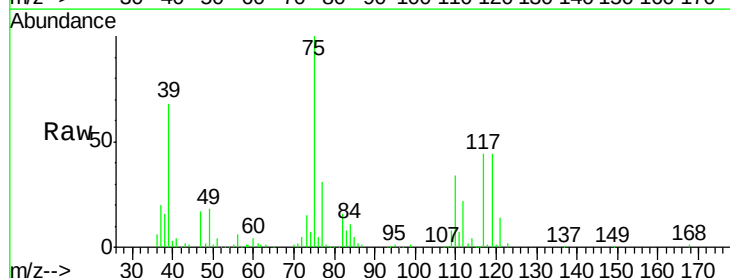
Manual Integrations
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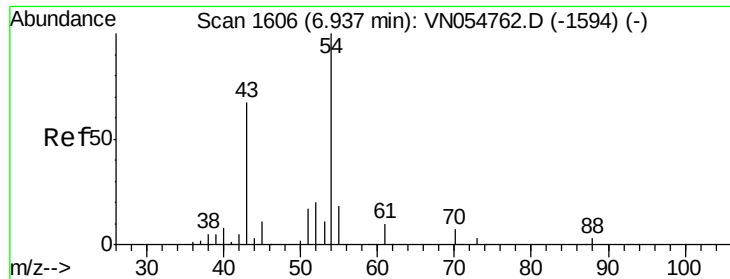
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#36
 1,1-Dichloropropene
 Concen: 50.935 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	333618		
110	33.5	19.1	57.5	
77	30.3	25.0	37.4	





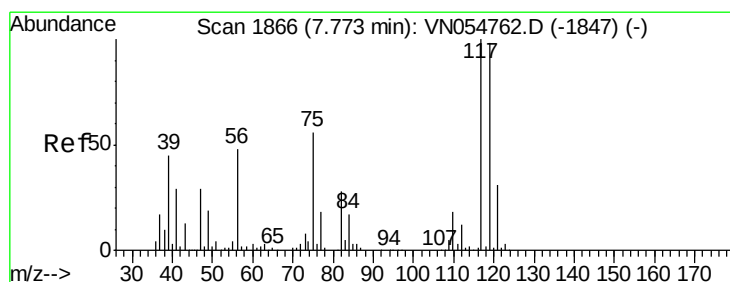
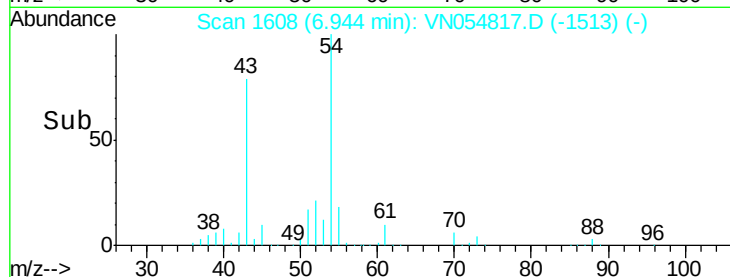
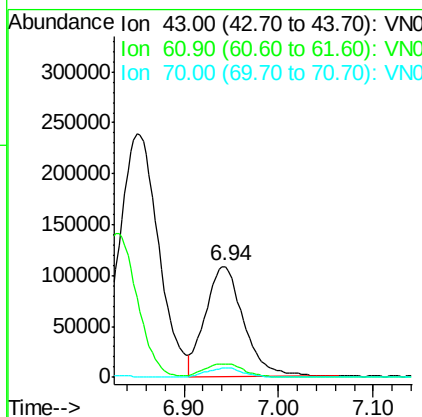
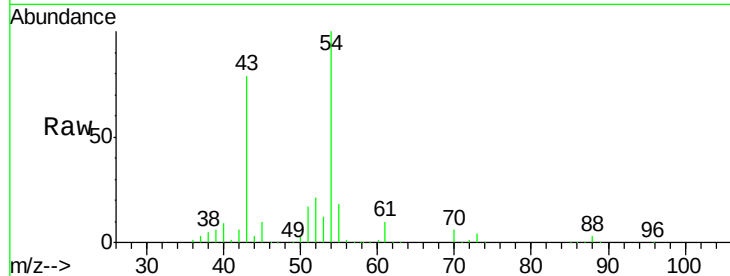
#37
Ethyl Acetate
Concen: 62.926 ug/l
RT: 6.94 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	11.8	17.6
70	8.2	8.4	12.6

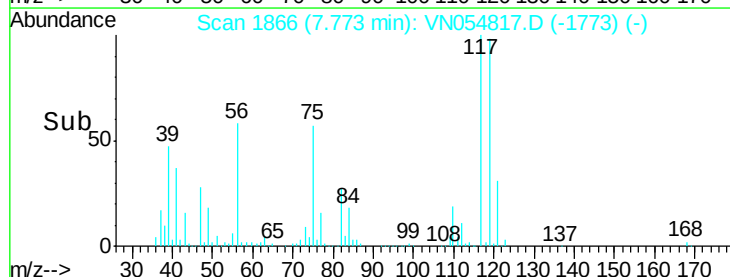
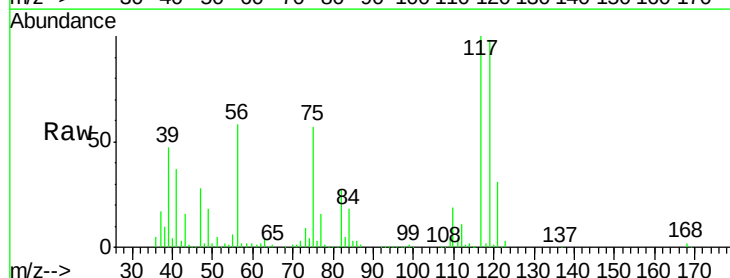
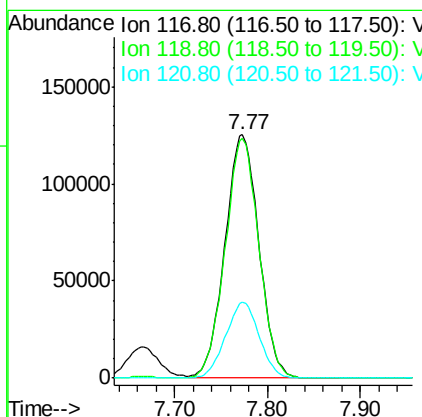
Manual Integrations
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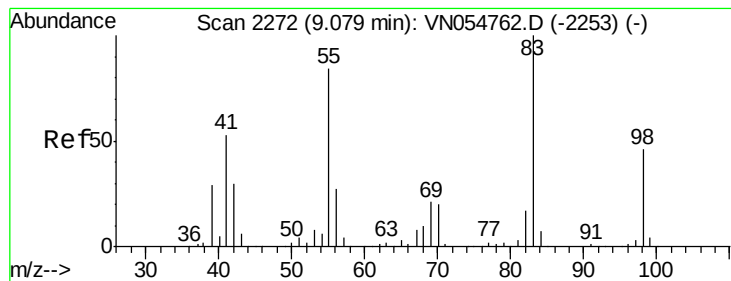
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4/1/2019 1:32:31 PM



#38
Carbon Tetrachloride
Concen: 50.030 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	76.3	114.5
121	31.3	24.6	36.8





#39

Methylvlcyclohexane

Concen: 48.121 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

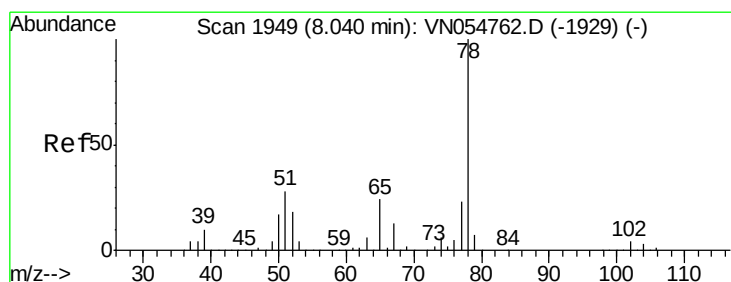
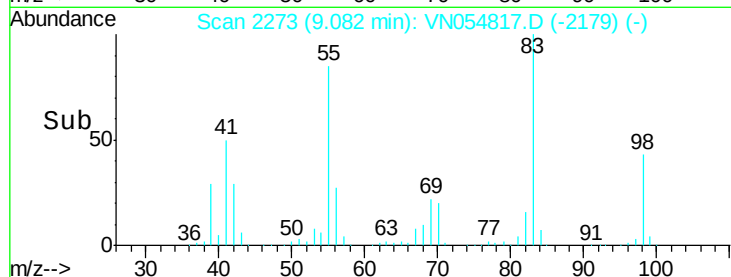
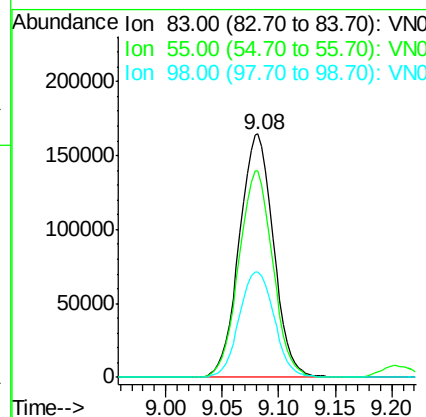
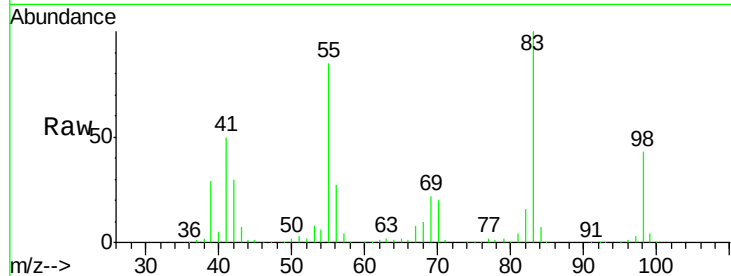
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	346515
Ion Ratio	Lower	Upper	
83	100		
55	84.7	56.6	84.8
98	43.3	38.4	57.6

Manual Integrations
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#40

Benzene

Concen: 54.258 ug/l

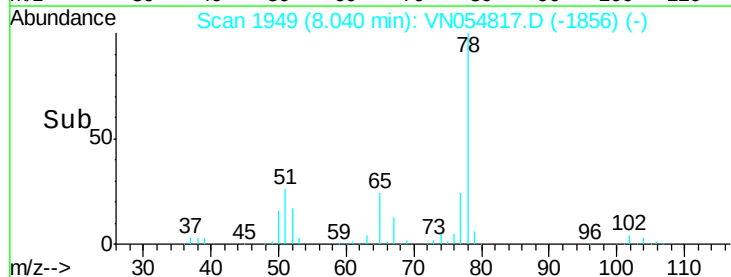
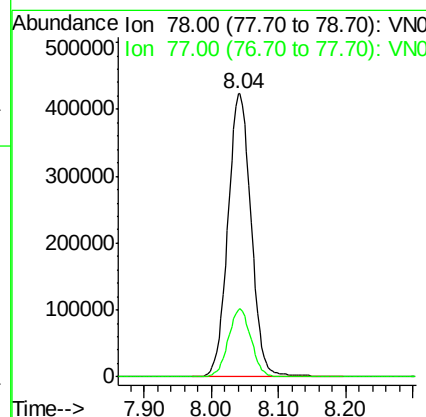
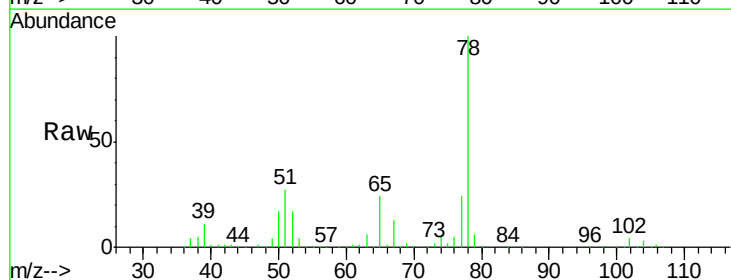
RT: 8.04 min Scan# 1949

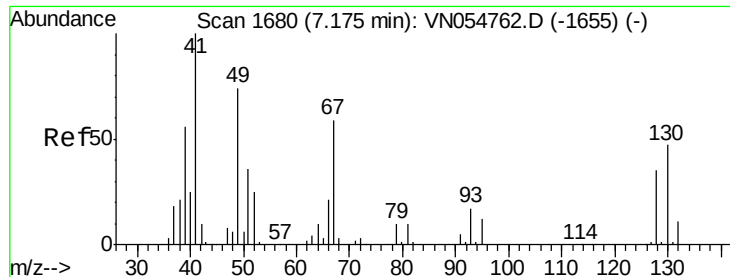
Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Tgt Ion:	78	Resp:	1016891
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.1	28.7





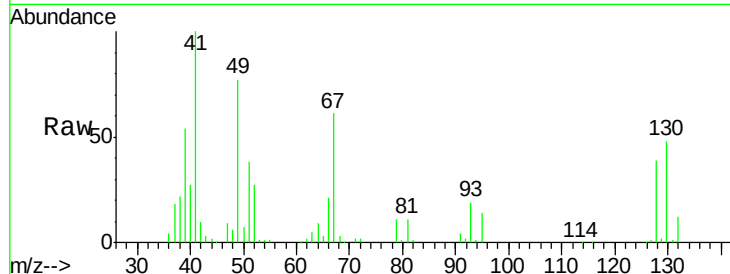
#41
Methacrylonitrile
Concen: 62.095 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

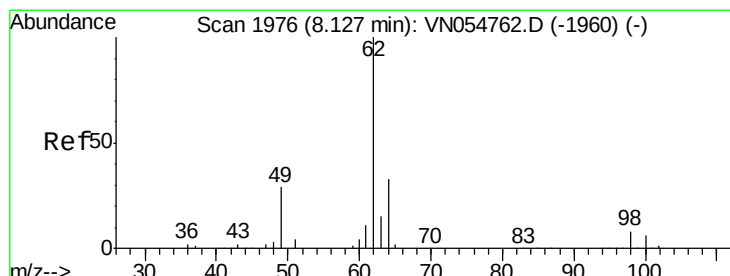
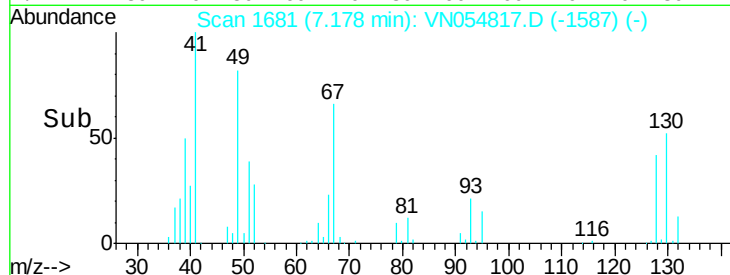
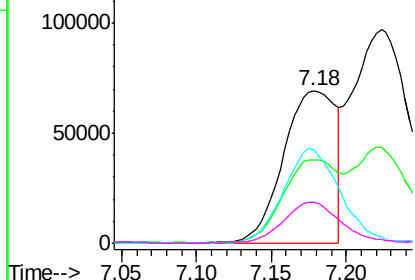
Tot Ion	41	Resp	167545
Ion Ratio	Lower	Upper	
41	100		
39	57.5	46.8	70.2
67	68.1	67.0	100.4
52	30.6	26.5	39.7

Manual Integrations
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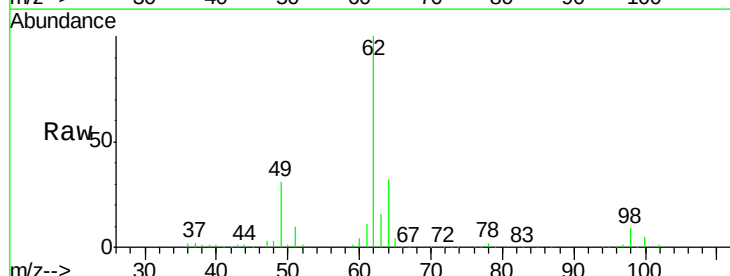


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

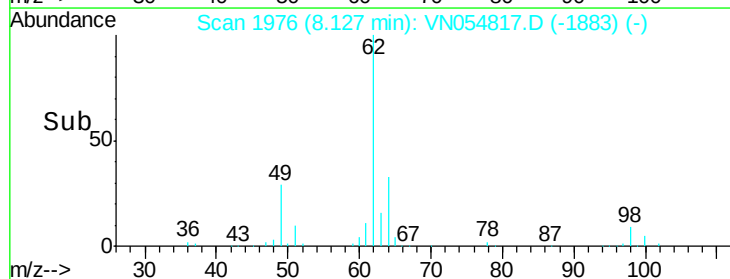
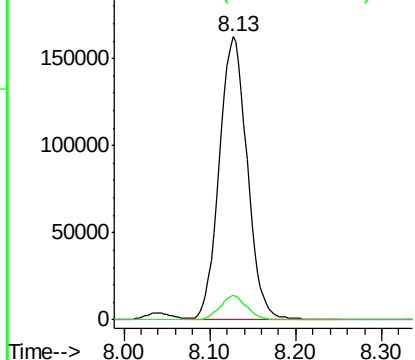


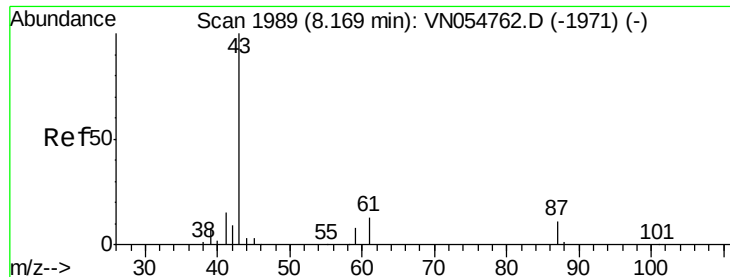
#42
1,2-Dichloroethane
Concen: 54.861 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion	62	Resp	367124
Ion Ratio	Lower	Upper	
62	100		
98	8.3	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 65.428 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

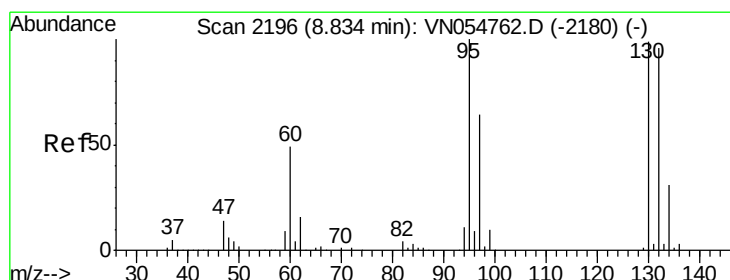
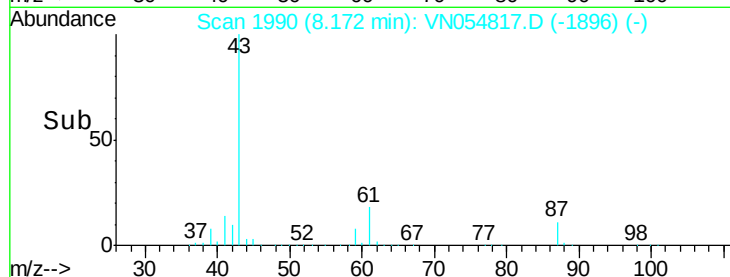
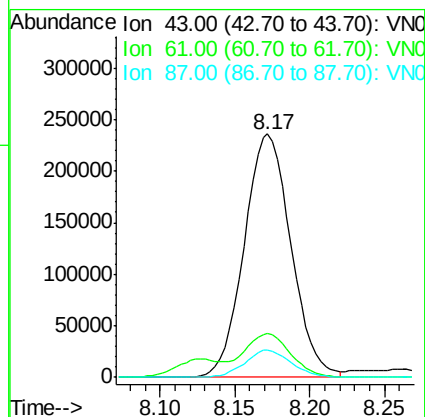
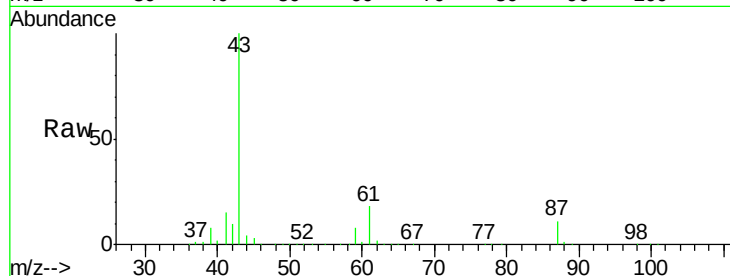
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	510635
Ion	Ratio	Lower	Upper
43	100		
61	17.7	15.8	23.8
87	11.2	12.0	18.0#

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#44

Trichloroethene

Concen: 52.442 ug/l

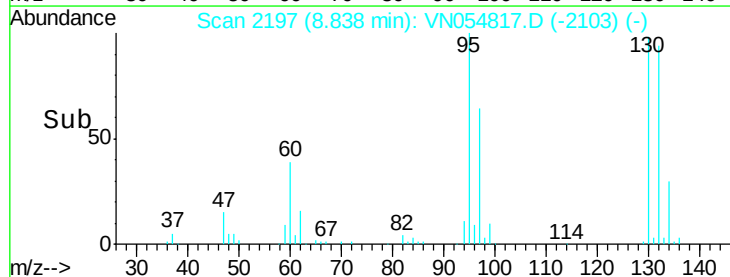
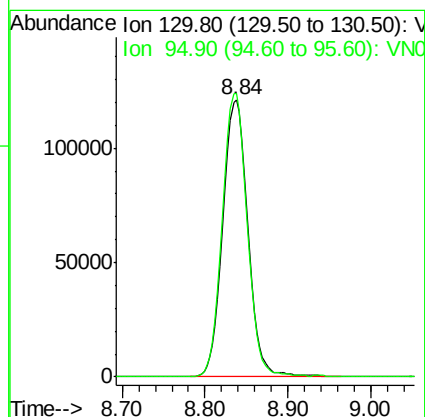
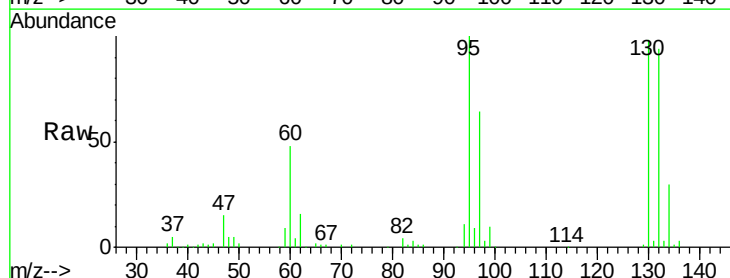
RT: 8.84 min Scan# 2197

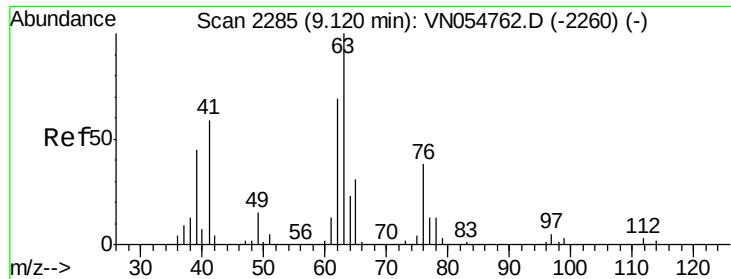
Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Tgt Ion:	130	Resp:	255134
Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	185.2





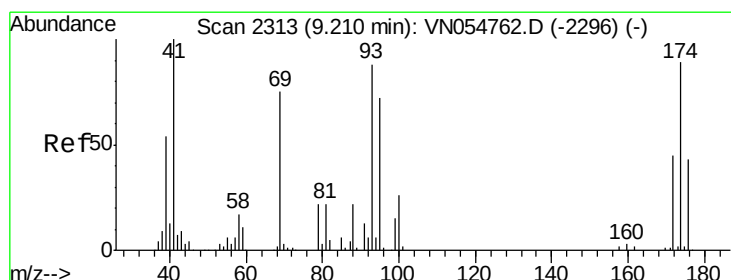
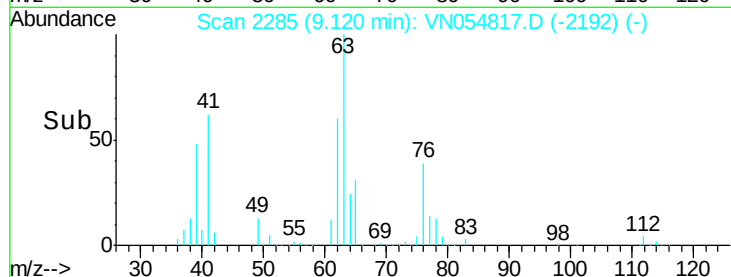
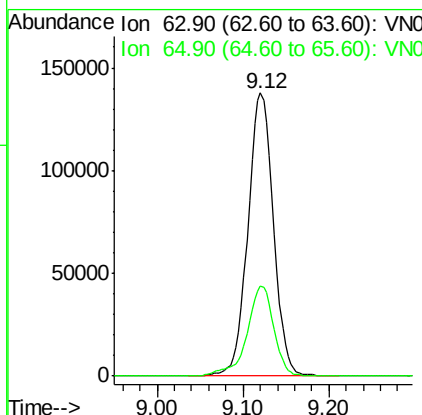
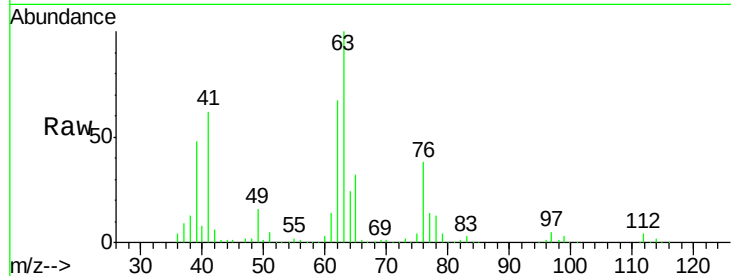
#45
 1,2-Dichloropropane
 Concen: 53.291 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 284788
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.6

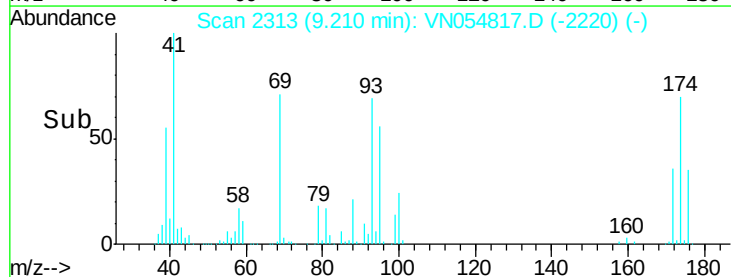
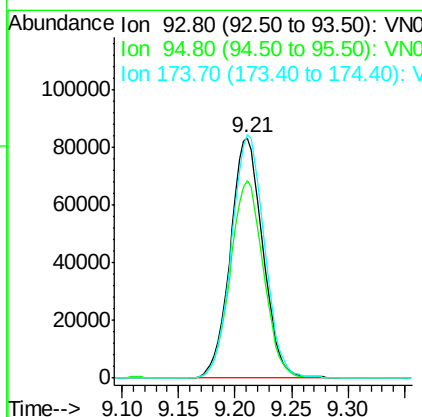
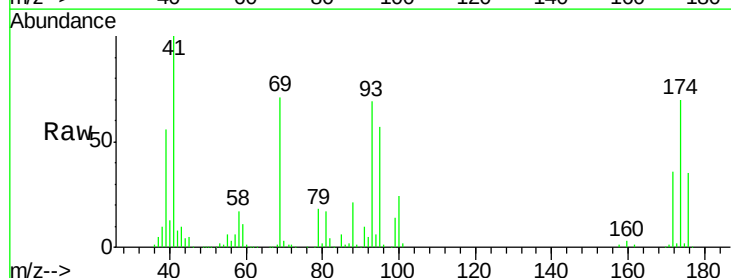
Manual Integrations
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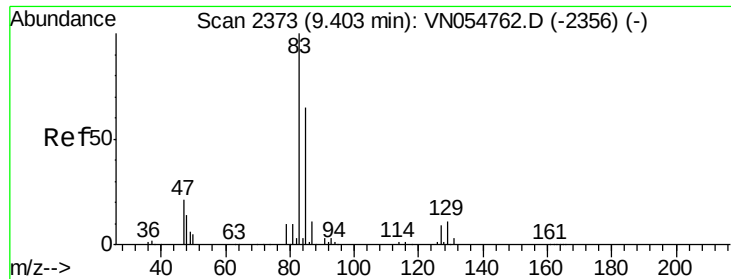
MMDadoda
 4/1/2019 1:32:31 PM



#46
 Dibromomethane
 Concen: 55.349 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Tgt Ion: 93 Resp: 166391
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.7 100.1
 174 102.5 98.5 147.7





#47

Bromodichloromethane

Concen: 55.808 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

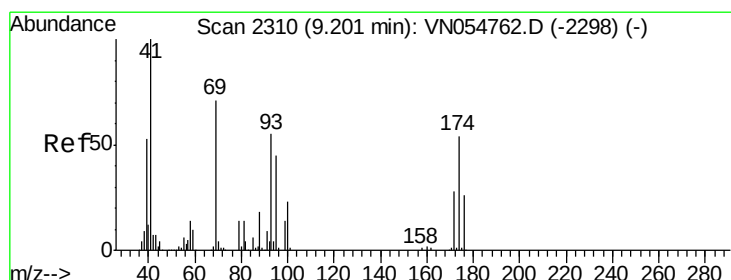
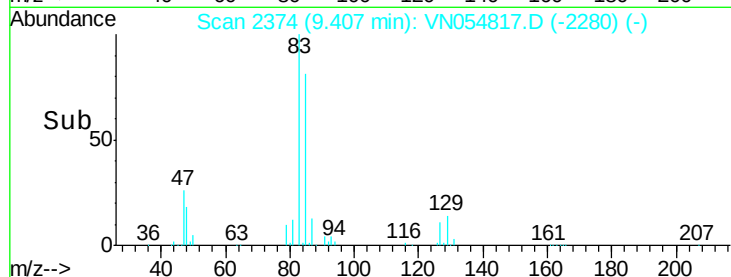
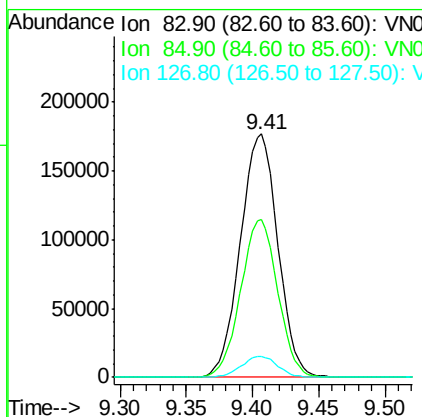
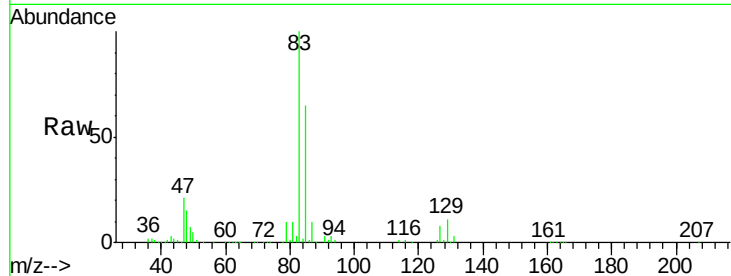
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	348675
Ion Ratio	Lower	Upper	
83	100		
85	64.9	52.8	79.2
127	8.4	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 62.147 ug/l

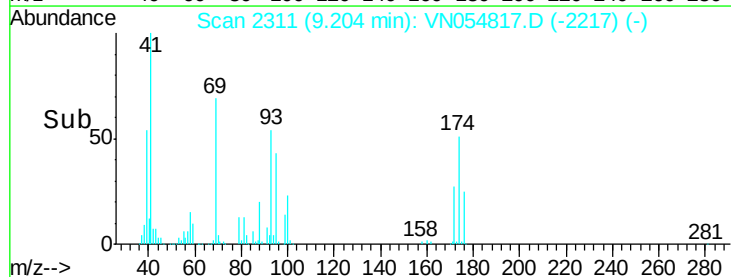
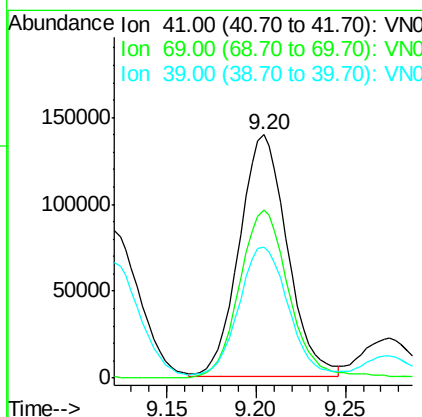
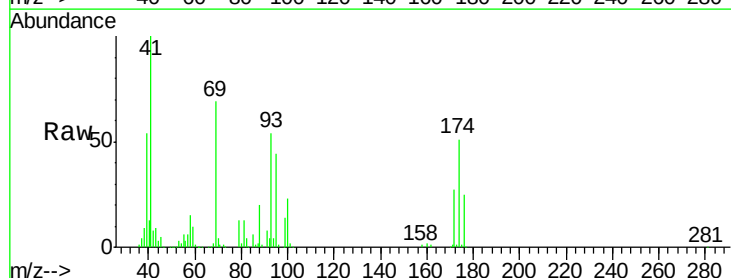
RT: 9.20 min Scan# 2311

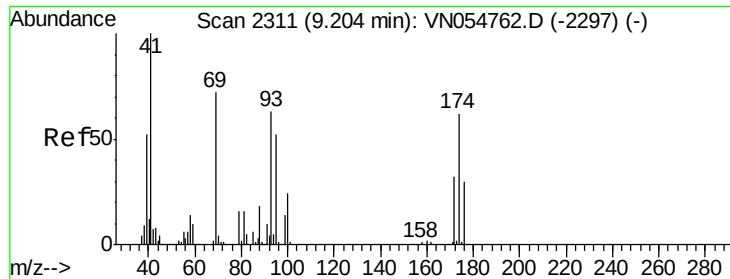
Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Tgt Ion:	41	Resp:	262921
Ion Ratio	Lower	Upper	
41	100		
69	72.6	72.6	108.8
39	56.0	47.5	71.3





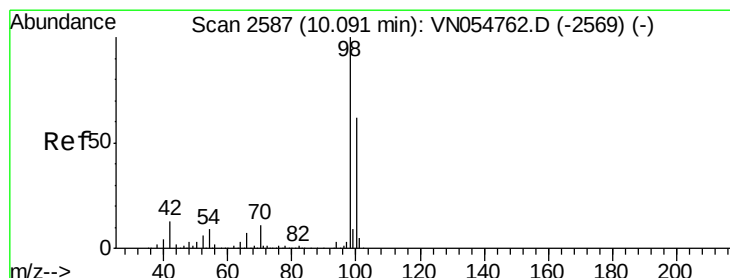
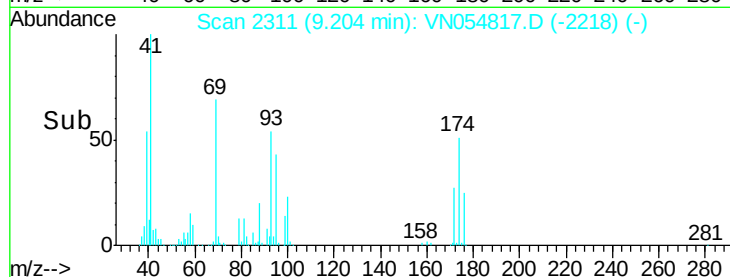
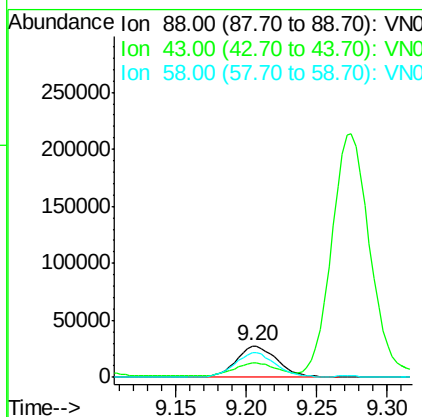
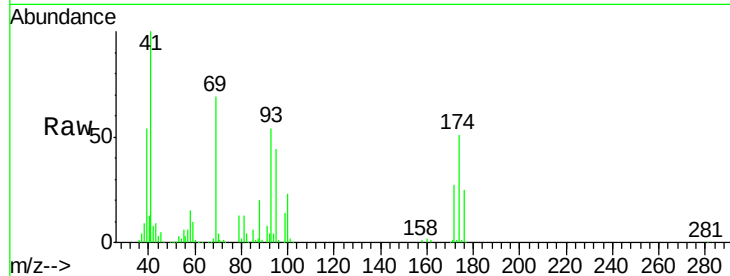
#49
1,4-Dioxane
Concen: 1365.455 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	57318
Ion Ratio	Lower	Upper	
88	100		
43	41.8	24.1	36.1#
58	77.0	50.8	76.2#

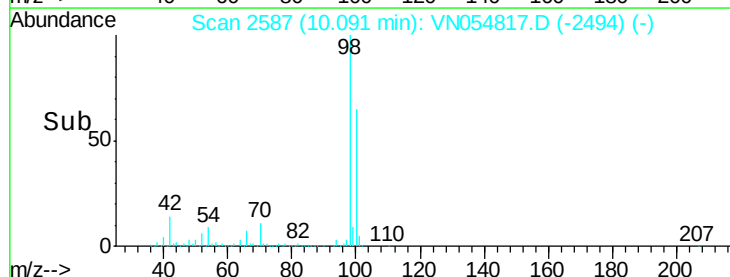
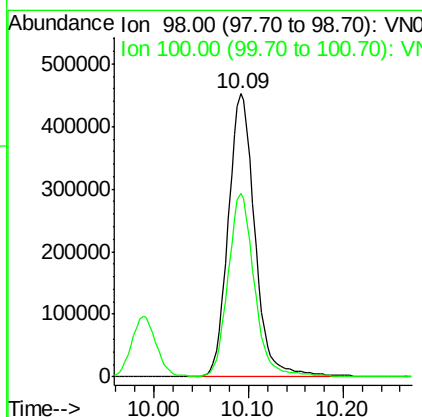
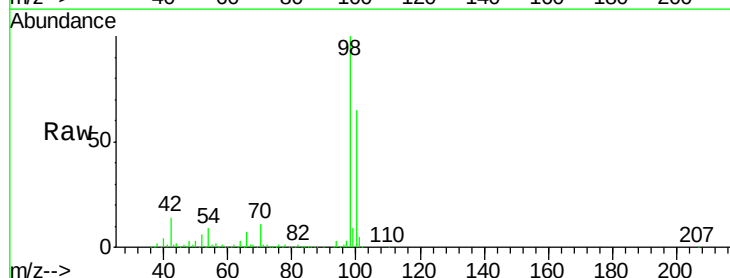
Manual Integrations
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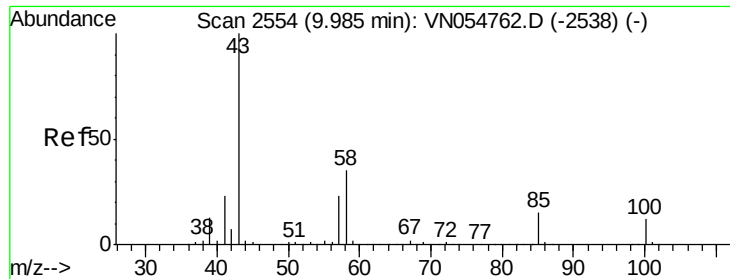
MMDadoda
4/1/2019 1:32:31 PM



#50
Toluene-d8
Concen: 50.732 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion	98	Resp	883895
Ion Ratio	Lower	Upper	
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 340.878 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1495731

Ion Ratio Lower Upper

43 100

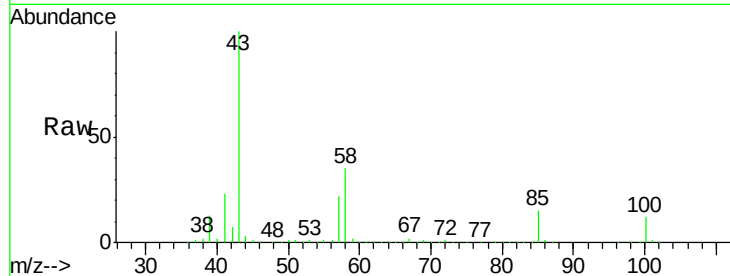
58 35.2 31.8 47.6

Manual Integrations

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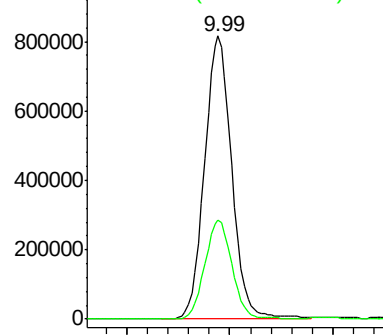
MMDadoda

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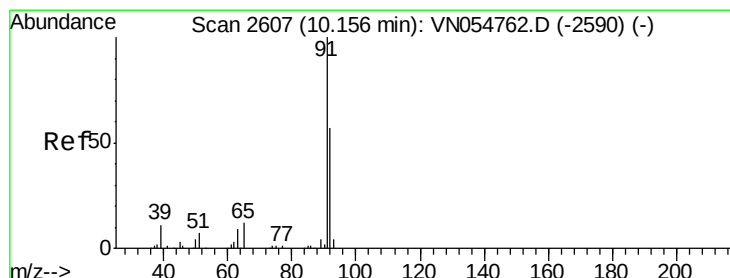
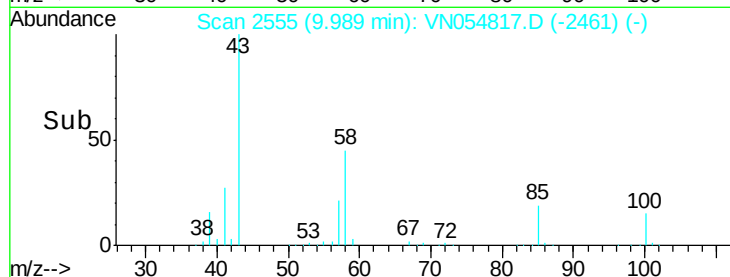


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 53.885 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054817.D

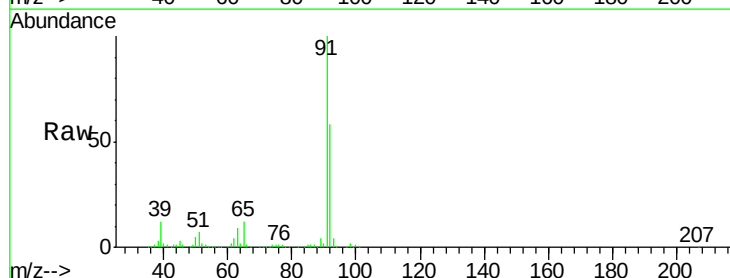
Acq: 30 Mar 2019 21:45

Tgt Ion: 92 Resp: 600930

Ion Ratio Lower Upper

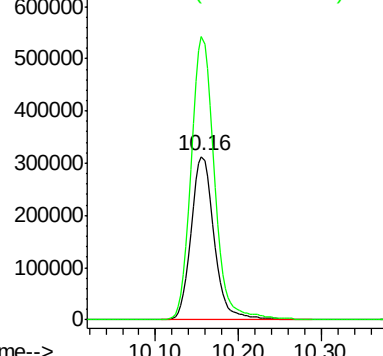
92 100

91 175.6 140.7 211.1

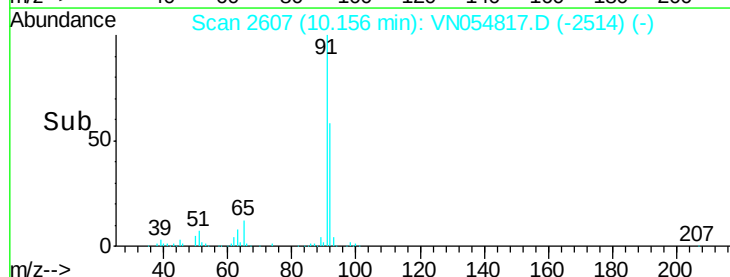


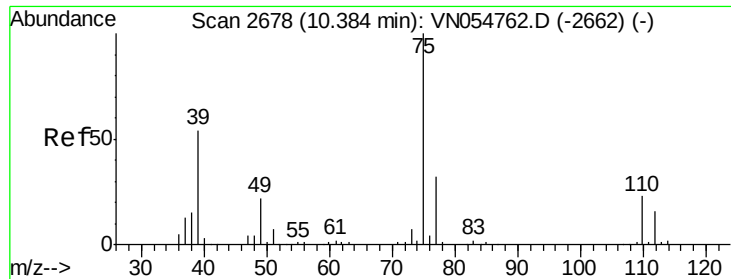
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





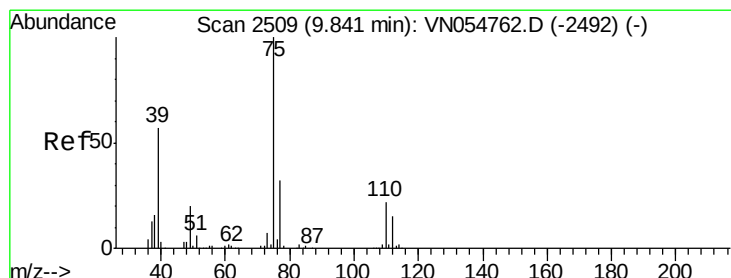
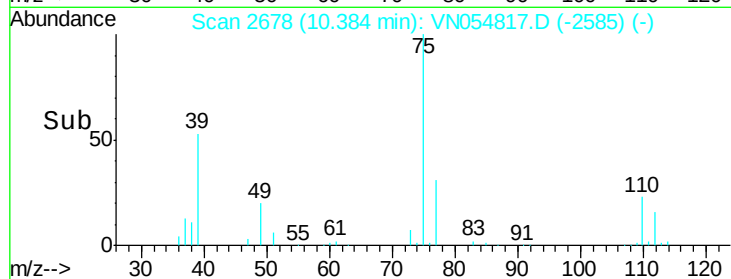
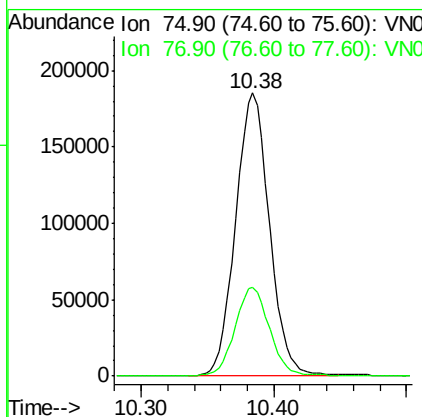
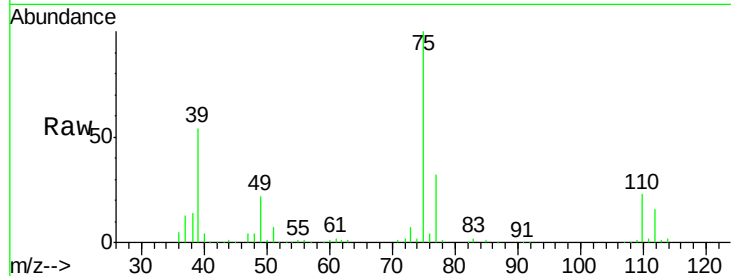
#53
t-1,3-Dichloropropene
Concen: 55.878 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.8

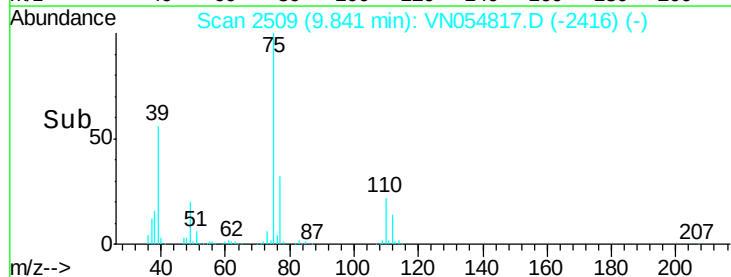
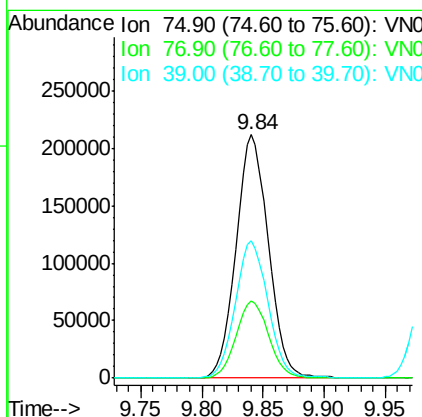
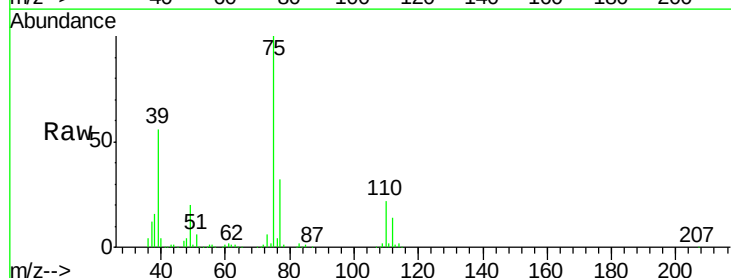
Manual Integrations
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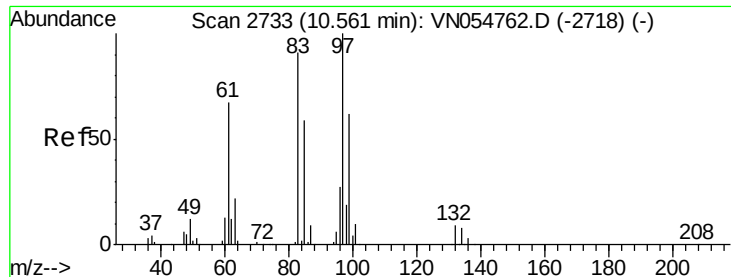
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#54
cis-1,3-Dichloropropene
Concen: 55.303 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	56.1	37.2	55.8#





#55

1,1,2-Trichloroethane

Concen: 56.099 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

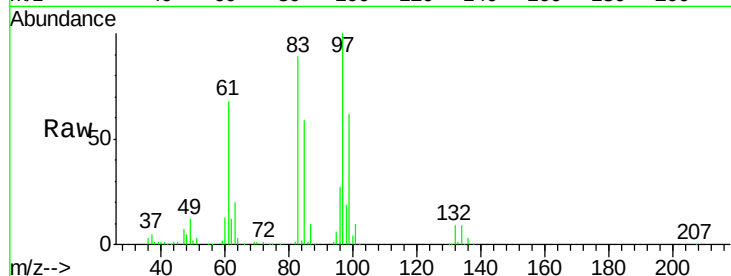
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	232630
Ion	Ratio	Lower	Upper
97	100		
83	88.9	66.6	100.0
85	58.6	44.4	66.6
99	61.7	50.8	76.2

Manual Integrations
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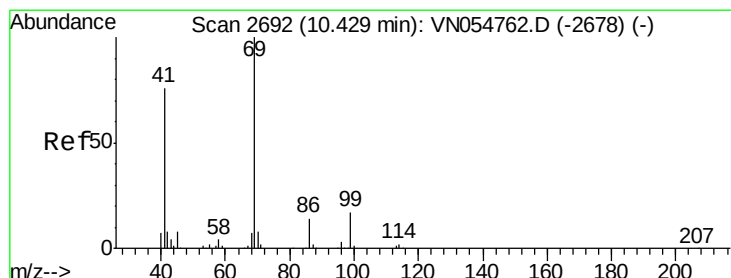
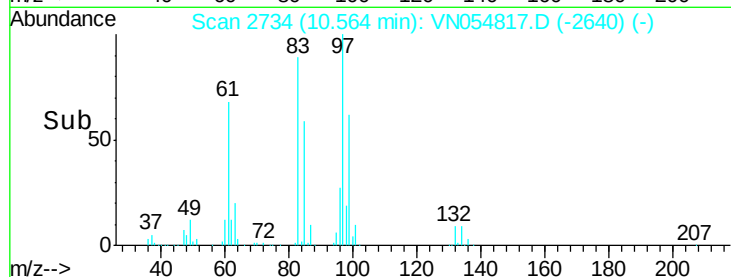
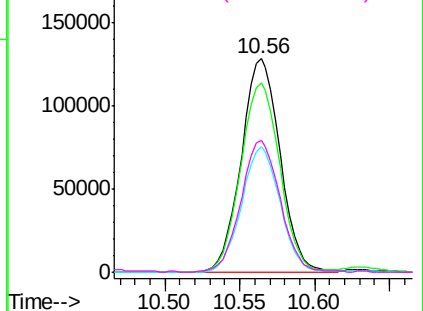


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 61.476 ug/l

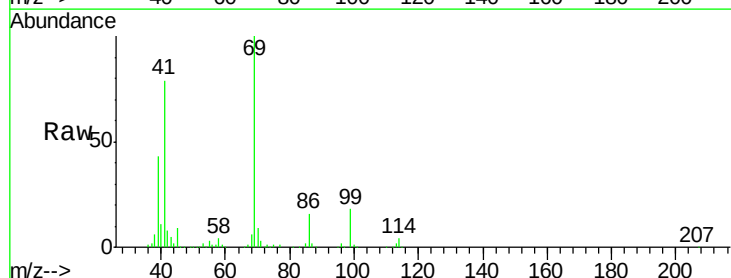
RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

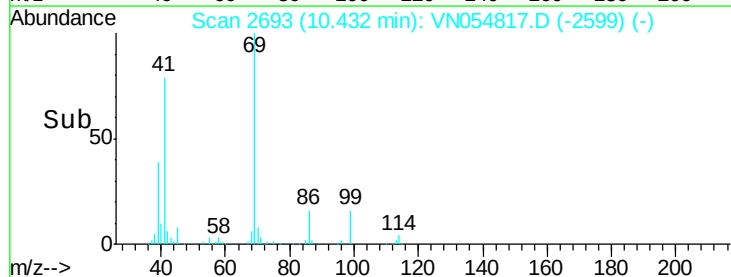
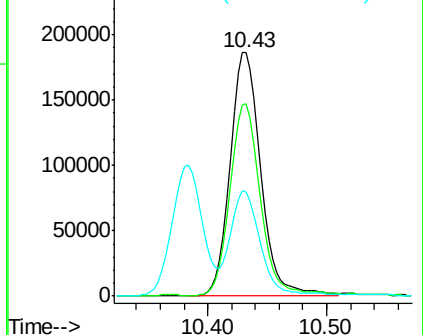
Tgt Ion:	69	Resp:	334406
Ion	Ratio	Lower	Upper
69	100		
41	77.8	49.4	74.2#
39	40.9	28.3	42.5

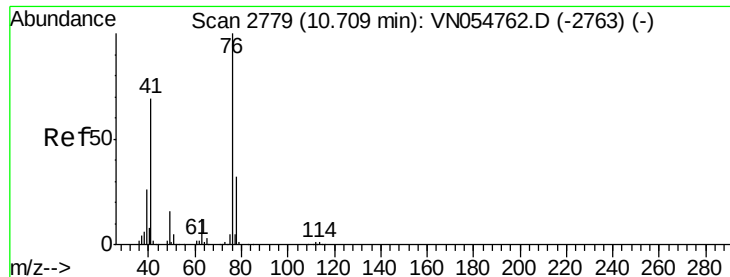


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





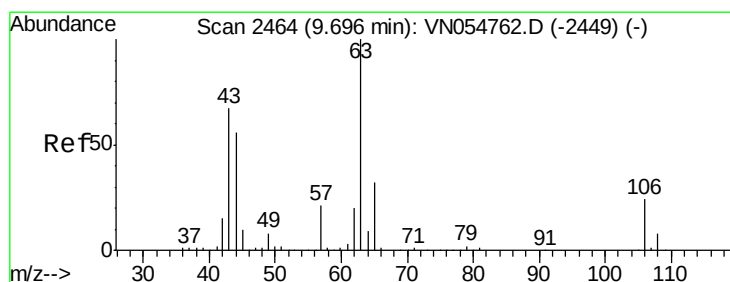
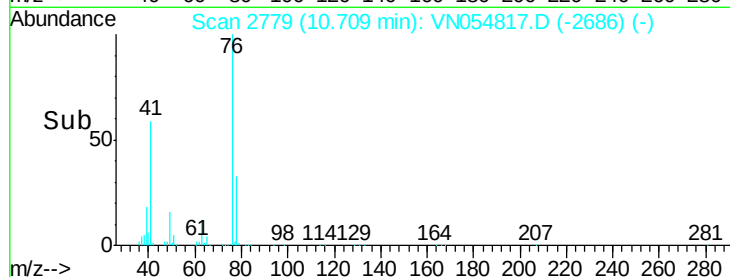
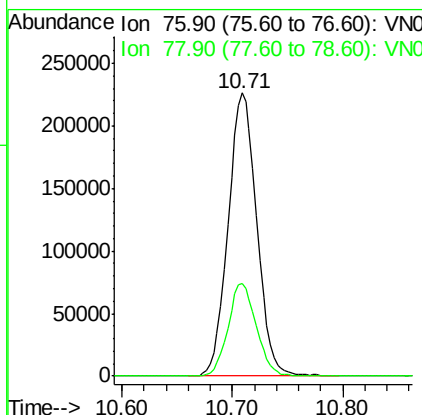
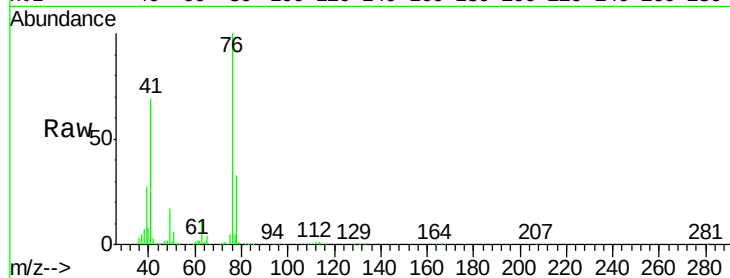
#57
 1,3-Dichloropropane
 Concen: 57.124 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 407242
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5

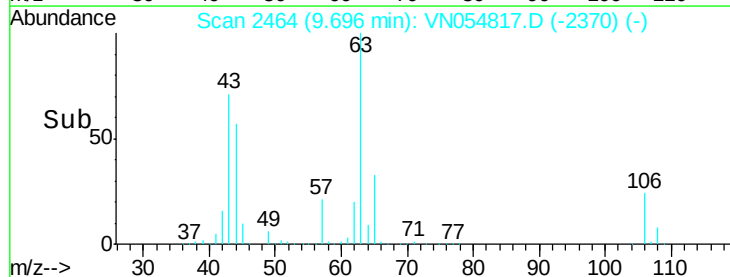
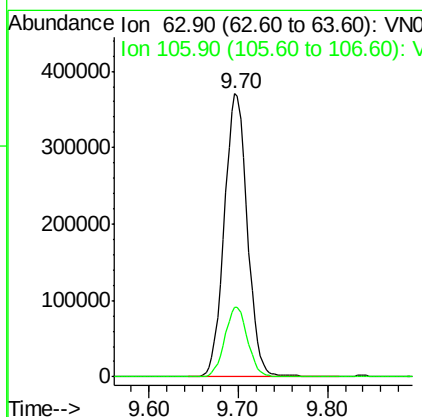
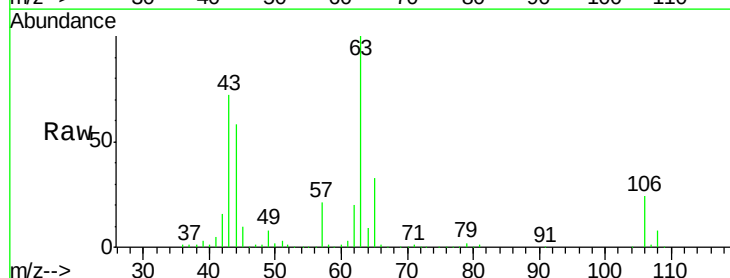
Manual Integrations
 APPROVED

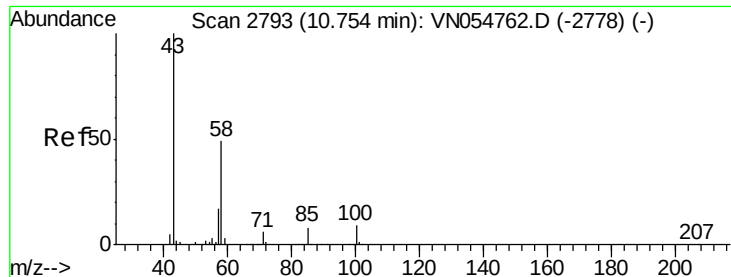
MMDadoda
 4/1/2019 1:32:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 281.855 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Tgt Ion: 63 Resp: 663664
 Ion Ratio Lower Upper
 63 100
 106 24.2 24.4 36.6#





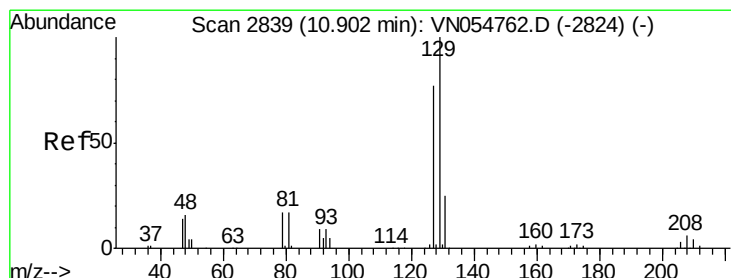
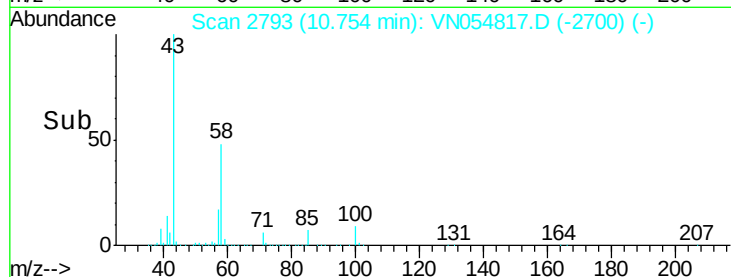
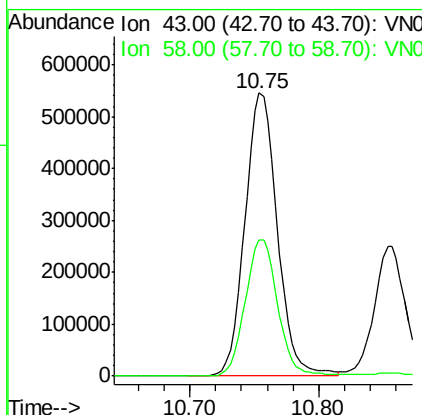
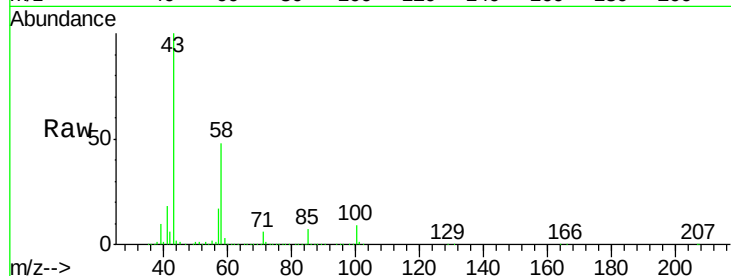
#59
2-Hexanone
Concen: 338.763 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 951568
Ion Ratio Lower Upper
43 100
58 48.8 28.0 83.9

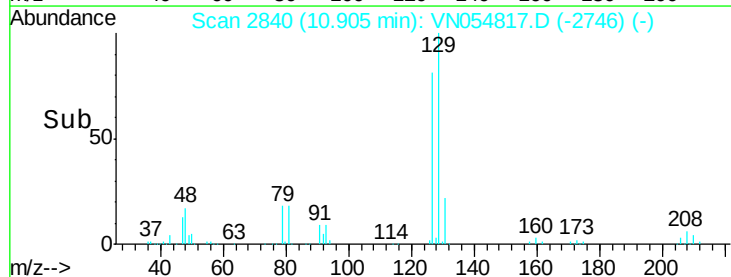
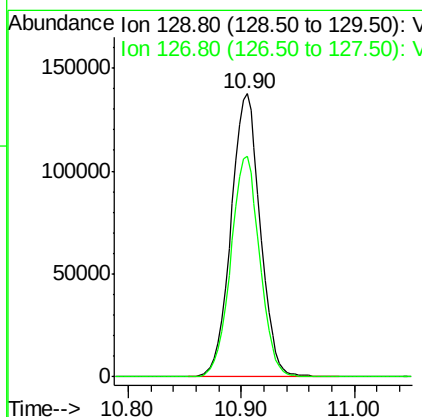
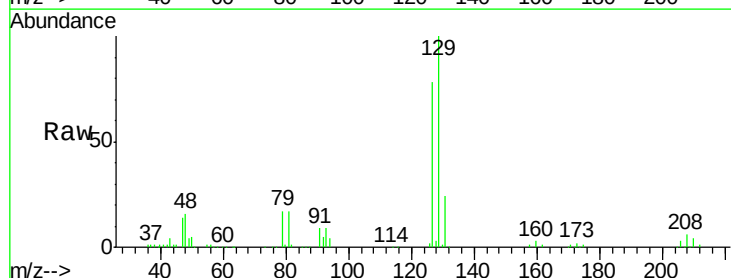
Manual Integrations
APPROVED

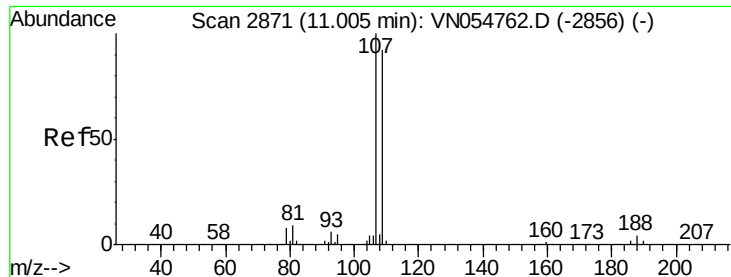
MMDadoda
4/1/2019 1:32:31 PM



#60
Dibromochloromethane
Concen: 58.698 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion: 129 Resp: 246565
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 57.527 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 227971

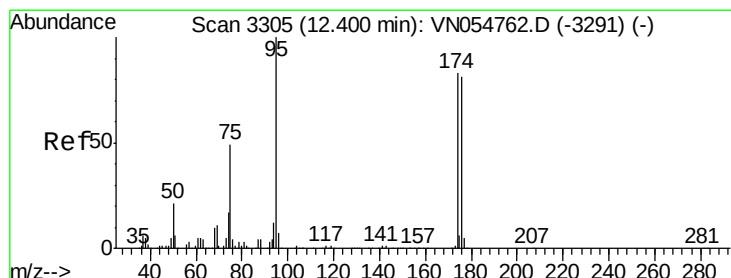
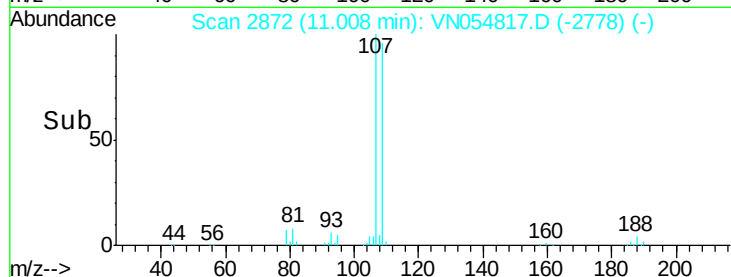
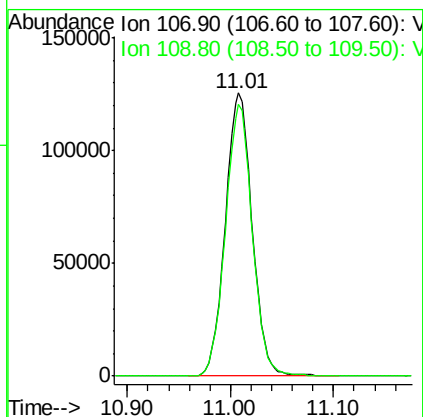
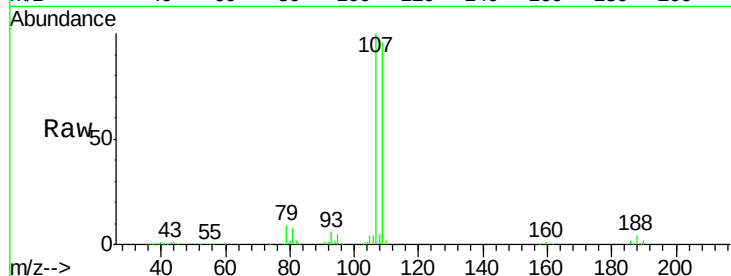
Ion Ratio Lower Upper

107 100

109 96.2 75.9 113.9

Manual Integrations
APPROVED

MMDadoda
4/1/2019 1:32:31 PM



#62

4-Bromofluorobenzene

Concen: 51.486 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

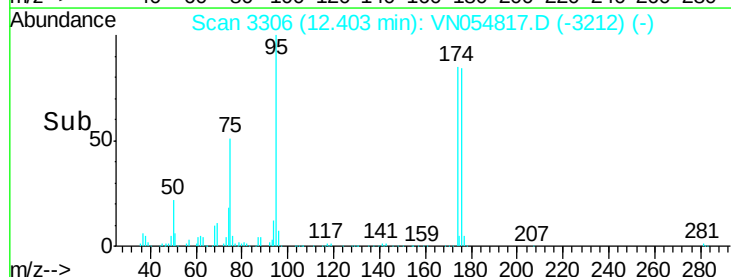
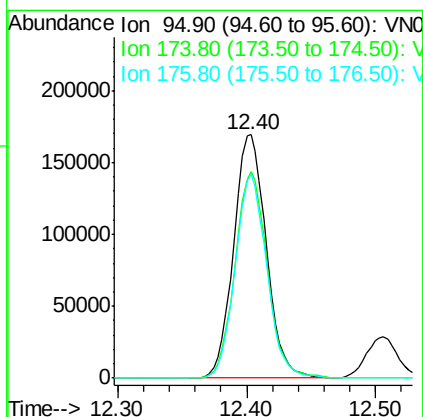
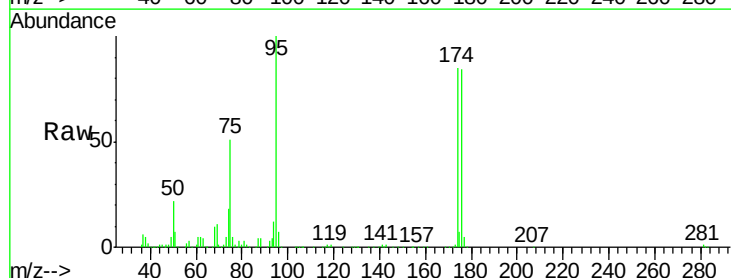
Tgt Ion: 95 Resp: 298330

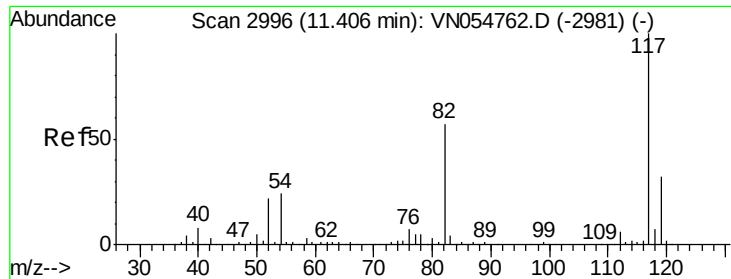
Ion Ratio Lower Upper

95 100

174 84.1 0.0 191.0

176 80.9 0.0 187.4





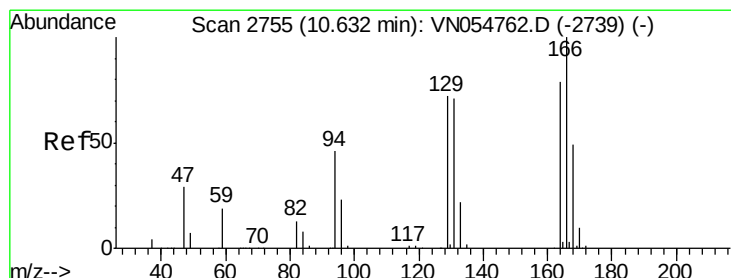
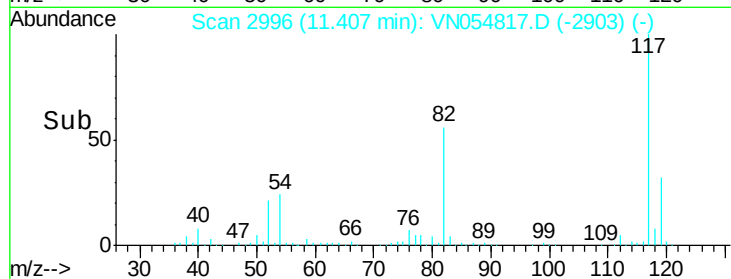
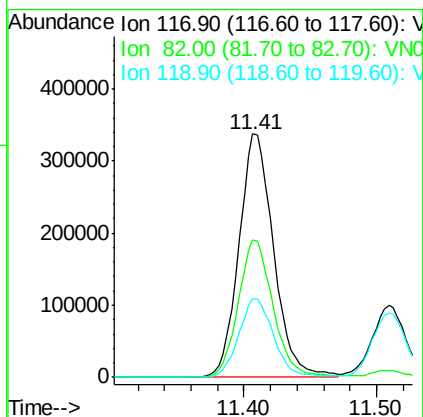
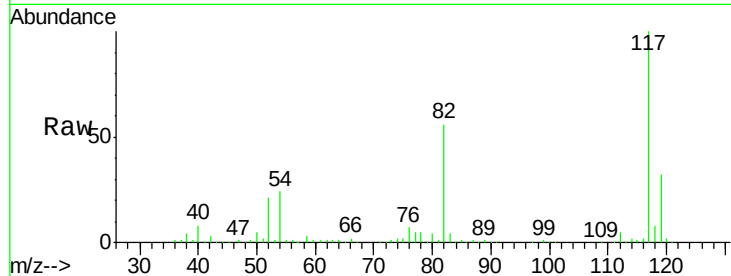
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	40.0	60.0
119	32.2	25.8	38.6

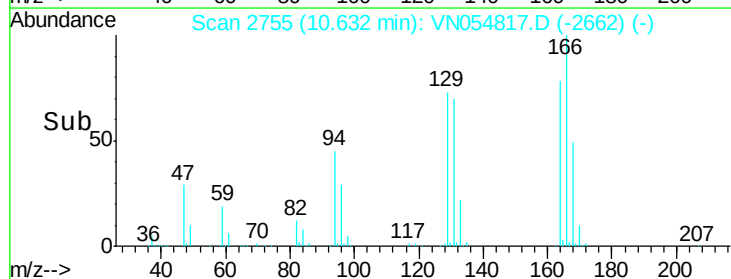
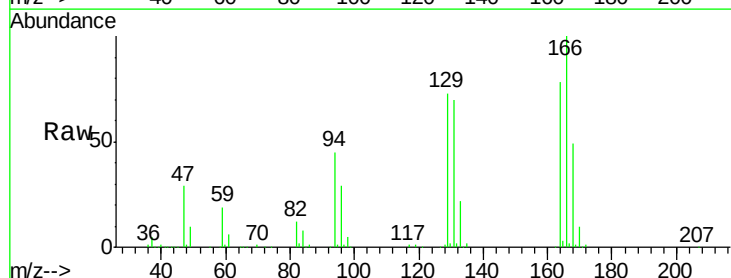
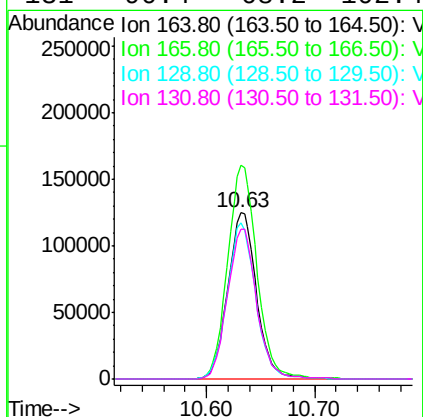
Manual Integrations
APPROVED

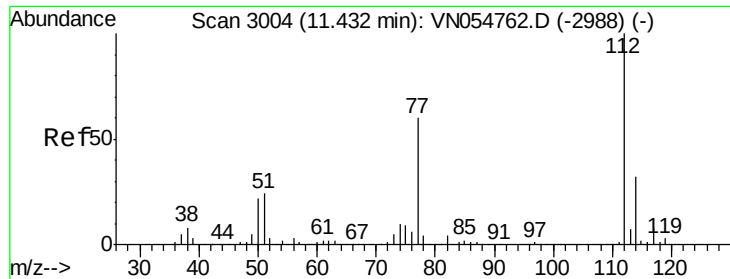
MMDadoda
4/1/2019 1:32:31 PM



#64
Tetrachloroethene
Concen: 49.332 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	103.9	155.9
129	94.4	71.1	106.7
131	90.4	68.2	102.4





#65

Chlorobenzene

Concen: 51.558 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 620496

Ion Ratio Lower Upper

112 100

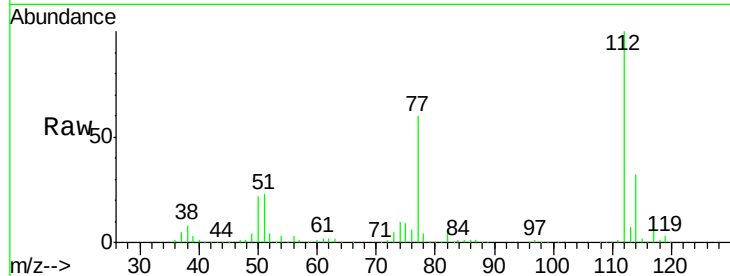
114 31.5 25.9 38.9

Manual Integrations

APPROVED

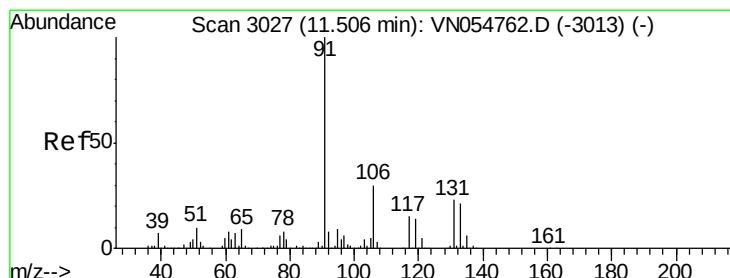
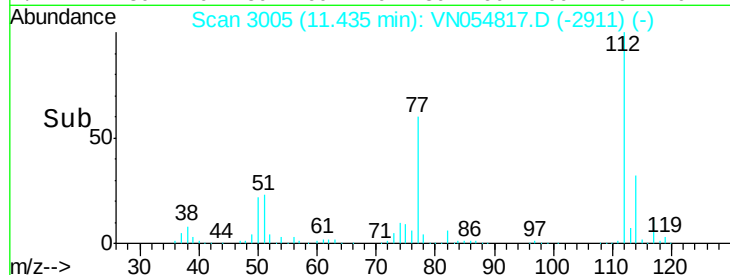
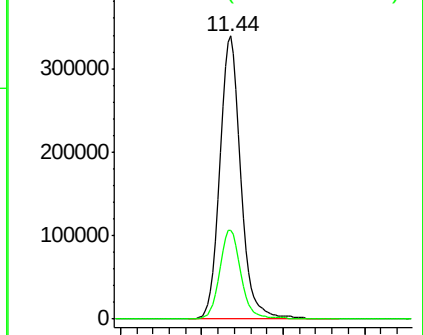
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.979 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

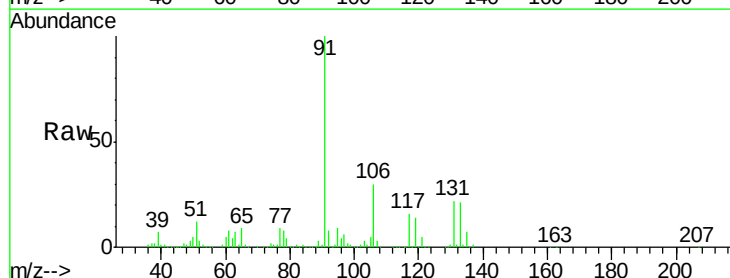
Tgt Ion:131 Resp: 243156

Ion Ratio Lower Upper

131 100

133 94.4 47.6 142.9

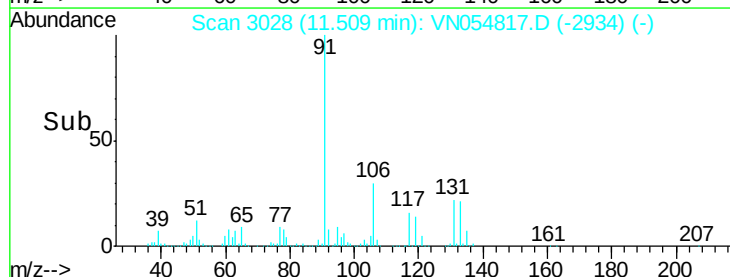
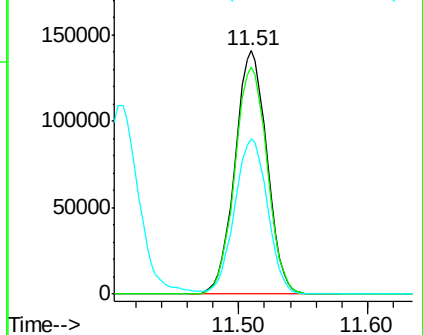
119 65.6 32.4 97.0

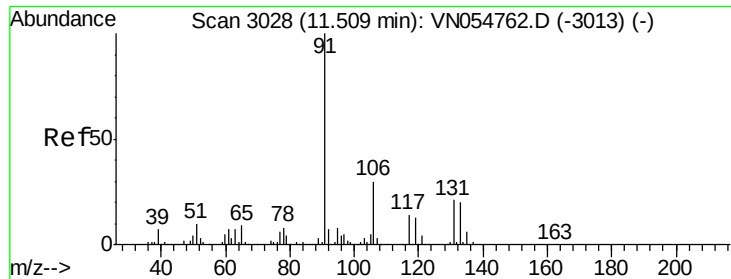


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





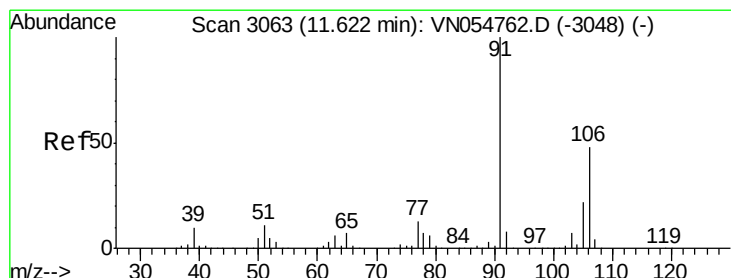
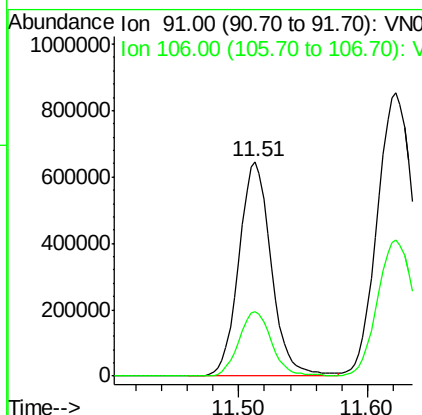
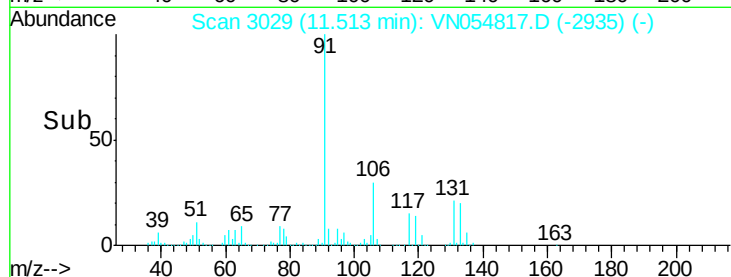
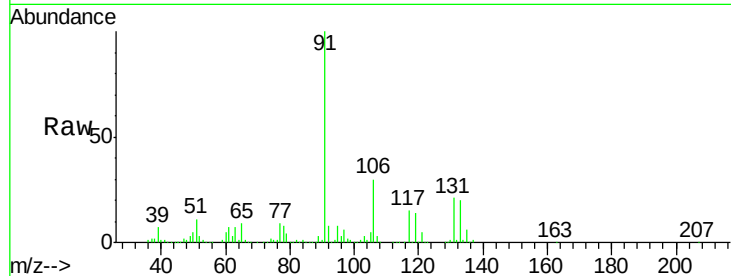
#67
Ethyl Benzene
Concen: 51.952 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1128269
Ion Ratio Lower Upper
91 100
106 30.0 25.5 38.3

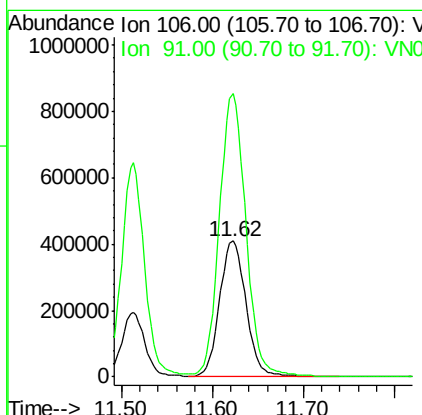
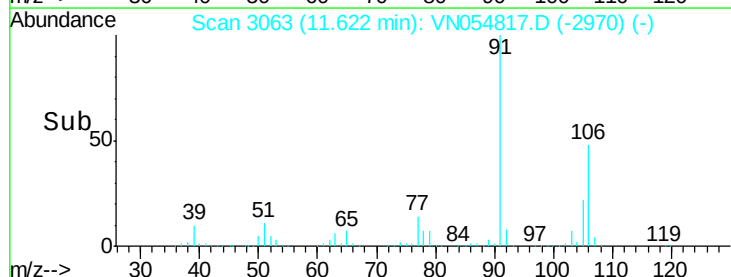
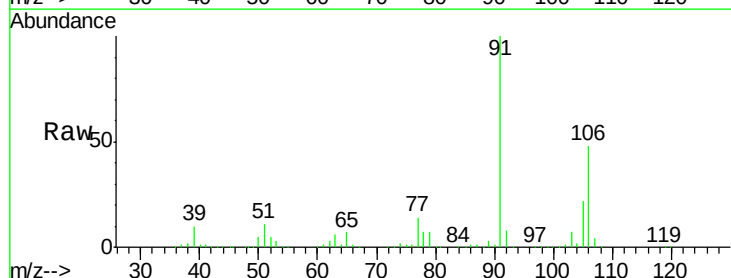
Manual Integrations
APPROVED

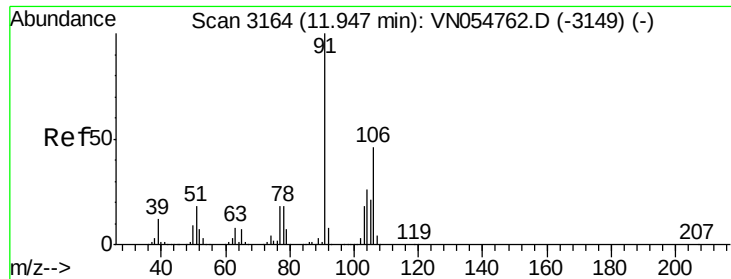
MMDadoda
4/1/2019 1:32:31 PM



#68
m/p-Xylenes
Concen: 103.311 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion: 106 Resp: 830289
Ion Ratio Lower Upper
106 100
91 208.8 159.4 239.2





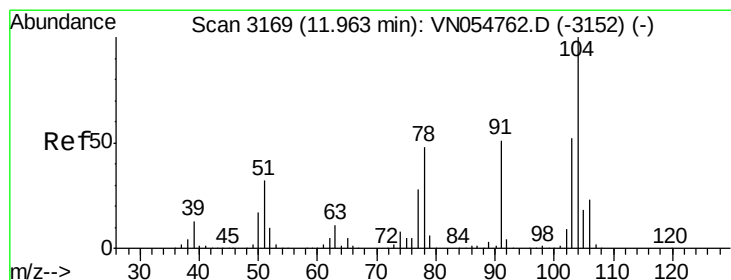
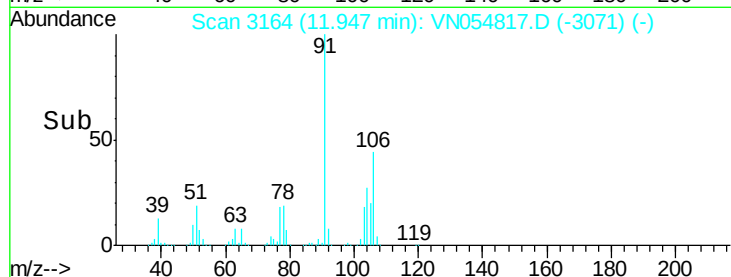
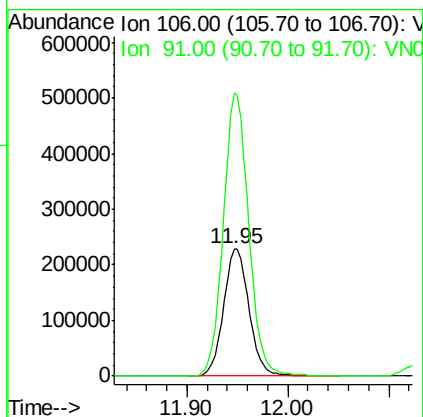
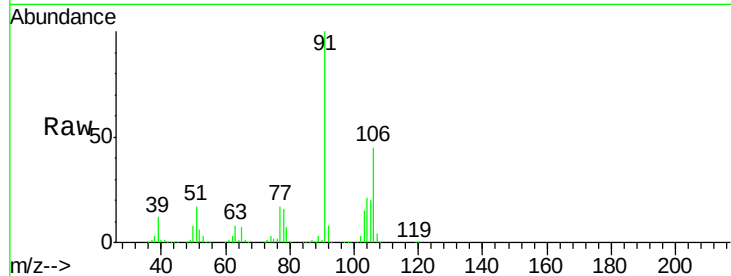
#69
o-Xylene
Concen: 51.229 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 403729
Ion Ratio Lower Upper
106 100
91 221.9 105.7 317.1

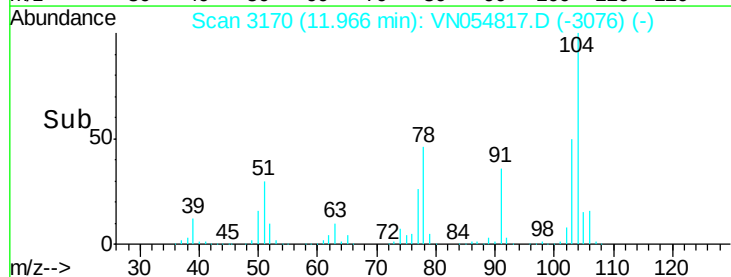
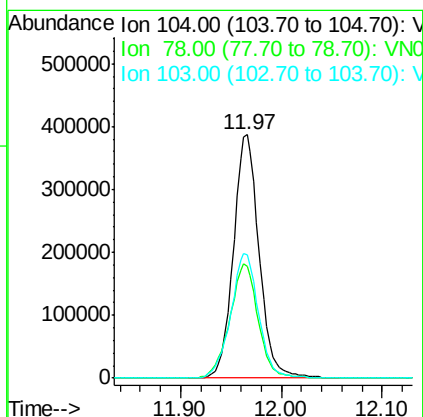
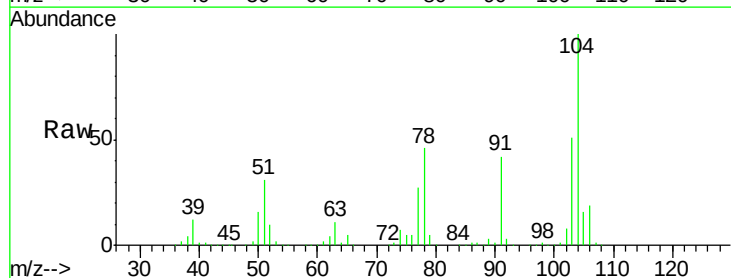
Manual Integrations
APPROVED

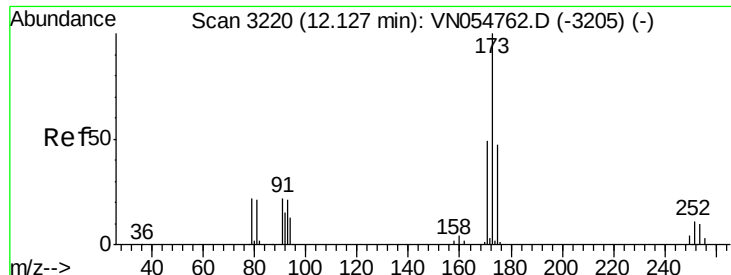
MMDadoda
4/1/2019 1:32:31 PM



#70
Styrene
Concen: 54.365 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion:104 Resp: 685045
Ion Ratio Lower Upper
104 100
78 51.9 38.2 57.2
103 55.6 44.4 66.6





#71

Bromoform

Concen: 60.260 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 159024

Ion Ratio Lower Upper

173 100

175 48.5 24.4 73.2

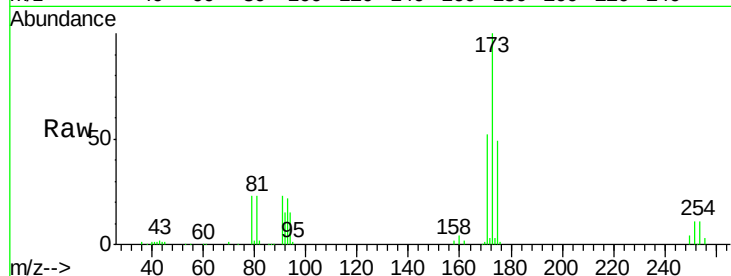
254 0.0 0.1 0.1#

Manual Integrations

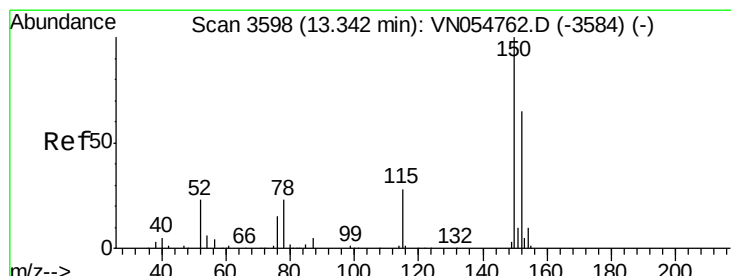
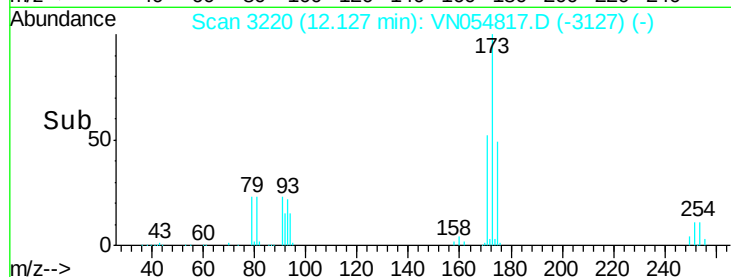
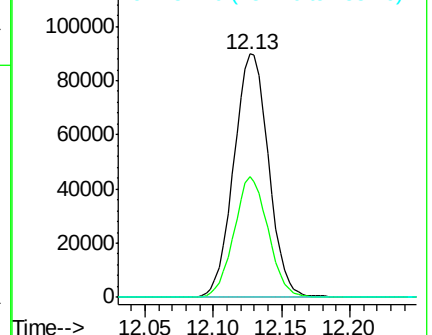
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4/1/2019 1:32:31 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

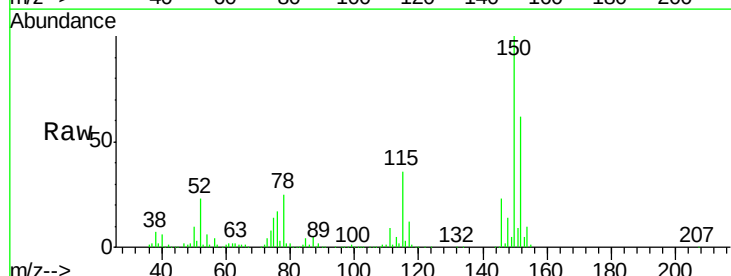
Tgt Ion:152 Resp: 266809

Ion Ratio Lower Upper

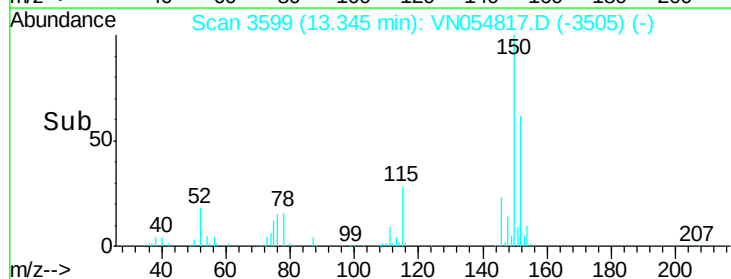
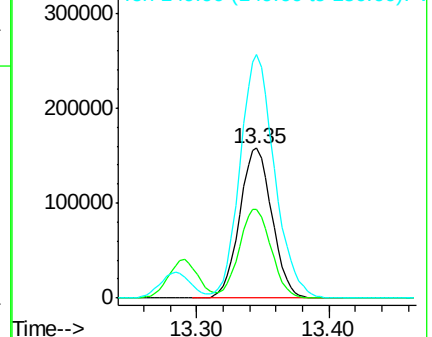
152 100

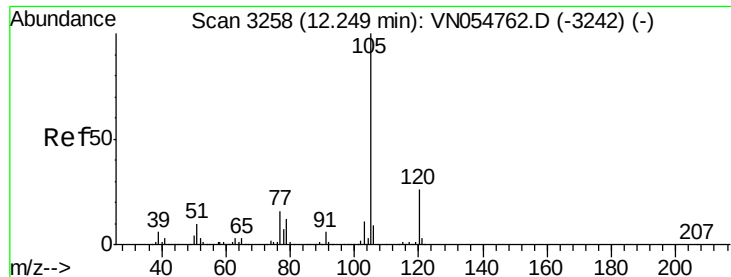
115 59.3 27.2 81.6

150 173.0 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





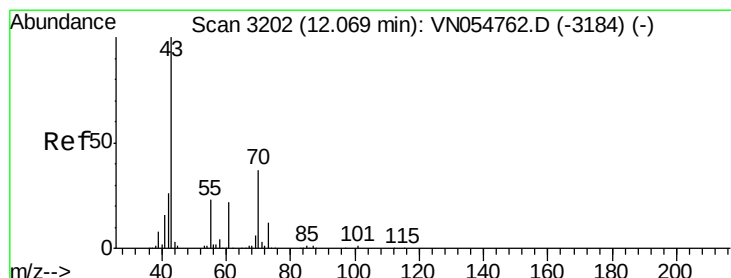
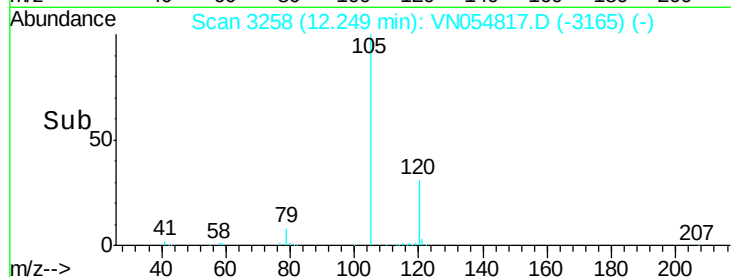
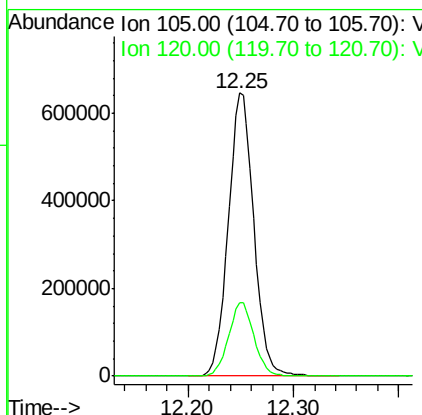
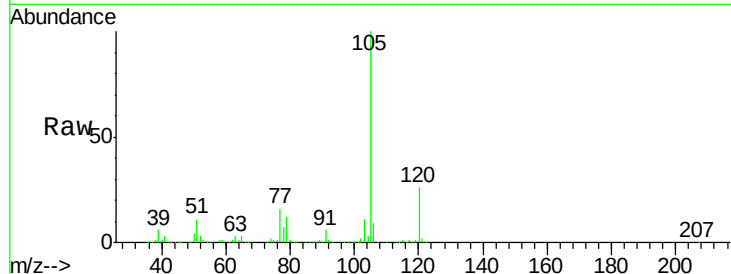
#73
Isopropylbenzene
Concen: 49.310 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1075346
Ion Ratio Lower Upper
105 100
120 26.0 13.8 41.3

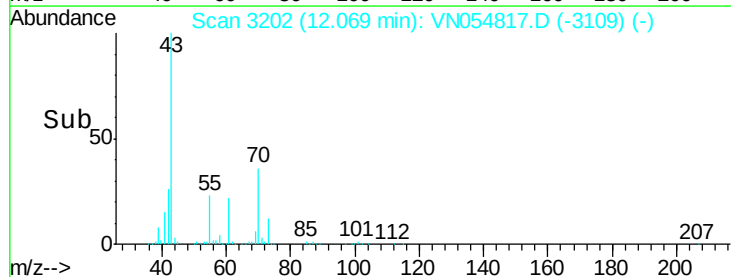
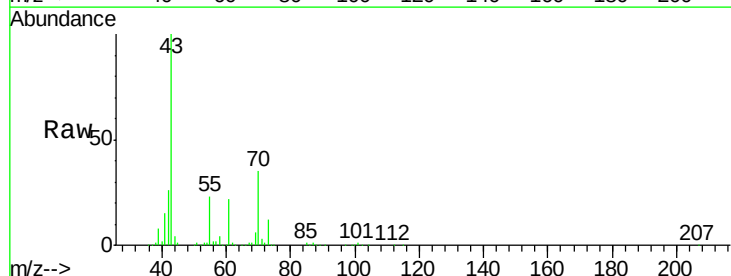
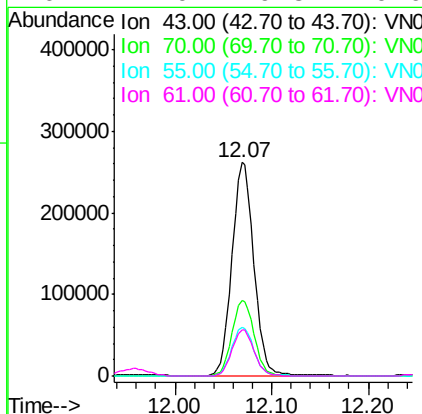
Manual Integrations
APPROVED

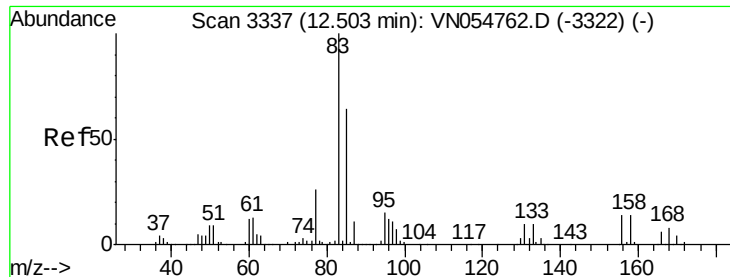
MMDadoda
4/1/2019 1:32:31 PM



#74
N-ethyl acetate
Concen: 60.327 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054817.D
Acq: 30 Mar 2019 21:45

Tgt Ion: 43 Resp: 409866
Ion Ratio Lower Upper
43 100
70 36.1 35.4 53.0
55 23.4 19.8 29.6
61 22.0 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 64.735 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

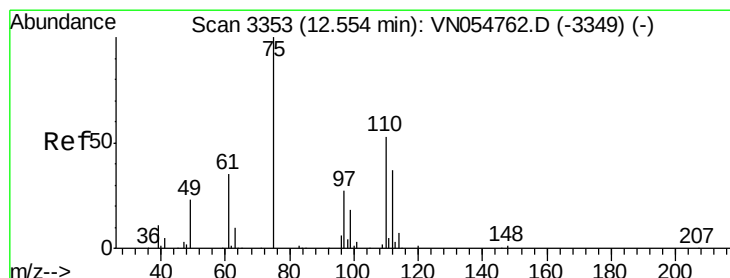
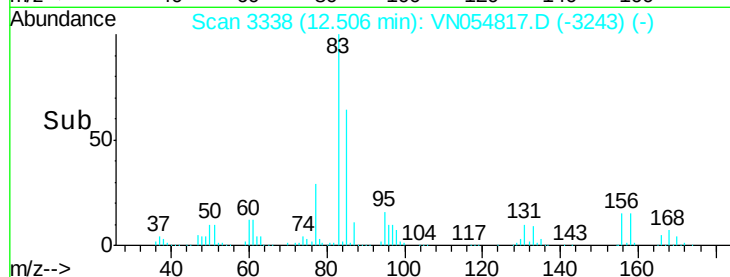
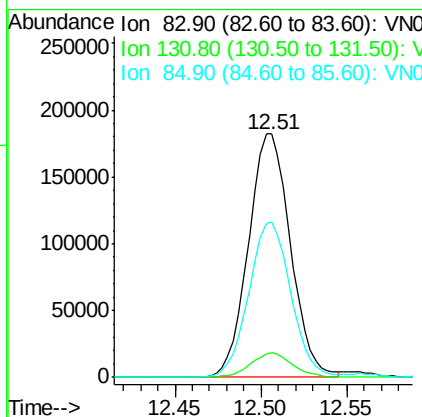
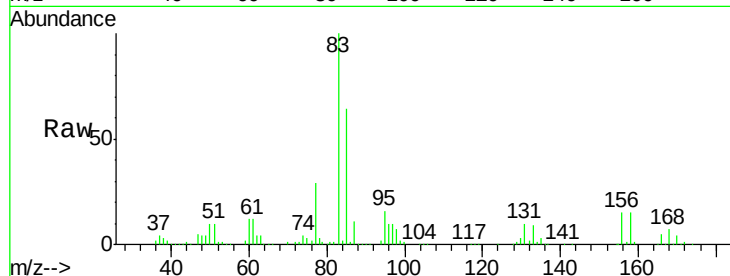
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	308784
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.8	17.4
85	63.9	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 59.303 ug/l m

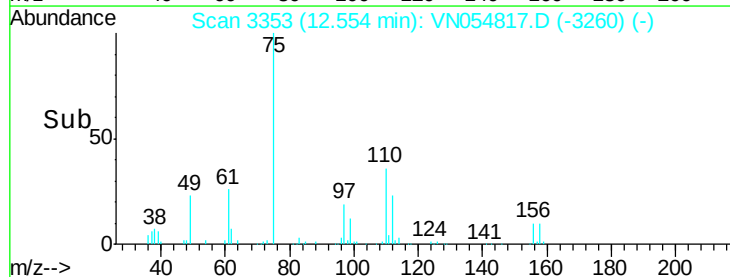
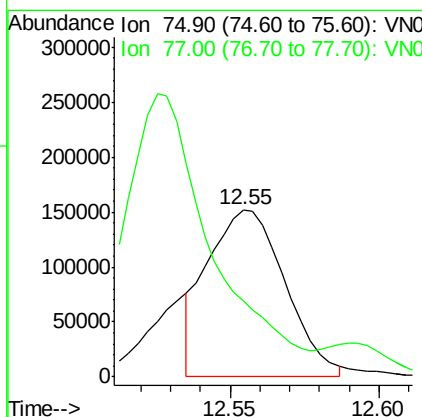
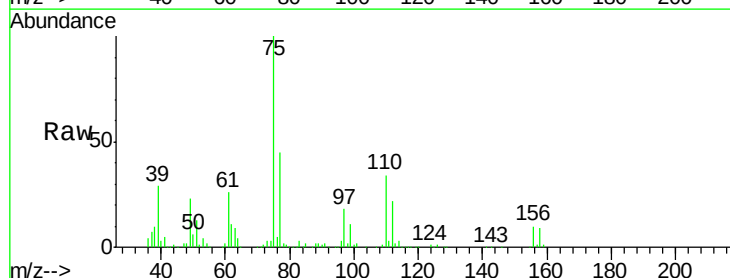
RT: 12.55 min Scan# 3353

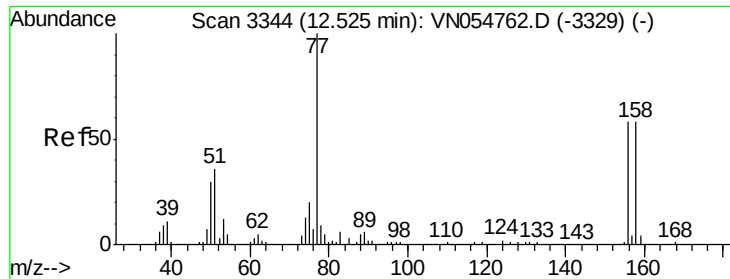
Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Tgt Ion:	75	Resp:	274875
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.864 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

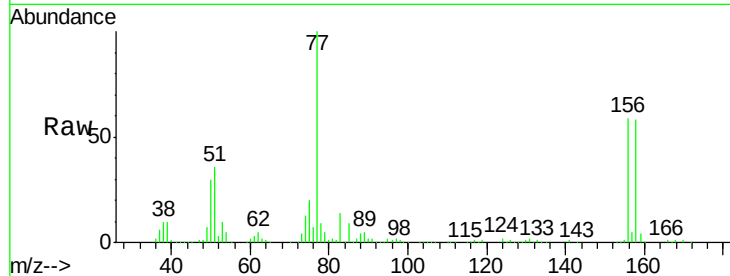
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	267711
Ion Ratio	Lower	Upper	
156	100		
77	199.2	81.5	244.4
158	98.6	49.0	147.2

Manual Integrations
APPROVED

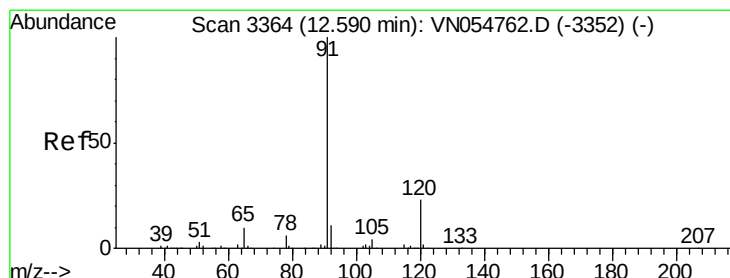
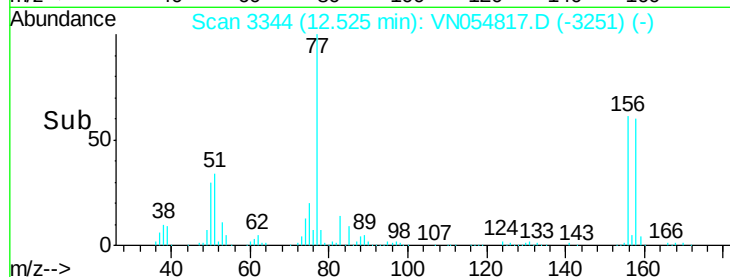
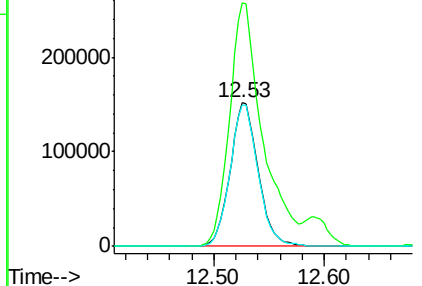
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.610 ug/l

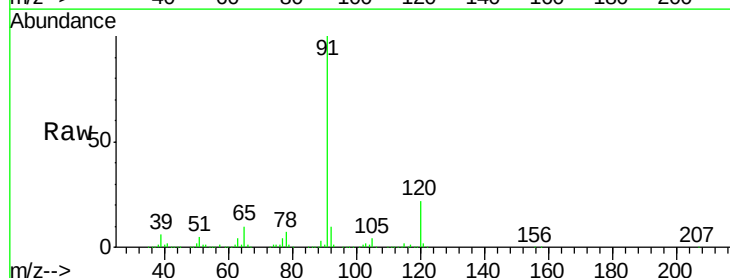
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054817.D

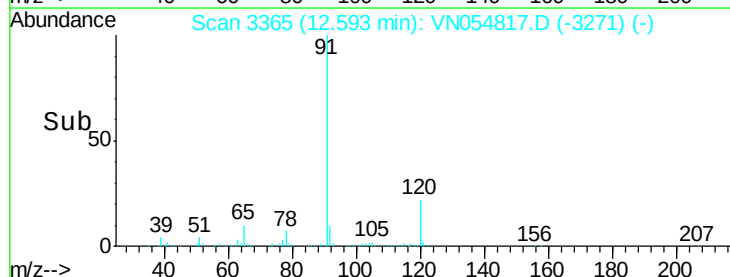
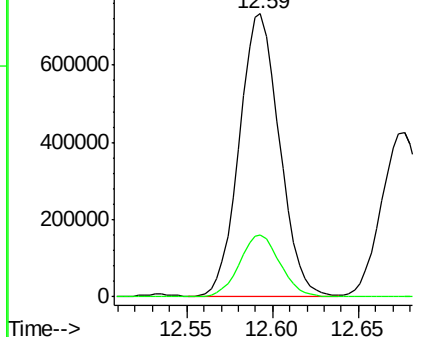
Acq: 30 Mar 2019 21:45

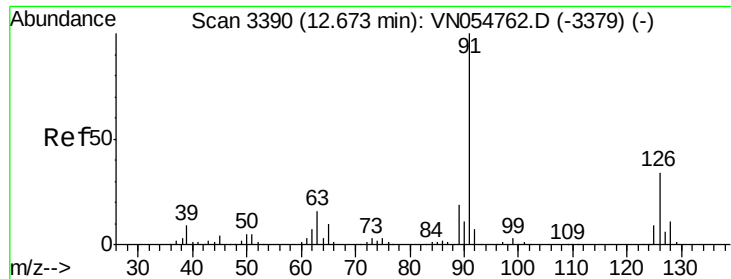
Tgt Ion:	91	Resp:	1189114
Ion Ratio	Lower	Upper	
91	100		
120	22.2	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.956 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 725967

Ion Ratio Lower Upper

91 100

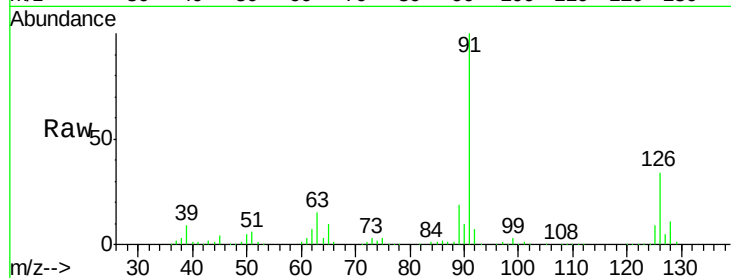
126 34.4 18.7 56.1

Manual Integrations

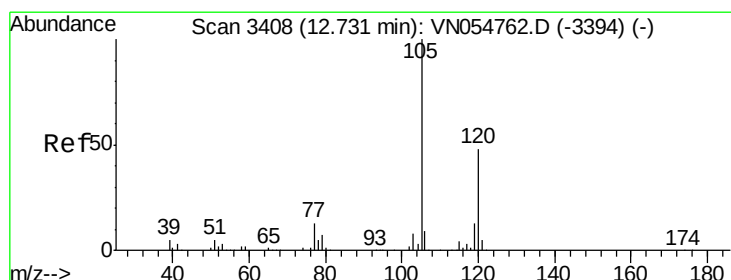
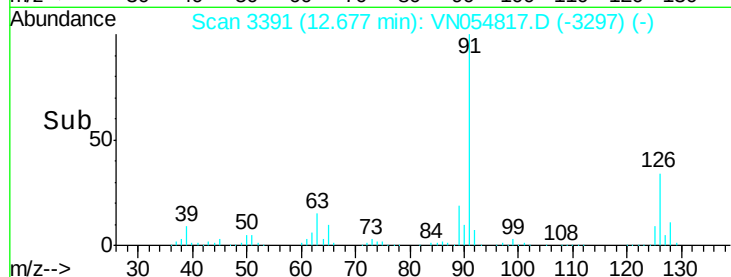
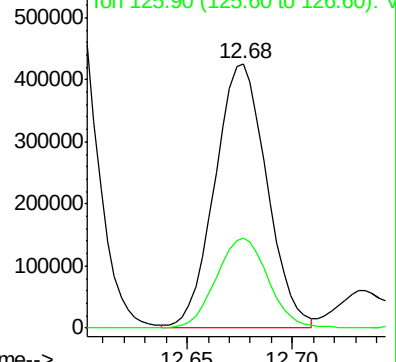
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Abundance Ion 91.00 (90.70 to 91.70): VN054762.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.298 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054817.D

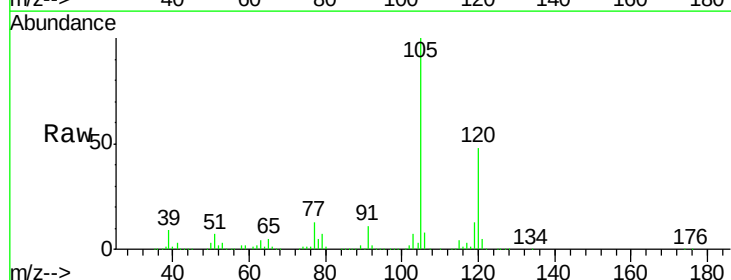
Acq: 30 Mar 2019 21:45

Tgt Ion: 105 Resp: 882144

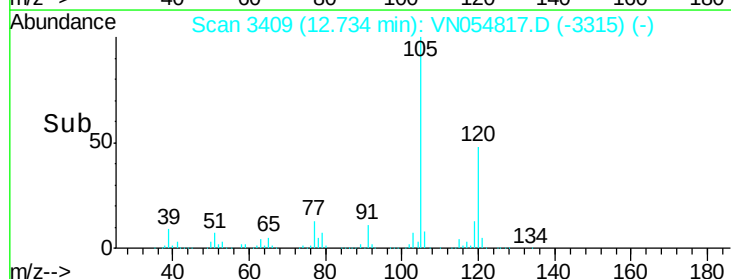
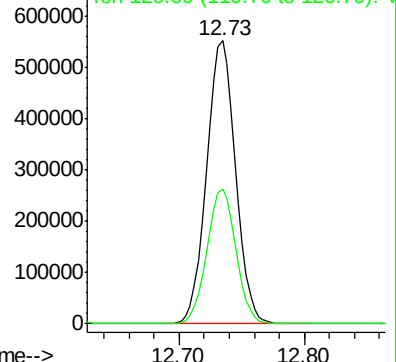
Ion Ratio Lower Upper

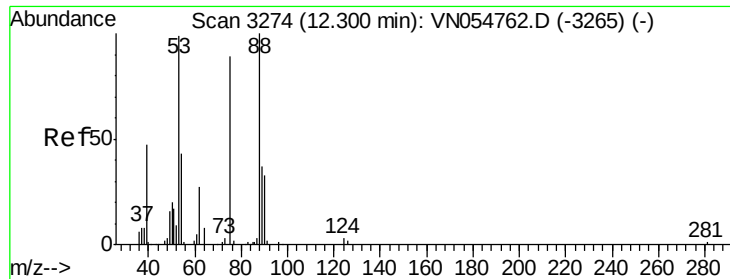
105 100

120 47.8 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054762.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.273 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 62289

Ion Ratio Lower Upper

75 100

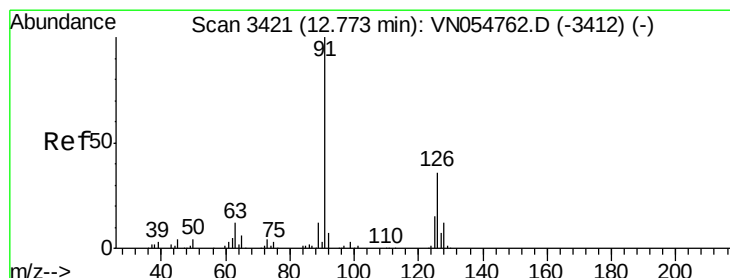
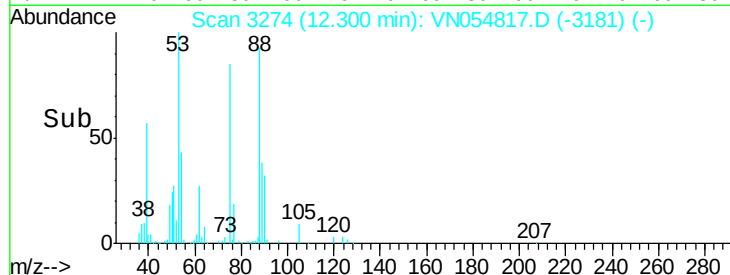
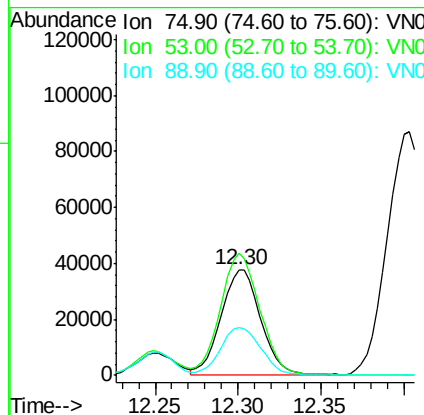
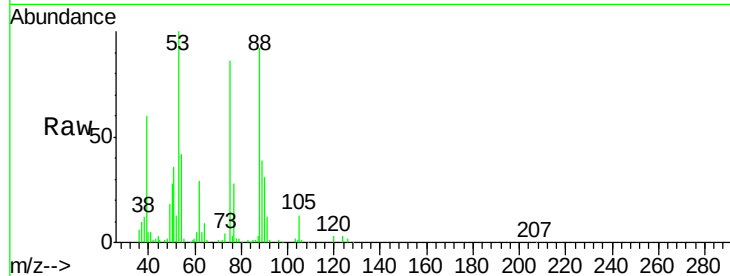
53 117.0 76.2 114.2#

89 46.7 39.2 58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.594 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054817.D

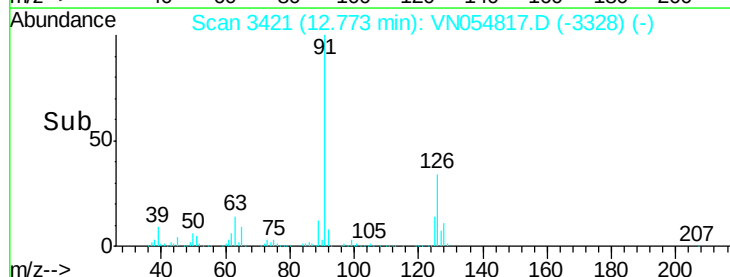
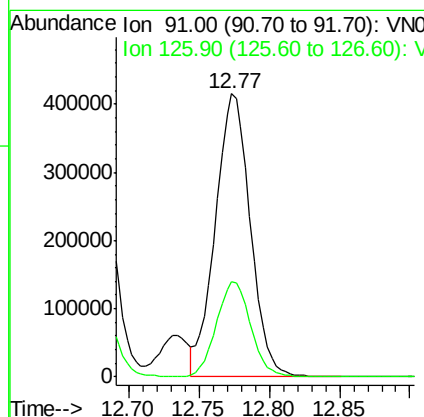
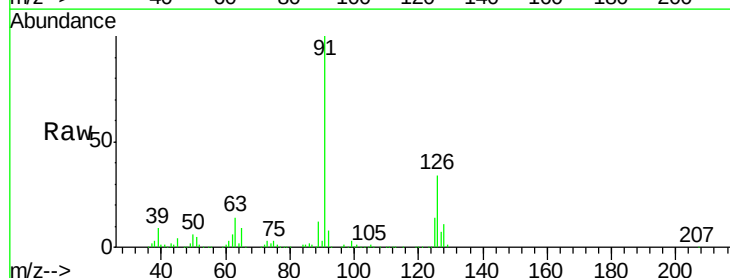
Acq: 30 Mar 2019 21:45

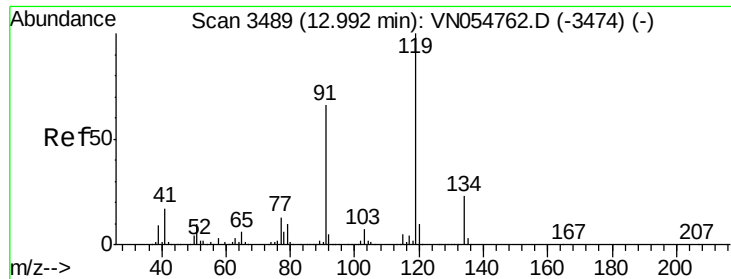
Tgt Ion: 91 Resp: 714319

Ion Ratio Lower Upper

91 100

126 33.1 18.1 54.1





#83

tert-Butylbenzene

Concen: 55.080 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

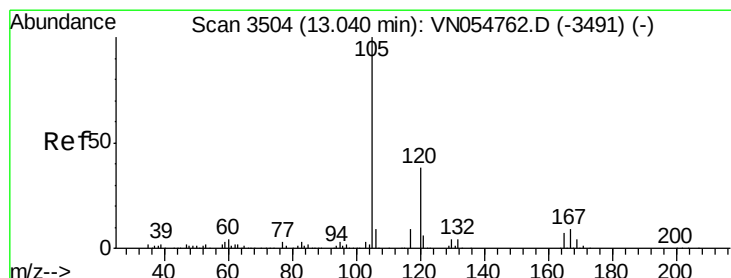
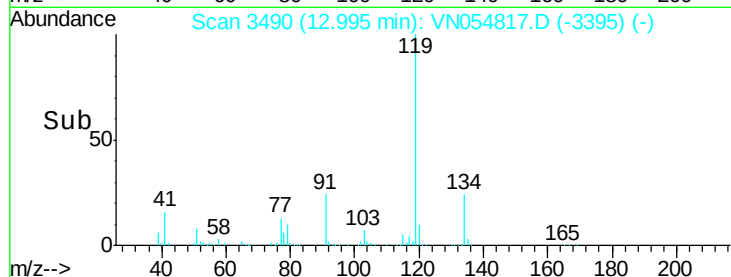
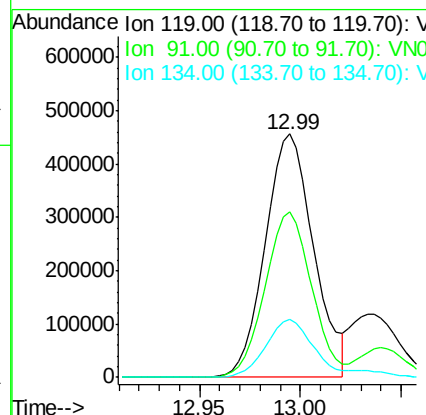
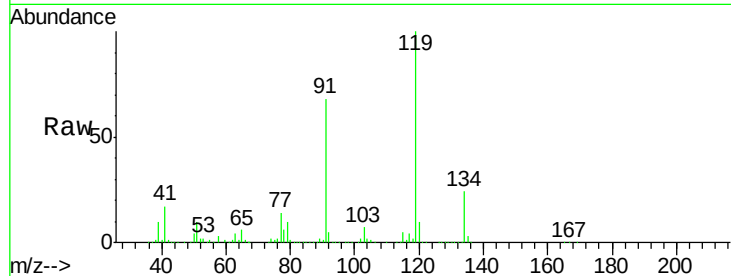
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	760727
Ion Ratio	Lower	Upper	
119	100		
91	65.2	30.9	92.8
134	23.4	13.2	39.6

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#84

1,2,4-Trimethylbenzene

Concen: 51.201 ug/l

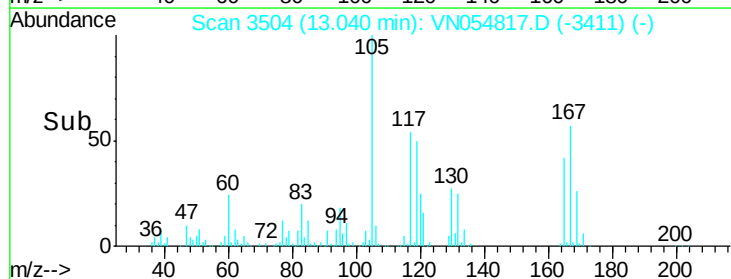
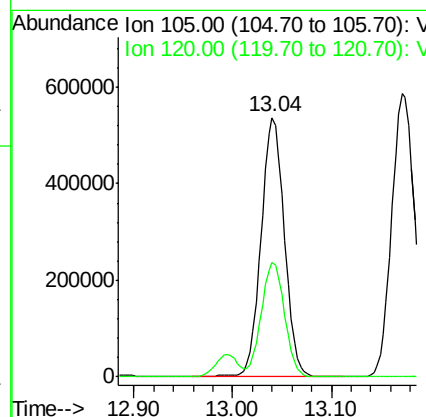
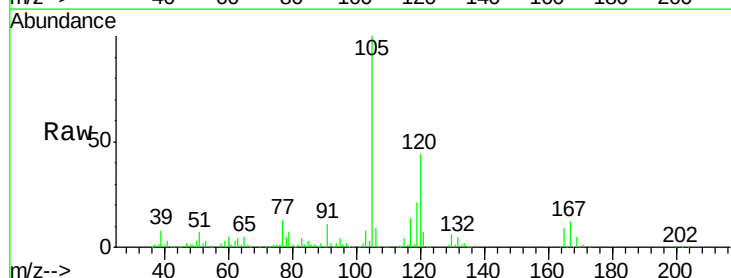
RT: 13.04 min Scan# 3504

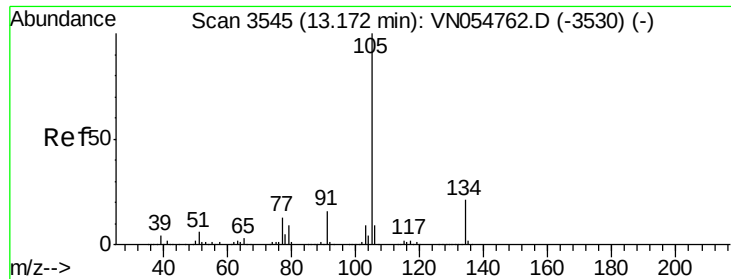
Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Tgt Ion:	105	Resp:	872852
Ion Ratio	Lower	Upper	
105	100		
120	44.3	23.4	70.3





#85

sec-Butylbenzene

Concen: 48.920 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 950937

Ion Ratio Lower Upper

105 100

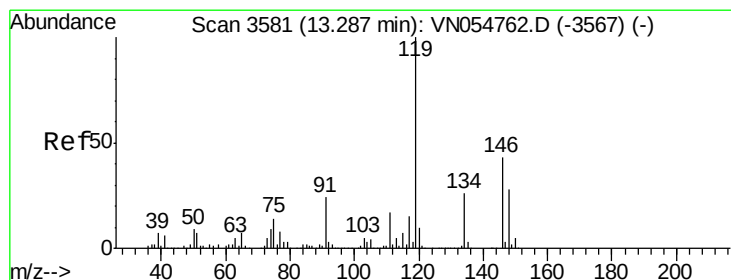
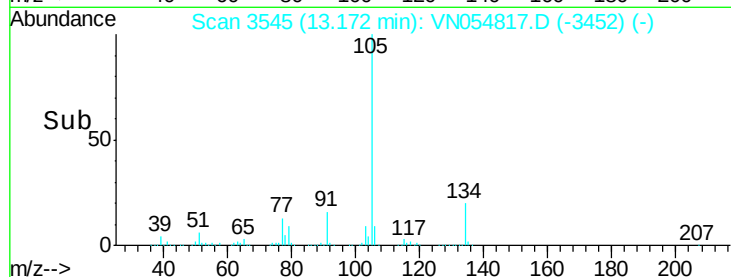
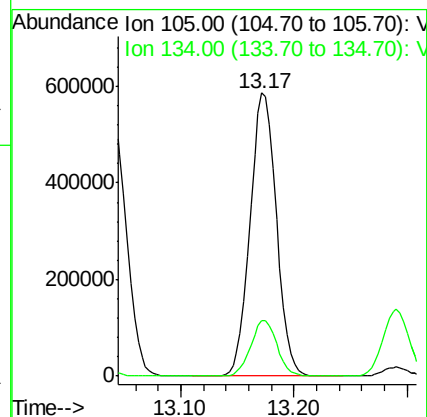
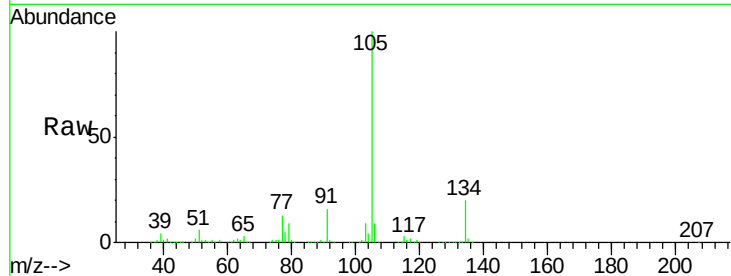
134 19.7 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.895 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

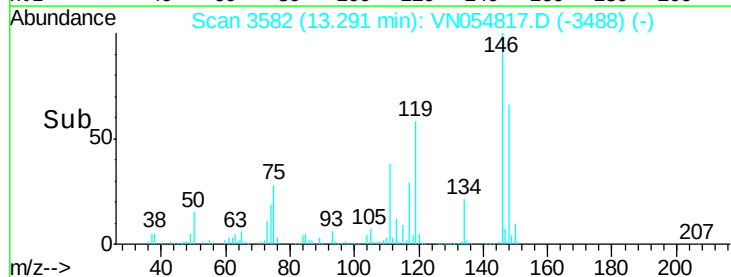
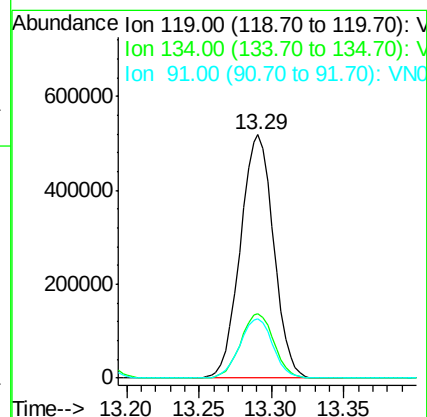
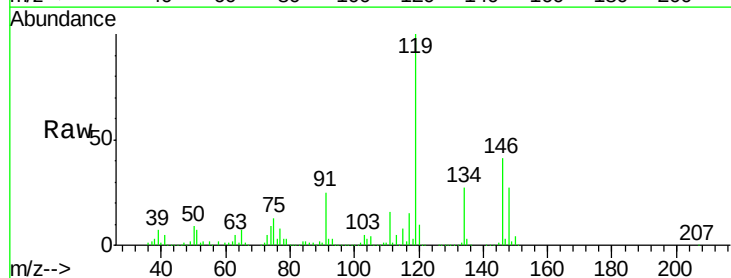
Tgt Ion:119 Resp: 821134

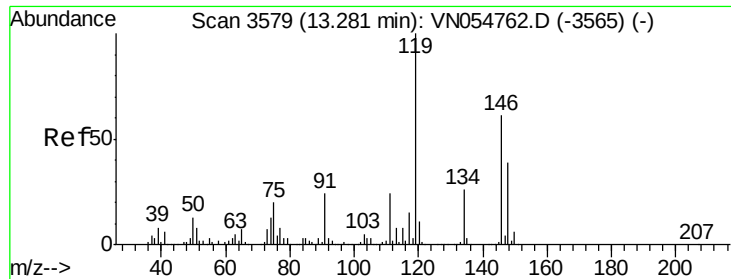
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 24.4 11.1 33.3





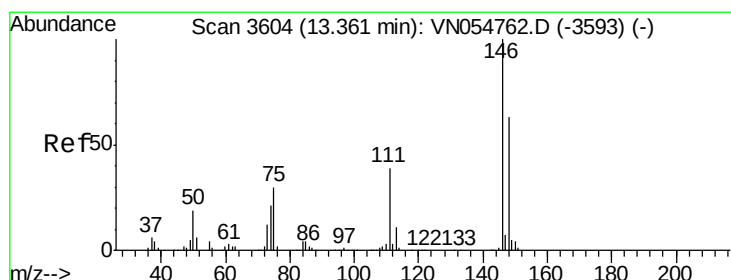
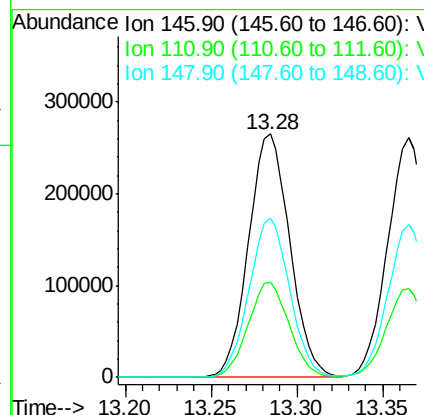
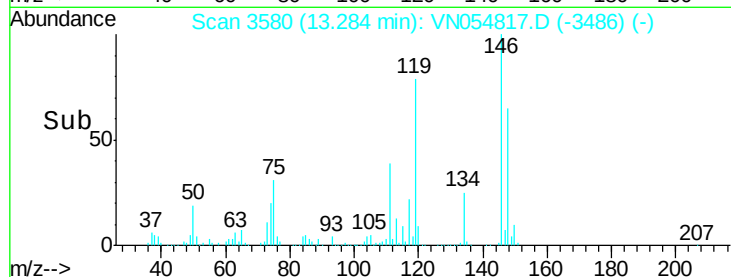
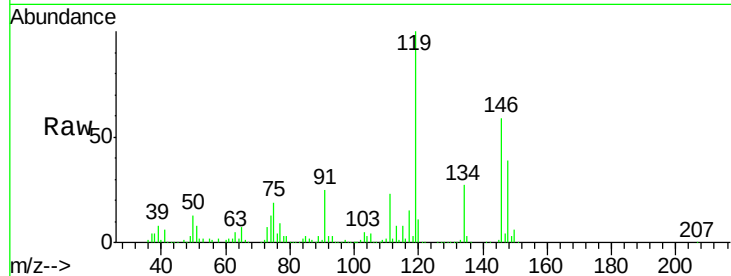
#87
 1,3-Dichlorobenzene
 Concen: 50.074 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.8	56.3
148	64.5	32.2	96.6

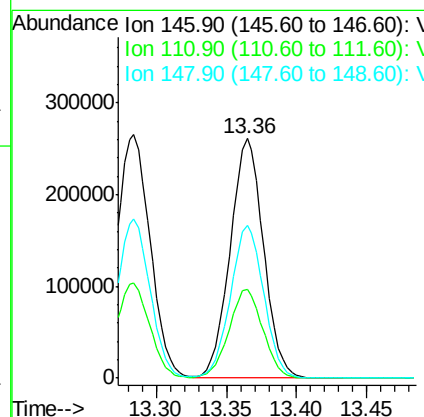
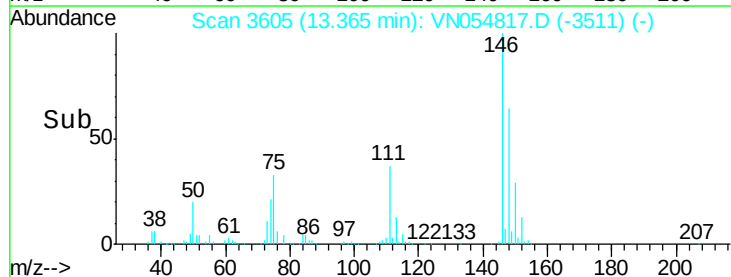
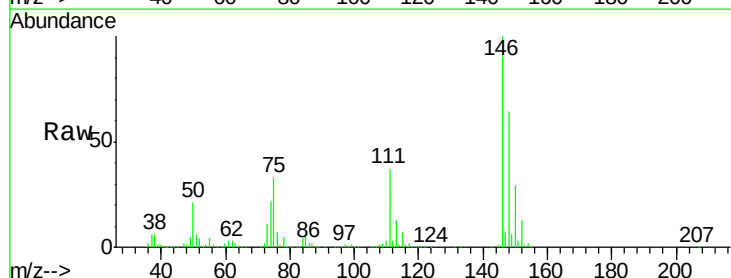
Manual Integrations
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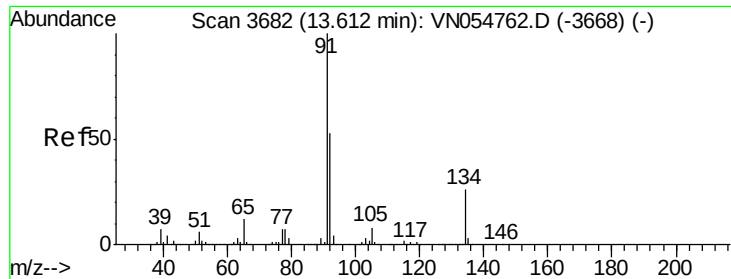
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#88
 1,4-Dichlorobenzene
 Concen: 49.988 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.1
148	63.3	32.0	96.0





#89

n-Butylbenzene

Concen: 47.448 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

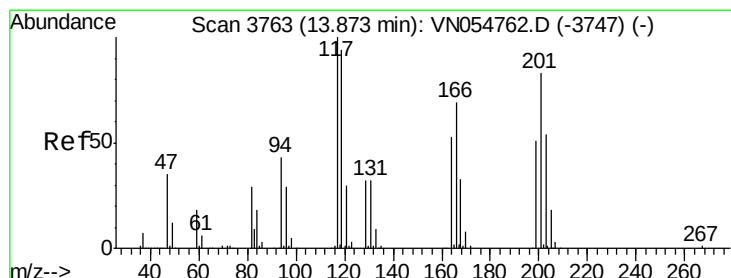
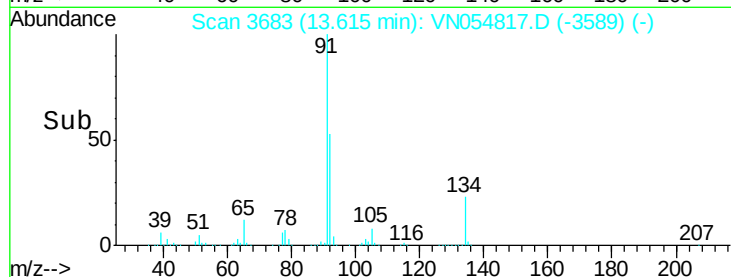
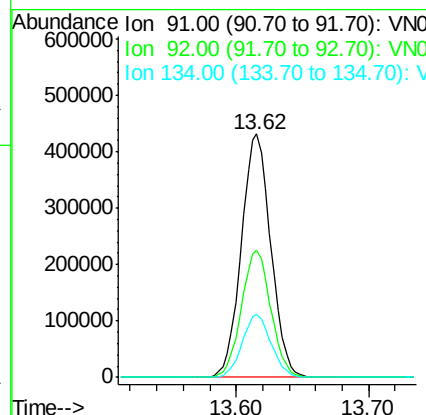
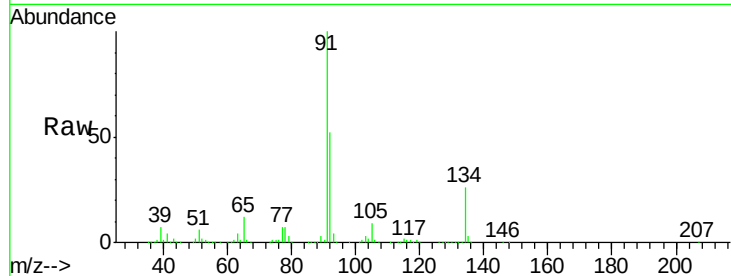
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	663700
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.6
134	25.3	14.3	42.9

Manual Integrations
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#90

Hexachloroethane

Concen: 48.715 ug/l

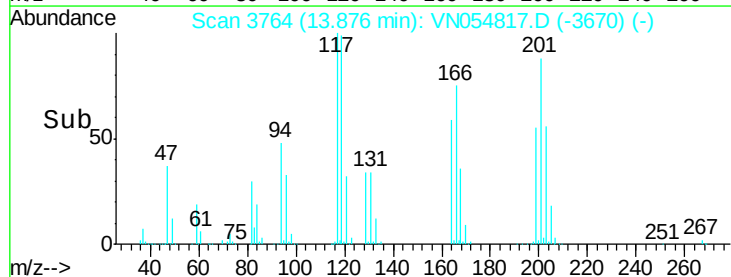
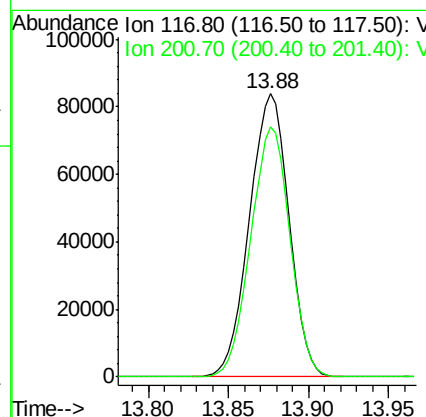
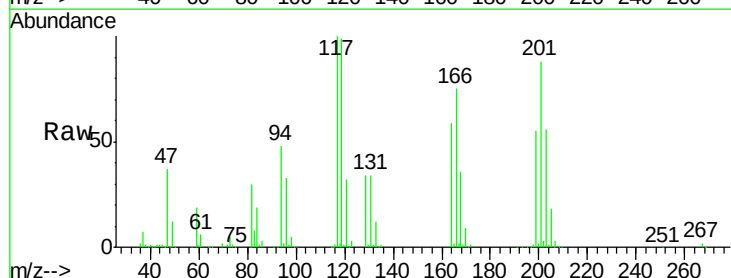
RT: 13.88 min Scan# 3764

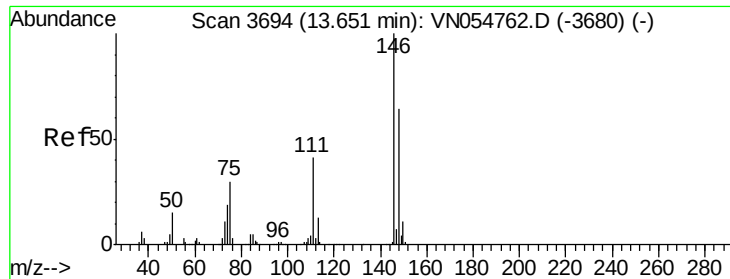
Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Tgt Ion:	117	Resp:	141805
Ion	Ratio	Lower	Upper
117	100		
201	87.6	48.1	144.4





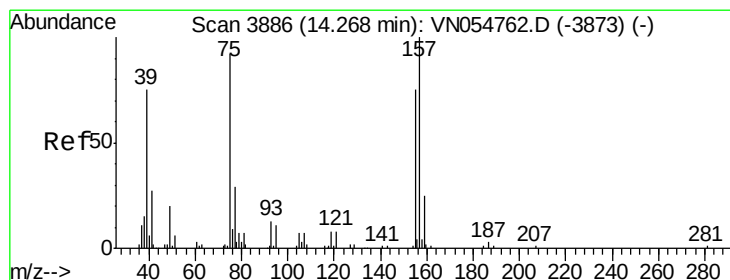
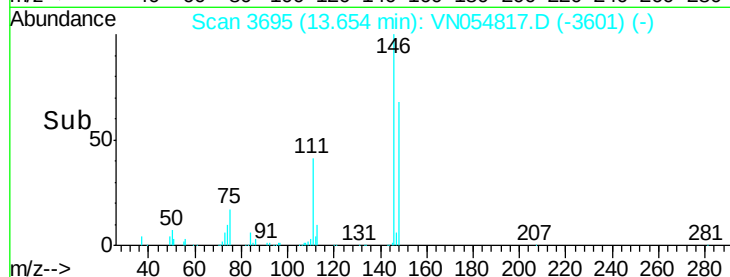
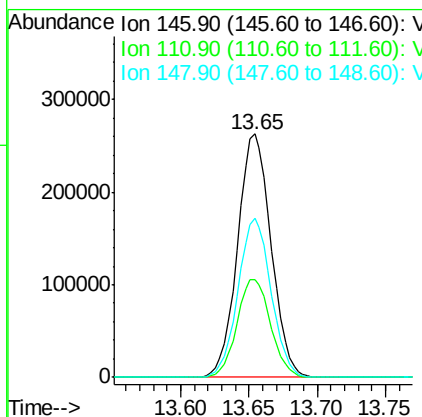
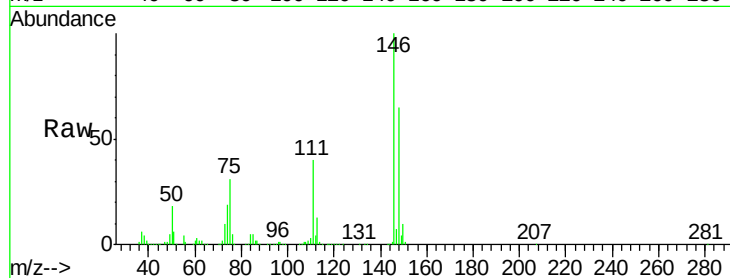
#91
 1,2-Dichlorobenzene
 Concen: 50.222 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.1	57.3
148	64.6	32.4	97.0

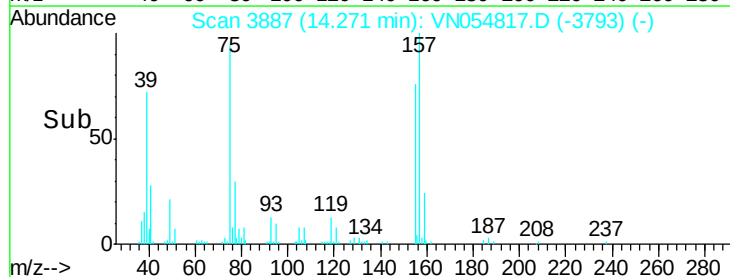
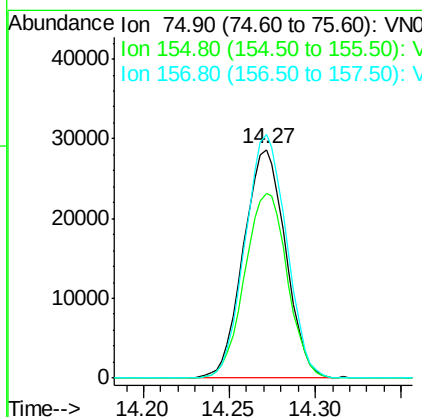
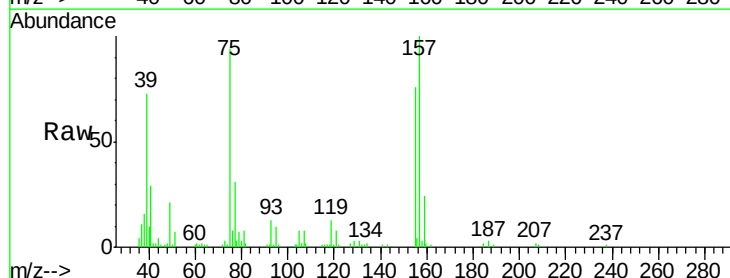
Manual Integrations
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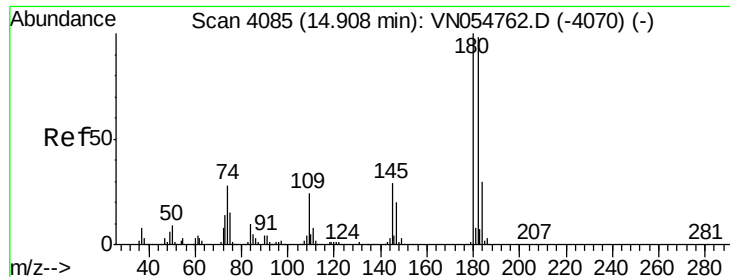
MMDadoda
 4/1/2019 1:32:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 65.105 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054817.D
 Acq: 30 Mar 2019 21:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.8	50.1	150.3
157	105.0	63.1	189.3





#93

1,2,4-Trichlorobenzene

Concen: 50.678 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

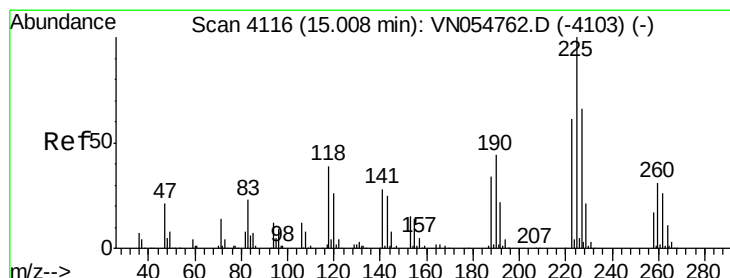
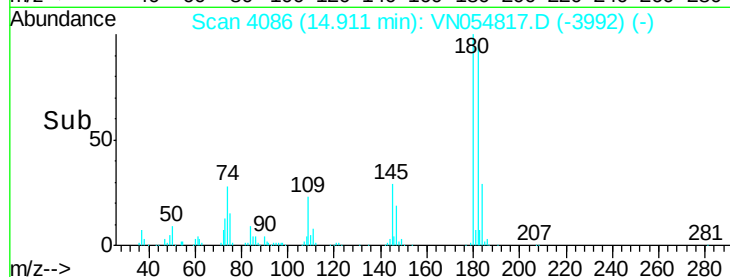
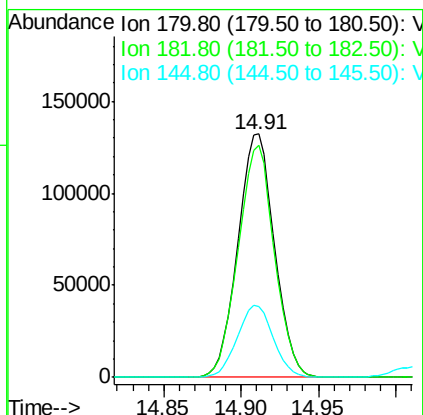
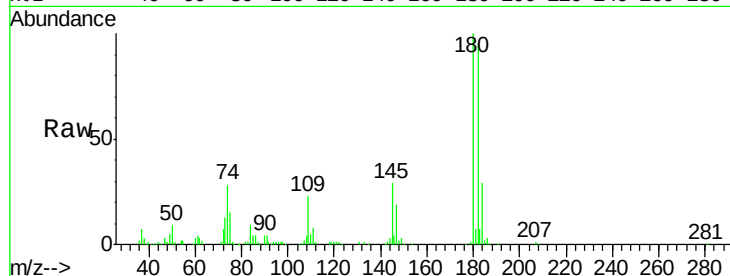
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	217280
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.0	144.2
145	29.0	14.2	42.8

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 47.250 ug/l

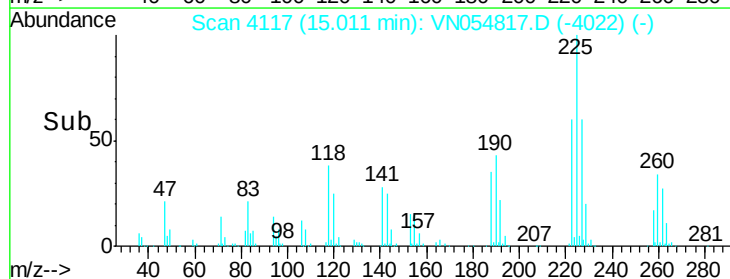
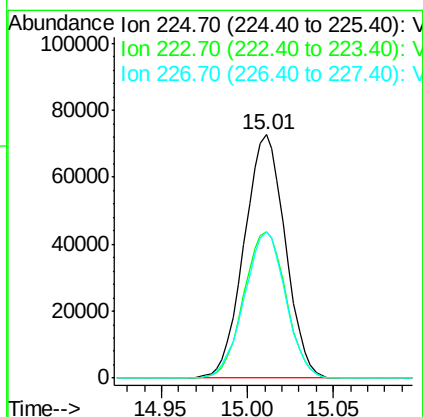
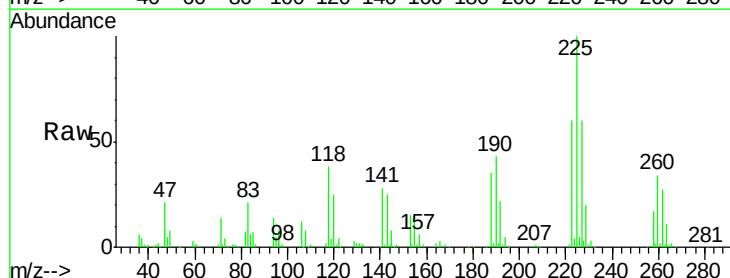
RT: 15.01 min Scan# 4117

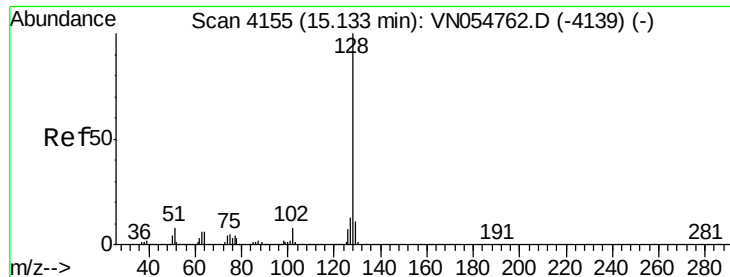
Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Tgt Ion:	225	Resp:	120271
Ion Ratio	Lower	Upper	
225	100		
223	61.7	31.1	93.5
227	60.7	31.9	95.9





#95

Naphthalene

Concen: 57.763 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Instrument :

MSVOA_N

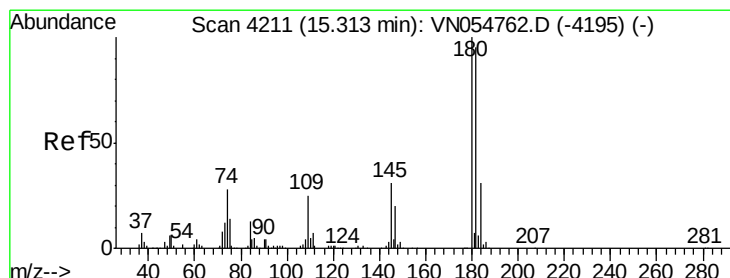
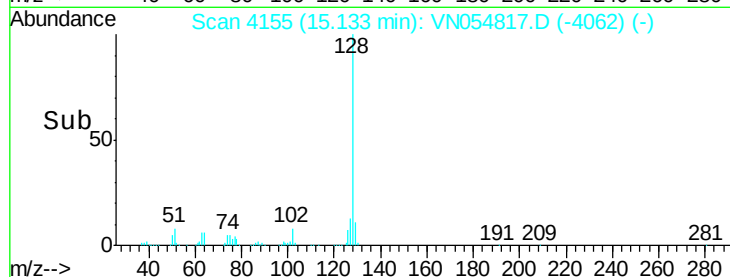
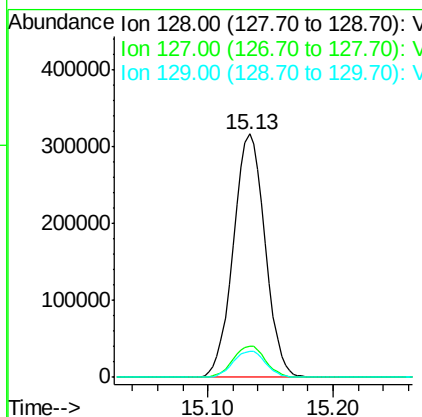
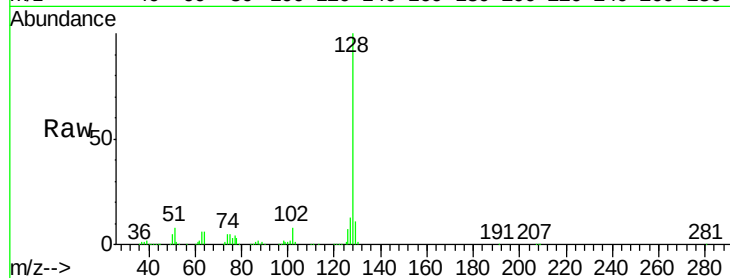
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	555452
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

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4/1/2019 1:32:31 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.555 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054817.D

Acq: 30 Mar 2019 21:45

Tgt Ion:	180	Resp:	223235
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.5	142.6
145	31.7	14.8	44.3

