

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054794.D
 Acq On : 30 Mar 2019 11:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 4/1/2019 1:32:53 PM

Quant Time: Mar 30 22:47:14 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	475457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	741277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	655438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	295513	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	310885	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
35) Dibromofluoromethane	7.59	113	243915	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
50) Toluene-d8	10.09	98	914262	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.40	95	317314	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	226993	47.199	ug/l	98
3) Chloromethane	2.06	50	304384	45.774	ug/l	100
4) Vinyl Chloride	2.19	62	272757	45.676	ug/l	100
5) Bromomethane	2.57	94	153633	49.027	ug/l	98
6) Chloroethane	2.71	64	150253	45.060	ug/l	99
7) Trichlorofluoromethane	3.02	101	348153	47.422	ug/l	100
8) Diethyl Ether	3.41	74	112036	47.393	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	183115	47.380	ug/l	93
10) Methyl Iodide	3.94	142	256852	48.547	ug/l #	87
11) Tert butyl alcohol	4.82	59	90069	269.720	ug/l	98
12) 1,1-Dichloroethene	3.73	96	173698	46.476	ug/l #	70
13) Acrolein	3.61	56	80213	268.691	ug/l	96
14) Allyl chloride	4.32	41	436460	47.412	ug/l #	91
15) Acrylonitrile	4.99	53	478445	257.767	ug/l	100
16) Acetone	3.82	43	458036	299.685	ug/l #	81
17) Carbon Disulfide	4.04	76	564495	46.568	ug/l	100
18) Methyl Acetate	4.33	43	212902	53.546	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	644749	49.318	ug/l	94
20) Methylene Chloride	4.54	84	248110	46.021	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	235826	48.040	ug/l	87
22) Diisopropyl ether	5.96	45	894066	49.105	ug/l #	94
23) Vinyl Acetate	5.90	43	3312240	261.414	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	468535	48.241	ug/l	98
25) 2-Butanone	6.85	43	663124	293.515	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	344577	50.618	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	267877	48.305	ug/l	87
28) Bromochloromethane	7.20	49	260722	53.684	ug/l #	71
29) Tetrahydrofuran	7.22	42	398464	253.935	ug/l #	85
30) Chloroform	7.37	83	449353	48.520	ug/l	98
31) Cyclohexane	7.65	56	448869	50.752	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	380791	49.615	ug/l	96
36) 1,1-Dichloropropene	7.79	75	344788	49.917	ug/l	96
37) Ethyl Acetate	6.94	43	265487	52.413	ug/l	95
38) Carbon Tetrachloride	7.77	117	324866	48.424	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	390822	51.466	ug/l	89
40) Benzene	8.04	78	1012671	51.237	ug/l	100
41) Methacrylonitrile	7.17	41	147836	51.956	ug/l	90
42) 1,2-Dichloroethane	8.13	62	360411	51.071	ug/l	97
43) Isopropyl Acetate	8.17	43	456222	55.432	ug/l #	94
44) Trichloroethene	8.84	130	264123	51.480	ug/l	92
45) 1,2-Dichloropropane	9.12	63	282688	50.161	ug/l	98
46) Dibromomethane	9.21	93	163926	51.707	ug/l	87
47) Bromodichloromethane	9.40	83	341050	51.763	ug/l	97
48) Methyl methacrylate	9.20	41	236025	52.903	ug/l	87
49) 1,4-Dioxane	9.20	88	51521	1163.849	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	1311323	283.388	ug/l	93
52) Toluene	10.16	92	606814	51.597	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	336226	54.249	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	405425	54.761	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	223769	51.170	ug/l	96
56) Ethyl methacrylate	10.43	69	312812	54.530	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	392974	52.270	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	587403	238.223	ug/l #	89
59) 2-Hexanone	10.75	43	867385	292.816	ug/l	91
60) Dibromochloromethane	10.90	129	240489	54.289	ug/l	100
61) 1,2-Dibromoethane	11.01	107	220329	52.722	ug/l	100
64) Tetrachloroethene	10.63	164	249560	49.618	ug/l	98
65) Chlorobenzene	11.43	112	639876	49.863	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	239611	49.885	ug/l	99
67) Ethyl Benzene	11.51	91	1175663	50.769	ug/l	96
68) m/p-Xylenes	11.62	106	873159	101.889	ug/l	94
69) o-Xylene	11.95	106	420809	50.076	ug/l	95
70) Styrene	11.96	104	715733	53.268	ug/l	97
71) Bromoform	12.13	173	150642	53.534	ug/l #	99
73) Isopropylbenzene	12.25	105	1127956	46.698	ug/l	98
74) N-amyl acetate	12.07	43	386881	51.413	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	283658	53.389	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	238205m	46.400	ug/l	
77) Bromobenzene	12.53	156	280084	48.046	ug/l	86
78) n-propylbenzene	12.59	91	1286027	48.442	ug/l	96
79) 2-Chlorotoluene	12.67	91	766720	46.682	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	945859	47.724	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	68141	51.629	ug/l	86
82) 4-Chlorotoluene	12.77	91	767442	48.107	ug/l	96
83) tert-Butylbenzene	12.99	119	786442	51.266	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	940298	49.799	ug/l	97
85) sec-Butylbenzene	13.17	105	1037625	48.195	ug/l	97
86) p-Isopropyltoluene	13.29	119	928770	48.911	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	482991	49.487	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	470003	49.099	ug/l	99
89) n-Butylbenzene	13.61	91	807621	52.128	ug/l	97
90) Hexachloroethane	13.87	117	150641	46.724	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	468957	47.610	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42937	51.999	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	247614	52.143	ug/l	98
94) Hexachlorobutadiene	15.01	225	153261	54.693	ug/l	99
95) Naphthalene	15.13	128	542580	50.944	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	239376	49.913	ug/l	98

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

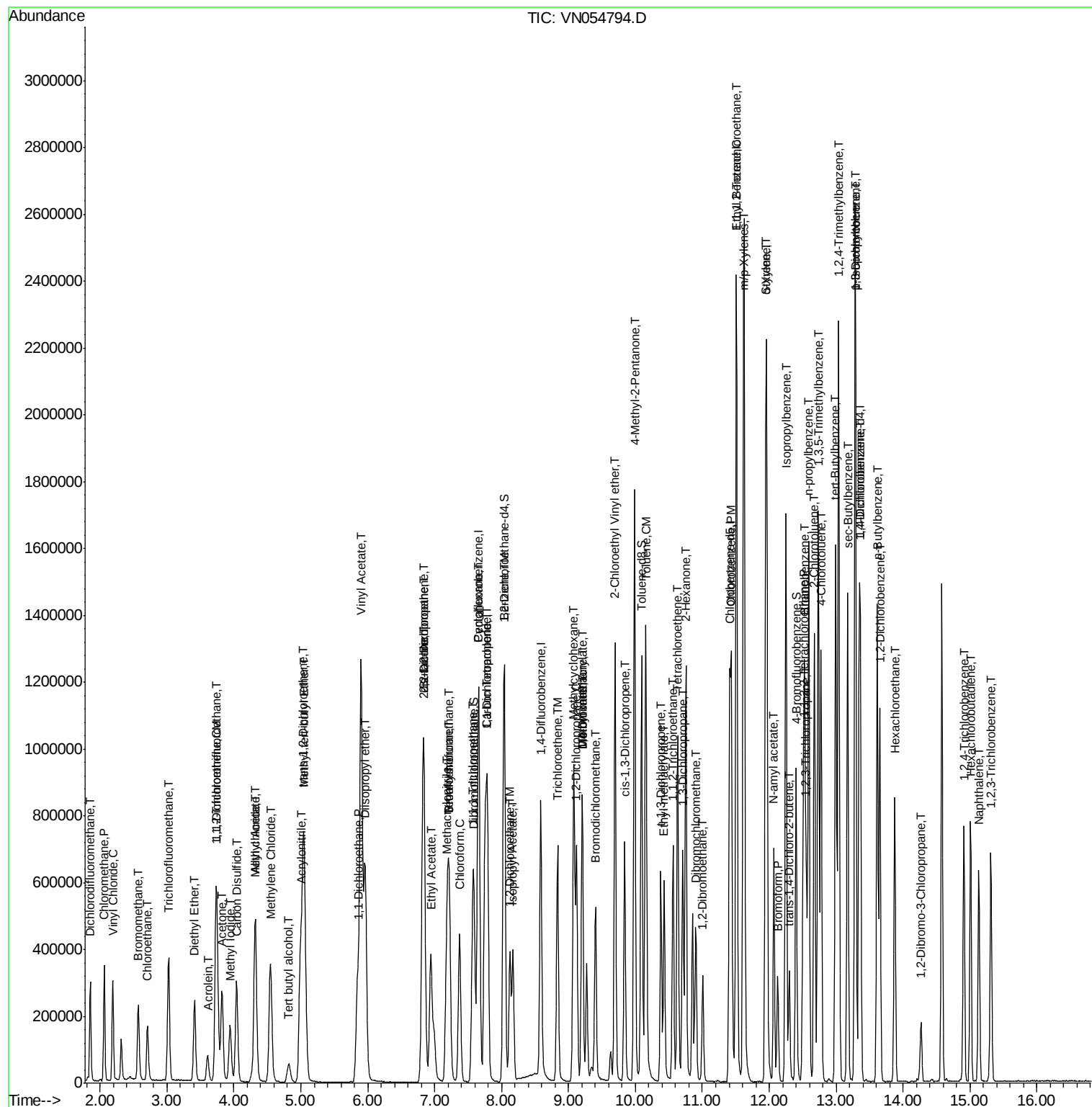
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 475457

Ion Ratio Lower Upper

168 100

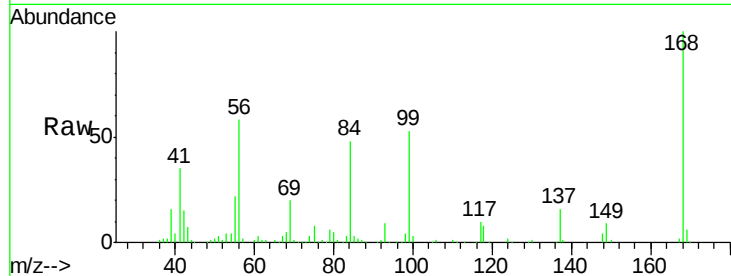
99 52.2 37.1 55.7

Manual Integrations

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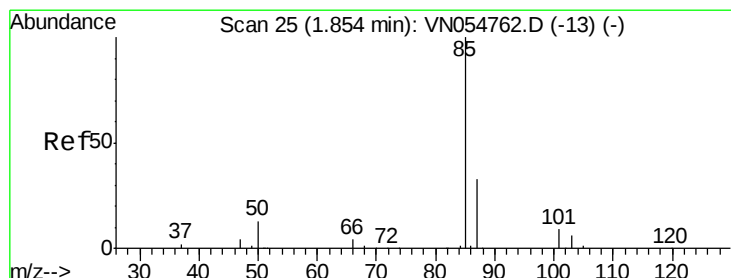
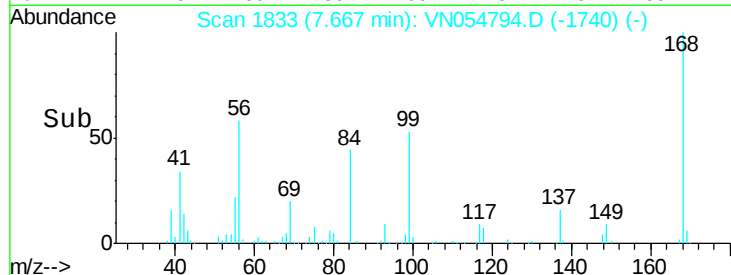
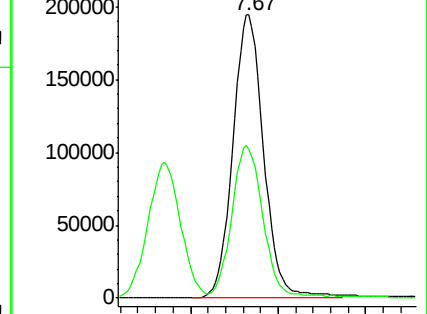
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.199 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054794.D

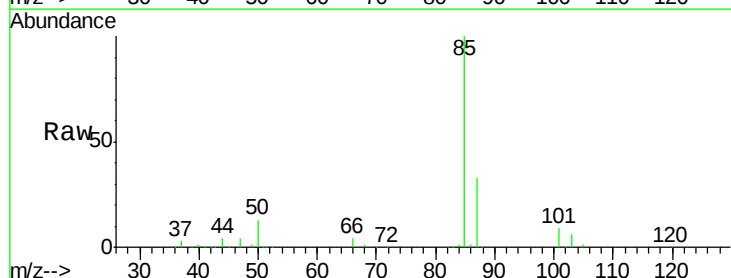
Acq: 30 Mar 2019 11:28

Tgt Ion: 85 Resp: 226993

Ion Ratio Lower Upper

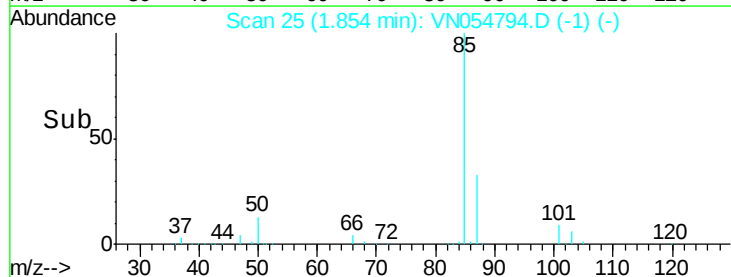
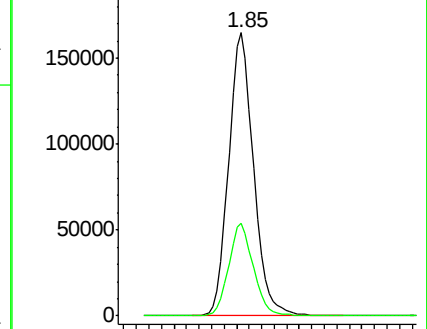
85 100

87 32.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.774 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 304384

Ion Ratio Lower Upper

50 100

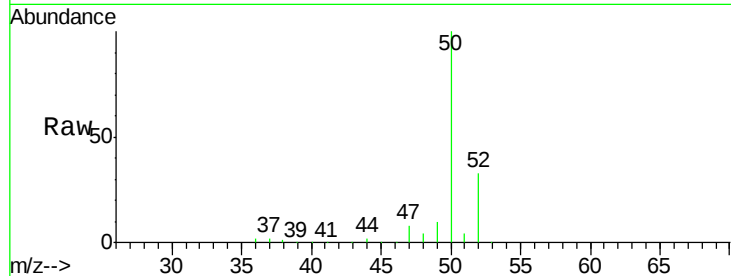
52 32.7 26.4 39.6

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

200000

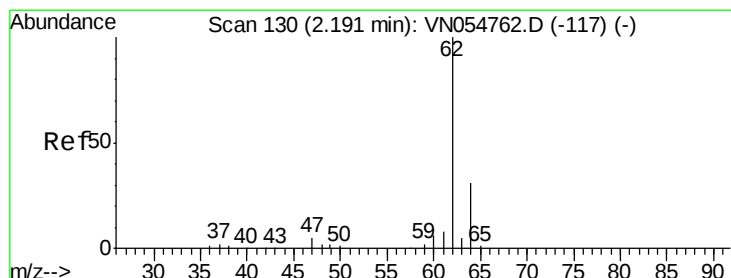
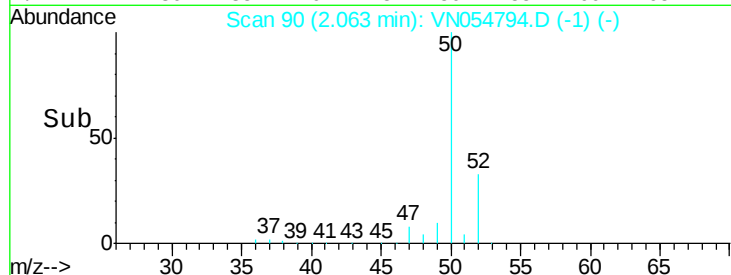
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100000

50000

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Time-->



#4

Vinyl Chloride

Concen: 45.676 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054794.D

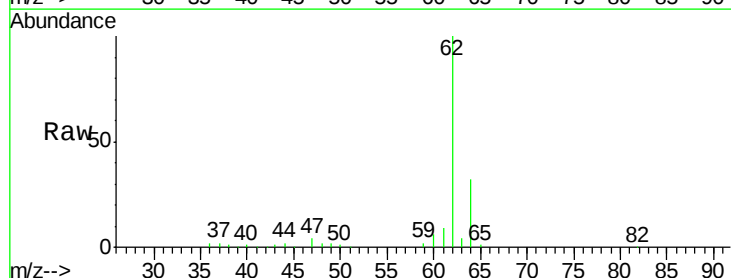
Acq: 30 Mar 2019 11:28

Tgt Ion: 62 Resp: 272757

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

200000

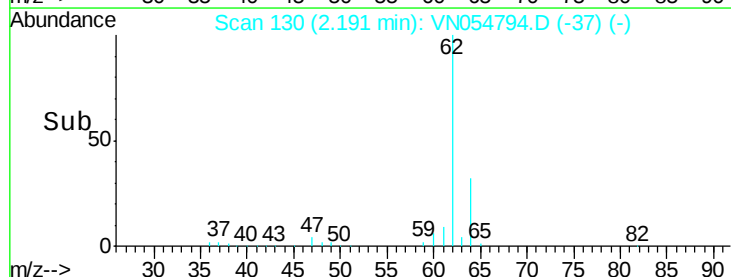
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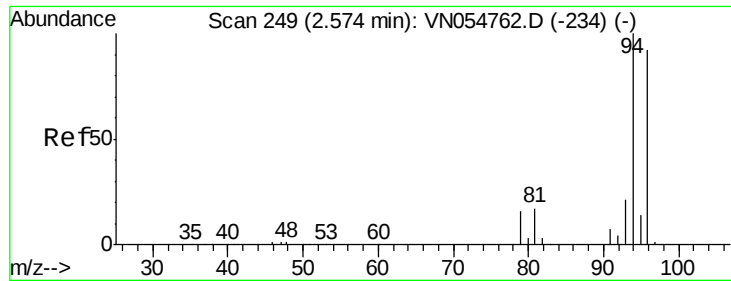
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50000

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Time-->





#5

Bromomethane

Concen: 49.027 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 153633

Ion Ratio Lower Upper

94 100

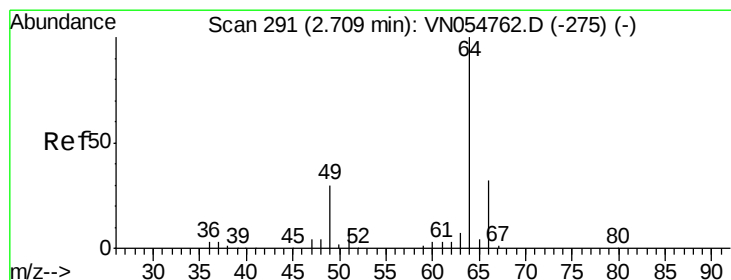
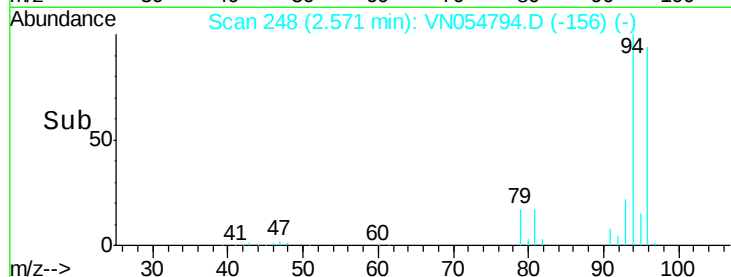
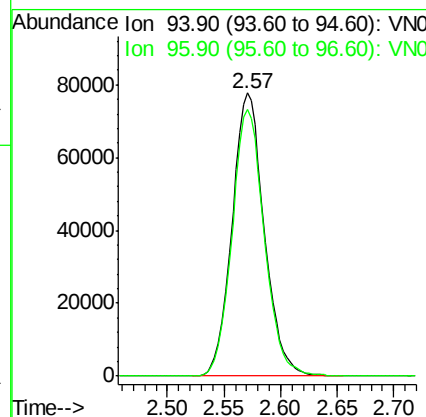
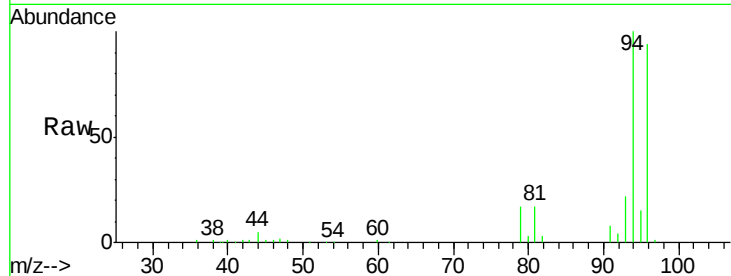
96 94.4 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 45.060 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054794.D

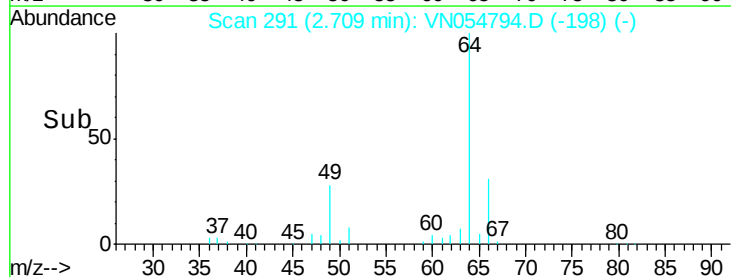
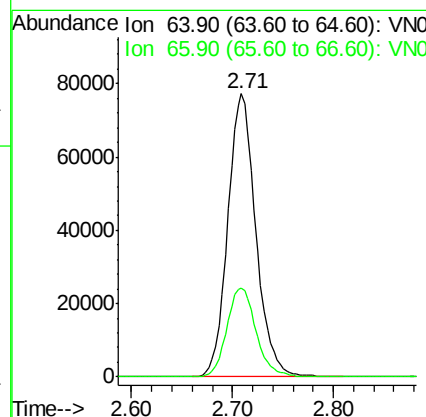
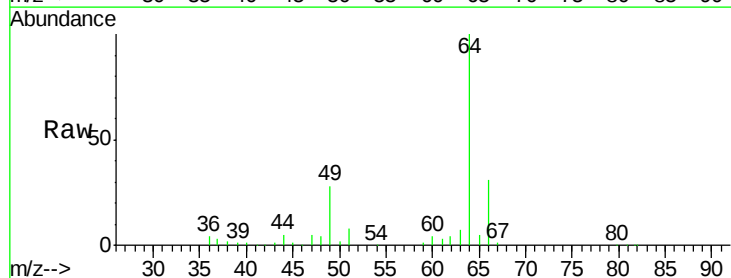
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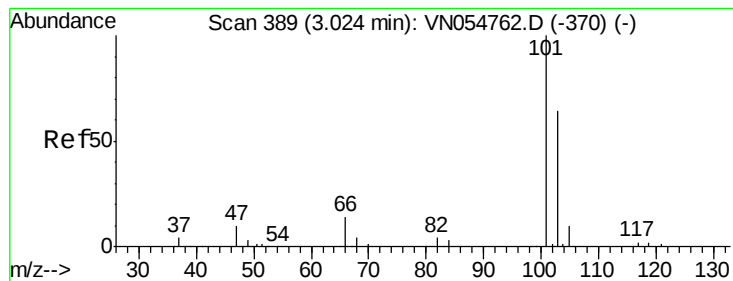
Tgt Ion: 64 Resp: 150253

Ion Ratio Lower Upper

64 100

66 31.5 25.7 38.5





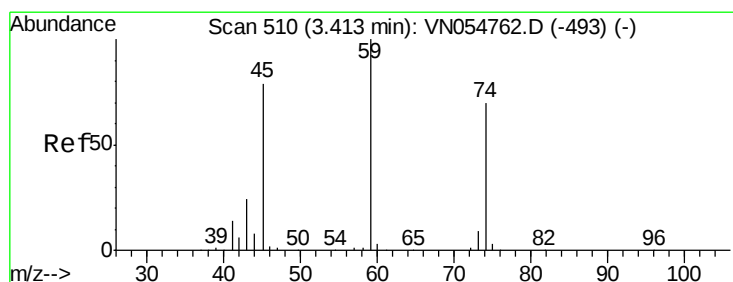
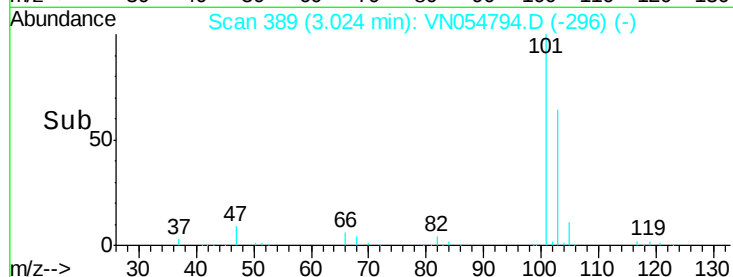
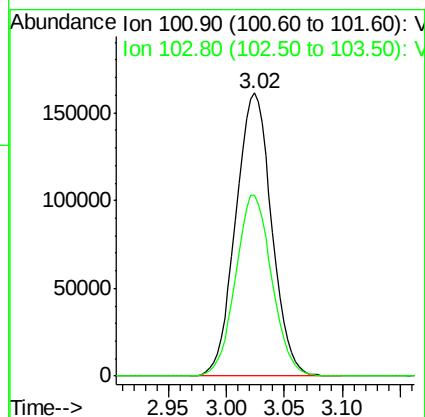
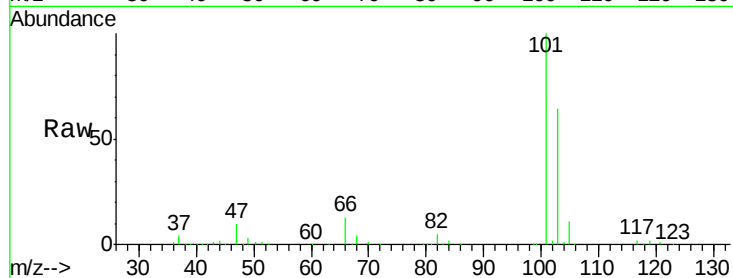
#7
 Trichlorofluoromethane
 Concen: 47.422 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 348153
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.4 77.2

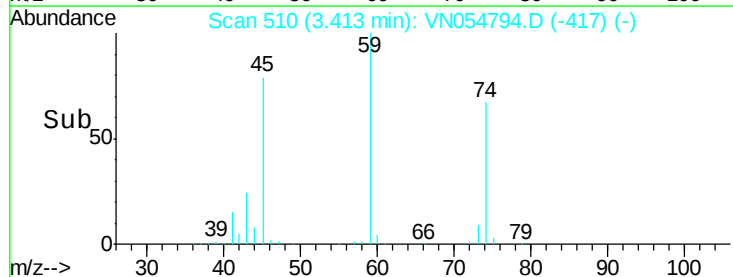
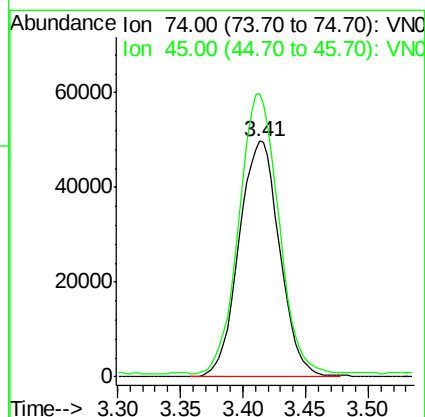
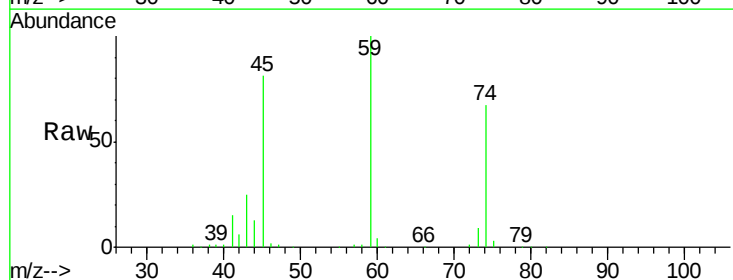
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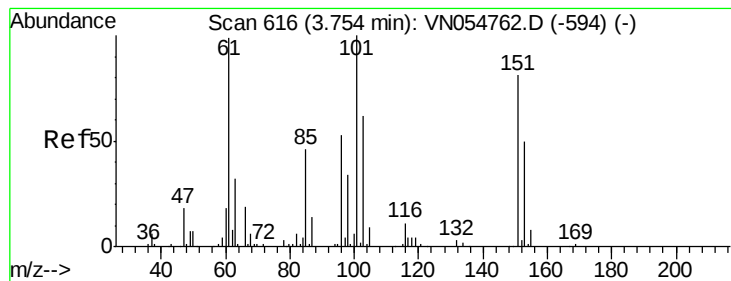
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#8
 Diethyl Ether
 Concen: 47.393 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

Tgt Ion: 74 Resp: 112036
 Ion Ratio Lower Upper
 74 100
 45 115.8 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.380 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054794.D

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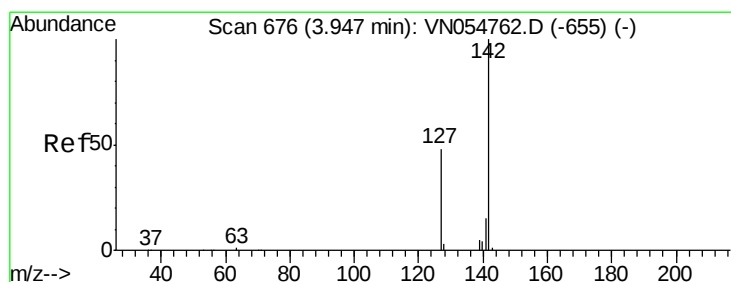
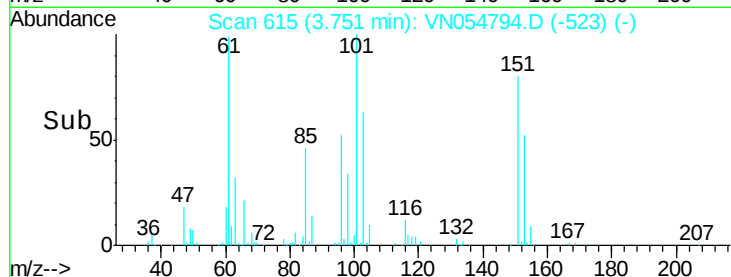
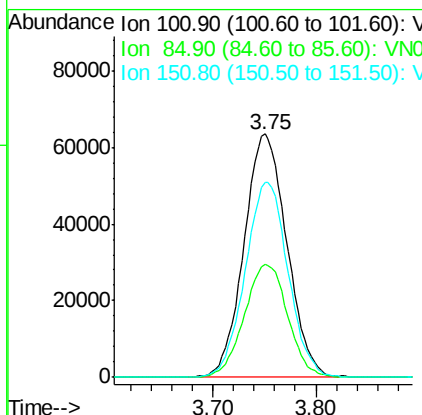
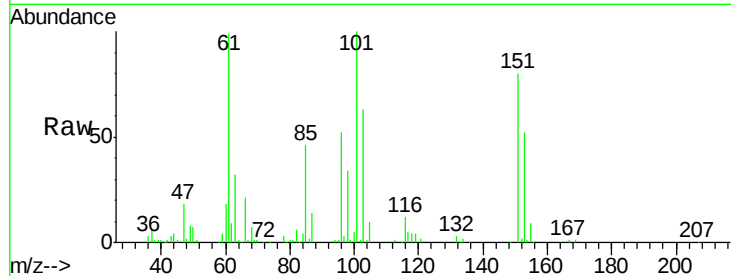
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	183115
Ion Ratio	Lower	Upper	
101	100		
85	47.0	32.4	48.6
151	80.1	68.2	102.2

Manual Integrations
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MMDadoda
4/1/2019 1:32:53 PM



#10

Methyl Iodide

Concen: 48.547 ug/l

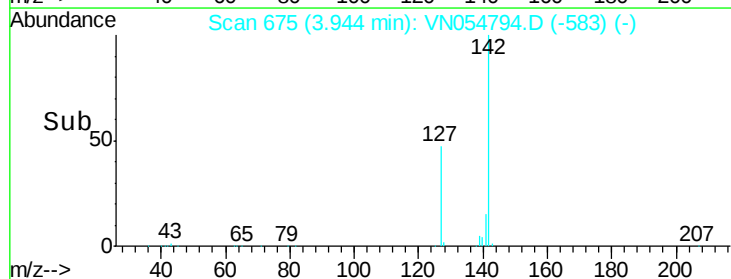
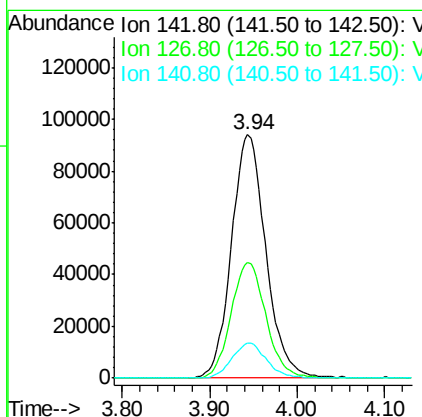
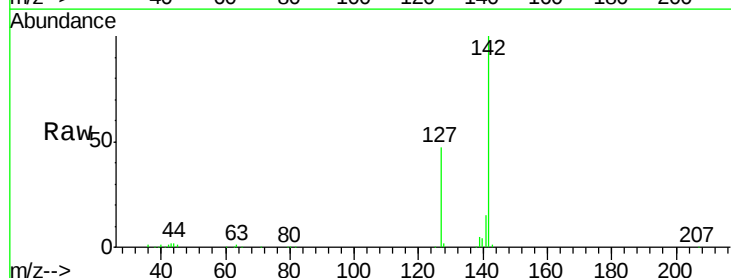
RT: 3.94 min Scan# 675

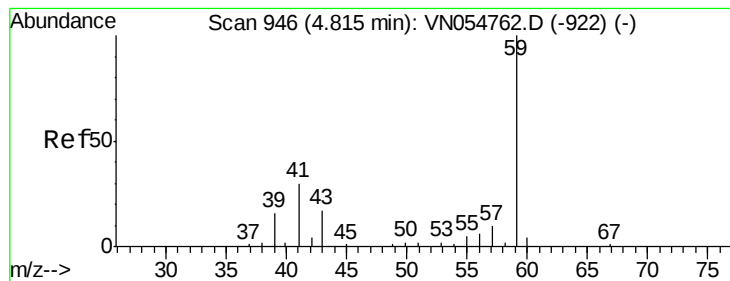
Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Tgt Ion:	142	Resp:	256852
Ion Ratio	Lower	Upper	
142	100		
127	48.2	30.3	45.5#
141	14.5	11.2	16.8





#11

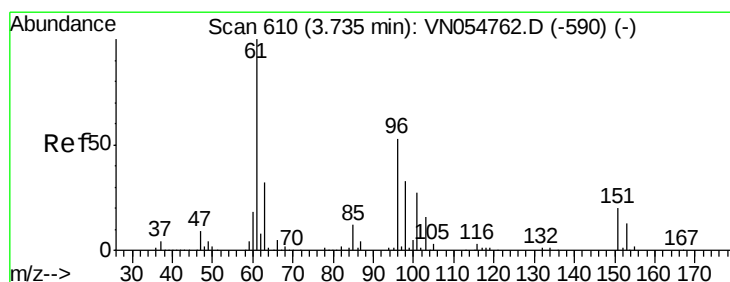
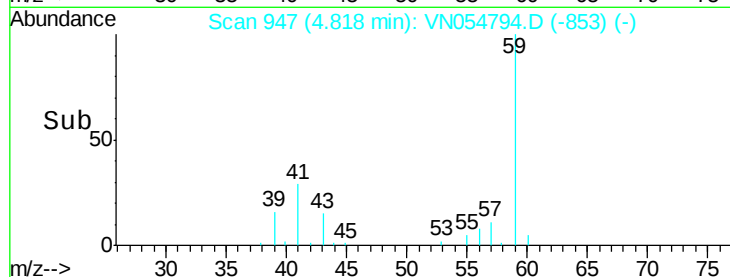
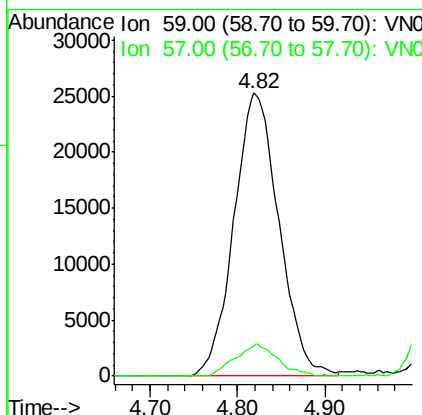
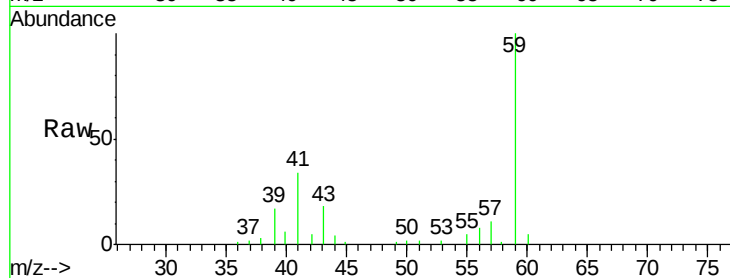
Tert butyl alcohol
Concen: 269.720 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	9.0	13.6

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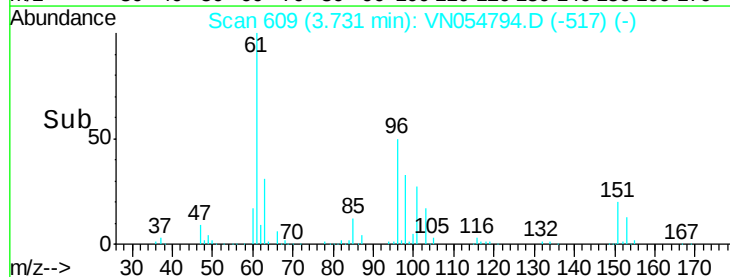
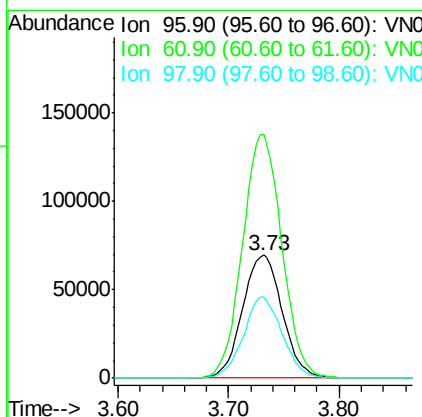
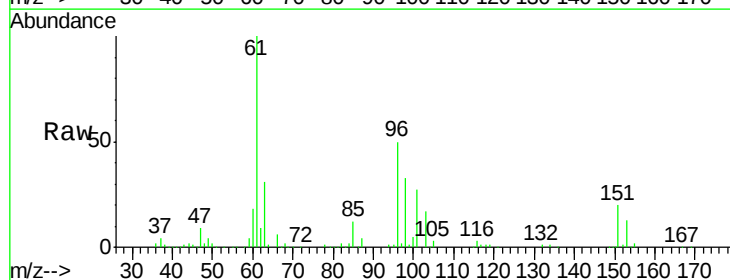
MMDadoda
4/1/2019 1:32:53 PM

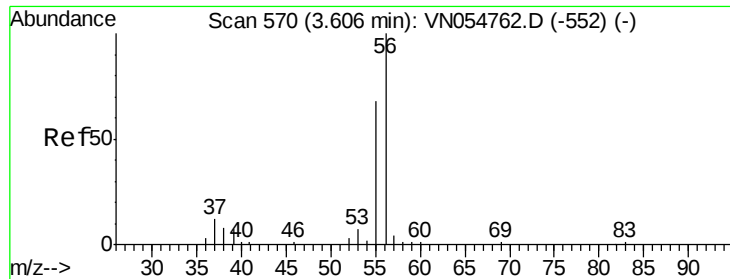


#12

1,1-Dichloroethene
Concen: 46.476 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	198.2	116.5	174.7#
98	66.2	51.0	76.4





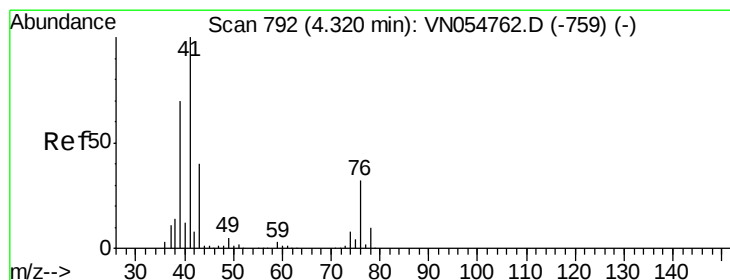
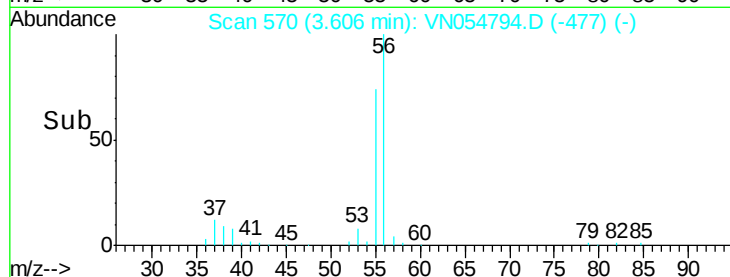
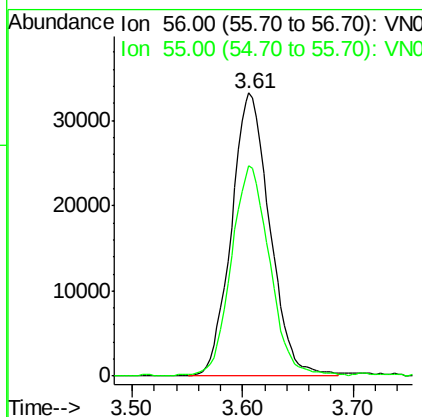
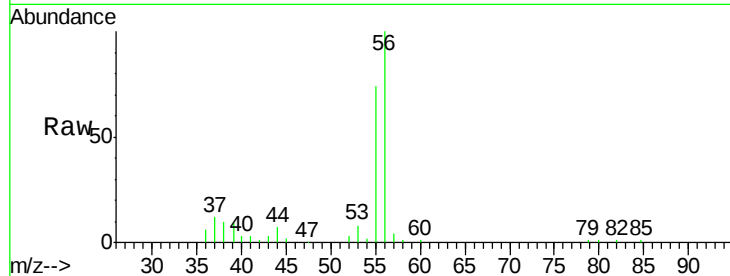
#13
Acrolein
Concen: 268.691 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	100	Resp	80213	Lower	Upper
56	100							
55	74.5				56.7		85.1	

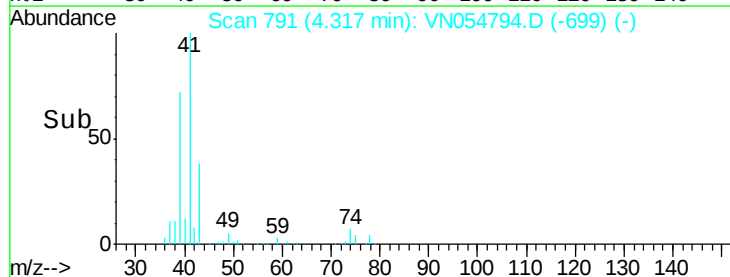
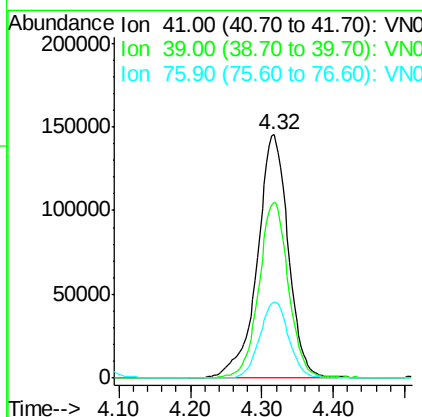
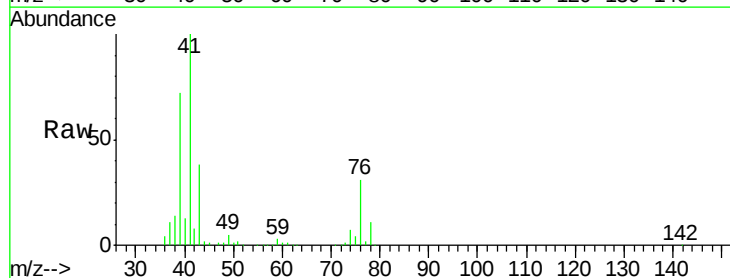
Manual Integrations
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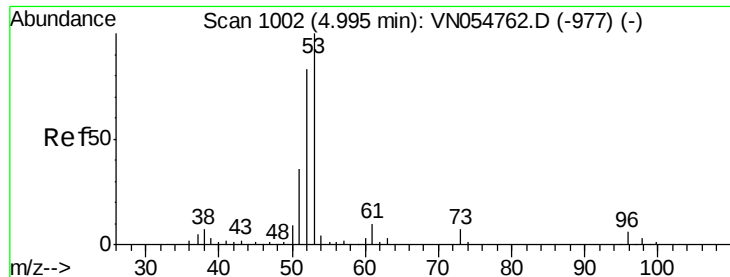
MMDadoda
4/1/2019 1:32:53 PM



#14
Allyl chloride
Concen: 47.412 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion	41	39	76	Ratio	100	Resp	436460	Lower	Upper
41	100								
39	69.2				58.2		87.4		
76	29.4				31.7		47.5#		





#15

Acrylonitrile

Concen: 257.767 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

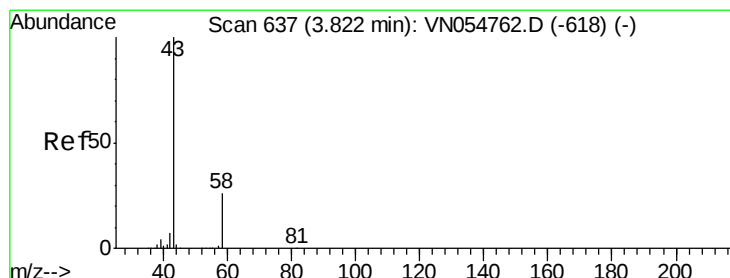
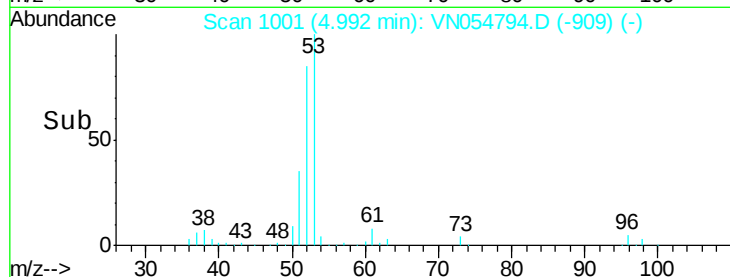
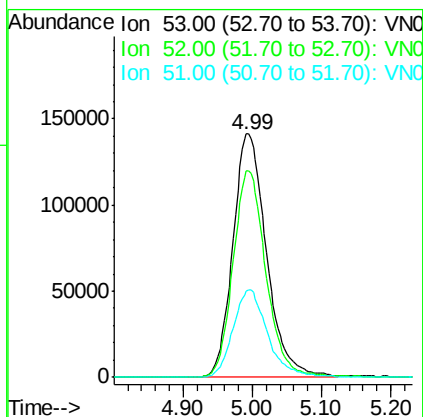
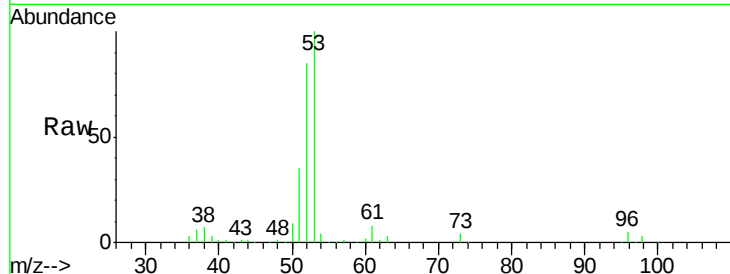
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	478445
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.4	99.6
51	37.0	29.6	44.4

Manual Integrations
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4/1/2019 1:32:53 PM



#16

Acetone

Concen: 299.685 ug/l

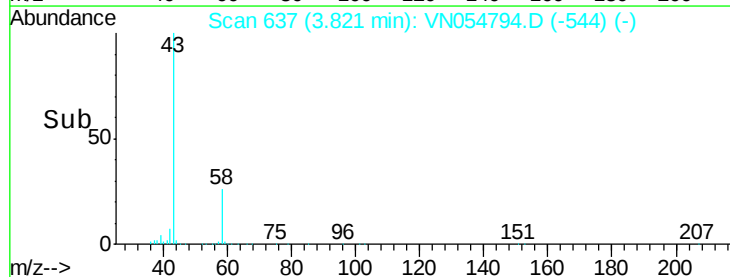
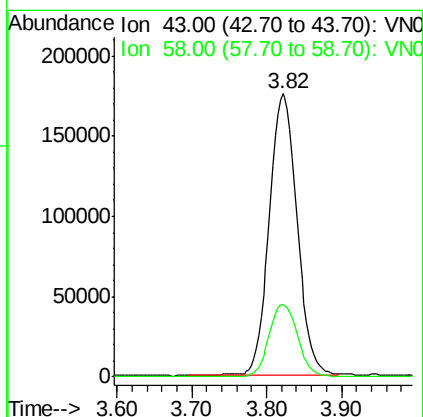
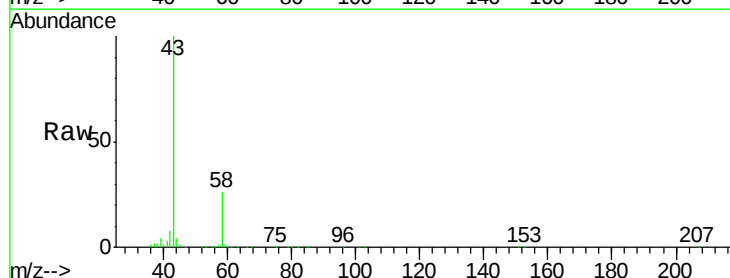
RT: 3.82 min Scan# 637

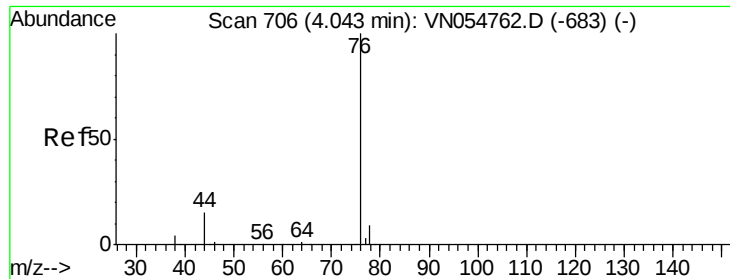
Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Tgt Ion:	43	Resp:	458036
Ion Ratio	Lower	Upper	
43	100		
58	25.8	29.9	44.9#





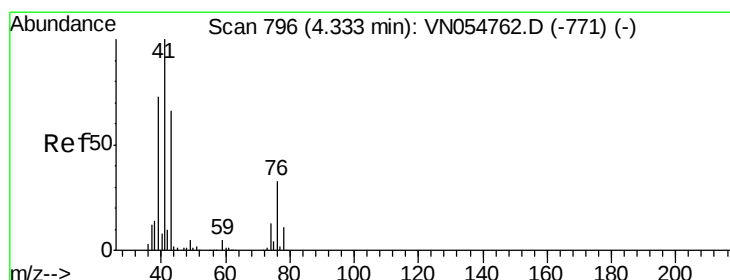
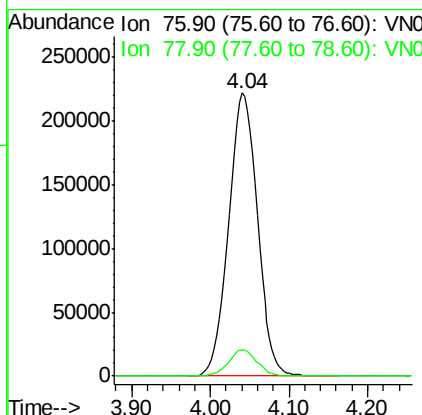
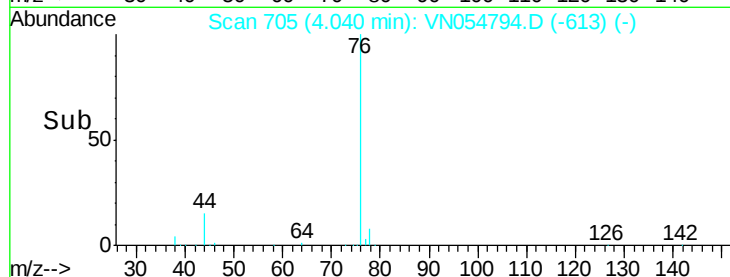
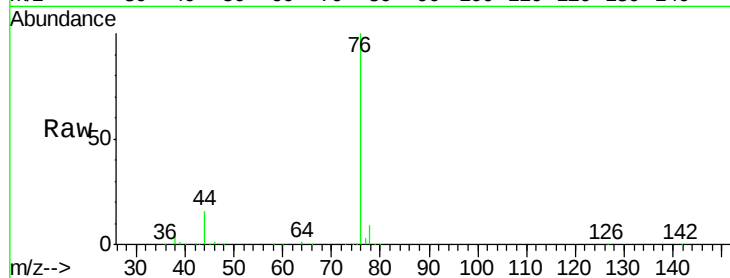
#17
Carbon Disulfide
Concen: 46.568 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.5	11.3

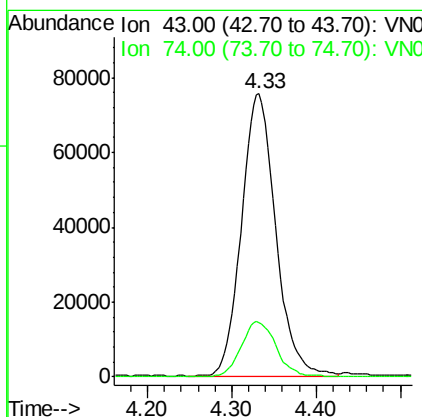
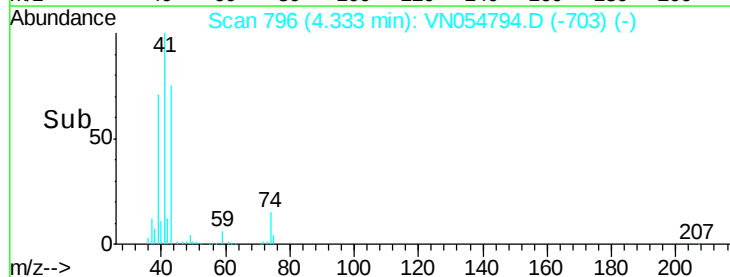
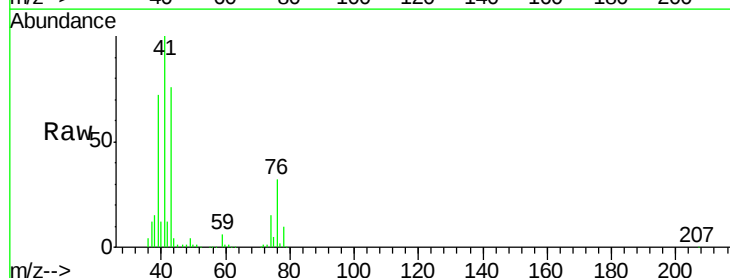
Manual Integrations
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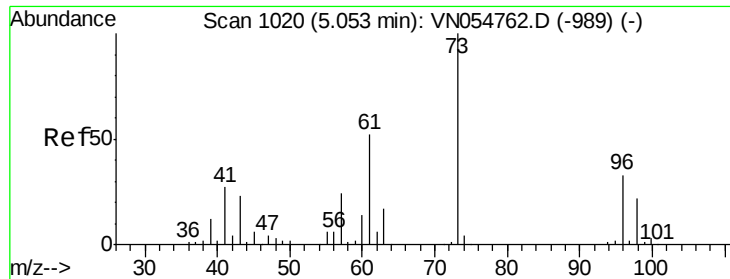
MMDadoda
4/1/2019 1:32:53 PM



#18
Methyl Acetate
Concen: 53.546 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

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





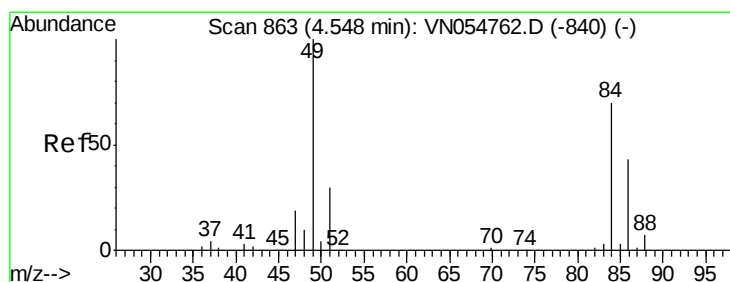
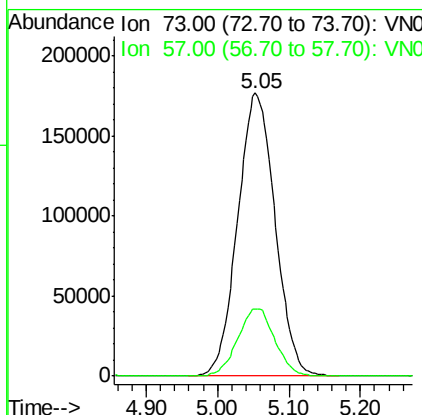
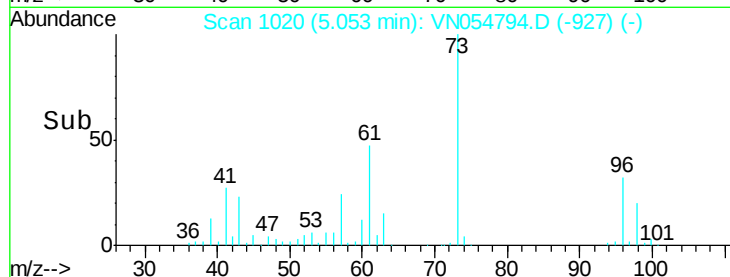
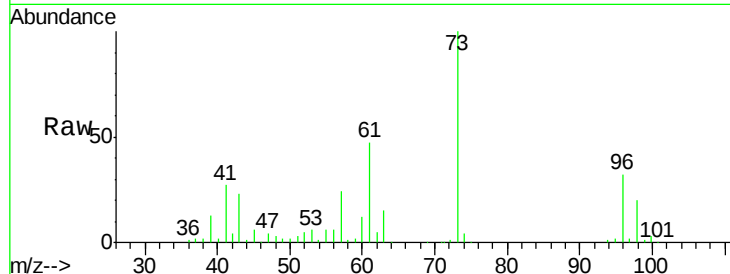
#19
Methvl tert-butvl Ether
Concen: 49.318 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 644749
Ion Ratio Lower Upper
73 100
57 23.7 16.8 25.2

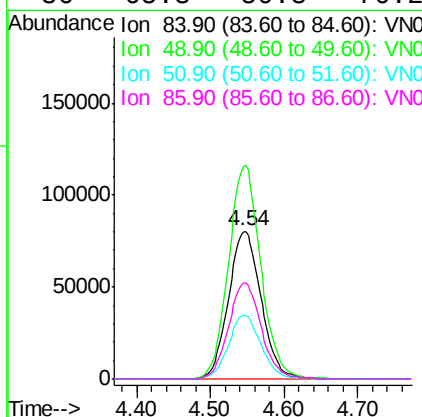
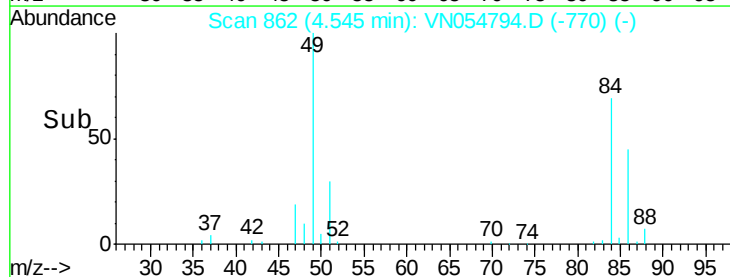
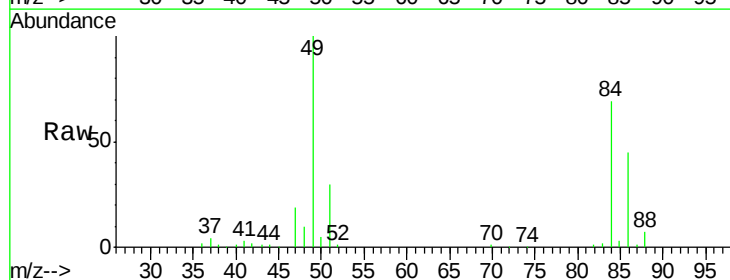
Manual Integrations
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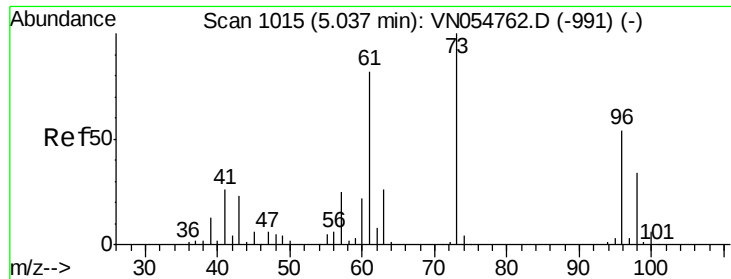
MMDadoda
4/1/2019 1:32:53 PM



#20
Methylene Chloride
Concen: 46.021 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion: 84 Resp: 248110
Ion Ratio Lower Upper
84 100
49 144.0 89.7 134.5#
51 43.1 28.2 42.4#
86 65.3 50.8 76.2





#21

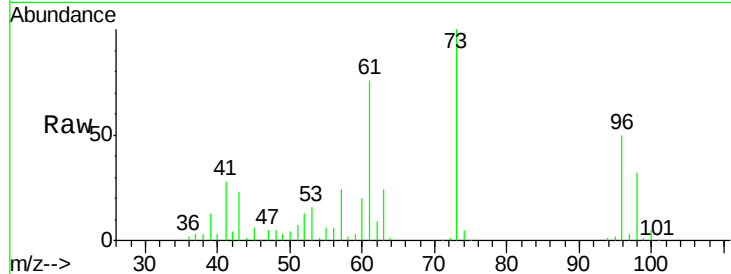
trans-1,2-Dichloroethene
Concen: 48.040 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.3	102.8	154.2
98	63.5	50.0	75.0

Manual Integrations
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4/1/2019 1:32:53 PM

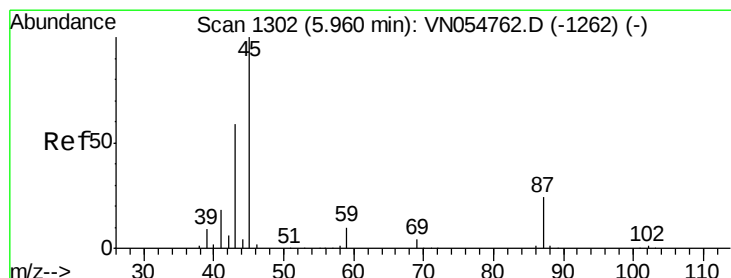
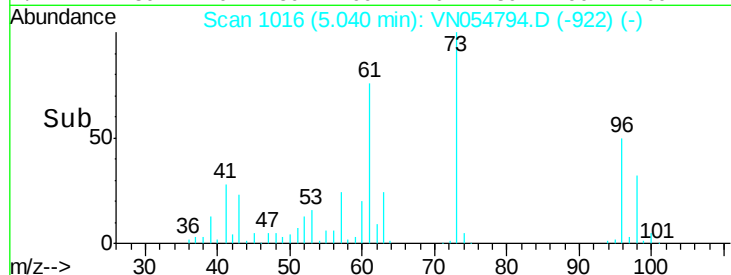
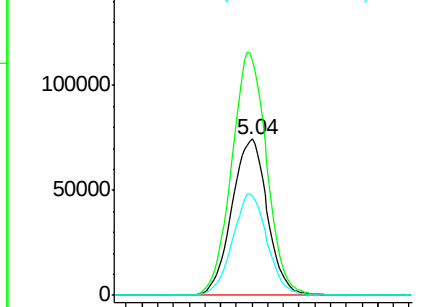


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether
Concen: 49.105 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.5	48.2	72.2
87	24.0	24.9	37.3
59	10.7	9.5	14.3

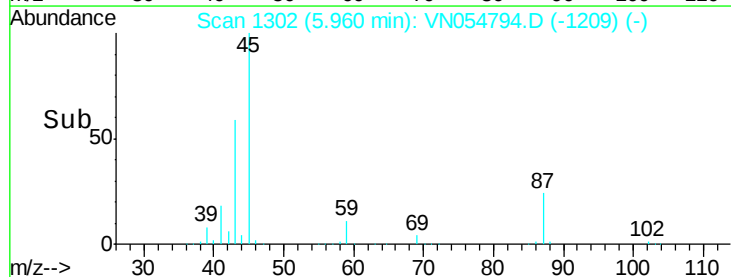
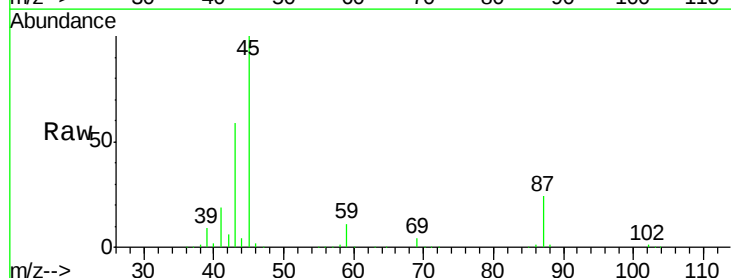
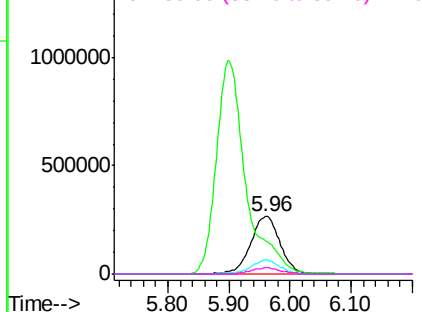
Abundance

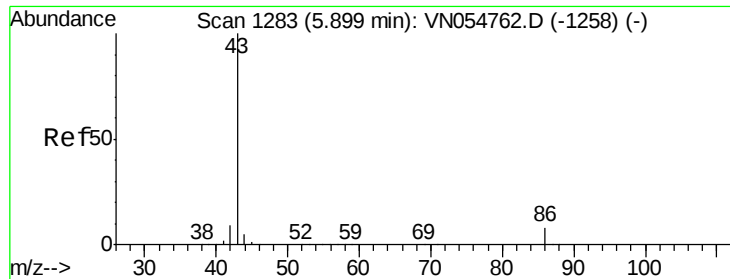
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 261.414 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3312240

Ion Ratio Lower Upper

43 100

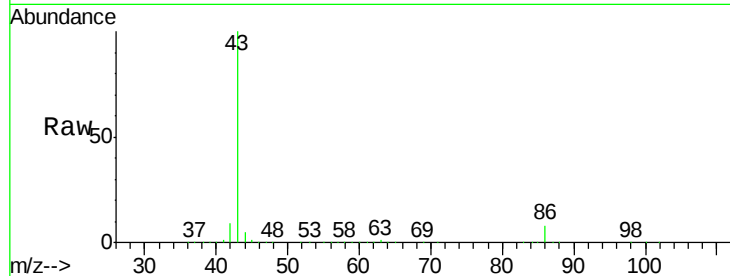
86 8.5 9.1 13.7#

Manual Integrations

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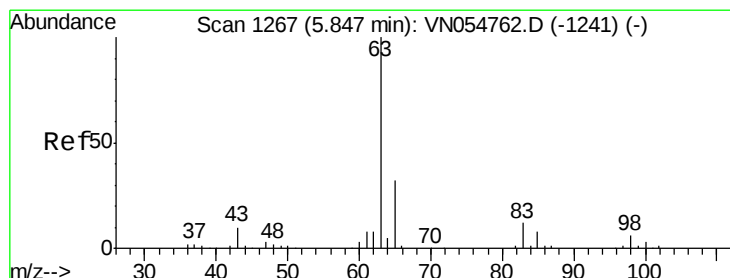
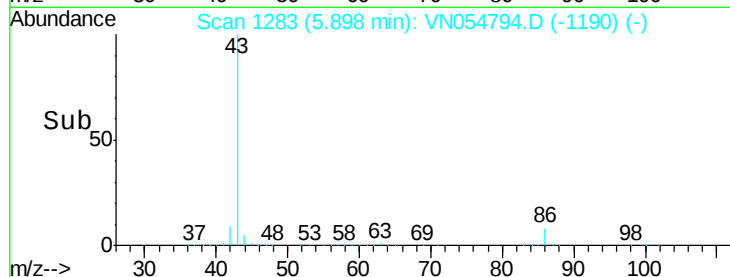
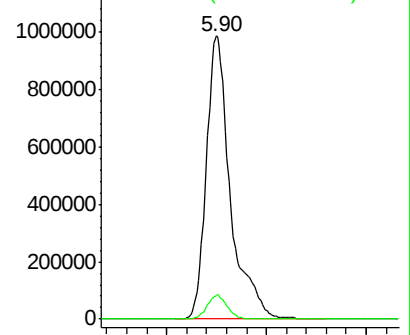
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.241 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

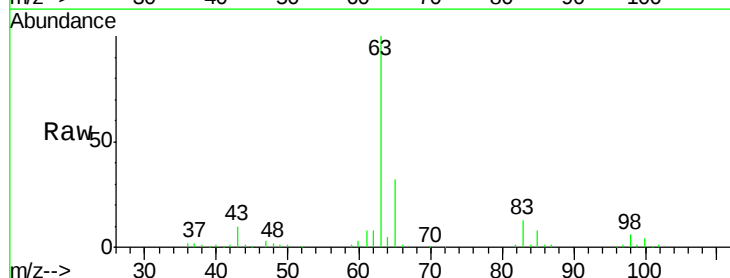
Tgt Ion: 63 Resp: 468535

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.5

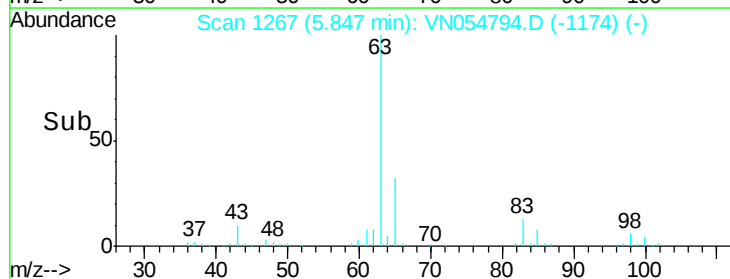
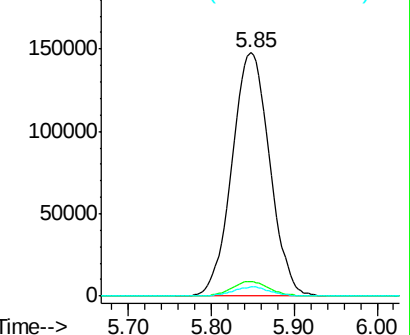
100 3.7 2.0 6.0

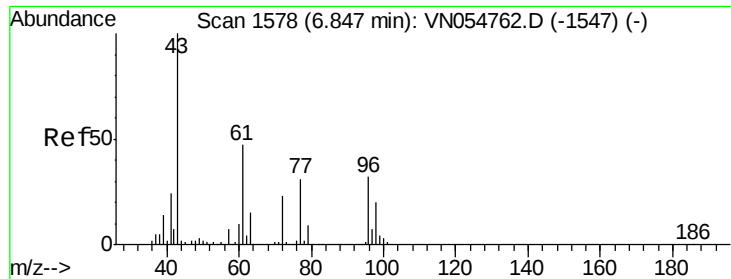


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 293.515 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 663124

Ion Ratio Lower Upper

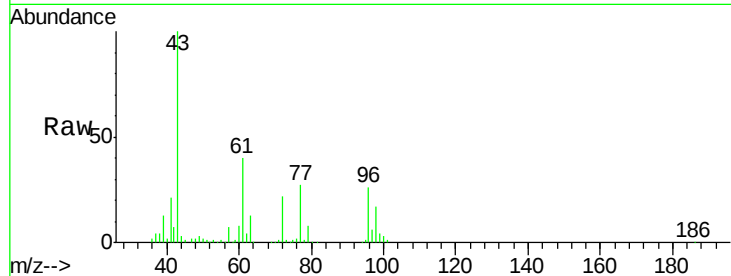
43 100

72 22.3 23.0 34.6#

Manual Integrations
APPROVED

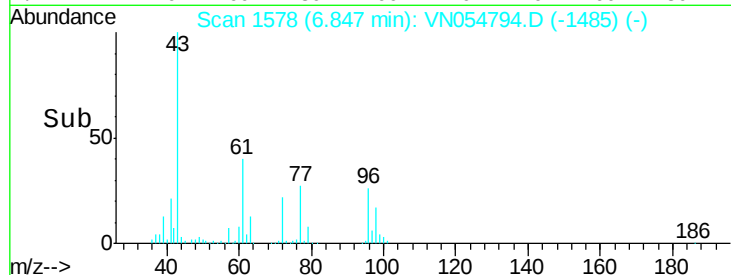
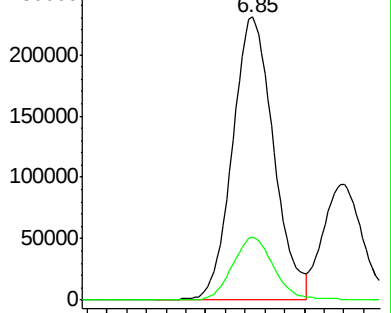
MMDadoda

4/1/2019 1:32:53 PM

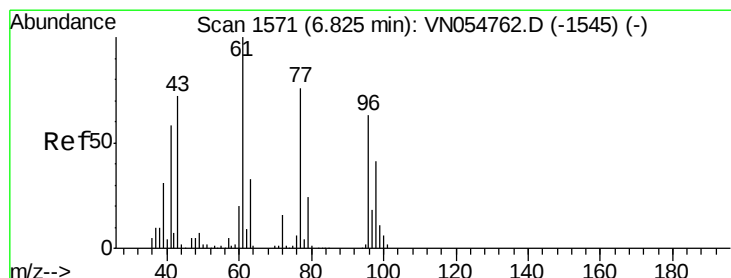


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#26

2,2-Dichloropropane

Concen: 50.618 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054794.D

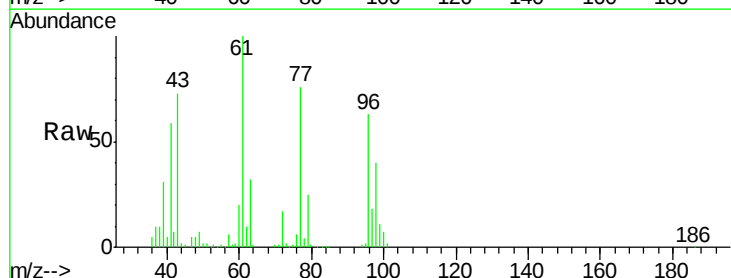
Acq: 30 Mar 2019 11:28

Tgt Ion: 77 Resp: 344577

Ion Ratio Lower Upper

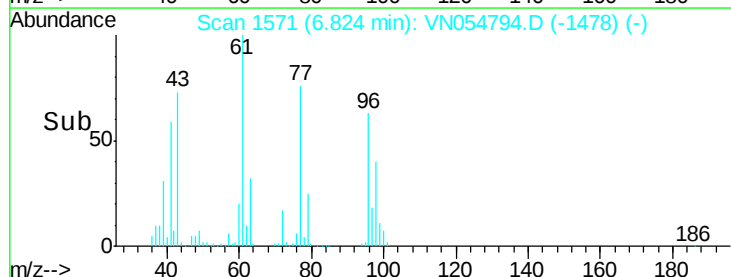
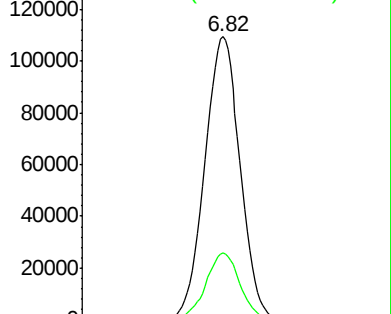
77 100

97 23.0 11.9 35.9

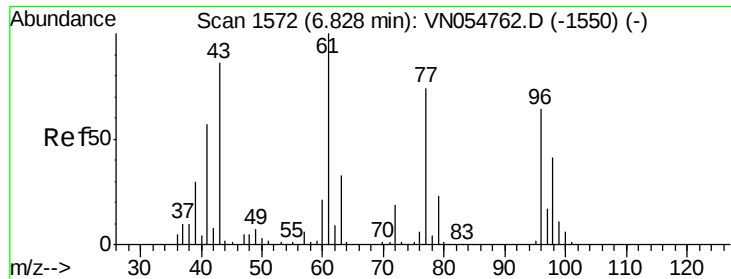


Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 48.305 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

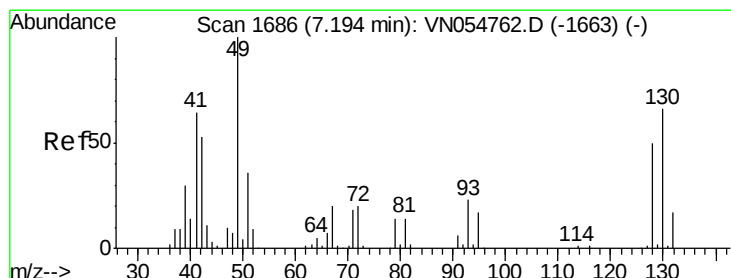
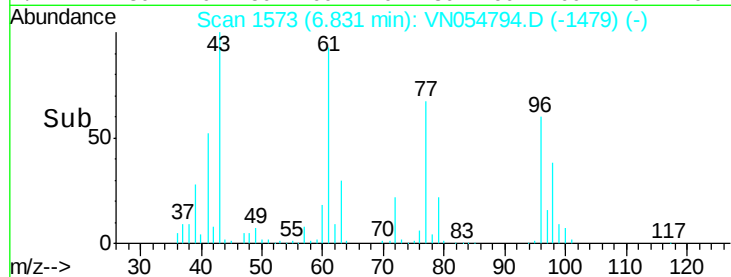
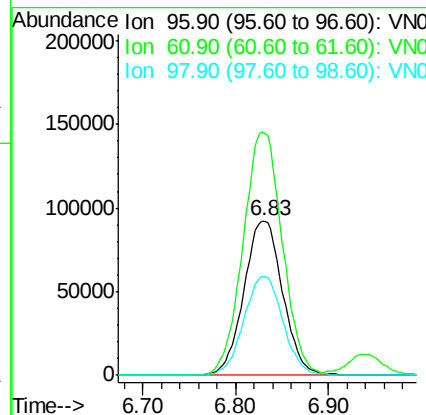
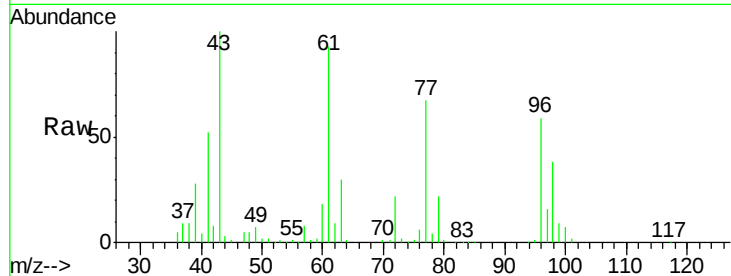
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	267877
Ion	Ratio	Lower	Upper
96	100		
61	159.4	0.0	273.0
98	64.7	0.0	130.6

Manual Integrations
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MMDadoda
4/1/2019 1:32:53 PM



#28

Bromochloromethane

Concen: 53.684 ug/l

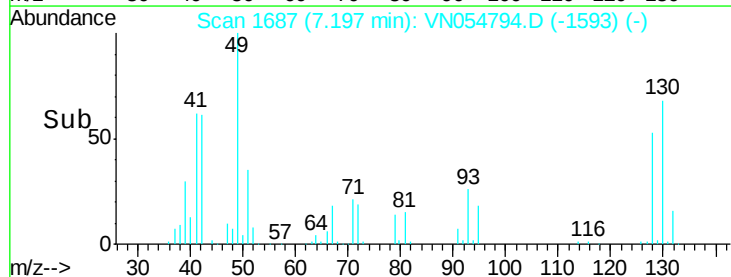
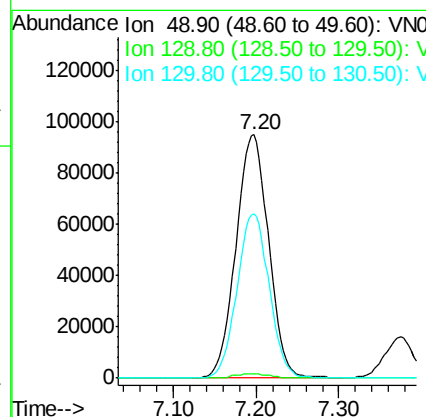
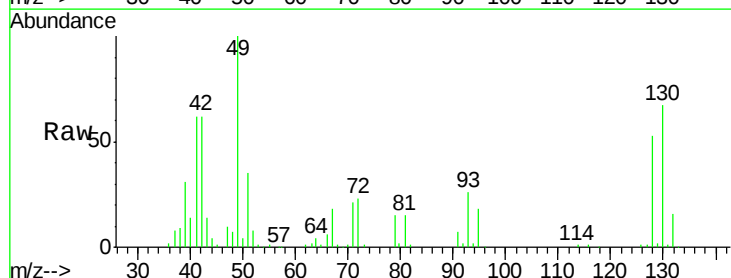
RT: 7.20 min Scan# 1687

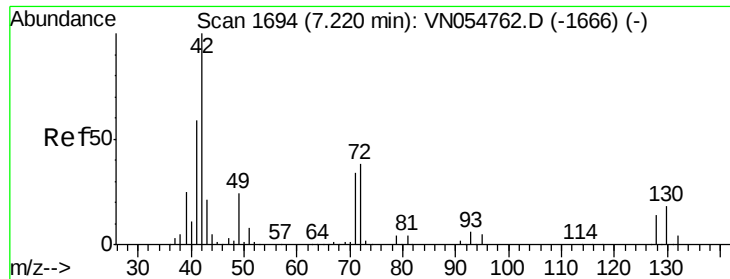
Delta R.T. 0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Tgt Ion:	49	Resp:	260722
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	66.5	76.7	115.1#





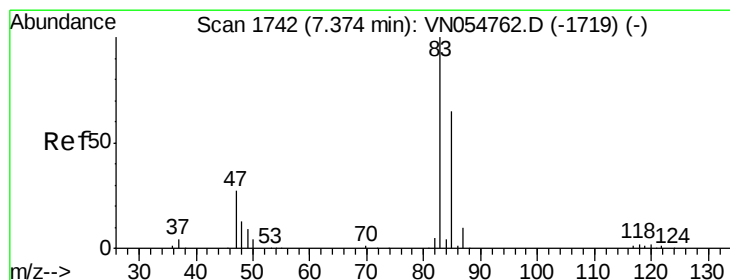
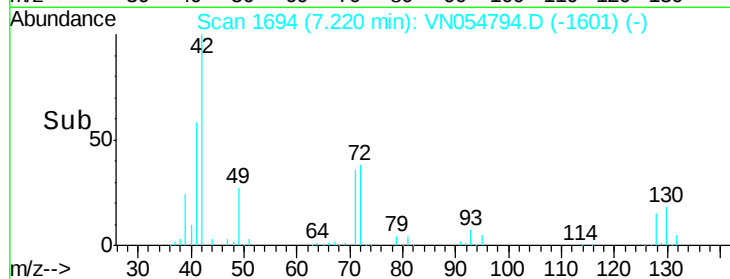
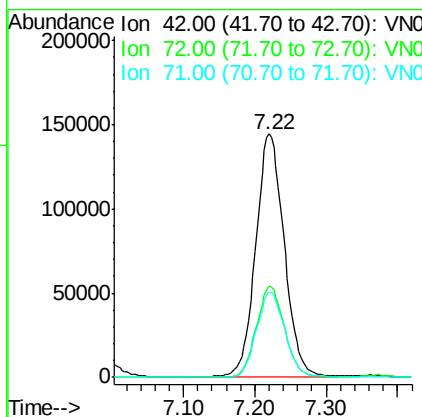
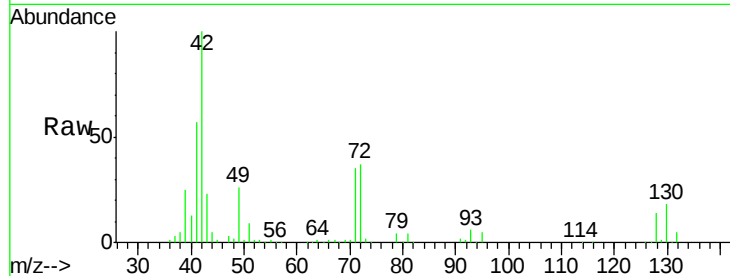
#29
Tetrahydrofuran
Concen: 253.935 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.1	37.8	56.6#
71	34.8	36.2	54.2#

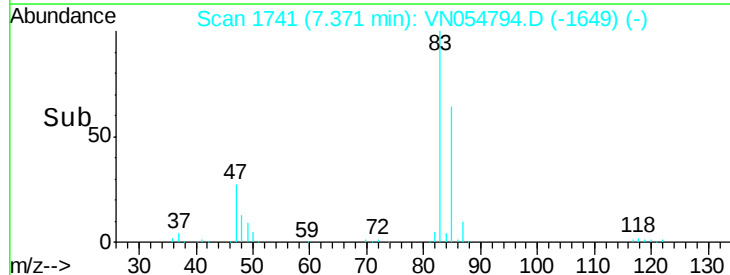
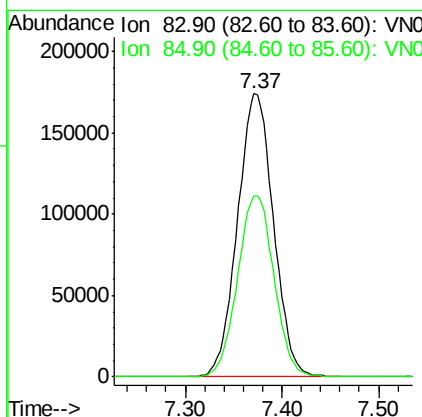
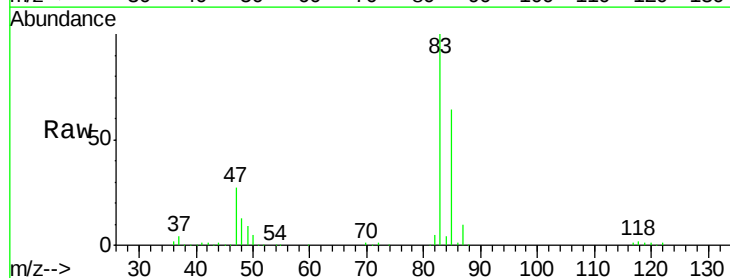
Manual Integrations
APPROVED

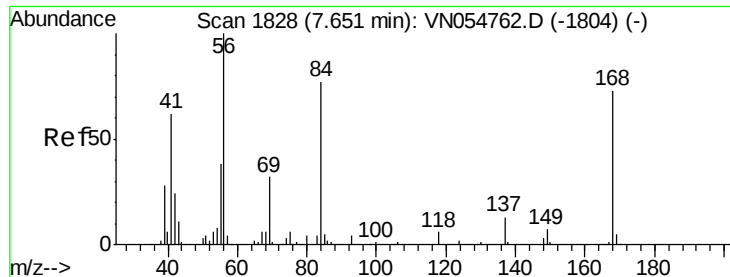
MMDadoda
4/1/2019 1:32:53 PM



#30
Chloroform
Concen: 48.520 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.2	78.4





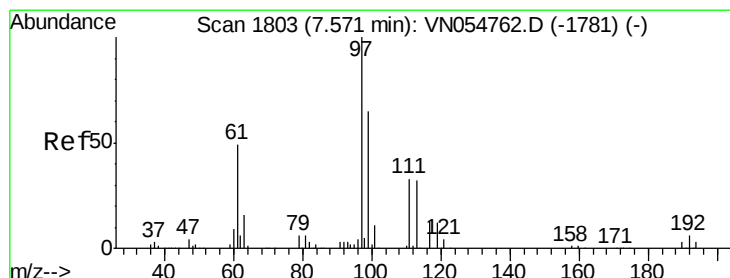
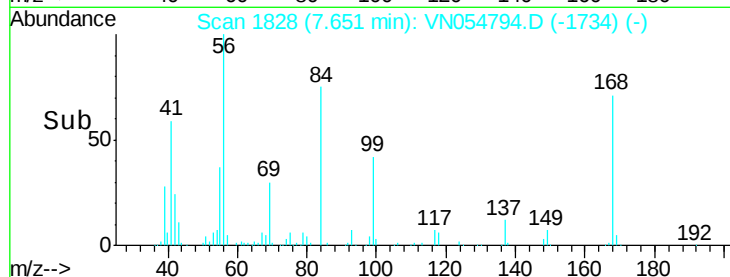
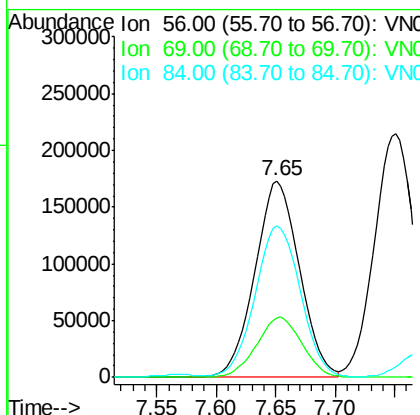
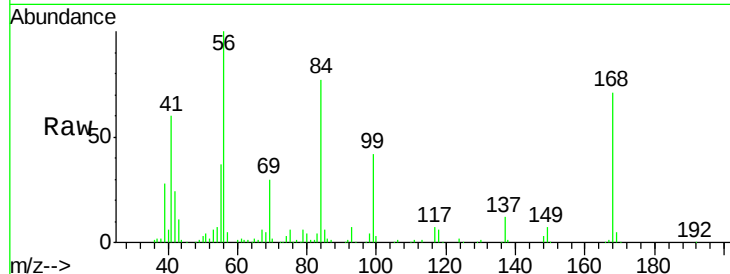
#31
Cvclohexane
Concen: 50.752 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	27.8	41.6
84	75.7	74.6	111.8

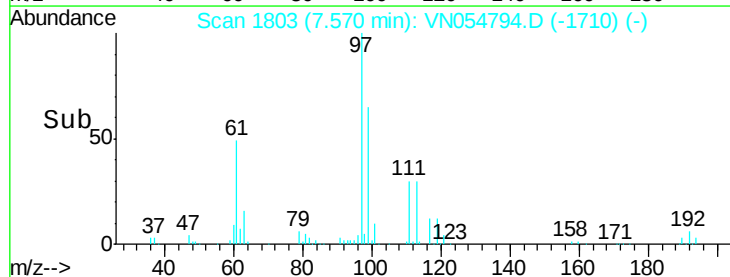
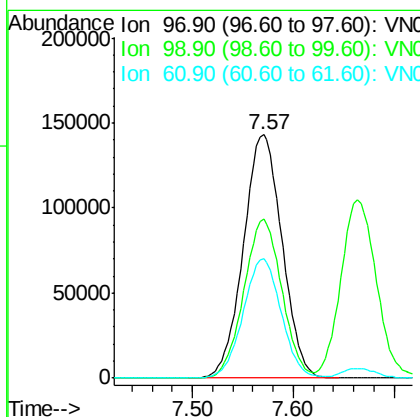
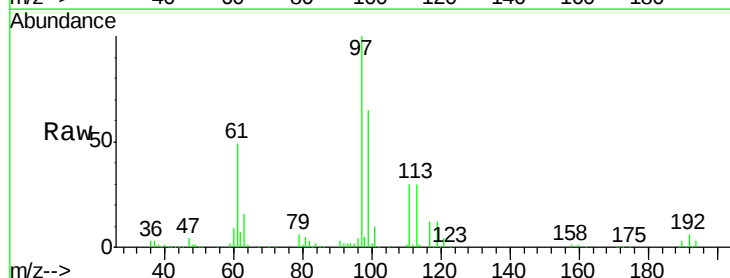
Manual Integrations
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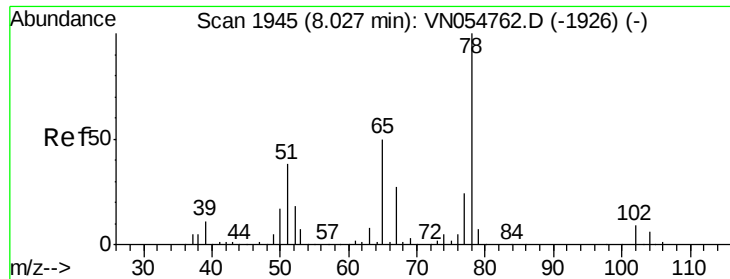
MMDadoda
4/1/2019 1:32:53 PM



#32
1,1,1-Trichloroethane
Concen: 49.615 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.5	77.3
61	48.2	33.6	50.4





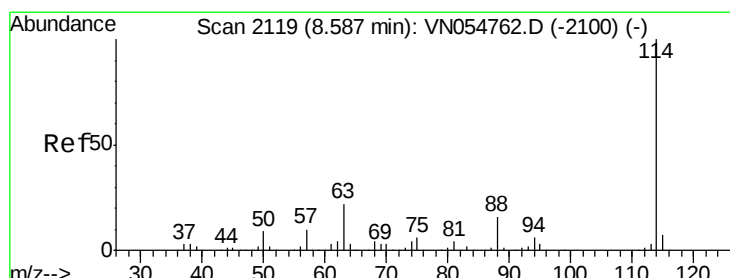
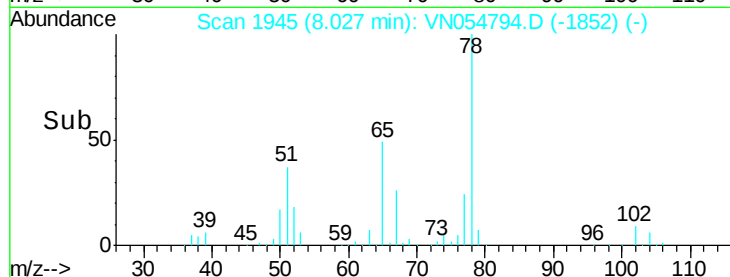
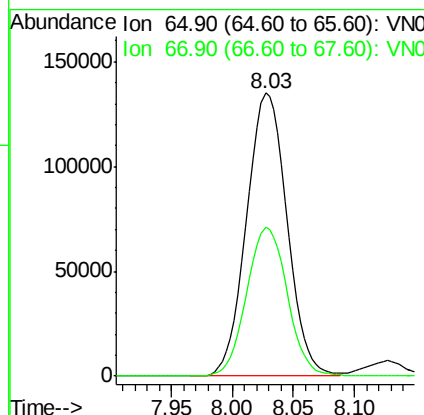
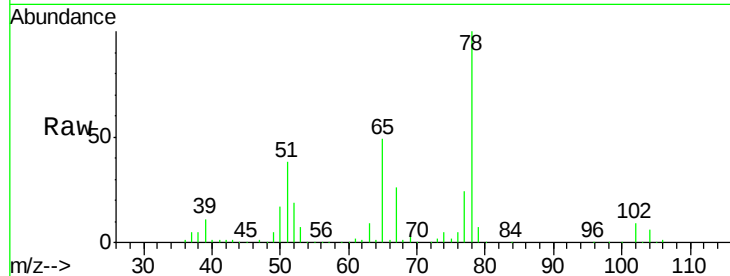
#33
 1,2-Dichloroethane-d4
 Concen: 48.505 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.8	0.0	104.6	

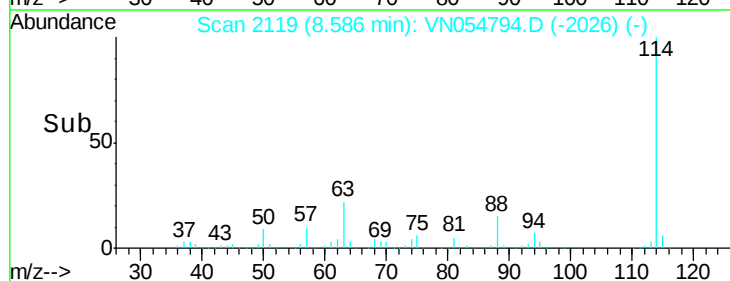
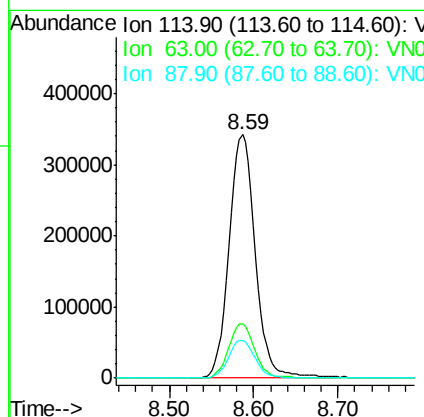
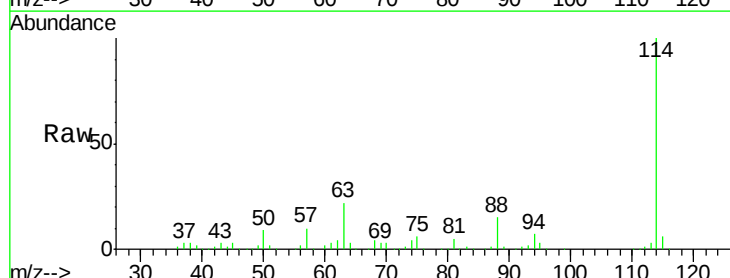
Manual Integrations
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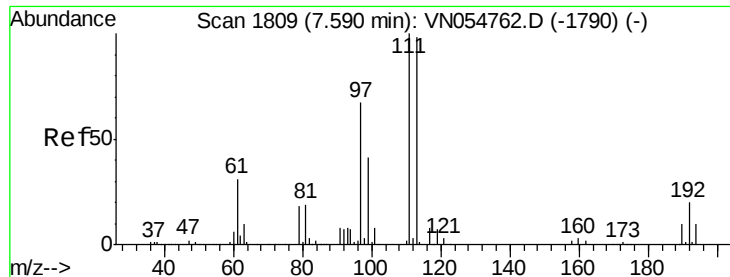
MMDadoda
 4/1/2019 1:32:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.2	0.0	35.2	
88	15.5	0.0	30.2	





#35

Dibromofluoromethane

Concen: 49.355 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

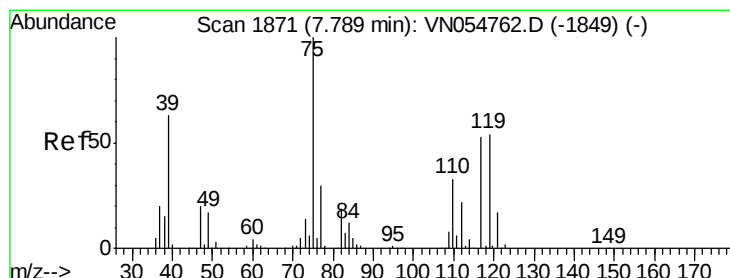
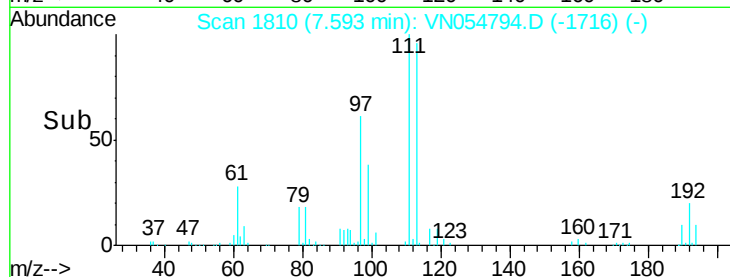
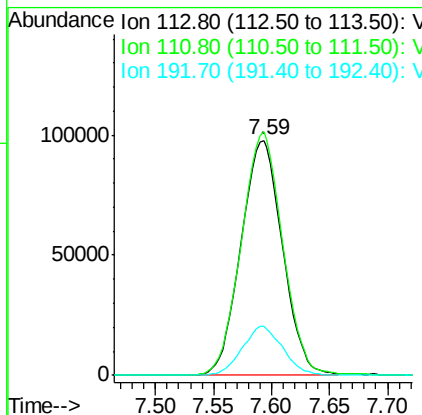
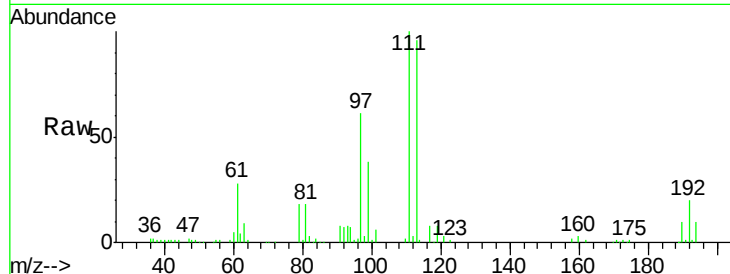
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	243915
Ion Ratio	Lower	Upper	
113	100		
111	103.5	82.2	123.4
192	20.5	19.2	28.8

Manual Integrations
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4/1/2019 1:32:53 PM



#36

1,1-Dichloropropene

Concen: 49.917 ug/l

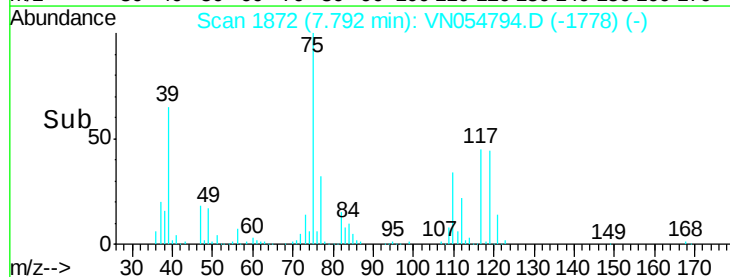
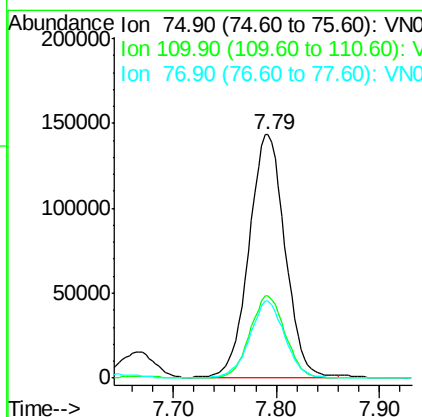
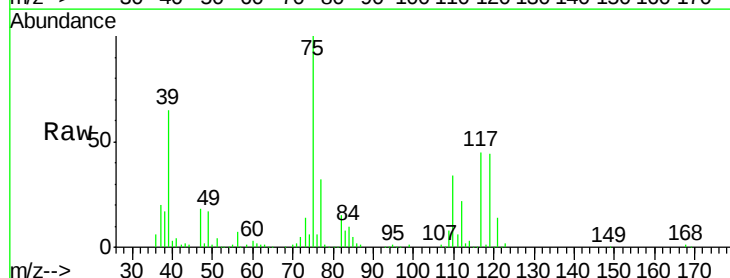
RT: 7.79 min Scan# 1872

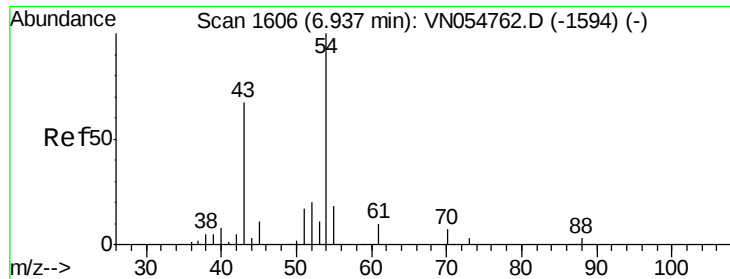
Delta R.T. 0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Tgt Ion:	75	Resp:	344788
Ion Ratio	Lower	Upper	
75	100		
110	33.7	19.1	57.5
77	31.3	25.0	37.4





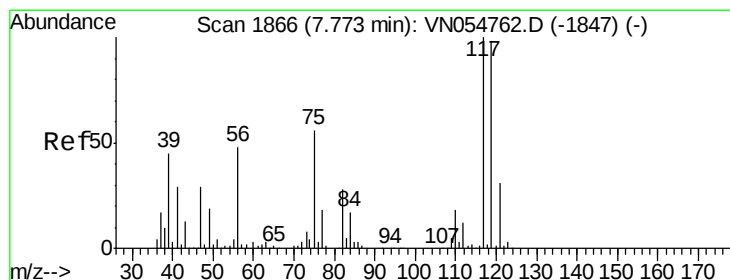
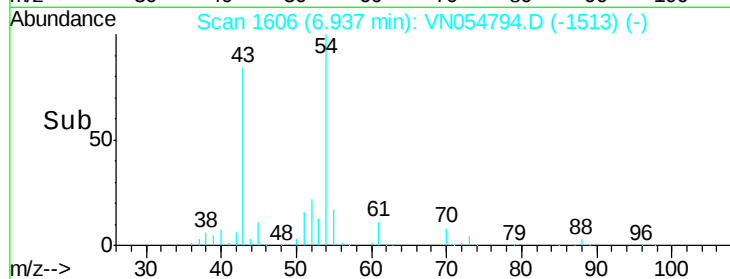
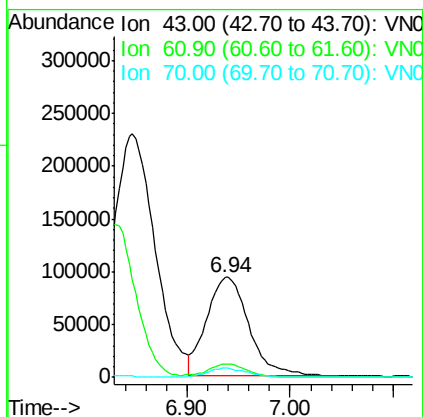
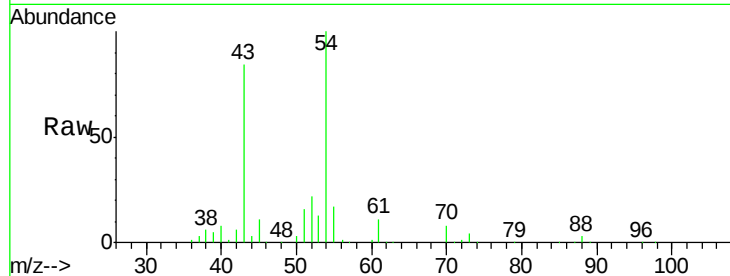
#37
Ethyl Acetate
Concen: 52.413 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	11.8	17.6
70	9.0	8.4	12.6

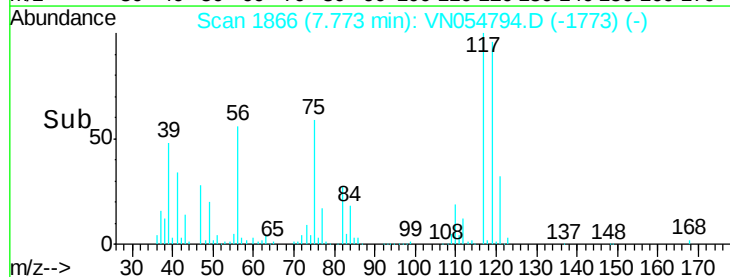
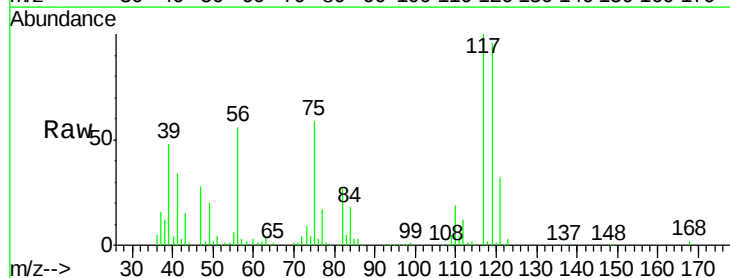
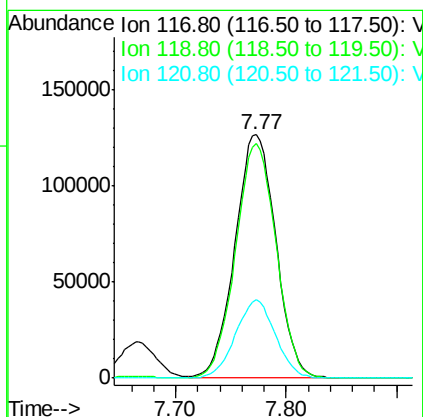
Manual Integrations
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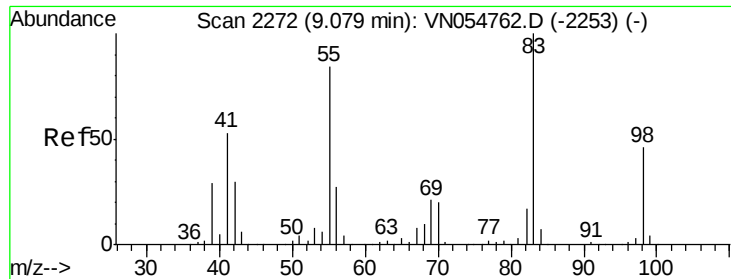
MMDadoda
4/1/2019 1:32:53 PM



#38
Carbon Tetrachloride
Concen: 48.424 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.3	114.5
121	32.1	24.6	36.8





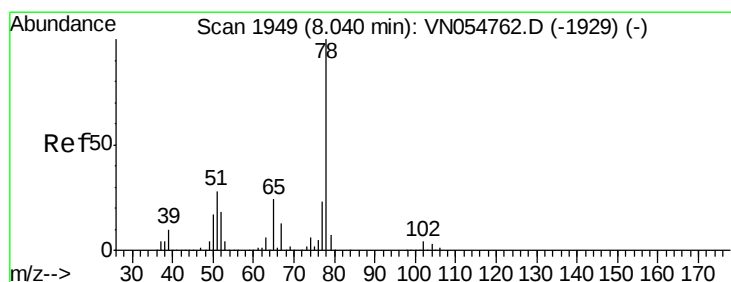
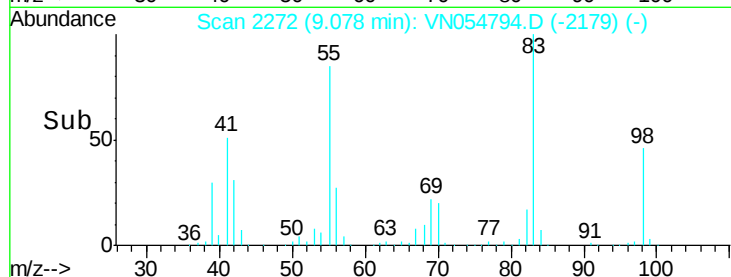
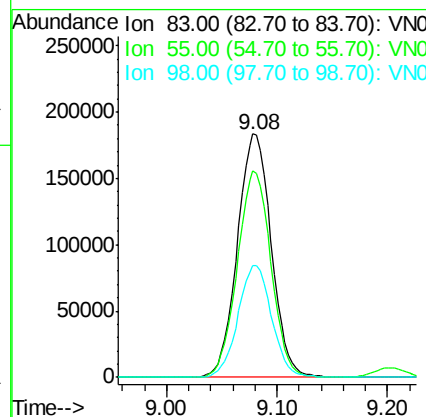
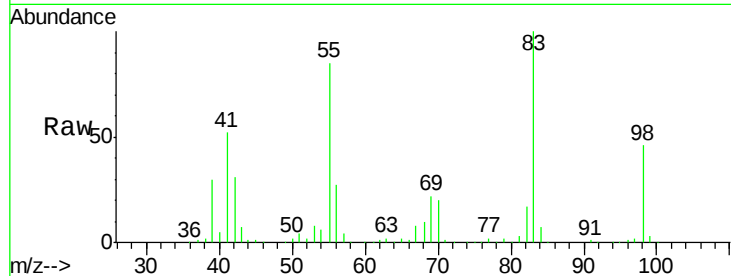
#39
Methvlcvclohexane
Concen: 51.466 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	84.8	56.6	84.8	
98	45.8	38.4	57.6	

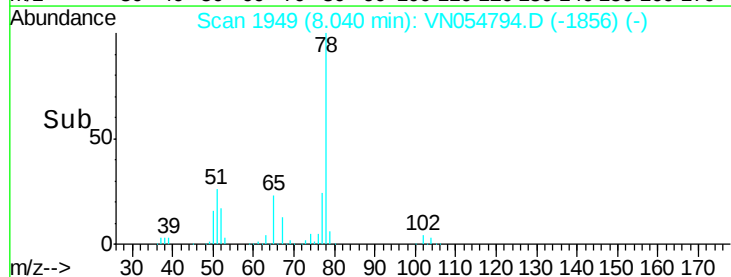
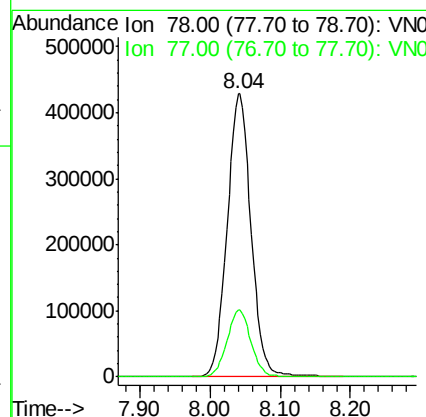
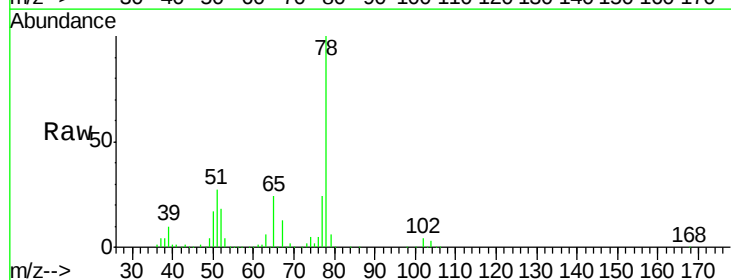
Manual Integrations
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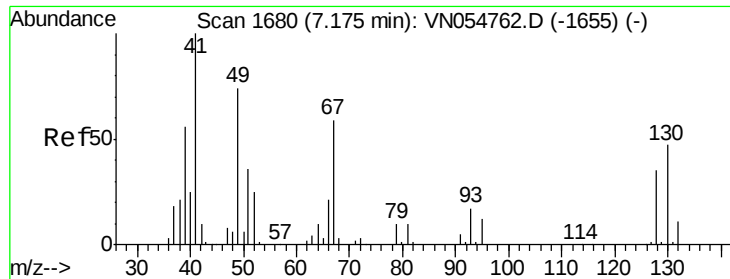
MMDadoda
4/1/2019 1:32:53 PM



#40
Benzene
Concen: 51.237 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	19.1	28.7	





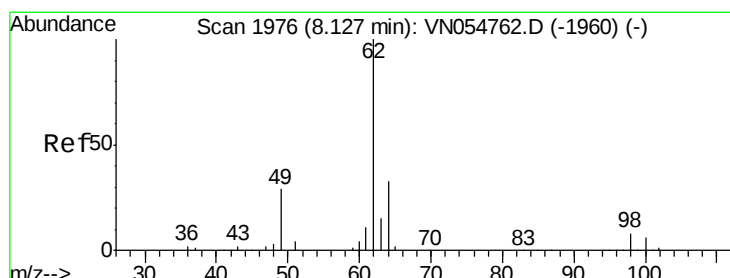
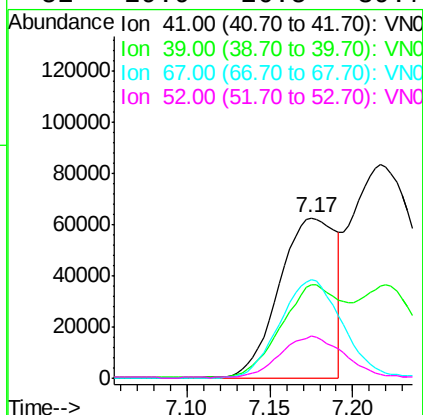
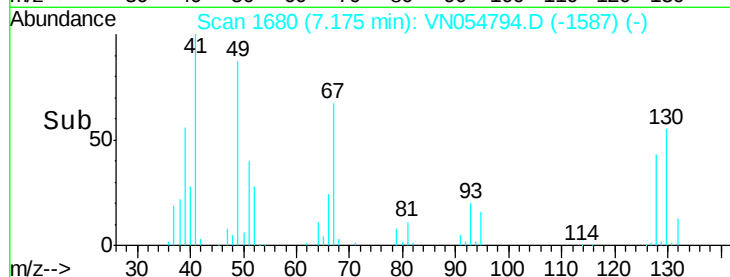
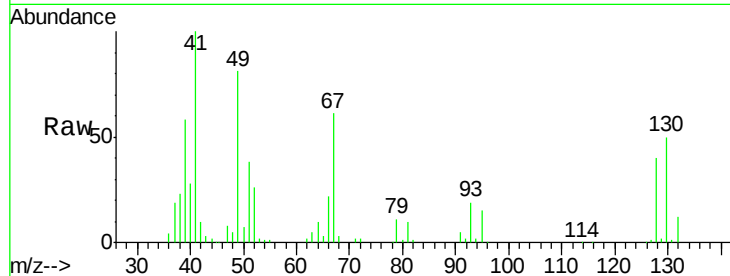
#41
Methacrylonitrile
Concen: 51.956 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.6	46.8	70.2	
67	69.7	67.0	100.4	
52	29.9	26.5	39.7	

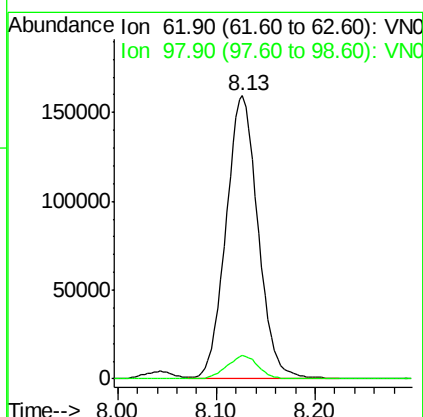
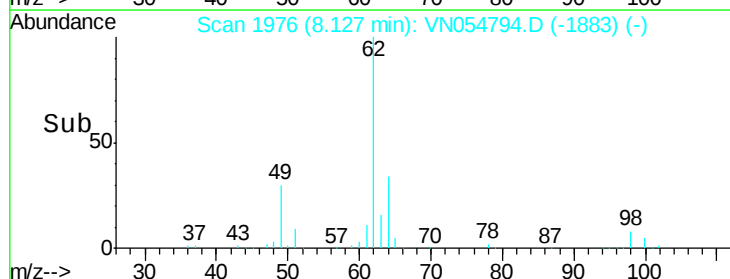
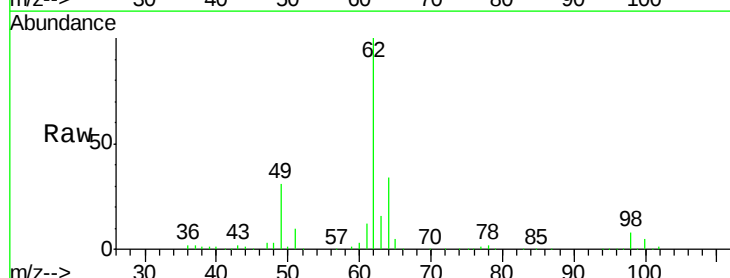
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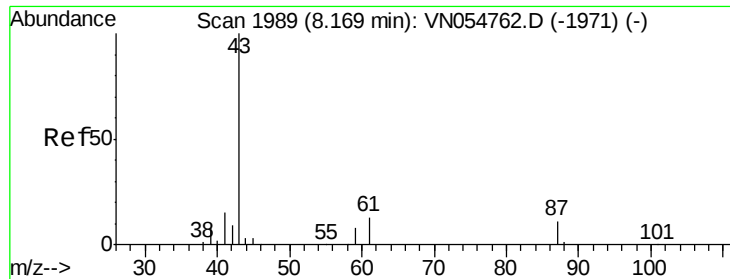
MMDadoda
4/1/2019 1:32:53 PM



#42
1,2-Dichloroethane
Concen: 51.071 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	18.4	





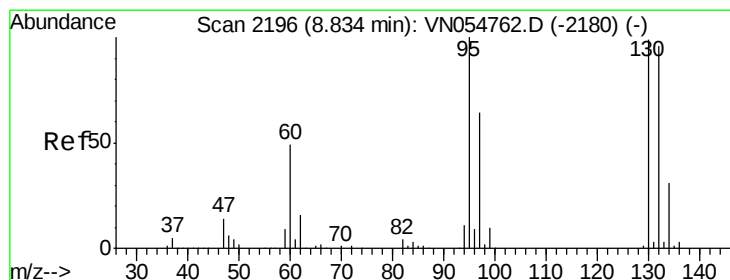
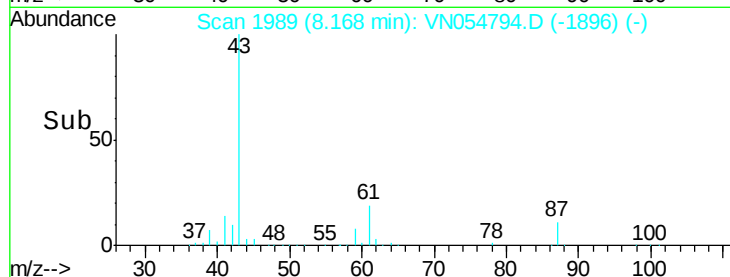
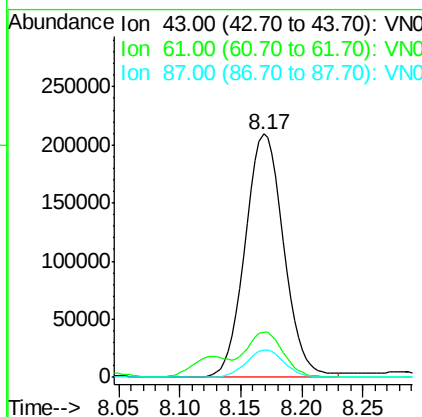
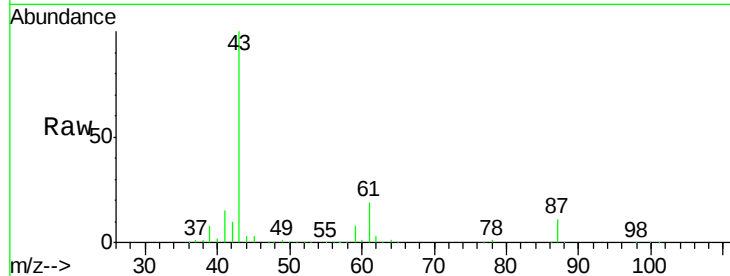
#43
Isopropyl Acetate
Concen: 55.432 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	15.8	23.8
87	11.1	12.0	18.0

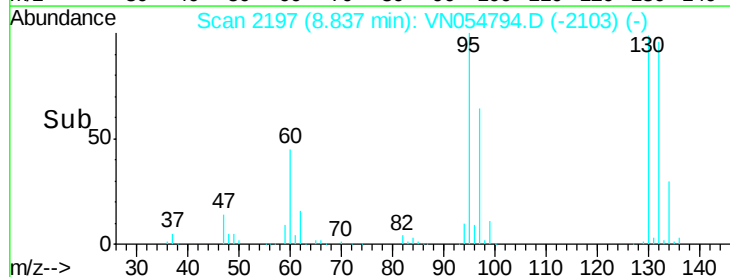
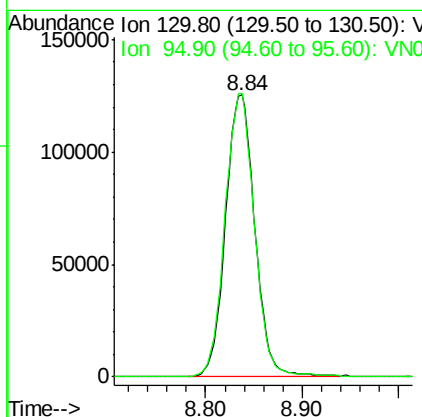
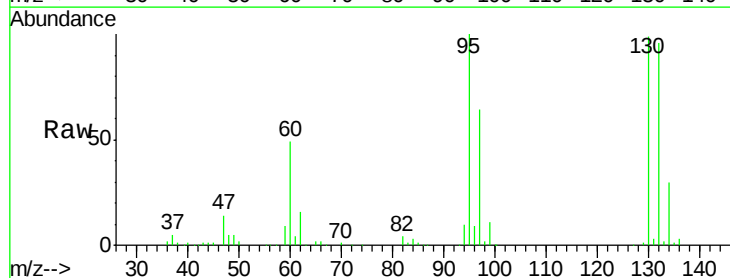
Manual Integrations
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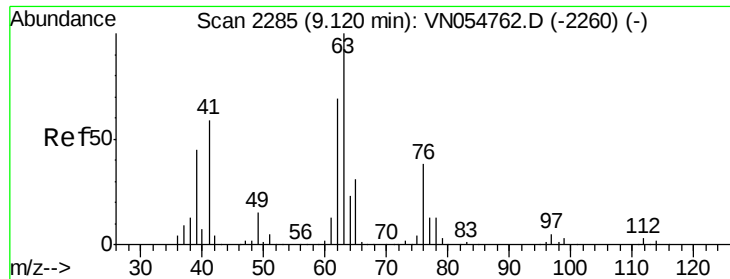
MMDadoda
4/1/2019 1:32:53 PM



#44
Trichloroethene
Concen: 51.480 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	185.2





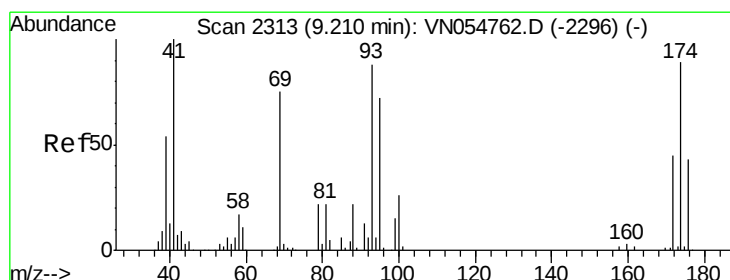
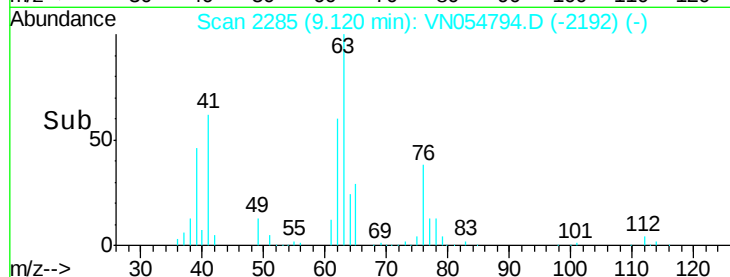
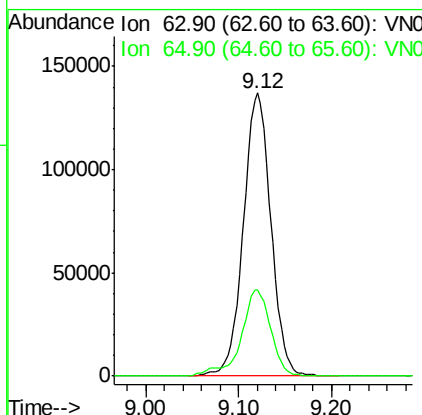
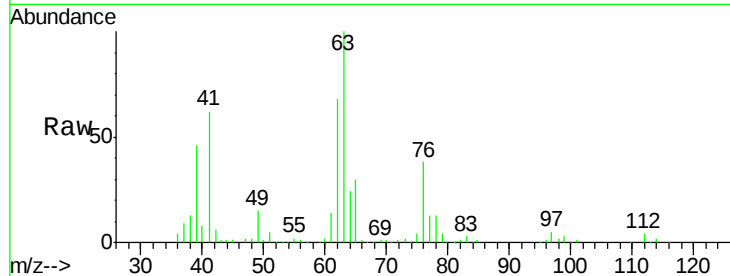
#45
 1,2-Dichloropropane
 Concen: 50.161 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 282688
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6

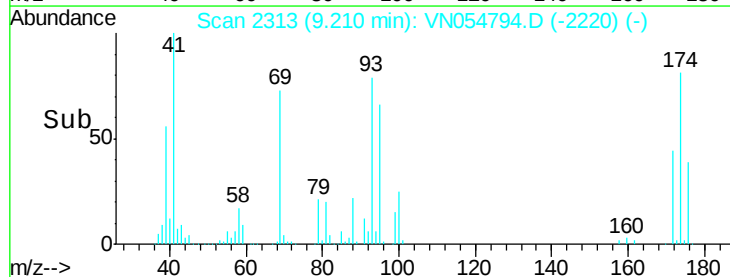
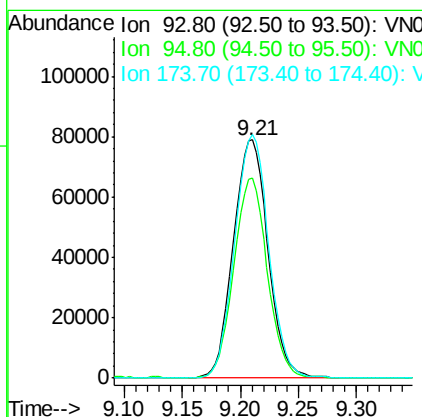
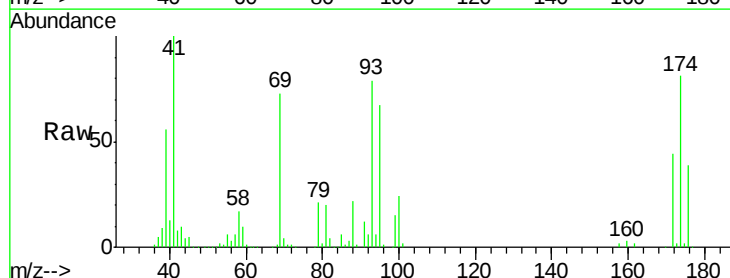
Manual Integrations
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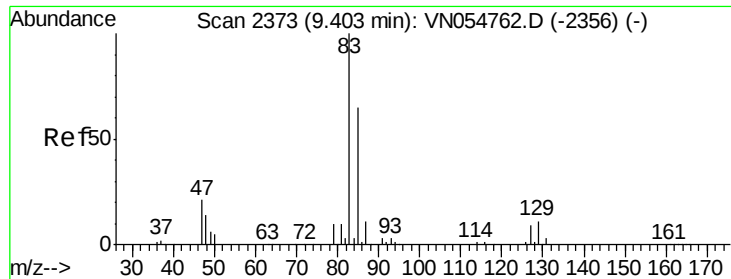
MMDadoda
 4/1/2019 1:32:53 PM



#46
 Dibromomethane
 Concen: 51.707 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

Tgt Ion: 93 Resp: 163926
 Ion Ratio Lower Upper
 93 100
 95 81.5 66.7 100.1
 174 100.4 98.5 147.7





#47

Bromodichloromethane

Concen: 51.763 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

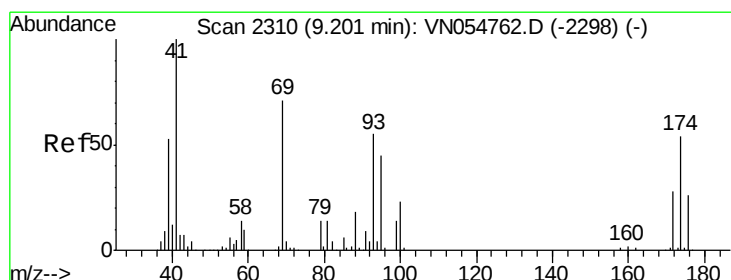
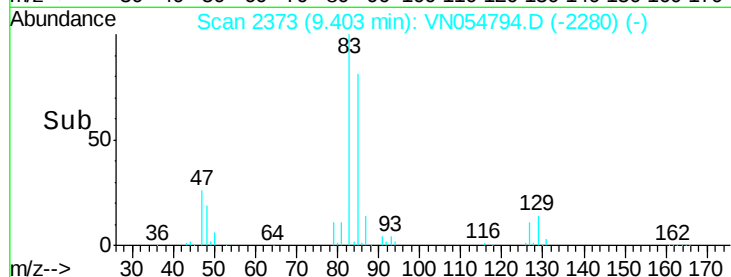
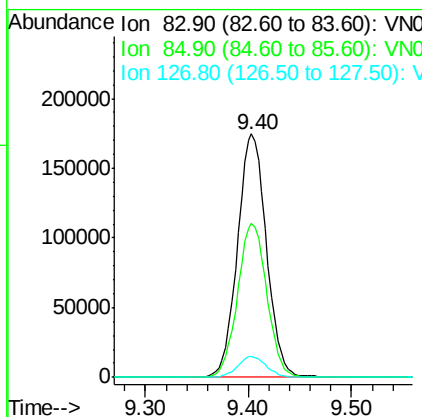
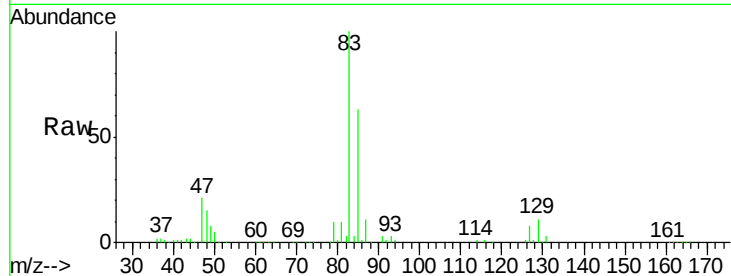
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	341050
Ion Ratio	Lower	Upper	
83	100		
85	63.2	52.8	79.2
127	8.4	7.4	11.2

Manual Integrations
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4/1/2019 1:32:53 PM



#48

Methyl methacrylate

Concen: 52.903 ug/l

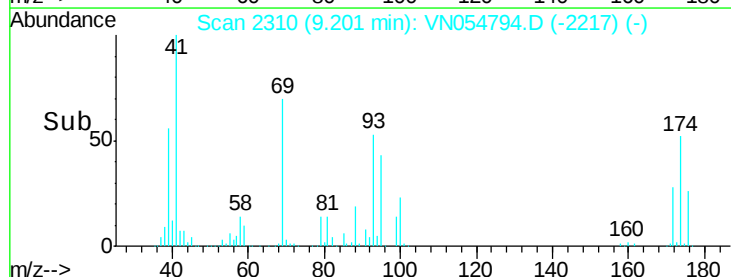
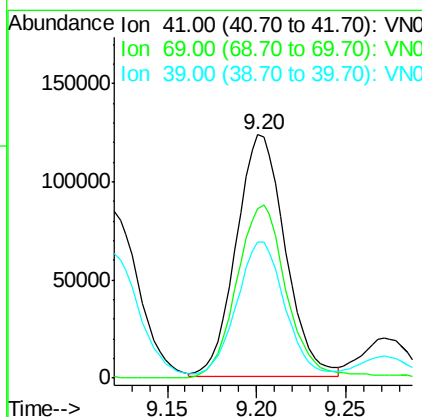
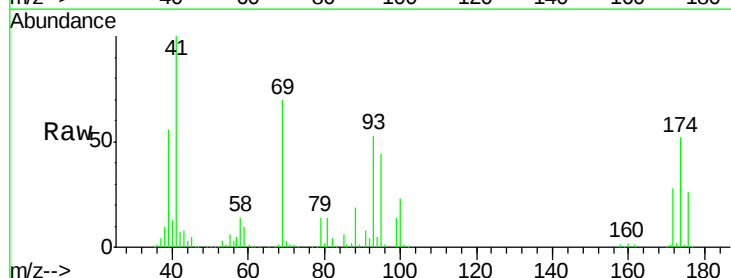
RT: 9.20 min Scan# 2310

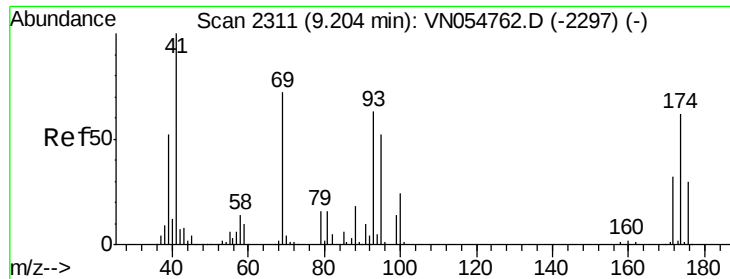
Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Tgt Ion:	41	Resp:	236025
Ion Ratio	Lower	Upper	
41	100		
69	73.7	72.6	108.8
39	55.4	47.5	71.3





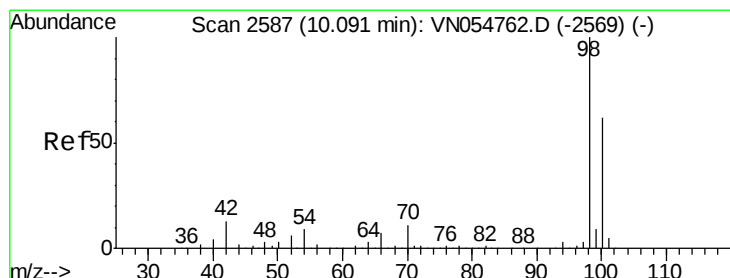
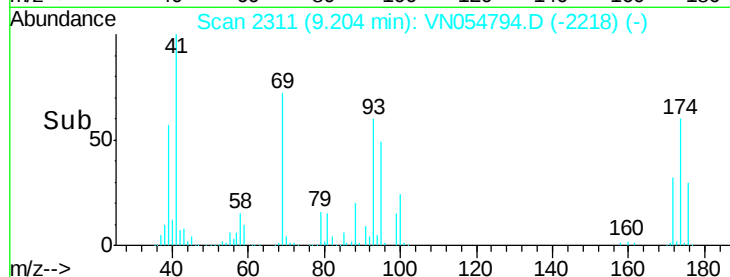
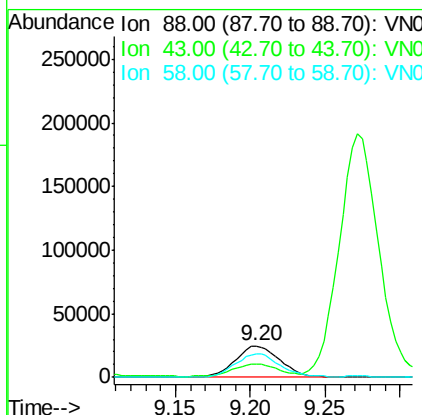
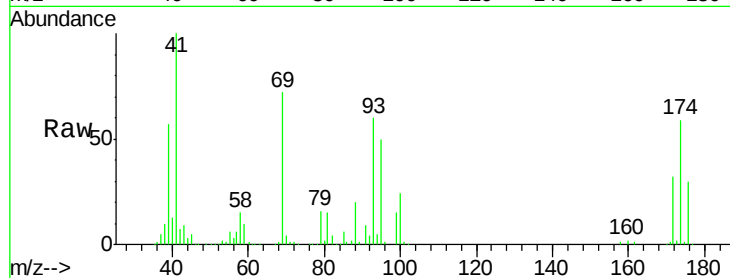
#49
1,4-Dioxane
Concen: 1163.849 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	51521
Ion	Ratio	Lower	Upper
88	100		
43	39.8	24.1	36.1#
58	75.1	50.8	76.2

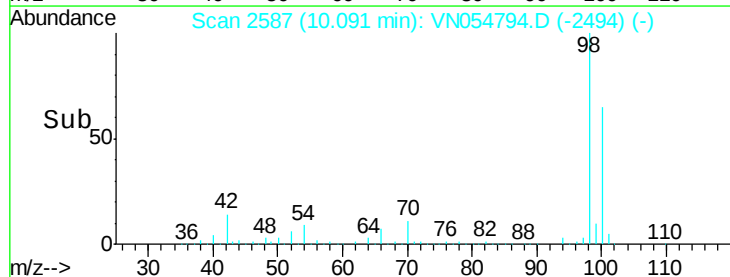
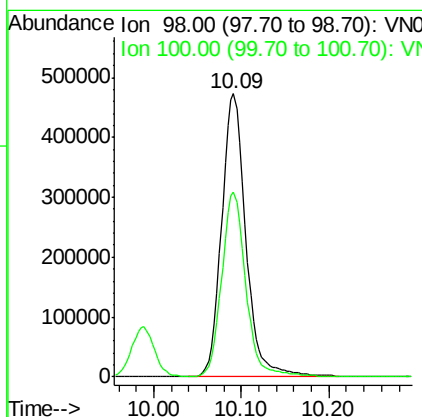
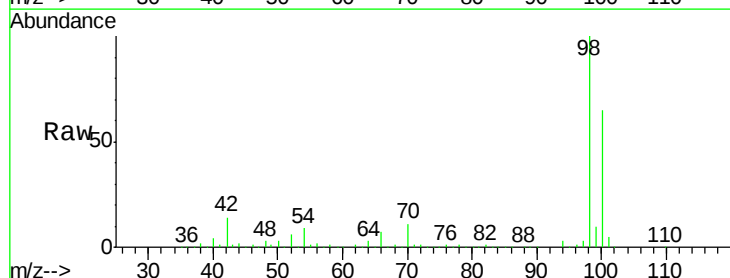
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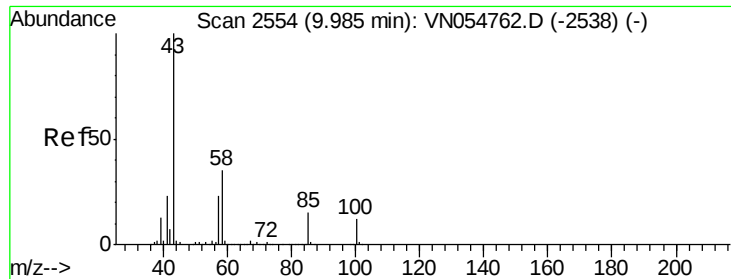
MMDadoda
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#50
Toluene-d8
Concen: 49.760 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion	98	Resp	914262
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 283.388 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1311323

Ion Ratio Lower Upper

43 100

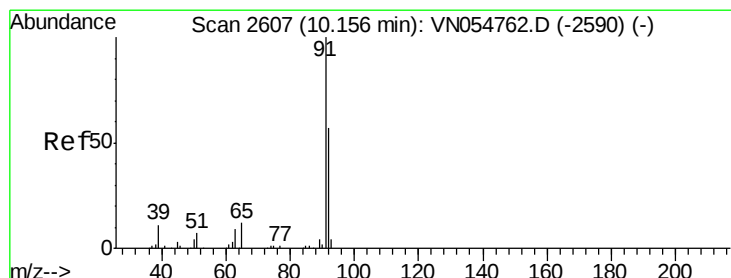
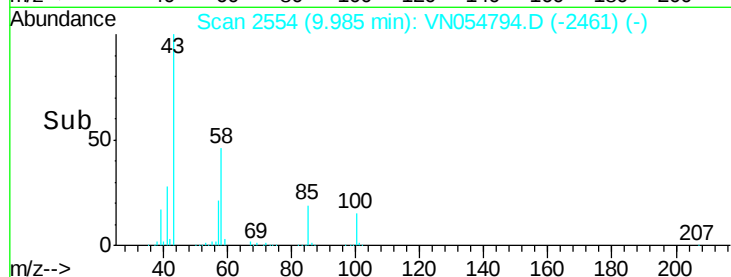
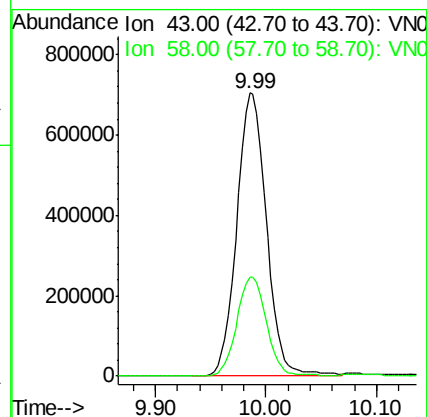
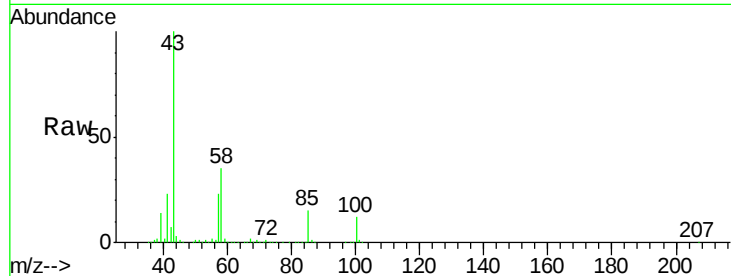
58 35.2 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 51.597 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054794.D

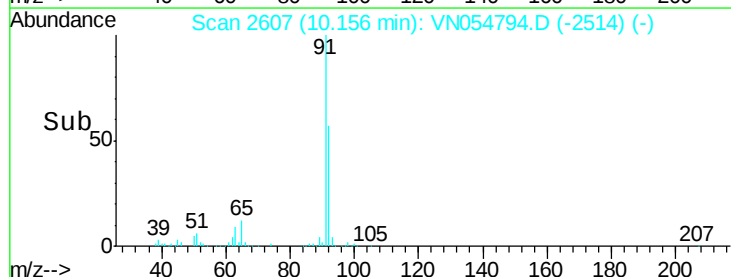
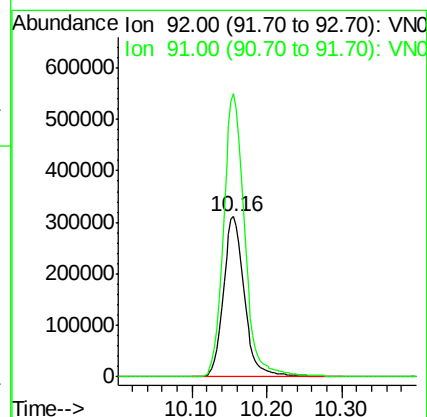
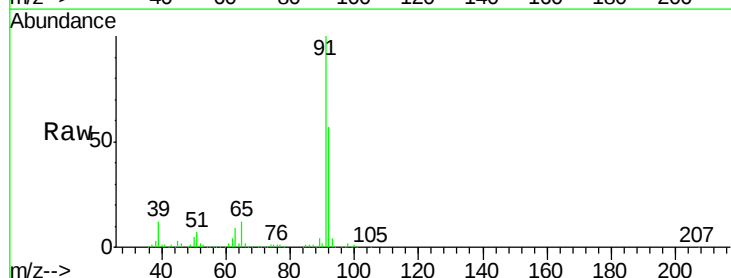
Acq: 30 Mar 2019 11:28

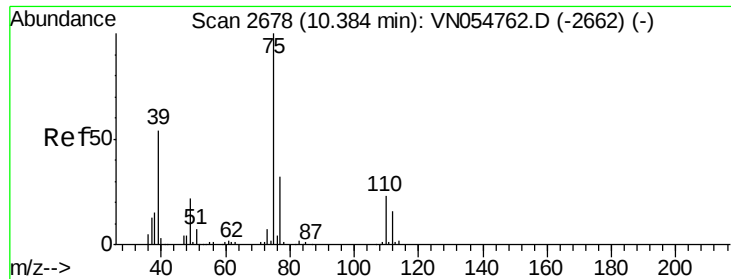
Tgt Ion: 92 Resp: 606814

Ion Ratio Lower Upper

92 100

91 177.3 140.7 211.1





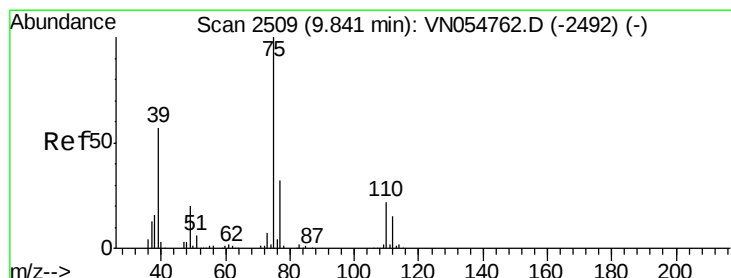
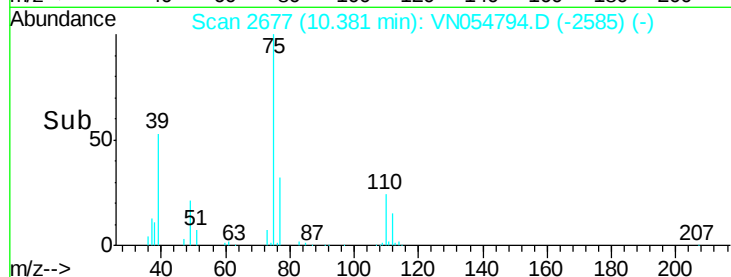
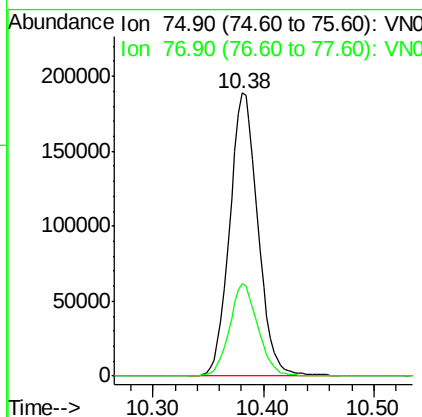
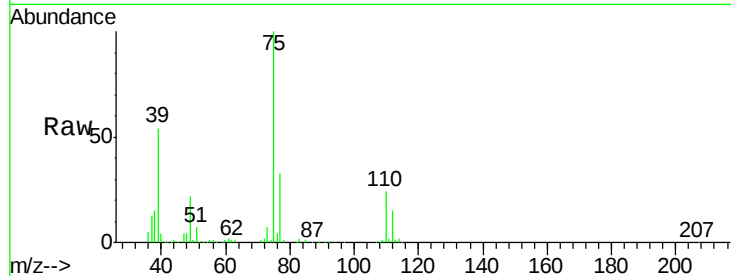
#53
t-1,3-Dichloropropene
Concen: 54.249 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 336226
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8

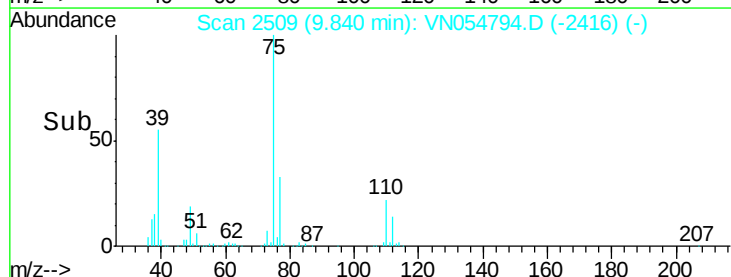
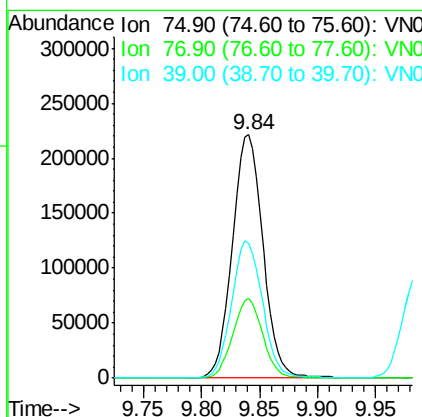
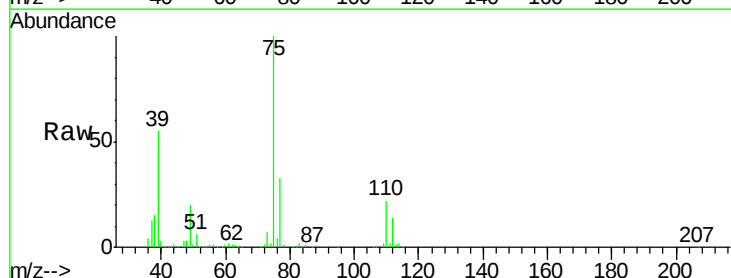
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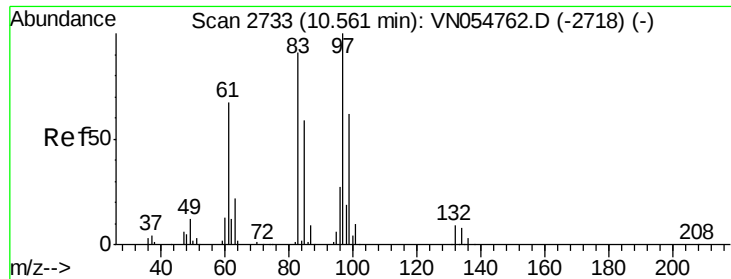
MMDadoda
4/1/2019 1:32:53 PM



#54
cis-1,3-Dichloropropene
Concen: 54.761 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion: 75 Resp: 405425
Ion Ratio Lower Upper
75 100
77 32.5 25.4 38.0
39 55.3 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 51.170 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

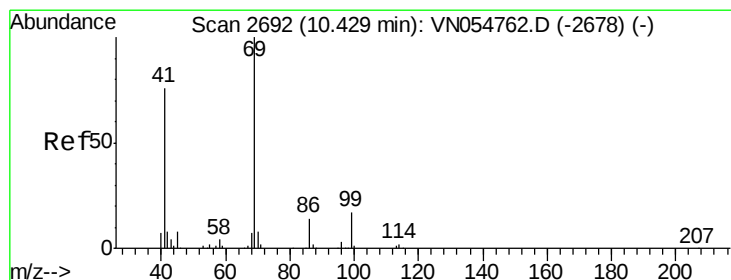
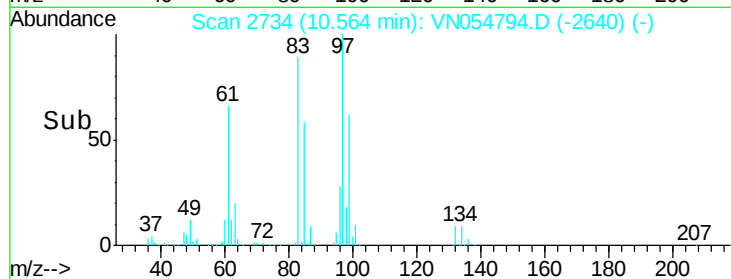
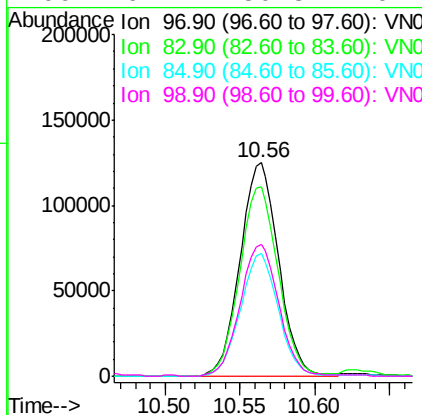
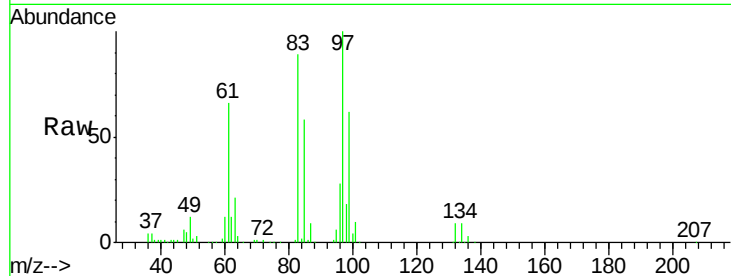
ClientSampleId :

VSTDCCC050

Tot Ion	97	Resp	223769
Ion	Ratio	Lower	Upper
97	100		
83	88.6	66.6	100.0
85	57.8	44.4	66.6
99	61.4	50.8	76.2

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#56

Ethyl methacrylate

Concen: 54.530 ug/l

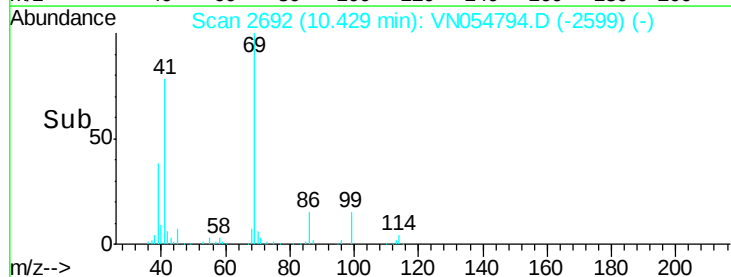
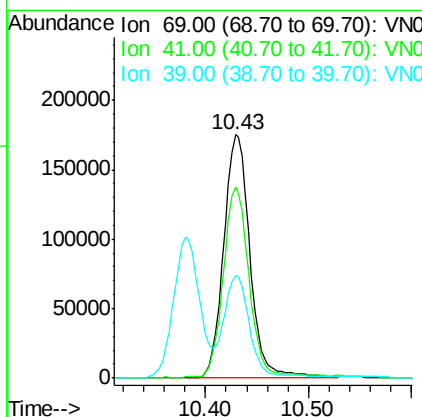
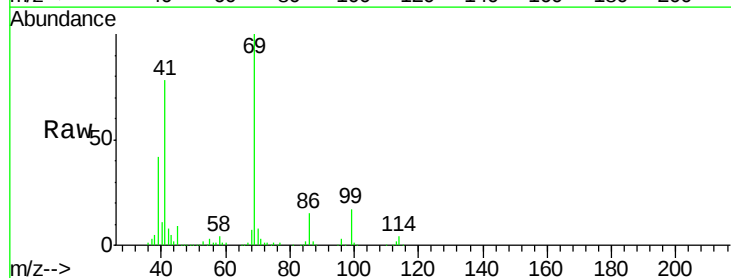
RT: 10.43 min Scan# 2692

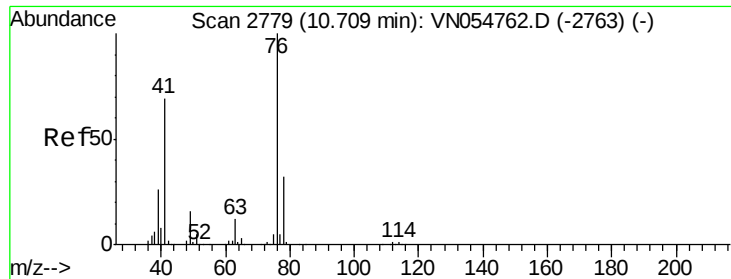
Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Tgt Ion	69	Resp	312812
Ion	Ratio	Lower	Upper
69	100		
41	76.2	49.4	74.2#
39	38.9	28.3	42.5





#57

1,3-Dichloropropane

Concen: 52.270 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 392974

Ion Ratio Lower Upper

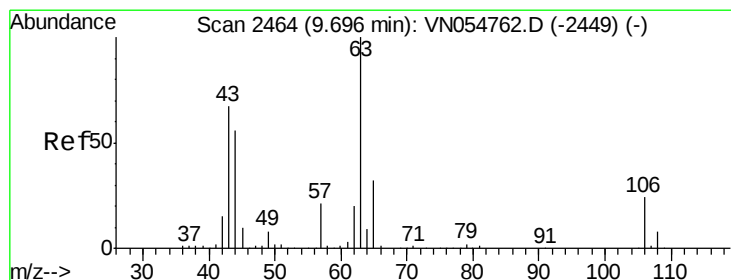
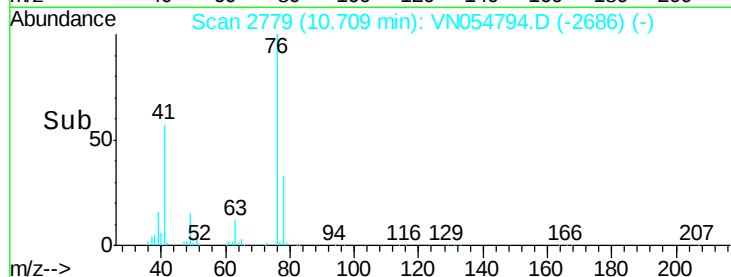
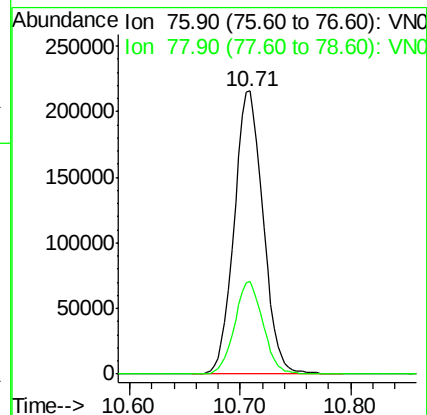
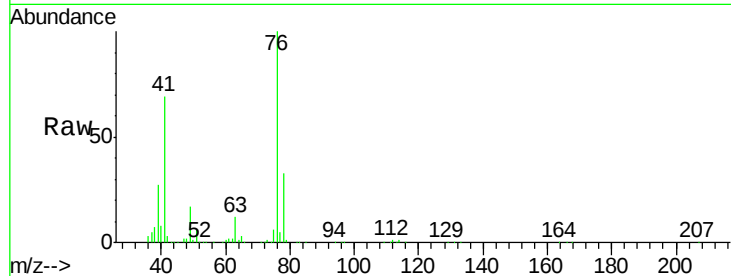
76 100

78 32.1 25.7 38.5

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 238.223 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054794.D

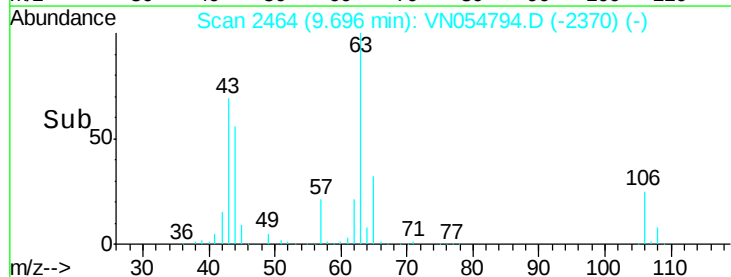
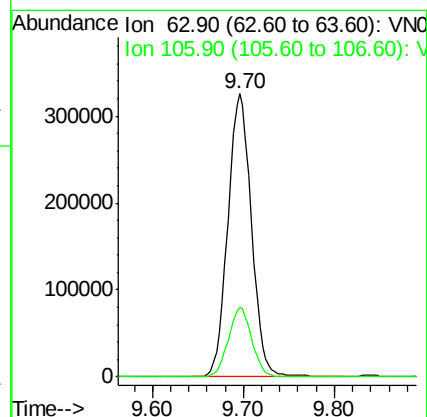
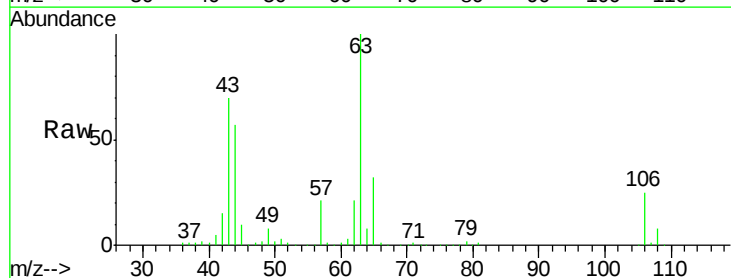
Acq: 30 Mar 2019 11:28

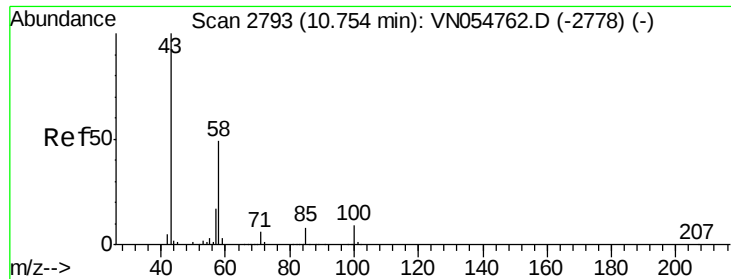
Tgt Ion: 63 Resp: 587403

Ion Ratio Lower Upper

63 100

106 24.3 24.4 36.6#





#59

2-Hexanone

Concen: 292.816 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 867385

Ion Ratio Lower Upper

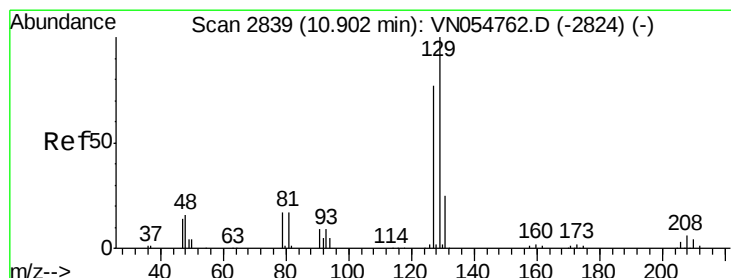
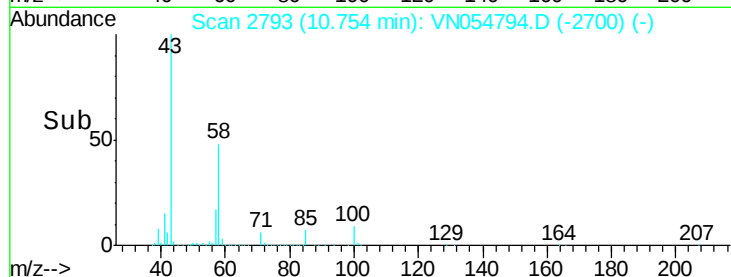
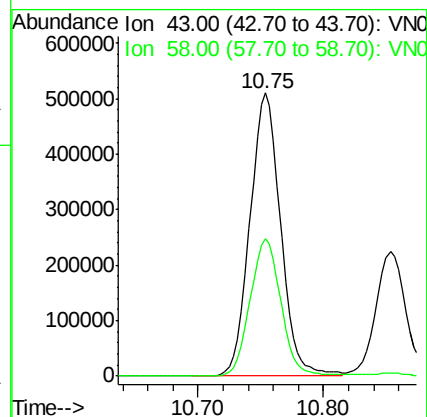
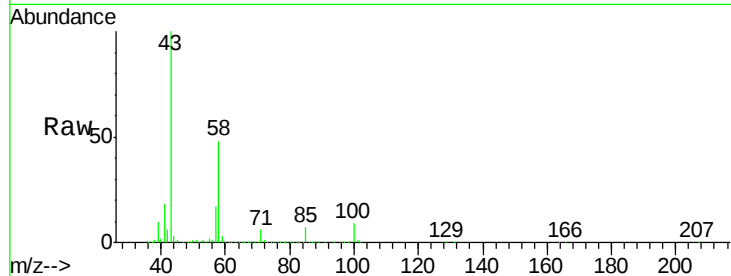
43 100

58 49.0 28.0 83.9

Manual Integrations
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#60

Dibromochloromethane

Concen: 54.289 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN054794.D

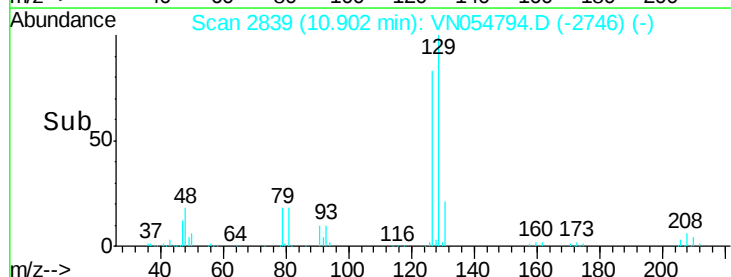
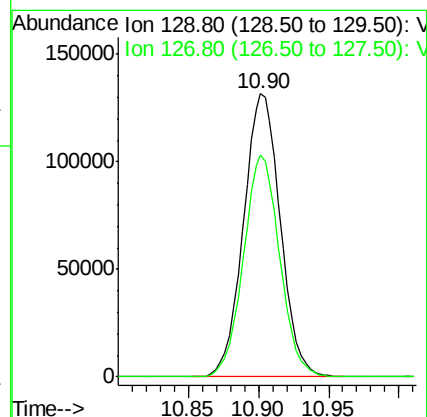
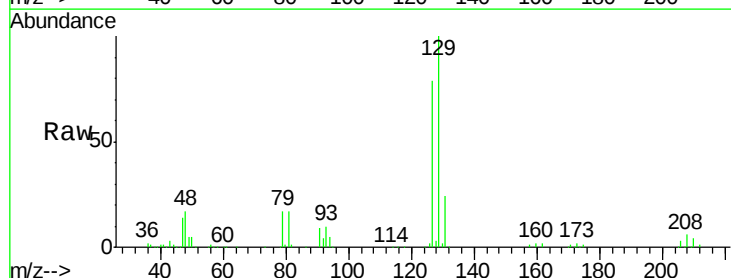
Acq: 30 Mar 2019 11:28

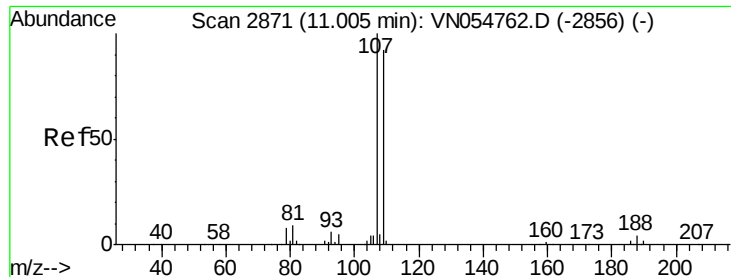
Tgt Ion: 129 Resp: 240489

Ion Ratio Lower Upper

129 100

127 77.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.722 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 220329

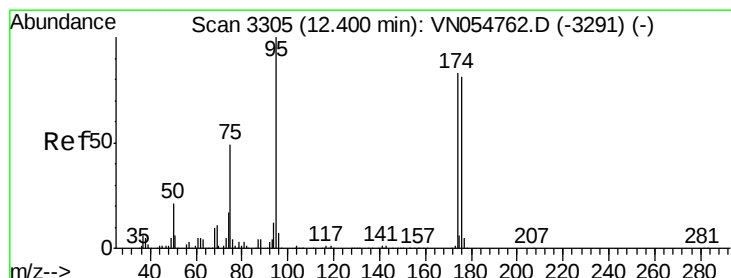
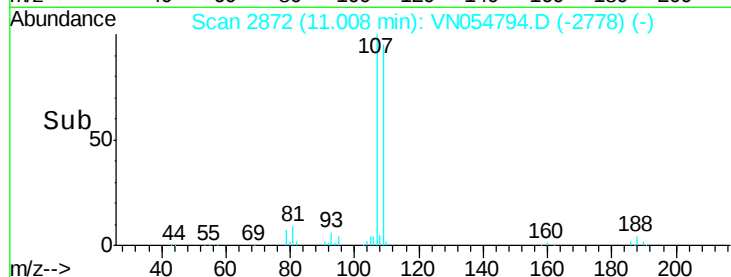
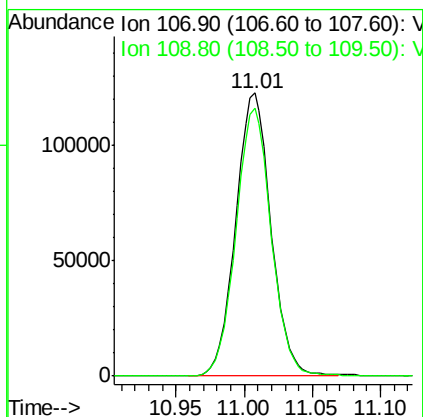
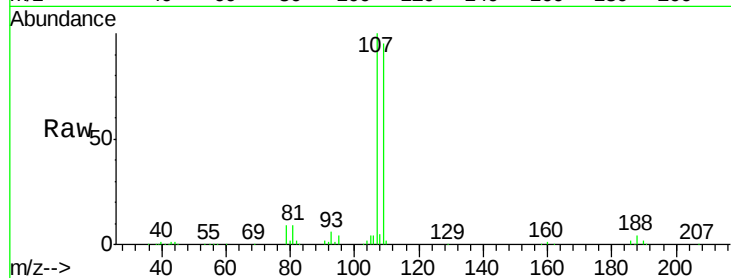
Ion Ratio Lower Upper

107 100

109 95.1 75.9 113.9

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 51.929 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

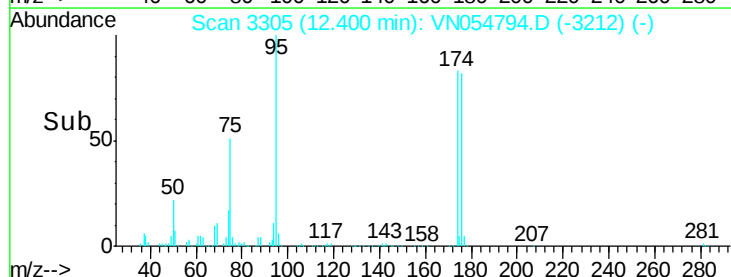
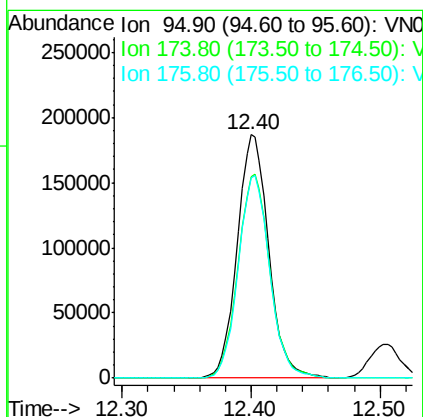
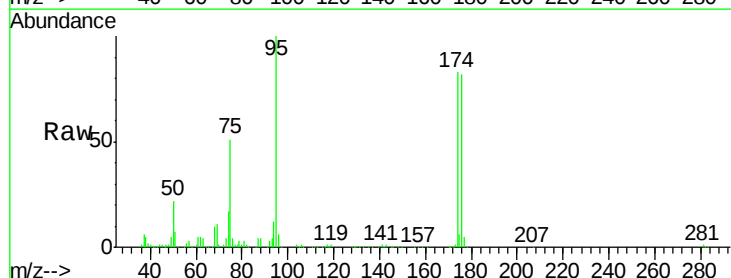
Tgt Ion: 95 Resp: 317314

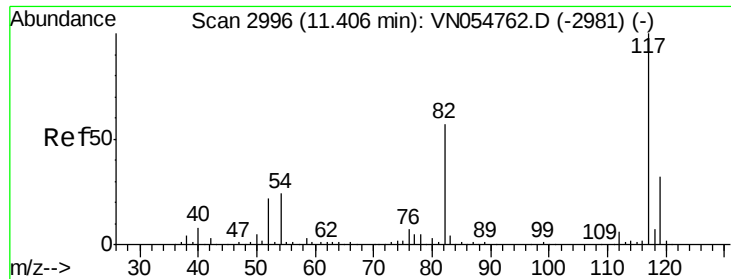
Ion Ratio Lower Upper

95 100

174 84.9 0.0 191.0

176 83.1 0.0 187.4





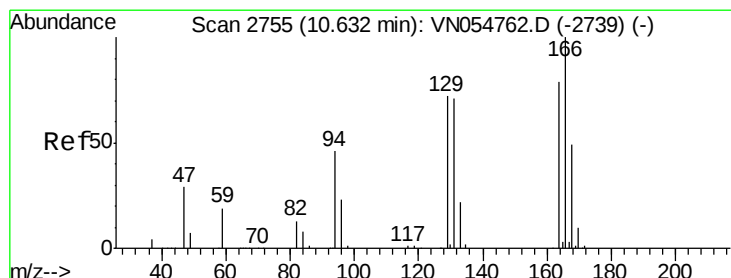
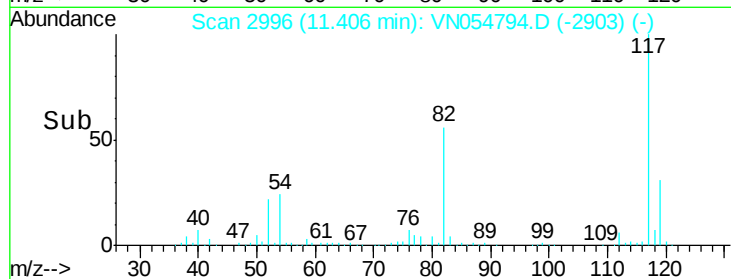
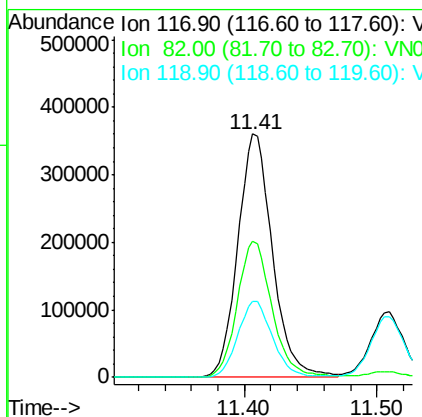
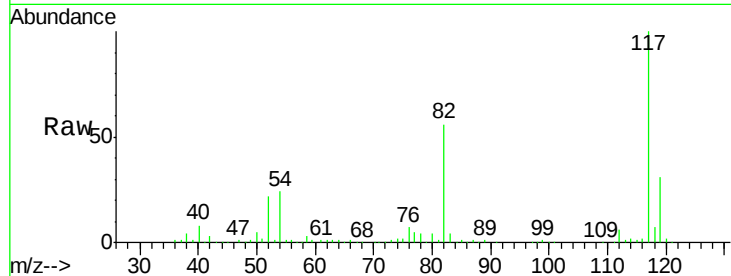
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	40.0	60.0
119	31.4	25.8	38.6

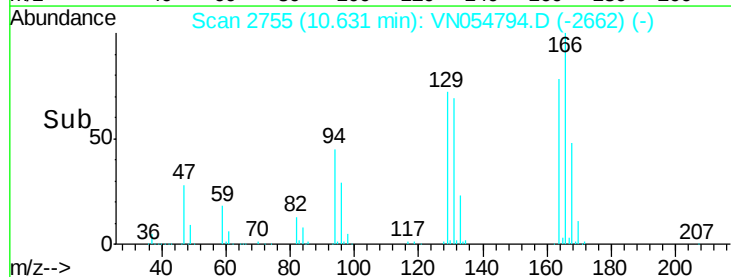
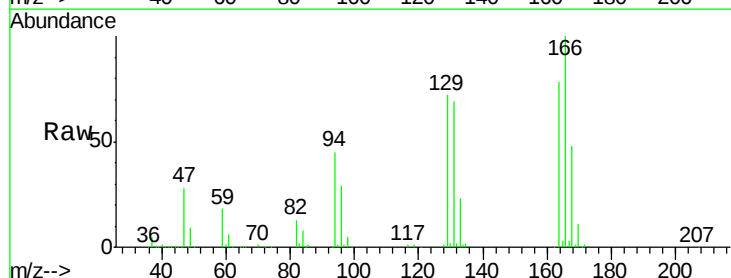
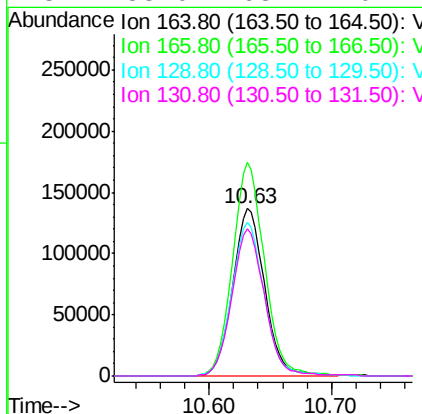
Manual Integrations
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#64
Tetrachloroethene
Concen: 49.618 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	103.9	155.9
129	91.7	71.1	106.7
131	88.0	68.2	102.4





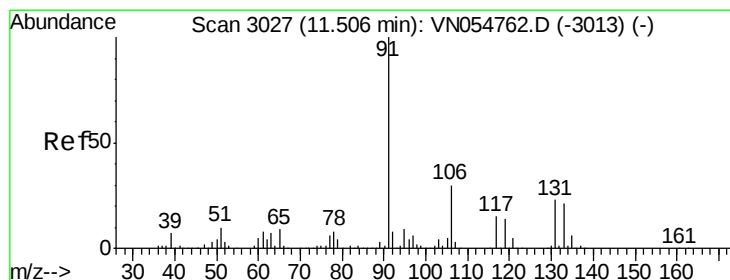
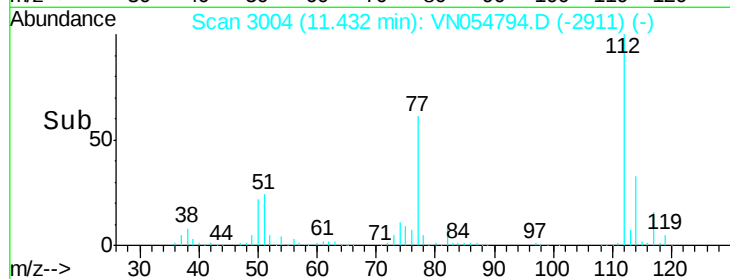
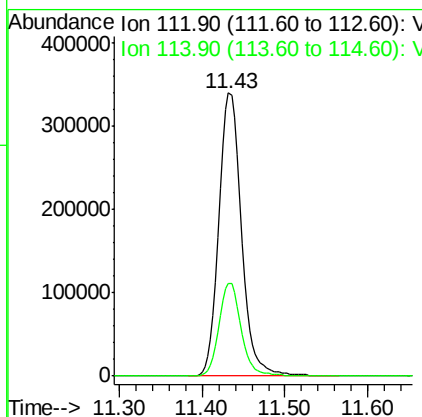
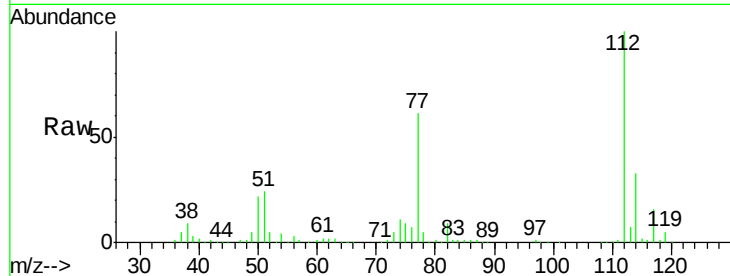
#65
Chlorobenzene
Concen: 49.863 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 639876
Ion Ratio Lower Upper
112 100
114 32.9 25.9 38.9

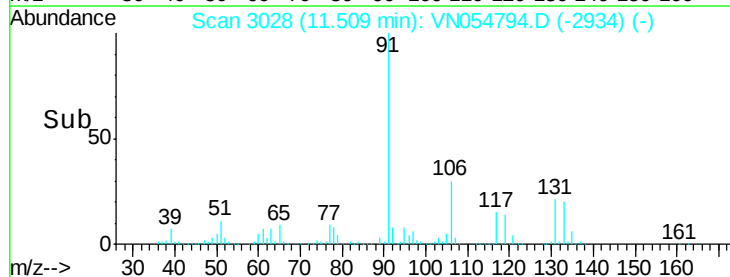
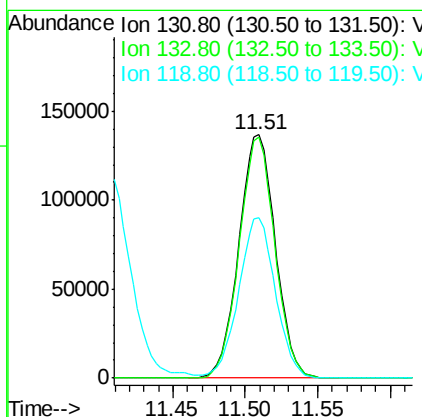
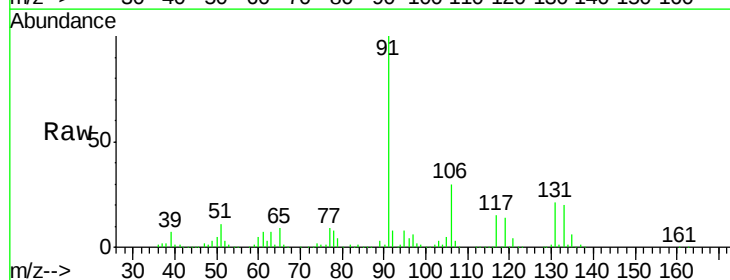
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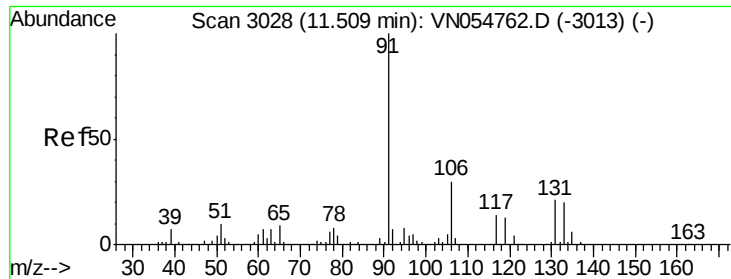
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.885 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion:131 Resp: 239611
Ion Ratio Lower Upper
131 100
133 96.5 47.6 142.9
119 66.2 32.4 97.0





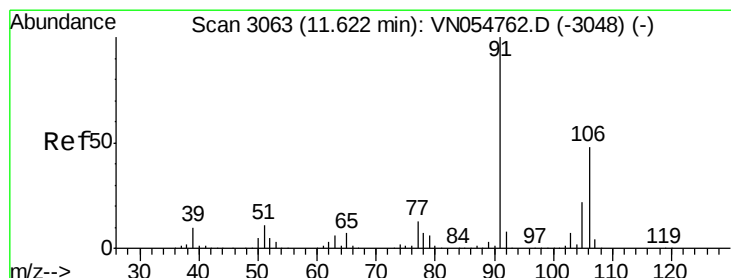
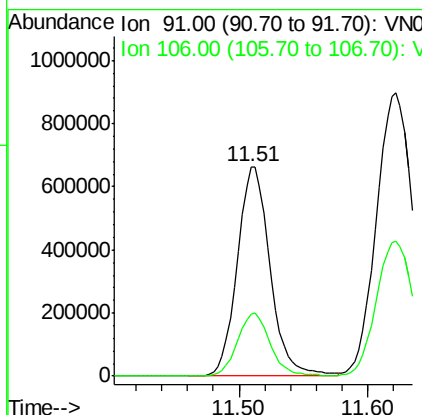
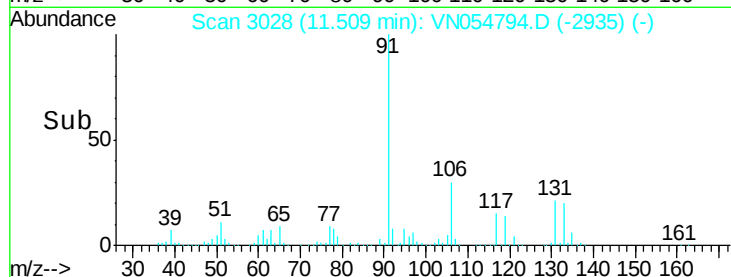
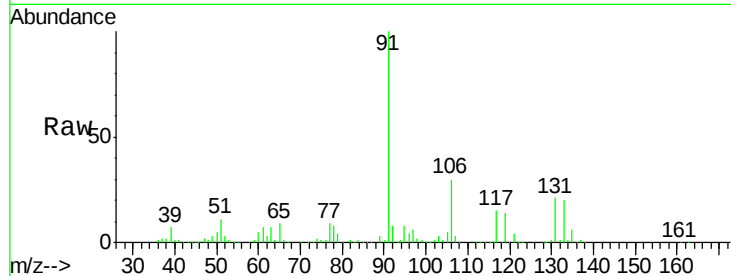
#67
Ethyl Benzene
Concen: 50.769 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1175663
Ion Ratio Lower Upper
91 100
106 29.8 25.5 38.3

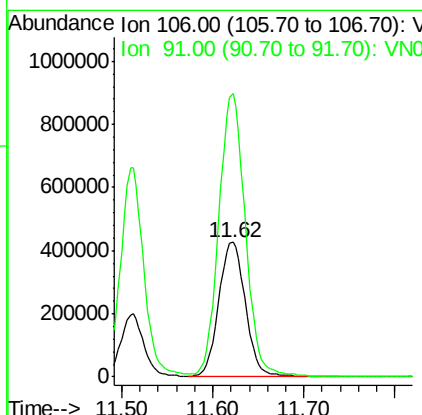
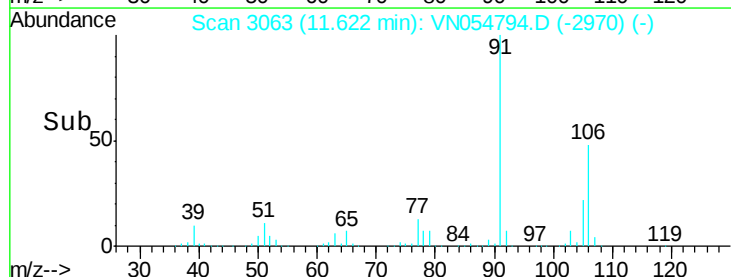
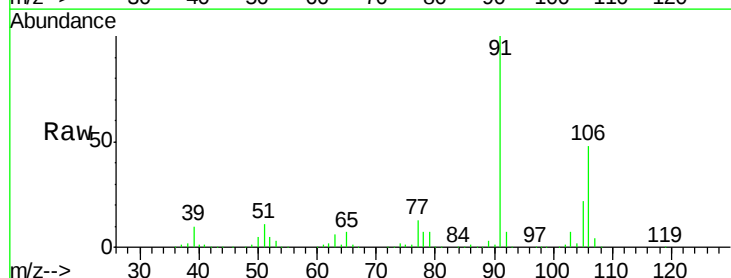
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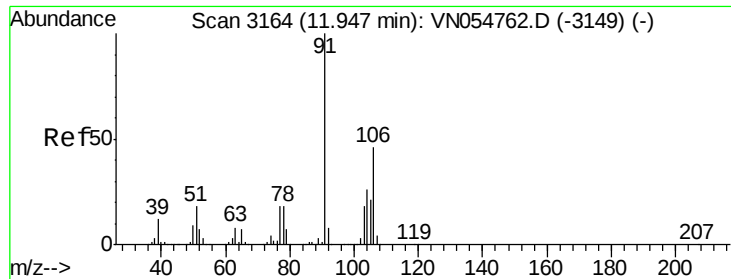
MMDadoda
4/1/2019 1:32:53 PM



#68
m/p-Xylenes
Concen: 101.889 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion: 106 Resp: 873159
Ion Ratio Lower Upper
106 100
91 208.5 159.4 239.2





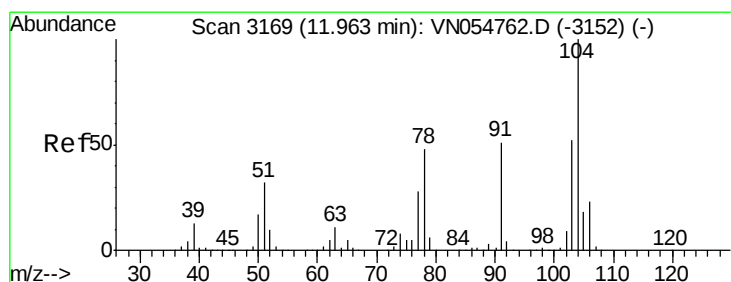
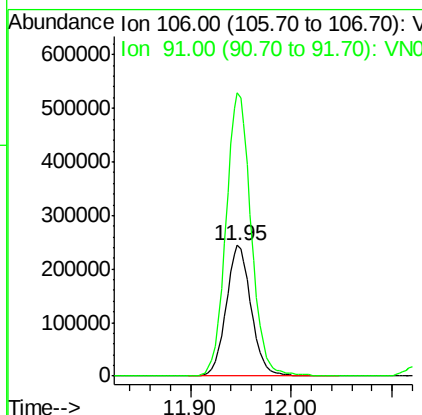
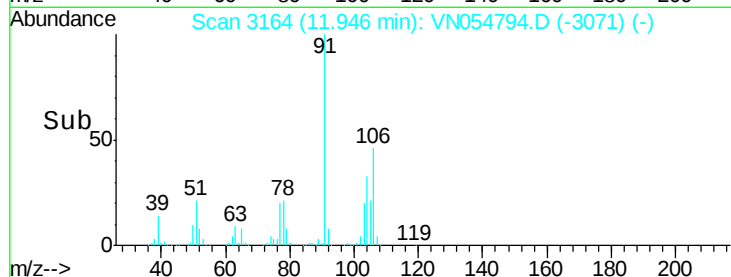
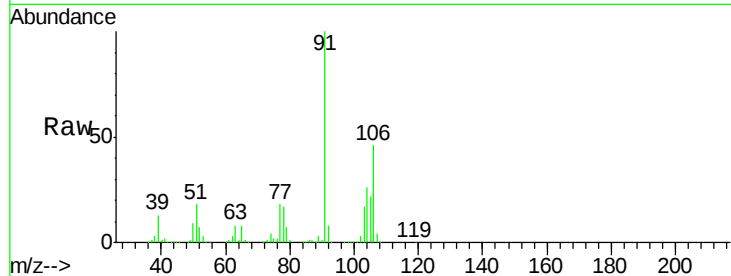
#69
o-Xylene
Concen: 50.076 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 420809
Ion Ratio Lower Upper
106 100
91 218.9 105.7 317.1

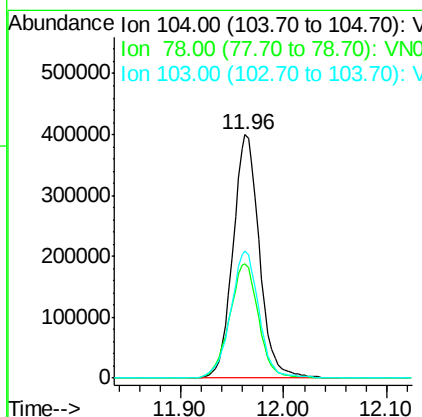
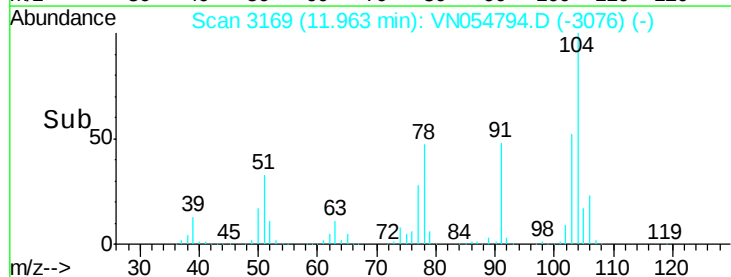
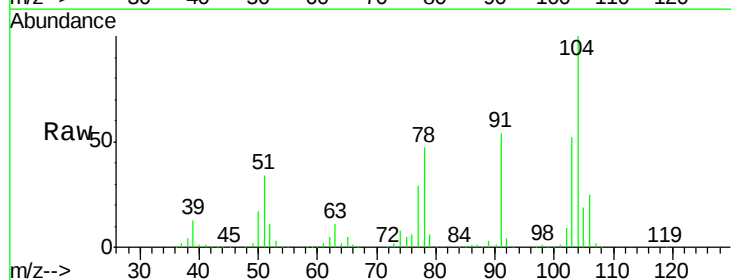
Manual Integrations
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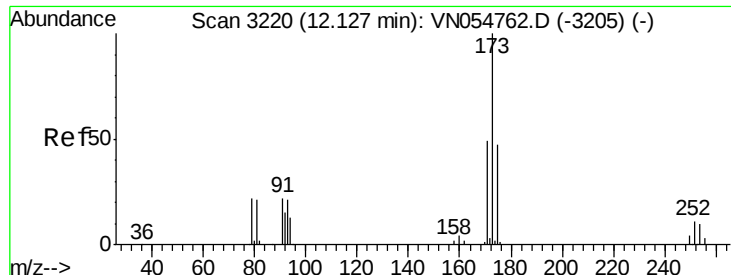
MMDadoda
4/1/2019 1:32:53 PM



#70
Styrene
Concen: 53.268 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion:104 Resp: 715733
Ion Ratio Lower Upper
104 100
78 51.5 38.2 57.2
103 55.7 44.4 66.6





#71

Bromoform

Concen: 53.534 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 150642

Ion Ratio Lower Upper

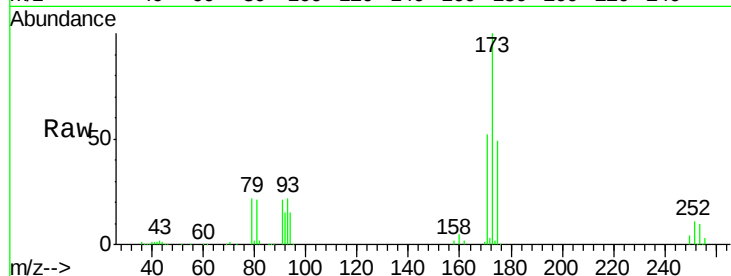
173 100

175 48.0 24.4 73.2

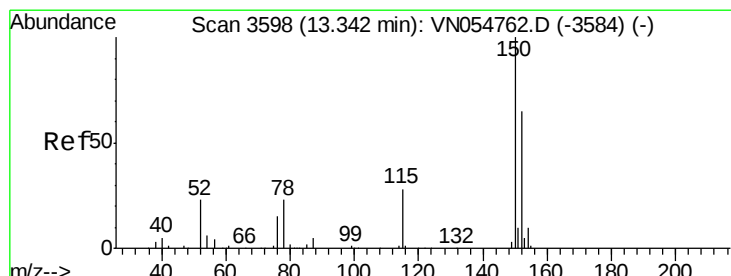
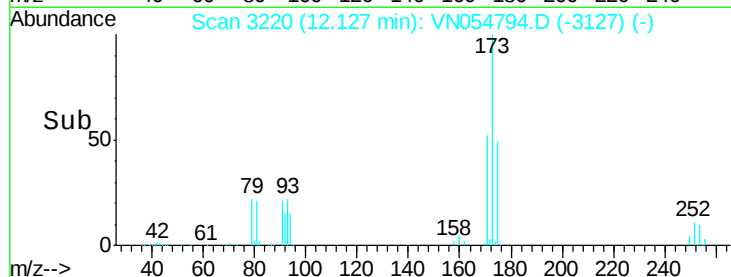
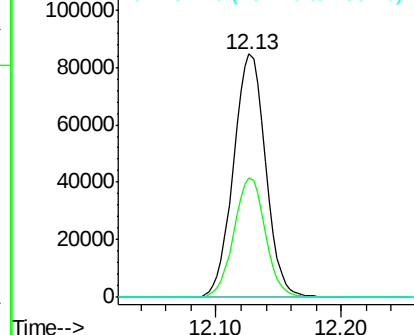
254 0.2 0.1 0.1#

Manual Integrations
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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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

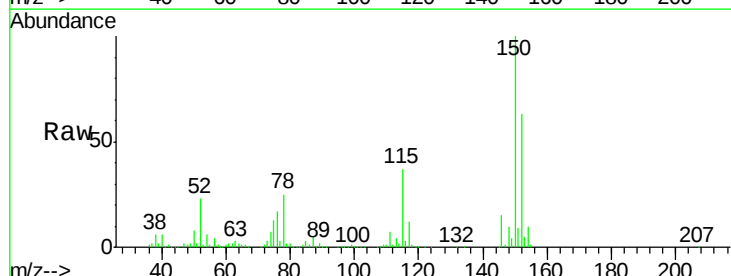
Tgt Ion:152 Resp: 295513

Ion Ratio Lower Upper

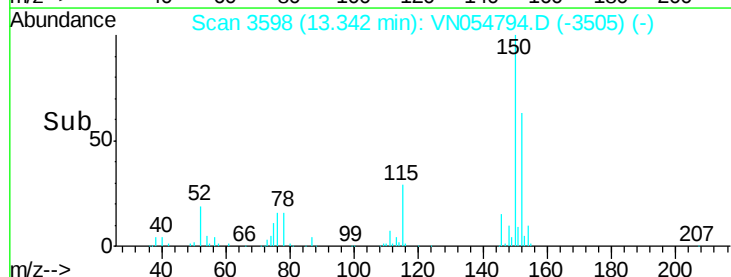
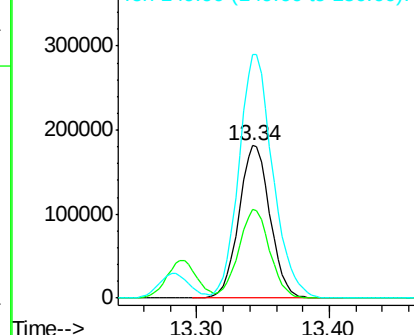
152 100

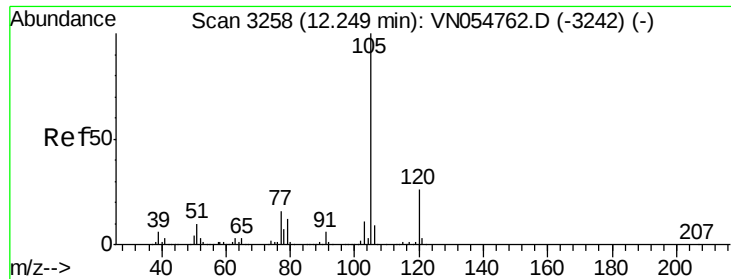
115 58.1 27.2 81.6

150 174.0 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: 46.698 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1127956

Ion Ratio Lower Upper

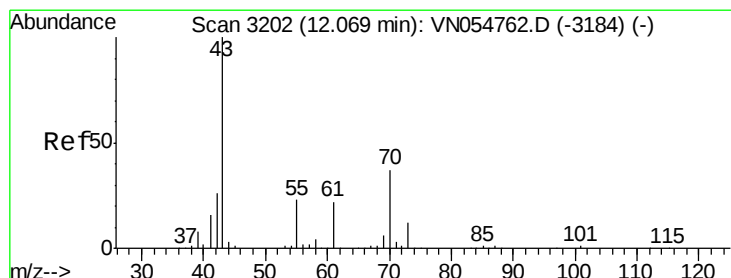
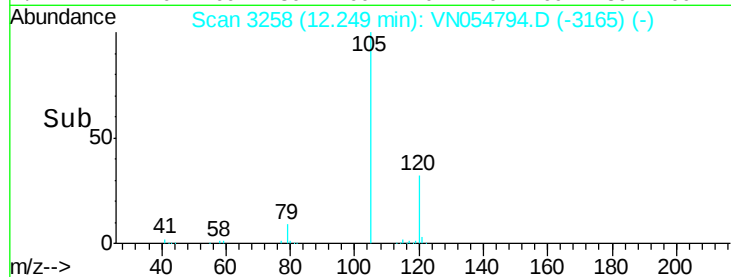
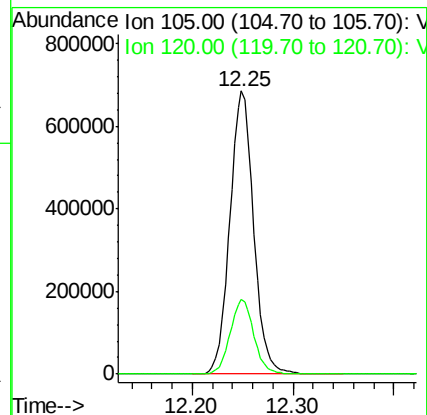
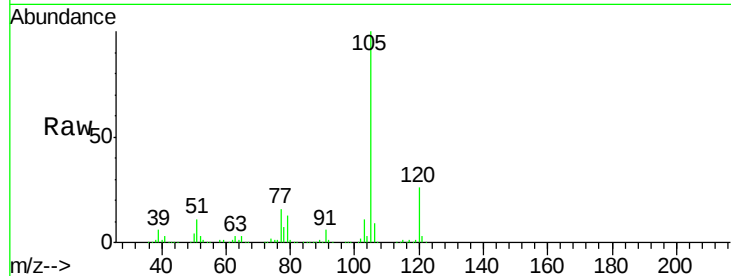
105 100

120 26.3 13.8 41.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 51.413 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Tgt Ion: 43 Resp: 386881

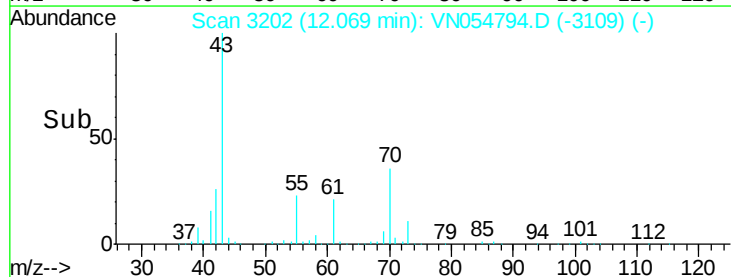
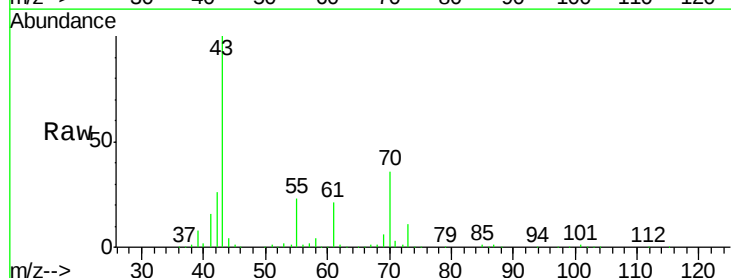
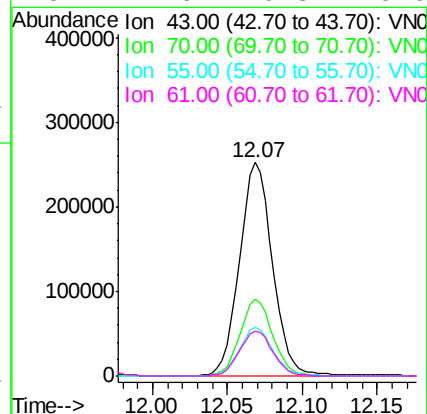
Ion Ratio Lower Upper

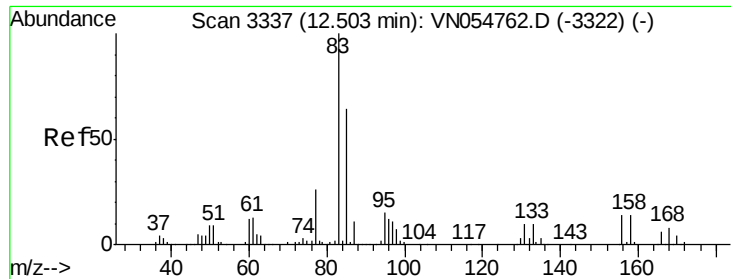
43 100

70 35.8 35.4 53.0

55 23.3 19.8 29.6

61 21.6 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.389 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

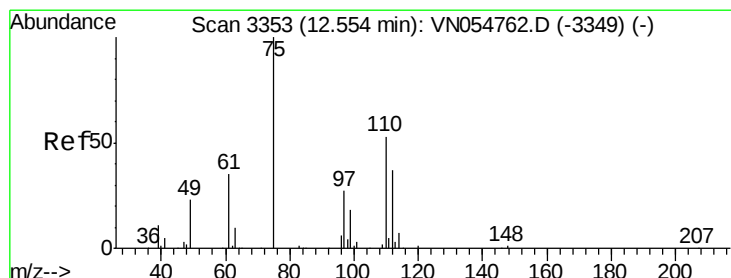
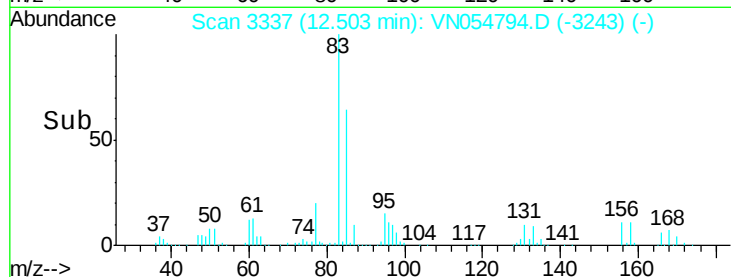
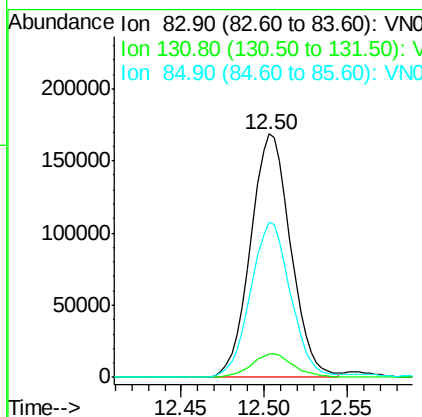
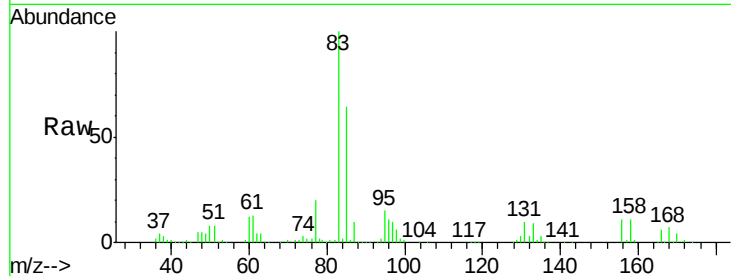
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	283658
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.8	17.4
85	64.8	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.400 ug/l m

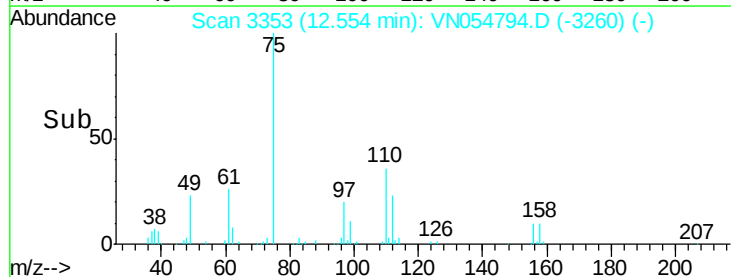
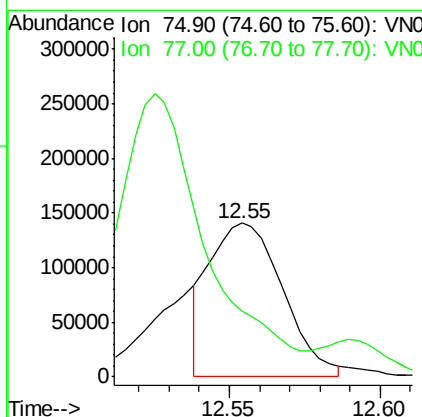
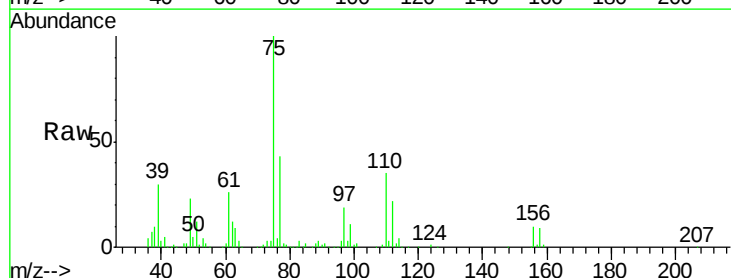
RT: 12.55 min Scan# 3353

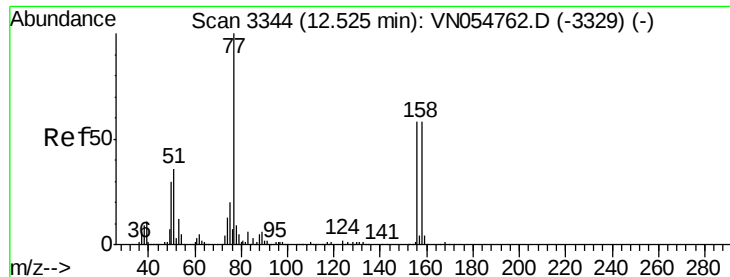
Delta R.T. 0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Tgt Ion:	75	Resp:	238205
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.046 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

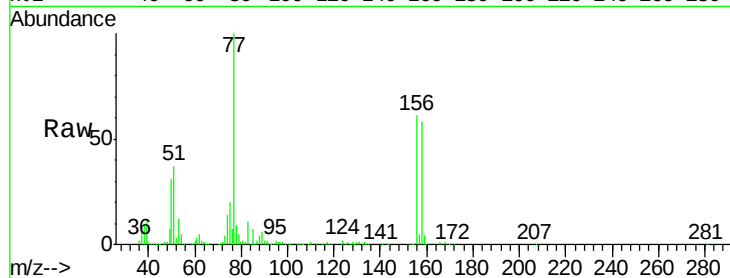
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	280084
Ion Ratio	Lower	Upper	
156	100		
77	191.4	81.5	244.4
158	96.0	49.0	147.2

Manual Integrations
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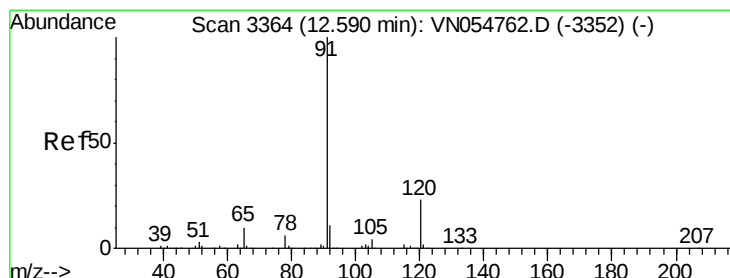
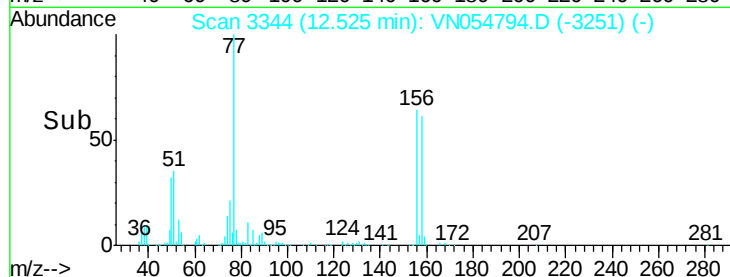
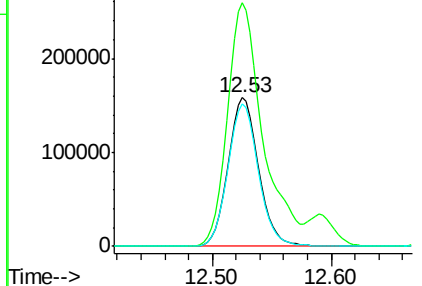
MMDadoda
4/1/2019 1:32:53 PM



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: 48.442 ug/l

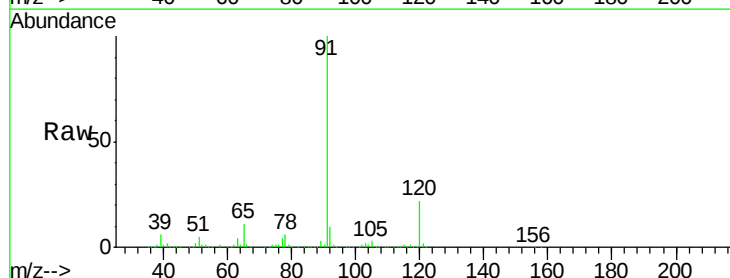
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054794.D

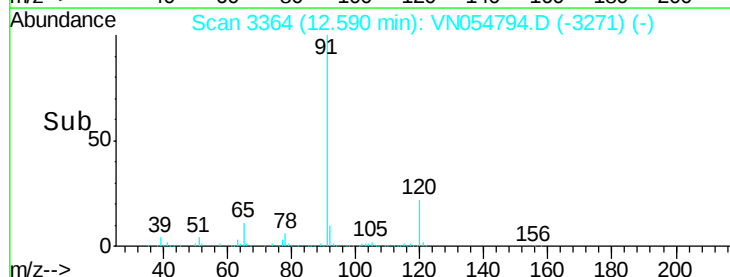
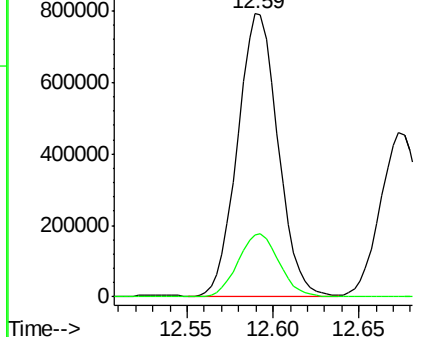
Acq: 30 Mar 2019 11:28

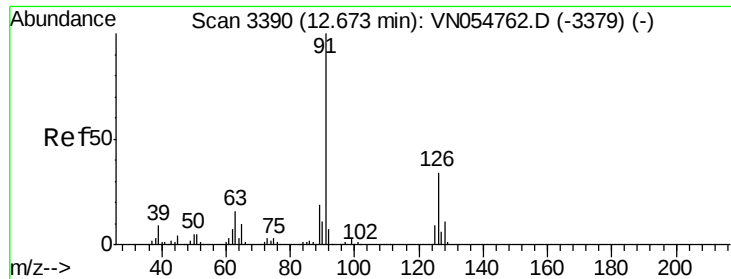
Tgt Ion:	91	Resp:	1286027
Ion Ratio	Lower	Upper	
91	100		
120	22.8	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.682 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 766720

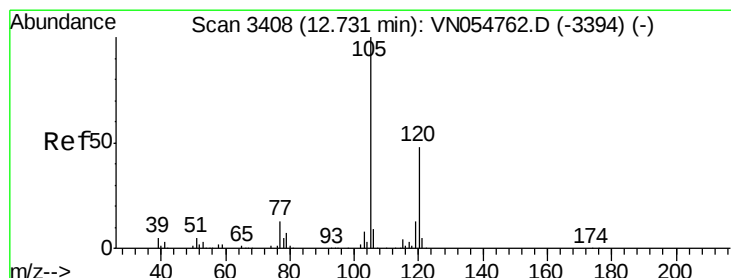
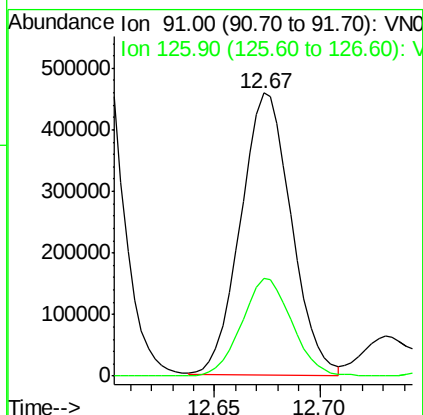
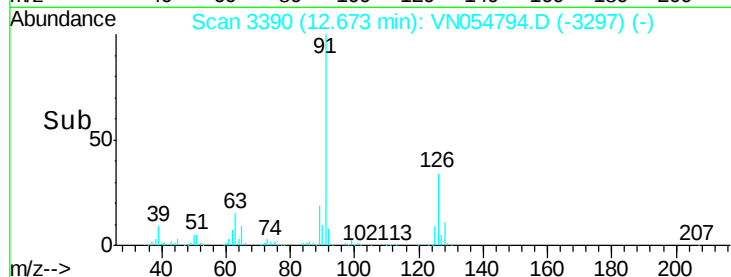
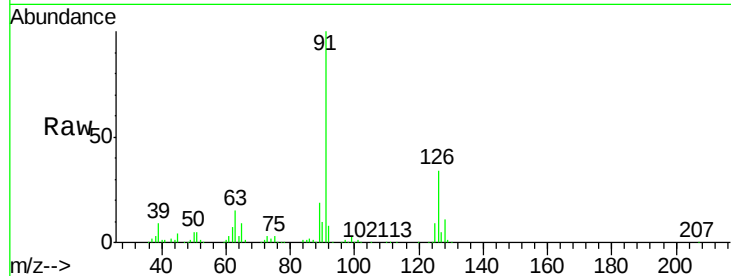
Ion Ratio Lower Upper

91 100

126 34.5 18.7 56.1

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 47.724 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054794.D

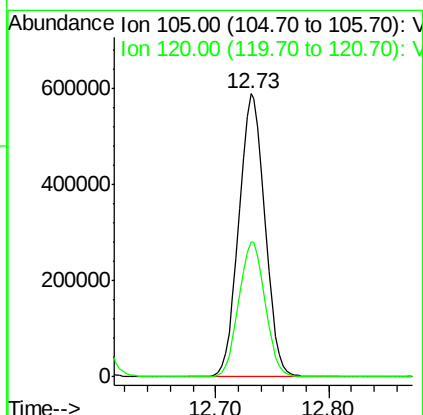
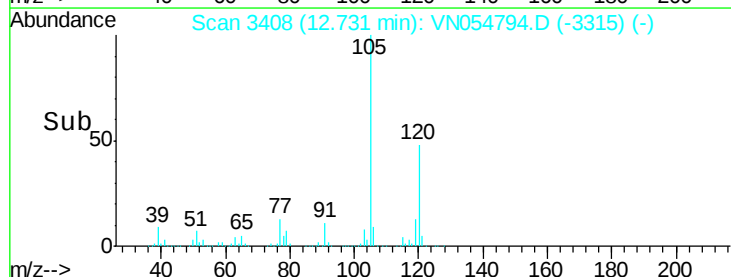
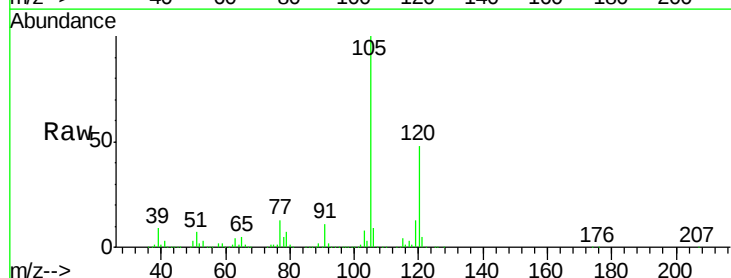
Acq: 30 Mar 2019 11:28

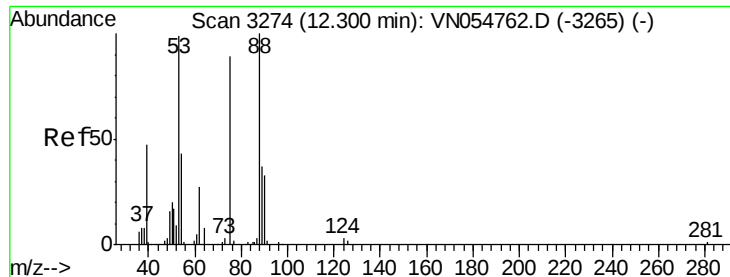
Tgt Ion: 105 Resp: 945859

Ion Ratio Lower Upper

105 100

120 48.4 25.0 75.0





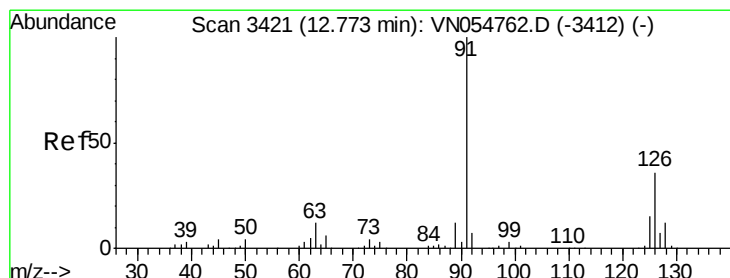
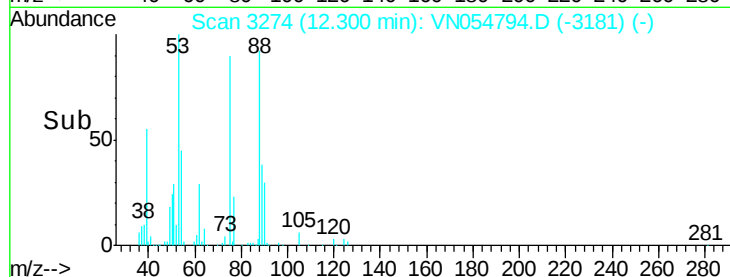
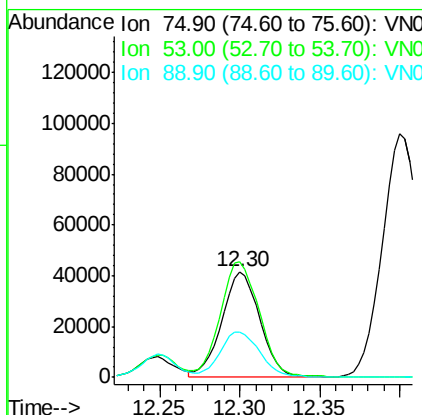
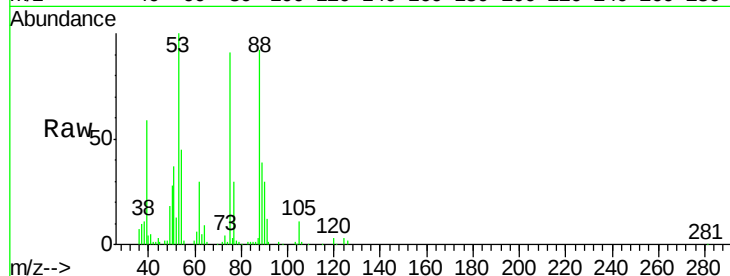
#81
trans-1,4-Dichloro-2-butene
Concen: 51.629 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.6	76.2	114.2
89	45.2	39.2	58.8

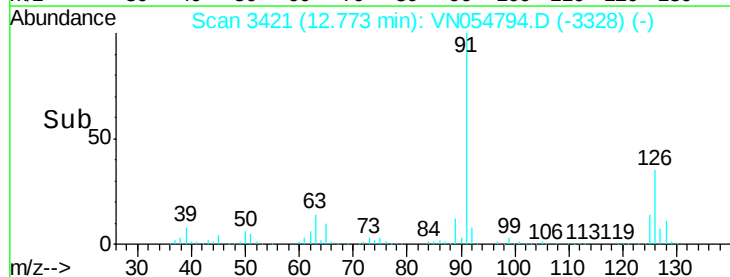
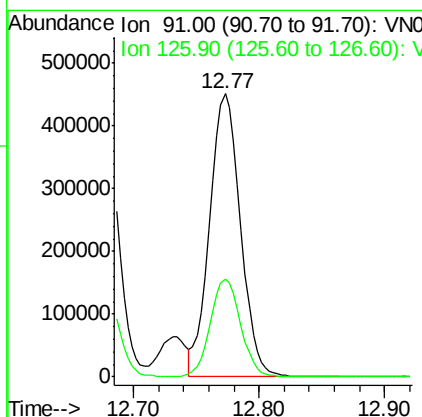
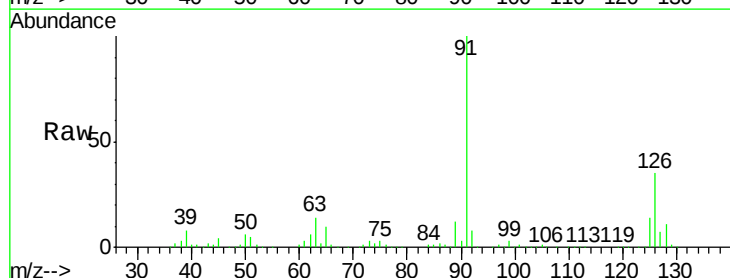
Manual Integrations
APPROVED

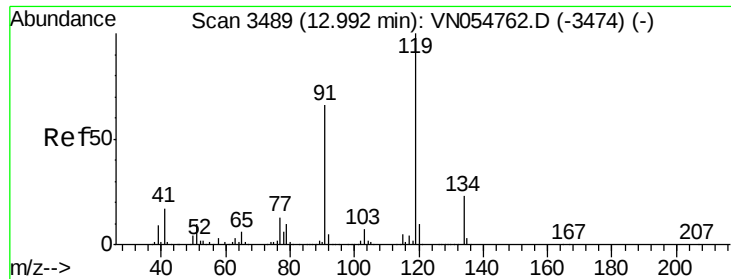
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.107 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	18.1	54.1





#83

tert-Butylbenzene

Concen: 51.266 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

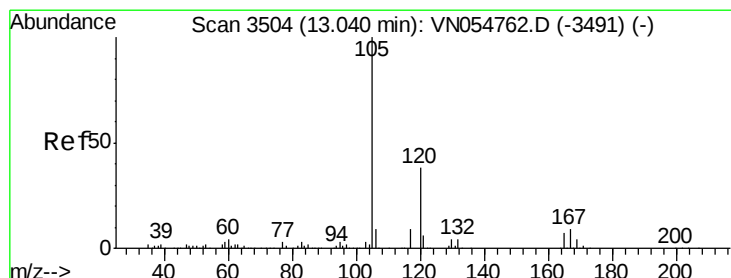
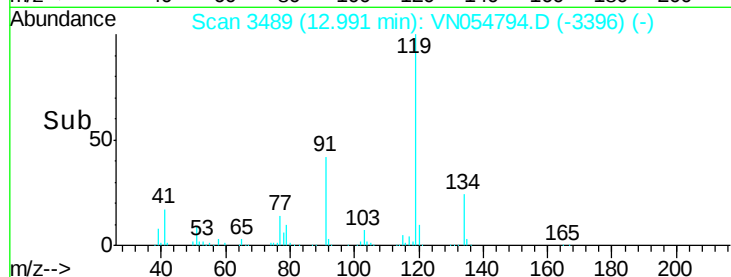
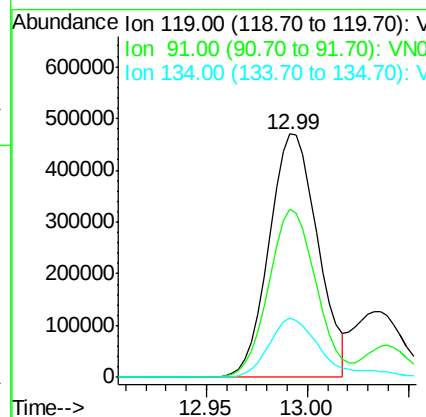
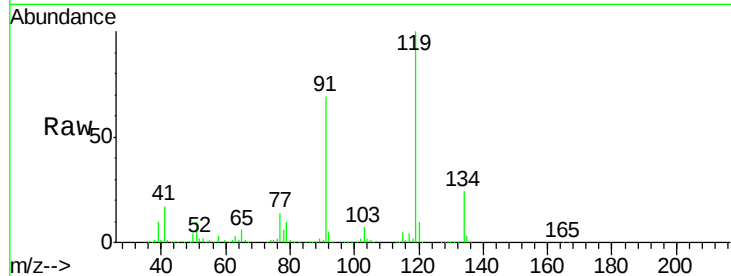
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	786442
Ion Ratio	Lower	Upper	
119	100		
91	67.4	30.9	92.8
134	26.7	13.2	39.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 49.799 ug/l

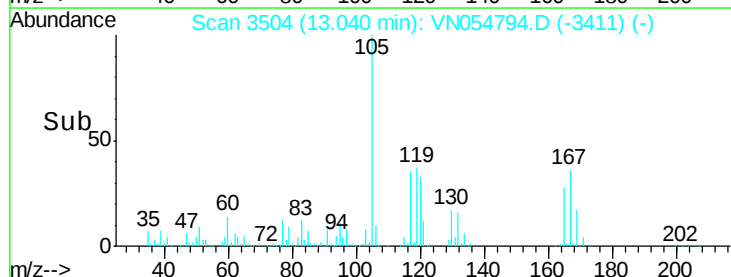
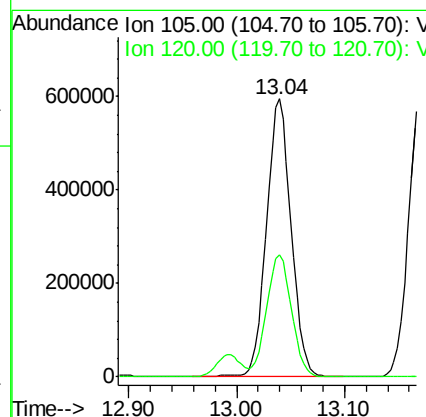
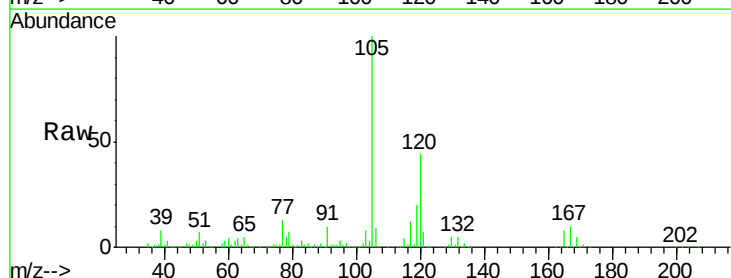
RT: 13.04 min Scan# 3504

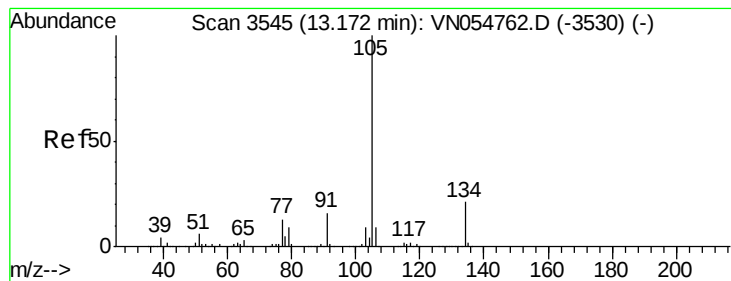
Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Tgt Ion:	105	Resp:	940298
Ion Ratio	Lower	Upper	
105	100		
120	44.7	23.4	70.3





#85

sec-Butylbenzene

Concen: 48.195 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1037625

Ion Ratio Lower Upper

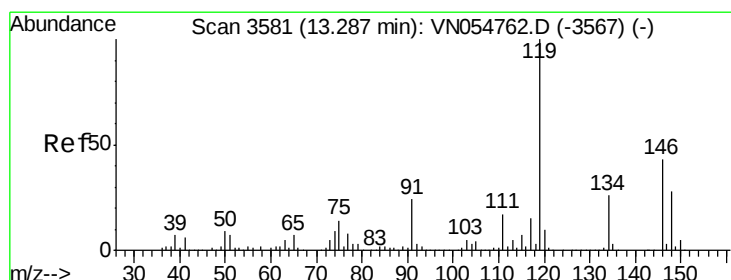
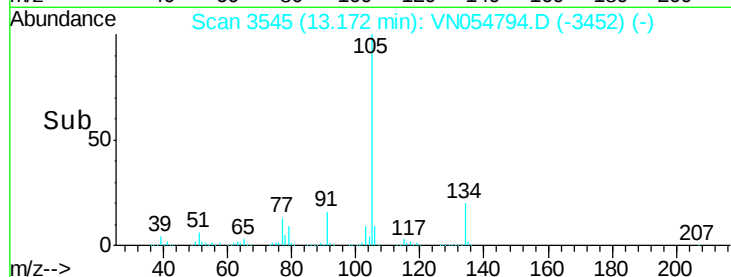
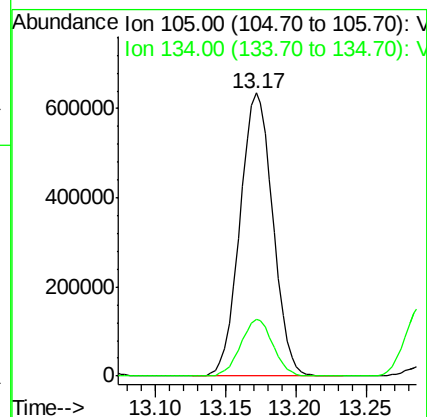
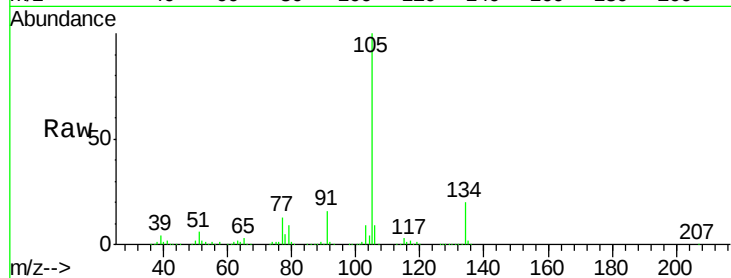
105 100

134 19.8 10.7 32.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 48.911 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

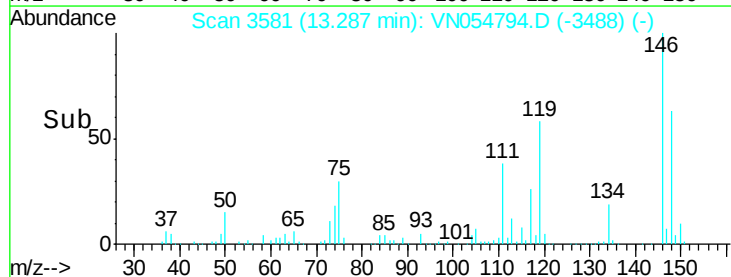
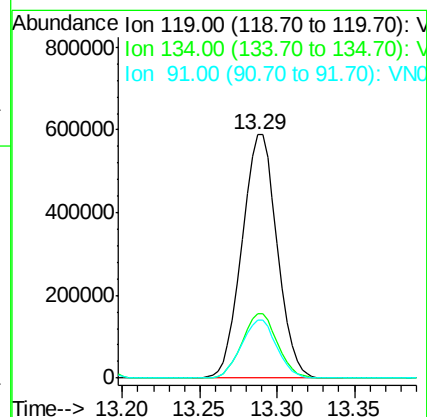
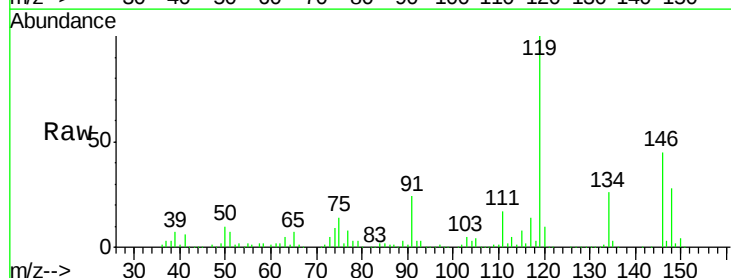
Tgt Ion:119 Resp: 928770

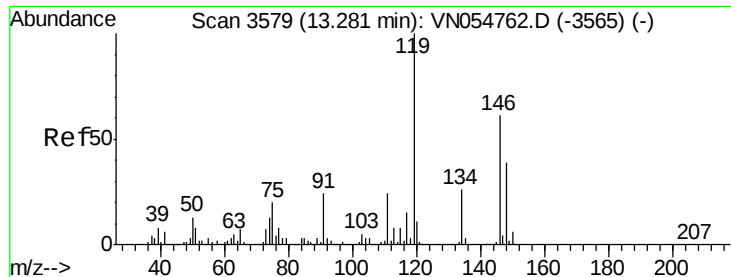
Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

91 23.9 11.1 33.3





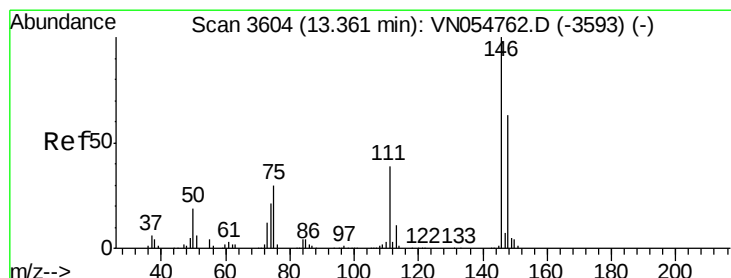
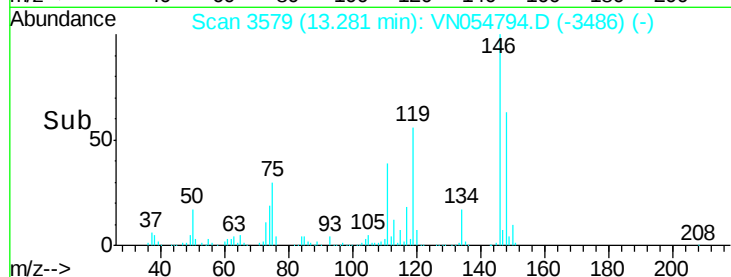
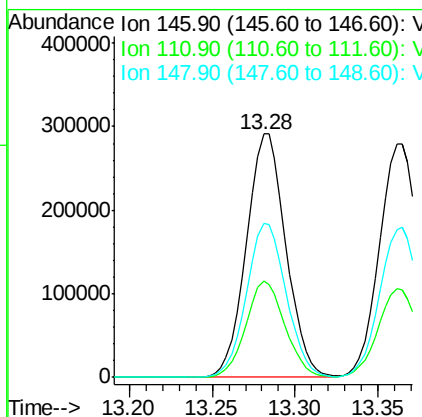
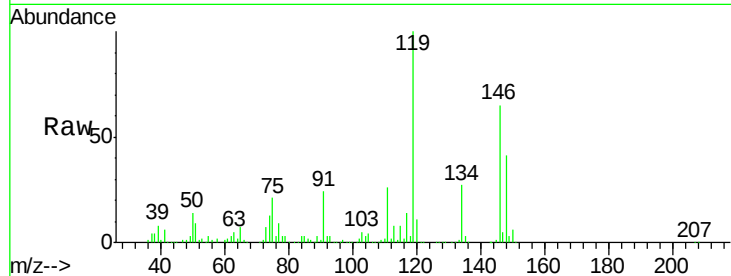
#87
 1,3-Dichlorobenzene
 Concen: 49.487 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	482991		
111	38.9	18.8	56.3	
148	63.6	32.2	96.6	

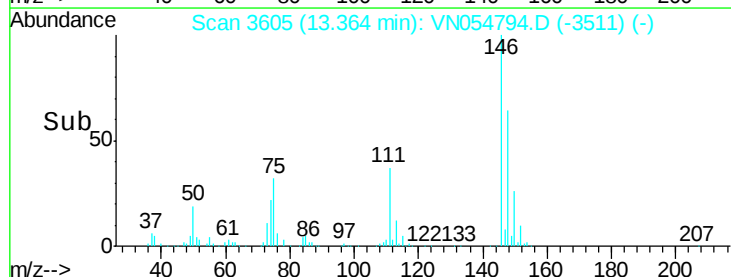
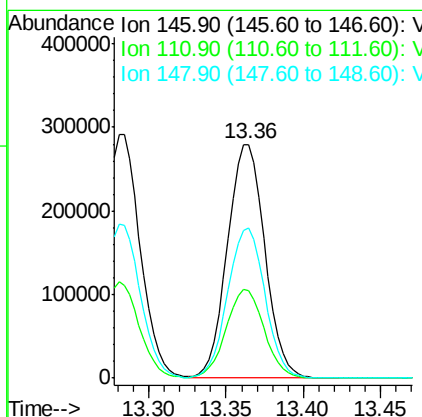
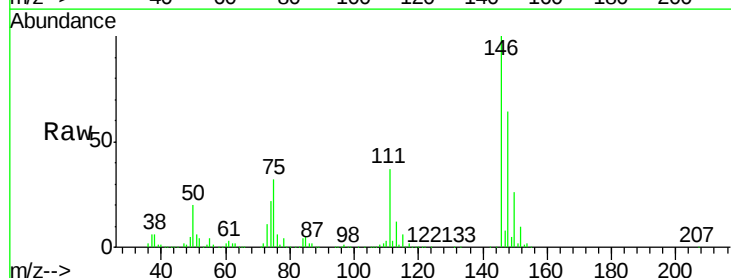
Manual Integrations
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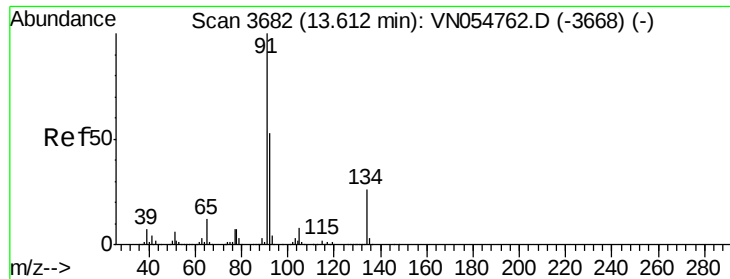
MMDadoda
 4/1/2019 1:32:53 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.099 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	470003		
111	38.4	18.1	54.1	
148	64.0	32.0	96.0	





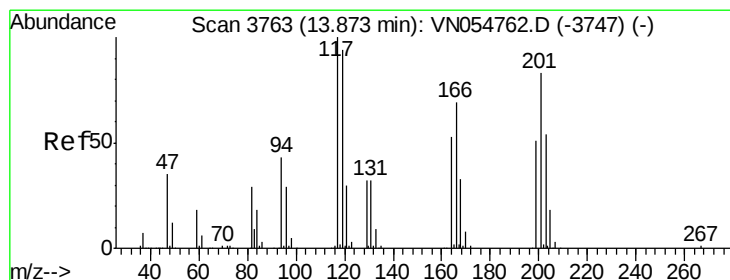
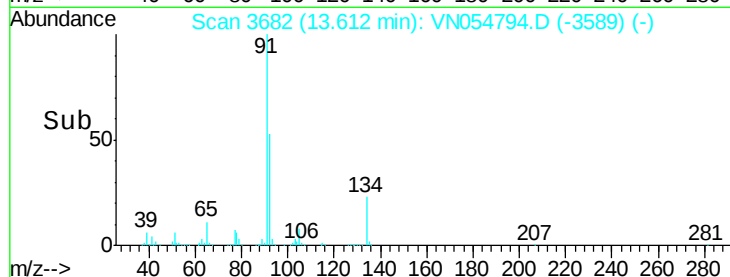
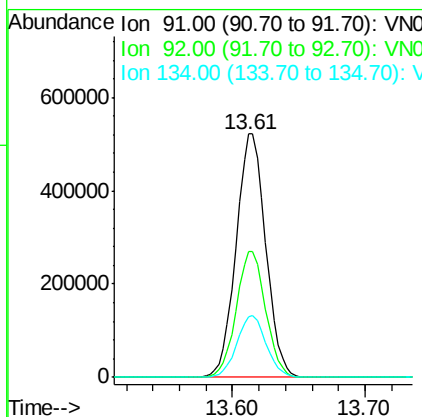
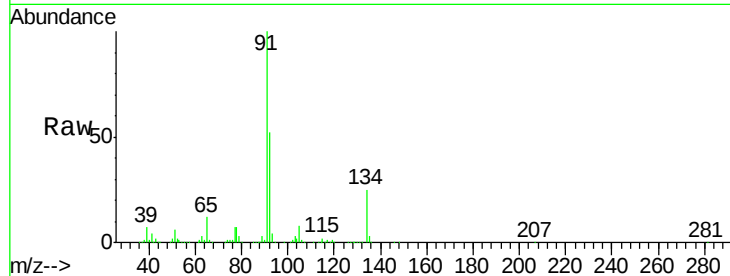
#89
n-Butylbenzene
Concen: 52.128 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.2	78.6
134	25.1	14.3	42.9

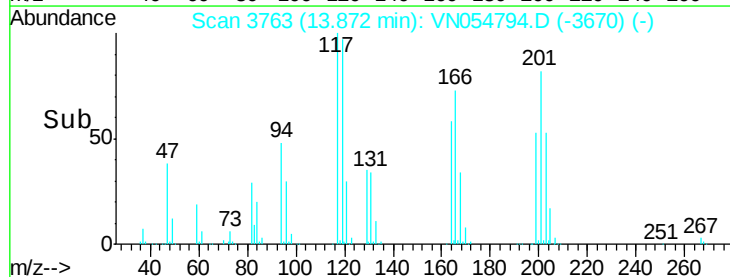
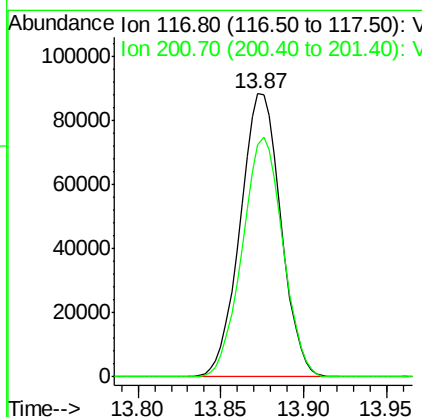
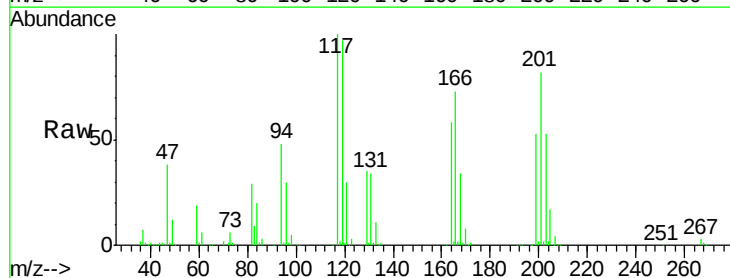
Manual Integrations
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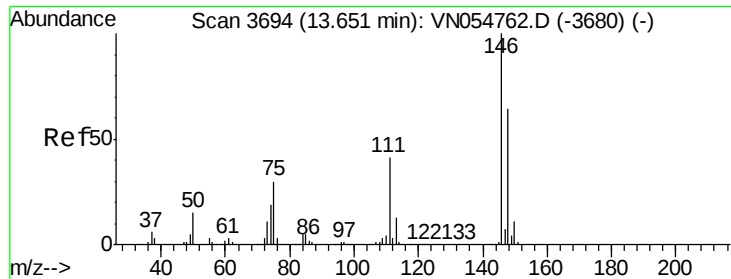
MMDadoda
4/1/2019 1:32:53 PM



#90
Hexachloroethane
Concen: 46.724 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	48.1	144.4





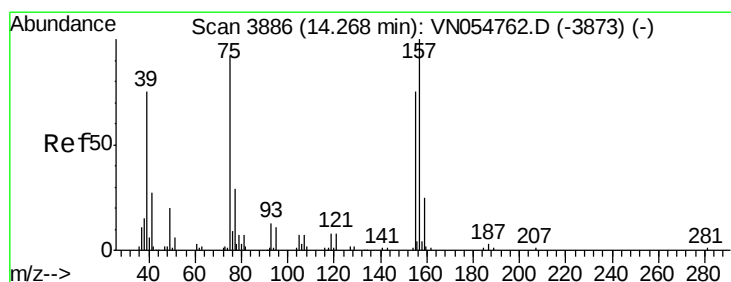
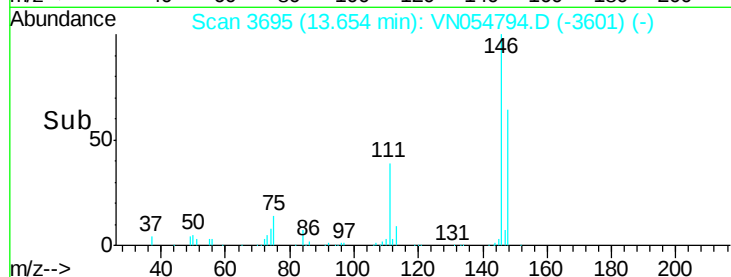
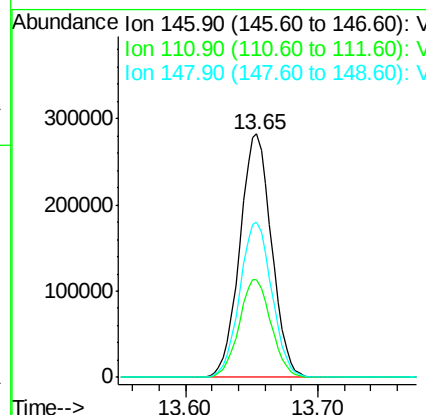
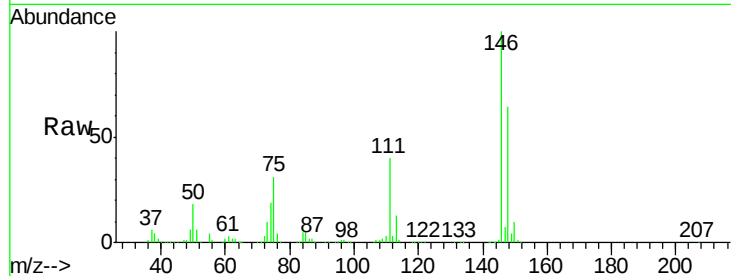
#91
 1,2-Dichlorobenzene
 Concen: 47.610 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.1	57.3
148	64.3	32.4	97.0

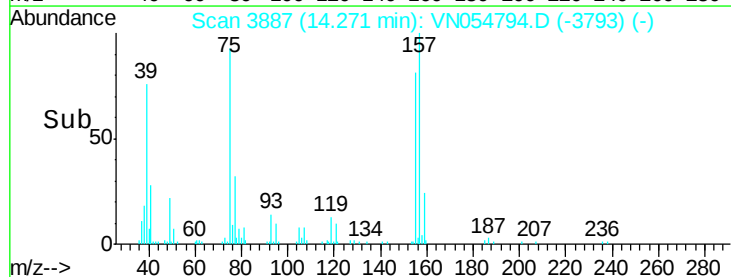
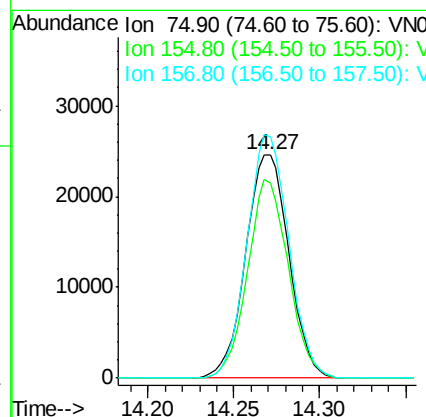
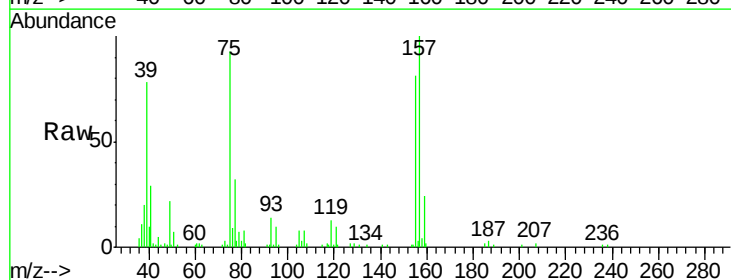
Manual Integrations
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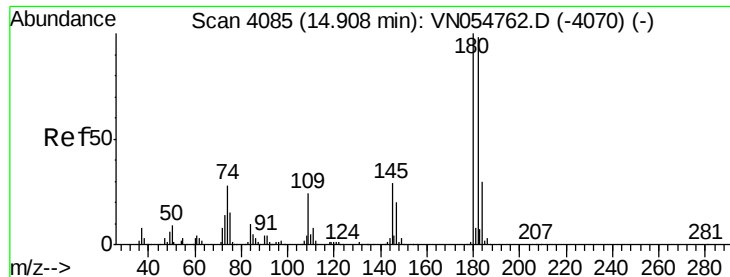
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.999 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054794.D
 Acq: 30 Mar 2019 11:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.9	50.1	150.3
157	105.4	63.1	189.3





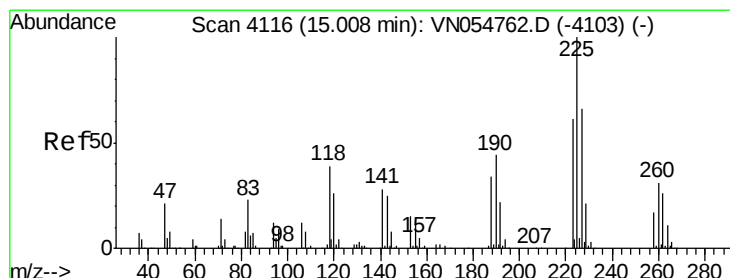
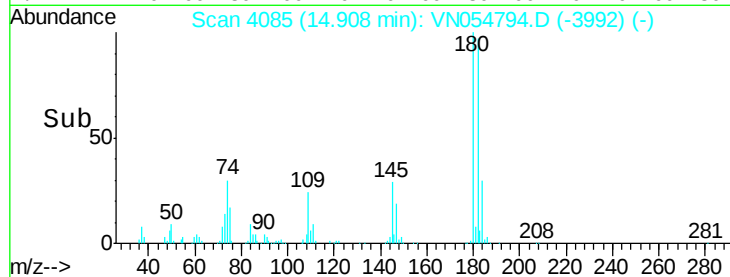
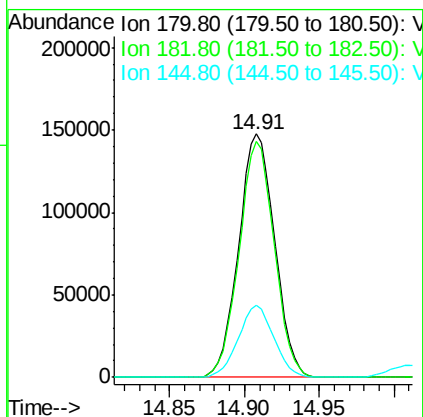
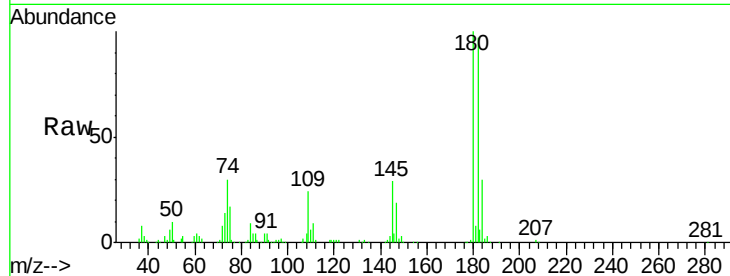
#93
1,2,4-Trichlorobenzene
Concen: 52.143 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. -0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.0	144.2
145	29.0	14.2	42.8

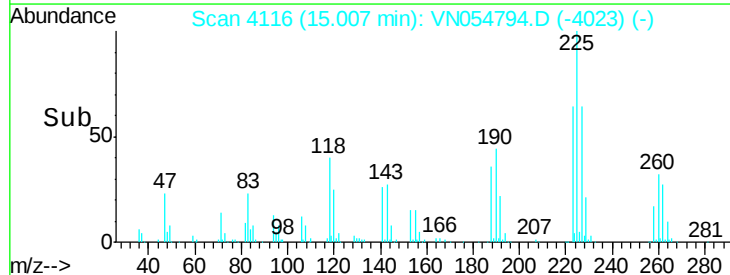
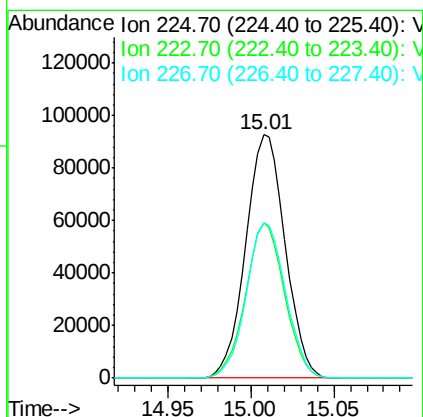
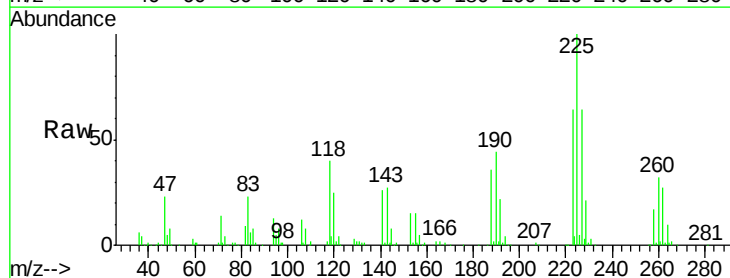
Manual Integrations
APPROVED

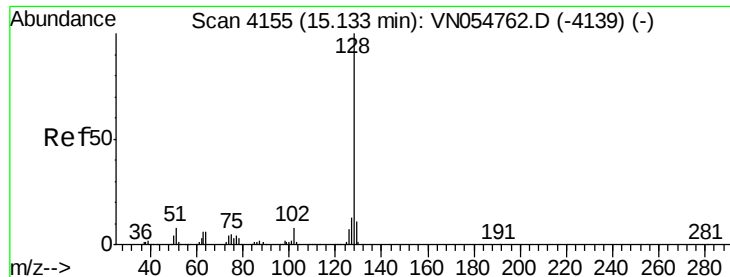
MMDadoda
4/1/2019 1:32:53 PM



#94
Hexachlorobutadiene
Concen: 54.693 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN054794.D
Acq: 30 Mar 2019 11:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.1	93.5
227	63.4	31.9	95.9





#95

Naphthalene

Concen: 50.944 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Instrument :

MSVOA_N

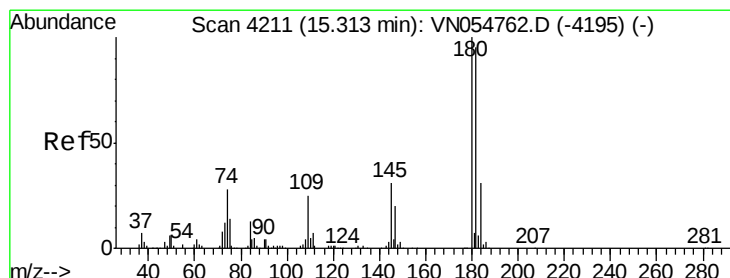
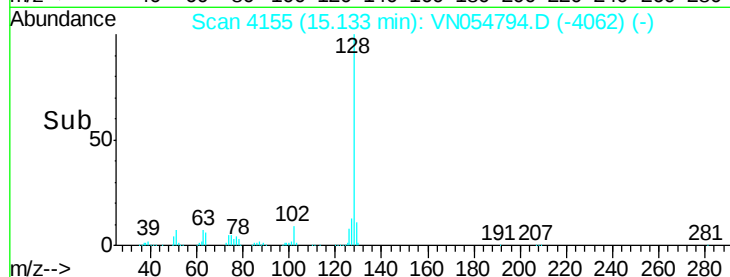
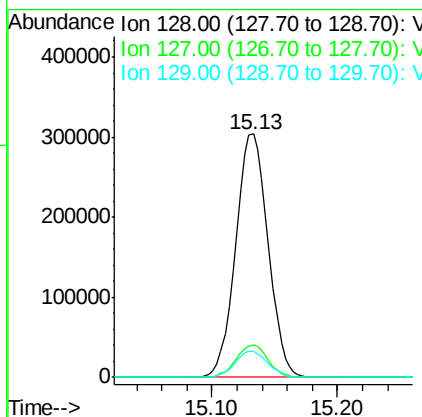
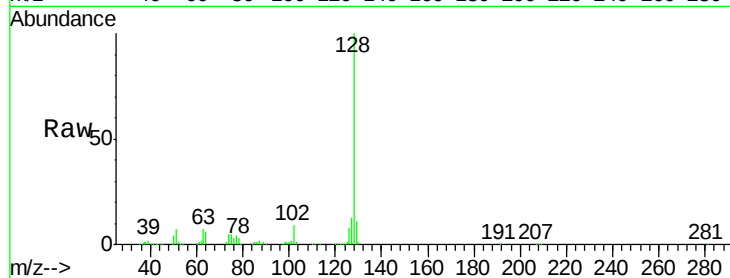
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	542580
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 49.913 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054794.D

Acq: 30 Mar 2019 11:28

Tgt Ion:	180	Resp:	239376
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.5	142.6
145	30.7	14.8	44.3

