

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052747.D
 Acq On : 10 Dec 2018 12:30
 Operator : MD\SY
 Sample : VN1210WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:45:45 PM

Quant Time: Dec 11 01:09:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	161378	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	941415	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	828263	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	325602	29.61	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.70%
60) 4-Bromofluorobenzene	12.40	95	384610	30.37	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.23%
63) Toluene-d8	10.09	98	1122903	29.24	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	168902	18.377	ug/l 100
3) Chloromethane	2.06	50	222050	18.217	ug/l 100
4) Vinyl Chloride	2.19	62	232846	18.927	ug/l 96
5) Bromomethane	2.58	94	127631	18.195	ug/l 98
6) Chloroethane	2.71	64	144558	19.759	ug/l 99
7) Trichlorofluoromethane	3.03	101	300321	19.780	ug/l 98
8) Diethyl Ether	3.41	74	116953	20.861	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	186956	19.424	ug/l 97
10) 1,1-Dichloroethene	3.74	96	182297	20.144	ug/l 97
11) Methyl Iodide	3.96	142	208949	16.630	ug/l 99
12) Methyl Acetate	4.33	43	162306	21.108	ug/l 97
13) Acrolein	3.61	56	24577	27.210	ug/l 92
14) Acrylonitrile	4.99	53	340736	104.002	ug/l 98
15) Acetone	3.82	58	82902	97.707	ug/l 99
16) Carbon Disulfide	4.06	76	519893	18.145	ug/l 100
17) Allyl chloride	4.33	41	285723	18.104	ug/l 99
18) Methylene Chloride	4.55	84	211256	20.161	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	197165	20.245	ug/l 94
20) Diisopropyl ether	5.95	45	665812	20.075	ug/l 98
21) 1,1-Dichloroethane	5.85	63	377452	19.967	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	231233	20.717	ug/l 98
23) tert-Butyl Alcohol	4.77	59	54668m	112.169	ug/l
24) Methyl tert-Butyl Ether	5.05	73	509411	21.457	ug/l 99
25) Chloroform	7.37	83	374457	20.533	ug/l 99
26) Cyclohexane	7.66	56	333246	18.691	ug/l 98
29) 1,1-Dichloropropene	7.79	75	282474	19.649	ug/l 99
30) 2-Butanone	6.84	43	392434	102.013	ug/l 99
31) 2,2-Dichloropropane	6.83	77	276871	20.919	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	305405	20.416	ug/l 98
33) Carbon Tetrachloride	7.78	117	265503	20.285	ug/l 98
34) Benzene	8.04	78	861993	19.943	ug/l 98
35) Methacrylonitrile	7.18	41	107819	22.590	ug/l 98
36) 1,2-Dichloroethane	8.12	62	262642	20.052	ug/l 99
37) Trichloroethene	8.84	130	233434	21.298	ug/l 96
38) Methylcyclohexane	9.08	83	335990	18.879	ug/l 98
39) 1,2-Dichloropropane	9.12	63	230831	19.923	ug/l 99
40) Dibromomethane	9.21	93	132271	21.126	ug/l 96

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	281984	20.385	ug/l	98
42) Vinyl Acetate	5.90	43	1970312	94.663	ug/l	99
43) Ethyl Acetate	6.93	43	173628	21.226	ug/l #	70
44) Isopropyl Acetate	8.16	43	318076	22.172	ug/l	100
45) 1,4-Dioxane	9.20	88	33762	430.185	ug/l	95
46) Methyl methacrylate	9.20	41	157771	21.181	ug/l	99
47) n-amyl Acetate	12.07	43	267677	22.504	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	273250	20.372	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	326919	20.006	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	189830	21.389	ug/l	98
51) Ethyl methacrylate	10.43	69	242001	21.711	ug/l	94
52) 1,3-Dichloropropane	10.71	76	324306	20.529	ug/l	100
53) Dibromochloromethane	10.90	129	206155	21.098	ug/l	99
54) 1,2-Dibromoethane	11.01	107	183544	21.164	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	674764	103.416	ug/l	99
56) Bromoform	12.13	173	133648	20.926	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	866119	107.863	ug/l	99
59) 2-Hexanone	10.75	43	588328	107.256	ug/l	97
61) Tetrachloroethene	10.63	164	247289	24.241	ug/l	97
62) Toluene	10.16	91	920950	20.170	ug/l	100
64) Chlorobenzene	11.43	112	573241	20.569	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	200588	20.735	ug/l	99
66) Ethyl Benzene	11.51	91	994954	20.218	ug/l	99
67) m/p-Xylenes	11.62	106	755900	41.230	ug/l	98
68) o-Xylene	11.95	106	368184	20.691	ug/l	99
69) Styrene	11.96	104	595788	20.743	ug/l	100
70) Isopropylbenzene	12.25	105	972594	20.542	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	214170	20.795	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	201863m	22.832	ug/l	
73) Bromobenzene	12.53	156	246321	21.511	ug/l	95
74) n-propylbenzene	12.59	91	1118368	20.273	ug/l	99
75) 2-Chlorotoluene	12.68	91	657256	20.526	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	796865	20.838	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	58545	20.962	ug/l	97
78) 4-Chlorotoluene	12.77	91	664227	20.773	ug/l	100
79) tert-butylbenzene	12.99	119	703745	21.131	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	806602	21.079	ug/l	100
81) sec-Butylbenzene	13.17	105	955105	20.589	ug/l	100
82) p-Isopropyltoluene	13.29	119	816169	20.662	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	437244	21.711	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	421448	21.659	ug/l	98
85) n-Butylbenzene	13.62	91	681349	20.081	ug/l	99
86) Hexachloroethane	13.88	117	132600	19.812	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	426484	22.253	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	33474	23.203	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	232926	24.669	ug/l	99
90) Hexachlorobutadiene	15.01	225	131162	21.176	ug/l	99
91) Naphthalene	15.13	128	504990	26.484	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	215720	24.791	ug/l	99

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ClientSampleId :
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QLast Update : Tue Nov 27 00:48:33 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

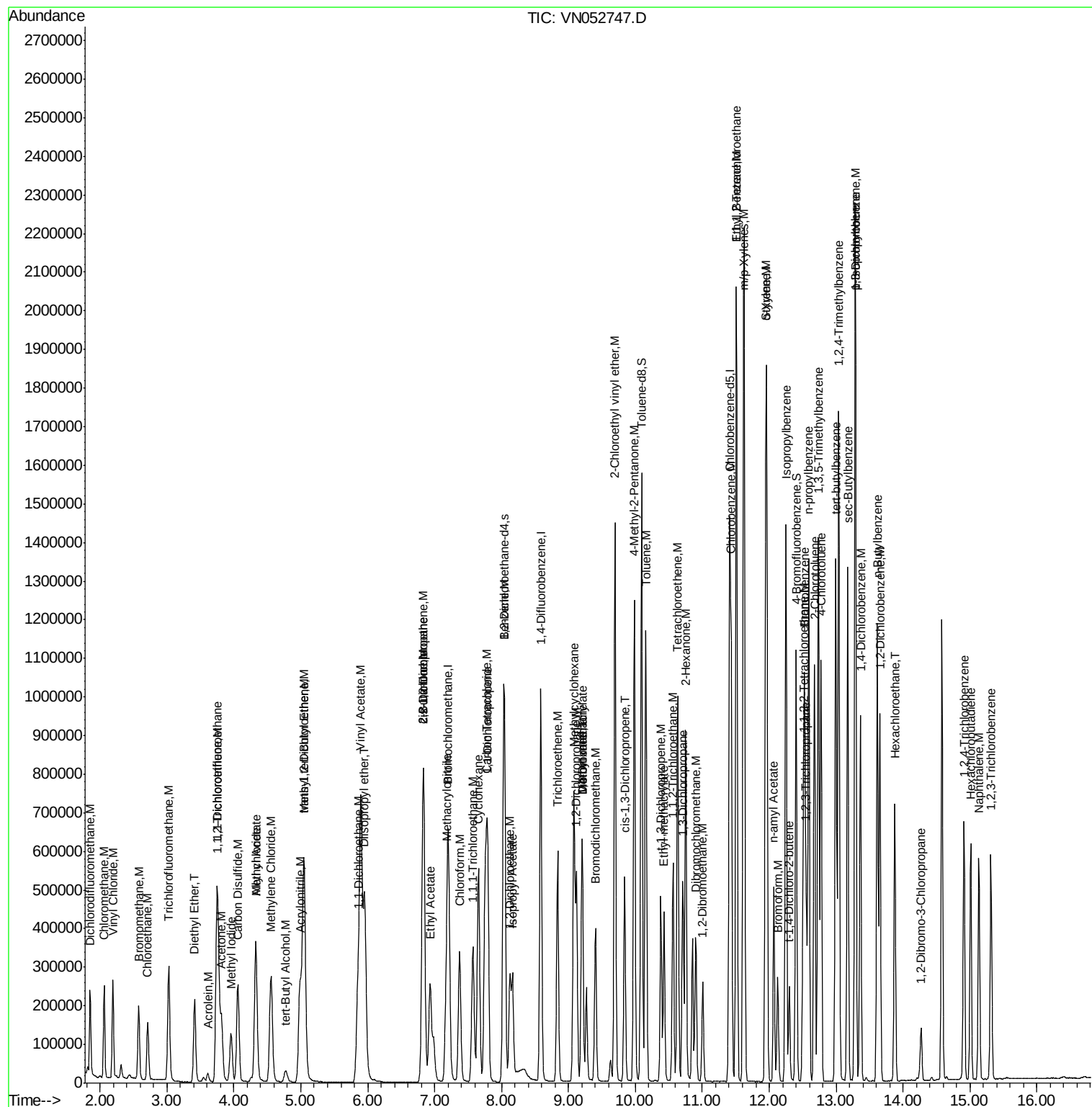
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
Data File : VN052747.D
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Operator : MD\SY
Sample : VN1210WBSD01
Misc : 5.00mL/MSVOA N/WATER
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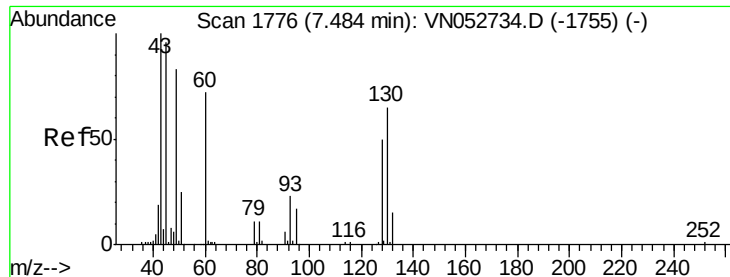
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Manual Integrations
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12/11/2018 12:45:45 PM

Quant Time: Dec 11 01:09:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

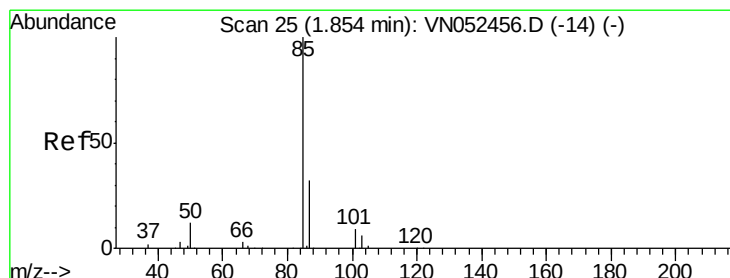
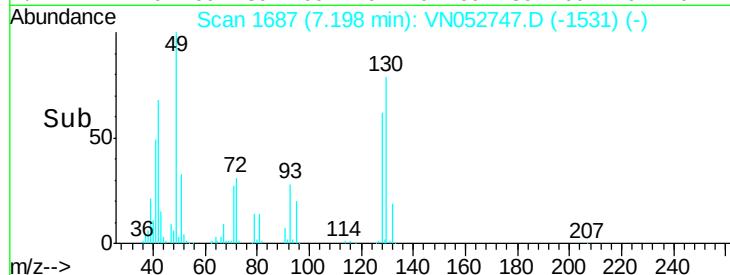
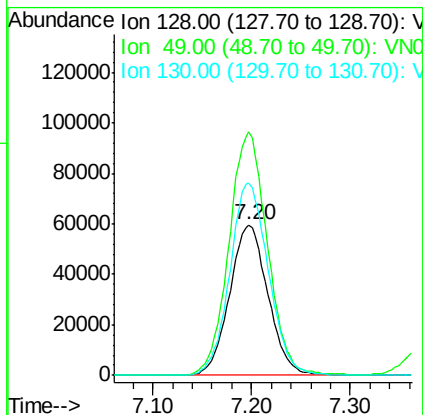
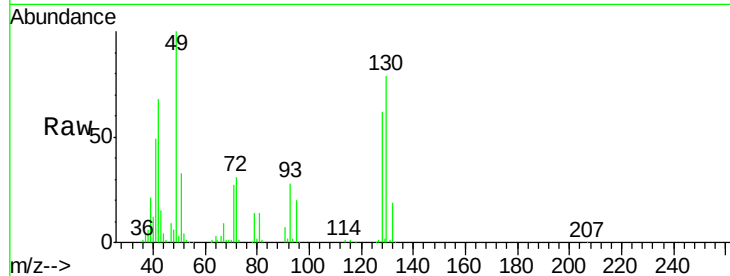
ClientSampleId :

VN1210WBSD01

Tot Ion:	128	Resp:	161378
Ion	Ratio	Lower	Upper
128	100		
49	161.4	0.0	431.8
130	128.7	0.0	317.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 18.377 ug/l

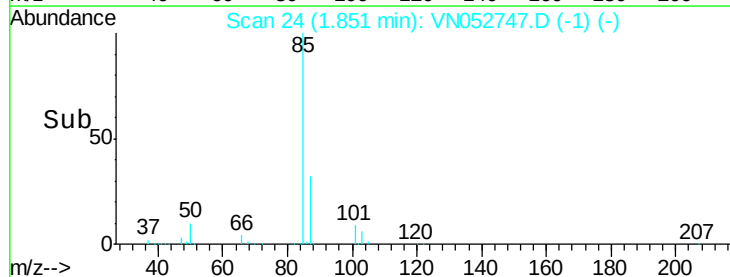
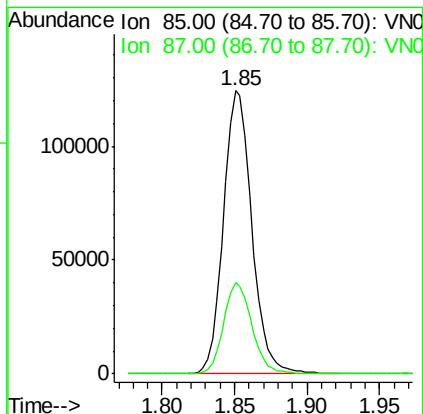
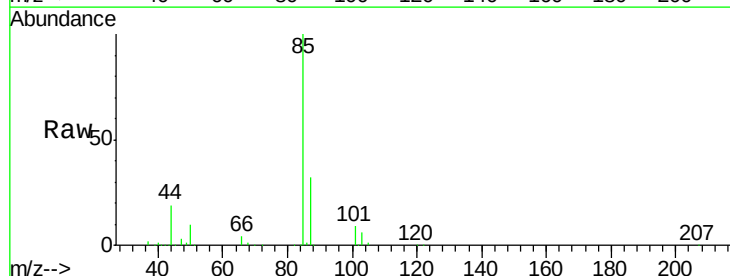
RT: 1.85 min Scan# 24

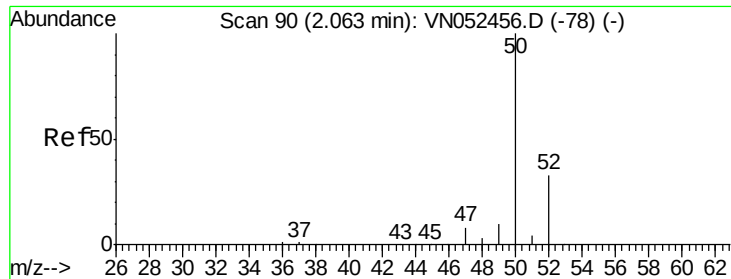
Delta R.T. -0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Tgt Ion:	85	Resp:	168902
Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.1	48.3





#3

Chloromethane

Concen: 18.217 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion: 50 Resp: 222050

Ion Ratio Lower Upper

50 100

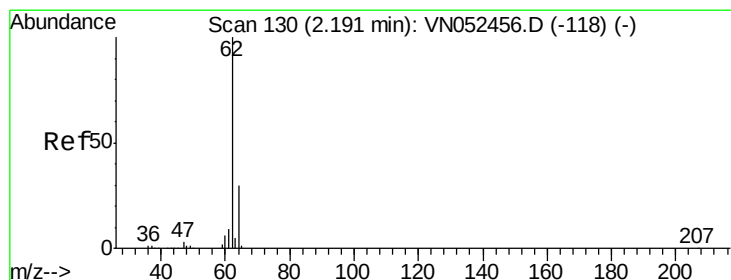
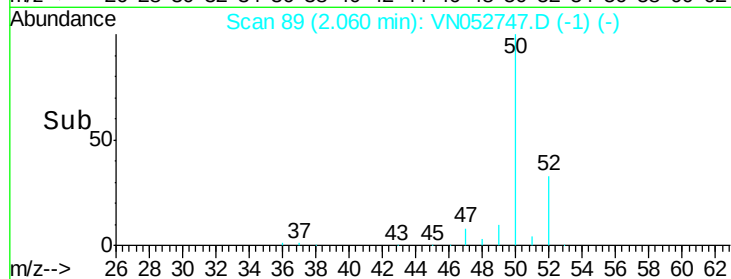
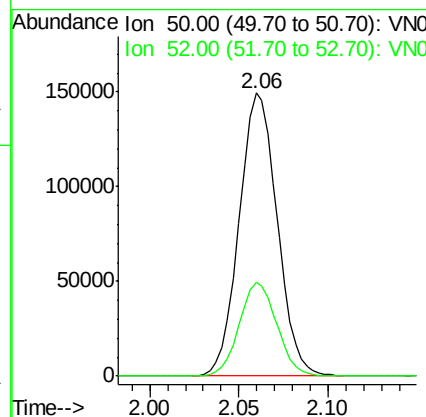
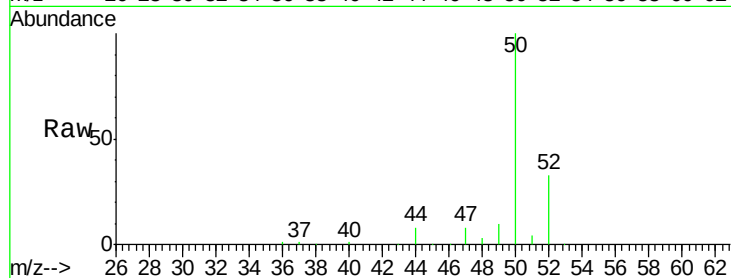
52 33.1 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.927 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052747.D

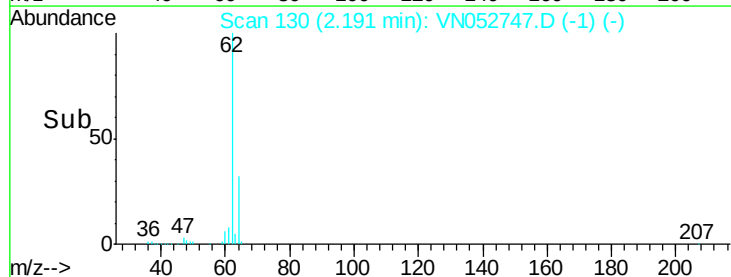
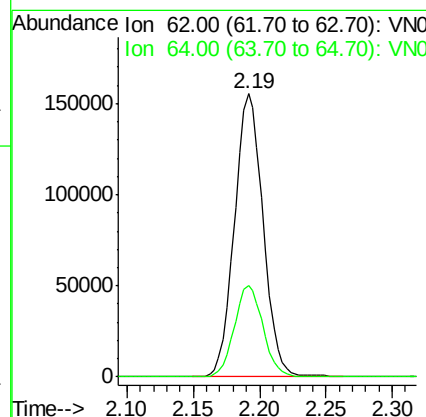
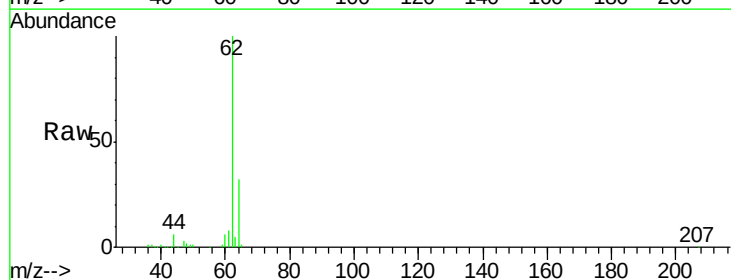
Acq: 10 Dec 2018 12:30

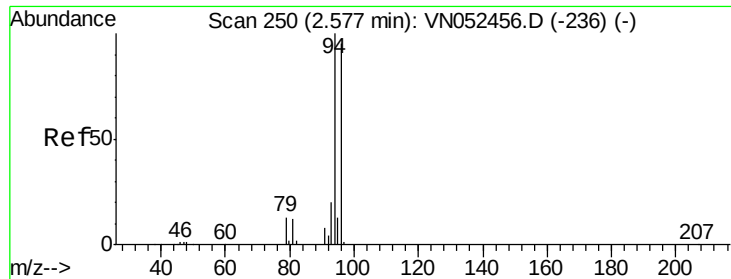
Tgt Ion: 62 Resp: 232846

Ion Ratio Lower Upper

62 100

64 32.3 24.2 36.4





#5

Bromomethane

Concen: 18.195 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion: 94 Resp: 127631

Ion Ratio Lower Upper

94 100

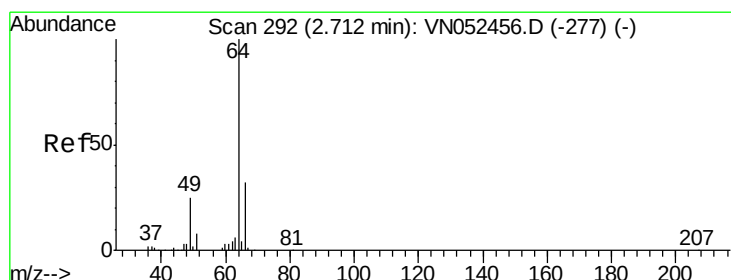
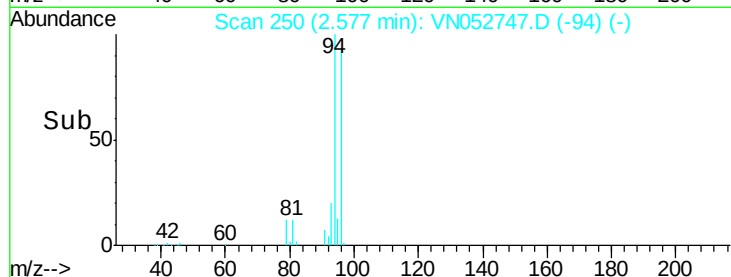
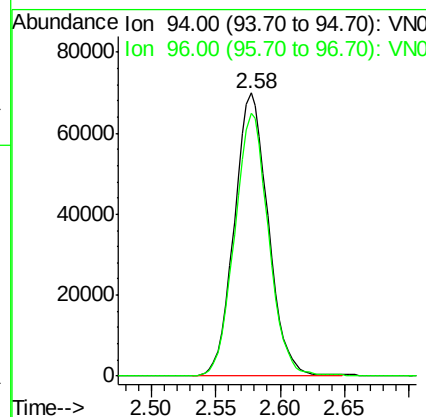
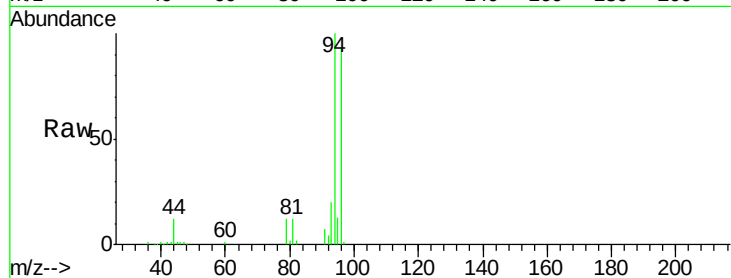
96 92.8 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 19.759 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052747.D

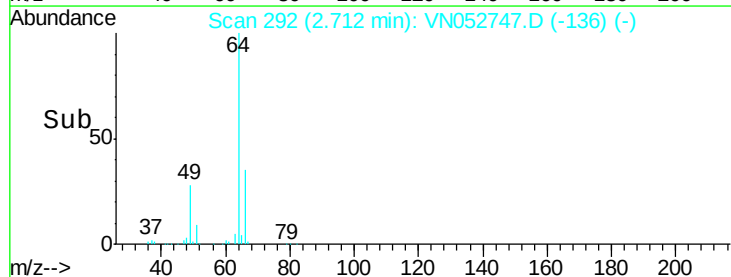
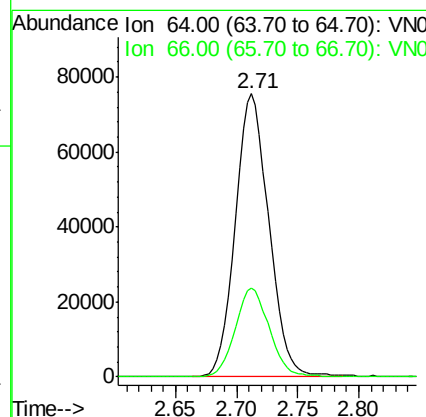
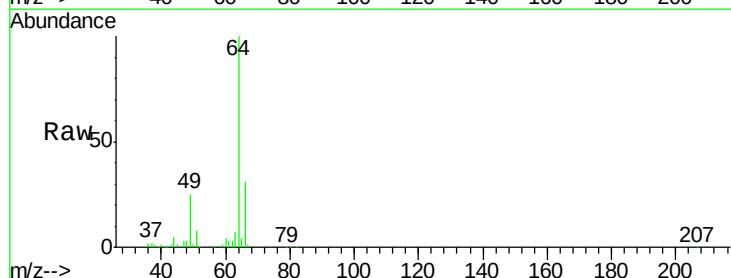
Acq: 10 Dec 2018 12:30

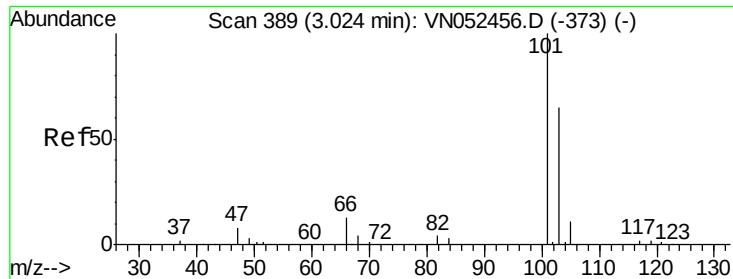
Tgt Ion: 64 Resp: 144558

Ion Ratio Lower Upper

64 100

66 31.5 25.6 38.4





#7

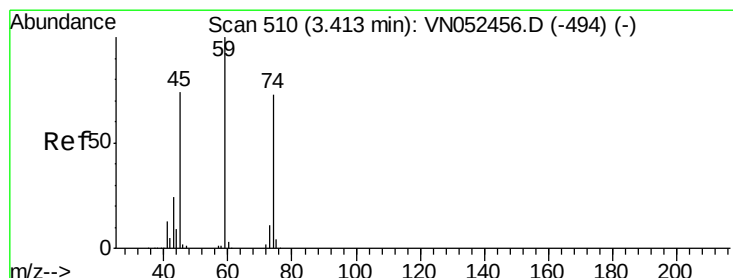
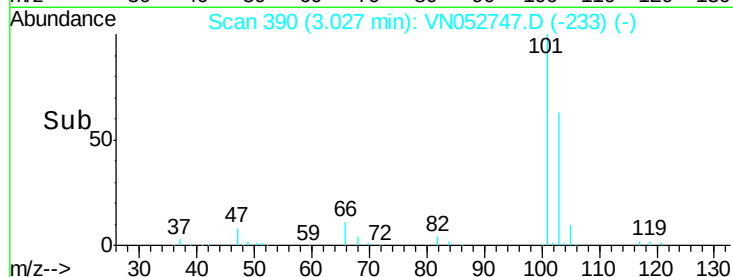
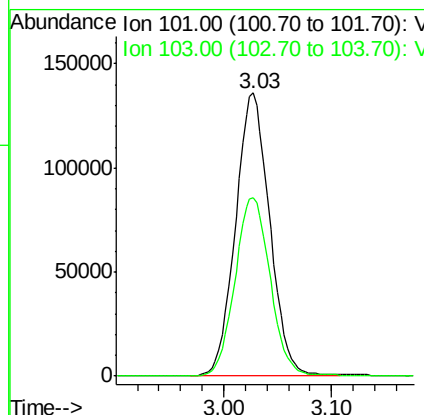
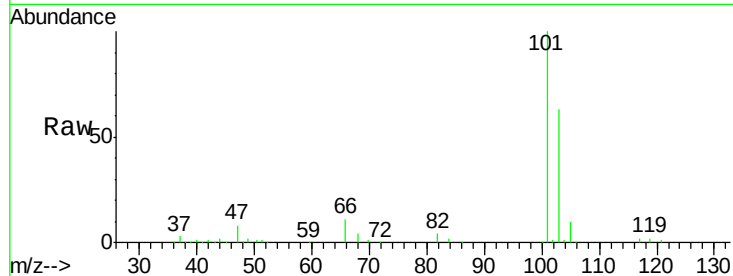
Trichlorofluoromethane
Concen: 19.780 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Instrument :
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ClientSampleId :
VN1210WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		300321		
103	63.1	52.1	78.1		

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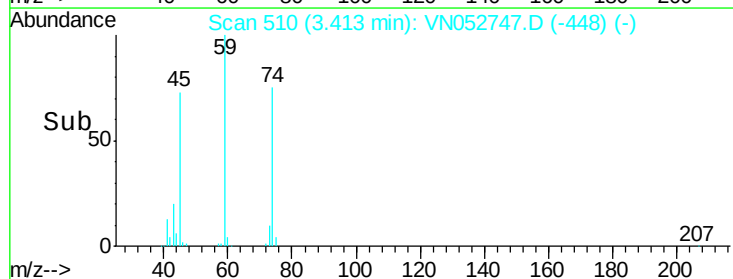
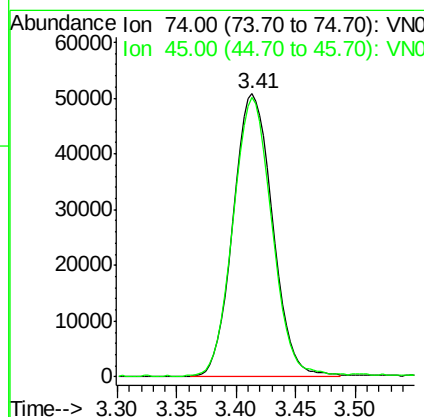
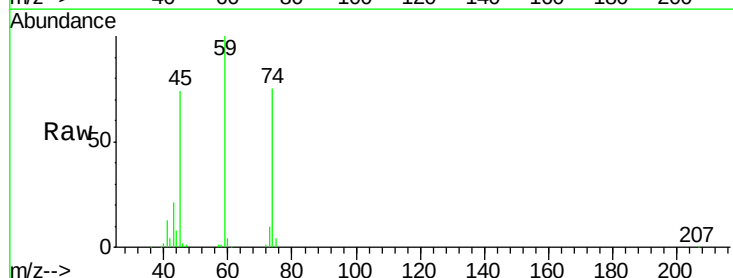
MMDadoda
12/11/2018 12:45:45 PM

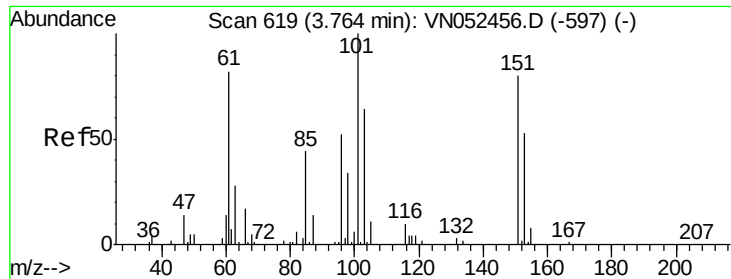


#8

Diethyl Ether
Concen: 20.861 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		116953		
45	97.4	20.6	185.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.424 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.01 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

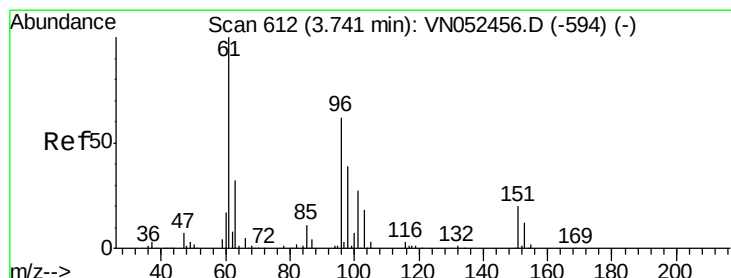
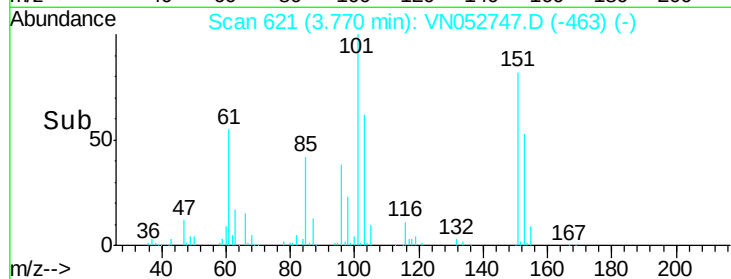
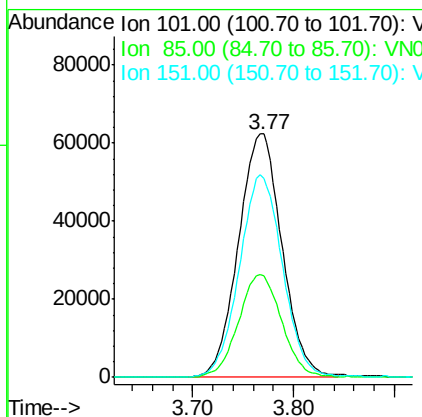
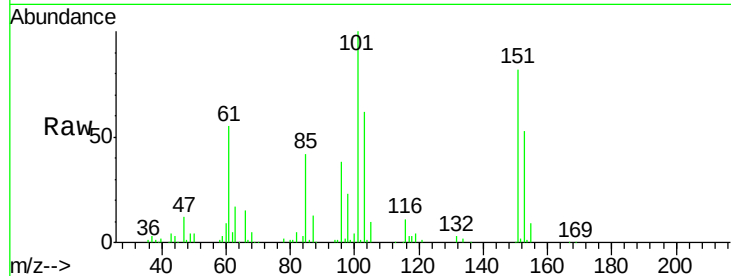
ClientSampleId :

VN1210WBSD01

Tot Ion:	101	Resp:	186956
Ion Ratio	Lower	Upper	
101	100		
85	41.9	0.0	82.6
151	82.5	0.0	158.4

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#10

1,1-Dichloroethene

Concen: 20.144 ug/l

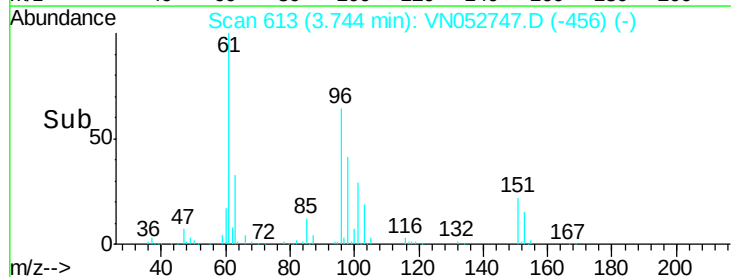
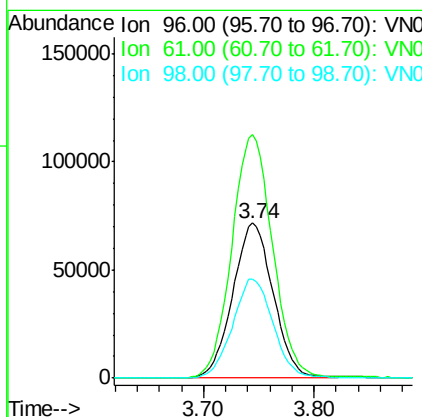
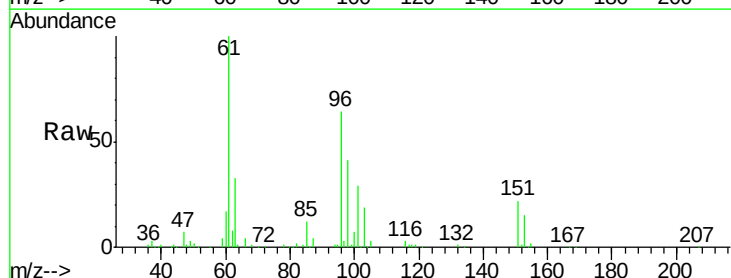
RT: 3.74 min Scan# 613

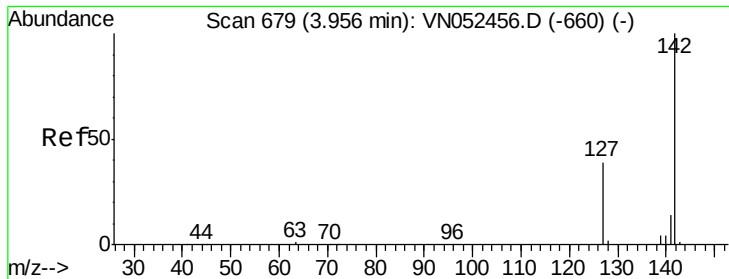
Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Tgt Ion:	96	Resp:	182297
Ion Ratio	Lower	Upper	
96	100		
61	156.4	129.4	194.2
98	63.8	50.4	75.6





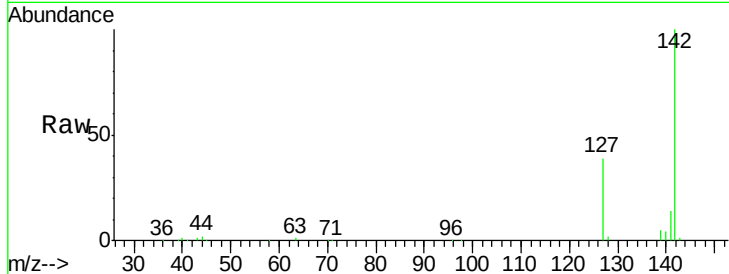
#11
Methyl Iodide
Concen: 16.630 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

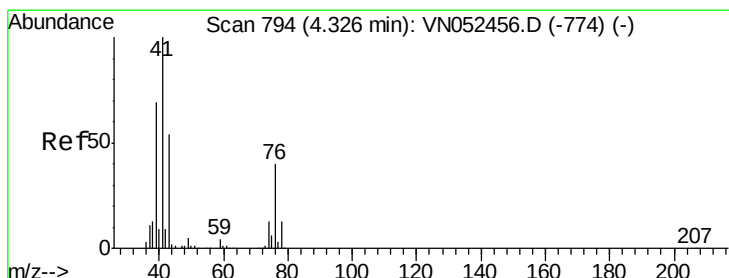
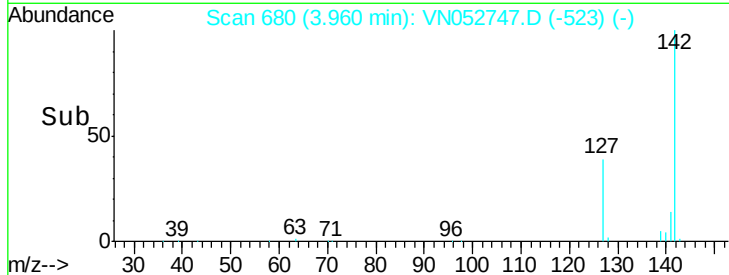
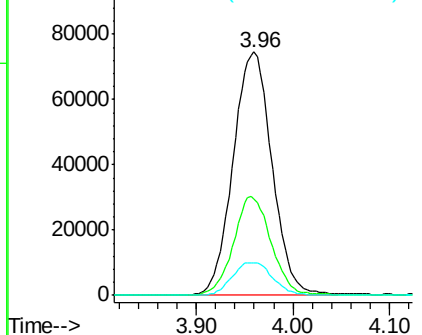
Tot Ion	Ratio	Lower	Upper
142	100		
127	39.4	19.4	58.1
141	13.6	7.2	21.6

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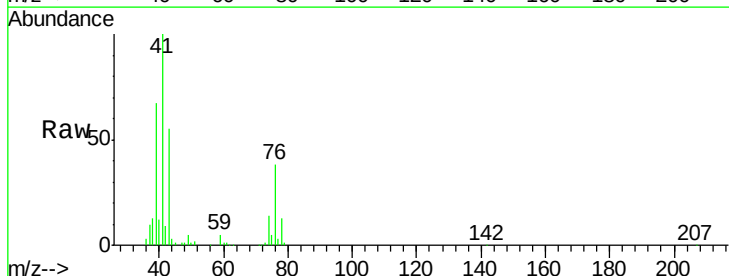


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

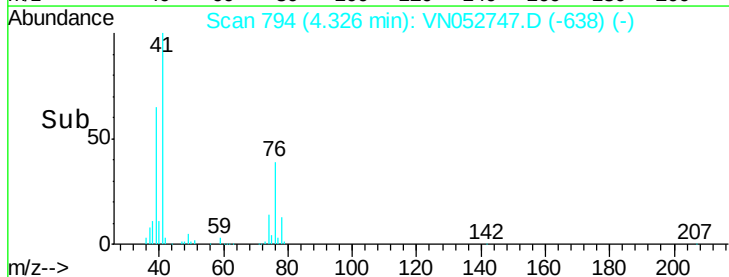
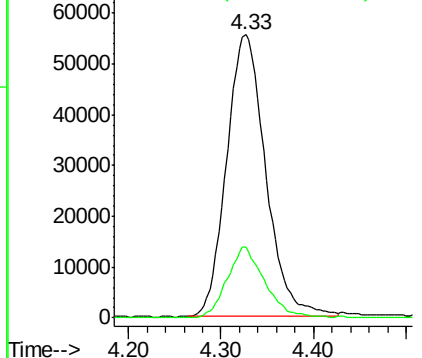


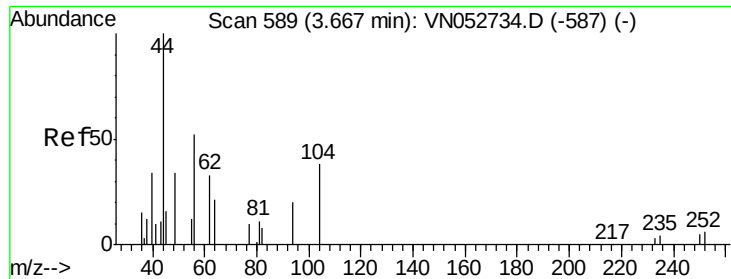
#12
Methyl Acetate
Concen: 21.108 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	18.9	28.3



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





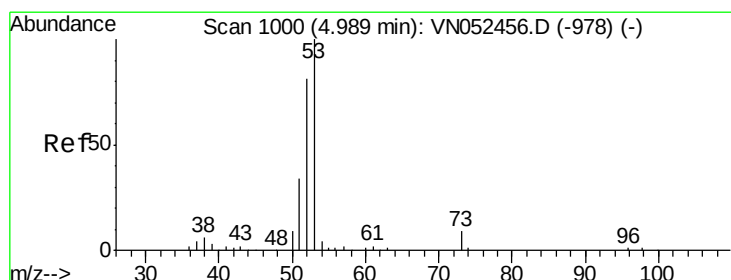
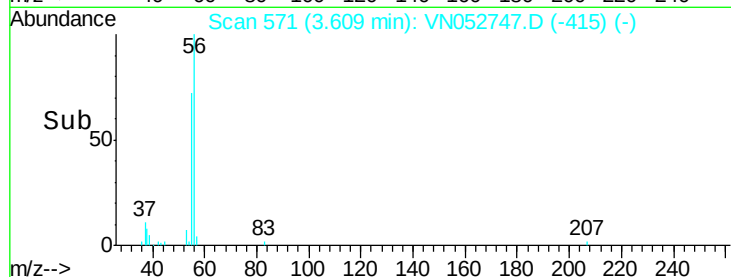
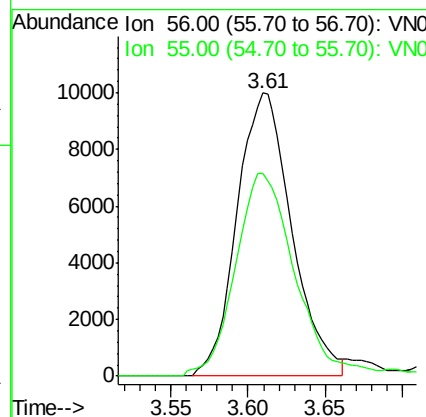
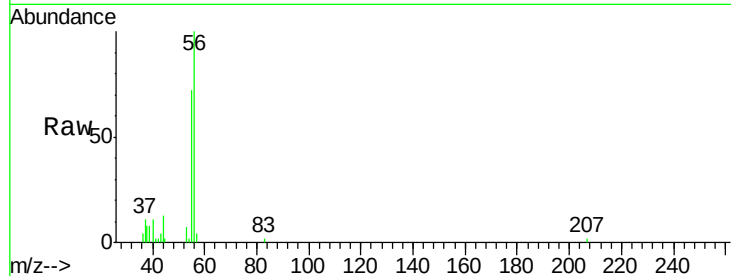
#13
Acrolein
Concen: 27.210 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion: 56 Resp: 24577
Ion Ratio Lower Upper
56 100
55 77.5 56.7 85.1

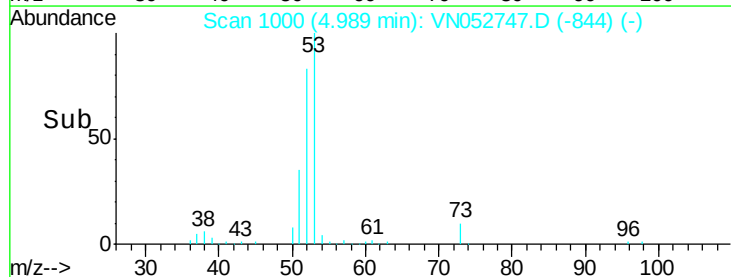
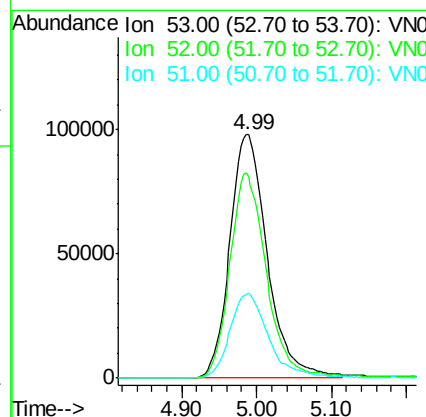
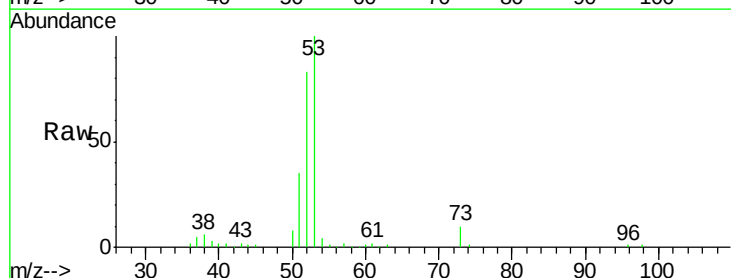
Manual Integrations
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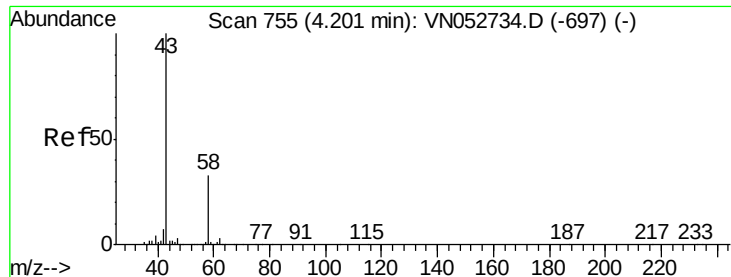
MMDadoda
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#14
Acrylonitrile
Concen: 104.002 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion: 53 Resp: 340736
Ion Ratio Lower Upper
53 100
52 81.7 39.9 119.7
51 35.4 17.6 52.9





#15

Acetone

Concen: 97.707 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion: 58 Resp: 82902

Ion Ratio Lower Upper

58 100

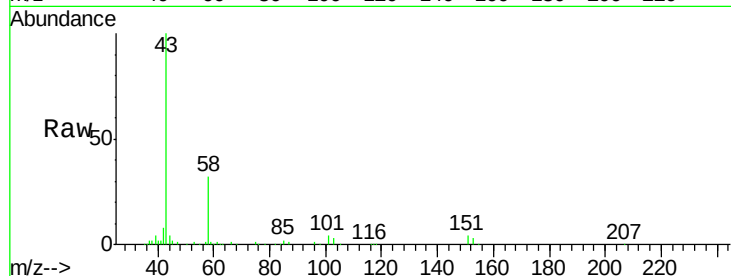
43 307.2 243.6 365.4

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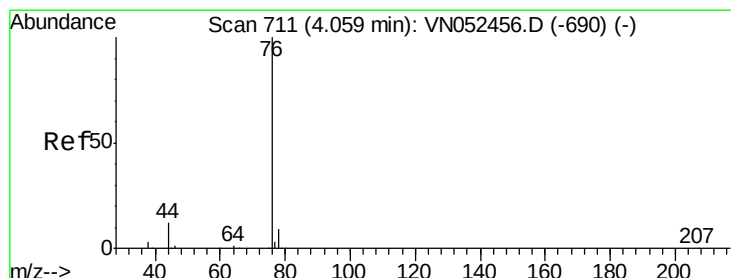
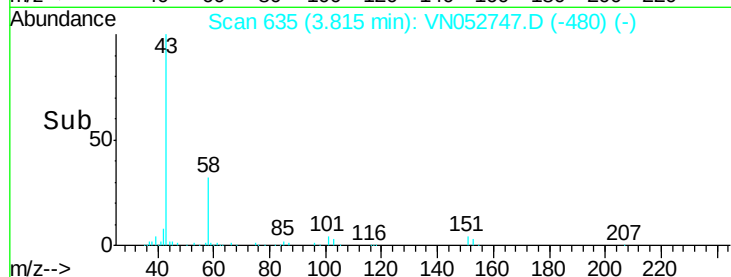
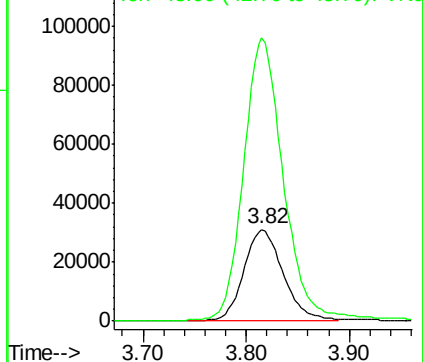
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.145 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052747.D

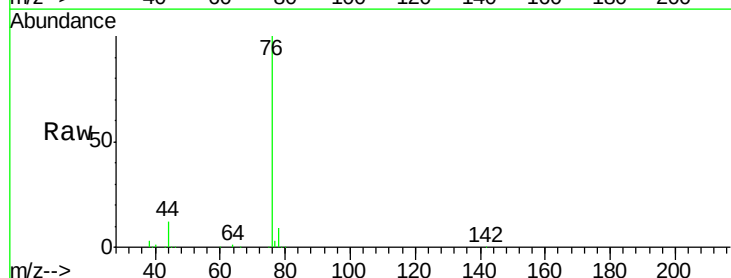
Acq: 10 Dec 2018 12:30

Tgt Ion: 76 Resp: 519893

Ion Ratio Lower Upper

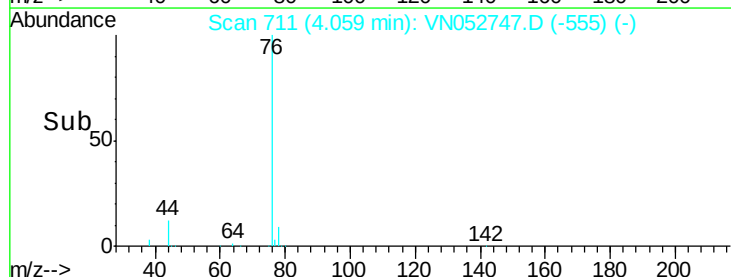
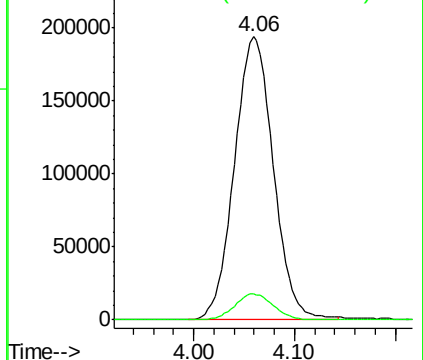
76 100

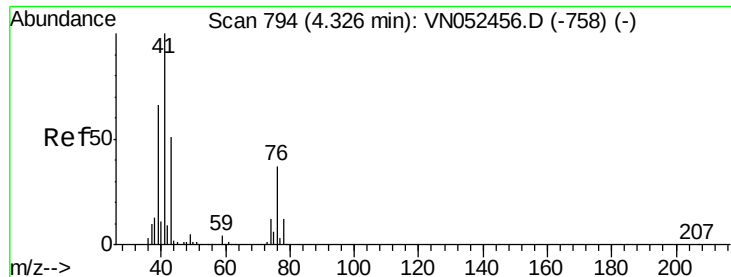
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





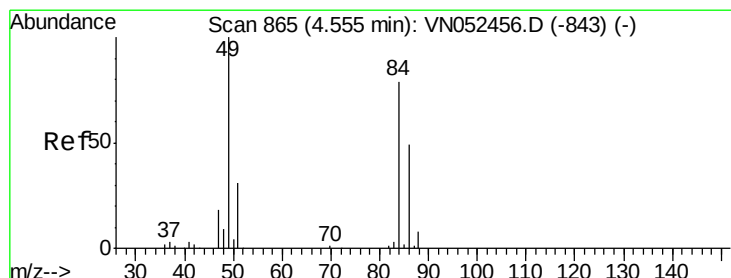
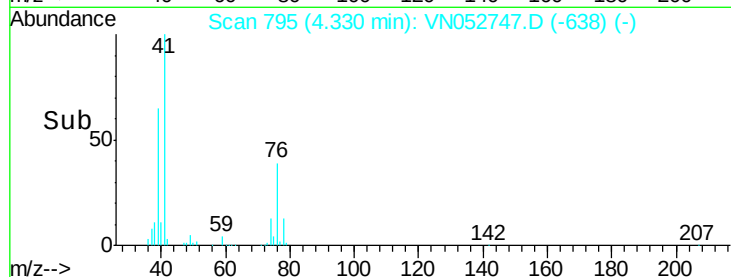
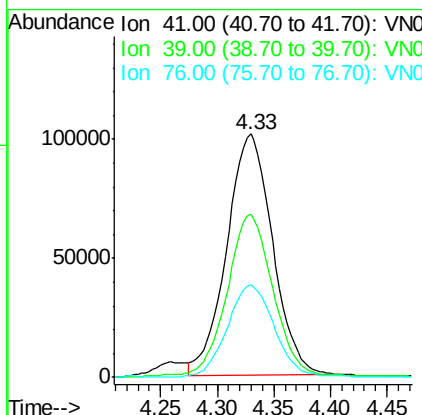
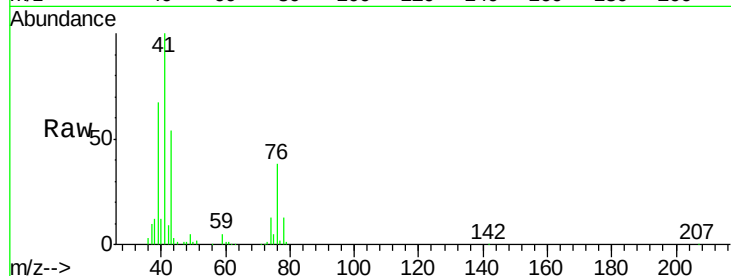
#17
Allvl chloride
Concen: 18.104 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.7	32.8	98.3
76	38.0	18.6	55.8

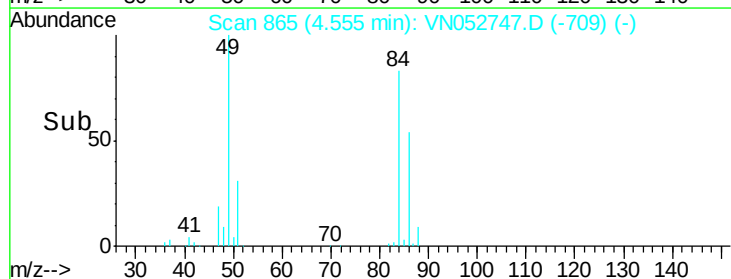
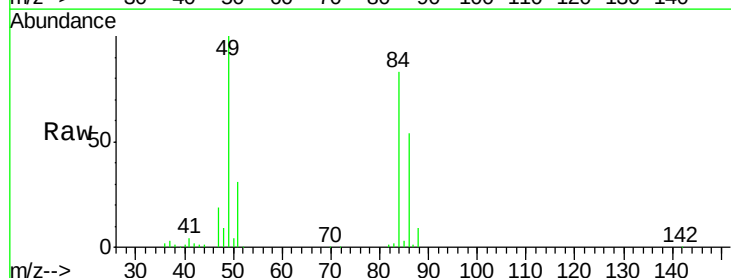
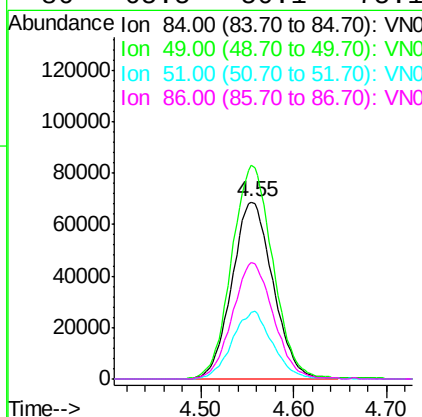
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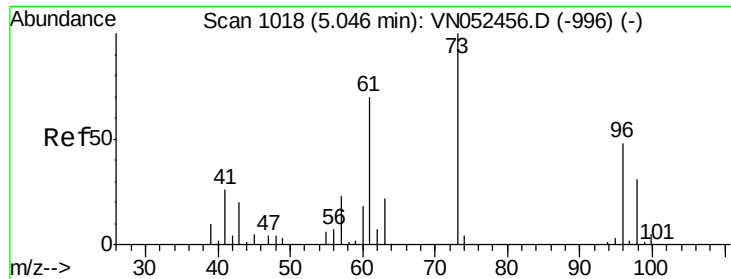
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#18
Methylene Chloride
Concen: 20.161 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.1	101.4	152.0
51	37.4	31.7	47.5
86	65.5	50.1	75.1





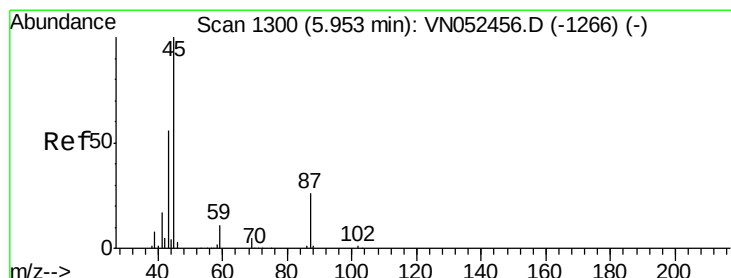
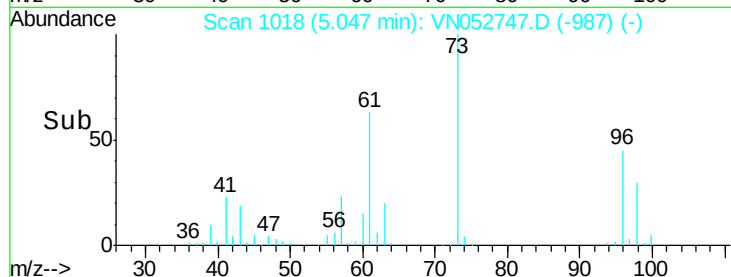
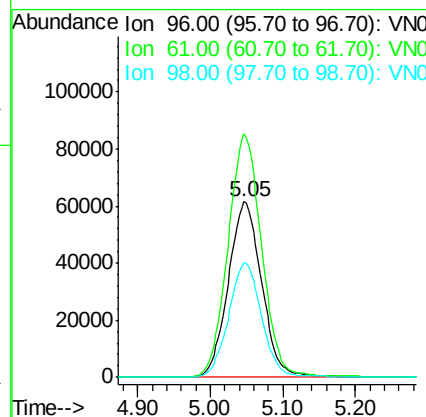
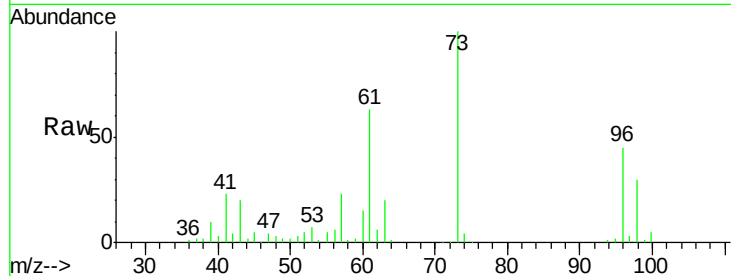
#19
trans-1,2-Dichloroethene
Concen: 20.245 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.4	118.2	177.4
98	65.6	51.4	77.2

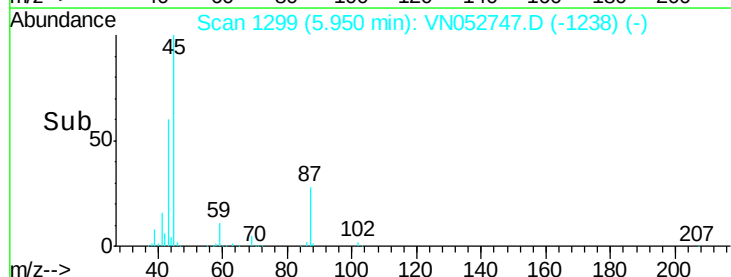
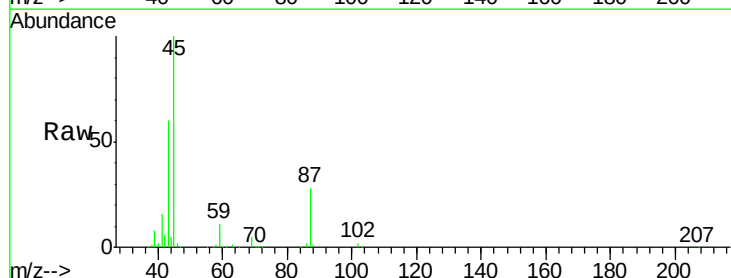
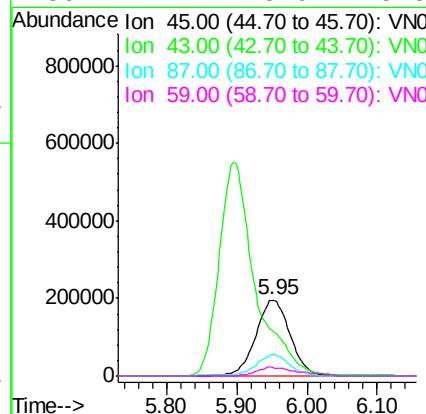
Manual Integrations
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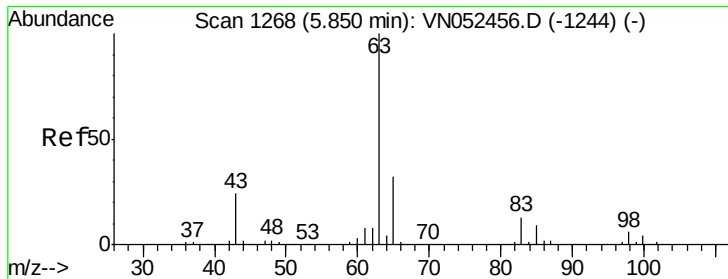
MMDadoda
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#20
Diisopropyl ether
Concen: 20.075 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.3	47.8	71.8
87	28.0	21.3	31.9
59	11.1	8.9	13.3





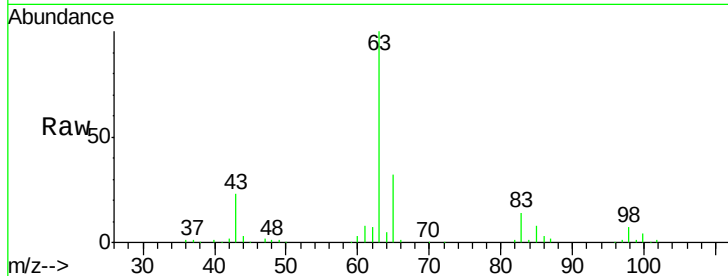
#21
 1,1-Dichloroethane
 Concen: 19.967 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

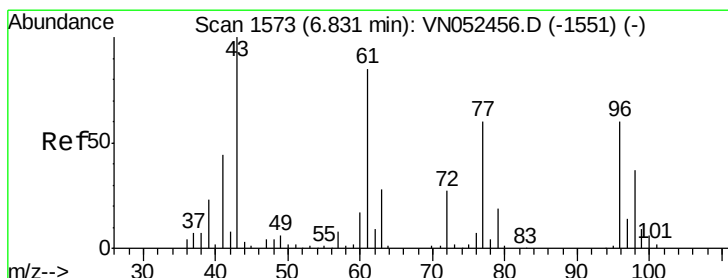
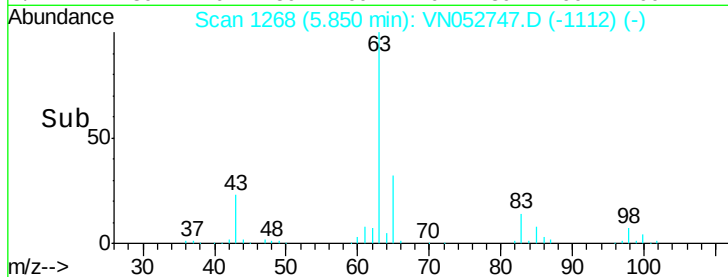
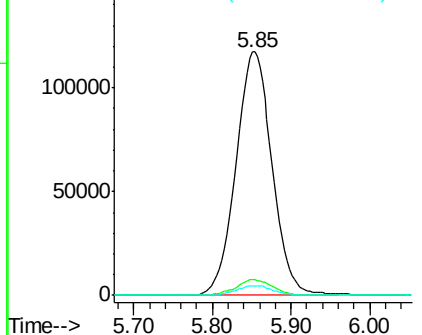
Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.7	3.0	9.2	
100	4.0	1.8	5.5	

Manual Integrations
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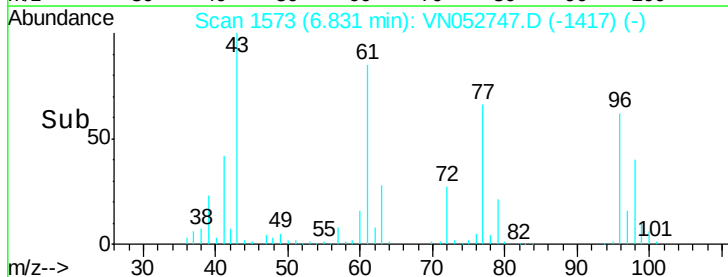
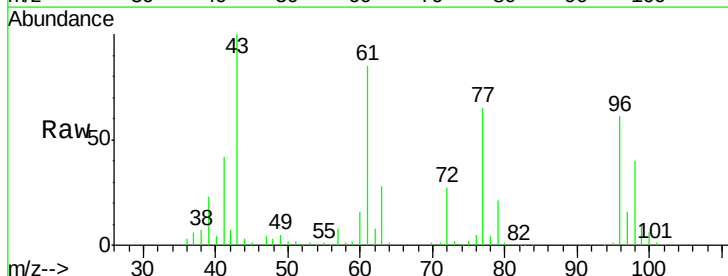
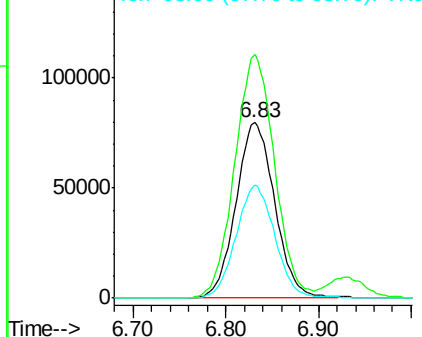
Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

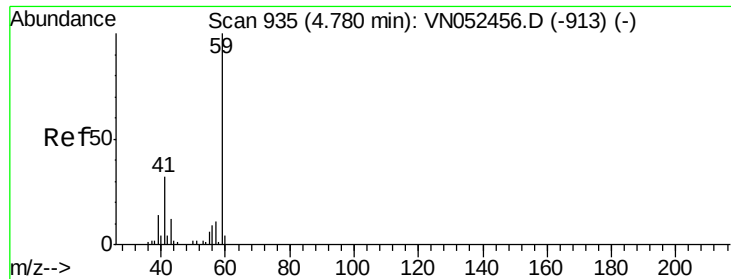


#22
 cis-1,2-Dichloroethene
 Concen: 20.717 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.2	116.7	175.1	
98	64.3	50.8	76.2	

Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 112.169 ug/l m

RT: 4.77 min Scan# 932

Delta R.T. -0.01 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion: 59 Resp: 54668

Ion Ratio Lower Upper

59 100

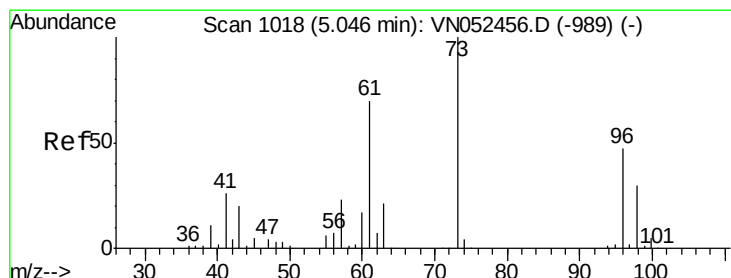
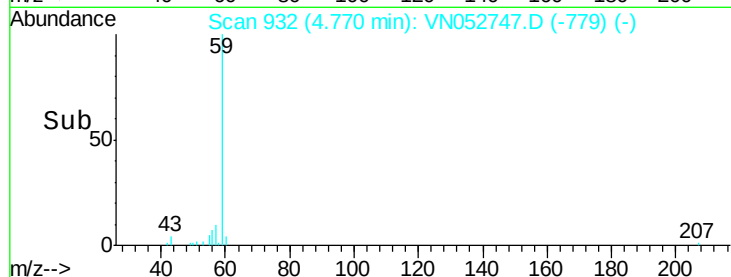
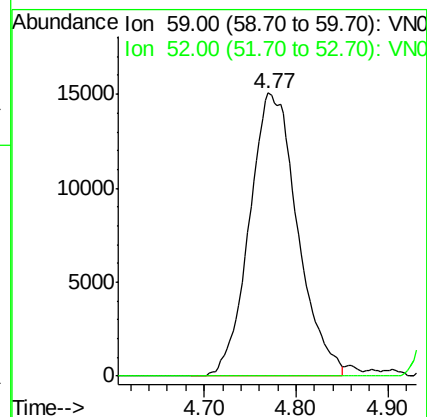
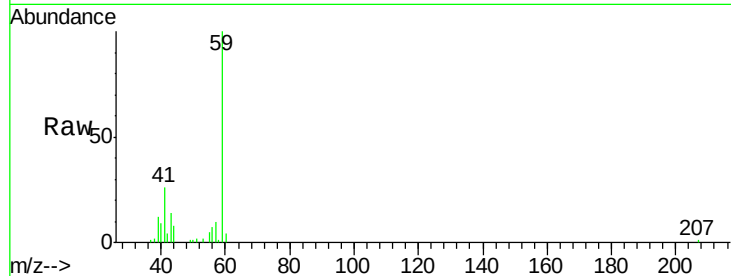
52 0.0 0.0 0.0

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#24

Methyl tert-Butyl Ether

Concen: 21.457 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052747.D

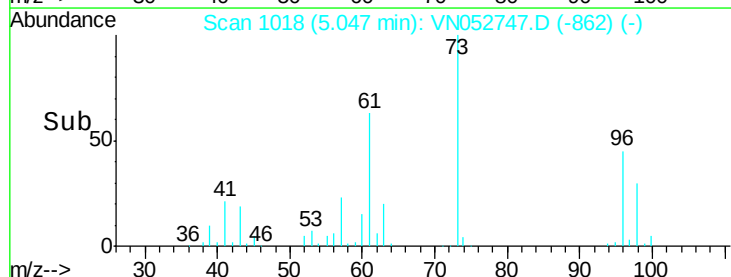
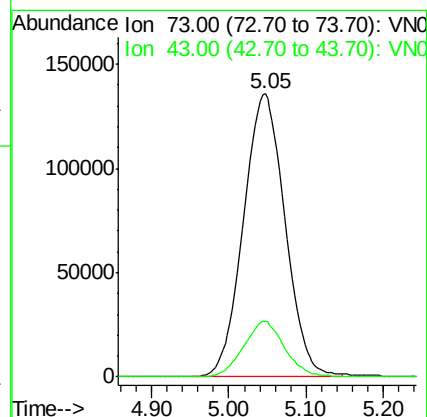
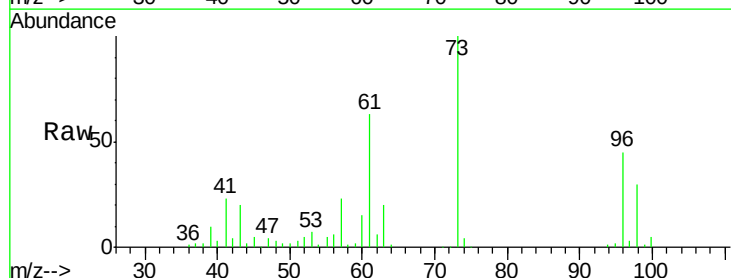
Acq: 10 Dec 2018 12:30

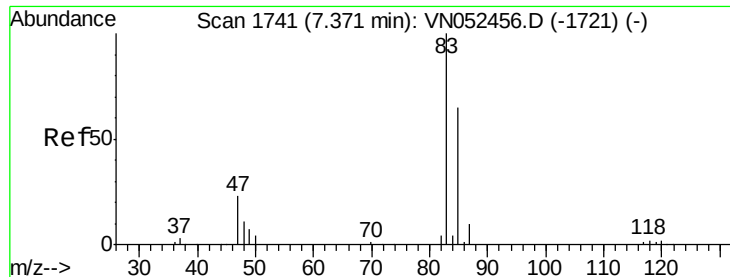
Tgt Ion: 73 Resp: 509411

Ion Ratio Lower Upper

73 100

43 19.3 15.8 23.8





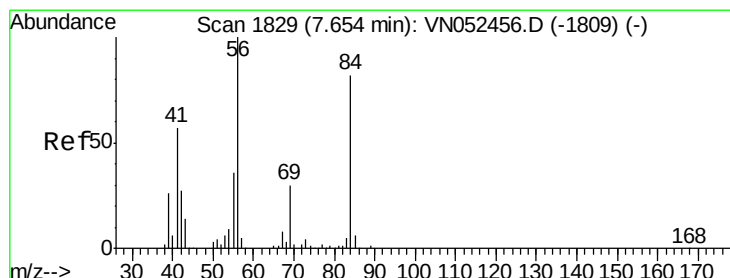
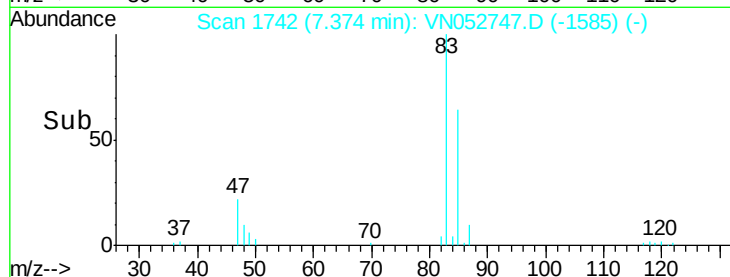
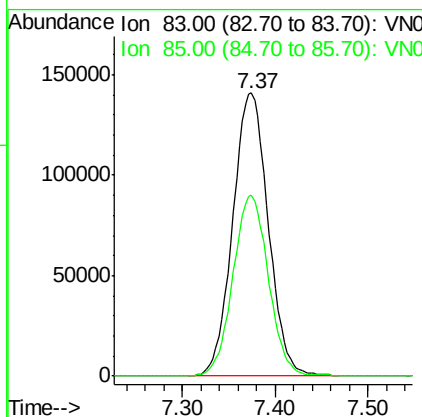
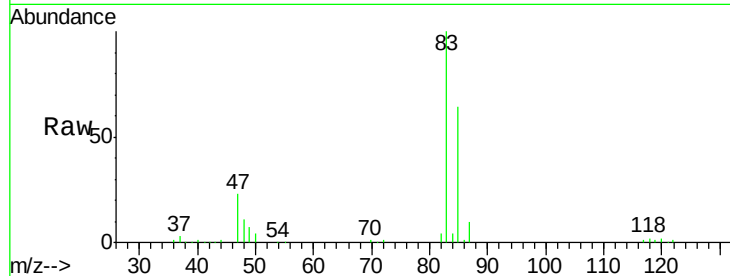
#25
Chloroform
Concen: 20.533 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	83	Resp	374457
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	51.7	77.5

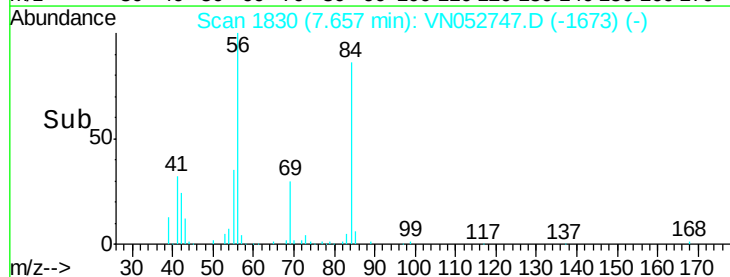
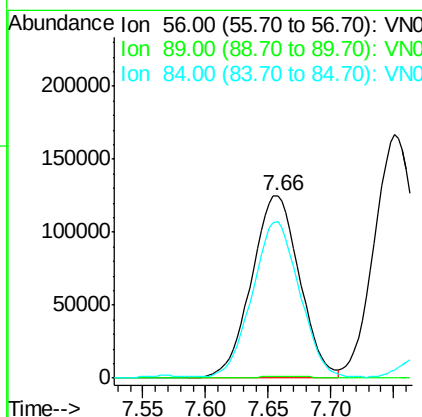
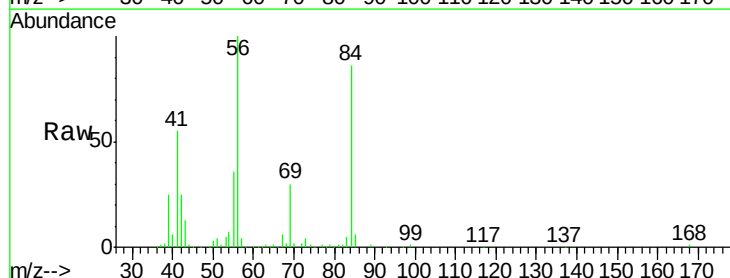
Manual Integrations
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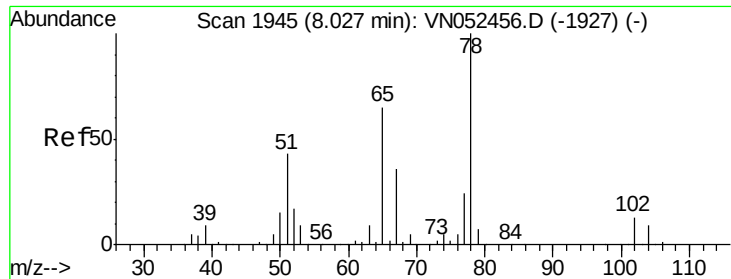
MMDadoda
12/11/2018 12:45:45 PM



#26
Cyclohexane
Concen: 18.691 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion	56	Resp	333246
Ion Ratio	100	Lower	Upper
56	100		
89	0.6	0.5	0.7
84	84.9	66.2	99.2





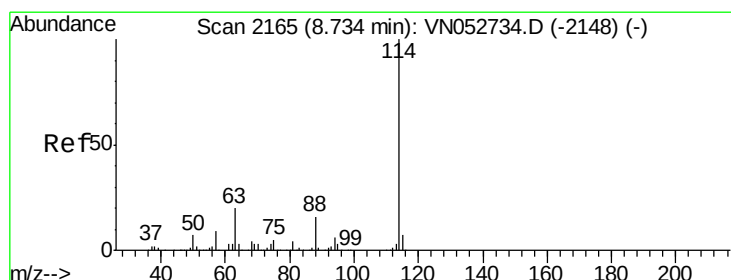
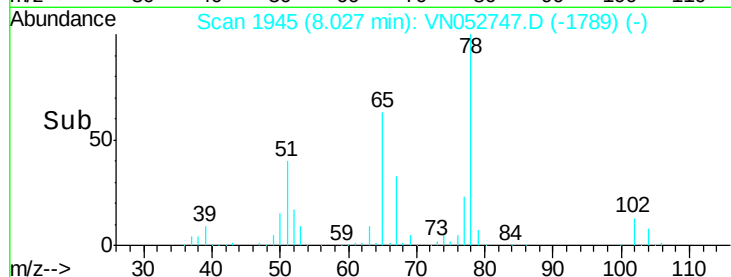
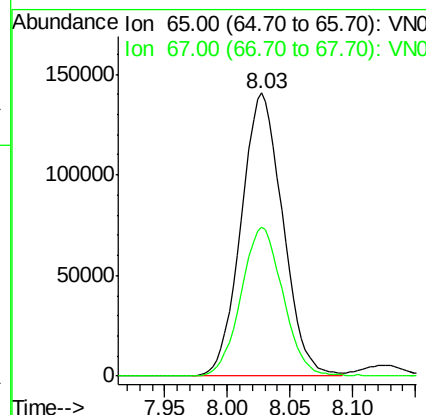
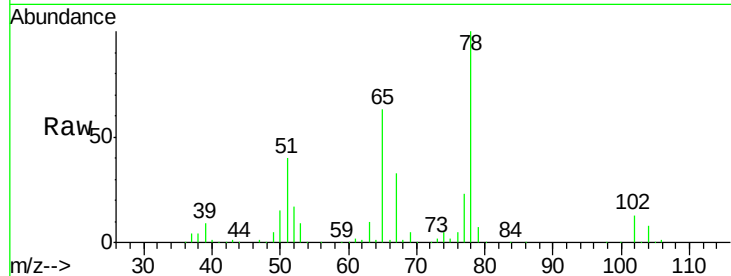
#27
 1,2-Dichloroethane-d4
 Concen: 18.691 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	44.6	66.8

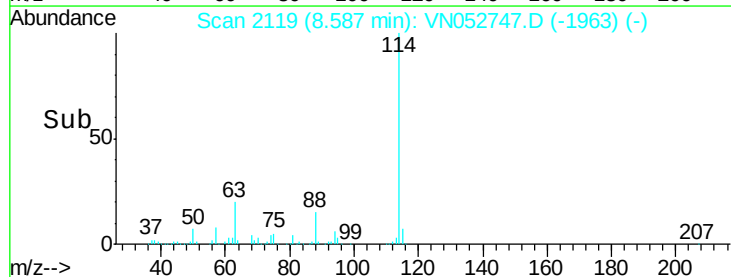
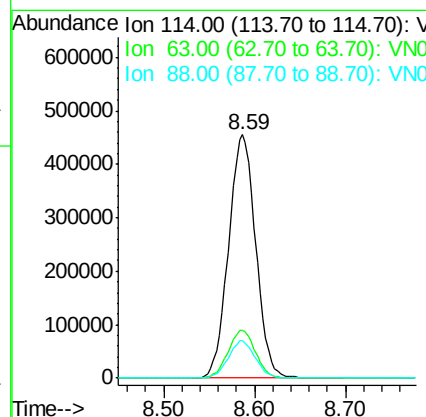
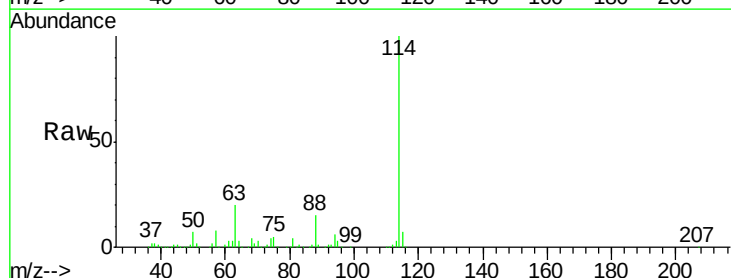
Manual Integrations
 APPROVED

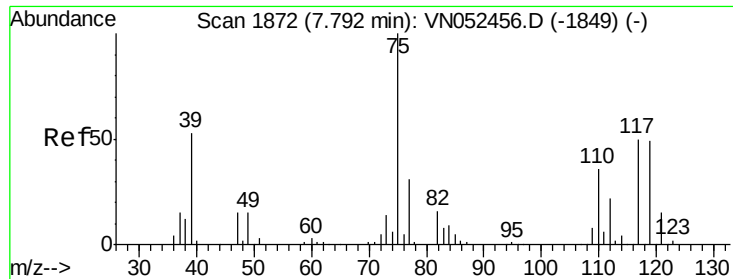
MMDadoda
 12/11/2018 12:45:45 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	16.9	25.3
88	15.3	12.8	19.2





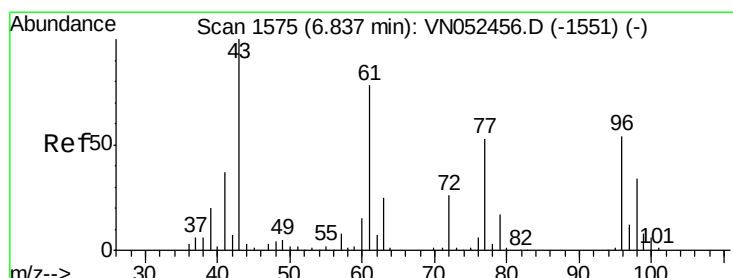
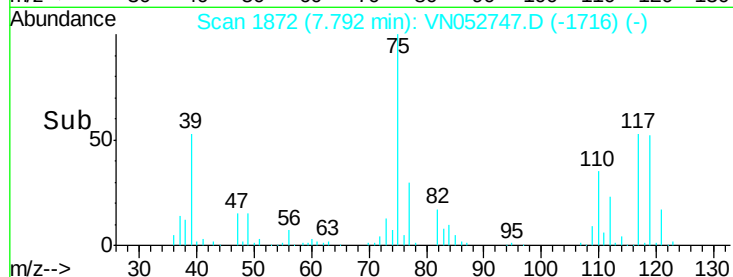
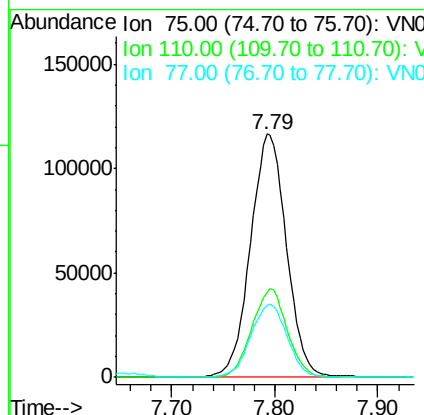
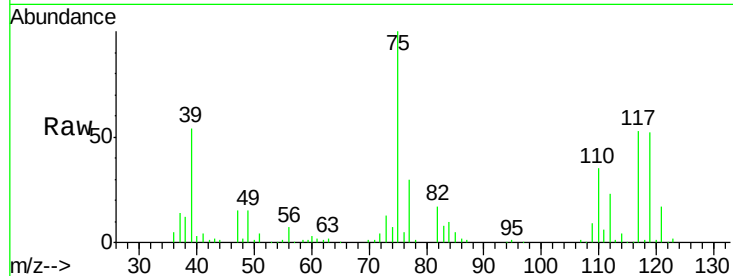
#29
 1,1-Dichloropropene
 Concen: 19.649 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.8	0.0	70.2
77	30.6	0.0	62.6

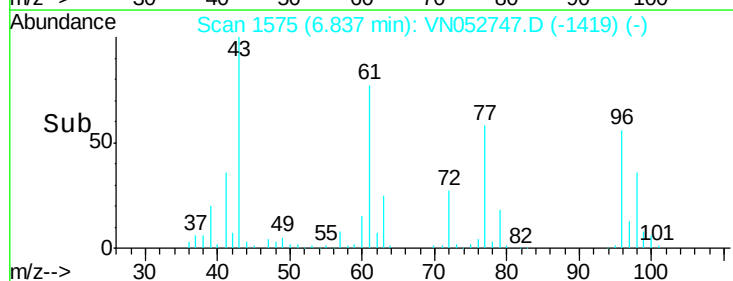
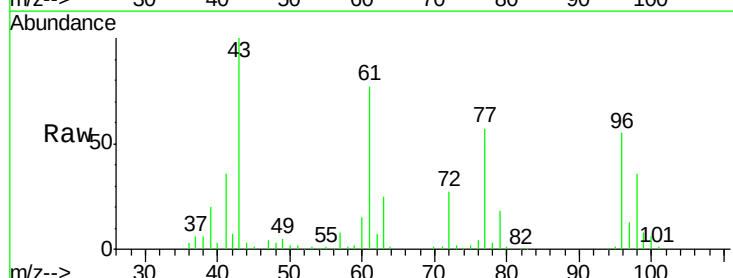
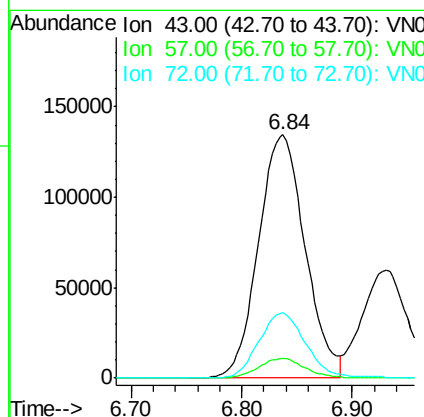
Manual Integrations
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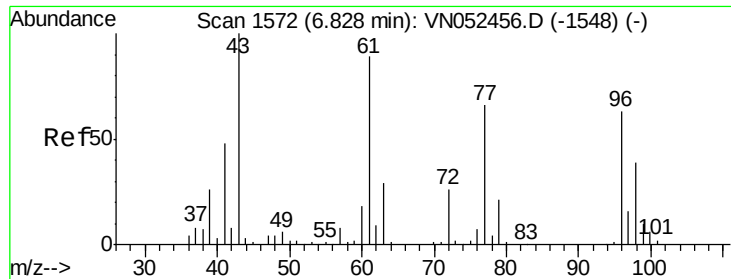
MMDadoda
 12/11/2018 12:45:45 PM



#30
 2-Butanone
 Concen: 102.013 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.2	9.4
72	26.9	21.0	31.6





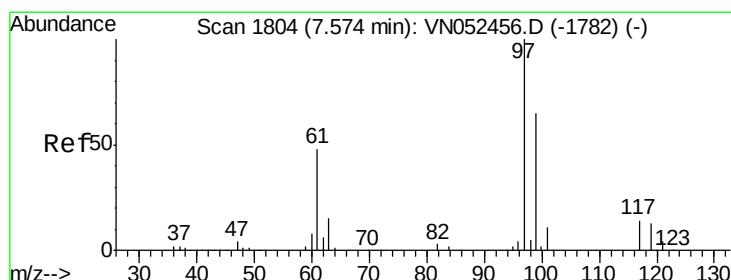
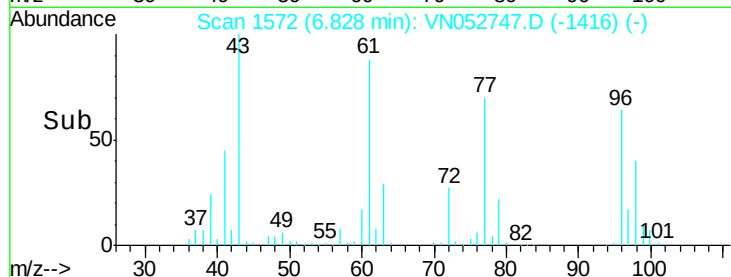
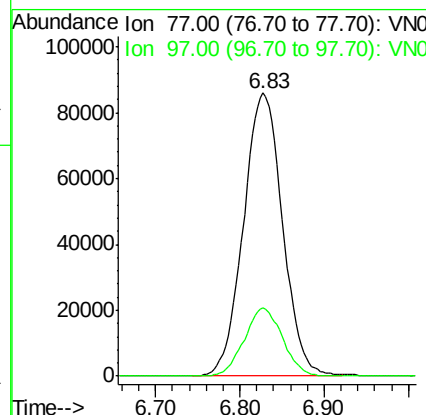
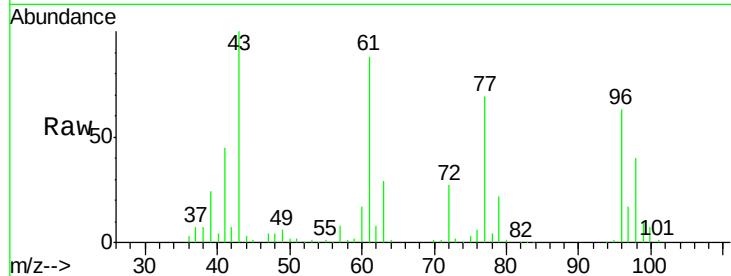
#31
 2,2-Dichloropropane
 Concen: 20.919 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Tot Ion: 77 Resp: 276871
 Ion Ratio Lower Upper
 77 100
 97 23.6 18.7 28.1

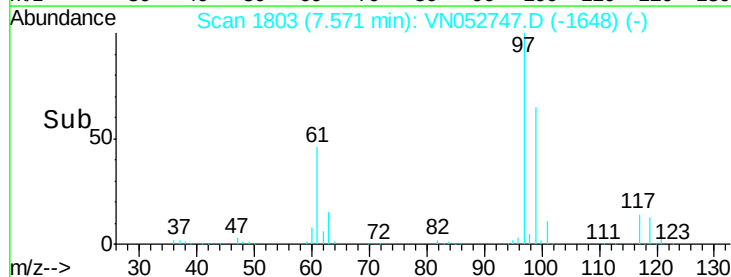
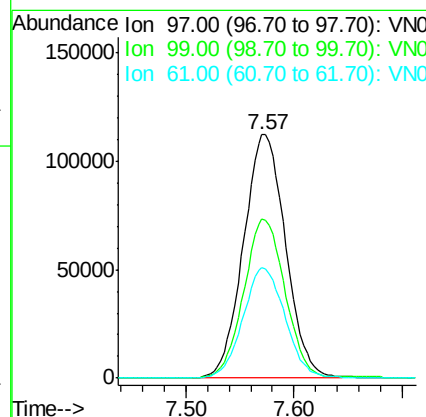
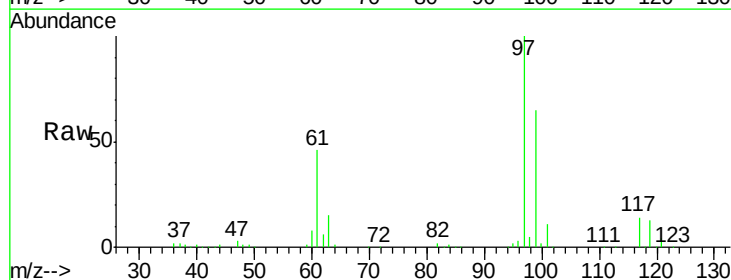
Manual Integrations
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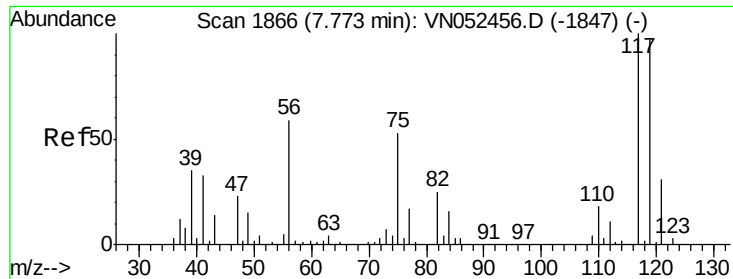
MMDadoda
 12/11/2018 12:45:45 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.416 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion: 97 Resp: 305405
 Ion Ratio Lower Upper
 97 100
 99 64.1 50.9 76.3
 61 45.3 38.1 57.1





#33

Carbon Tetrachloride

Concen: 20.285 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

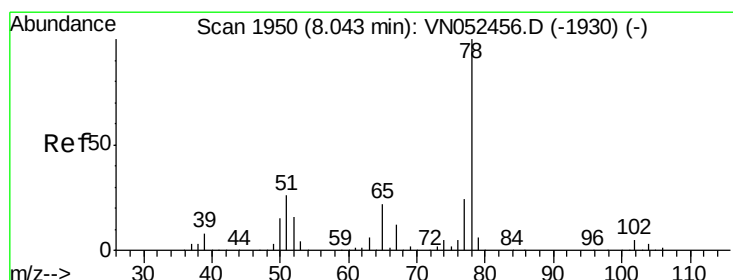
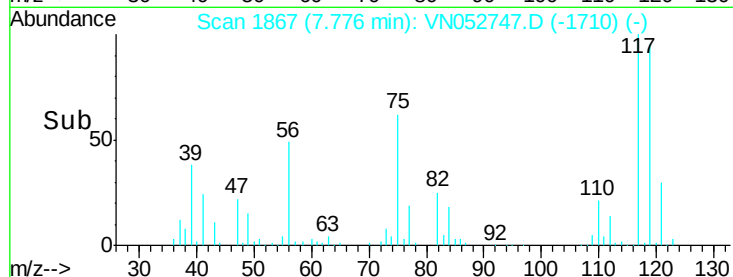
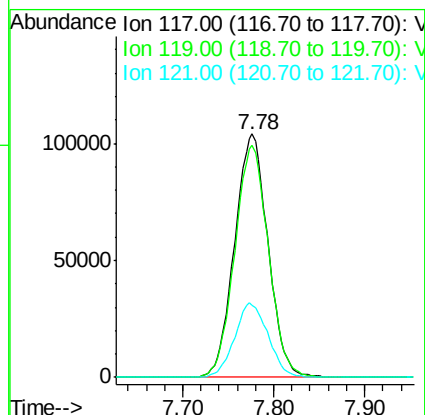
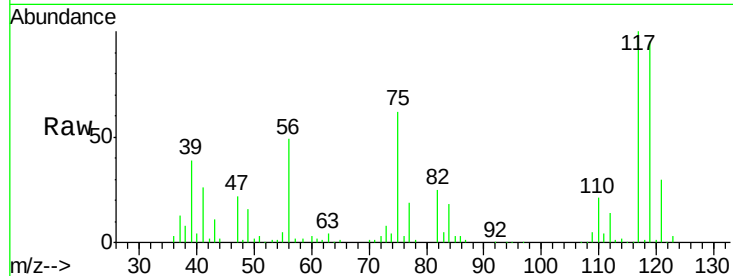
ClientSampleId :

VN1210WBSD01

Tot Ion:	117	Resp:	265503
Ion Ratio	Lower	Upper	
117	100		
119	95.3	77.3	115.9
121	29.7	24.9	37.3

Manual Integrations
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#34

Benzene

Concen: 19.943 ug/l

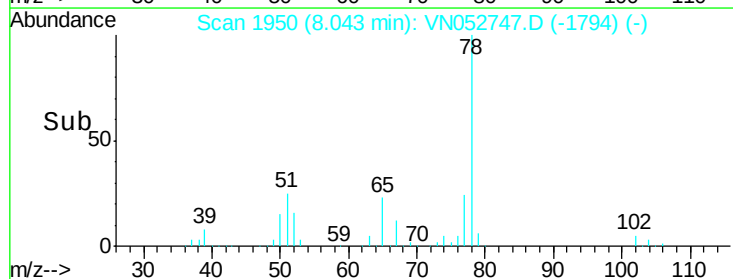
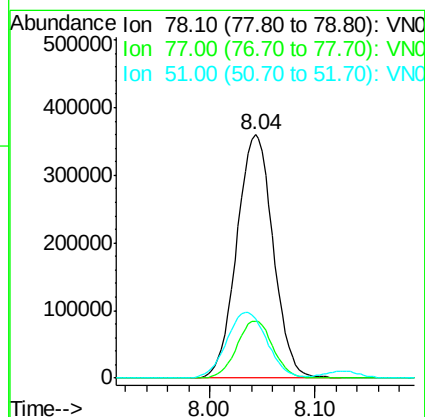
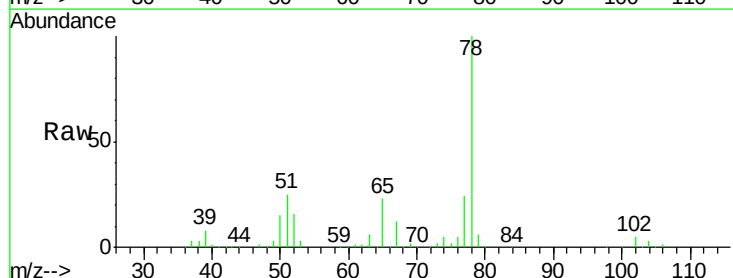
RT: 8.04 min Scan# 1950

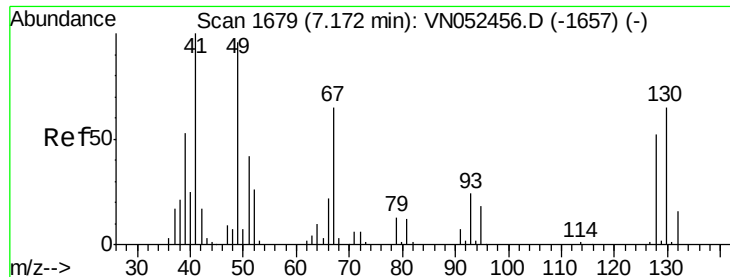
Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Tgt Ion:	78	Resp:	861993
Ion Ratio	Lower	Upper	
78	100		
77	23.5	19.0	28.6
51	24.4	20.5	30.7





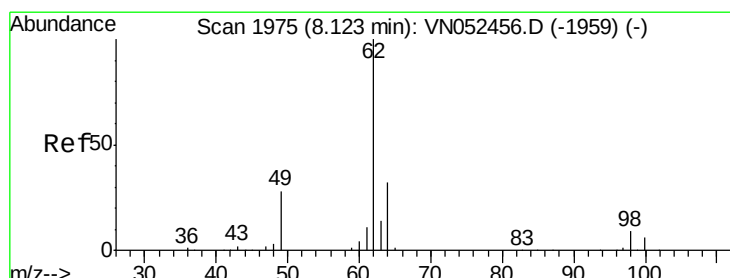
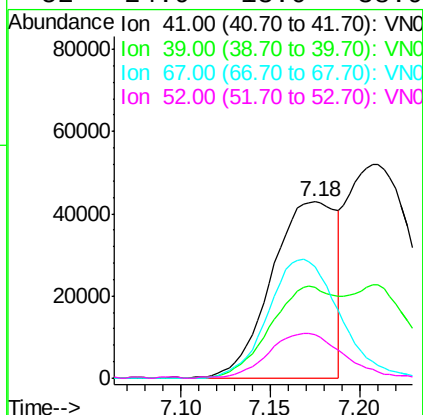
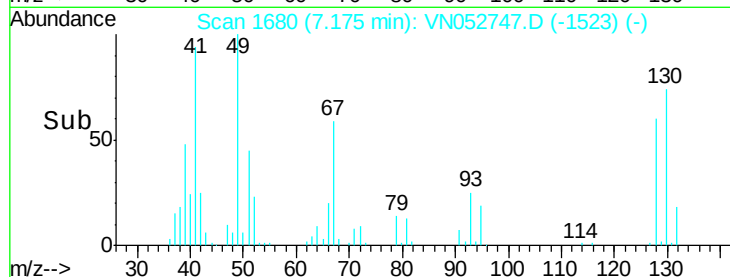
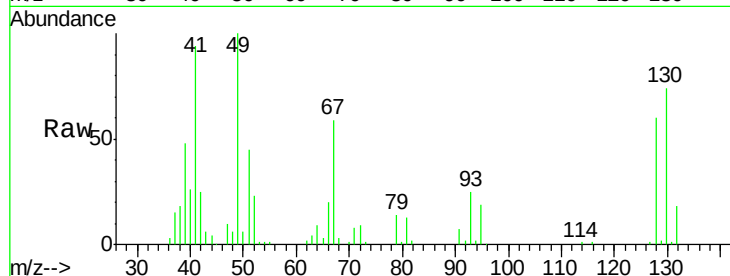
#35
Methacrylonitrile
Concen: 22.590 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.3	26.6	79.7	
67	63.4	32.3	96.9	
52	24.9	13.0	38.9	

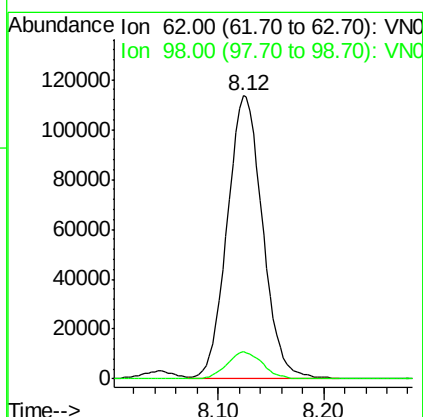
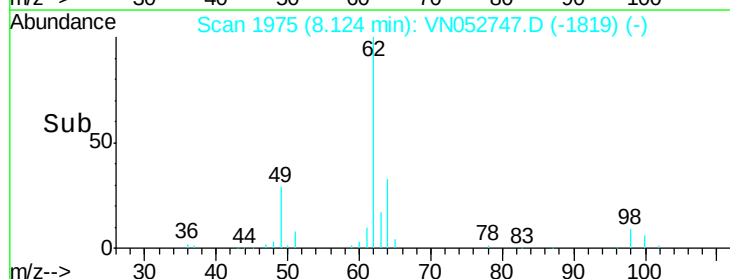
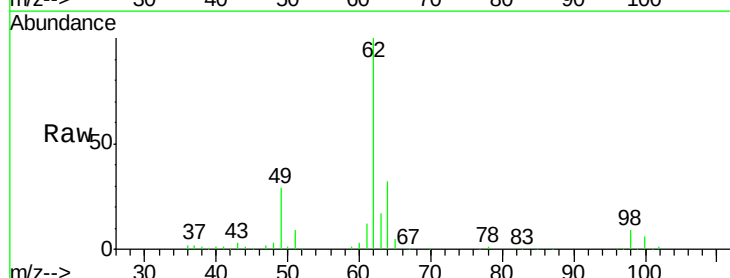
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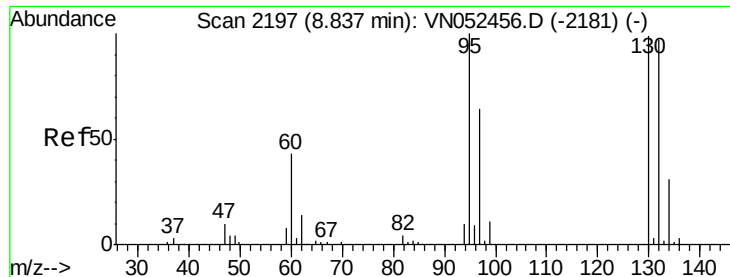
MMDadoda
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#36
1,2-Dichloroethane
Concen: 20.052 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	7.4	11.2	





#37

Trichloroethene

Concen: 21.298 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion:130 Resp: 233434

Ion Ratio Lower Upper

130 100

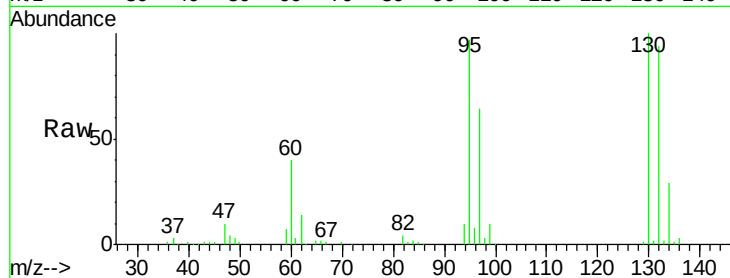
95 97.0 81.0 121.4

Manual Integrations

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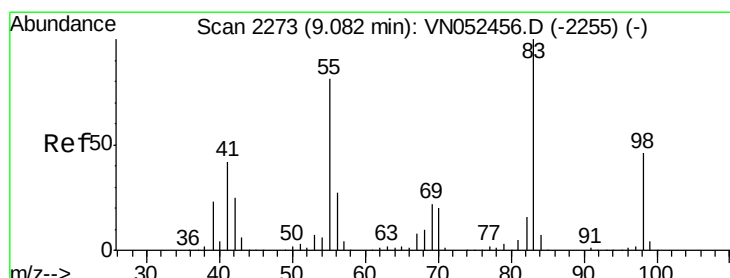
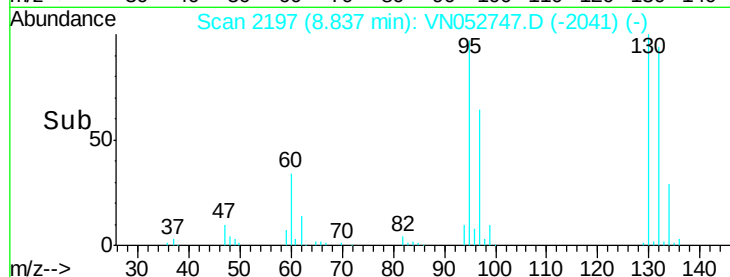
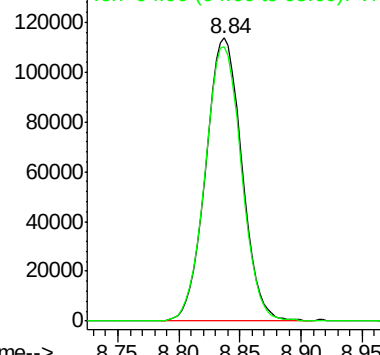
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 18.879 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

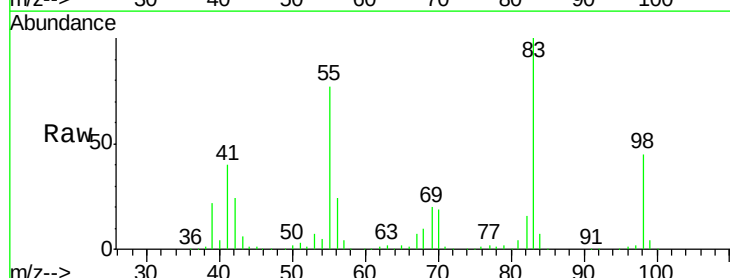
Tgt Ion: 83 Resp: 335990

Ion Ratio Lower Upper

83 100

55 76.8 39.8 119.4

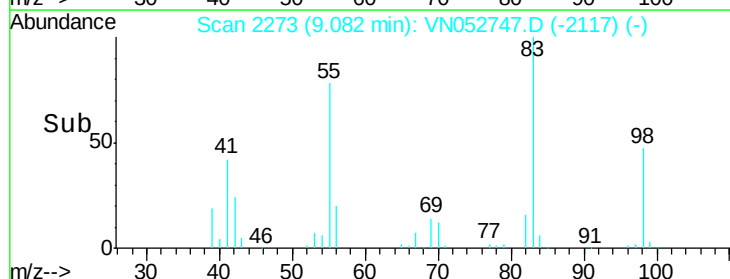
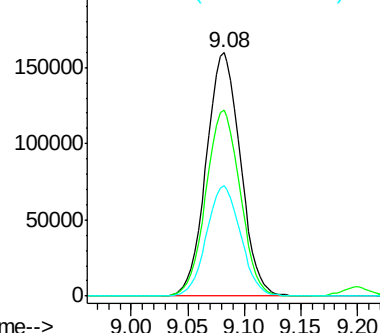
98 45.3 22.9 68.5

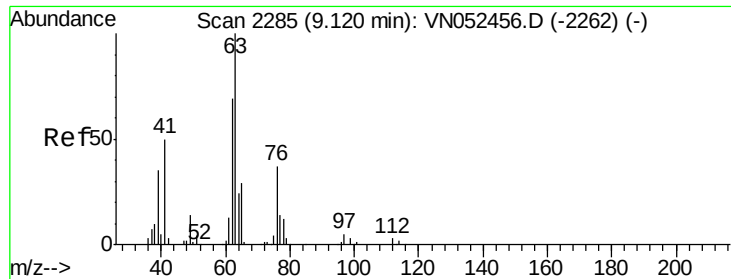


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





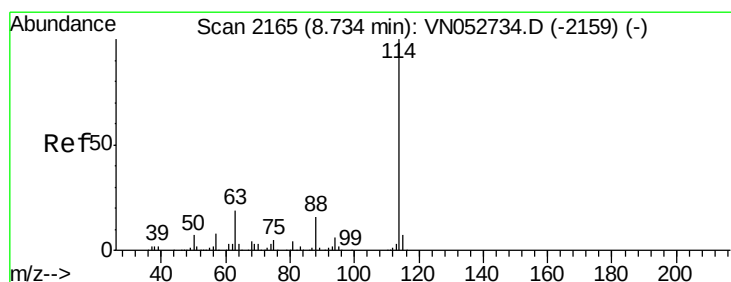
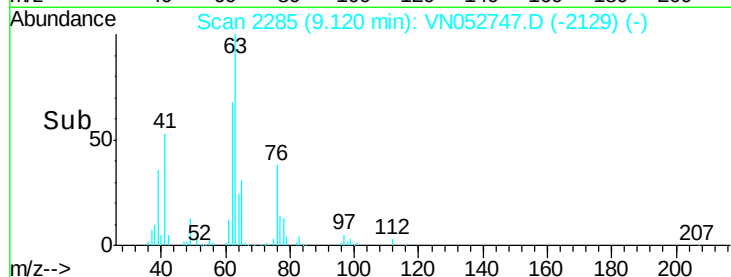
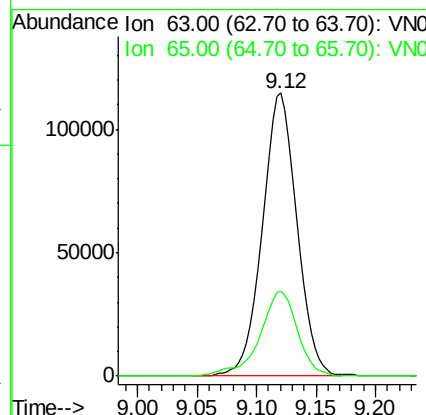
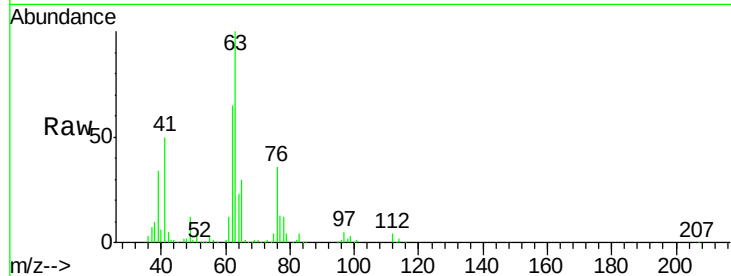
#39
 1,2-Dichloropropane
 Concen: 19.923 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	23.6	35.4

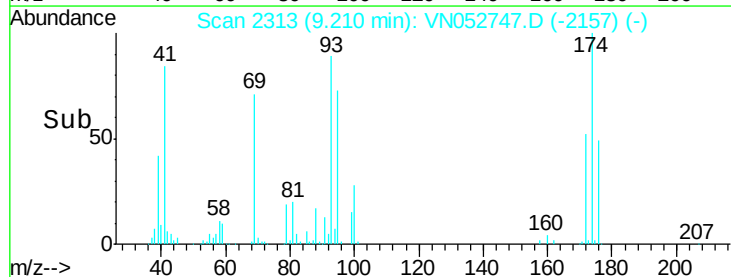
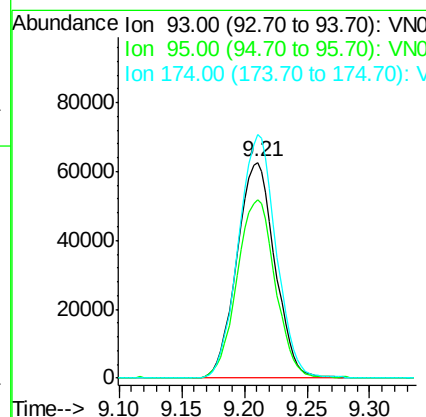
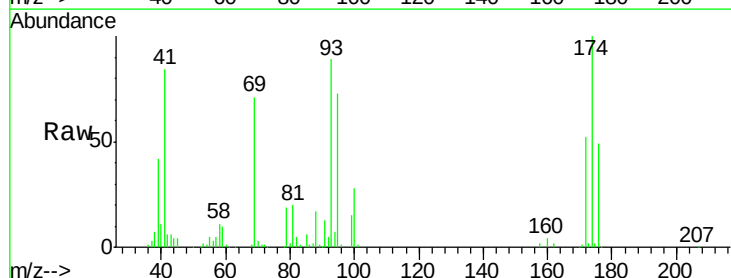
Manual Integrations
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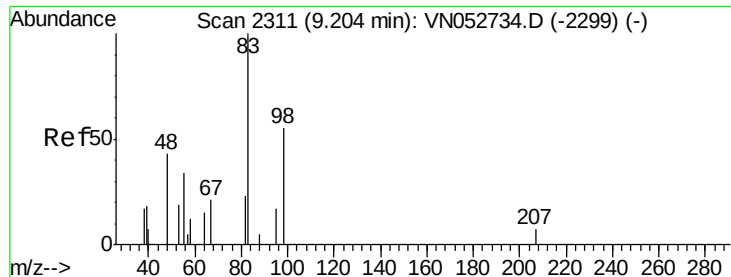
MMDadoda
 12/11/2018 12:45:45 PM



#40
 Dibromomethane
 Concen: 21.126 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	0.0	168.4
174	111.3	0.0	210.0





#41

Bromodichloromethane

Concen: 20.385 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

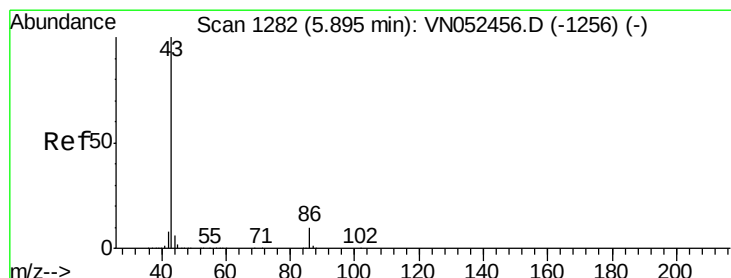
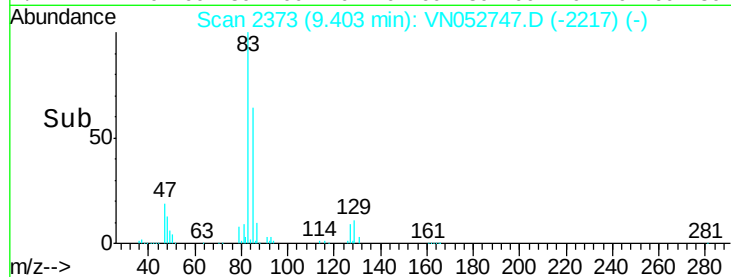
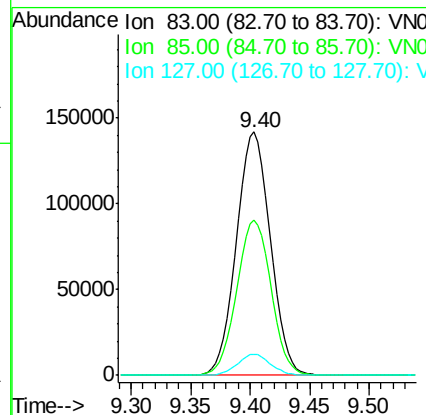
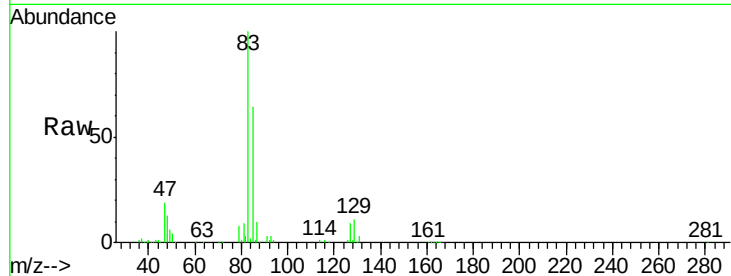
ClientSampleId :

VN1210WBSD01

Tot Ion:	83	Resp:	281984
Ion Ratio	Lower	Upper	
83	100		
85	63.7	52.4	78.6
127	8.8	6.6	9.8

Manual Integrations
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12/11/2018 12:45:45 PM



#42

Vinyl Acetate

Concen: 94.663 ug/l

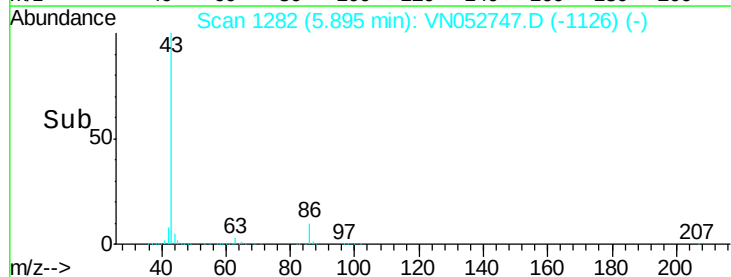
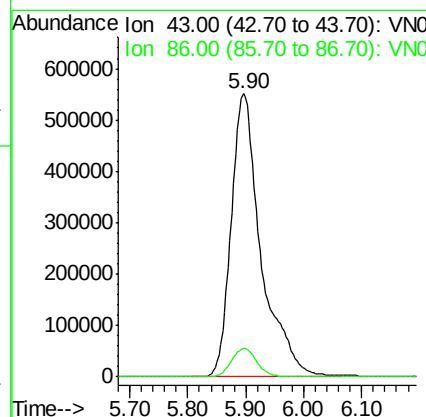
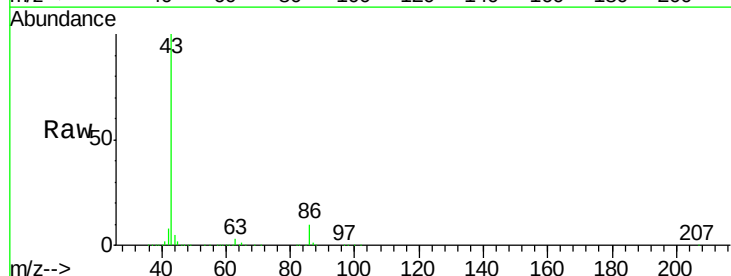
RT: 5.90 min Scan# 1282

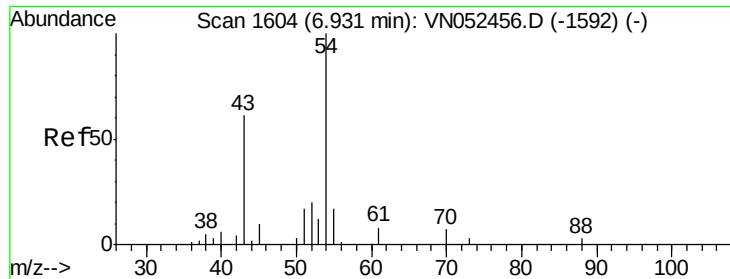
Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Tgt Ion:	43	Resp:	1970312
Ion Ratio	Lower	Upper	
43	100		
86	8.6	6.5	9.7





#43

Ethyl Acetate

Concen: 21.226 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion: 43 Resp: 173628

Ion Ratio Lower Upper

43 100

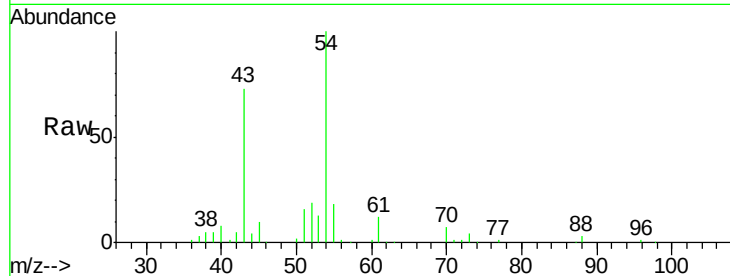
45 13.2 1.0 1.6#

Manual Integrations

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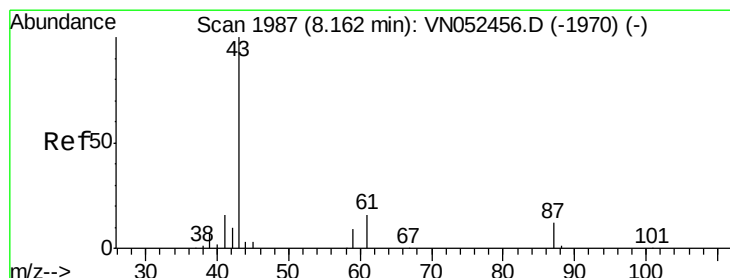
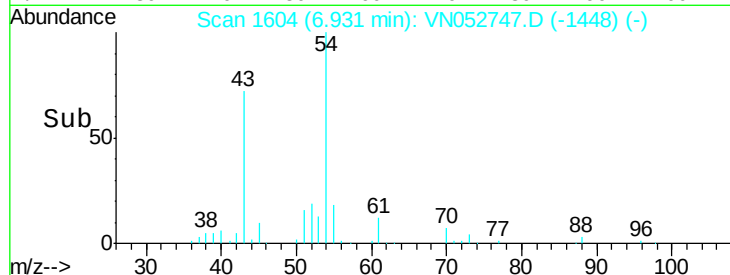
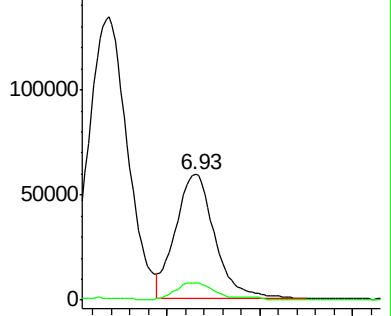
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 22.172 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052747.D

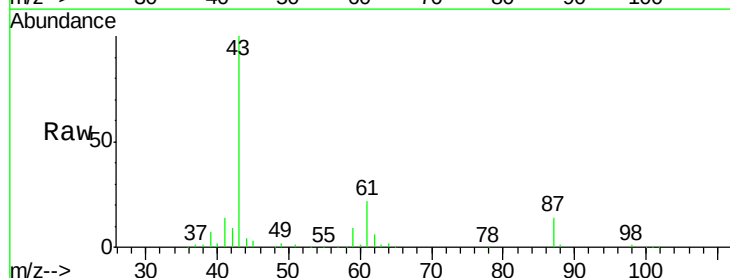
Acq: 10 Dec 2018 12:30

Tgt Ion: 43 Resp: 318076

Ion Ratio Lower Upper

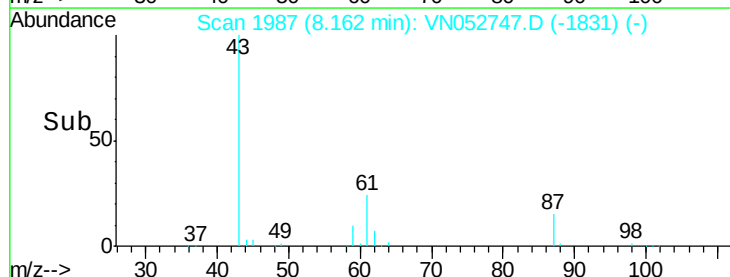
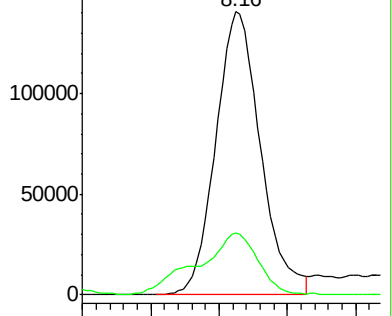
43 100

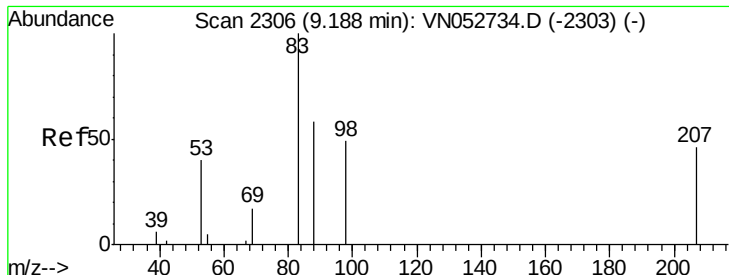
61 19.9 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 430.185 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

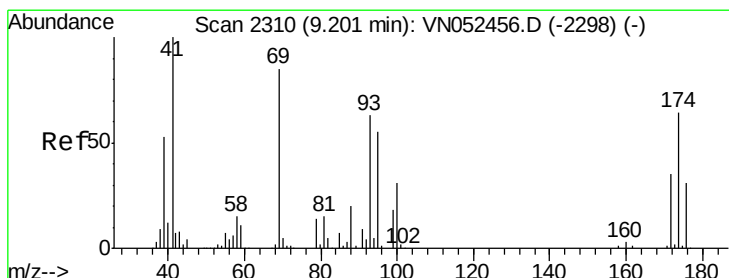
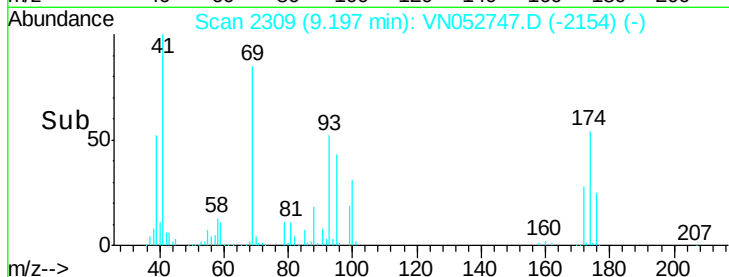
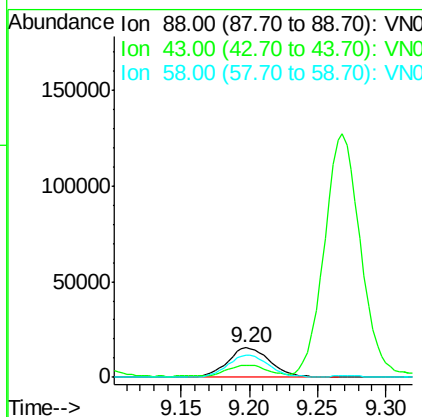
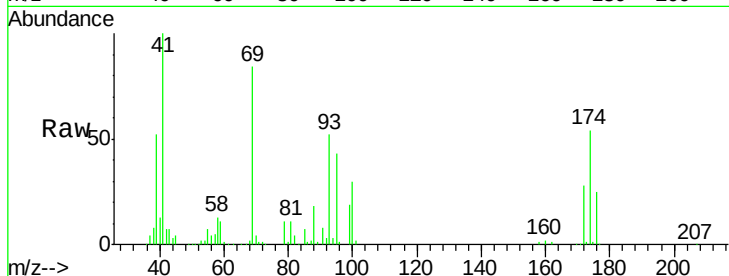
ClientSampleId :

VN1210WBSD01

Tot Ion	88	Resp	33762
Ion Ratio	Lower	Upper	
88	100		
43	35.4	29.5	44.3
58	72.1	61.5	92.3

Manual Integrations
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#46

Methyl methacrylate

Concen: 21.181 ug/l

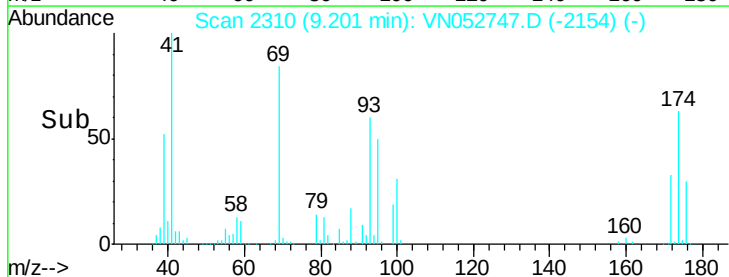
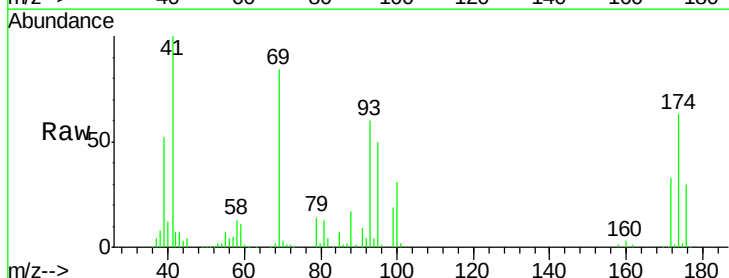
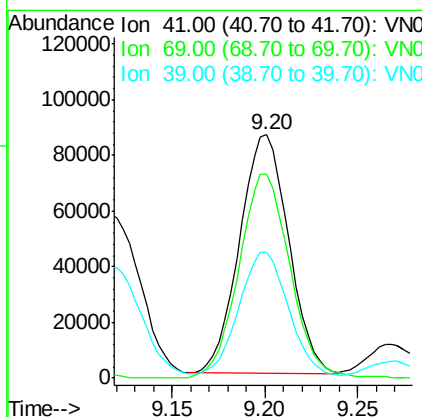
RT: 9.20 min Scan# 2310

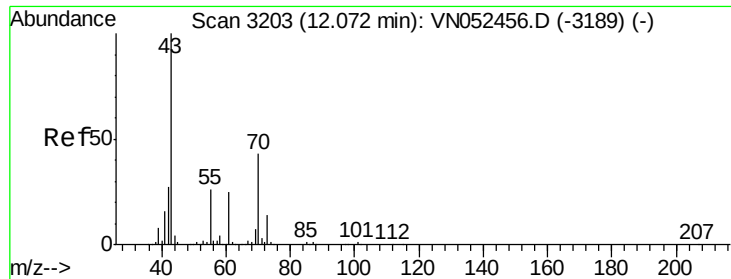
Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Tgt Ion	41	Resp	157771
Ion Ratio	Lower	Upper	
41	100		
69	85.2	42.5	127.6
39	51.3	26.3	78.9





#47

n-amvl Acetate

Concen: 22.504 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion: 43 Resp: 267677

Ion Ratio Lower Upper

43 100

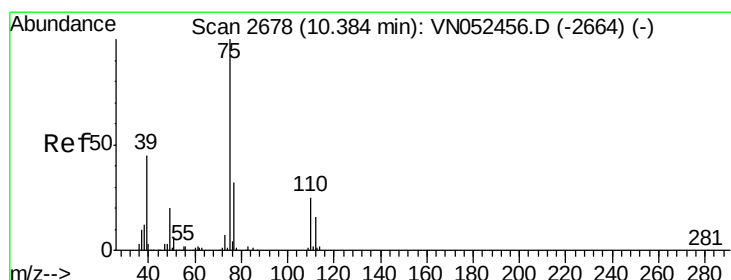
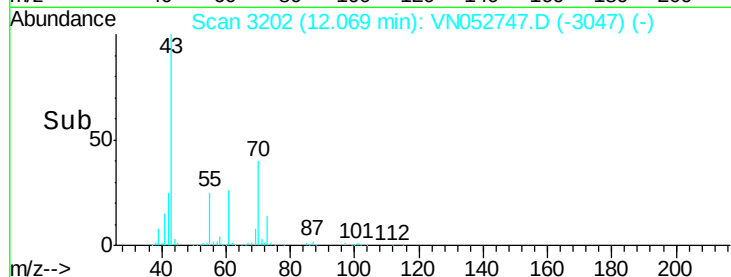
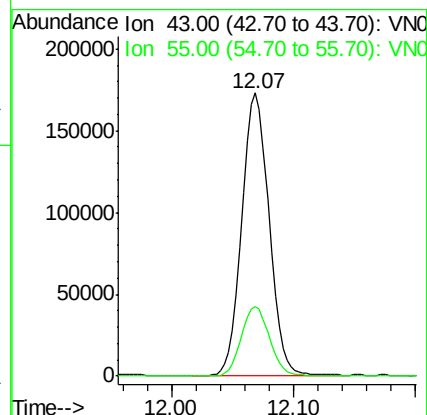
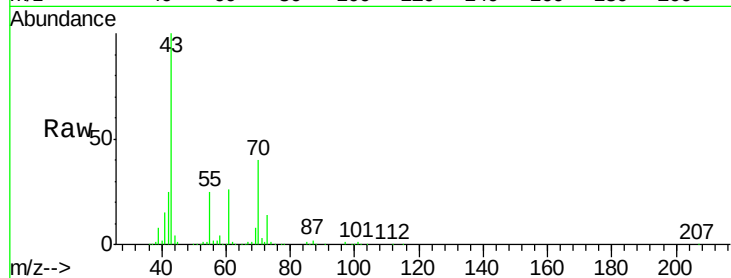
55 25.5 21.1 31.7

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 20.372 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052747.D

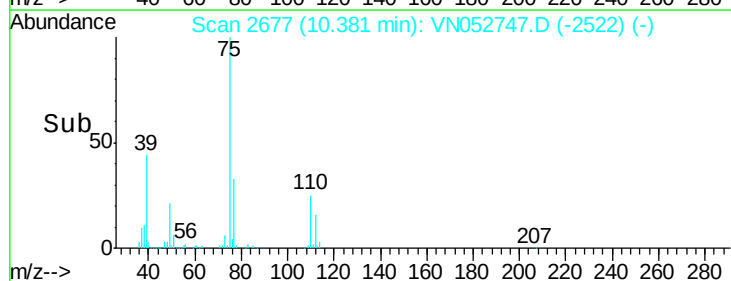
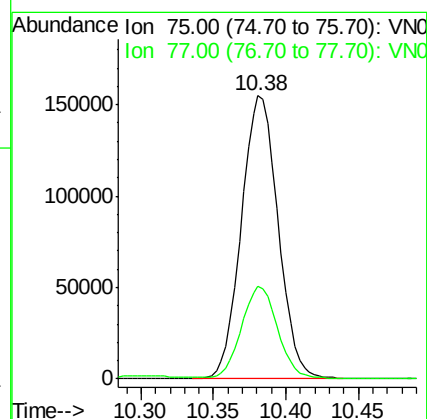
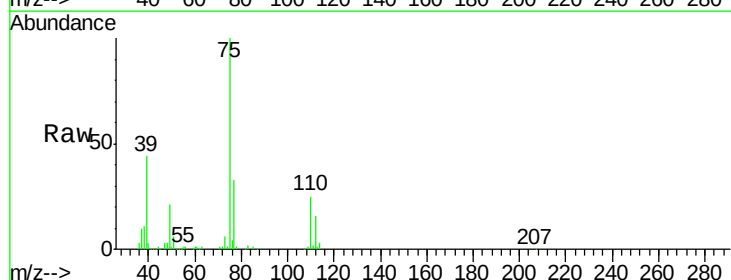
Acq: 10 Dec 2018 12:30

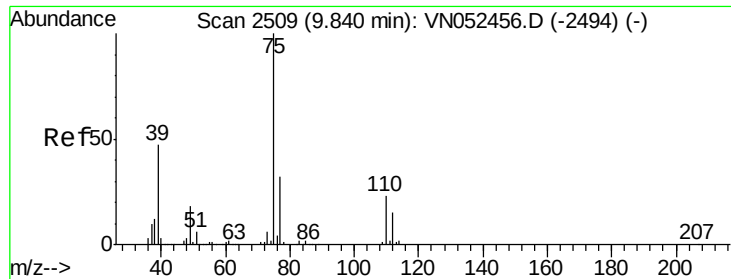
Tgt Ion: 75 Resp: 273250

Ion Ratio Lower Upper

75 100

77 32.4 25.6 38.4





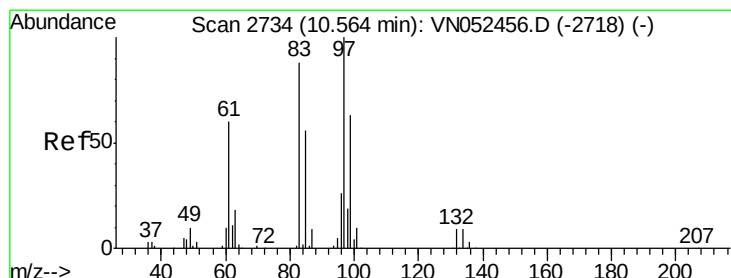
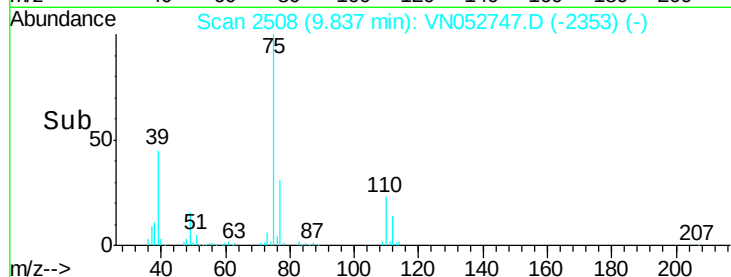
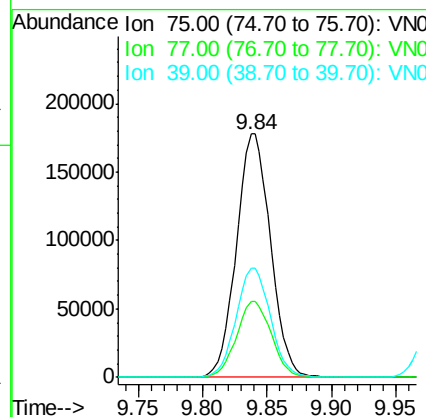
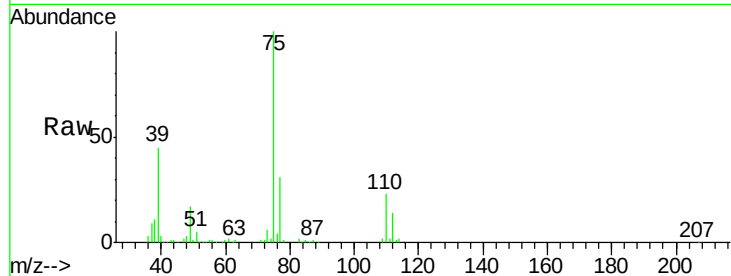
#49
 cis-1,3-Dichloropropene
 Concen: 20.006 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	44.8	37.3	55.9

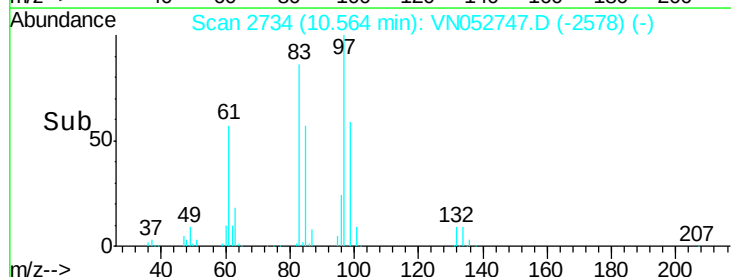
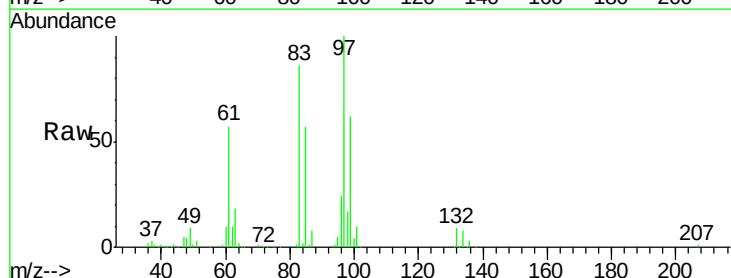
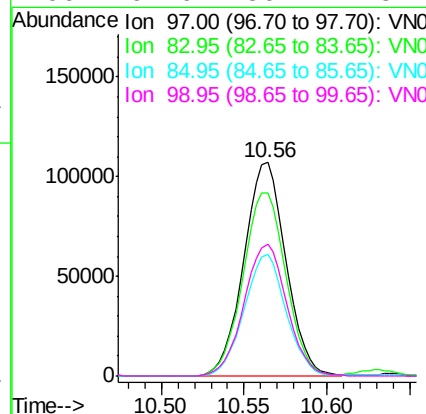
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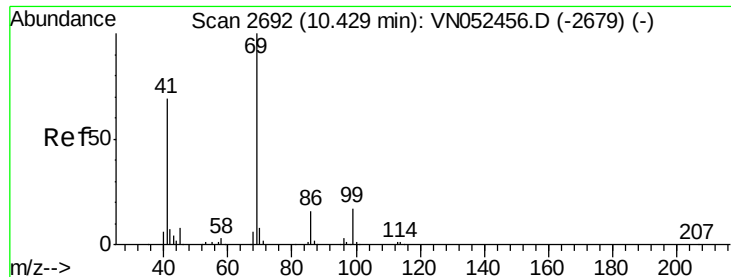
MMDadoda
 12/11/2018 12:45:45 PM



#50
 1,1,2-Trichloroethane
 Concen: 21.389 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.4	70.4	105.6
85	56.7	45.0	67.6
99	61.6	50.2	75.2





#51

Ethyl methacrylate

Concen: 21.711 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

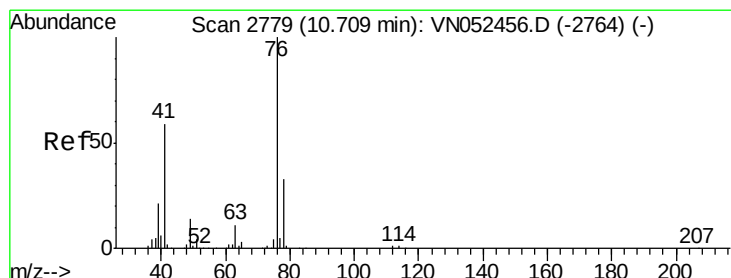
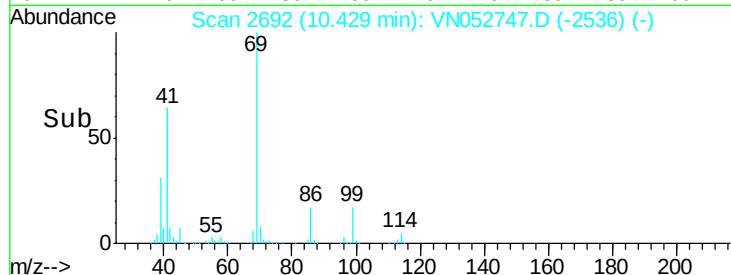
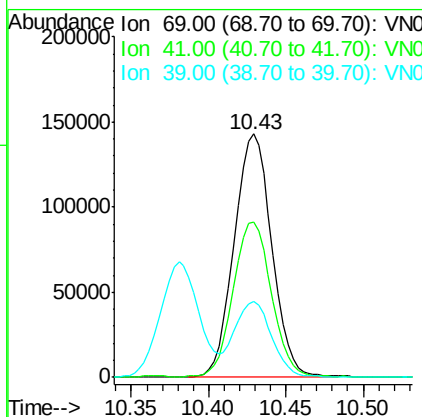
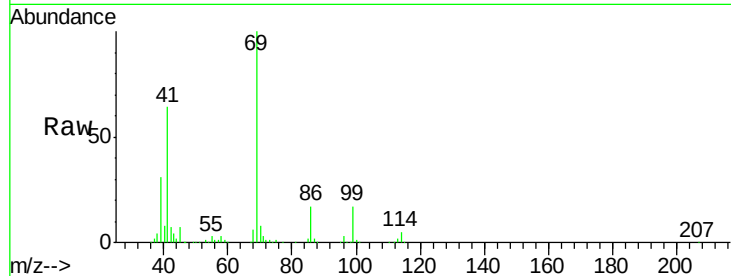
ClientSampleId :

VN1210WBSD01

Tot Ion:	69	Resp:	242001
Ion Ratio	Lower	Upper	
69	100		
41	63.5	34.4	103.3
39	30.8	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.529 ug/l

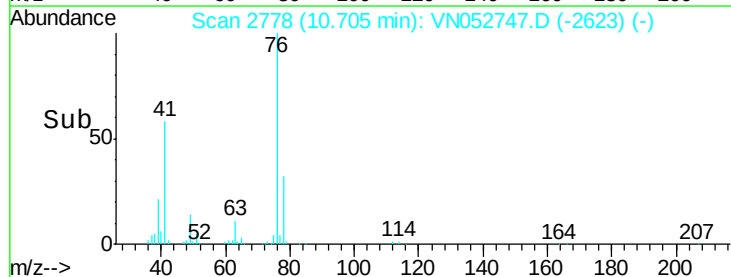
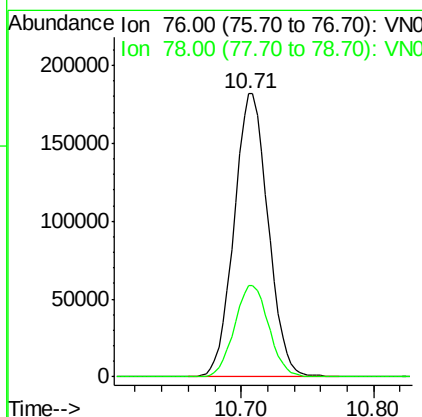
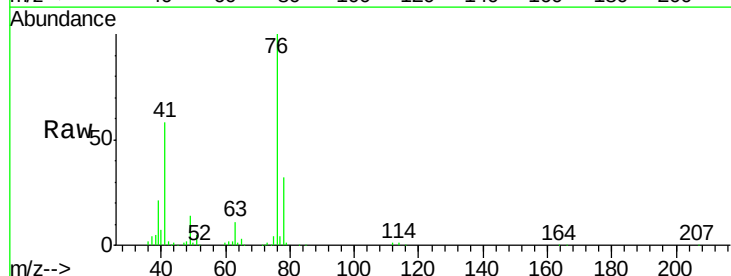
RT: 10.71 min Scan# 2778

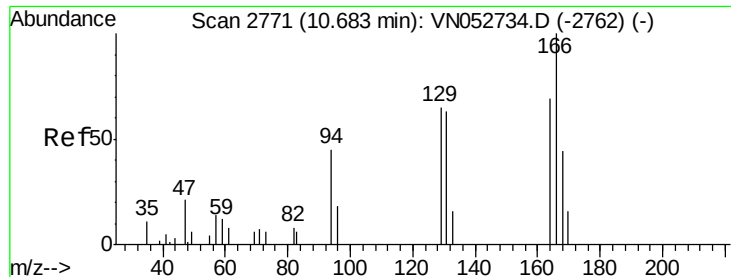
Delta R.T. -0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Tgt Ion:	76	Resp:	324306
Ion Ratio	Lower	Upper	
76	100		
78	32.6	0.0	64.8





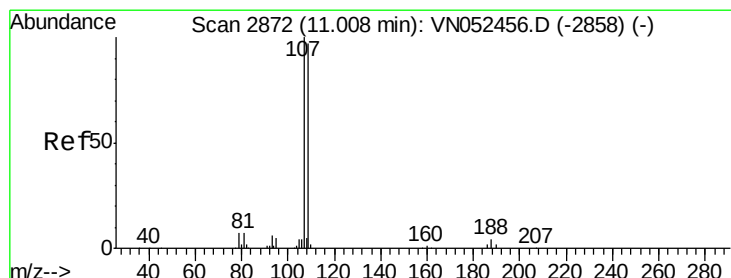
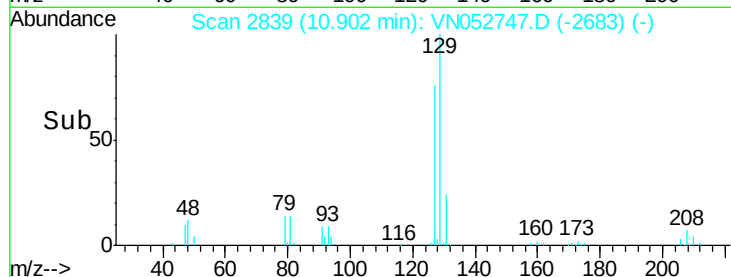
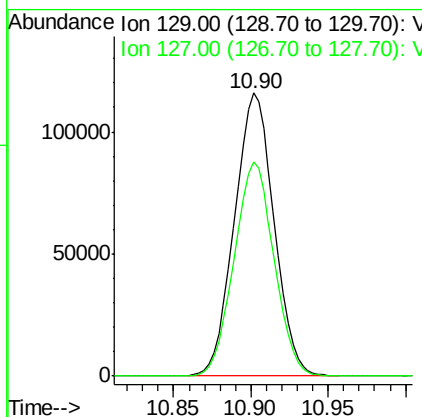
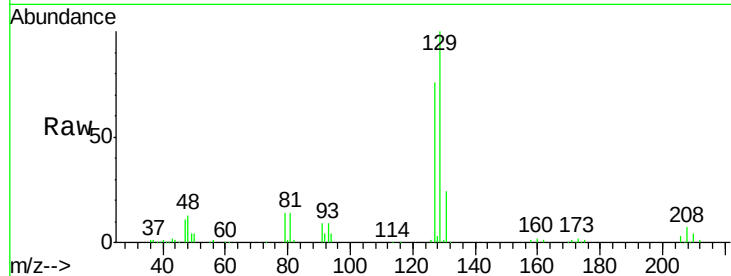
#53
Dibromochloromethane
Concen: 21.098 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion:129 Resp: 206155
Ion Ratio Lower Upper
129 100
127 76.1 37.6 112.8

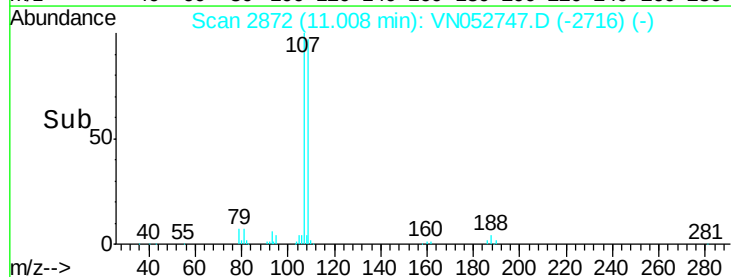
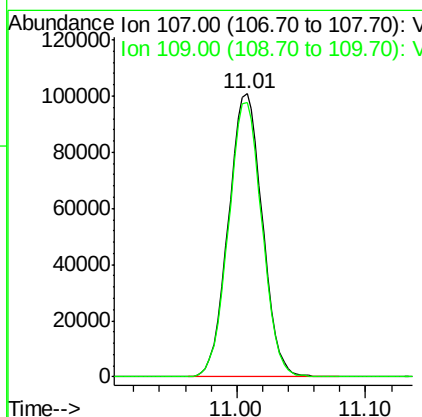
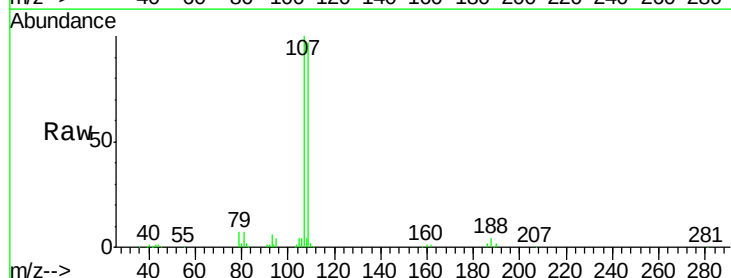
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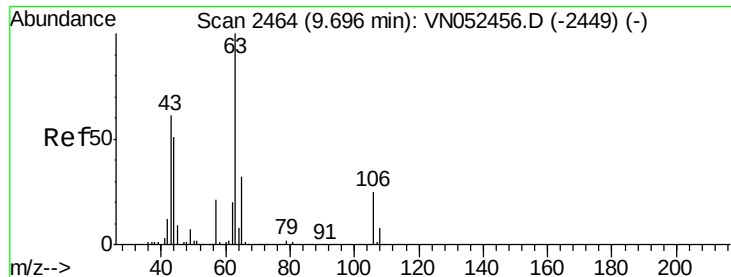
MMDadoda
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#54
1,2-Dibromoethane
Concen: 21.164 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion:107 Resp: 183544
Ion Ratio Lower Upper
107 100
109 96.1 77.1 115.7





#55

2-Chloroethyl vinyl ether

Concen: 103.416 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

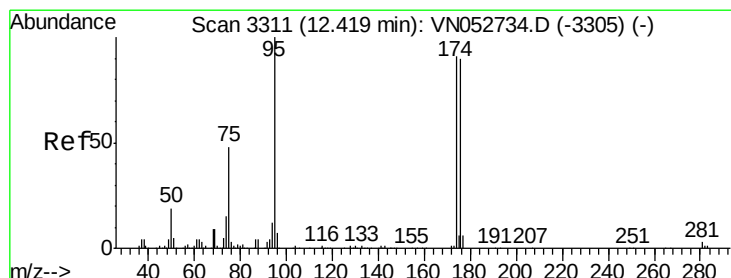
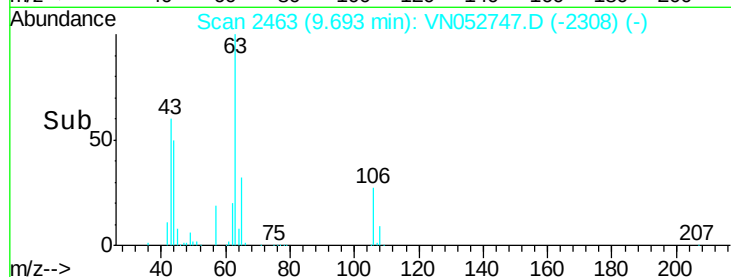
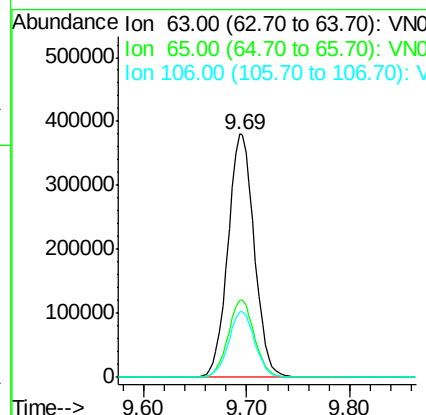
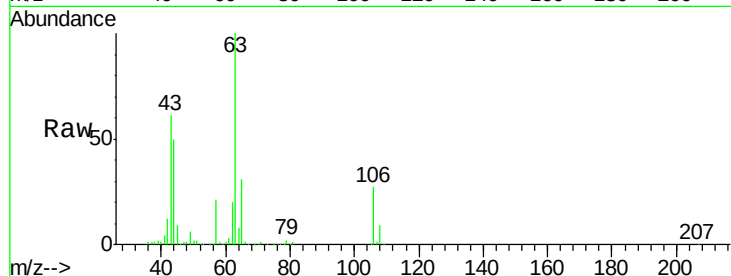
ClientSampleId :

VN1210WBSD01

Tot Ion:	63	Resp:	674764
Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.4	38.2
106	26.9	20.4	30.6

Manual Integrations
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12/11/2018 12:45:45 PM



#56

Bromoform

Concen: 20.926 ug/l

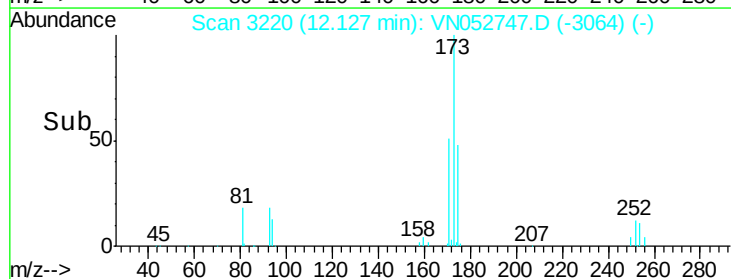
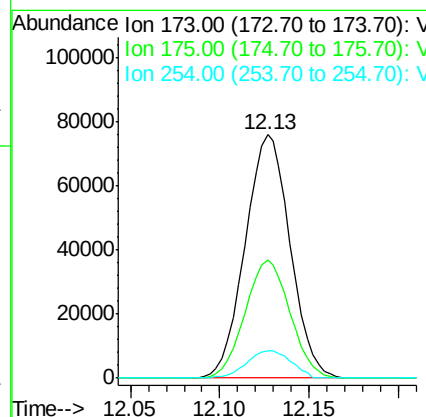
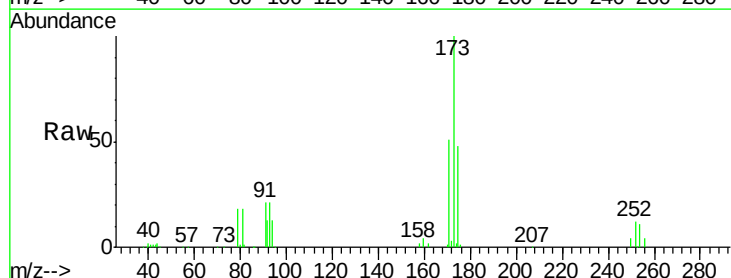
RT: 12.13 min Scan# 3220

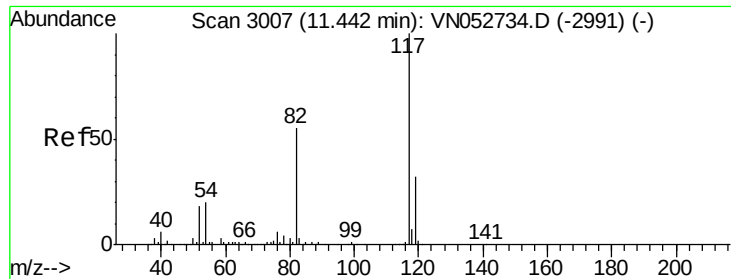
Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Tgt Ion:	173	Resp:	133648
Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.7	58.1
254	11.1	8.4	12.6





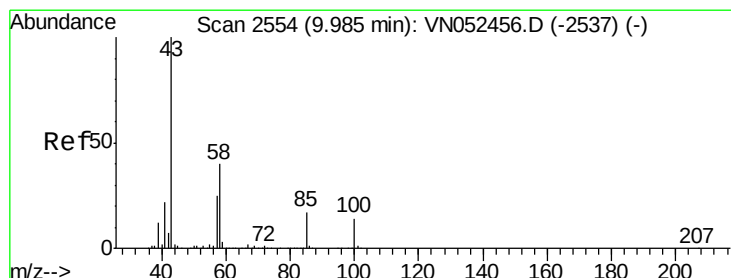
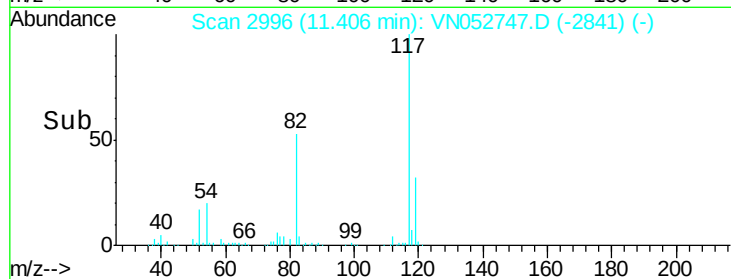
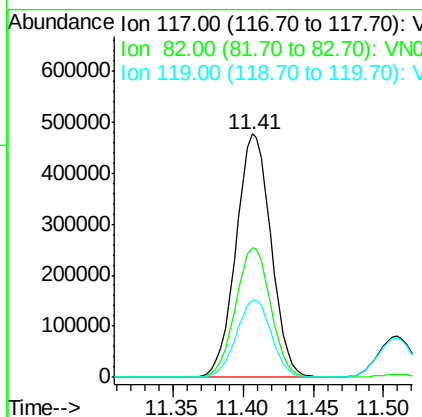
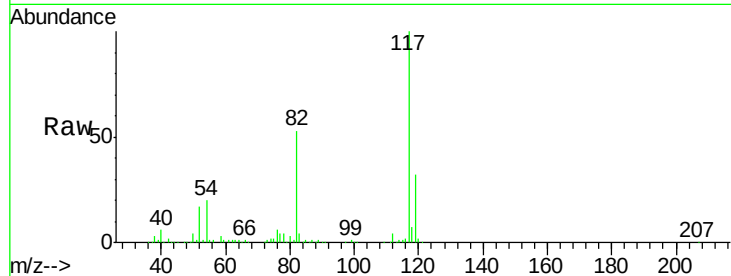
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	44.2	66.2
119	32.0	25.4	38.2

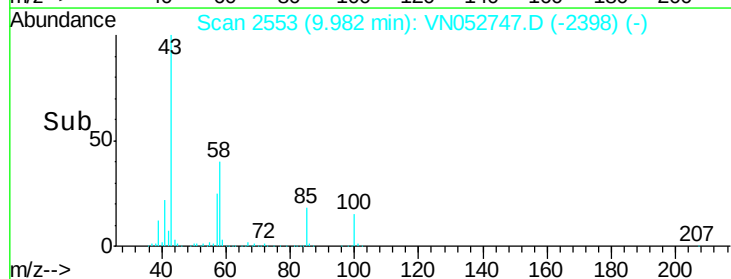
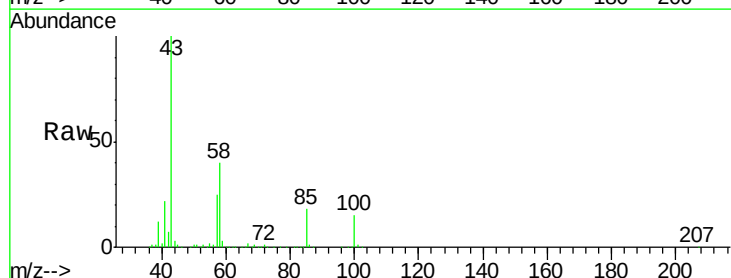
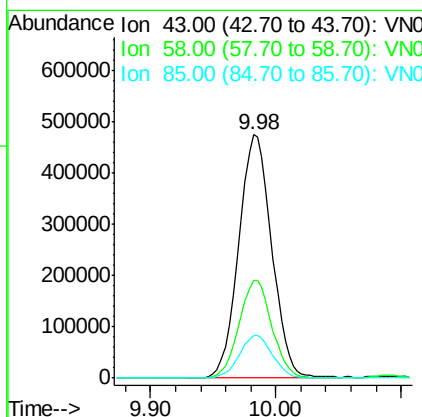
Manual Integrations
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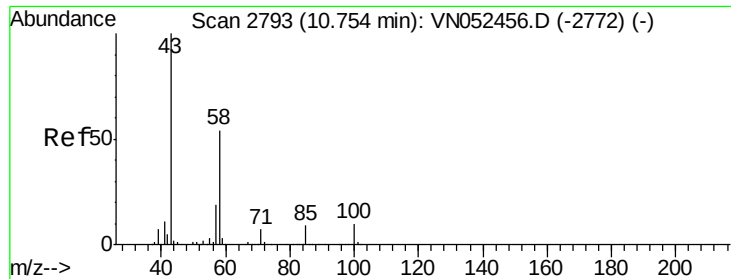
MMDadoda
12/11/2018 12:45:45 PM



#58
4-Methyl-2-Pentanone
Concen: 107.863 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.6	47.4
85	17.5	13.3	19.9





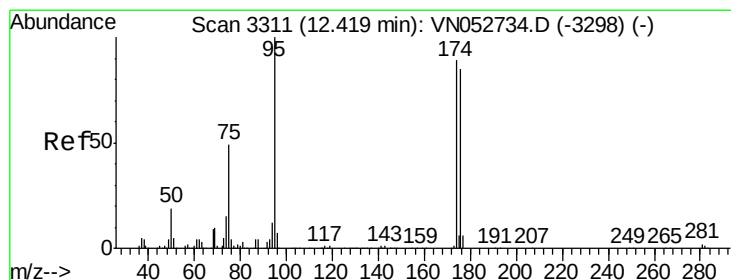
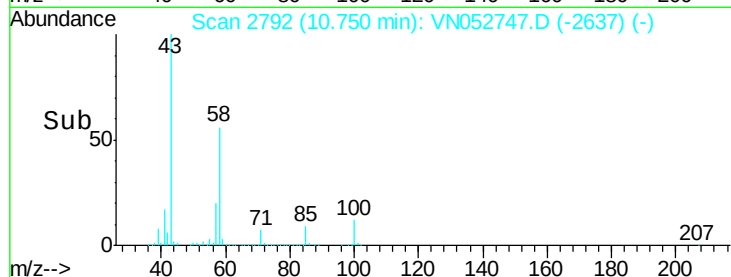
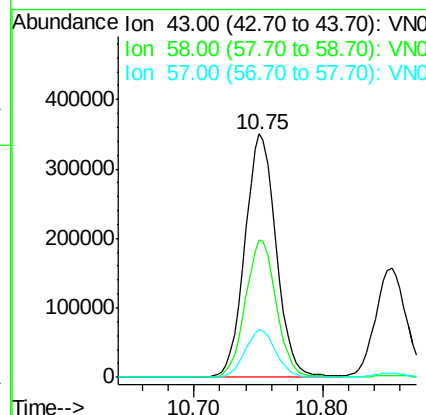
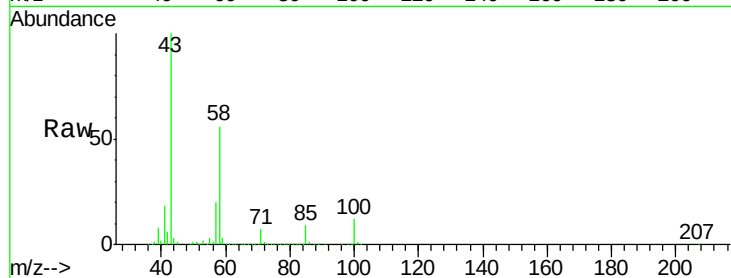
#59
2-Hexanone
Concen: 107.256 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.1	43.2	64.8
57	19.5	14.9	22.3

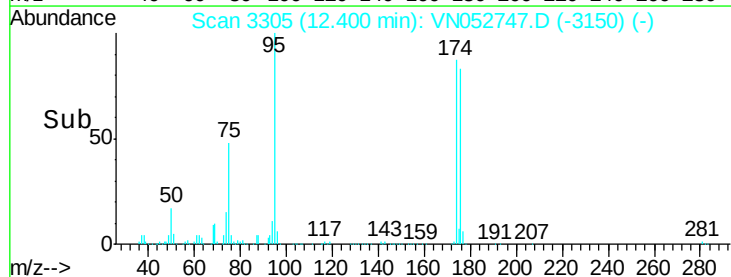
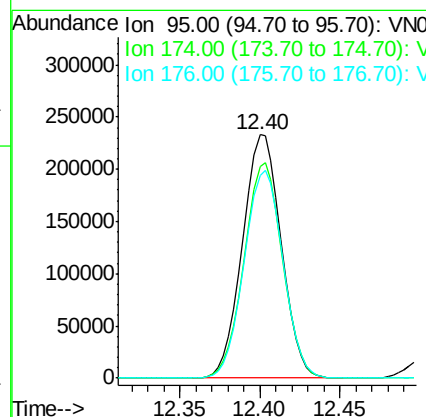
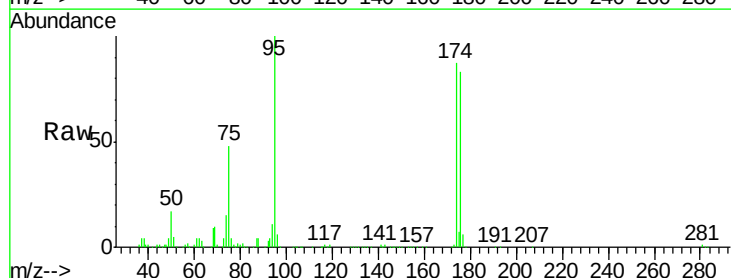
Manual Integrations
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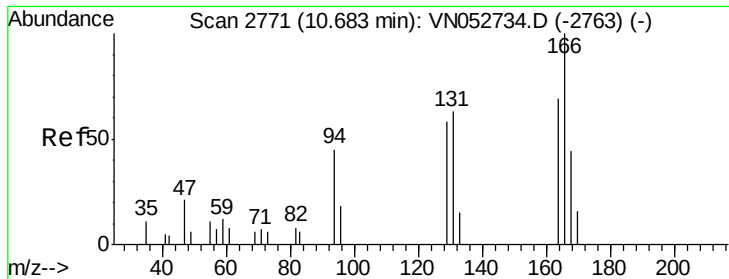
MMDadoda
12/11/2018 12:45:45 PM



#60
4-Bromofluorobenzene
Concen: 107.256 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.7	67.9	101.9
176	85.8	66.4	99.6





#61

Tetrachloroethene

Concen: 24.241 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion:164 Resp: 247289

Ion Ratio Lower Upper

164 100

166 128.2 104.6 157.0

129 90.6 75.3 112.9

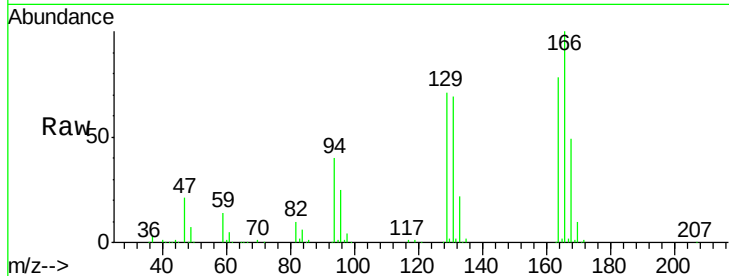
131 88.6 74.3 111.5

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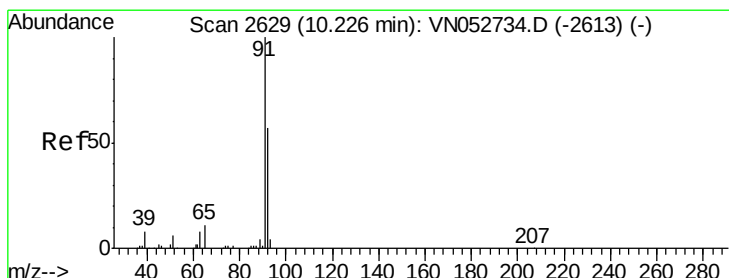
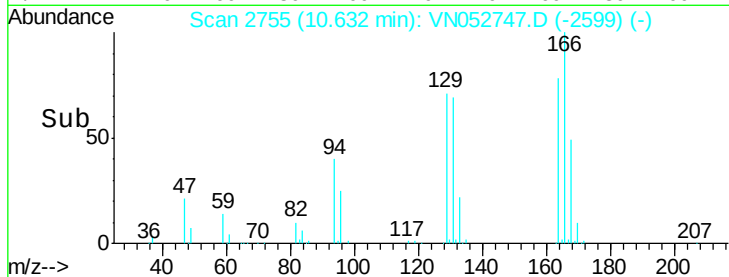
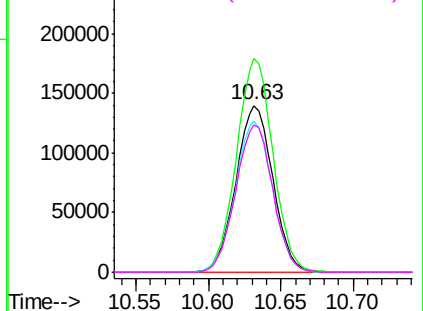


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.170 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052747.D

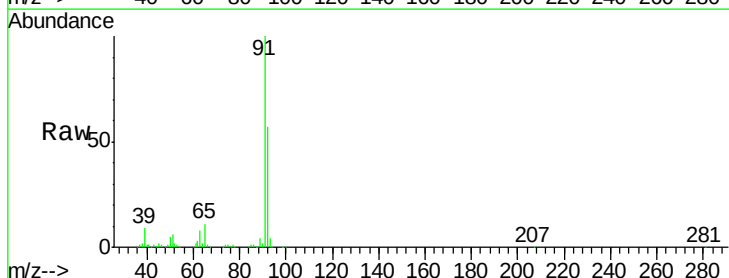
Acq: 10 Dec 2018 12:30

Tgt Ion: 91 Resp: 920950

Ion Ratio Lower Upper

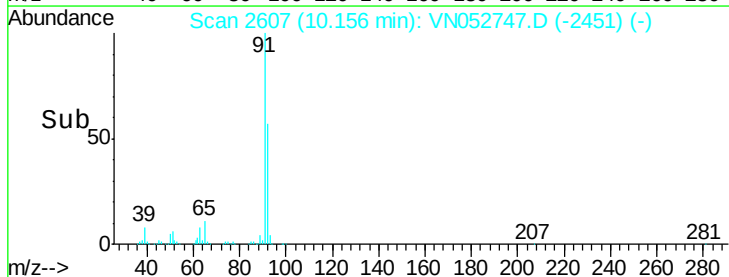
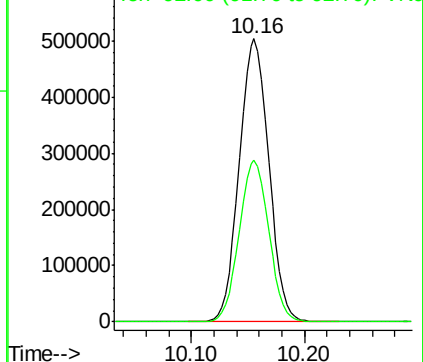
91 100

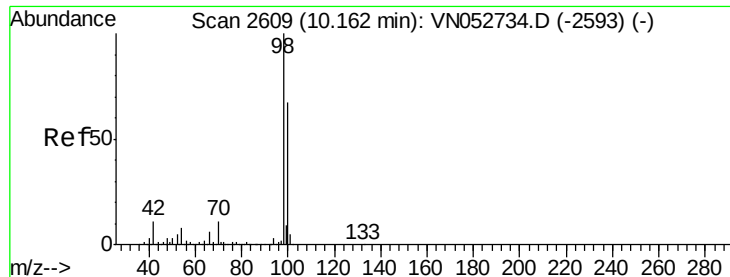
92 57.1 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 20.170 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion: 98 Resp: 1122903

Ion Ratio Lower Upper

98 100

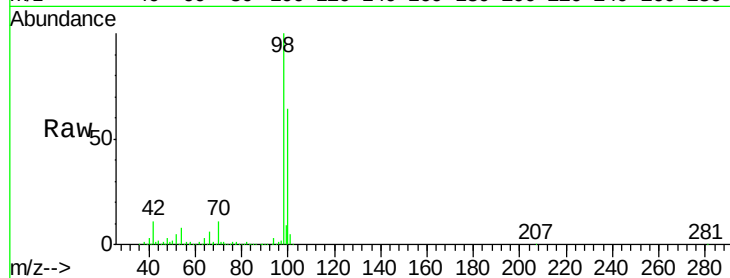
100 64.0 51.1 76.7

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Abundance Ion 98.00 (97.70 to 98.70): VN052747.D (-2431) (-)

Ion 100.00 (99.70 to 100.70): VN052747.D (-2431) (-)

10.09

600000

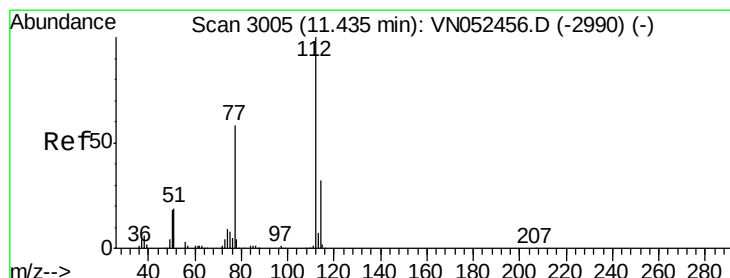
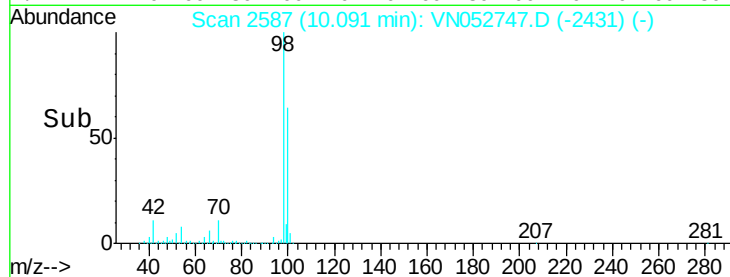
400000

200000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 20.569 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052747.D

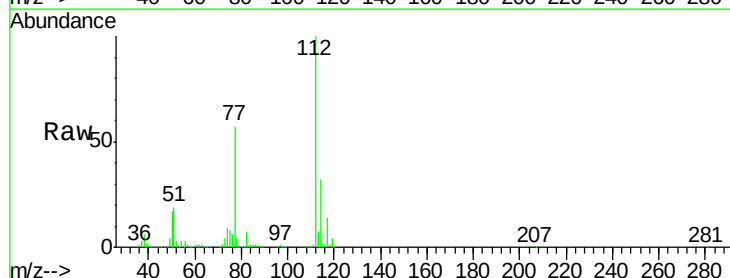
Acq: 10 Dec 2018 12:30

Tgt Ion: 112 Resp: 573241

Ion Ratio Lower Upper

112 100

114 31.7 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052747.D (-2849) (-)

Ion 114.00 (113.70 to 114.70): VN052747.D (-2849) (-)

11.43

400000

300000

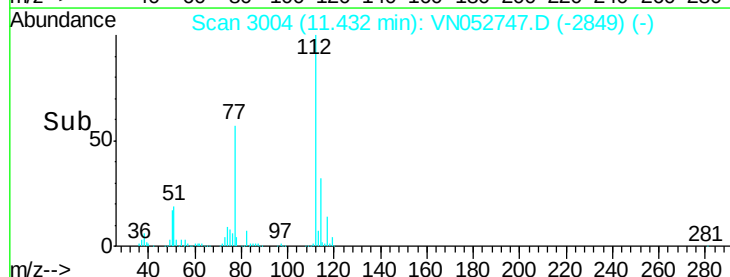
200000

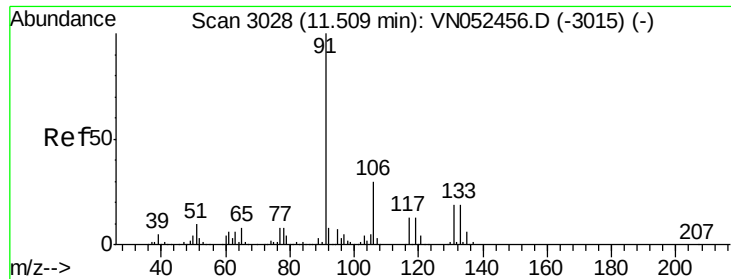
100000

0

11.40 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.735 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

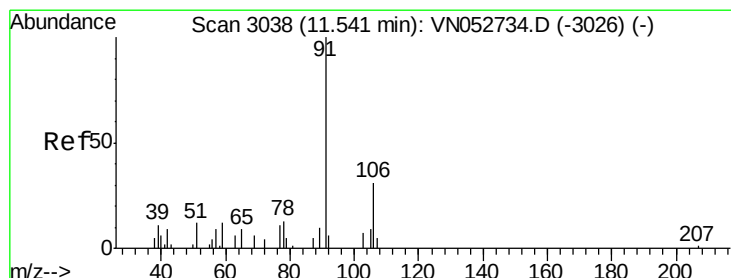
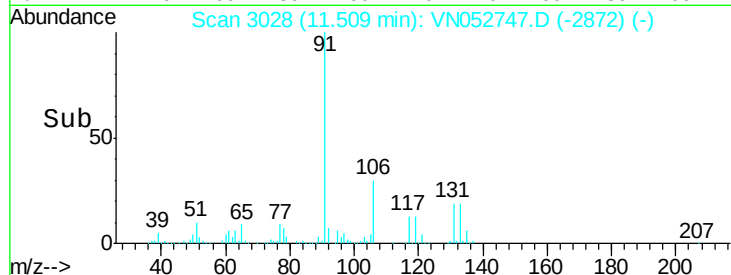
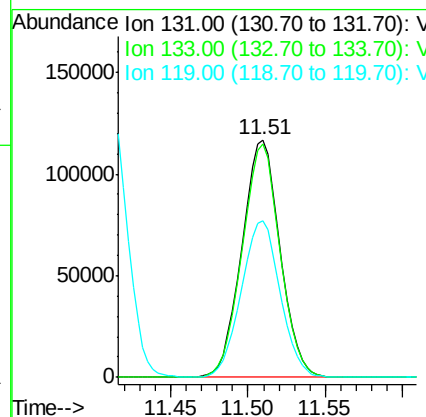
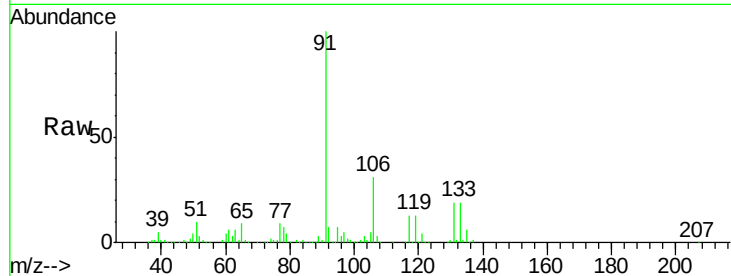
ClientSampleId :

VN1210WBSD01

Tot Ion:	131	Resp:	200588
Ion Ratio	Lower	Upper	
131	100		
133	97.3	0.0	193.4
119	67.2	0.0	133.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.218 ug/l

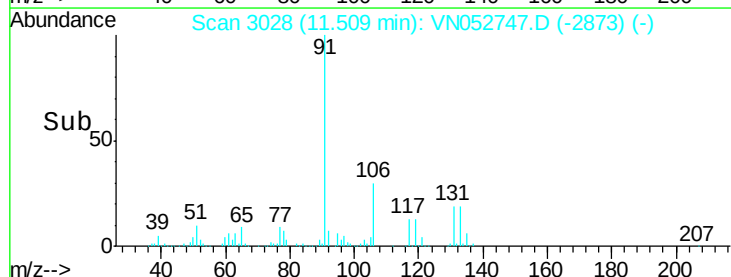
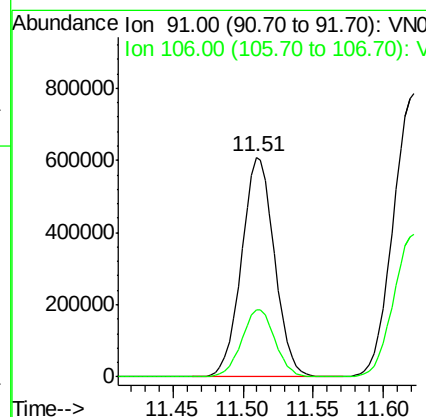
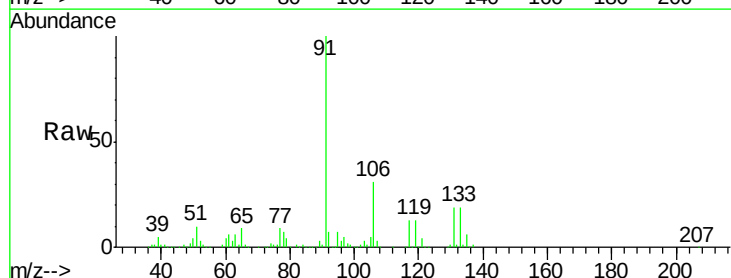
RT: 11.51 min Scan# 3028

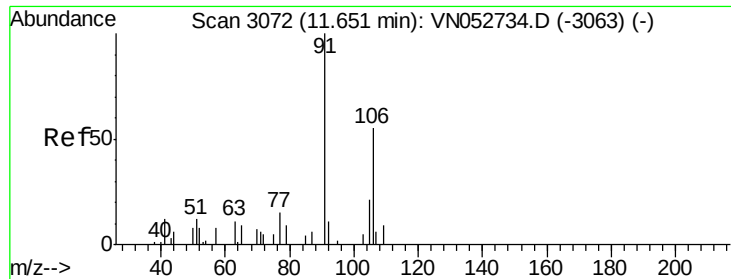
Delta R.T. -0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Tgt Ion:	91	Resp:	994954
Ion Ratio	Lower	Upper	
91	100		
106	30.8	24.3	36.5





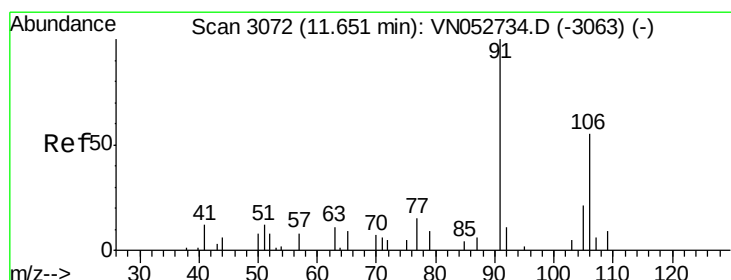
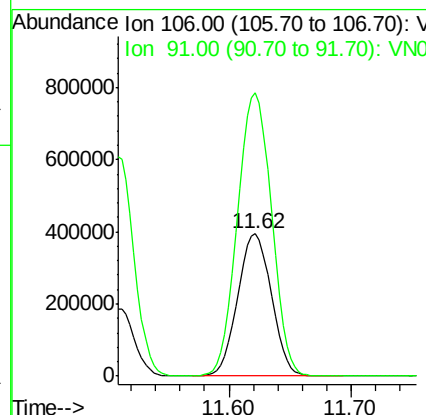
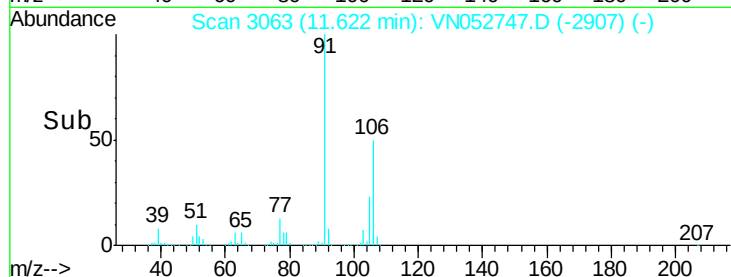
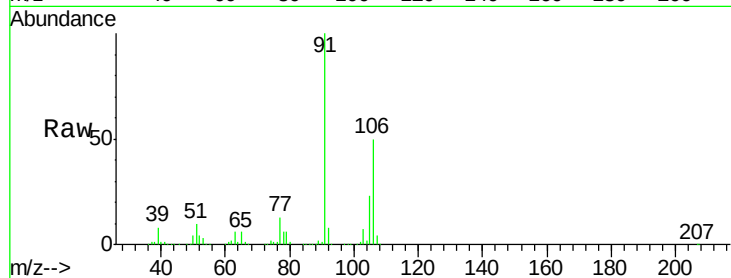
#67
m/p-Xylenes
Concen: 41.230 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion:106 Resp: 755900
Ion Ratio Lower Upper
106 100
91 201.2 163.9 245.9

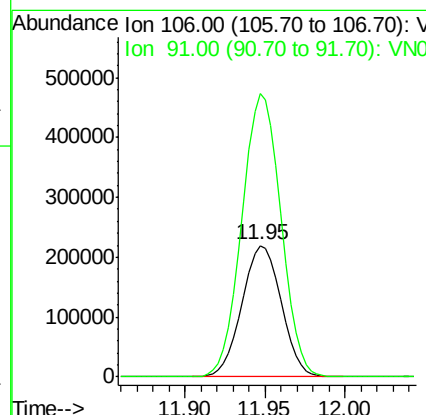
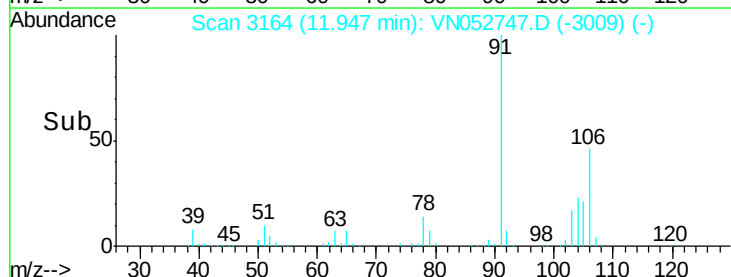
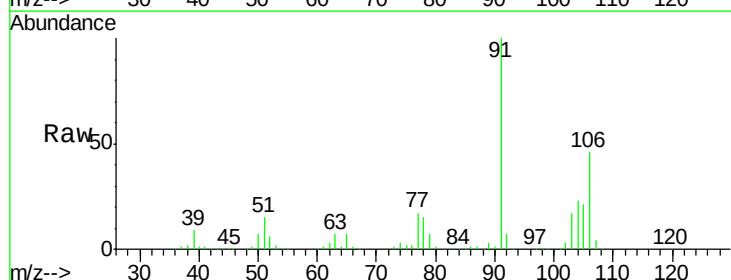
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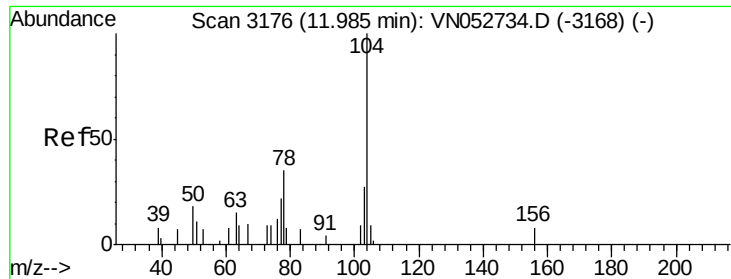
MMDadoda
12/11/2018 12:45:45 PM



#68
o-Xylene
Concen: 20.691 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion:106 Resp: 368184
Ion Ratio Lower Upper
106 100
91 214.0 107.8 323.4





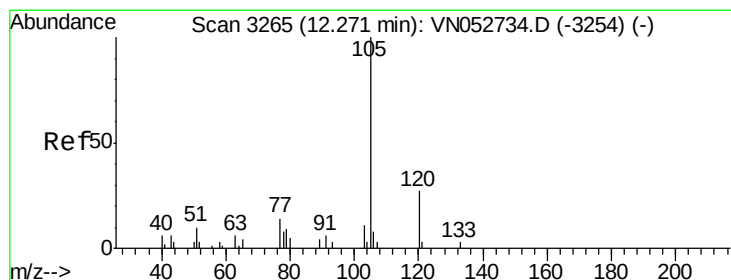
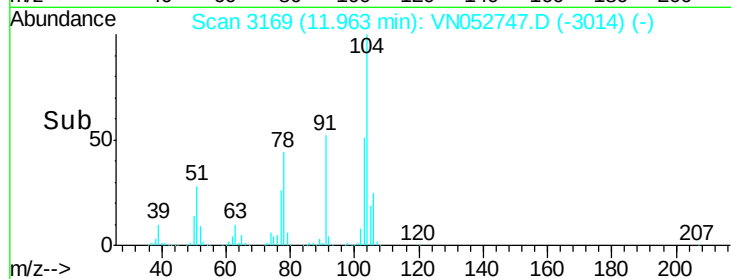
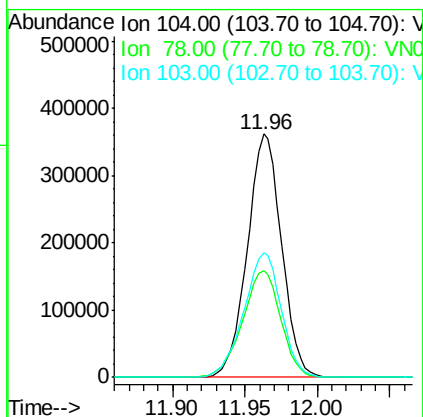
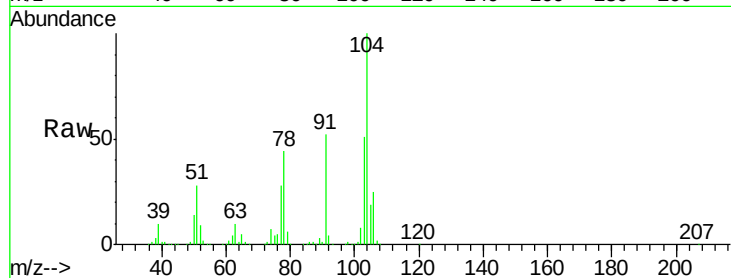
#69
Stvrene
Concen: 20.743 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	595788		
78	48.8		39.3	58.9
103	56.0		44.6	66.8

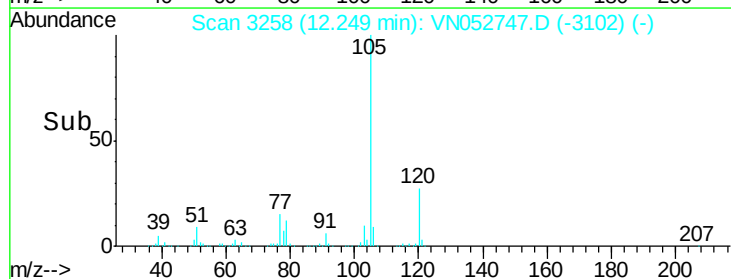
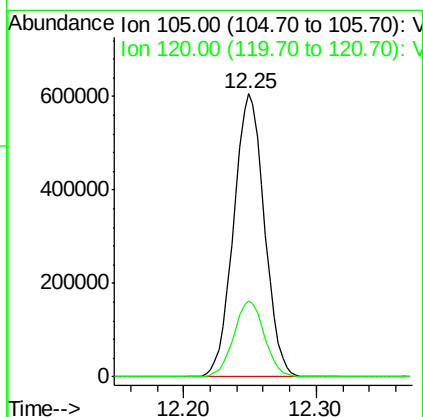
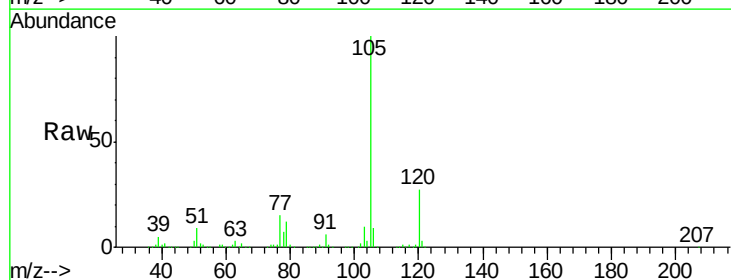
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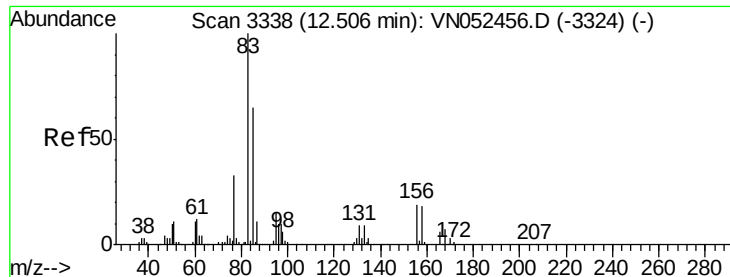
MMDadoda
12/11/2018 12:45:45 PM



#70
Isopropylbenzene
Concen: 20.542 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	972594		
120	26.7		18.6	34.6





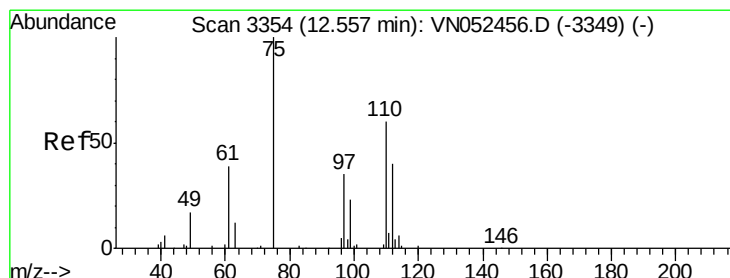
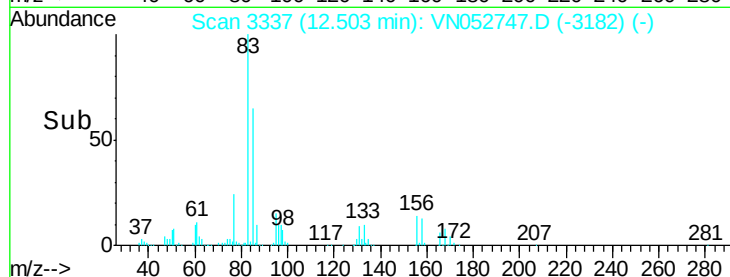
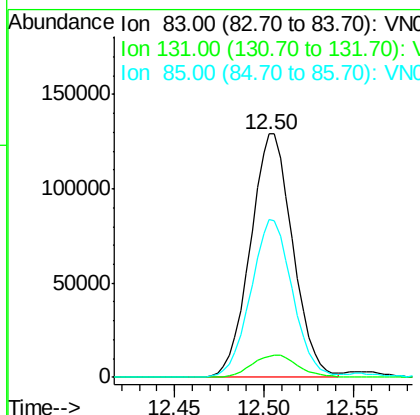
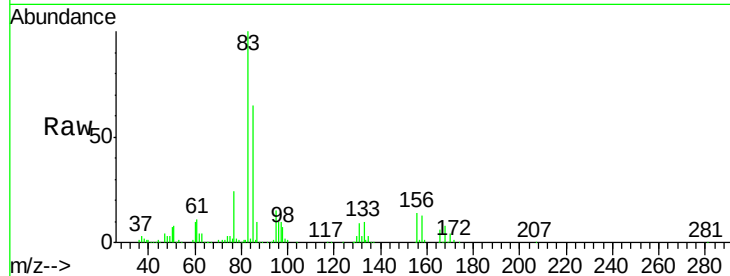
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.795 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.6
85	63.9	32.2	96.6

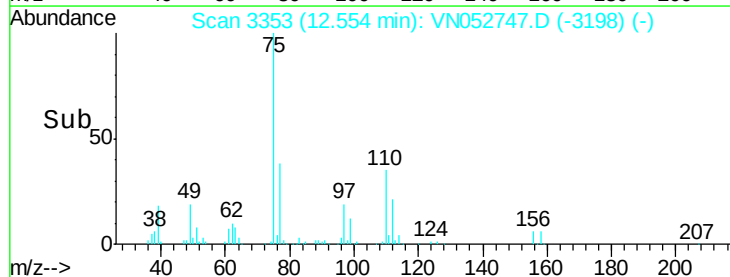
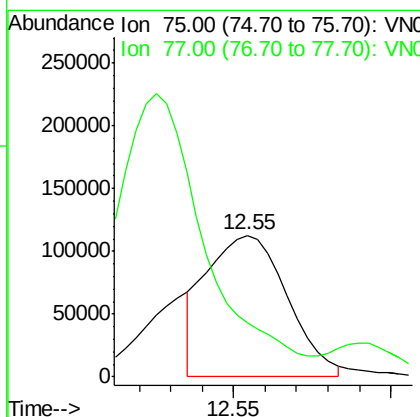
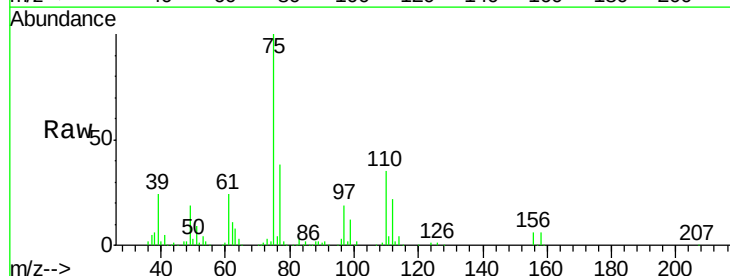
Manual Integrations
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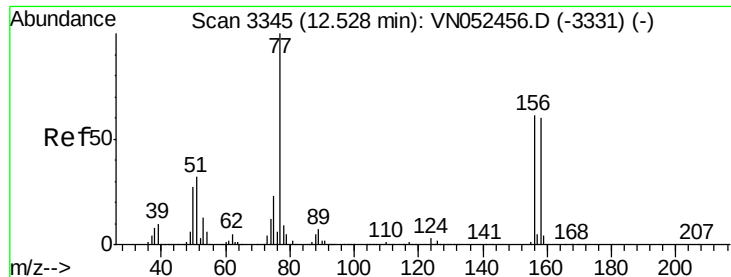
MMDadoda
 12/11/2018 12:45:45 PM



#72
 1,2,3-Trichloropropane
 Concen: 22.832 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	221.7	0.0	514.8





#73

Bromobenzene

Concen: 21.511 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

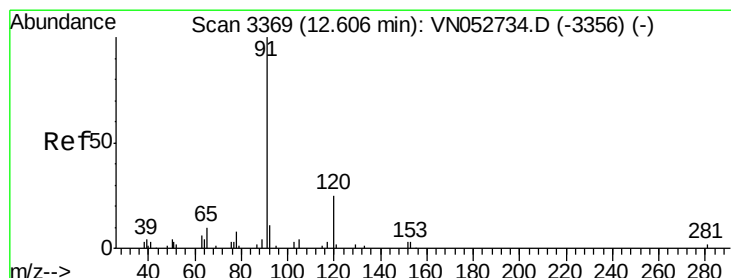
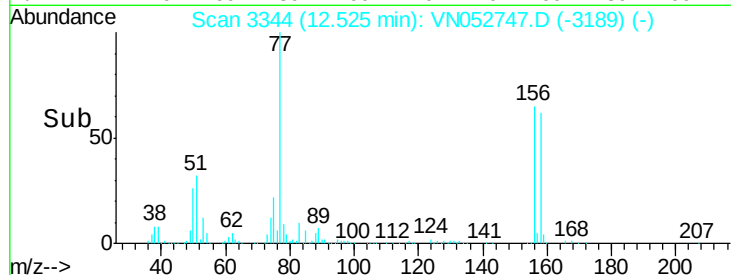
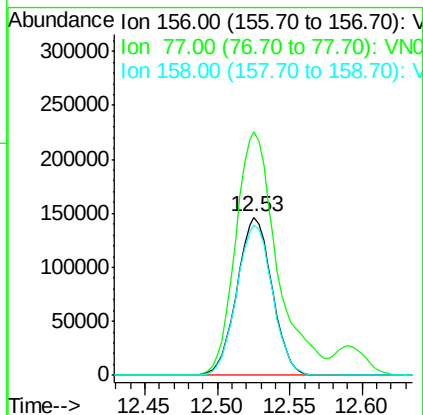
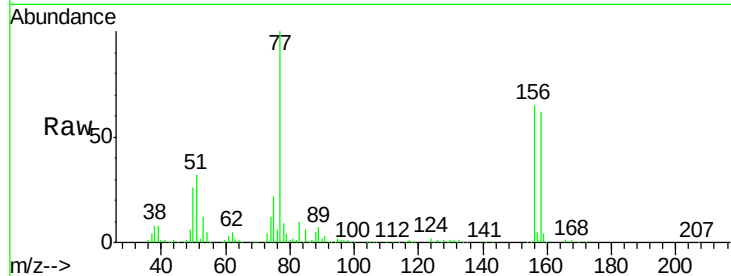
ClientSampleId :

VN1210WBSD01

Tot Ion:	156	Resp:	246321
Ion Ratio	Lower	Upper	
156	100		
77	181.7	0.0	382.6
158	96.8	0.0	196.8

Manual Integrations
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12/11/2018 12:45:45 PM



#74

n-propylbenzene

Concen: 20.273 ug/l

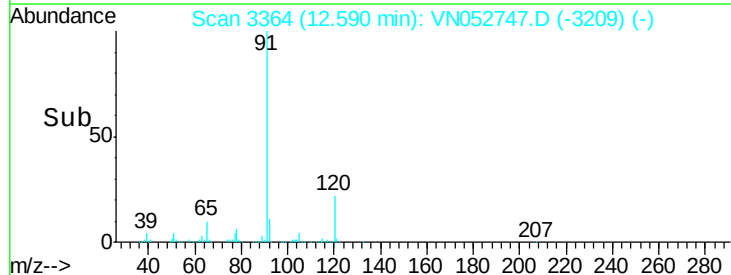
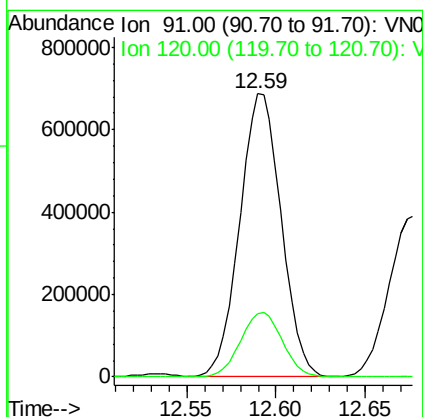
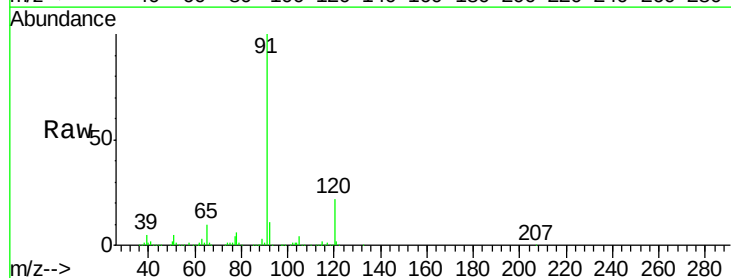
RT: 12.59 min Scan# 3364

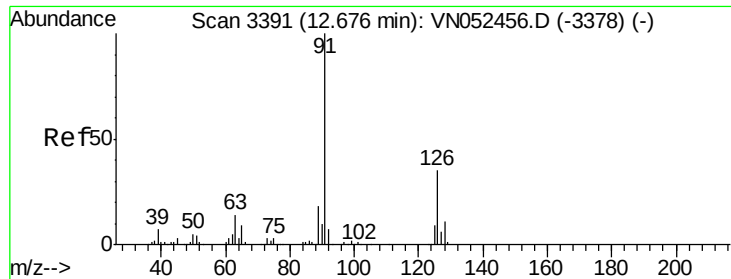
Delta R.T. -0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Tgt Ion:	91	Resp:	1118368
Ion Ratio	Lower	Upper	
91	100		
120	22.8	0.0	44.6





#75

2-Chlorotoluene

Concen: 20.526 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion: 91 Resp: 657256

Ion Ratio Lower Upper

91 100

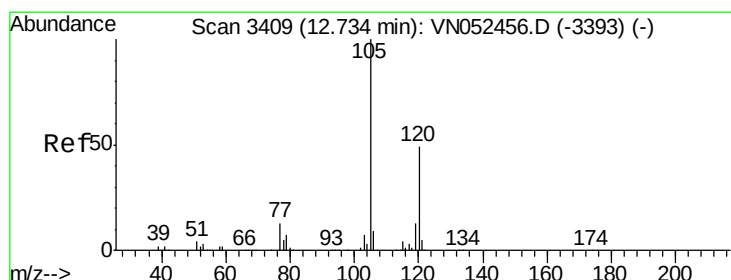
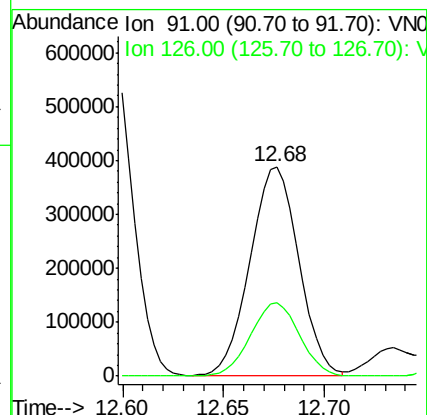
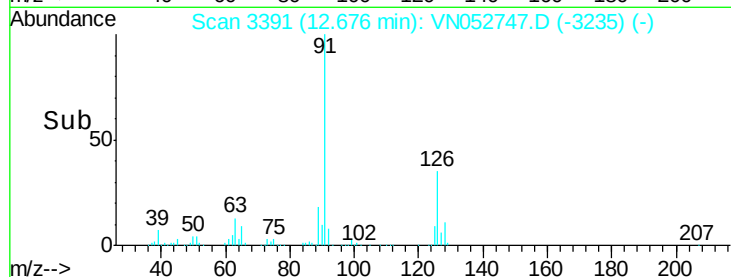
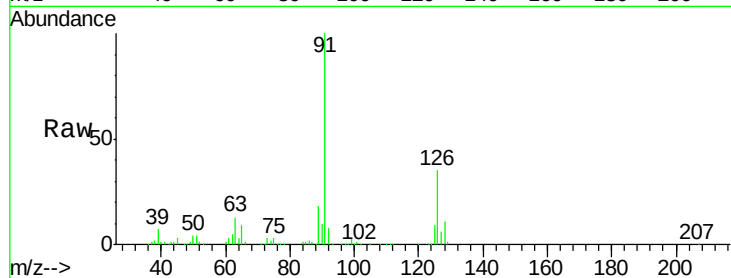
126 35.2 0.0 68.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.838 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052747.D

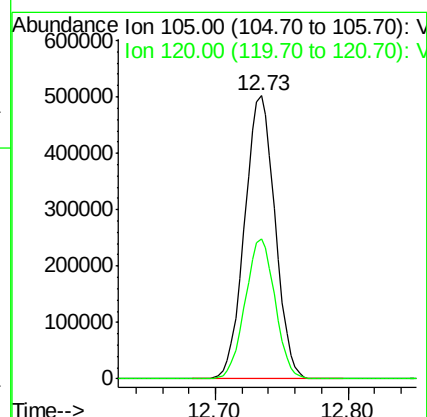
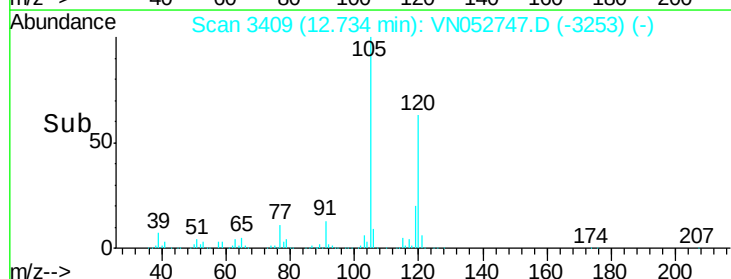
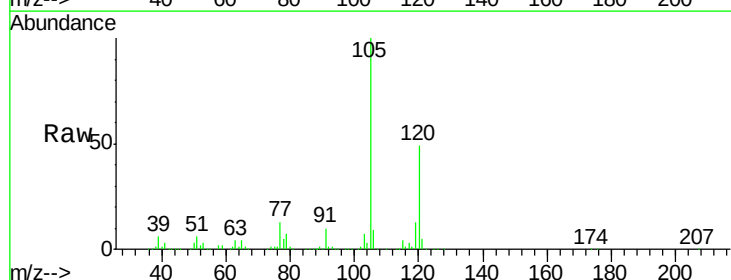
Acq: 10 Dec 2018 12:30

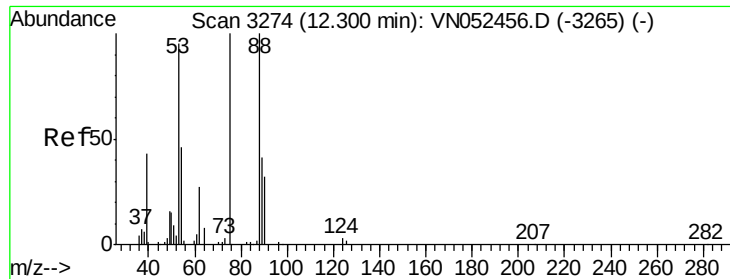
Tgt Ion: 105 Resp: 796865

Ion Ratio Lower Upper

105 100

120 48.7 0.0 97.4





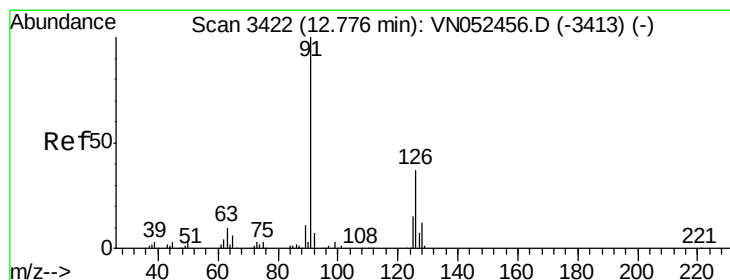
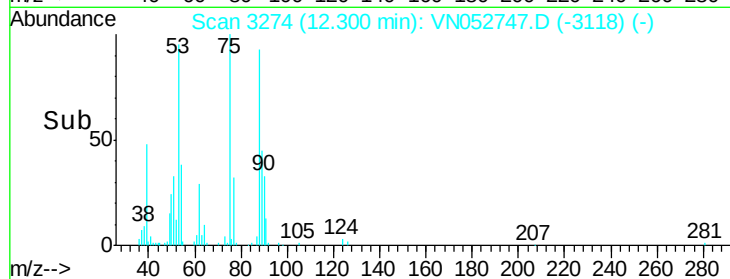
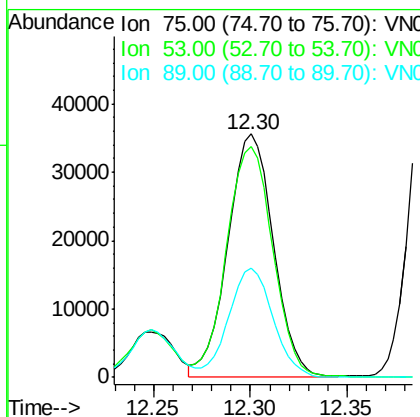
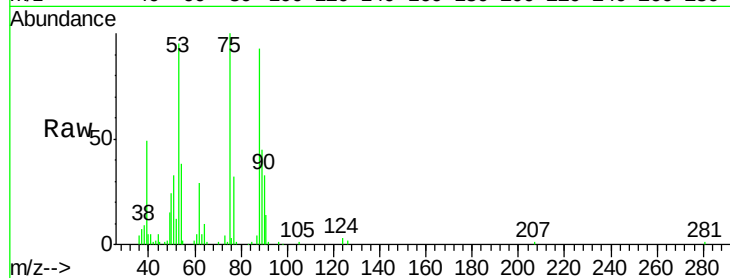
#77
 t-1,4-Dichloro-2-butene
 Concen: 20.962 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.6	48.5	145.6
89	45.4	21.7	65.1

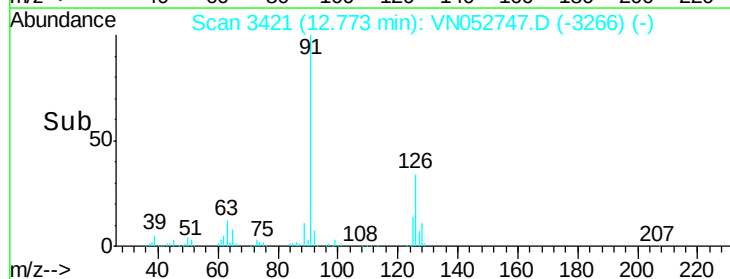
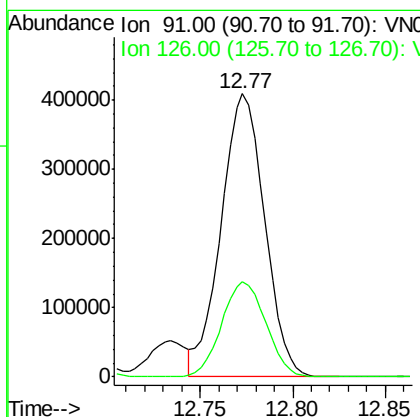
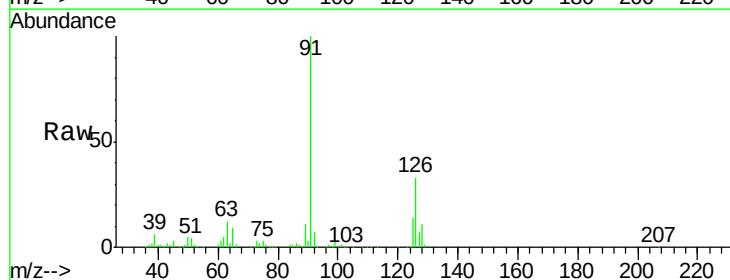
Manual Integrations
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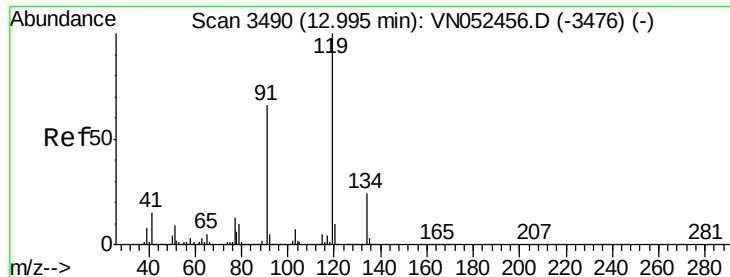
MMDadoda
 12/11/2018 12:45:45 PM



#78
 4-Chlorotoluene
 Concen: 20.773 ug/l
 RT: 12.77 min Scan# 3421
 Delta R.T. -0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	0.0	68.2





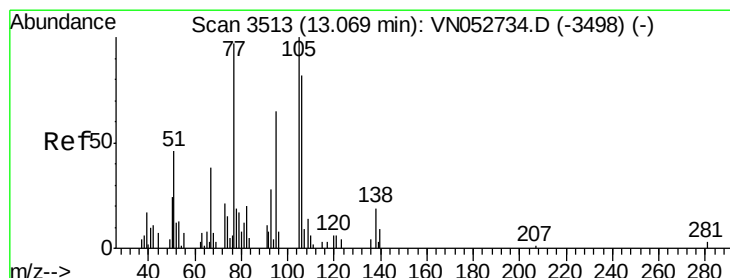
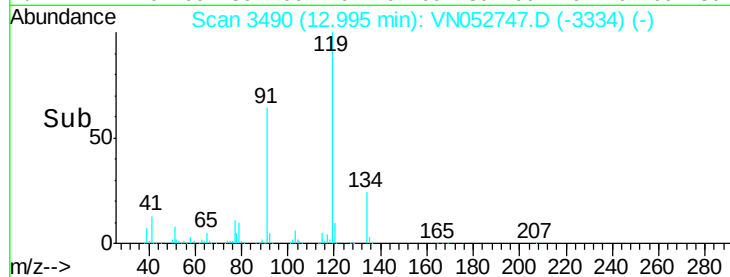
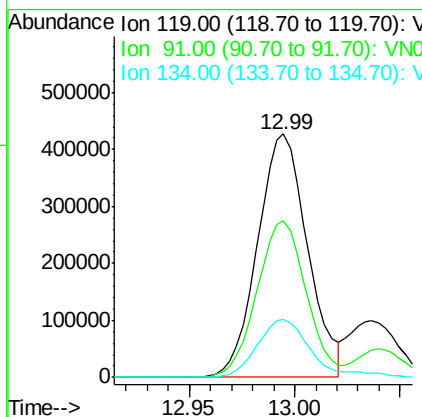
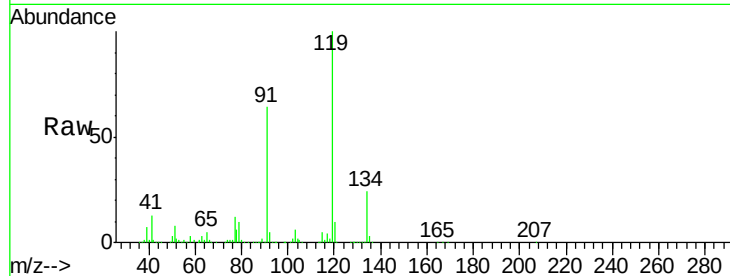
#79
 tert-butylbenzene
 Concen: 21.131 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	703745		
91	63.8		0.0	129.8
134	25.6		0.0	52.2

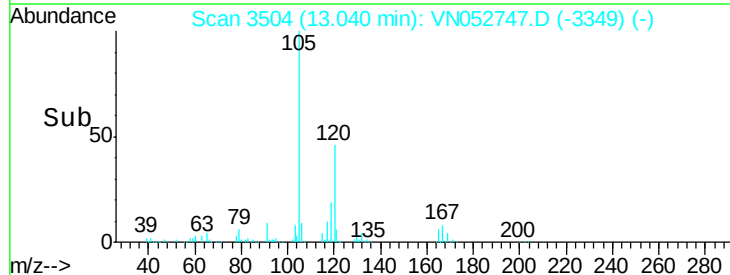
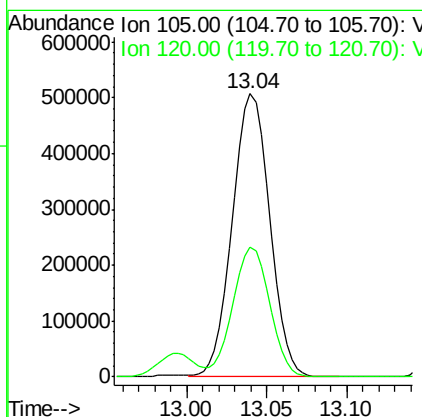
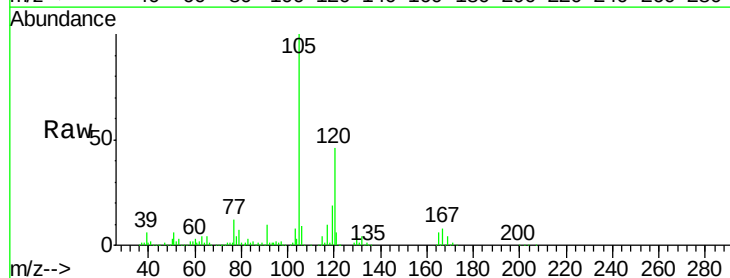
Manual Integrations
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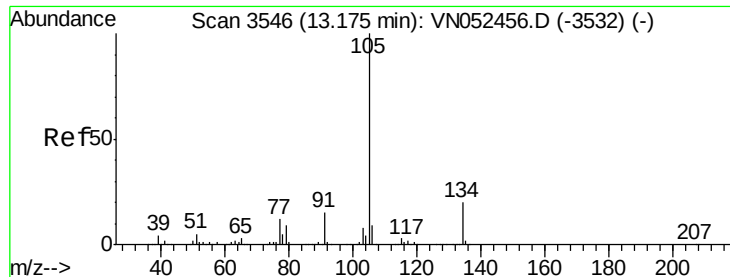
MMDadoda
 12/11/2018 12:45:45 PM



#80
 1,2,4-Trimethylbenzene
 Concen: 21.079 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	806602		
120	45.5		0.0	91.0





#81

sec-Butylbenzene

Concen: 20.589 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion:105 Resp: 955105

Ion Ratio Lower Upper

105 100

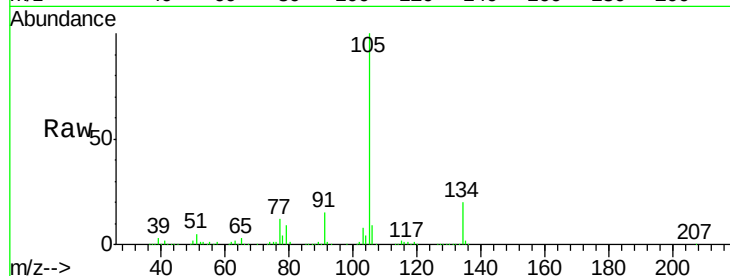
134 20.3 0.0 40.4

Manual Integrations

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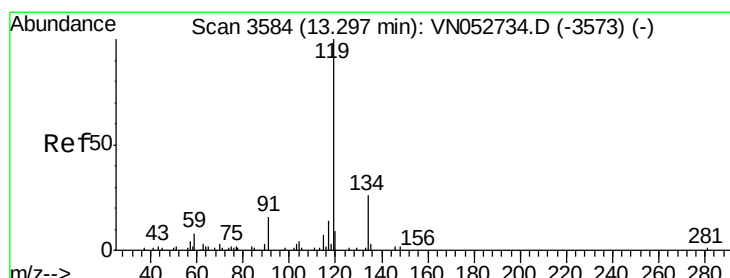
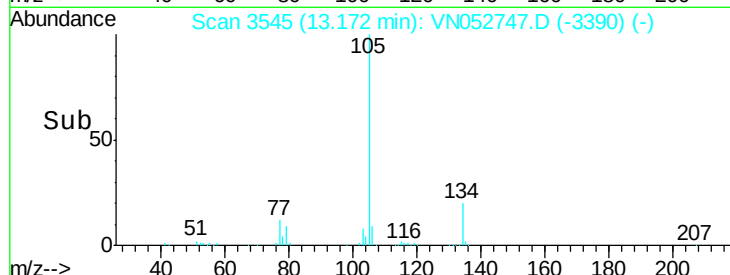
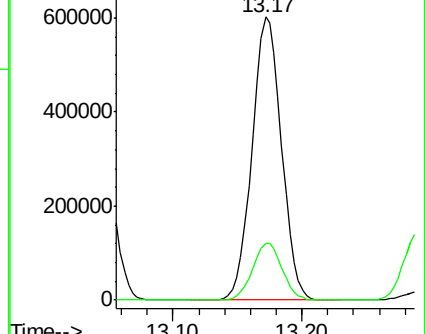
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.662 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

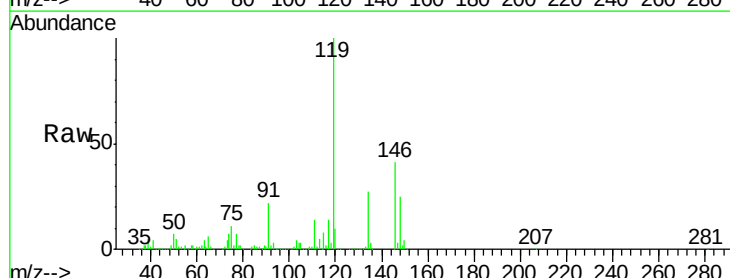
Tgt Ion:119 Resp: 816169

Ion Ratio Lower Upper

119 100

134 26.7 0.0 52.6

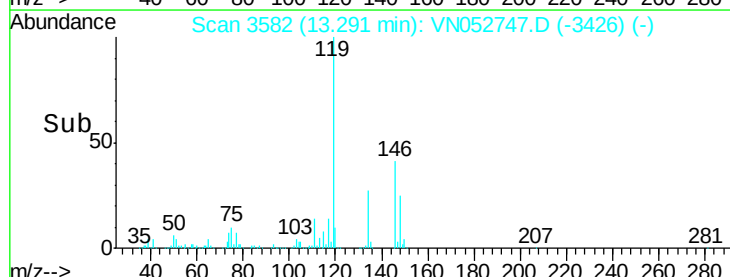
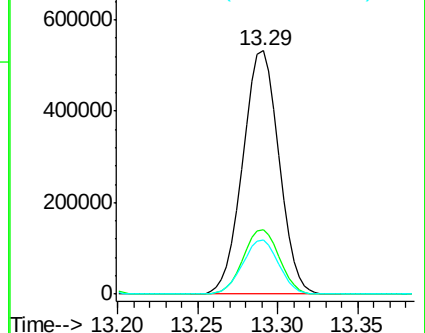
91 22.2 0.0 46.2

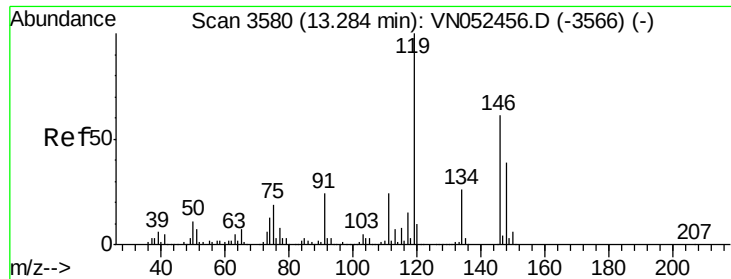


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





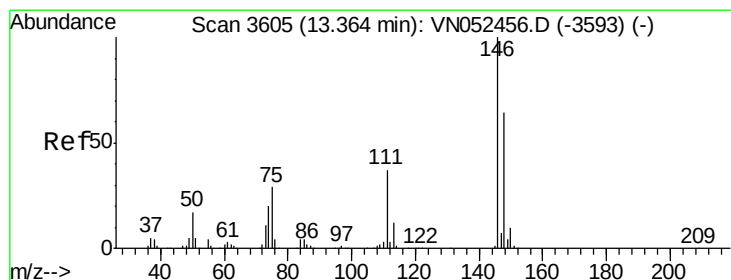
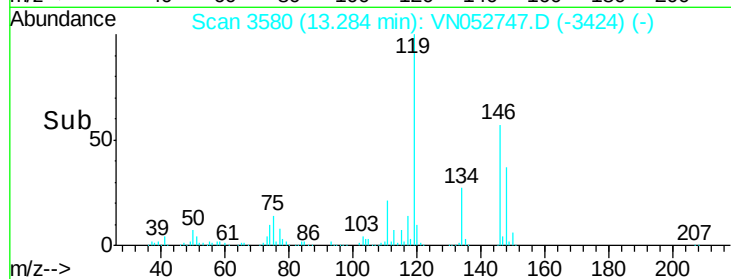
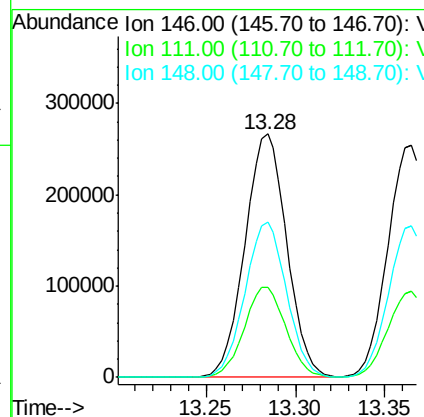
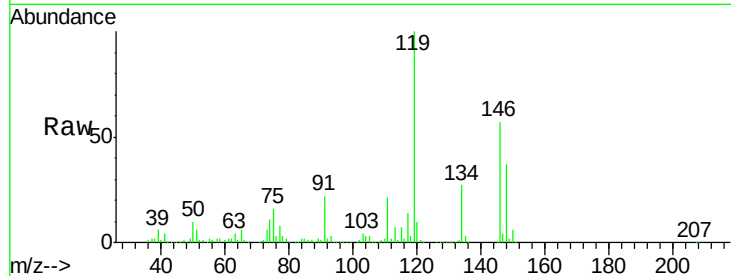
#83
 1,3-Dichlorobenzene
 Concen: 21.711 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.7	59.0
148	63.4	32.3	96.8

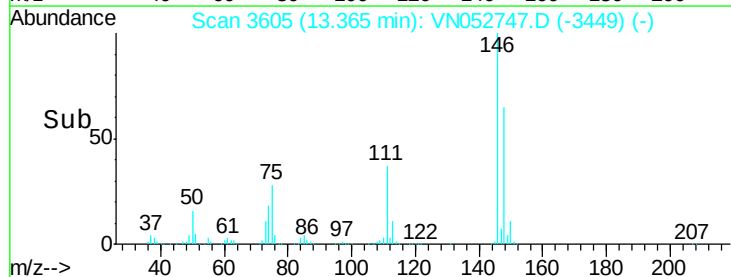
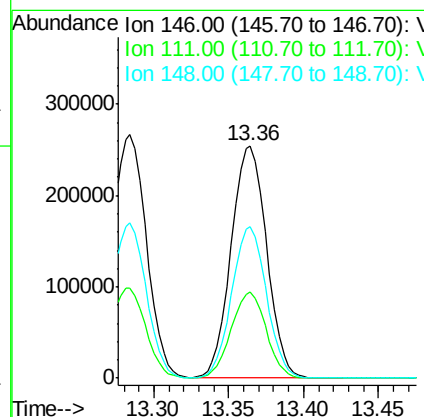
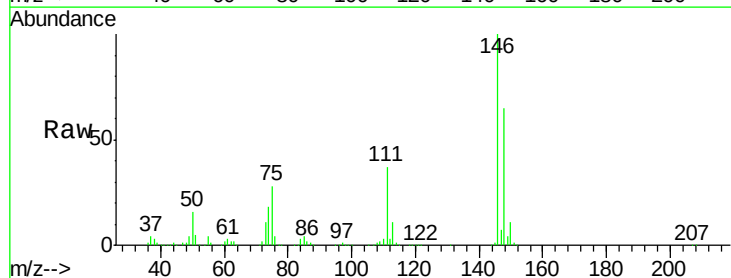
Manual Integrations
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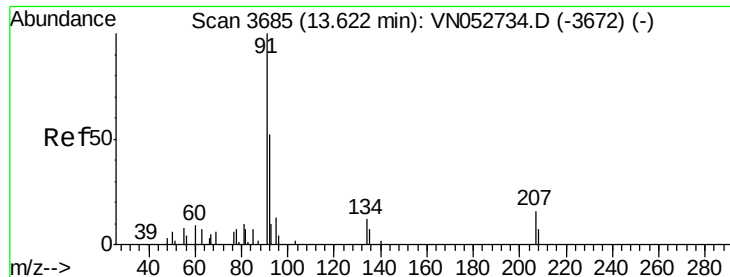
MMDadoda
 12/11/2018 12:45:45 PM



#84
 1,4-Dichlorobenzene
 Concen: 21.659 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.8	56.3
148	63.6	32.5	97.4





#85

n-Butylbenzene

Concen: 20.081 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

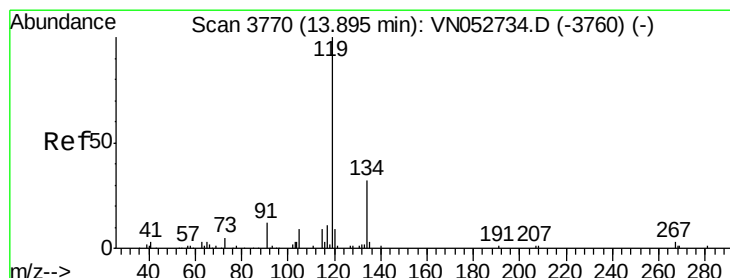
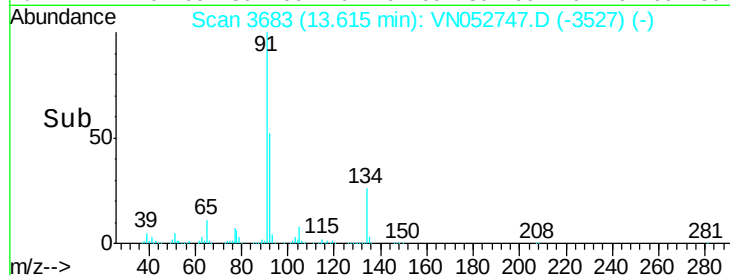
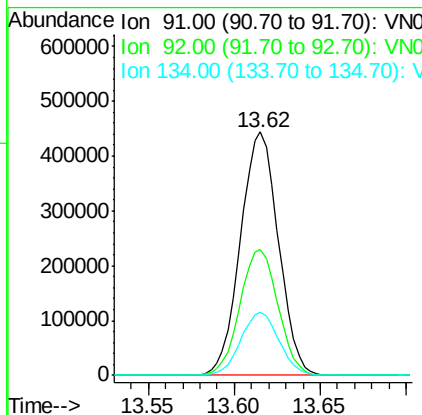
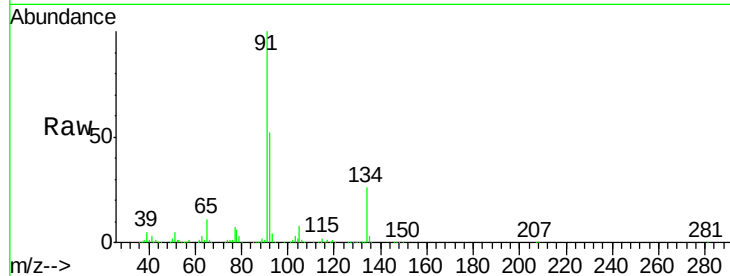
ClientSampleId :

VN1210WBSD01

Tot Ion:	91	Resp:	681349
Ion	Ratio	Lower	Upper
91	100		
92	52.0	0.0	104.2
134	26.1	0.0	50.6

Manual Integrations
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#86

Hexachloroethane

Concen: 19.812 ug/l

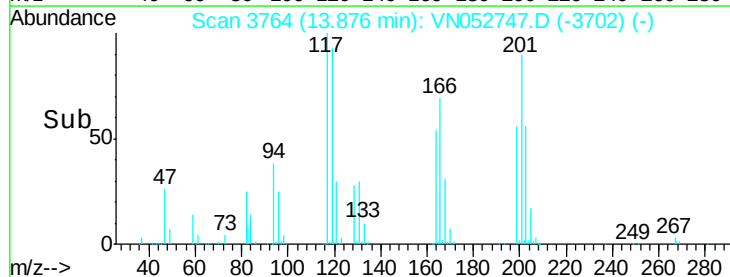
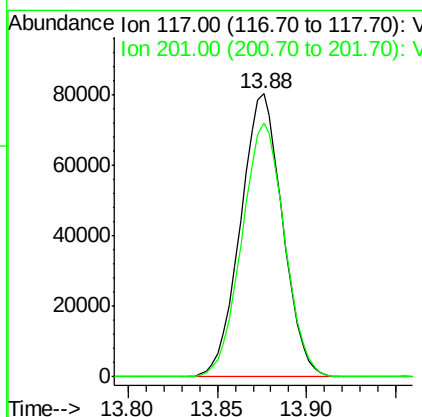
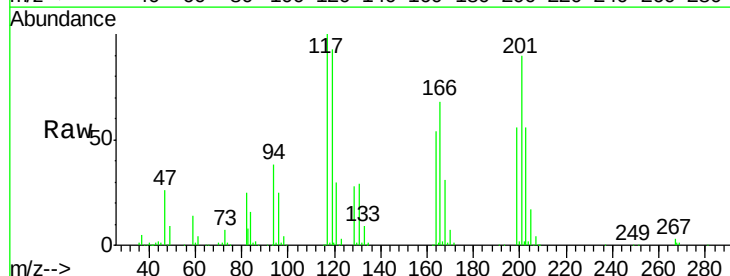
RT: 13.88 min Scan# 3764

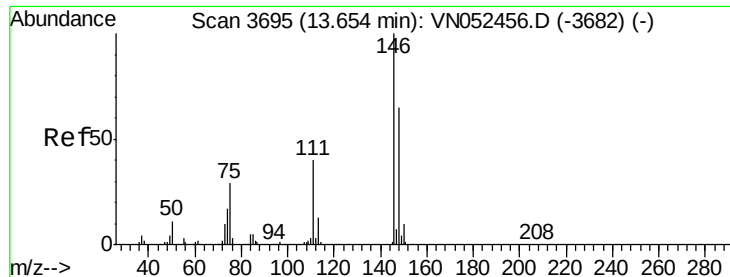
Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Tgt Ion:	117	Resp:	132600
Ion	Ratio	Lower	Upper
117	100		
201	91.0	43.8	131.3





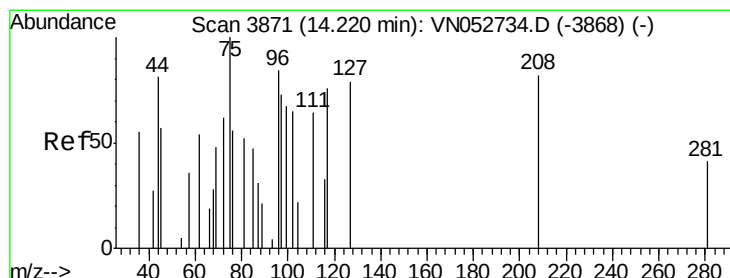
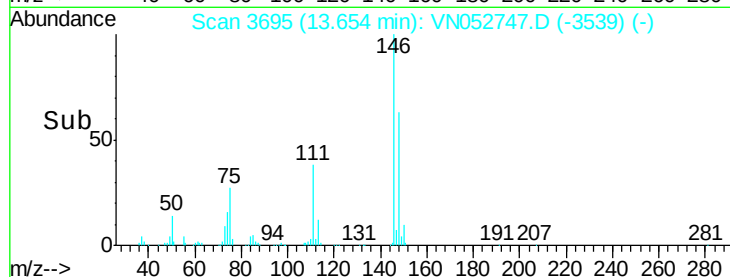
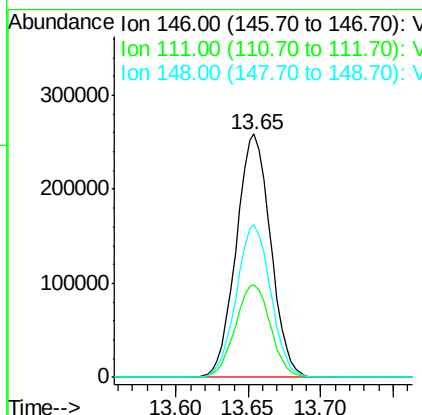
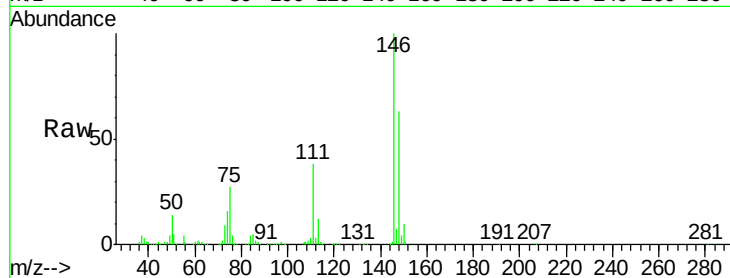
#87
 1,2-Dichlorobenzene
 Concen: 22.253 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.3	60.8
148	62.6	32.1	96.5

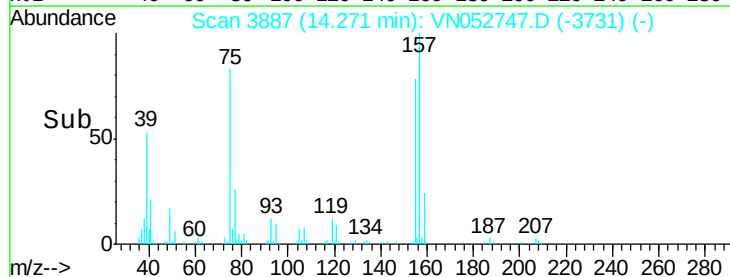
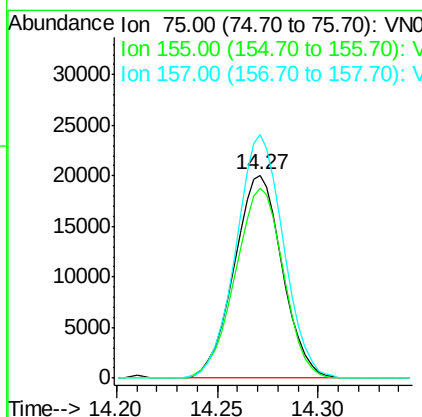
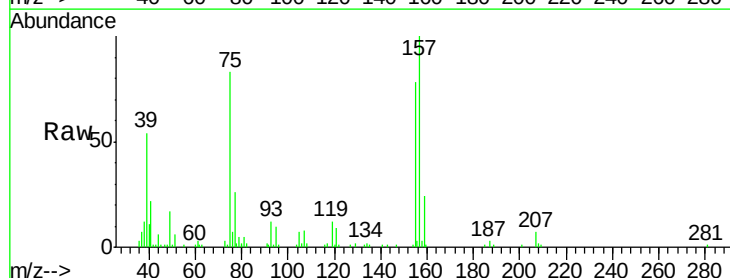
Manual Integrations
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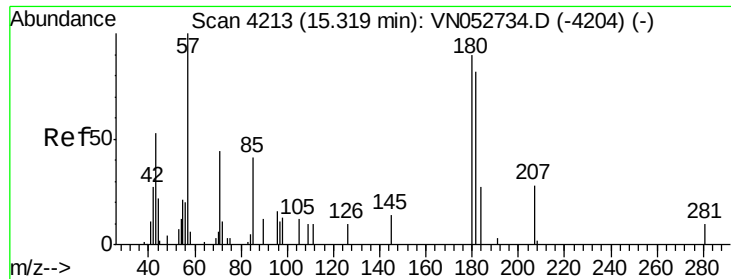
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 23.203 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	72.2	108.2
157	118.2	94.2	141.2





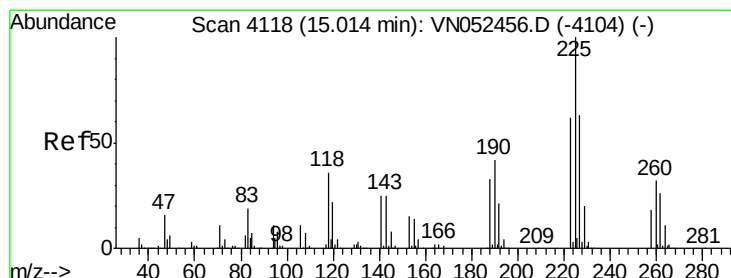
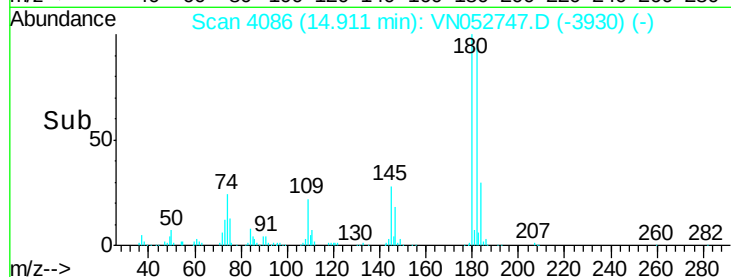
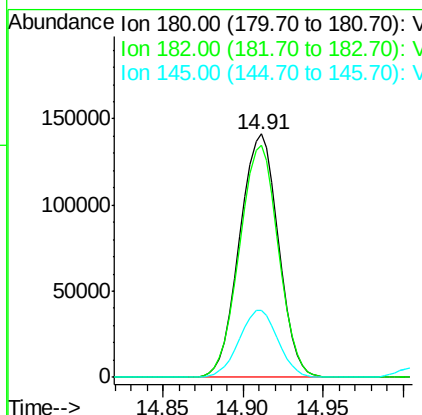
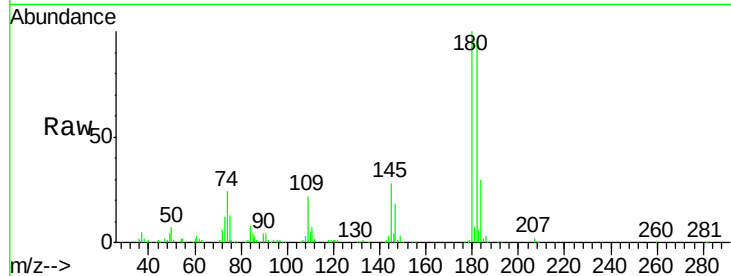
#89
1,2,4-Trichlorobenzene
Concen: 24.669 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	114.8
145	27.6	23.6	35.4

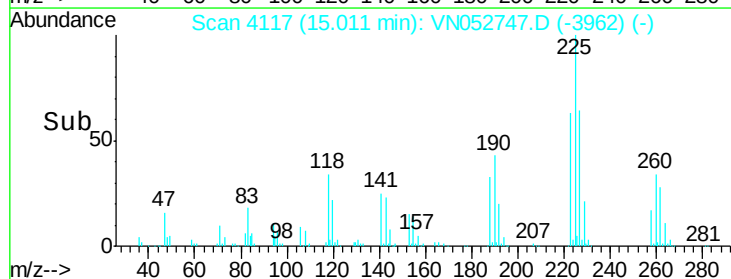
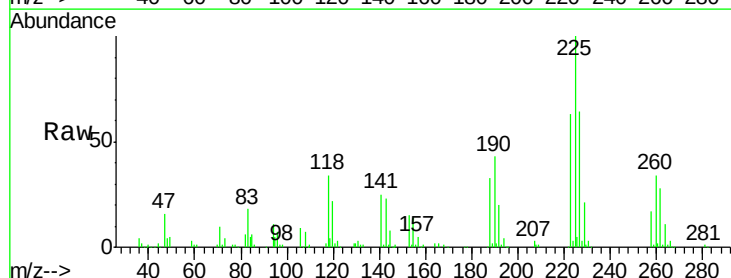
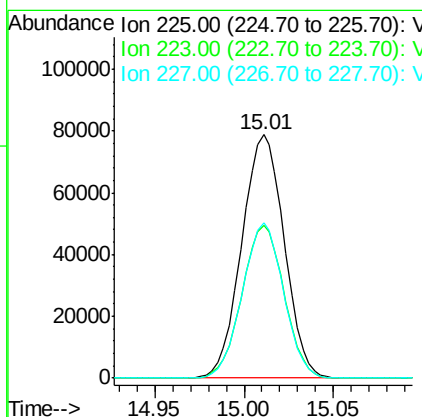
Manual Integrations
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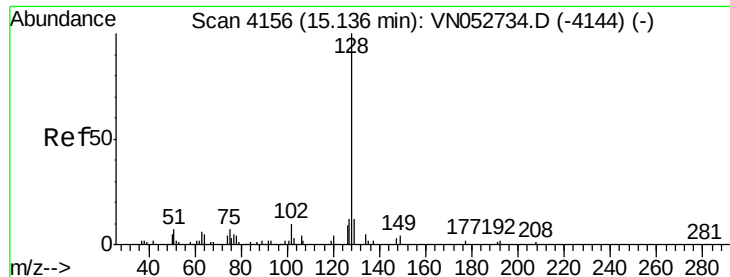
MMDadoda
12/11/2018 12:45:45 PM



#90
Hexachlorobutadiene
Concen: 21.176 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	0.0	125.6
227	62.0	0.0	127.8





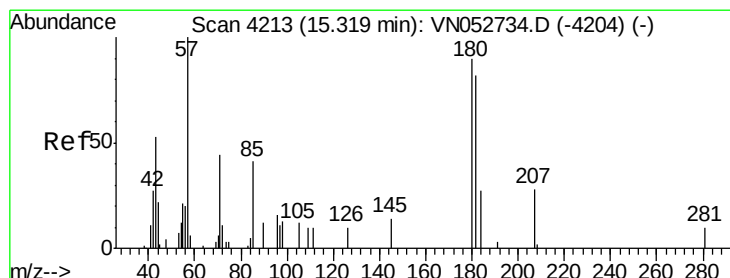
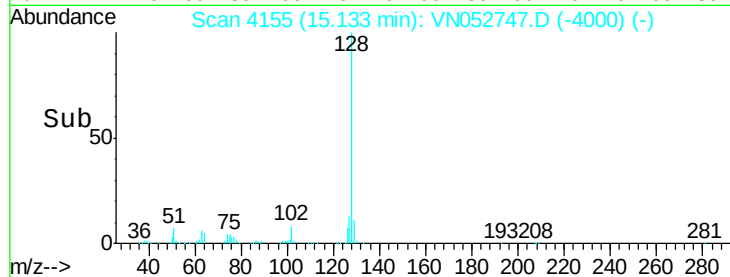
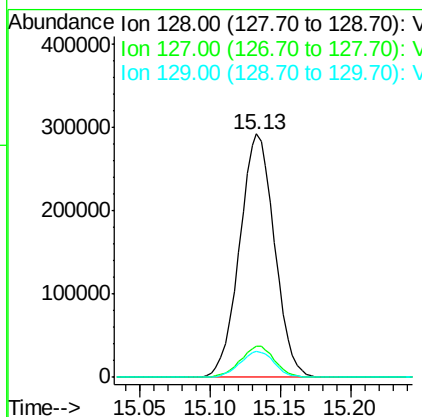
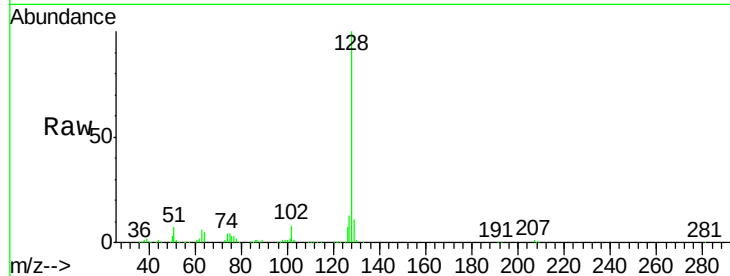
#91
Naphthalene
Concen: 26.484 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		504990		
127	12.6		9.9	14.9	
129	10.6		8.5	12.7	

Manual Integrations
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12/11/2018 12:45:45 PM



#92
1,2,3-Trichlorobenzene
Concen: 24.791 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		215720		
182	96.8		0.0	196.2	
145	30.7		0.0	62.2	

