

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049912.D
 Acq On : 19 Jul 2018 13:24
 Operator : MD\SY
 Sample : VN0719WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 11:08:04 AM

Quant Time: Jul 20 01:46:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	593026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	897196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	808327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	428279	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	419149	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	7.59	113	371084	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	10.09	98	1364413	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.40	95	465063	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	109655	19.40	ug/l	96
3) Chloromethane	2.06	50	146223	18.06	ug/l	99
4) Vinyl Chloride	2.18	62	159911	18.52	ug/l	100
5) Bromomethane	2.57	94	63120	11.61	ug/l	96
6) Chloroethane	2.70	64	104916	18.61	ug/l	99
7) Trichlorofluoromethane	3.02	101	223807	18.86	ug/l	97
8) Diethyl Ether	3.41	74	81305	19.64	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	141129	19.29	ug/l	99
10) Methyl Iodide	3.95	142	67319	6.86	ug/l	98
11) Tert butyl alcohol	4.80	59	58010	99.90	ug/l	100
12) 1,1-Dichloroethene	3.73	96	124317	19.34	ug/l	96
13) Acrolein	3.60	56	32198	86.05	ug/l	96
14) Allyl chloride	4.32	41	200550	19.79	ug/l	98
15) Acrylonitrile	4.99	53	249444	97.68	ug/l	99
16) Acetone	3.82	43	204494	96.90	ug/l	100
17) Carbon Disulfide	4.05	76	353312	18.37	ug/l	100
18) Methyl Acetate	4.33	43	137423	20.23	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	368007	20.80	ug/l	98
20) Methylene Chloride	4.55	84	148244	18.47	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	133261	19.52	ug/l	96
22) Diisopropyl ether	5.95	45	441214	21.33	ug/l	97
23) Vinyl Acetate	5.90	43	1482724	102.18	ug/l	99
24) 1,1-Dichloroethane	5.85	63	263704	19.86	ug/l	99
25) 2-Butanone	6.84	43	296122	98.18	ug/l	97
26) 2,2-Dichloropropane	6.83	77	213867	20.70	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	155877	20.81	ug/l	99
28) Bromochloromethane	7.20	49	121760	20.31	ug/l	98
29) Tetrahydrofuran	7.22	42	191843	100.97	ug/l	99
30) Chloroform	7.37	83	271572	19.92	ug/l	99
31) Cyclohexane	7.65	56	220304	20.38	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	231897	19.68	ug/l	99
36) 1,1-Dichloropropene	7.79	75	199606	20.01	ug/l	99
37) Ethyl Acetate	6.93	43	128928	18.82	ug/l	100
38) Carbon Tetrachloride	7.77	117	202741	18.97	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	200995	19.50	ug/l	97
40) Benzene	8.04	78	602080	19.80	ug/l	99
41) Methacrylonitrile	7.17	41	65674	19.12	ug/l #	50
42) 1,2-Dichloroethane	8.13	62	196476	19.51	ug/l	100
43) Isopropyl Acetate	8.17	43	258463	21.60	ug/l #	90
44) Trichloroethene	8.83	130	156653	19.65	ug/l	97
45) 1,2-Dichloropropane	9.12	63	160090	19.52	ug/l	97
46) Dibromomethane	9.21	93	96075	18.89	ug/l	100
47) Bromodichloromethane	9.40	83	206453	19.62	ug/l	97
48) Methyl methacrylate	9.20	41	114205	19.02	ug/l	99
49) 1,4-Dioxane	9.20	88	35092	412.06	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	667577	99.79	ug/l	100
52) Toluene	10.16	92	368099	20.30	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	201115	19.33	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	227904	19.82	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	142103	18.97	ug/l	99
56) Ethyl methacrylate	10.43	69	173950	18.70	ug/l	98
57) 1,3-Dichloropropane	10.71	76	230942	19.57	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	408549	92.77	ug/l	99
59) 2-Hexanone	10.75	43	442955	98.57	ug/l	98
60) Dibromochloromethane	10.90	129	156295	19.02	ug/l	99
61) 1,2-Dibromoethane	11.01	107	136774	19.54	ug/l	100
64) Tetrachloroethene	10.63	164	142566	19.63	ug/l	99
65) Chlorobenzene	11.43	112	404306	19.91	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	153539	19.52	ug/l	99
67) Ethyl Benzene	11.51	91	671544	20.38	ug/l	99
68) m/p-Xylenes	11.62	106	529444	42.45	ug/l	100
69) o-Xylene	11.95	106	249094	20.79	ug/l	98
70) Styrene	11.96	104	410185	21.14	ug/l	100
71) Bromoform	12.13	173	108769	19.33	ug/l #	100
73) Isopropylbenzene	12.25	105	674093	20.72	ug/l	100
74) N-amyl acetate	12.07	43	203137	20.51	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	182877	18.76	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	158127m	19.68	ug/l	
77) Bromobenzene	12.53	156	176445	19.64	ug/l	98
78) n-propylbenzene	12.59	91	773988	20.93	ug/l	100
79) 2-Chlorotoluene	12.67	91	468969	20.65	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	556759	21.35	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45498	17.71	ug/l	97
82) 4-Chlorotoluene	12.77	91	480372	21.08	ug/l	99
83) tert-Butylbenzene	12.99	119	470889	20.56	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	572869	21.69	ug/l	99
85) sec-Butylbenzene	13.17	105	643417	21.26	ug/l	100
86) p-Isopropyltoluene	13.29	119	556894	21.59	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	310054	19.81	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	302491	19.28	ug/l	99
89) n-Butylbenzene	13.62	91	446045	20.94	ug/l	99
90) Hexachloroethane	13.88	117	103679	17.91	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	309445	20.11	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27440	18.22	ug/l	95

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ClientSampleId :
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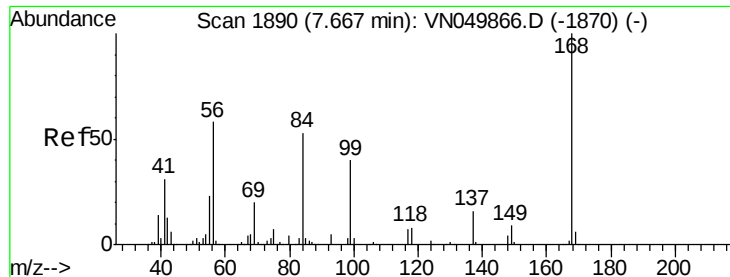
Manual Integrations
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MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	145221	19.40	ug/l	99
94) Hexachlorobutadiene	15.01	225	98342	19.50	ug/l	99
95) Naphthalene	15.14	128	305962	18.22	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	145769	19.74	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

Tot Ion:168 Resp: 593026

Ion Ratio Lower Upper

168 100

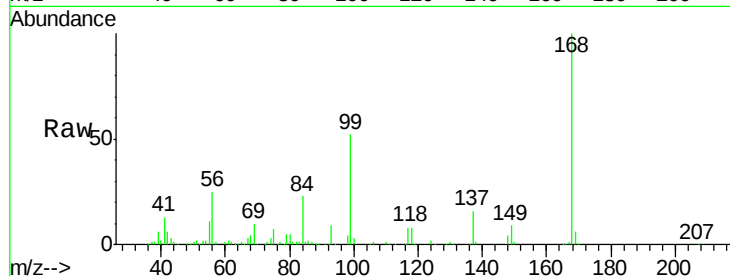
99 51.2 40.6 61.0

Manual Integrations

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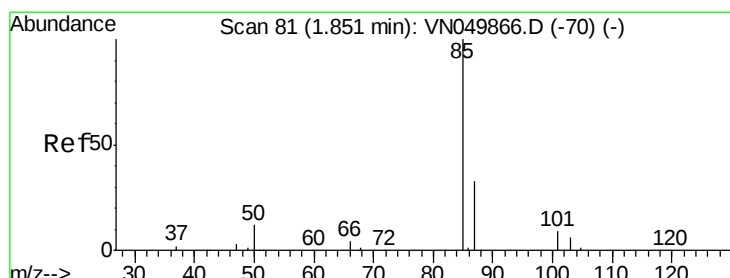
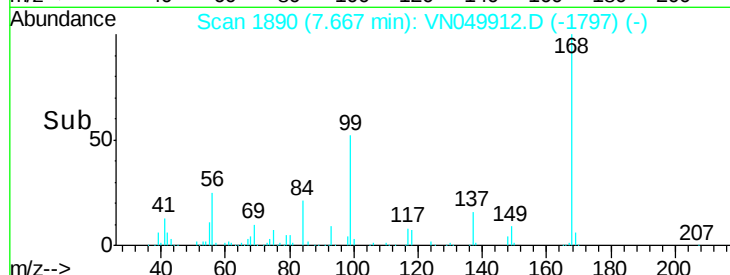
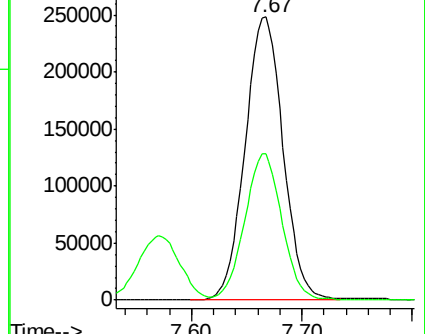
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.40 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049912.D

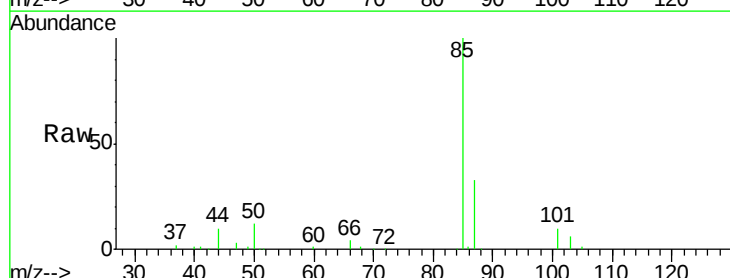
Acq: 19 Jul 2018 13:24

Tgt Ion: 85 Resp: 109655

Ion Ratio Lower Upper

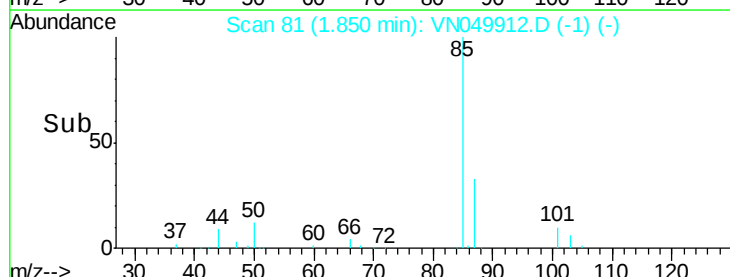
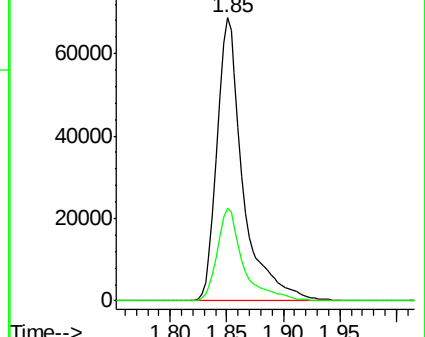
85 100

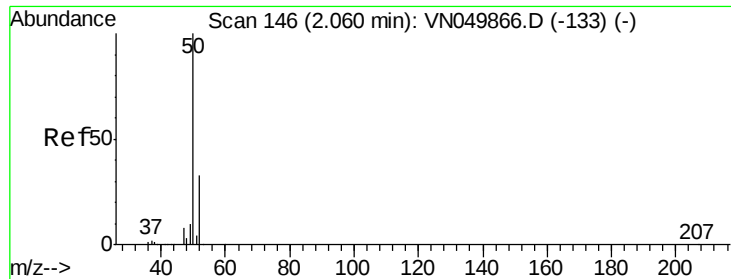
87 32.7 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.06 ug/l

RT: 2.06 min Scan# 146

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

Tot Ion: 50 Resp: 146223

Ion Ratio Lower Upper

50 100

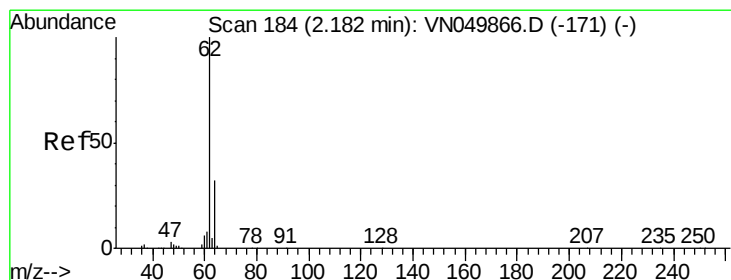
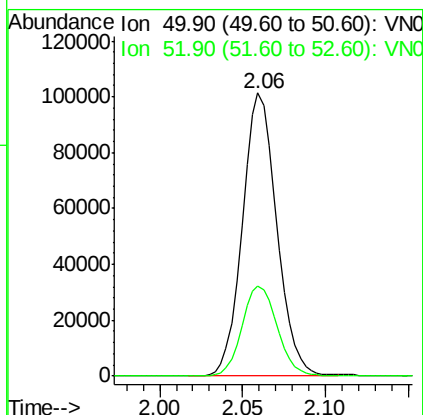
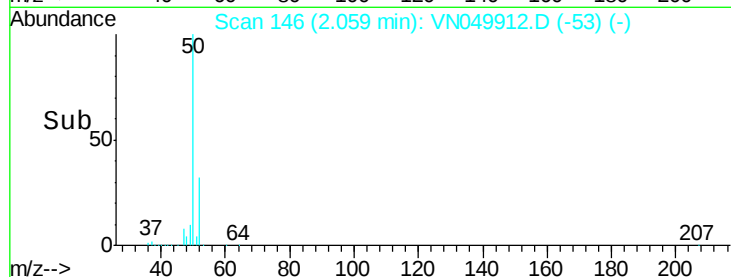
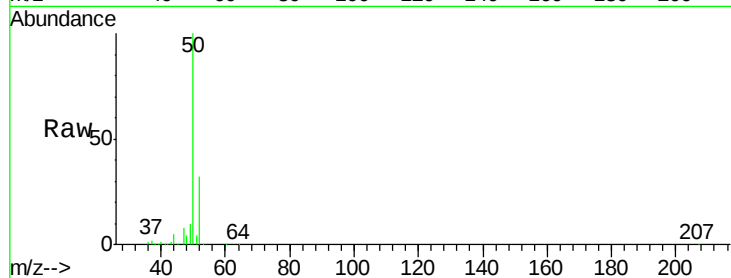
52 31.9 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.52 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049912.D

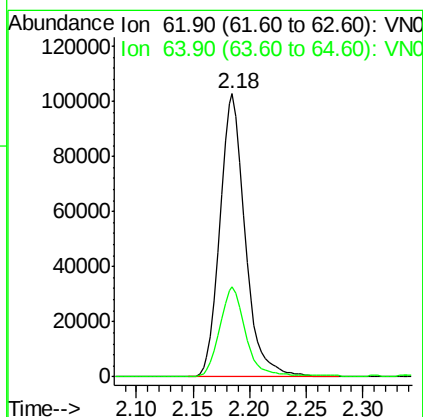
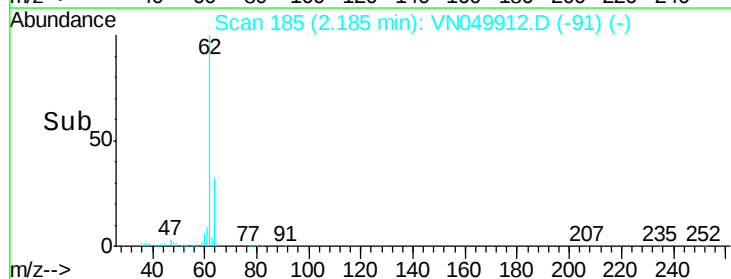
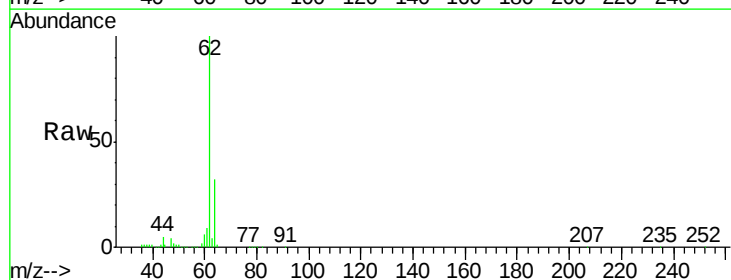
Acq: 19 Jul 2018 13:24

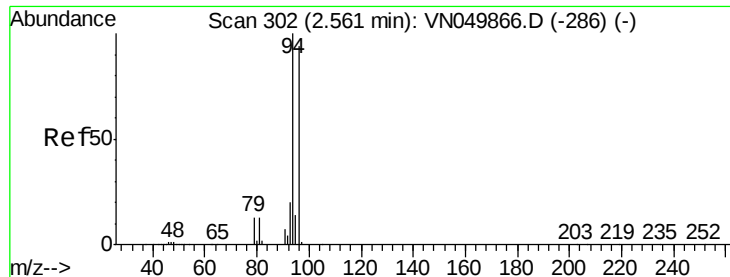
Tgt Ion: 62 Resp: 159911

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.0





#5

Bromomethane

Concen: 11.61 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

Tot Ion: 94 Resp: 63120

Ion Ratio Lower Upper

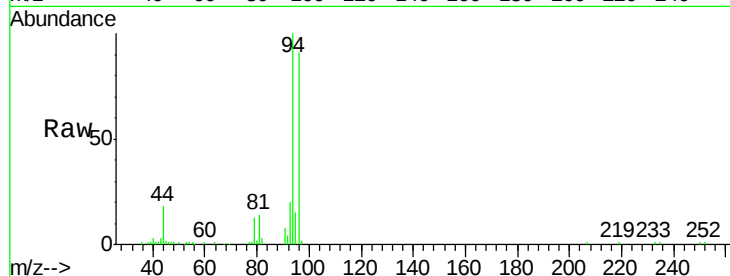
94 100

96 91.2 75.7 113.5

Manual Integrations
APPROVED

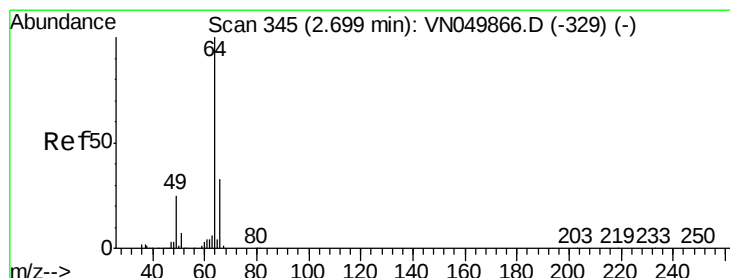
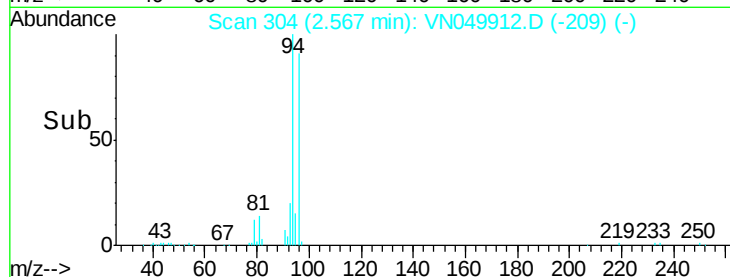
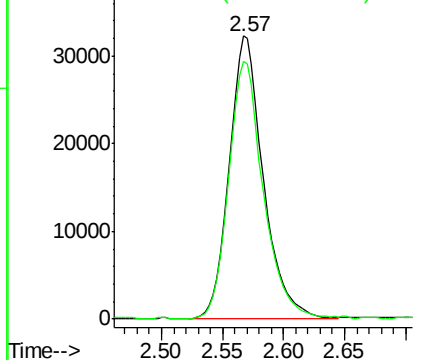
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.61 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049912.D

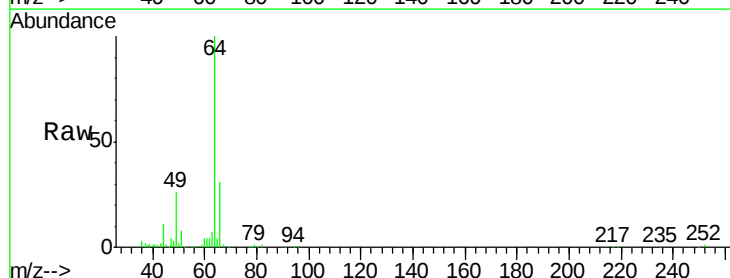
Acq: 19 Jul 2018 13:24

Tgt Ion: 64 Resp: 104916

Ion Ratio Lower Upper

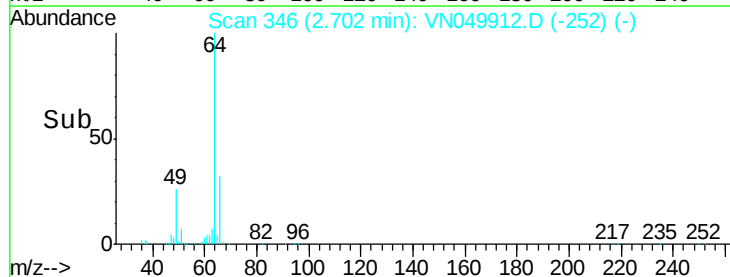
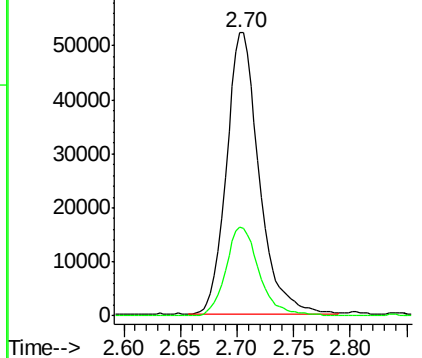
64 100

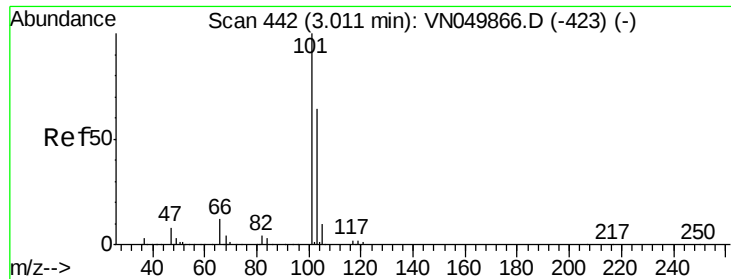
66 31.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

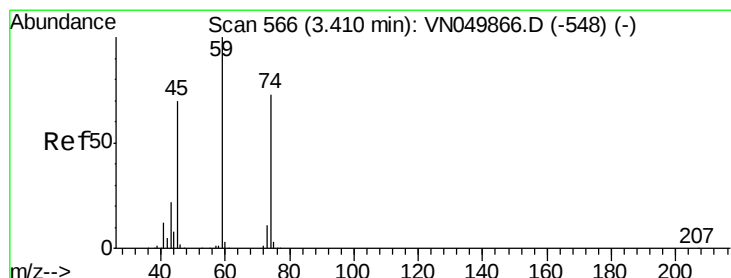
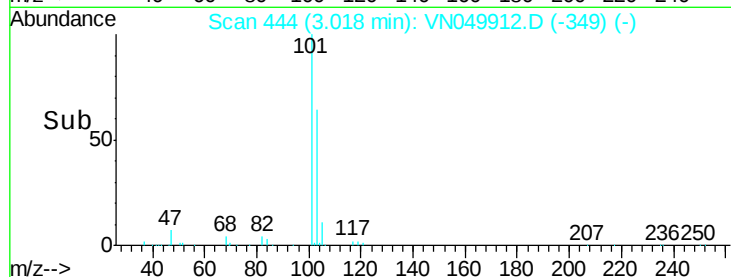
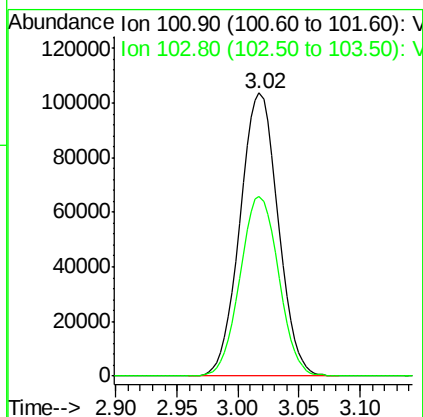
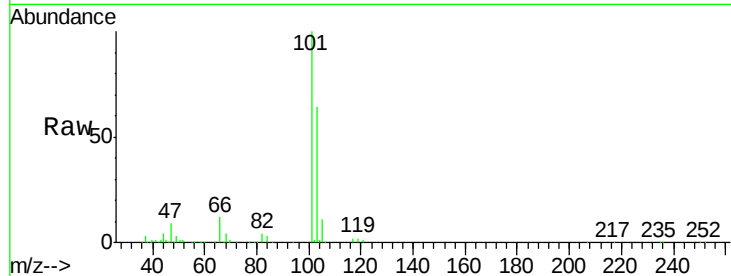
Trichlorofluoromethane
 Concen: 18.86 ug/l
 RT: 3.02 min Scan# 444
 Delta R.T. 0.01 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Instrument :
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 VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.8	79.2

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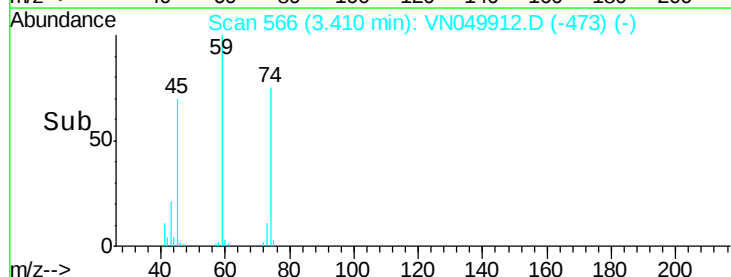
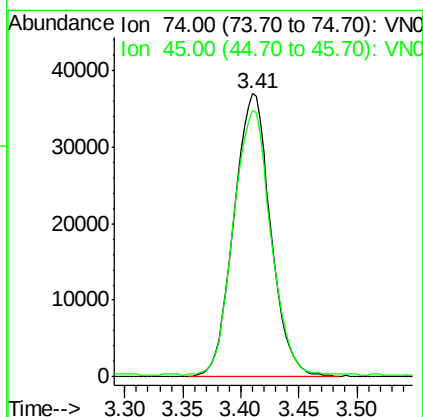
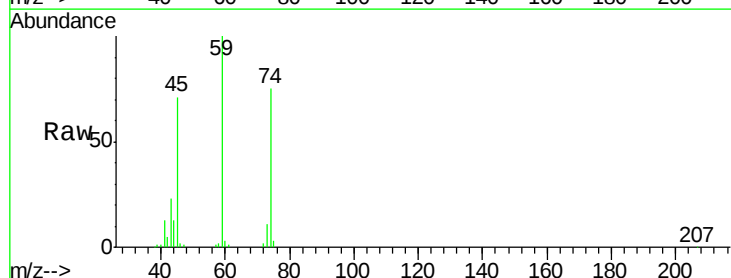
MMDadoda
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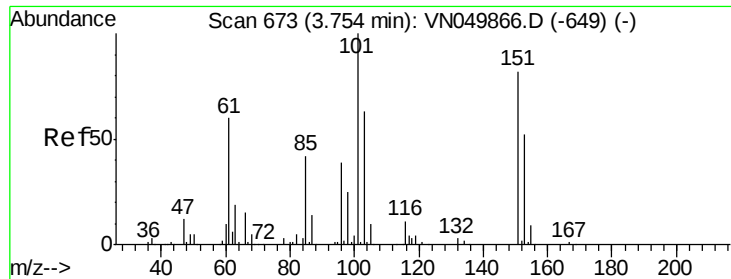


#8

Diethyl Ether
 Concen: 19.64 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.9	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.29 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Instrument :

MSVOA_N

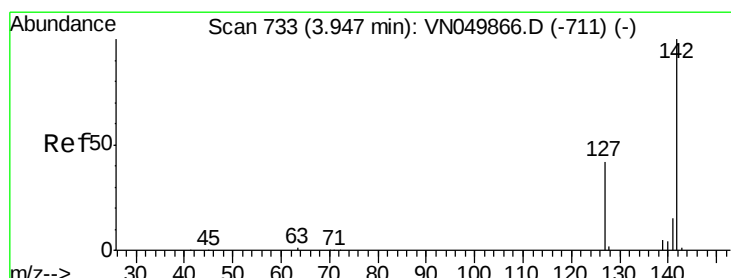
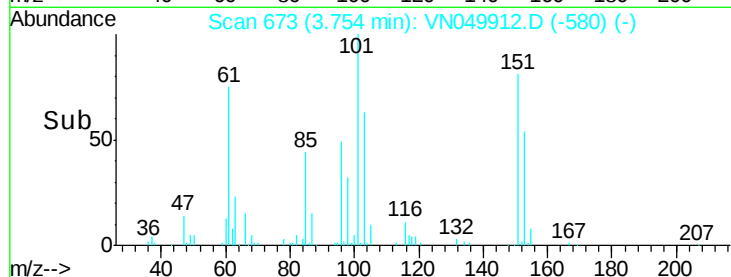
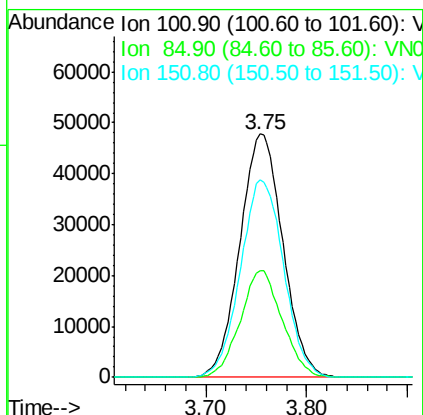
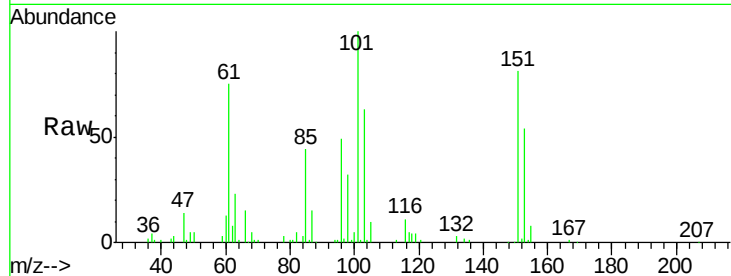
ClientSampleId :

VN0719WBSD01

Tot Ion:	101	Resp:	141129
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.4	51.6
151	81.7	66.2	99.4

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#10

Methyl Iodide

Concen: 6.86 ug/l

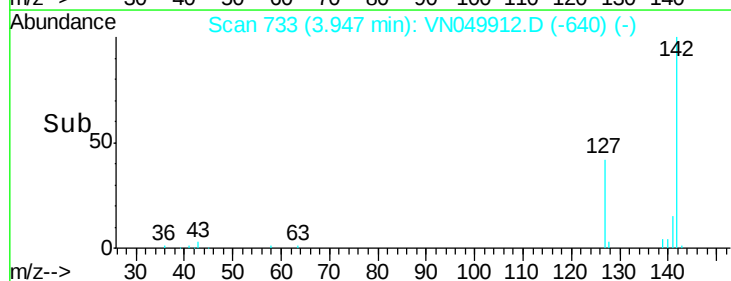
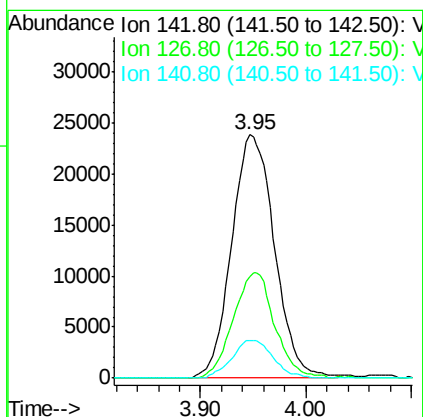
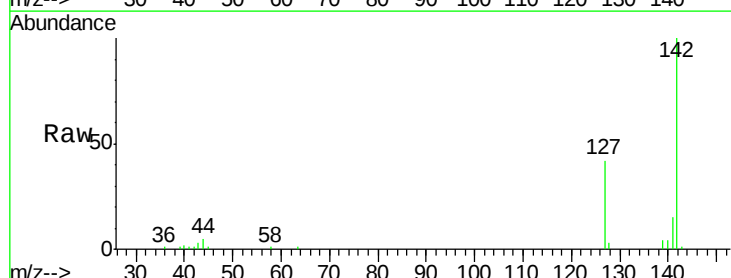
RT: 3.95 min Scan# 733

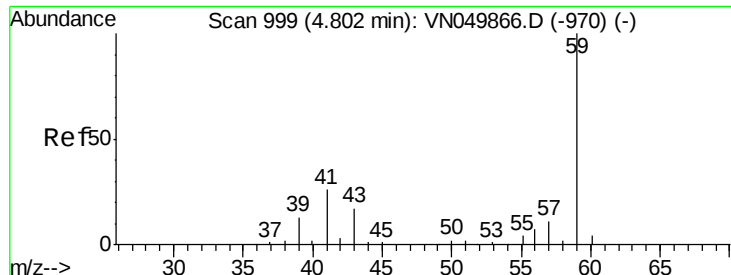
Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Tgt Ion:	142	Resp:	67319
Ion Ratio	Lower	Upper	
142	100		
127	41.8	32.5	48.7
141	14.9	11.1	16.7





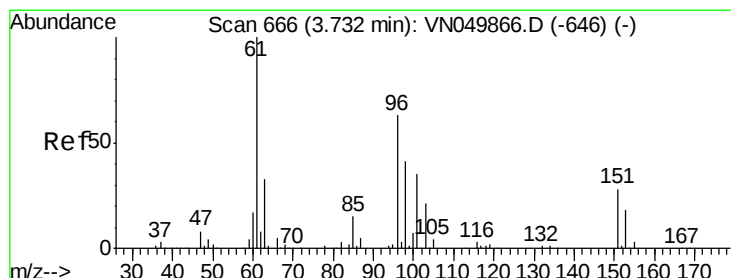
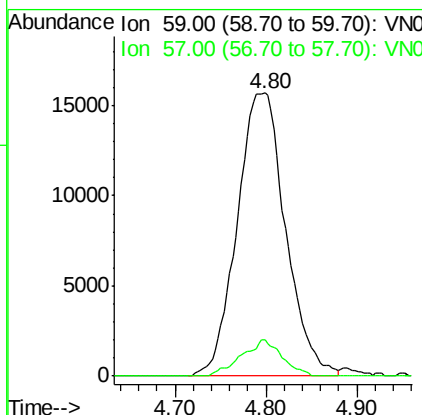
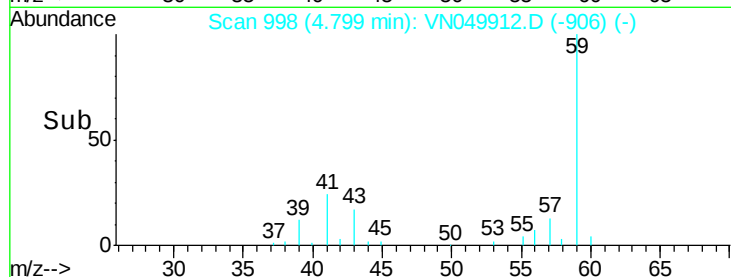
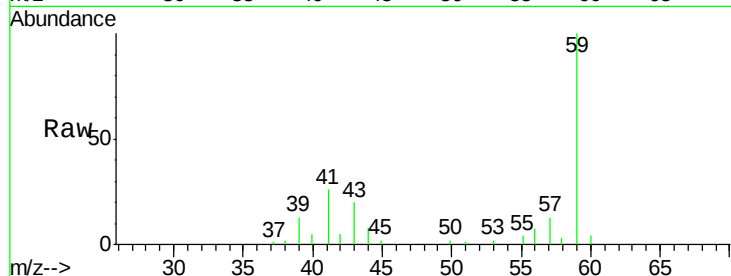
#11
Tert butyl alcohol
Concen: 99.90 ug/l
RT: 4.80 min Scan# 998
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.5	12.7

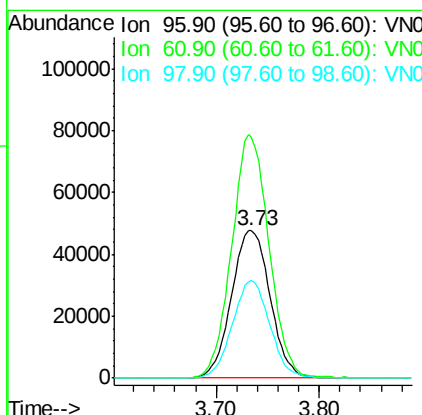
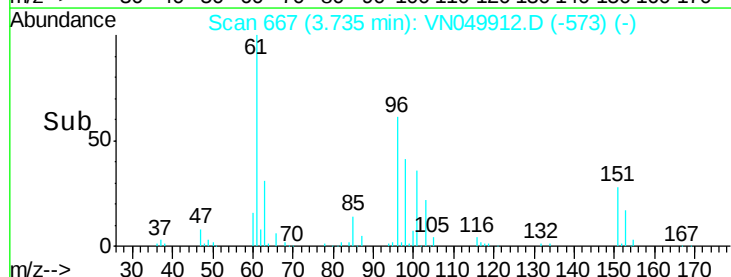
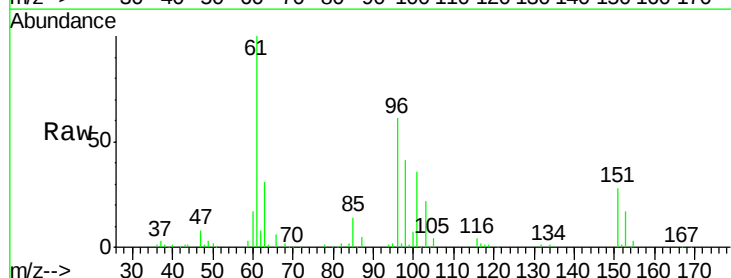
Manual Integrations
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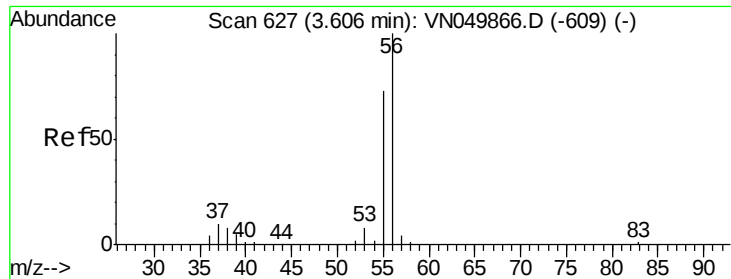
MMDadoda
7/20/2018 11:08:04 AM



#12
1,1-Dichloroethene
Concen: 19.34 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.0	126.5	189.7
98	66.3	51.0	76.6





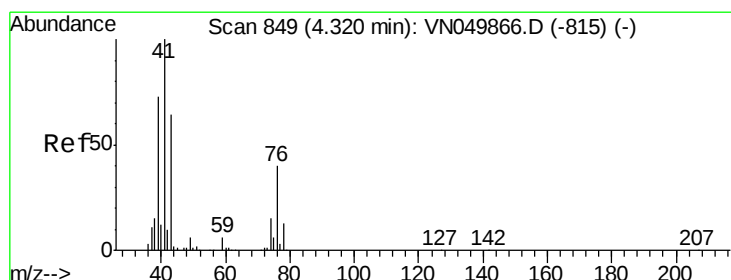
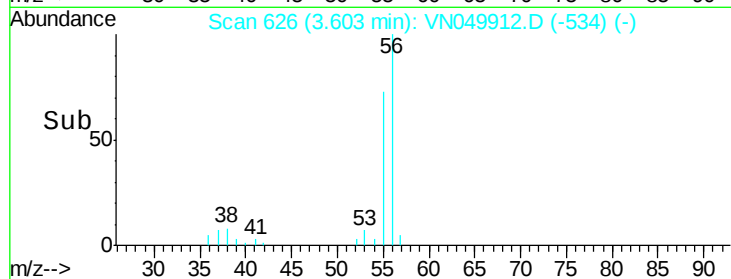
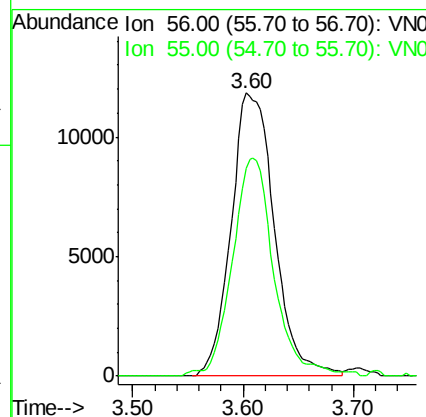
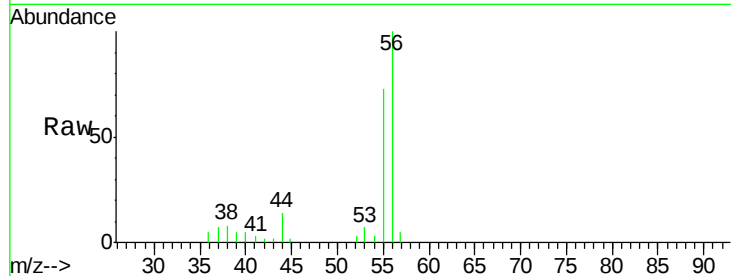
#13
Acrolein
Concen: 86.05 ug/l
RT: 3.60 min Scan# 626
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	56	Resp	32198
Ion Ratio	100	Lower	Upper
55	73.3	55.8	83.8

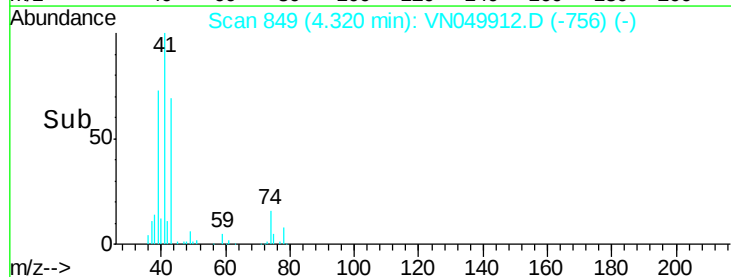
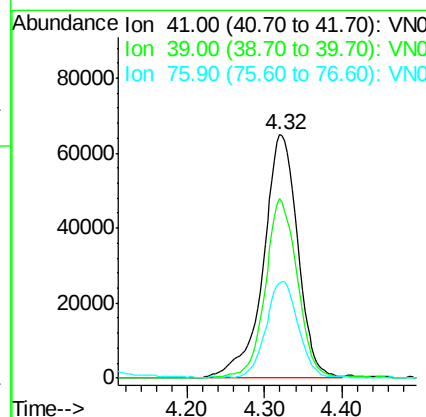
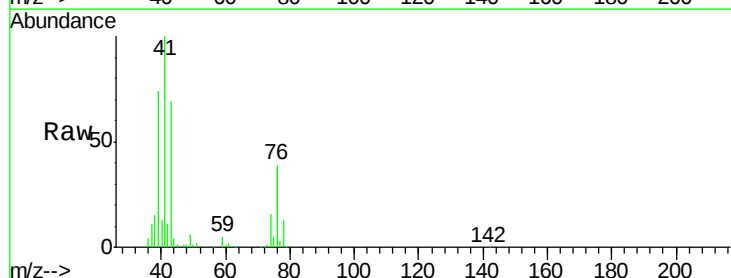
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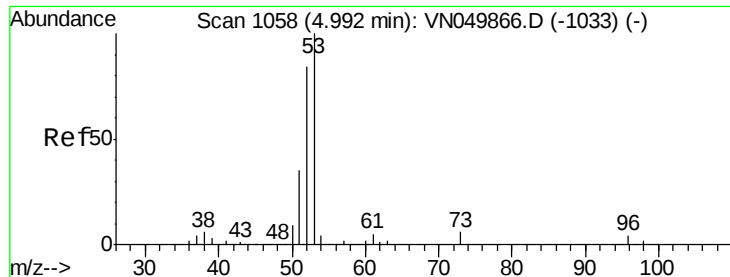
MMDadoda
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#14
Allyl chloride
Concen: 19.79 ug/l
RT: 4.32 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Tgt Ion	41	Resp	200550
Ion Ratio	100	Lower	Upper
39	68.8	53.2	79.8
76	36.1	29.0	43.6





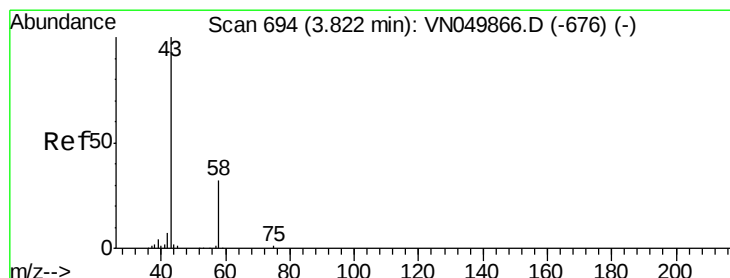
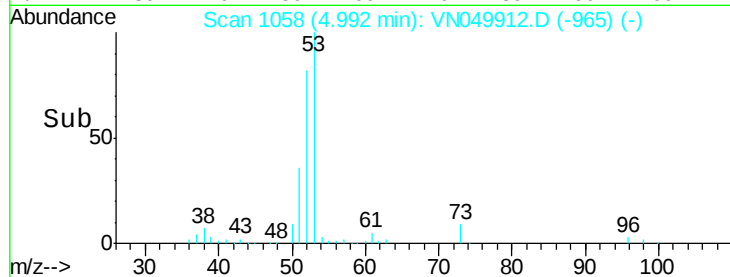
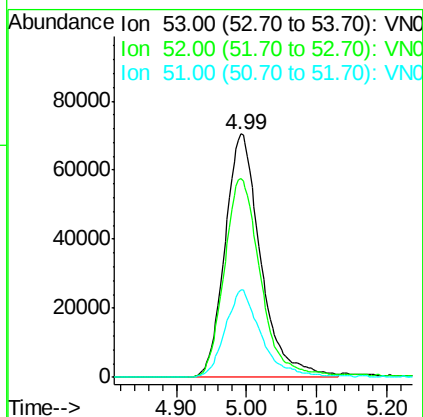
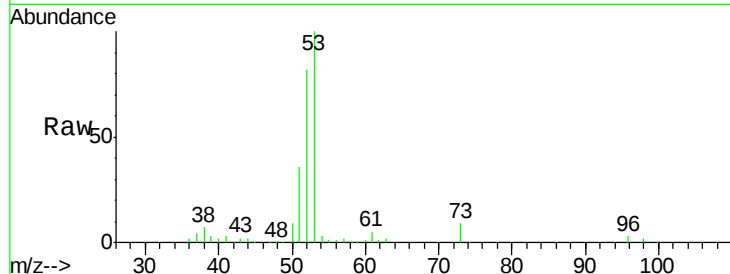
#15
 Acrylonitrile
 Concen: 97.68 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	81.8	64.8	97.2	
51	36.5	28.9	43.3	

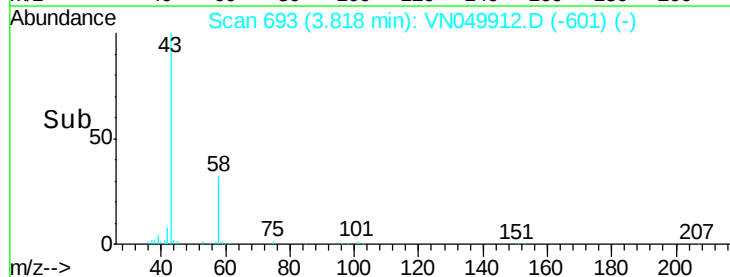
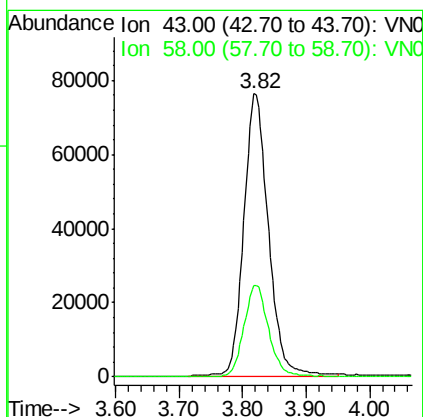
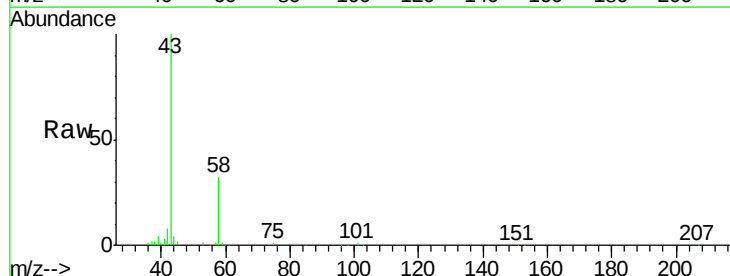
Manual Integrations
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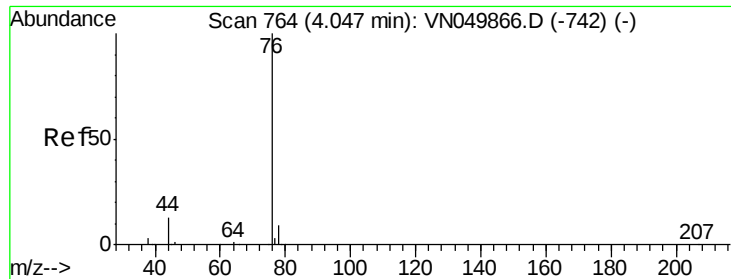
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#16
 Acetone
 Concen: 96.90 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	32.2	25.9	38.9	





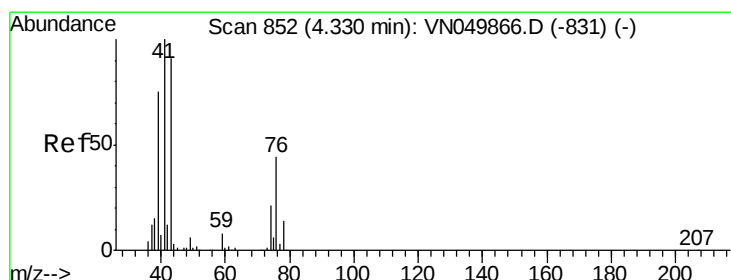
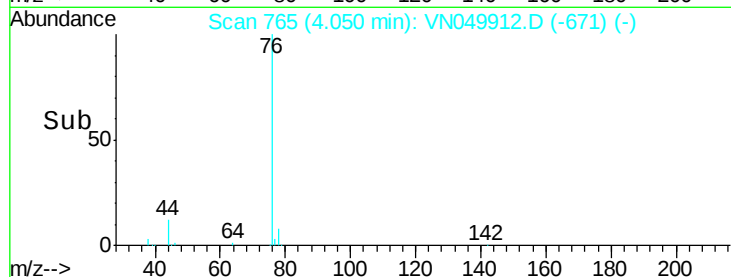
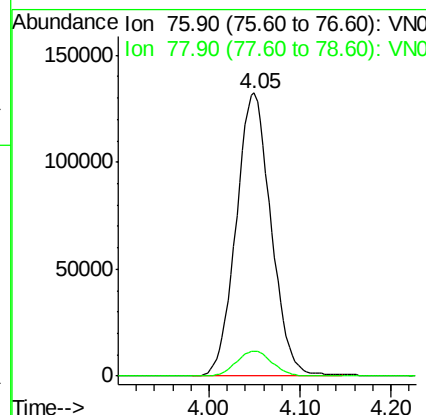
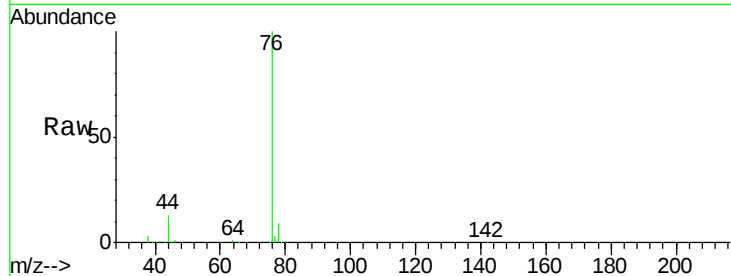
#17
Carbon Disulfide
Concen: 18.37 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

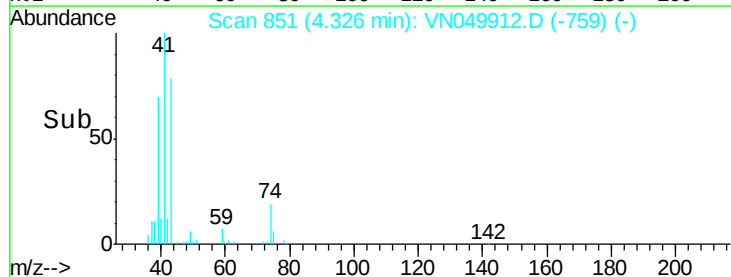
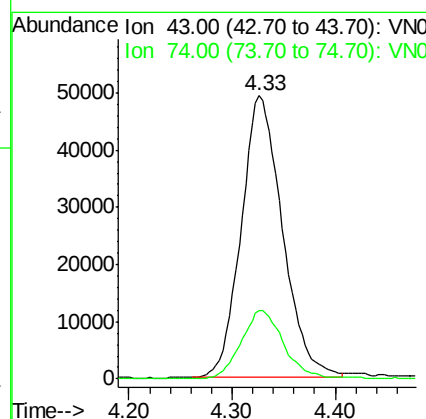
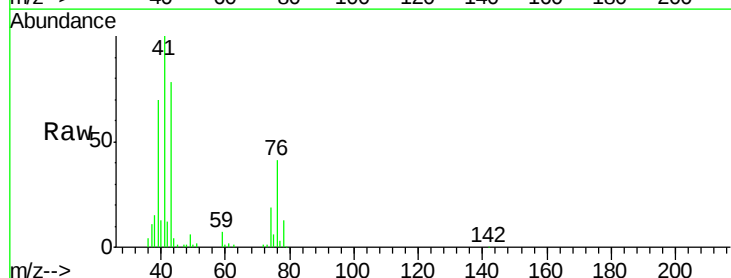
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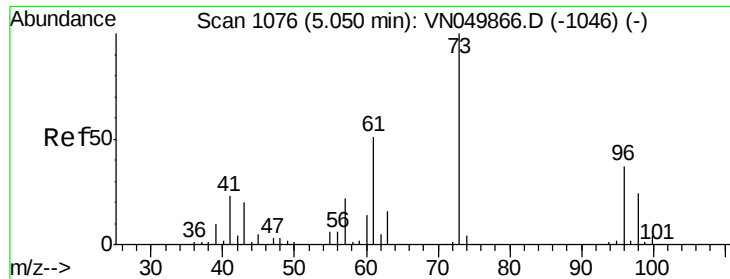
MMDadoda
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#18
Methyl Acetate
Concen: 20.23 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.8	29.8





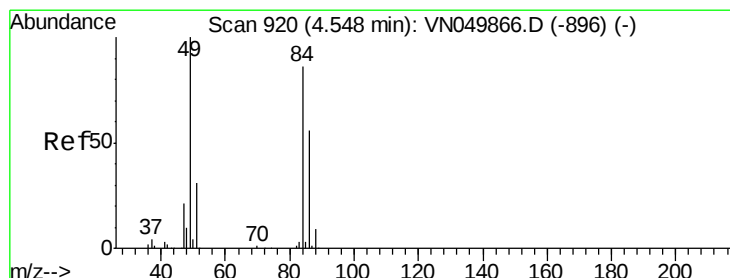
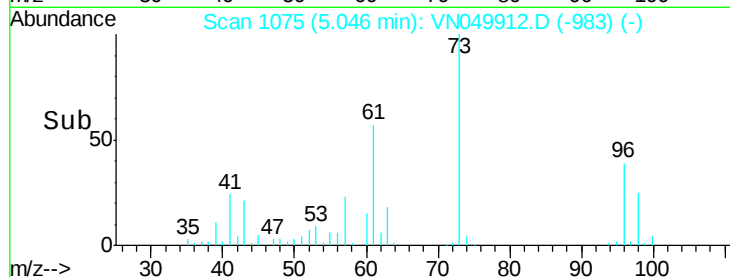
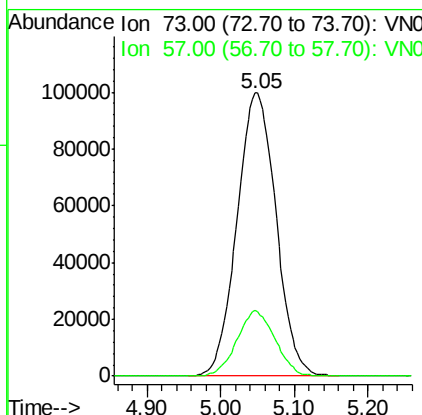
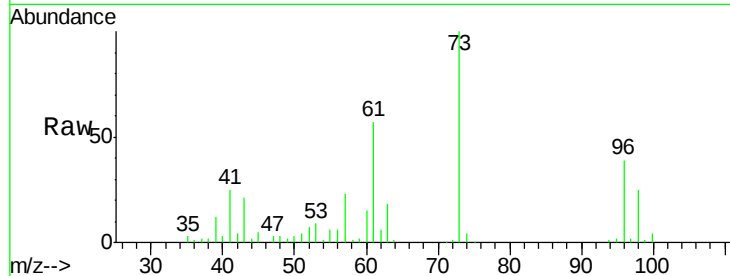
#19
Methyl tert-butyl Ether
Concen: 20.80 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion: 73 Resp: 368007
Ion Ratio Lower Upper
73 100
57 23.5 18.1 27.1

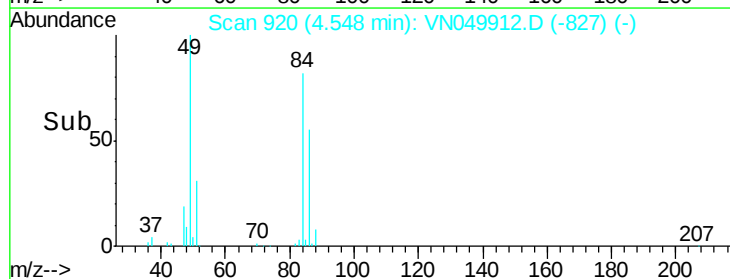
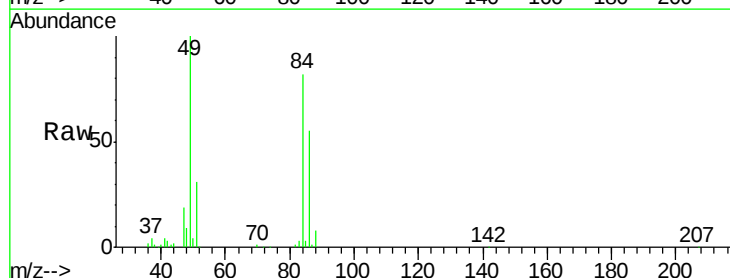
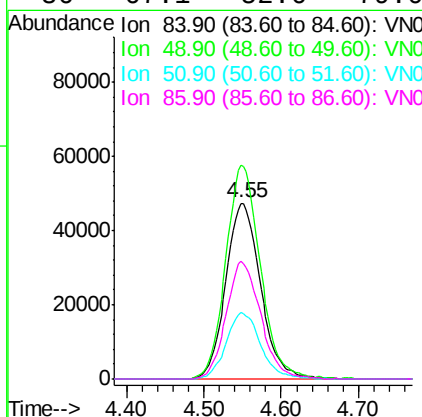
Manual Integrations
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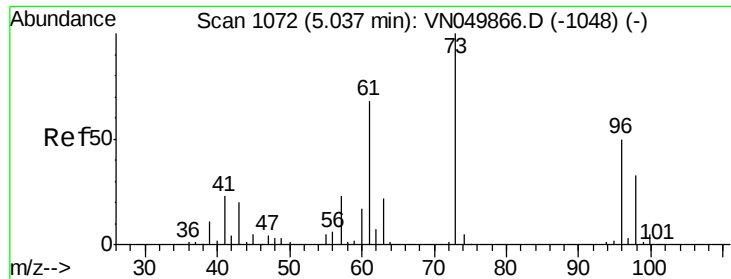
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#20
Methylene Chloride
Concen: 18.47 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Tgt Ion: 84 Resp: 148244
Ion Ratio Lower Upper
84 100
49 121.8 95.4 143.2
51 38.1 28.4 42.6
86 67.1 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.52 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Instrument :

MSVOA_N

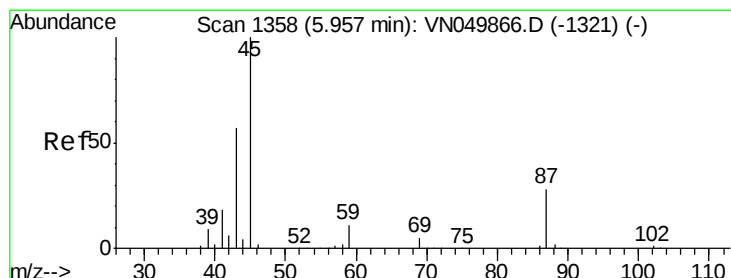
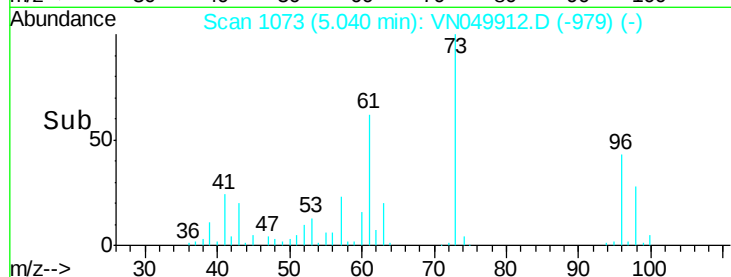
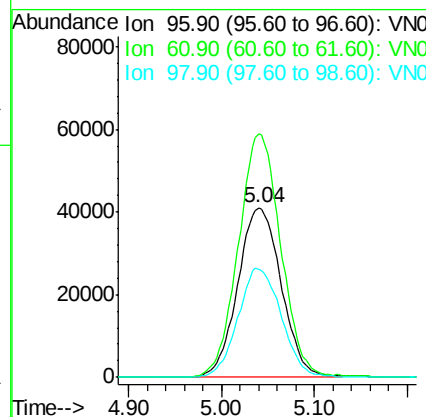
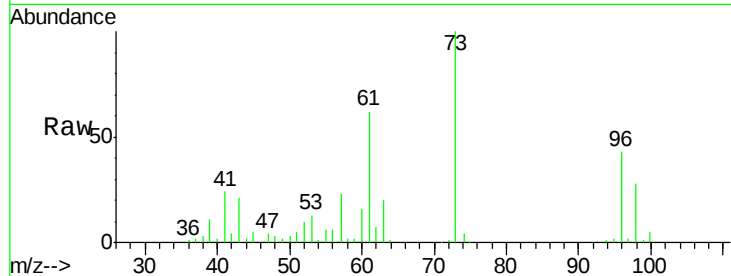
ClientSampled :

VN0719WBSD01

Tot Ion:	96	Resp:	133261
Ion	Ratio	Lower	Upper
96	100		
61	143.1	109.0	163.6
98	63.6	51.1	76.7

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#22

Diisopropyl ether

Concen: 21.33 ug/l

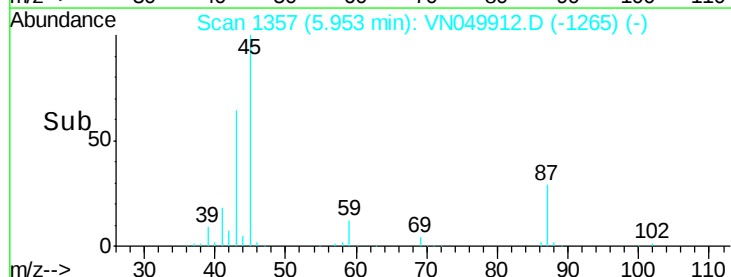
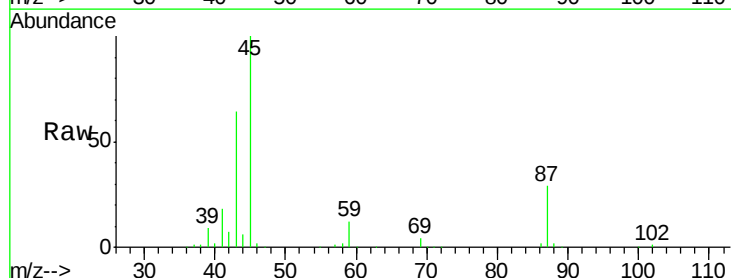
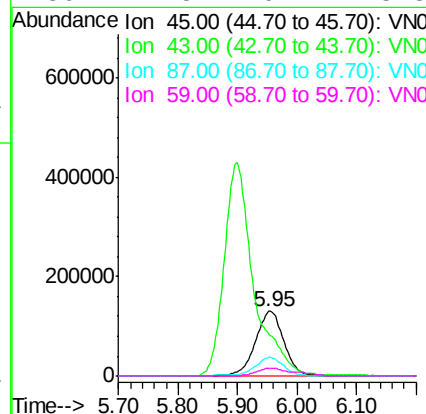
RT: 5.95 min Scan# 1357

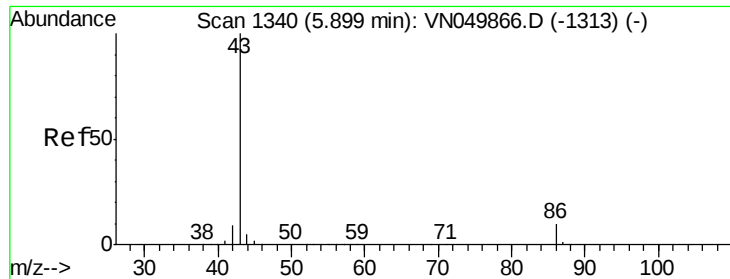
Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Tgt Ion:	45	Resp:	441214
Ion	Ratio	Lower	Upper
45	100		
43	63.8	48.1	72.1
87	28.6	22.6	34.0
59	11.8	9.2	13.8





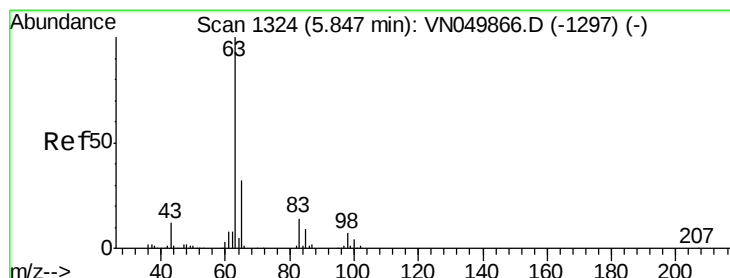
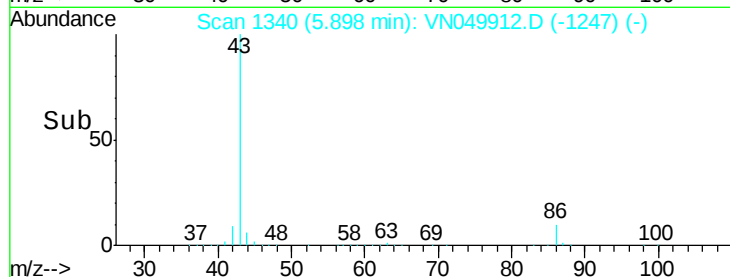
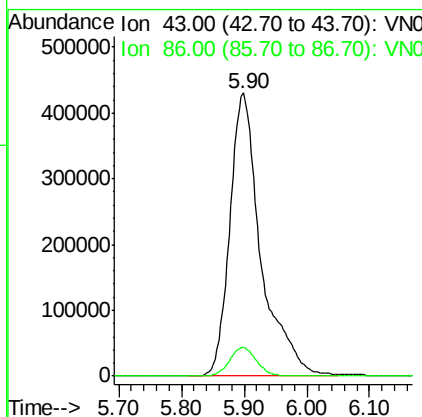
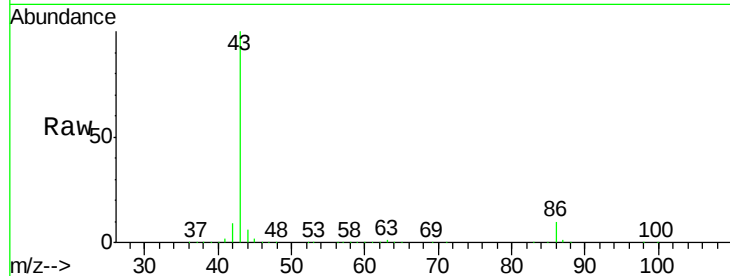
#23
 Vinyl Acetate
 Concen: 102.18 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0719WBSD01

Tot Ion: 43 Resp: 1482724
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.4 12.6

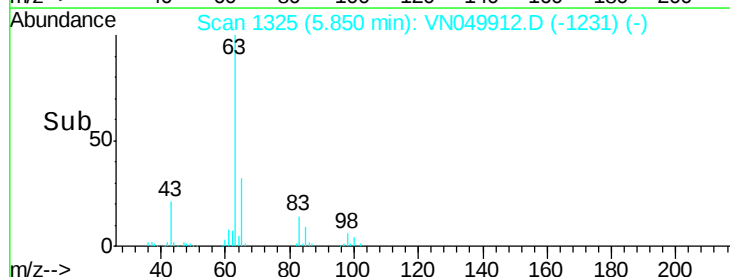
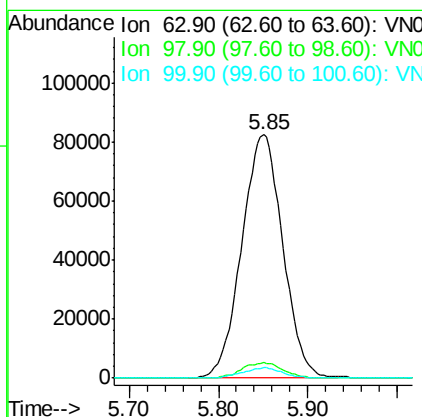
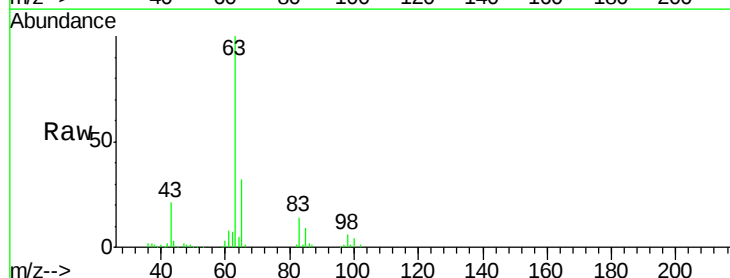
Manual Integrations
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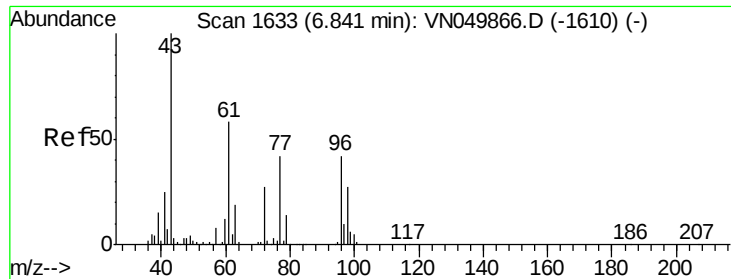
MMDadoda
 7/20/2018 11:08:04 AM



#24
 1,1-Dichloroethane
 Concen: 19.86 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Tgt Ion: 63 Resp: 263704
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.4 10.2
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 98.18 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Instrument :

MSVOA_N

ClientSampled :

VN0719WBSD01

Tot Ion: 43 Resp: 296122

Ion Ratio Lower Upper

43 100

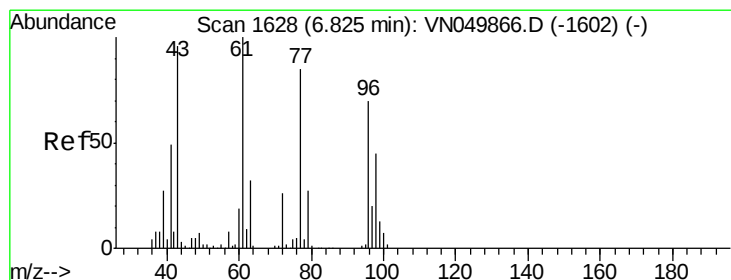
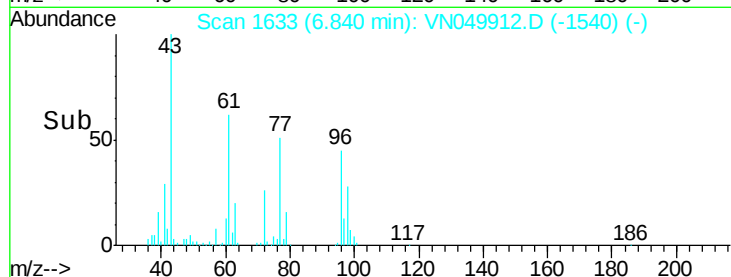
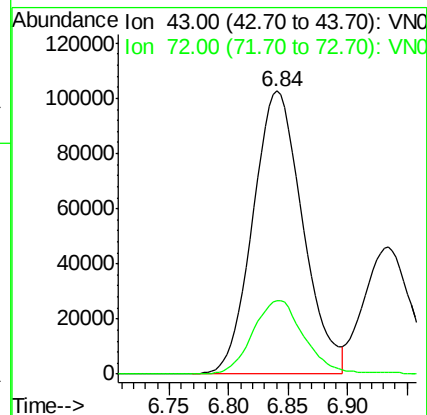
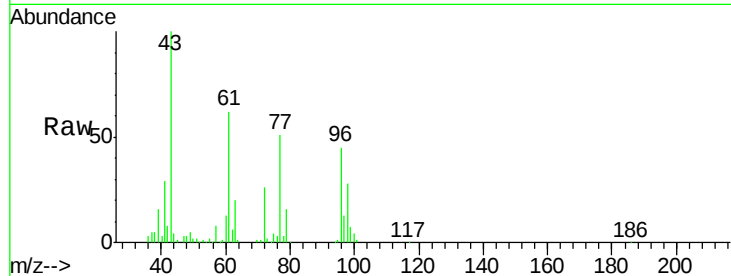
72 26.1 22.1 33.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.70 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049912.D

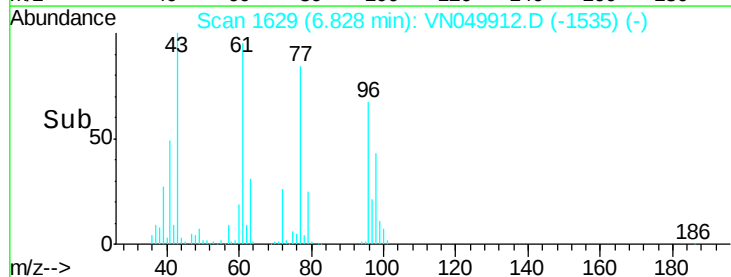
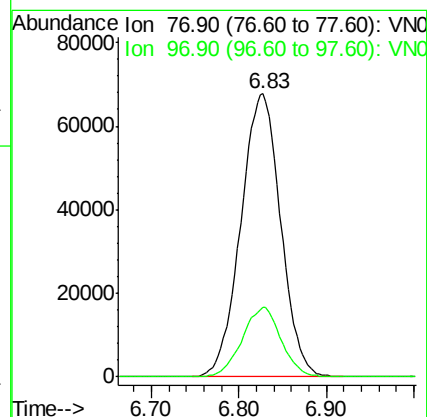
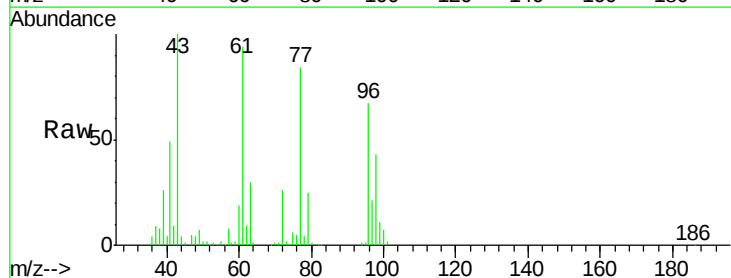
Acq: 19 Jul 2018 13:24

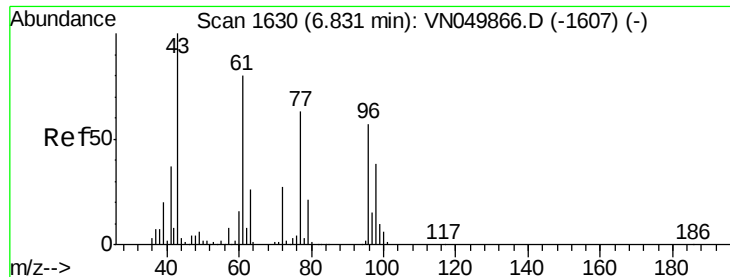
Tgt Ion: 77 Resp: 213867

Ion Ratio Lower Upper

77 100

97 23.9 11.9 35.5





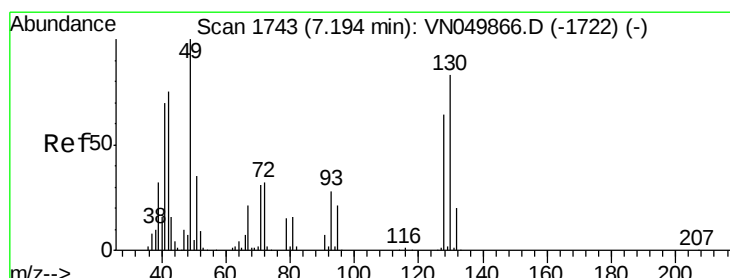
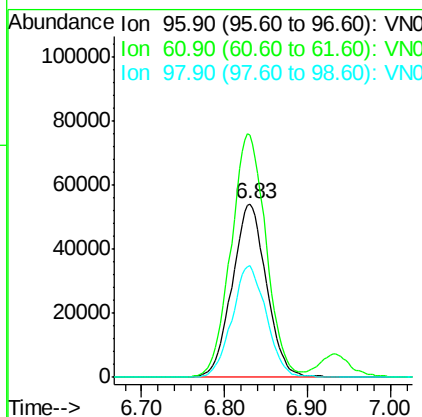
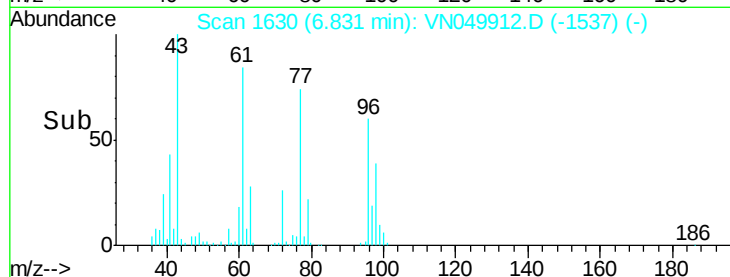
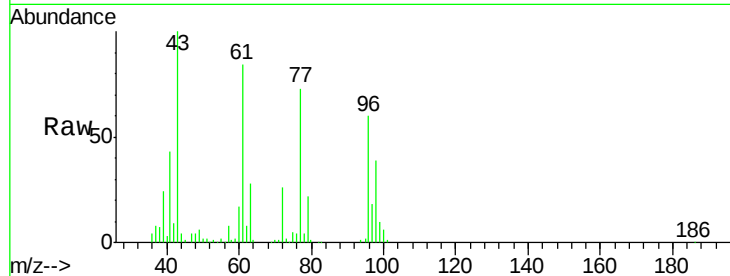
#27
 cis-1,2-Dichloroethene
 Concen: 20.81 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	289.0
98	64.2	0.0	130.2

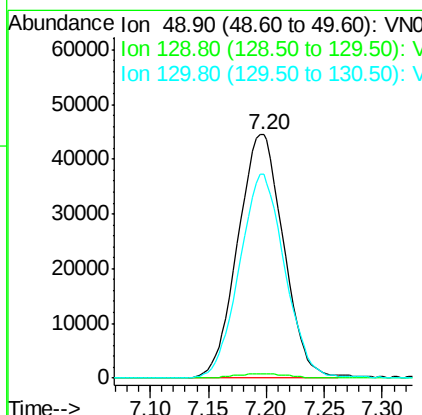
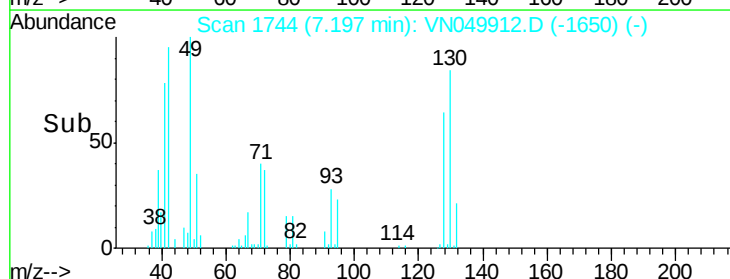
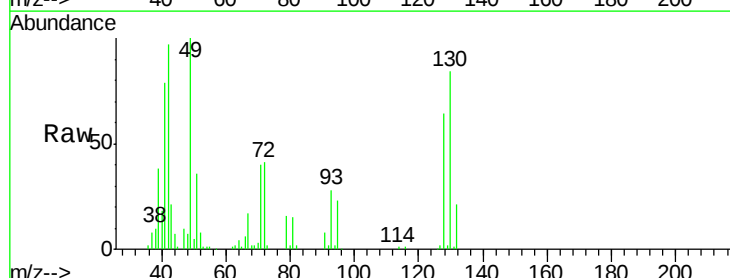
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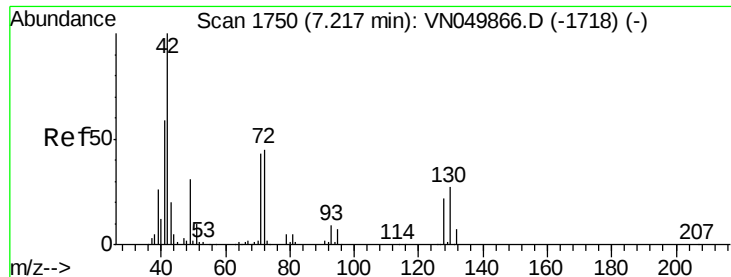
MMDadoda
 7/20/2018 11:08:04 AM



#28
 Bromochloromethane
 Concen: 20.31 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.4	65.5	98.3





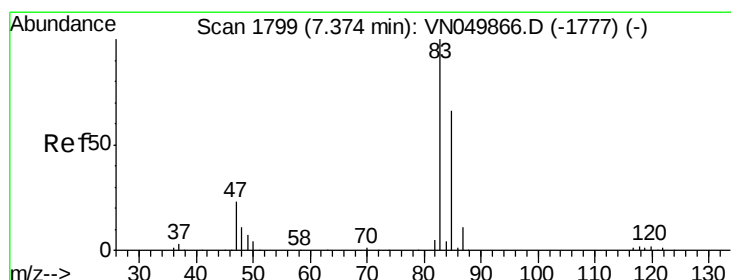
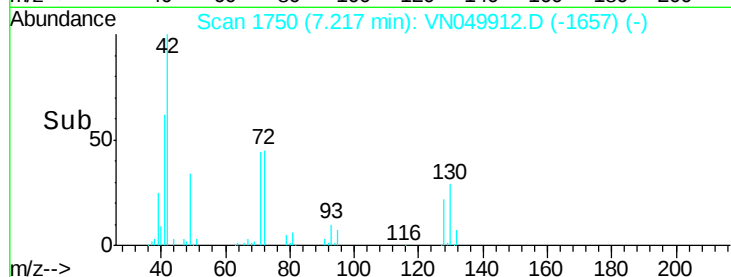
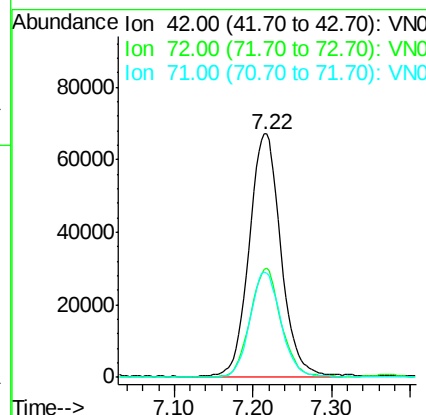
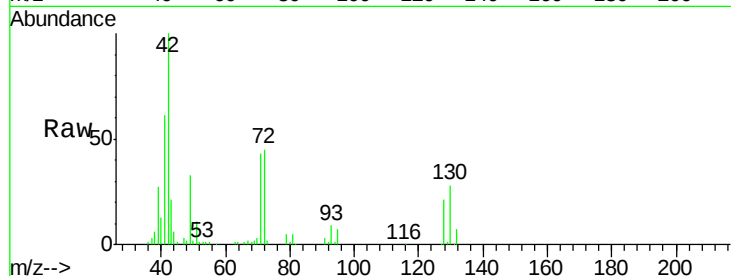
#29
Tetrahydrofuran
Concen: 100.97 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Instrument :
MSVOA_N
ClientSampled :
VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.6	53.4
71	42.2	34.0	51.0

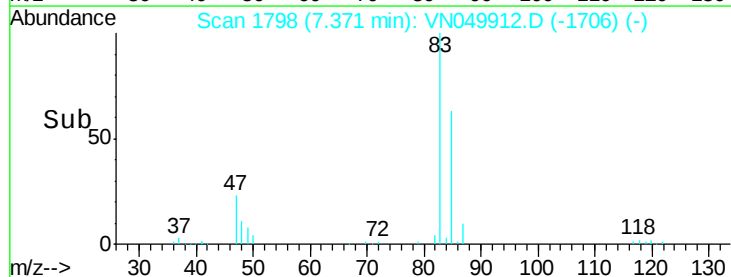
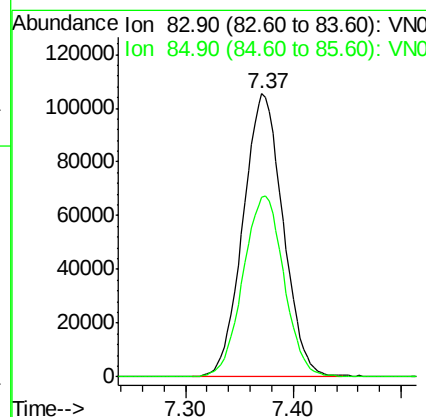
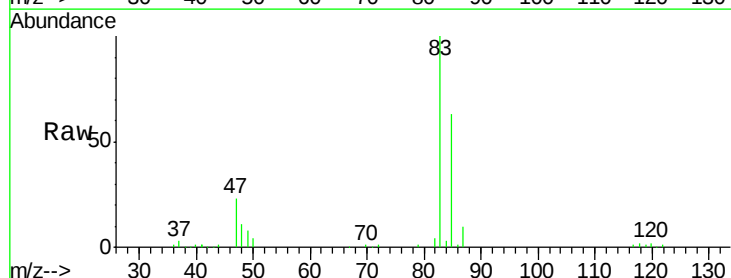
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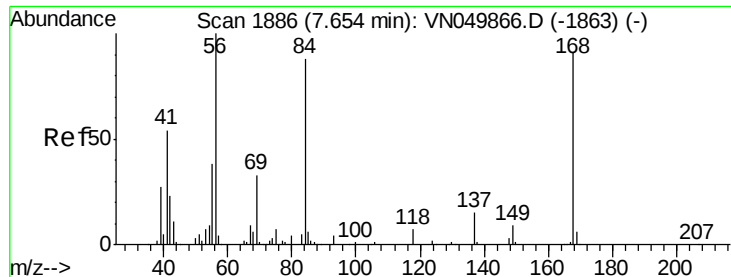
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#30
Chloroform
Concen: 19.92 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.2





#31

Cyclohexane

Concen: 20.38 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Instrument :

MSVOA_N

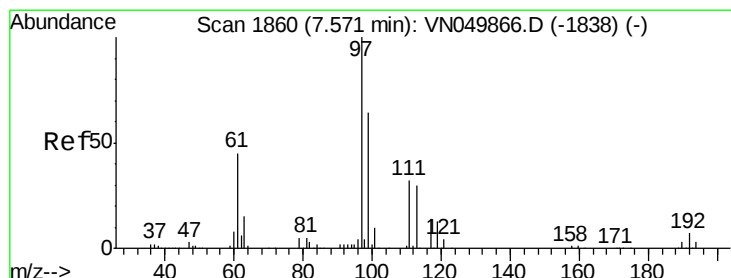
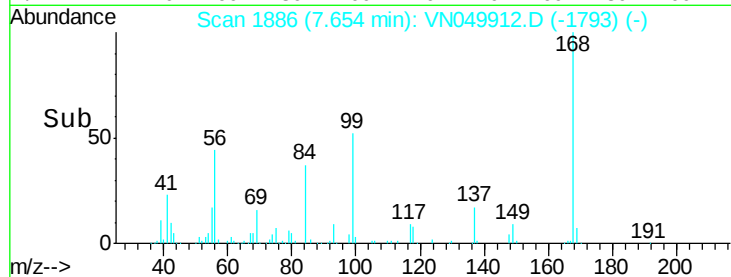
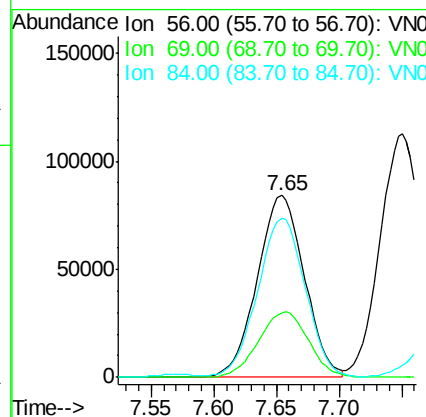
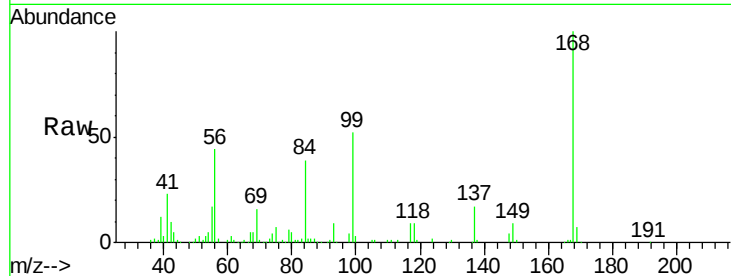
ClientSampled :

VN0719WBSD01

Tot Ion	56	Resp	220304
Ion Ratio	Lower	Upper	
56	100		
69	35.6	26.6	40.0
84	86.4	69.0	103.6

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#32

1,1,1-Trichloroethane

Concen: 19.68 ug/l

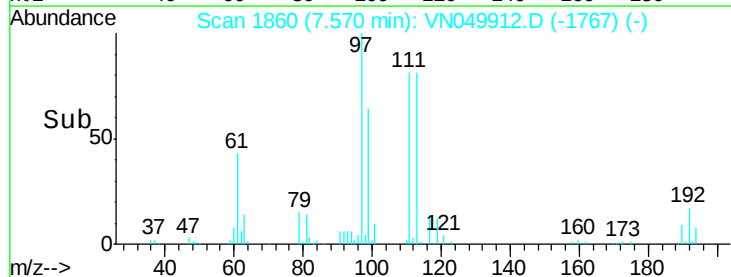
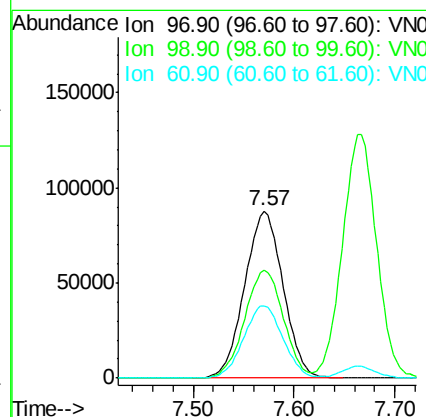
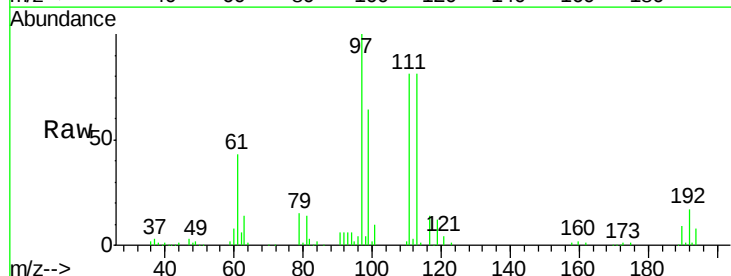
RT: 7.57 min Scan# 1860

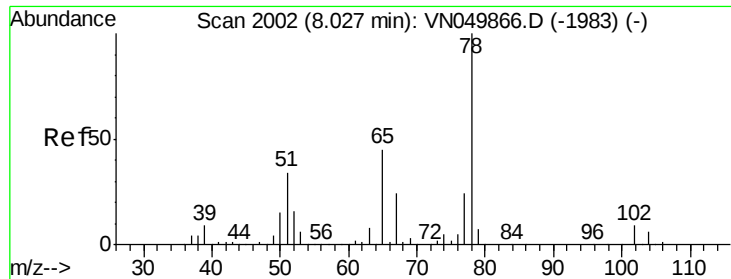
Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Tgt Ion	97	Resp	231897
Ion Ratio	Lower	Upper	
97	100		
99	65.4	51.0	76.4
61	44.2	35.5	53.3





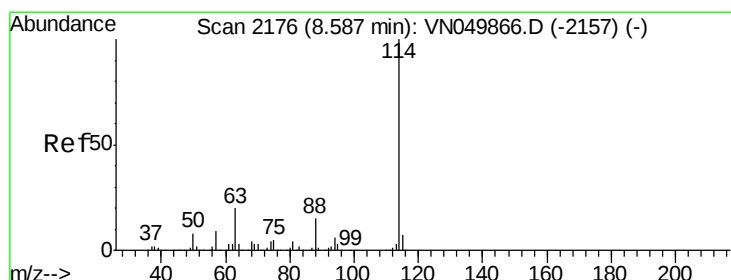
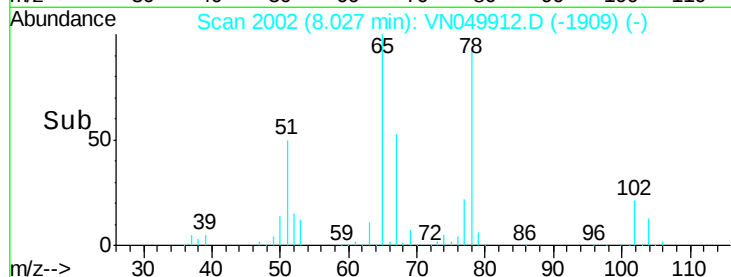
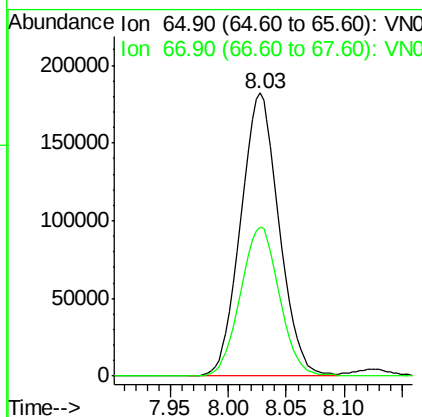
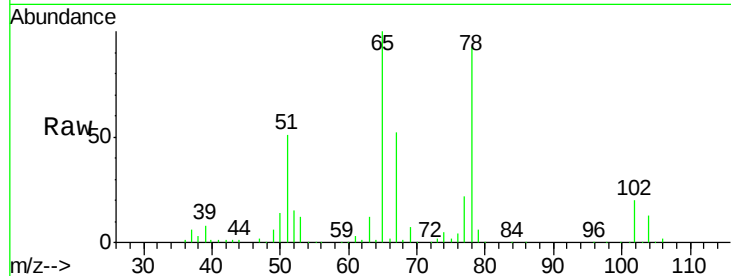
#33
 1,2-Dichloroethane-d4
 Concen: 51.42 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Tot Ion: 65 Resp: 419149
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.2

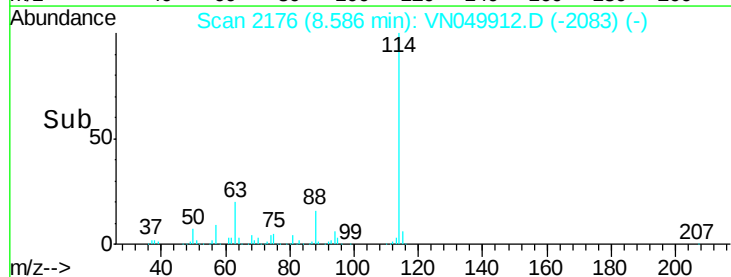
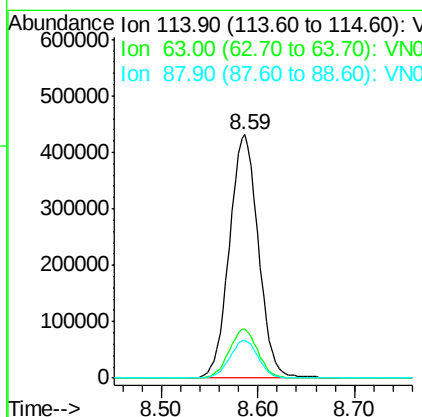
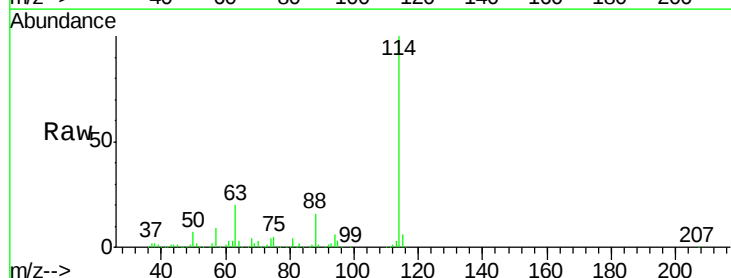
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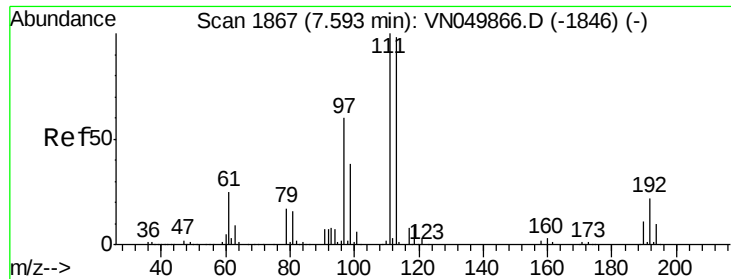
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Tgt Ion: 114 Resp: 897196
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.5 0.0 30.6





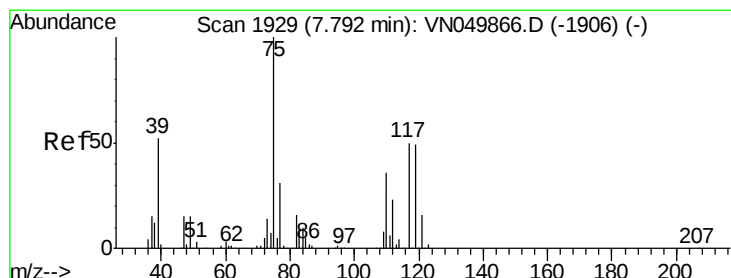
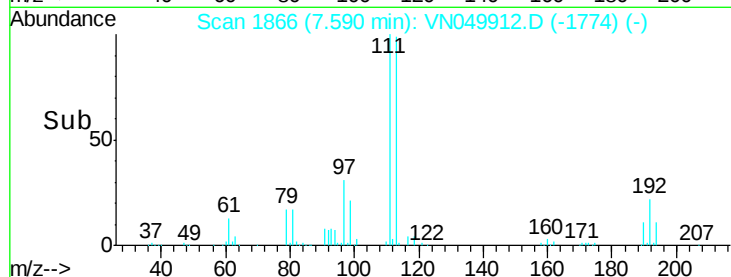
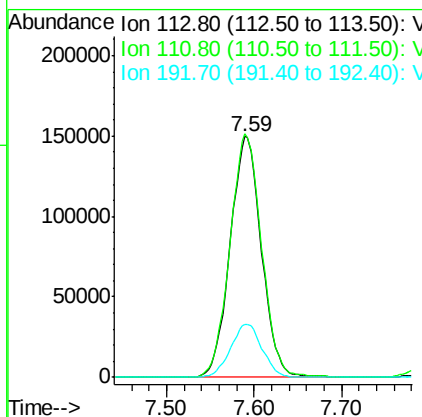
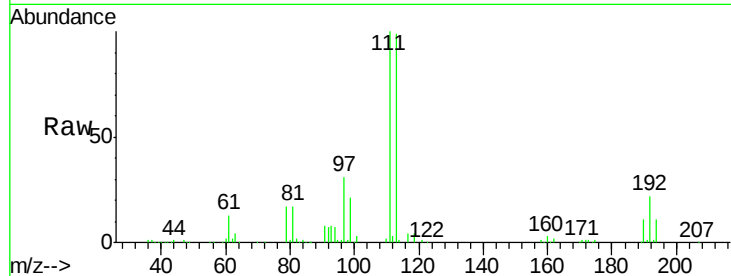
#35
 Dibromofluoromethane
 Concen: 49.27 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	371084		
111	101.9	81.8	122.8	
192	22.3	17.8	26.6	

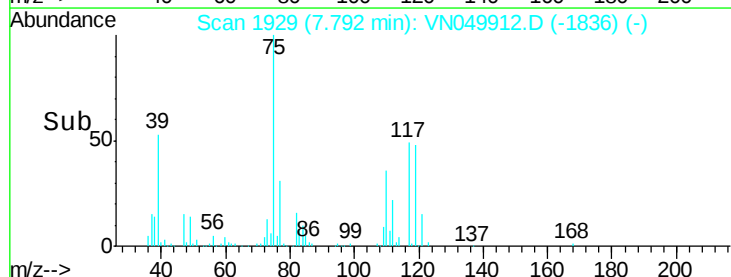
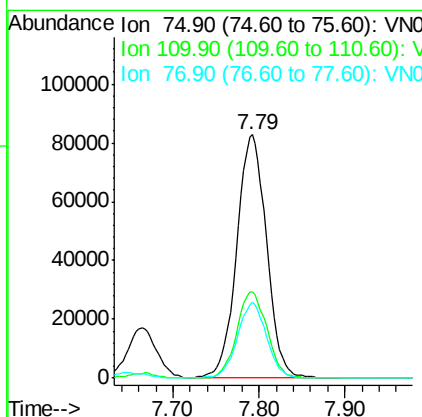
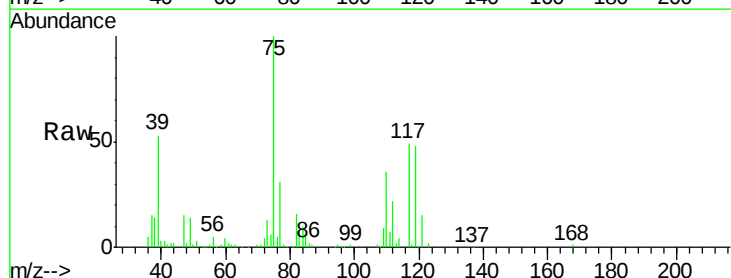
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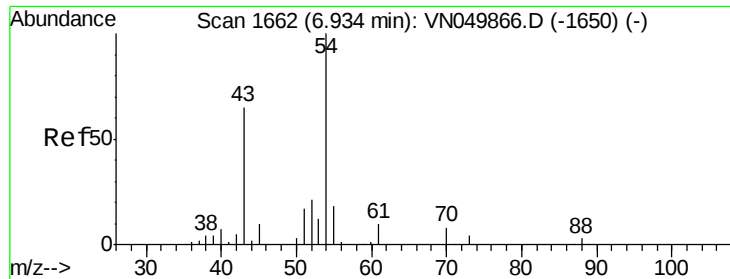
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#36
 1,1-Dichloropropene
 Concen: 20.01 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	199606		
110	35.8	18.1	54.4	
77	30.5	24.9	37.3	





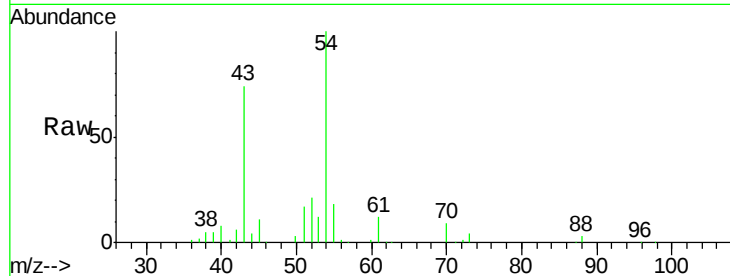
#37
Ethyl Acetate
Concen: 18.82 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

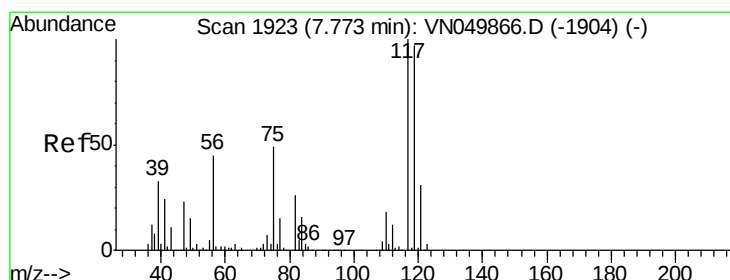
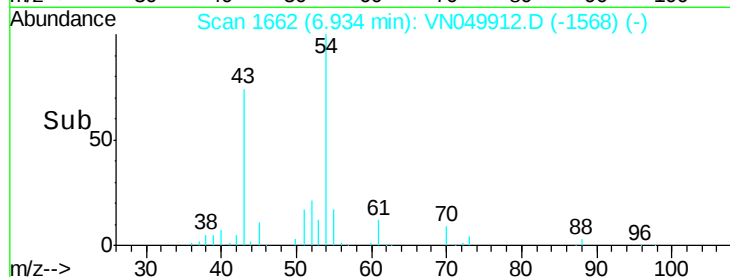
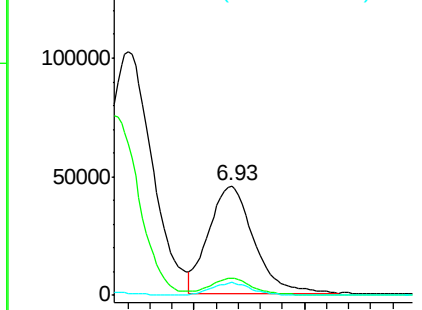
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.7	17.5
70	10.5	8.4	12.6

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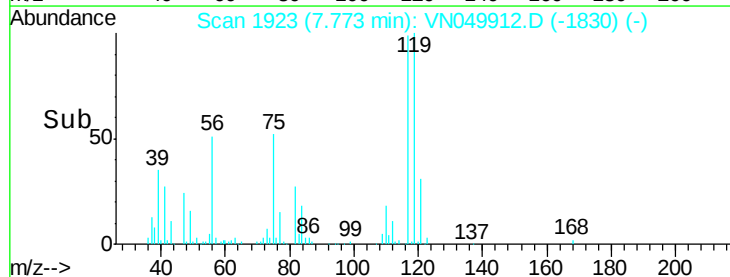
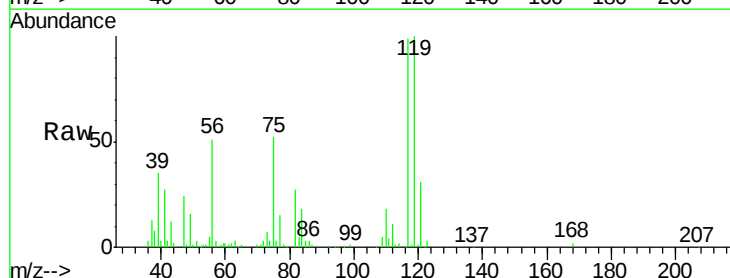
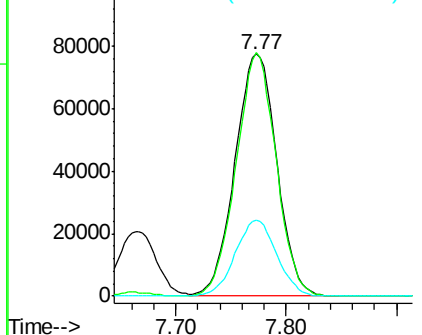
Abundance Ion 43.00 (42.70 to 43.70): VN049912.D (-1568) (-)
Ion 60.90 (60.60 to 61.60): VN049912.D (-1568) (-)
Ion 70.00 (69.70 to 70.70): VN049912.D (-1568) (-)

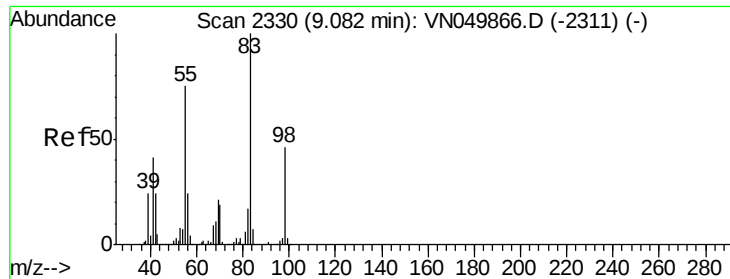


#38
Carbon Tetrachloride
Concen: 18.97 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.6	77.2	115.8
121	31.4	25.0	37.6

Abundance Ion 116.80 (116.50 to 117.50): VN049912.D (-1830) (-)
Ion 118.80 (118.50 to 119.50): VN049912.D (-1830) (-)
Ion 120.80 (120.50 to 121.50): VN049912.D (-1830) (-)





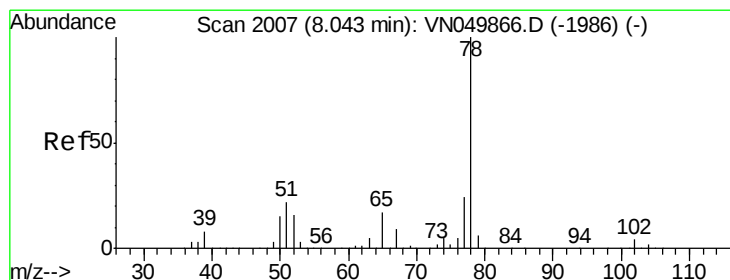
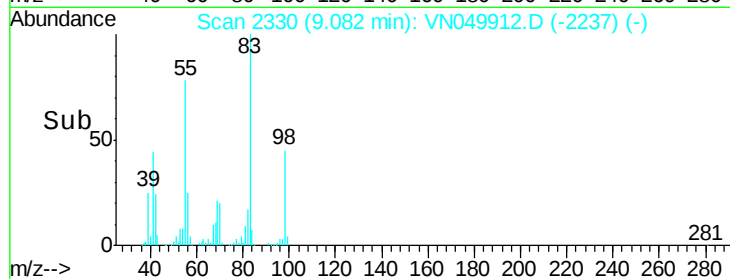
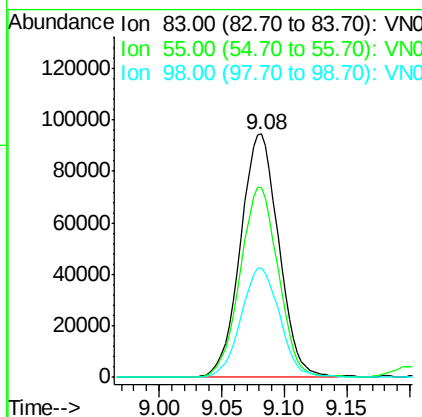
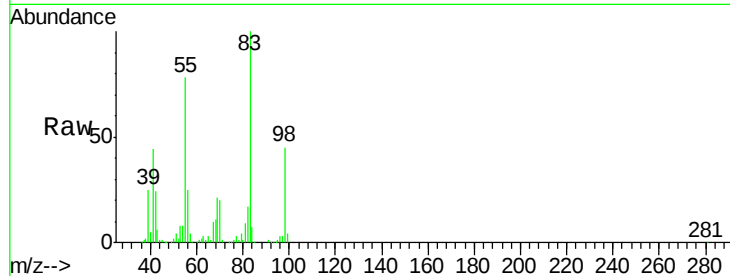
#39
Methvlcvclohexane
Concen: 19.50 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	59.7	89.5
98	44.9	36.5	54.7

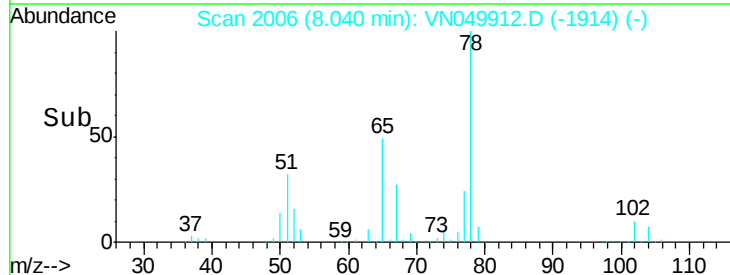
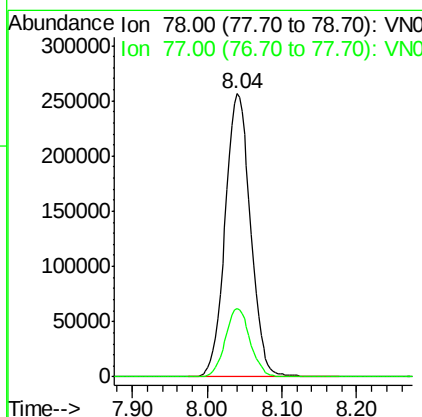
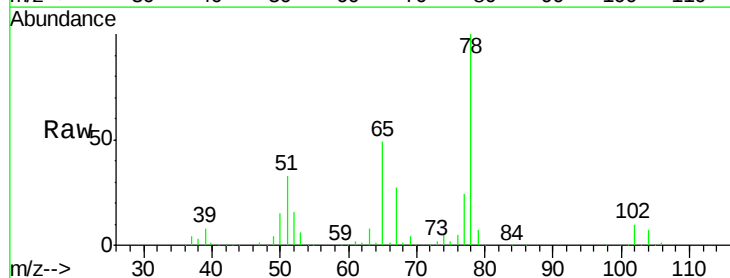
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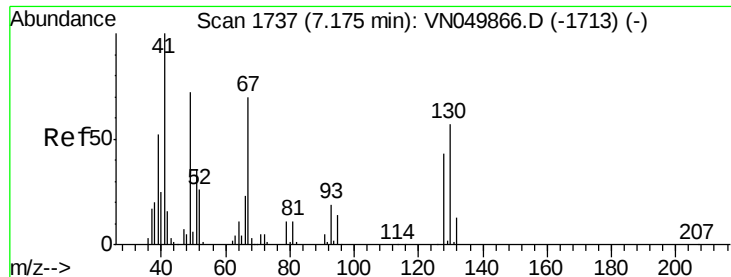
MMDadoda
7/20/2018 11:08:04 AM



#40
Benzene
Concen: 19.80 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.4





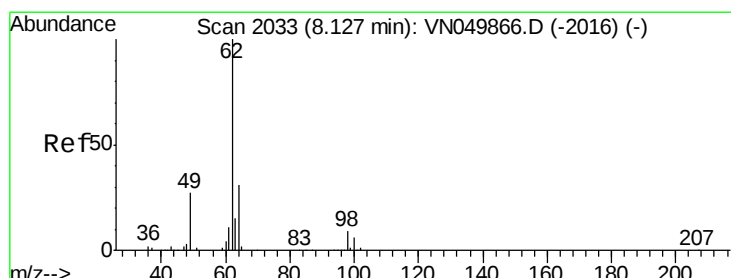
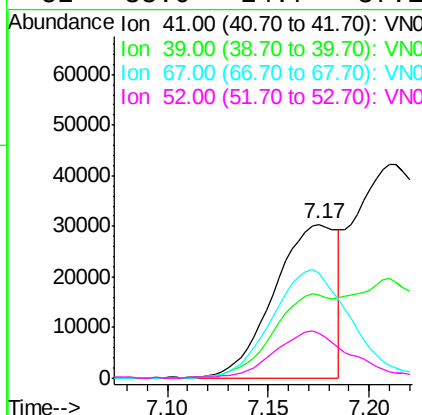
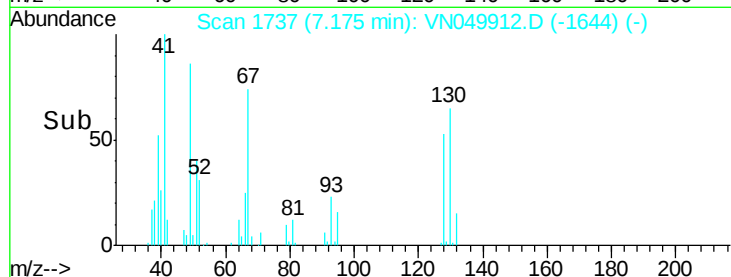
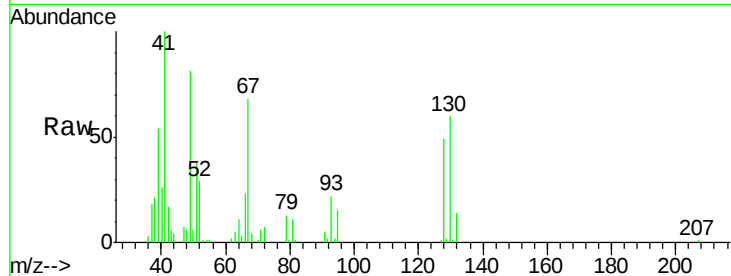
#41
Methacrylonitrile
Concen: 19.12 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.2	45.4	68.2
67	0.0	65.4	98.0#
52	38.0	24.7	37.1#

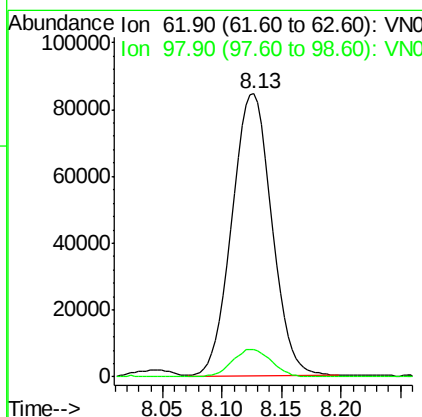
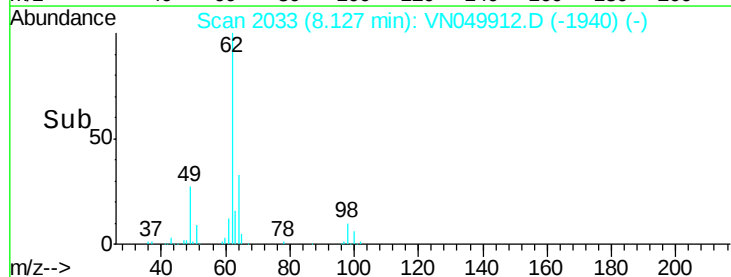
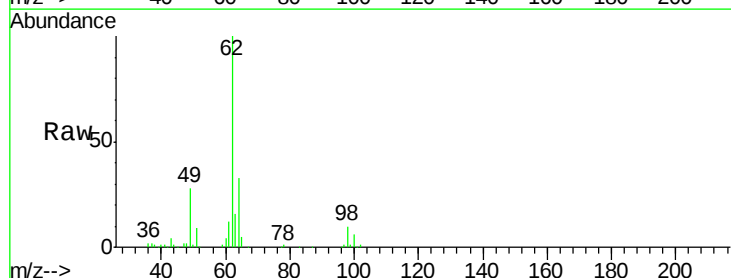
Manual Integrations
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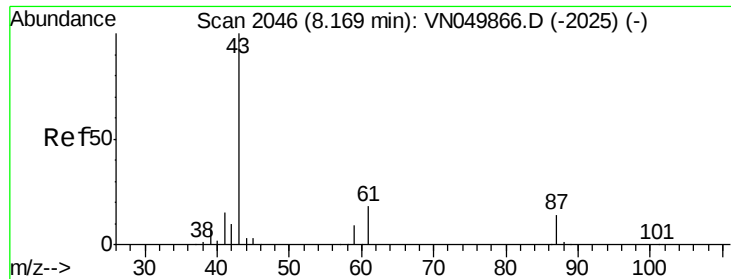
MMDadoda
7/20/2018 11:08:04 AM



#42
1,2-Dichloroethane
Concen: 19.51 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.0





#43

Isopropyl Acetate

Concen: 21.60 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Instrument :

MSVOA_N

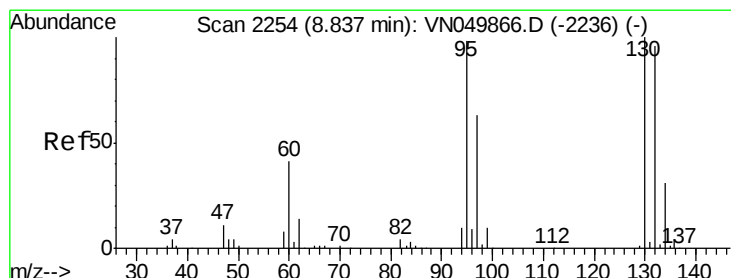
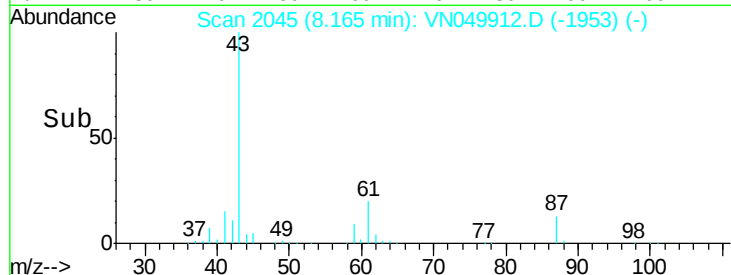
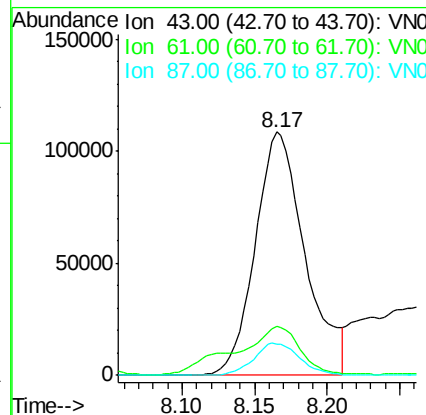
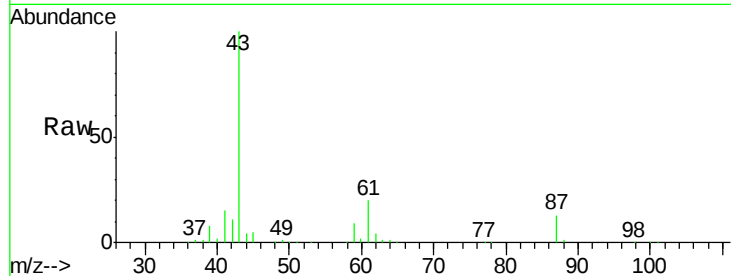
ClientSampleId :

VN0719WBSD01

Tot Ion:	43	Resp:	258463
Ion	Ratio	Lower	Upper
43	100		
61	26.0	14.9	22.3#
87	12.2	10.0	15.0

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#44

Trichloroethene

Concen: 19.65 ug/l

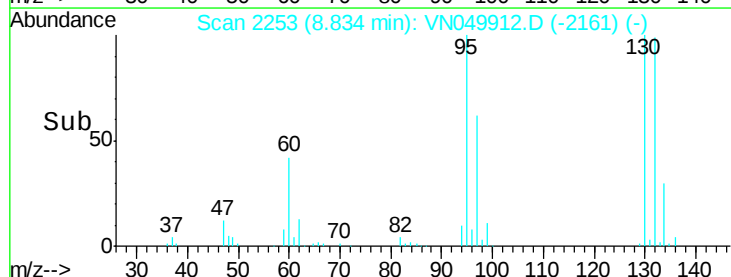
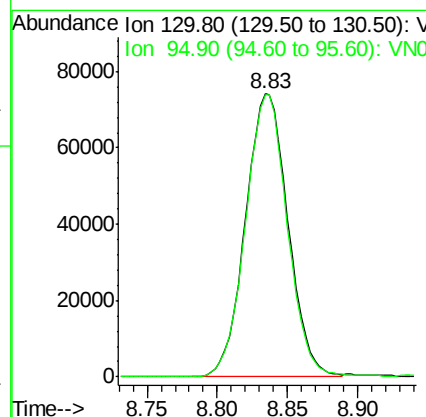
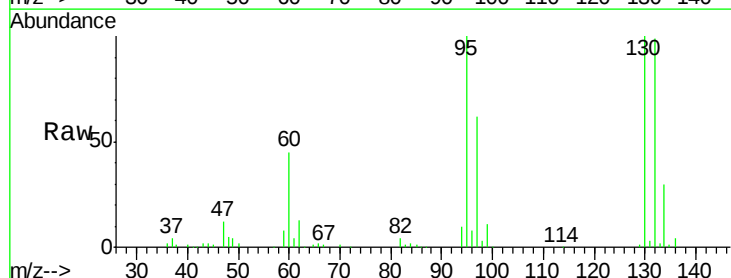
RT: 8.83 min Scan# 2253

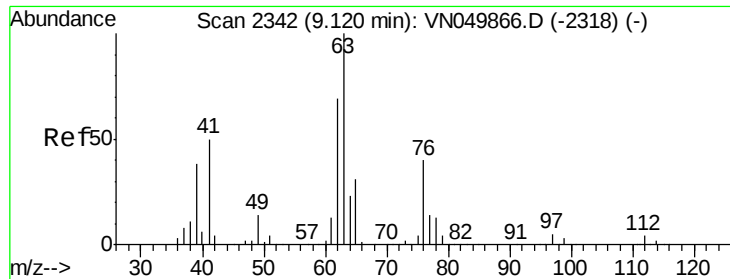
Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Tgt Ion:	130	Resp:	156653
Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	192.8





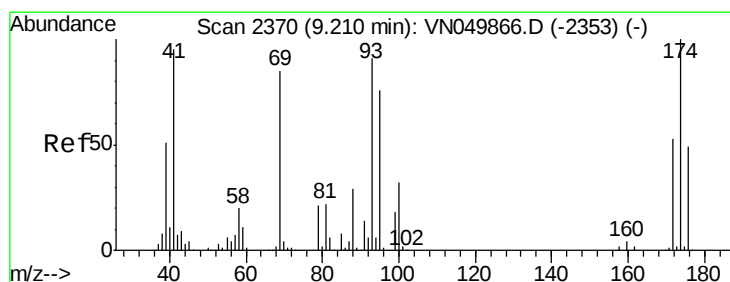
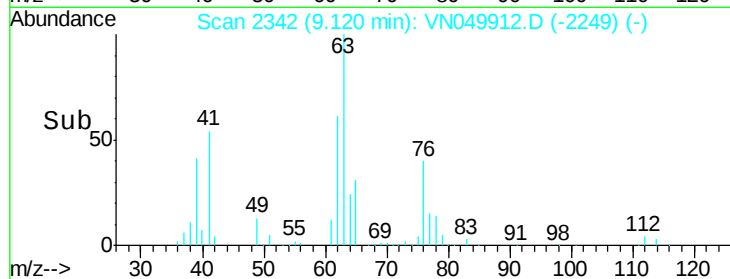
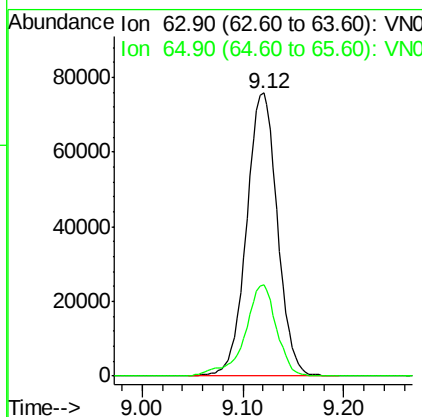
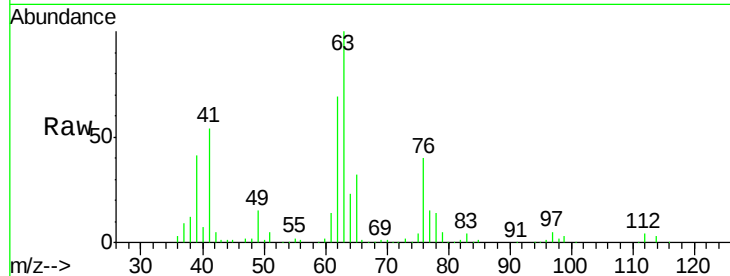
#45
 1,2-Dichloropropane
 Concen: 19.52 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Tot Ion: 63 Resp: 160090
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.7 37.1

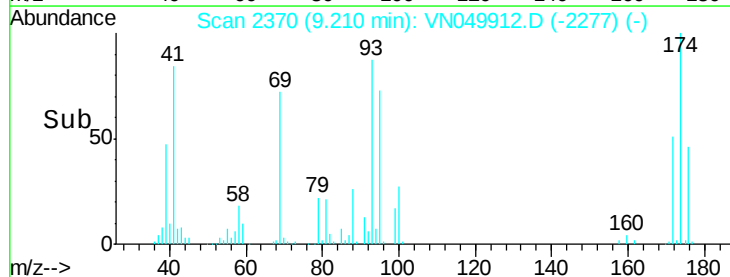
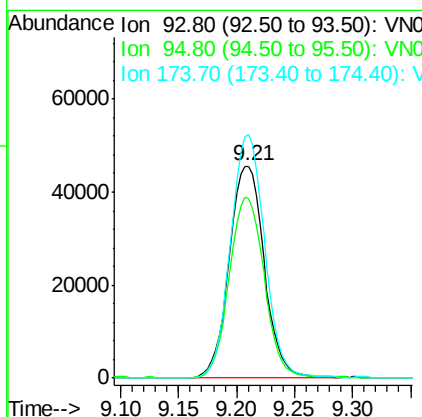
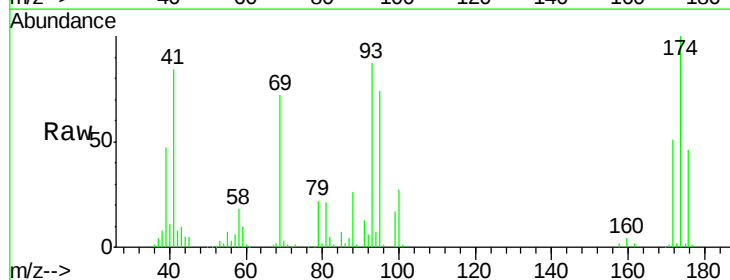
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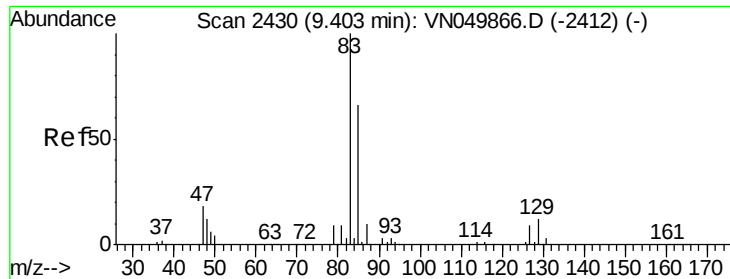
MMDadoda
 7/20/2018 11:08:04 AM



#46
 Dibromomethane
 Concen: 18.89 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Tgt Ion: 93 Resp: 96075
 Ion Ratio Lower Upper
 93 100
 95 84.8 67.9 101.9
 174 111.8 89.4 134.0





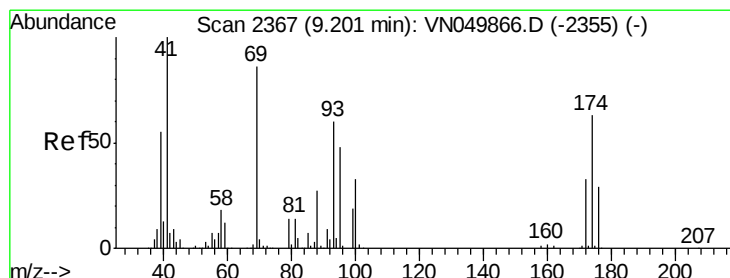
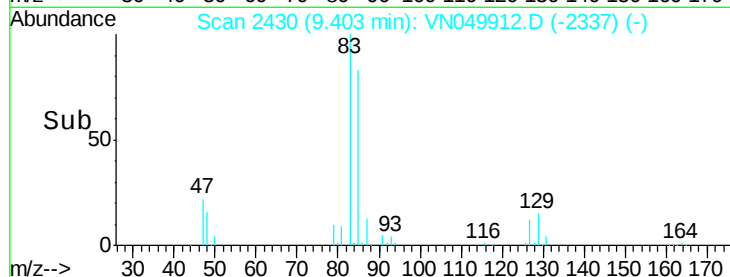
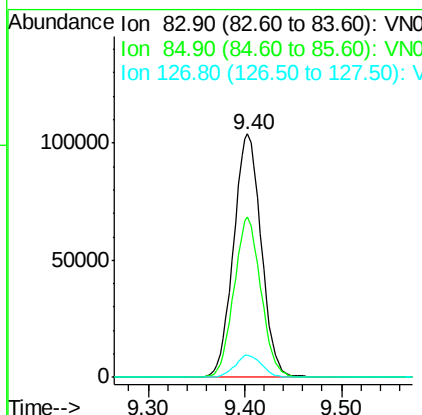
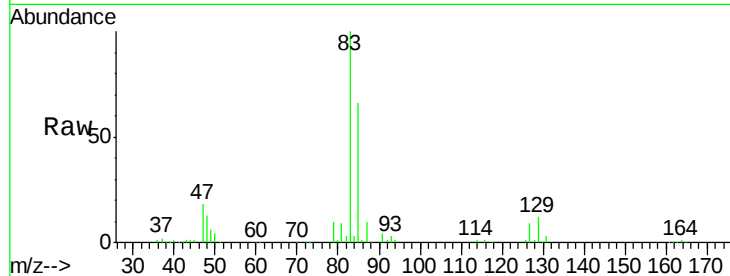
#47
Bromodichloromethane
Concen: 19.62 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	206453		
85	65.7		50.5	75.7
127	9.3		6.8	10.2

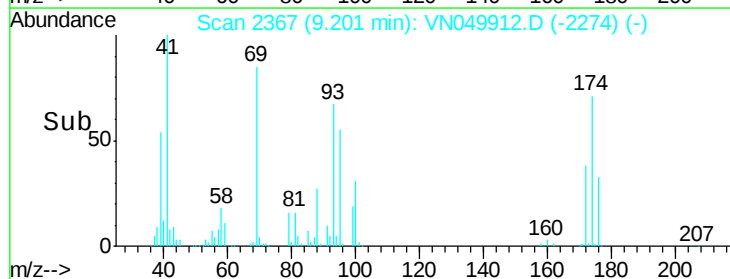
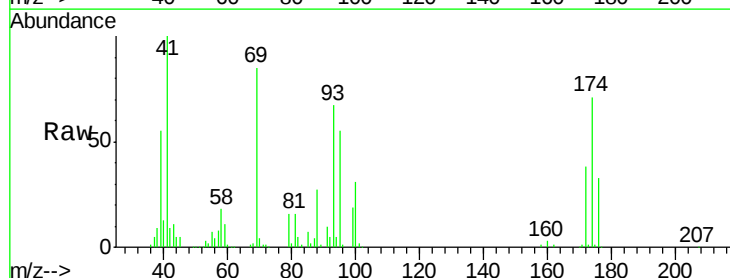
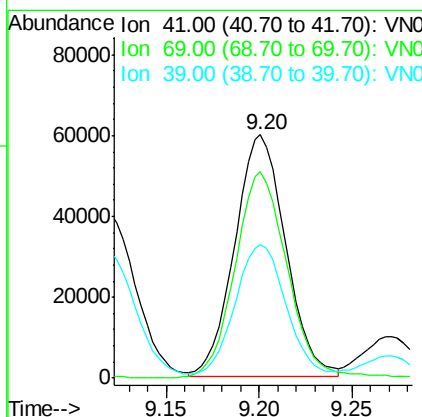
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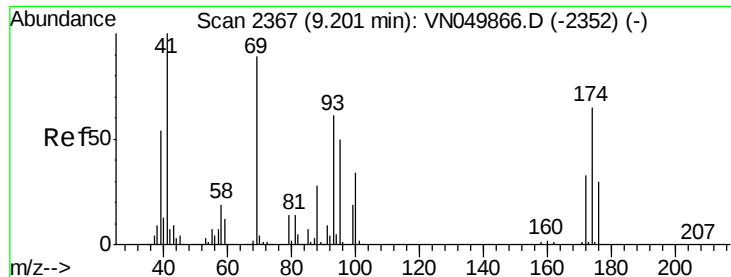
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#48
Methyl methacrylate
Concen: 19.02 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	114205		
69	87.8		71.5	107.3
39	55.4		44.7	67.1





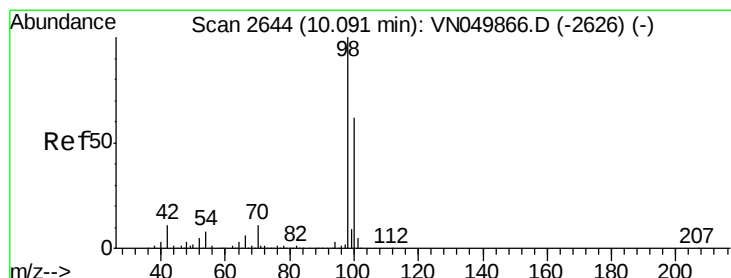
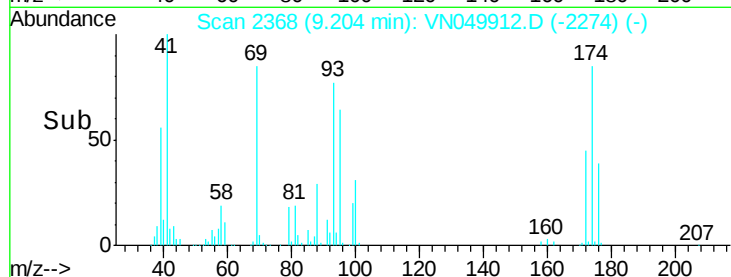
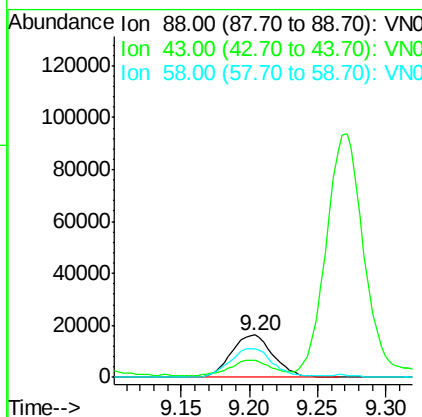
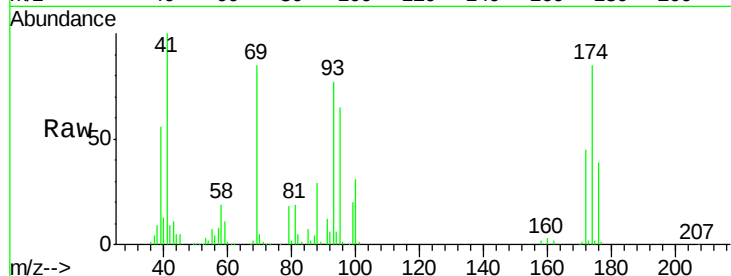
#49
1,4-Dioxane
Concen: 412.06 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	88	Resp	35092
Ion Ratio	Lower	Upper	
88	100		
43	33.9	25.1	37.7
58	68.8	52.5	78.7

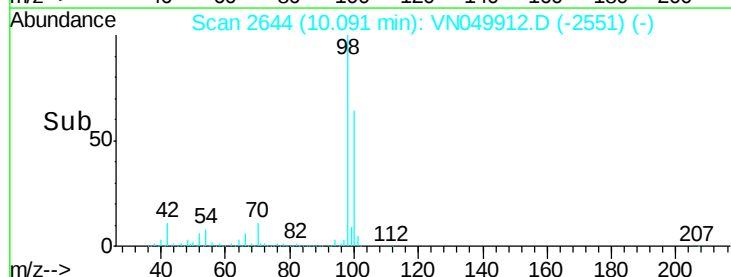
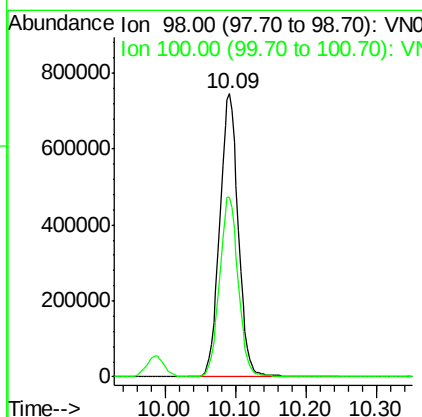
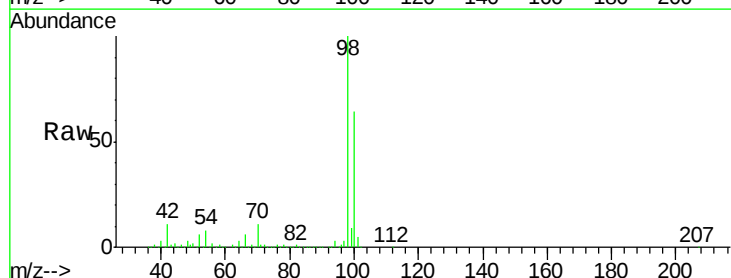
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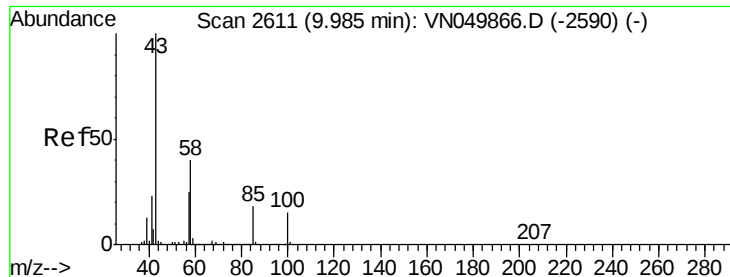
MMDadoda
7/20/2018 11:08:04 AM



#50
Toluene-d8
Concen: 49.72 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Tgt Ion	98	Resp	1364413
Ion Ratio	Lower	Upper	
98	100		
100	63.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 99.79 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Instrument :

MSVOA_N

ClientSampled :

VN0719WBSD01

Tot Ion: 43 Resp: 667577

Ion Ratio Lower Upper

43 100

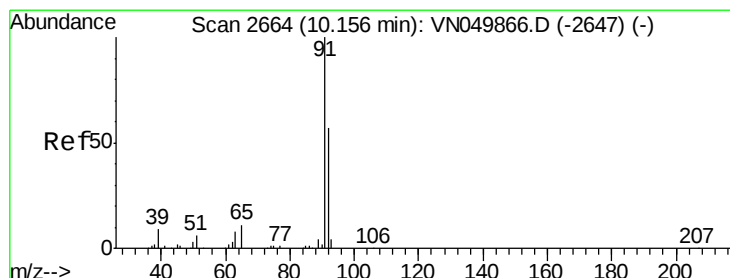
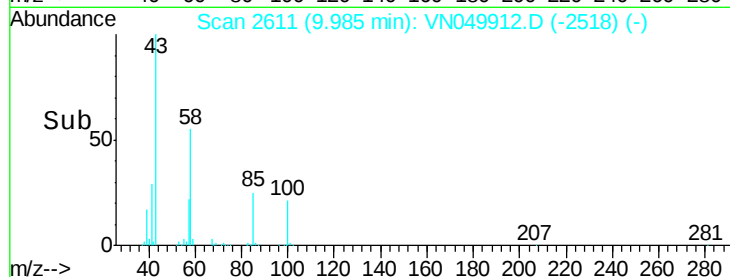
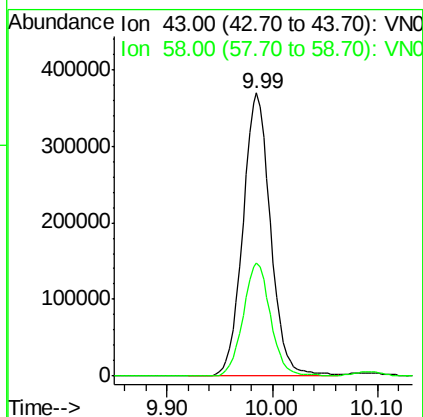
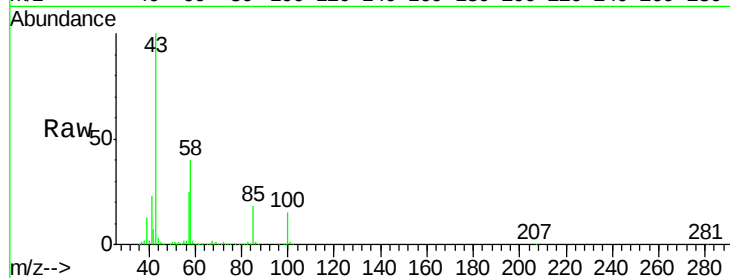
58 39.9 31.8 47.8

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#52

Toluene

Concen: 20.30 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049912.D

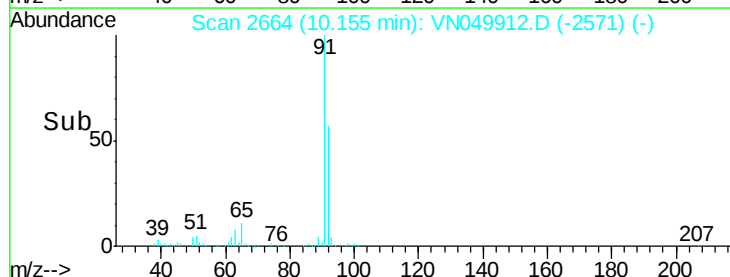
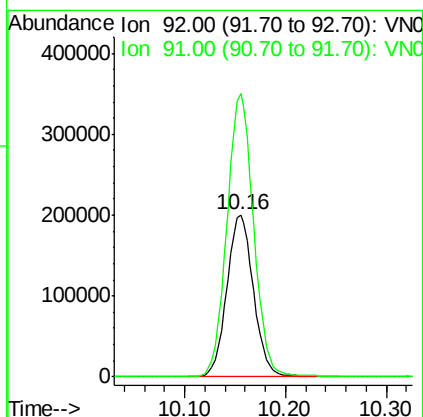
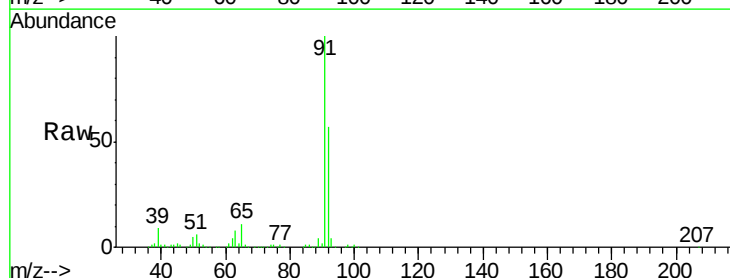
Acq: 19 Jul 2018 13:24

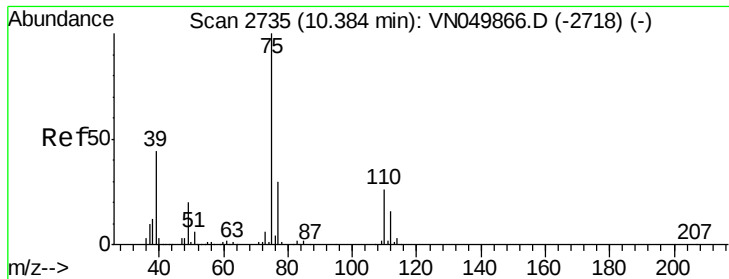
Tgt Ion: 92 Resp: 368099

Ion Ratio Lower Upper

92 100

91 175.8 140.1 210.1





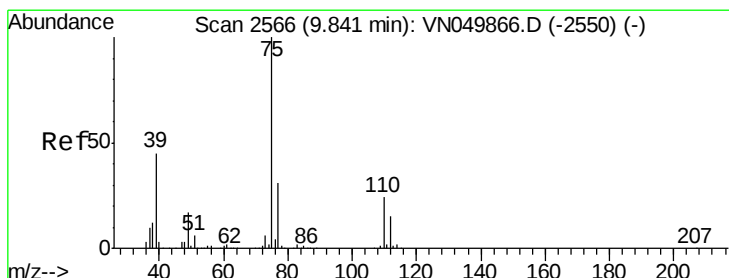
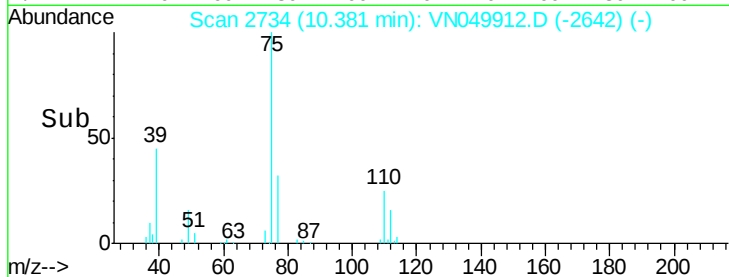
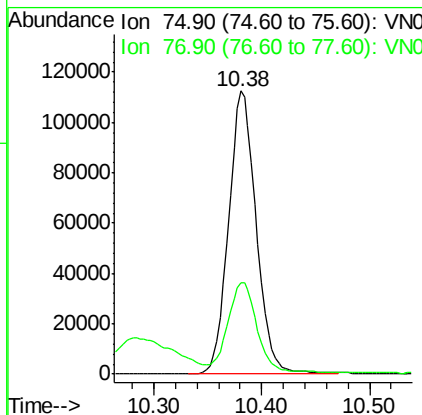
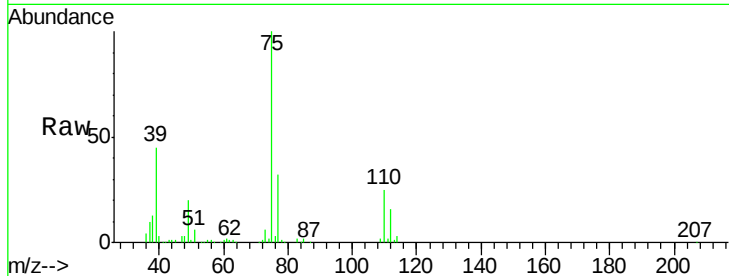
#53
t-1,3-Dichloropropene
Concen: 19.33 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion: 75 Resp: 201115
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8

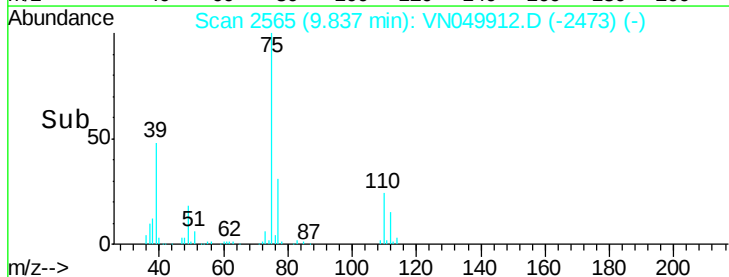
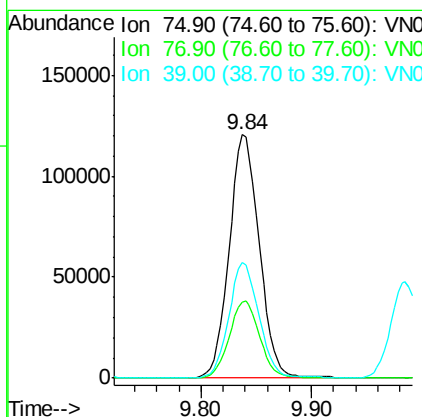
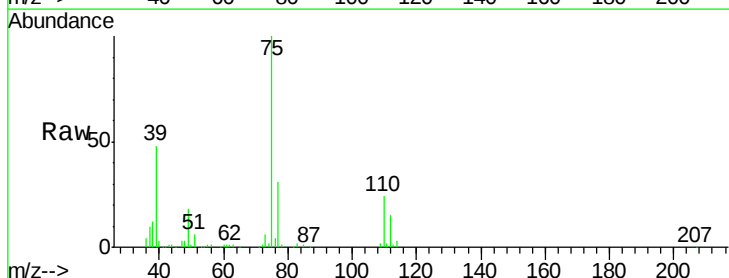
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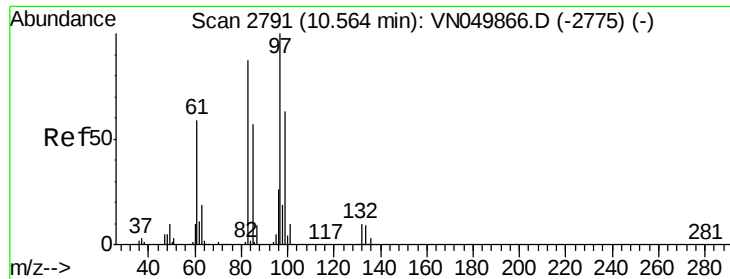
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#54
cis-1,3-Dichloropropene
Concen: 19.82 ug/l
RT: 9.84 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Tgt Ion: 75 Resp: 227904
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9
39 47.4 35.5 53.3





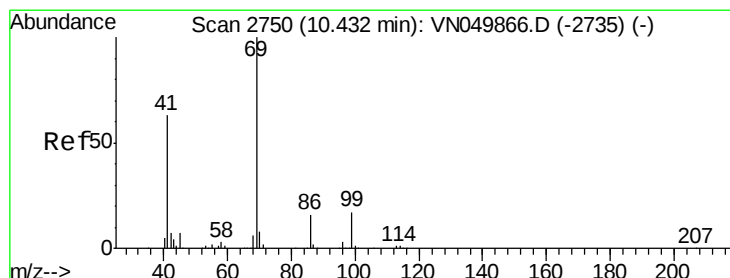
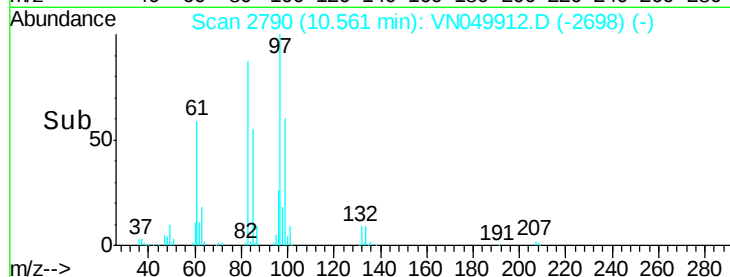
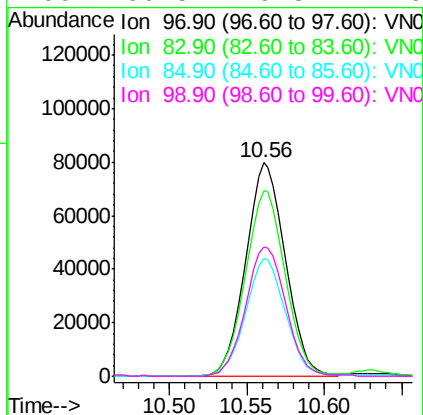
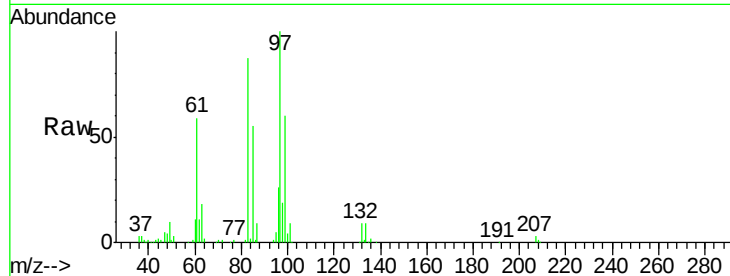
#55
 1,1,2-Trichloroethane
 Concen: 18.97 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		142103		
83	87.1	69.0	103.6		
85	55.3	44.9	67.3		
99	60.5	49.8	74.6		

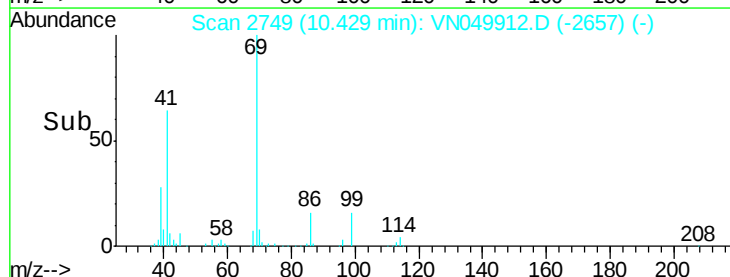
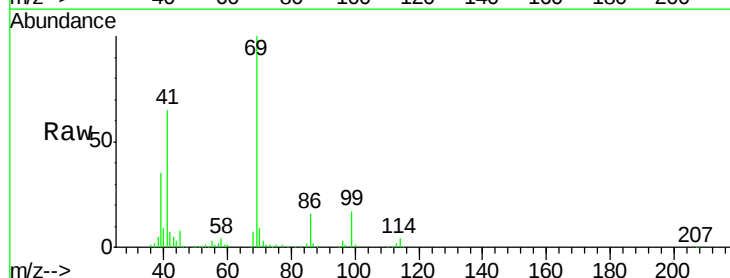
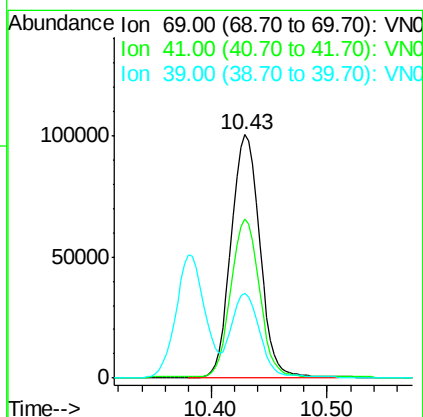
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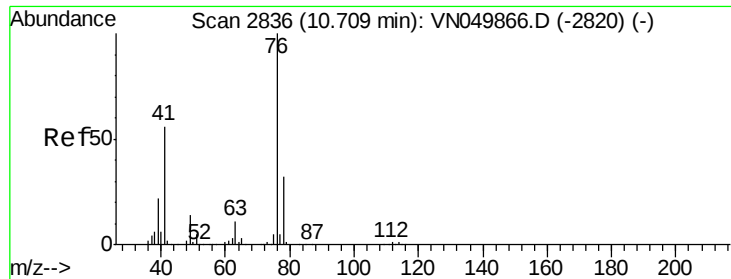
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 7/20/2018 11:08:04 AM



#56
 Ethyl methacrylate
 Concen: 18.70 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		173950		
41	63.6	51.6	77.4		
39	35.1	25.8	38.8		





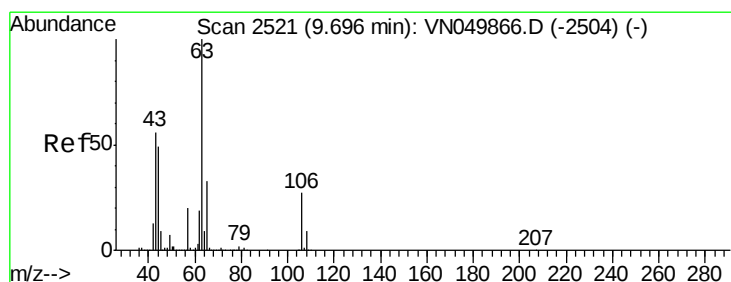
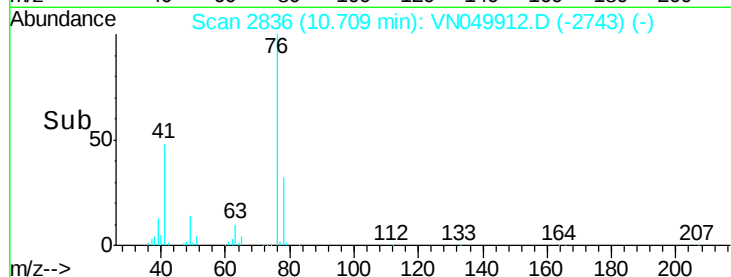
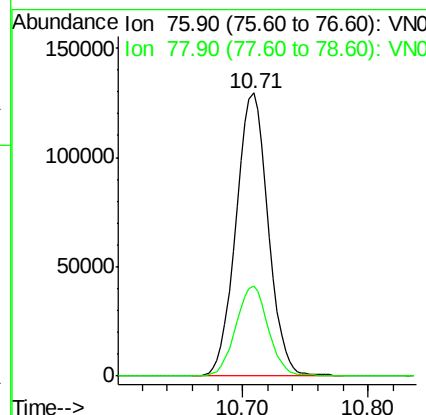
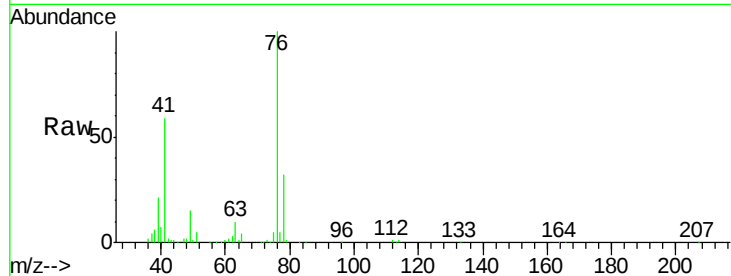
#57
 1,3-Dichloropropane
 Concen: 19.57 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Tot Ion: 76 Resp: 230942
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

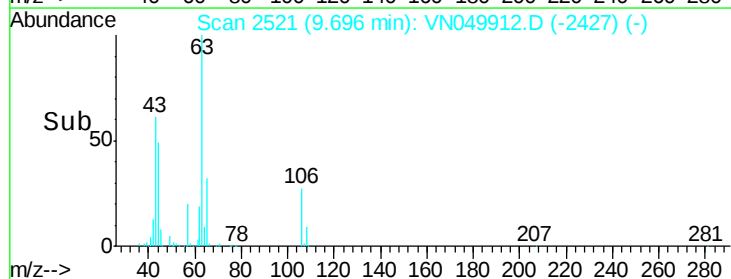
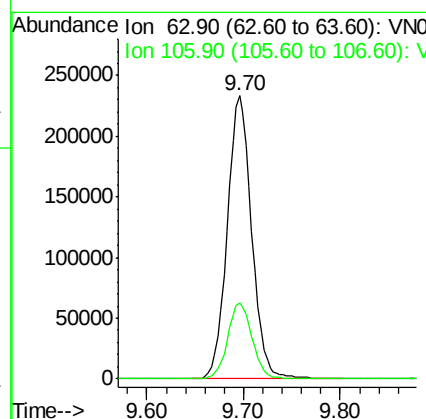
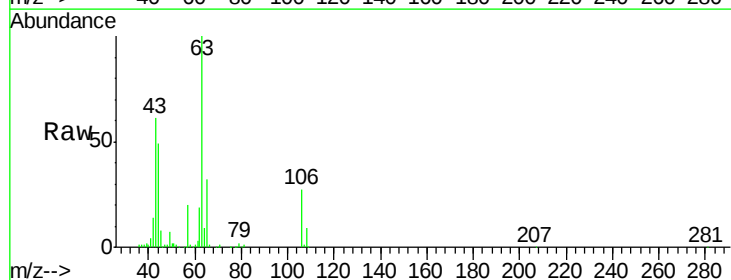
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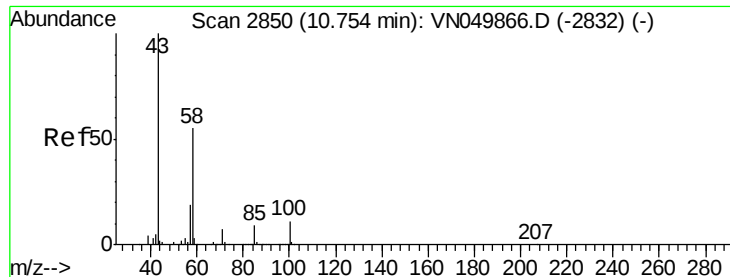
MMDadoda
 7/20/2018 11:08:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.77 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Tgt Ion: 63 Resp: 408549
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.8 32.8





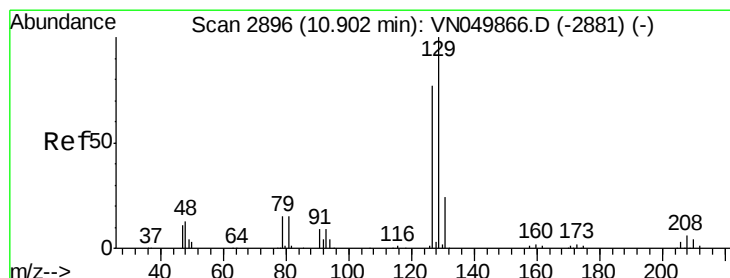
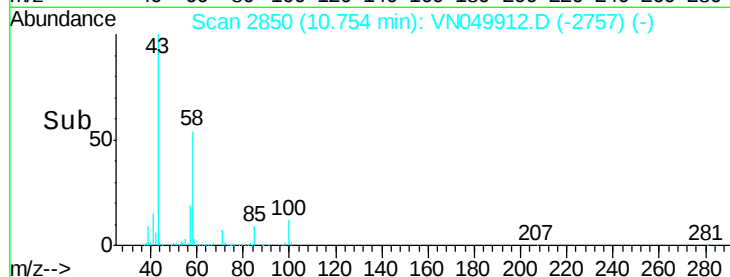
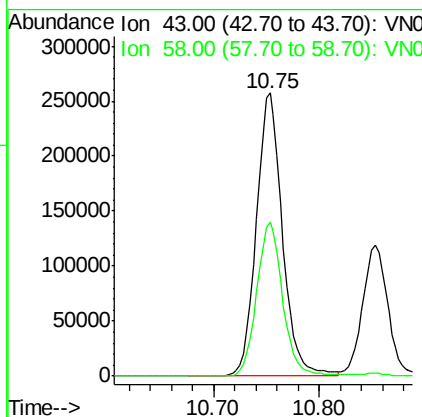
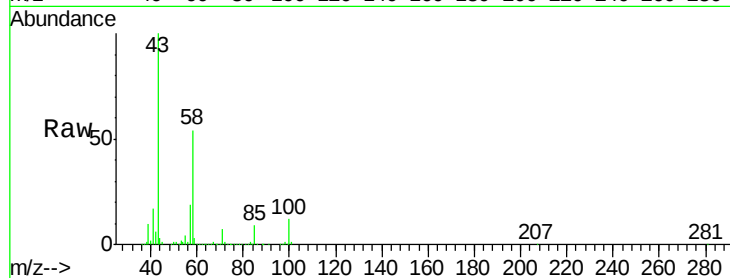
#59
2-Hexanone
Concen: 98.57 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.3	27.8	83.4

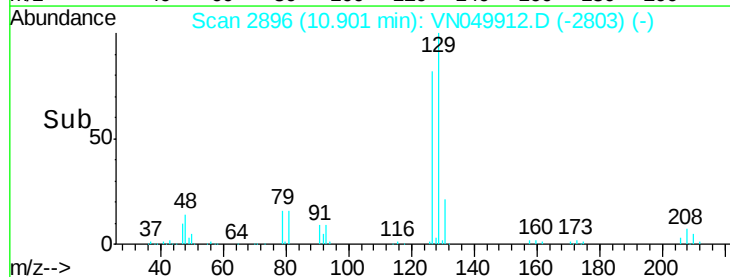
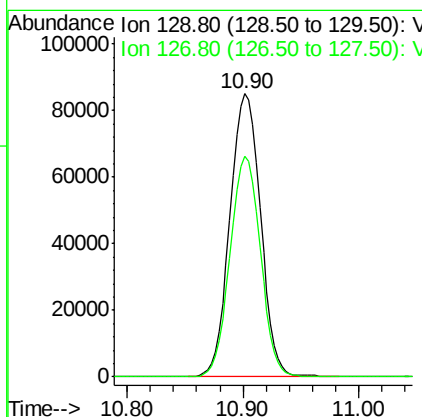
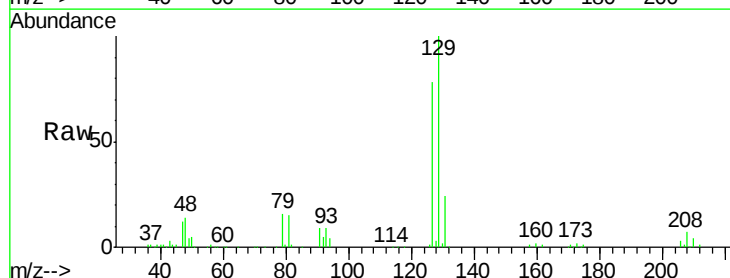
Manual Integrations
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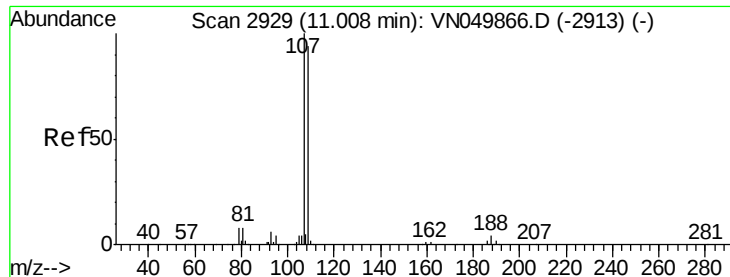
MMDadoda
7/20/2018 11:08:04 AM



#60
Dibromochloromethane
Concen: 19.02 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.3	114.9





#61

1,2-Dibromoethane

Concen: 19.54 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

Tot Ion:107 Resp: 136774

Ion Ratio Lower Upper

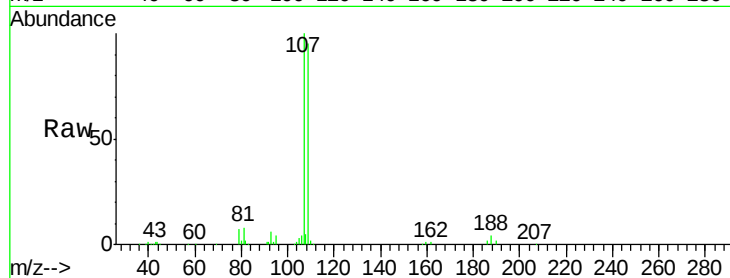
107 100

109 94.2 75.0 112.6

Manual Integrations
APPROVED

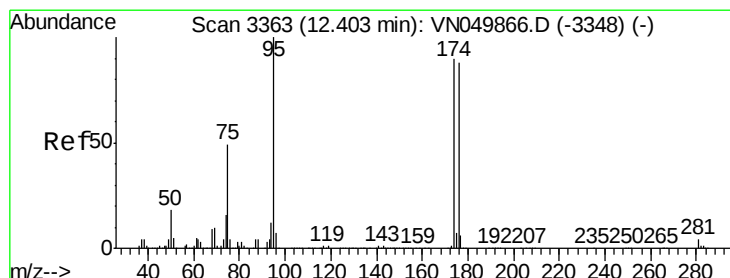
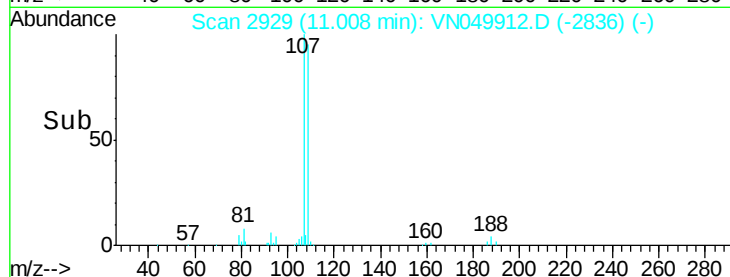
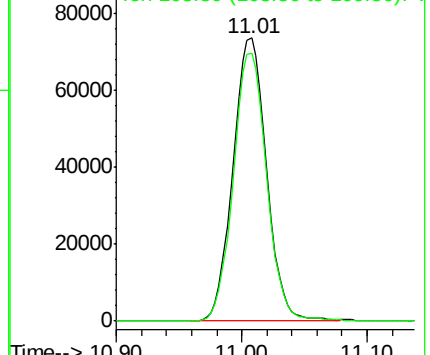
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.21 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

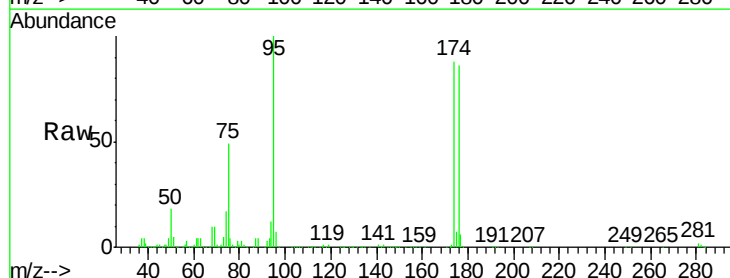
Tgt Ion: 95 Resp: 465063

Ion Ratio Lower Upper

95 100

174 89.2 0.0 179.6

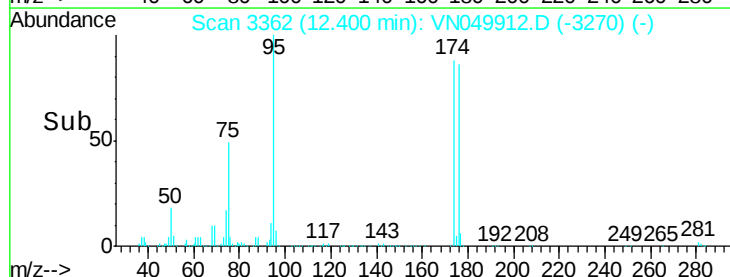
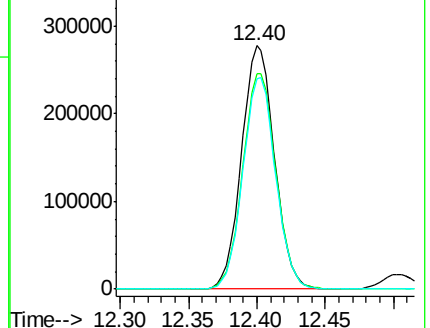
176 86.5 0.0 174.0

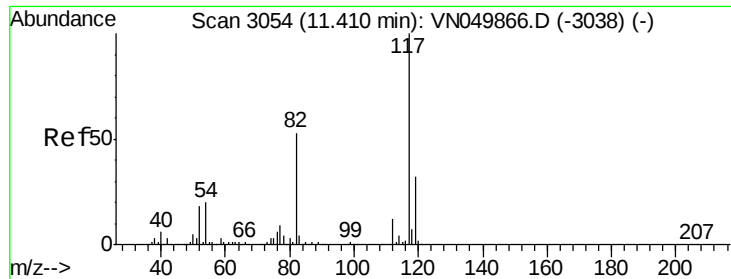


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Instrument :

MSVOA_N

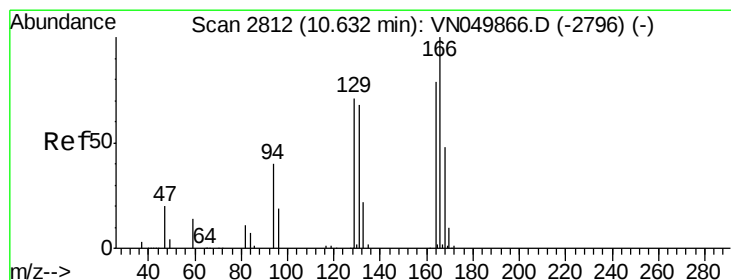
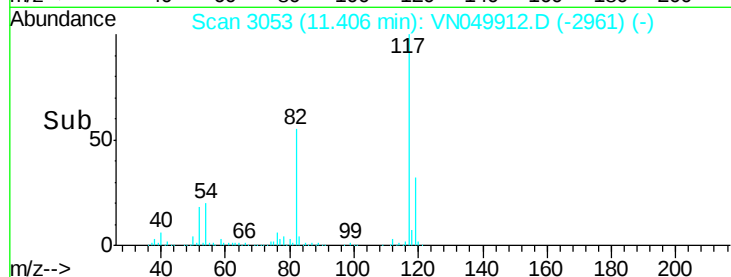
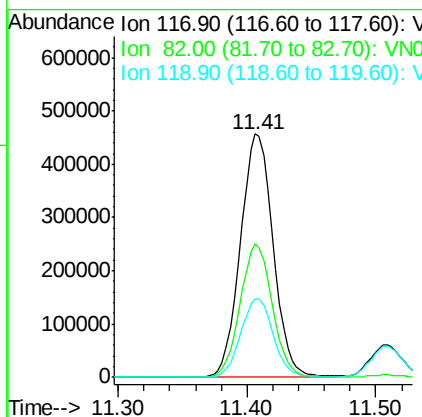
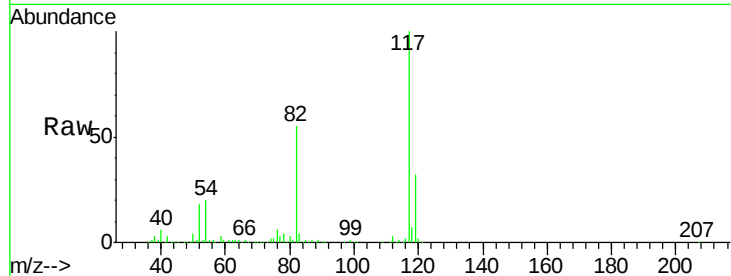
ClientSampleId :

VN0719WBSD01

Tot Ion:	117	Resp:	808327
Ion Ratio	Lower	Upper	
117	100		
82	54.6	41.9	62.9
119	32.3	25.4	38.2

Manual Integrations
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#64

Tetrachloroethene

Concen: 19.63 ug/l

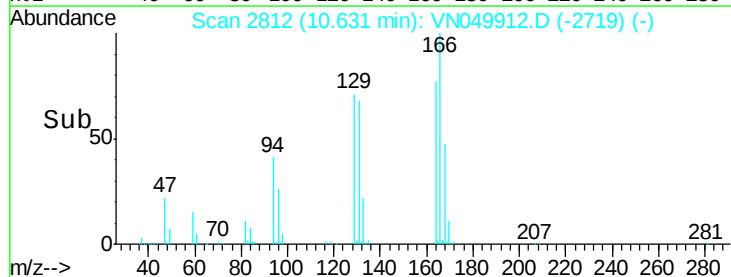
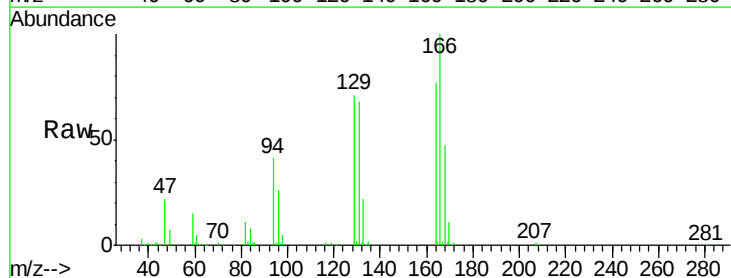
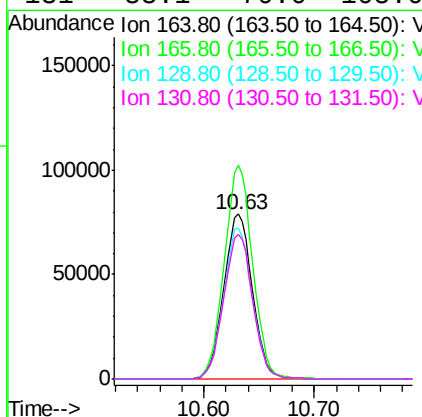
RT: 10.63 min Scan# 2812

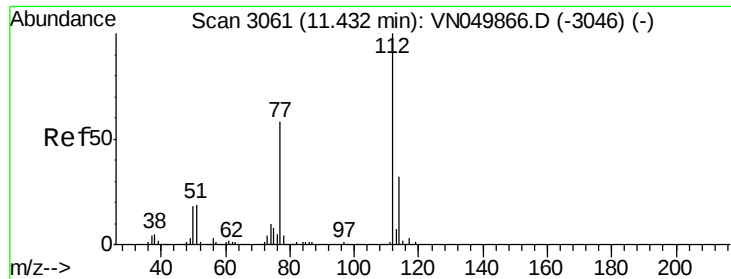
Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Tgt Ion:	164	Resp:	142566
Ion Ratio	Lower	Upper	
164	100		
166	129.6	101.8	152.6
129	91.4	72.8	109.2
131	88.1	70.0	105.0





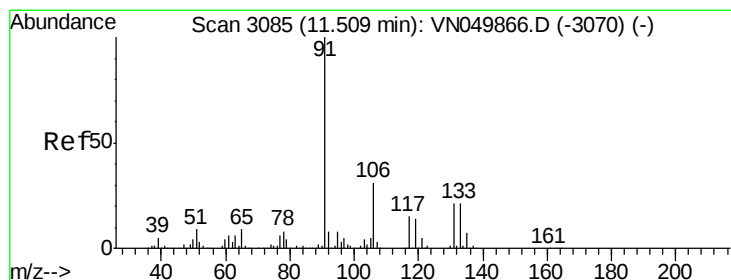
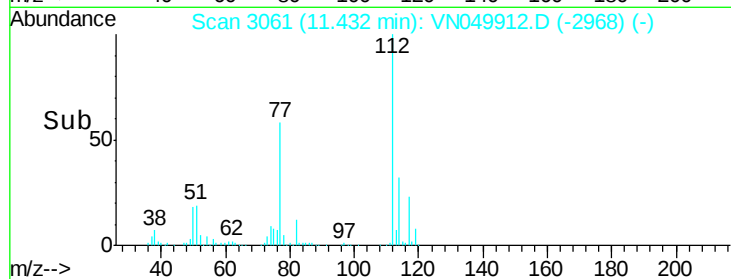
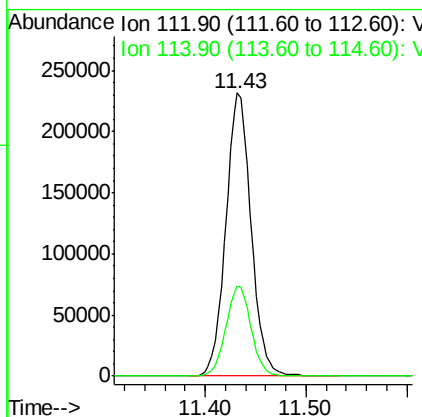
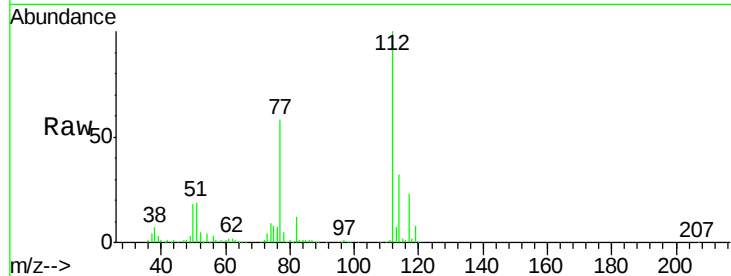
#65
Chlorobenzene
Concen: 19.91 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion:112 Resp: 404306
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0

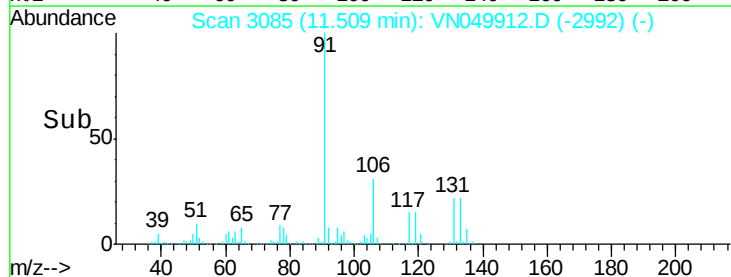
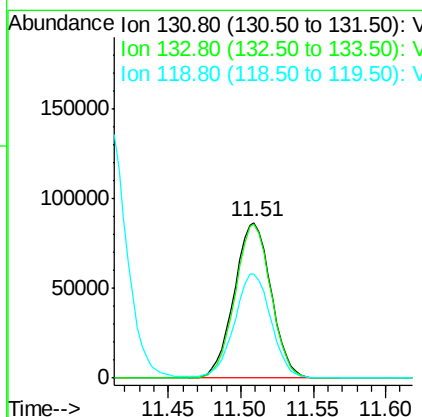
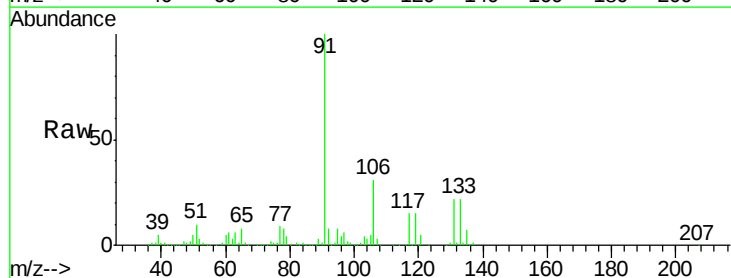
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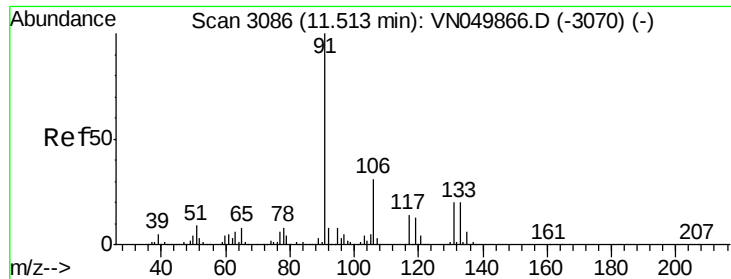
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.52 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Tgt Ion:131 Resp: 153539
Ion Ratio Lower Upper
131 100
133 95.9 47.5 142.6
119 66.4 33.1 99.3





#67

Ethyl Benzene

Concen: 20.38 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

Tot Ion: 91 Resp: 671544

Ion Ratio Lower Upper

91 100

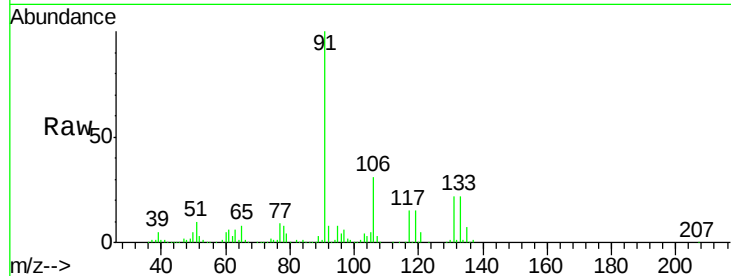
106 31.4 24.8 37.2

Manual Integrations

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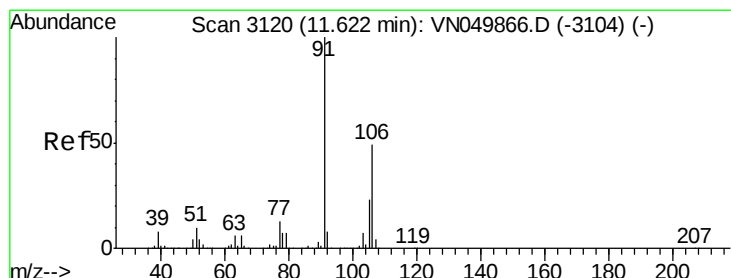
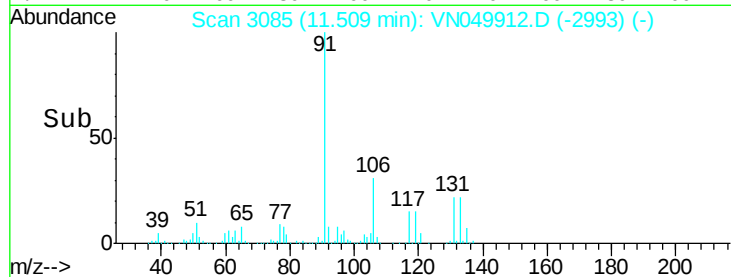
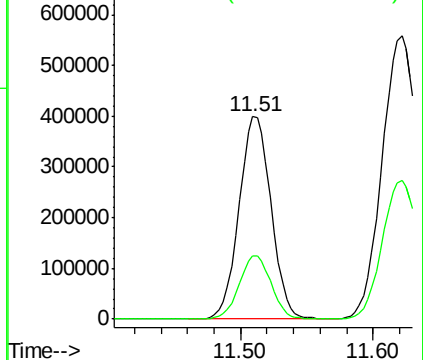
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 42.45 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049912.D

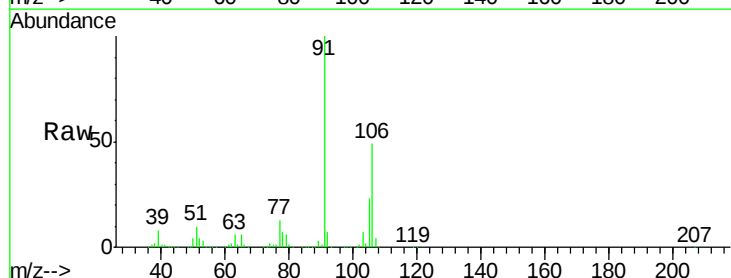
Acq: 19 Jul 2018 13:24

Tgt Ion: 106 Resp: 529444

Ion Ratio Lower Upper

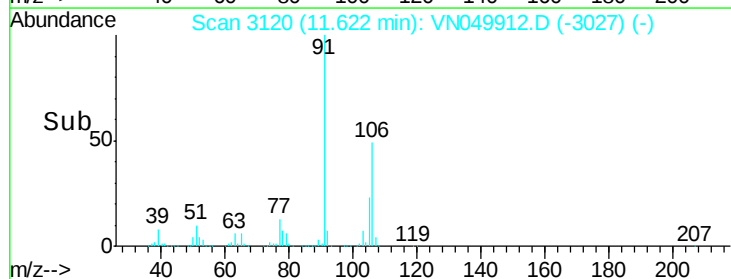
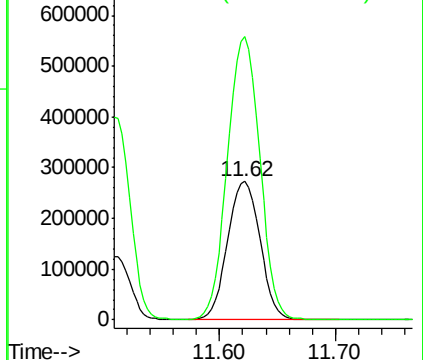
106 100

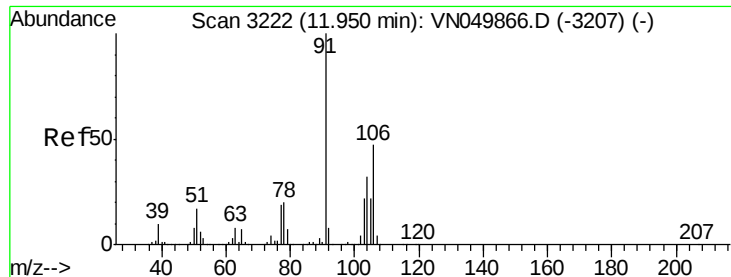
91 203.9 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





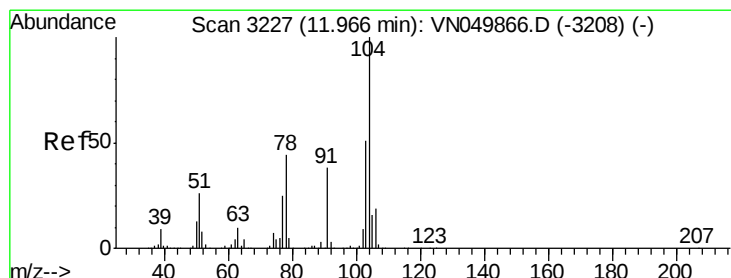
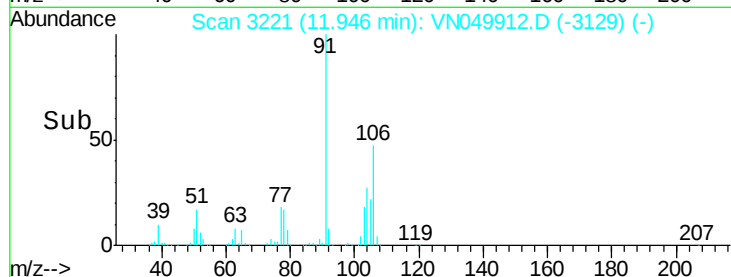
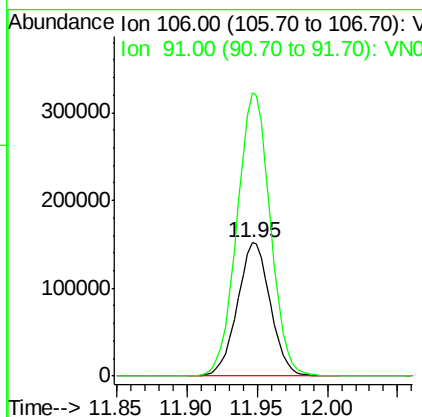
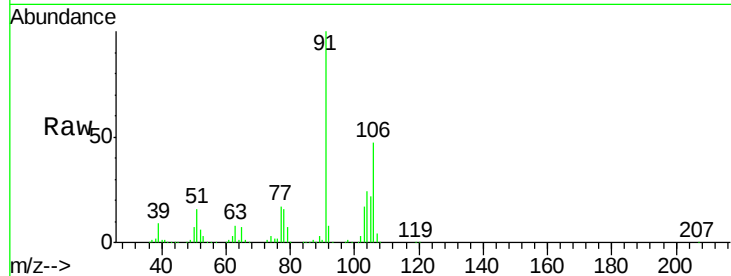
#69
o-Xylene
Concen: 20.79 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Instrument :
MSVOA_N
ClientSampled :
VN0719WBSD01

Tot Ion:106 Resp: 249094
Ion Ratio Lower Upper
106 100
91 214.4 108.7 326.1

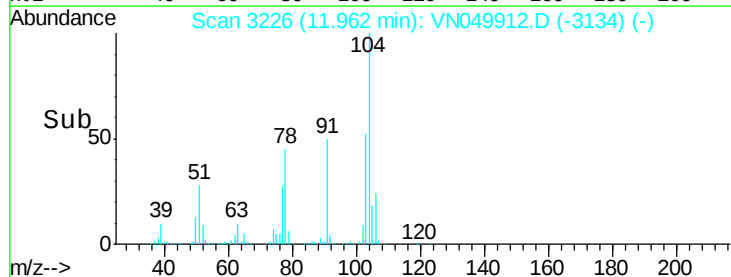
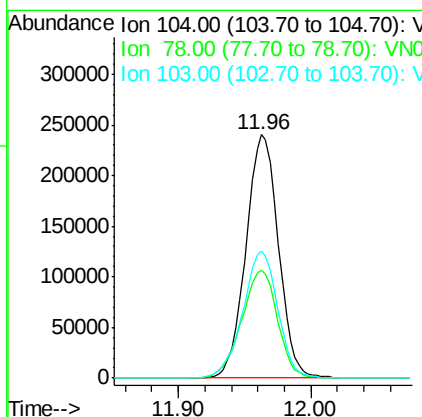
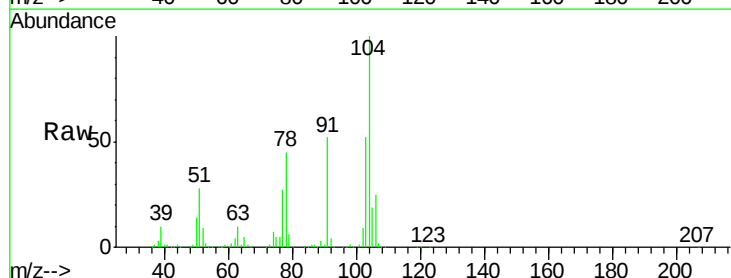
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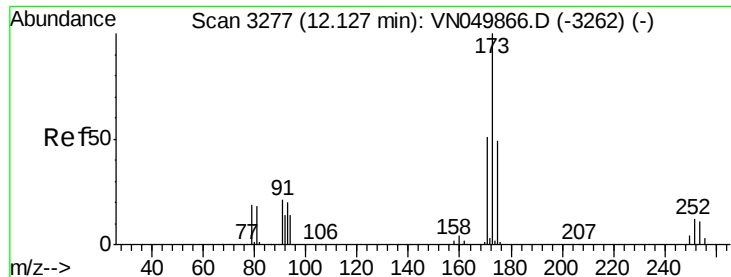
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#70
Styrene
Concen: 21.14 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Tgt Ion:104 Resp: 410185
Ion Ratio Lower Upper
104 100
78 48.9 39.2 58.8
103 56.3 44.6 67.0





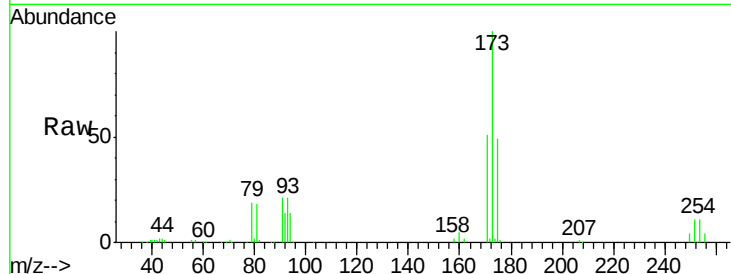
#71
 Bromoform
 Concen: 19.33 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

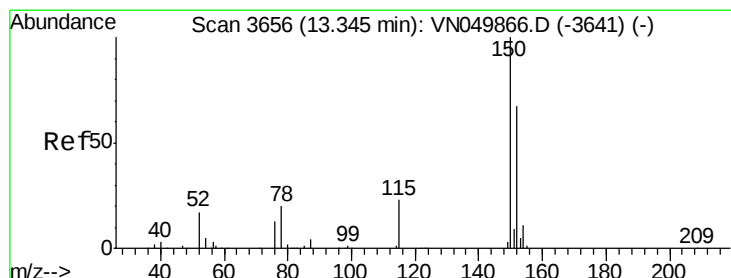
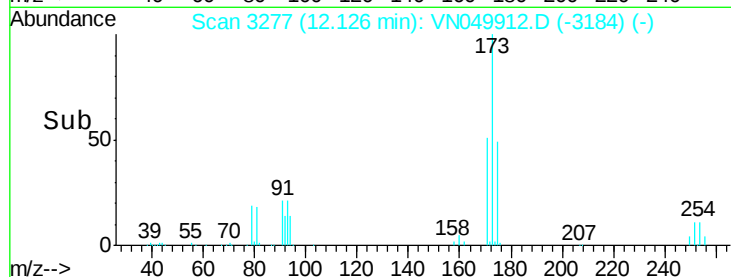
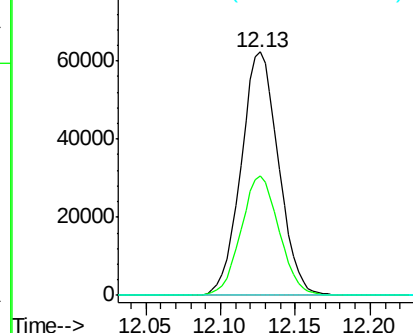
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.6	73.8
254	0.0	0.2	0.2

Manual Integrations
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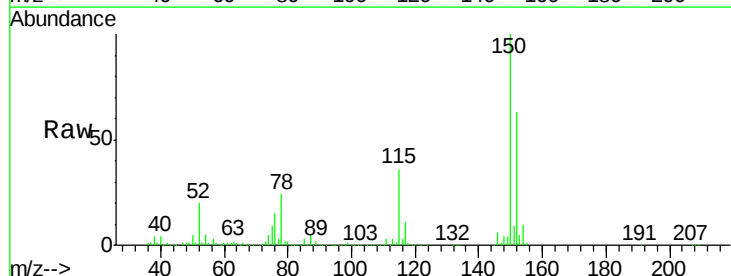


Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V

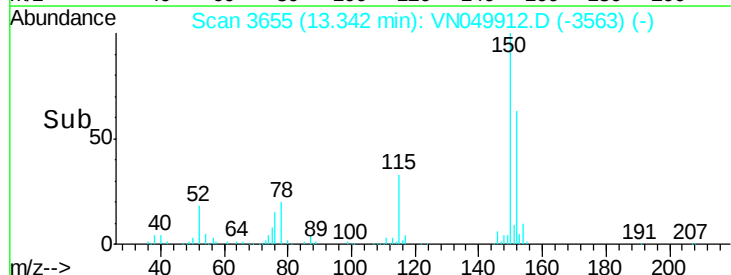
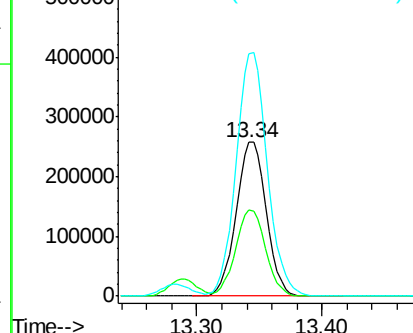


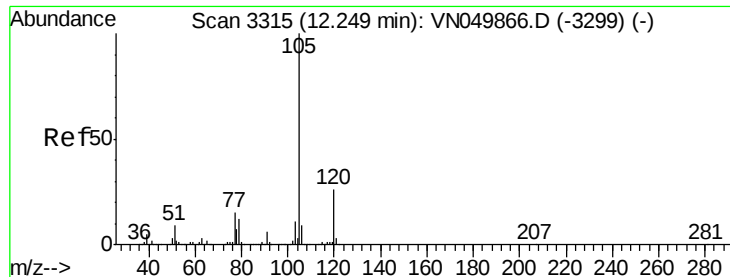
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.34 min Scan# 3655
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.1	84.2
150	164.1	0.0	347.6



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





#73

Isopropylbenzene

Concen: 20.72 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

Tot Ion: 105 Resp: 674093

Ion Ratio Lower Upper

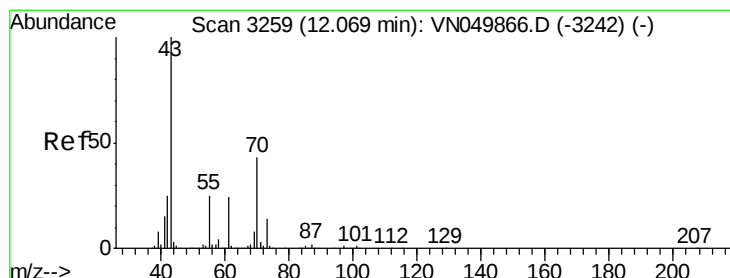
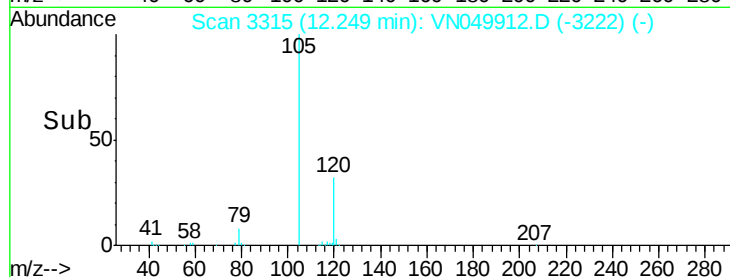
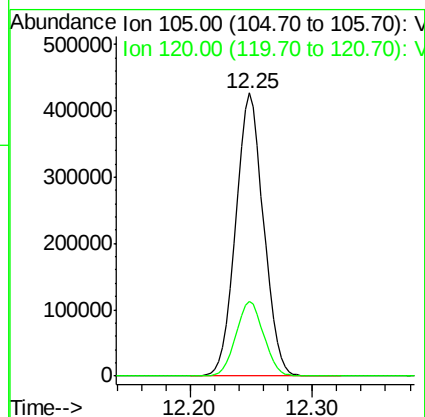
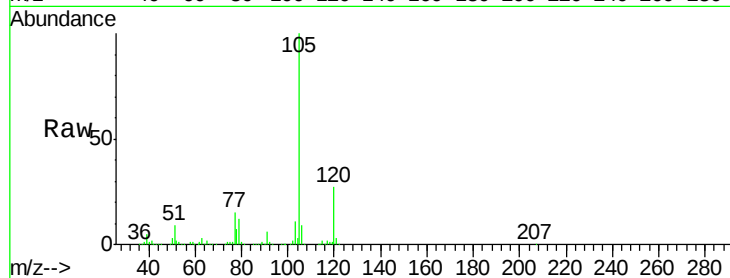
105 100

120 26.5 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.51 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Tgt Ion: 43 Resp: 203137

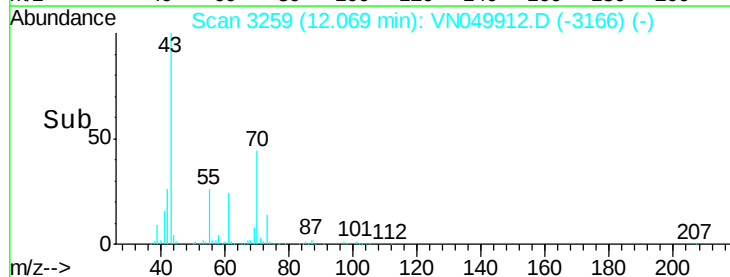
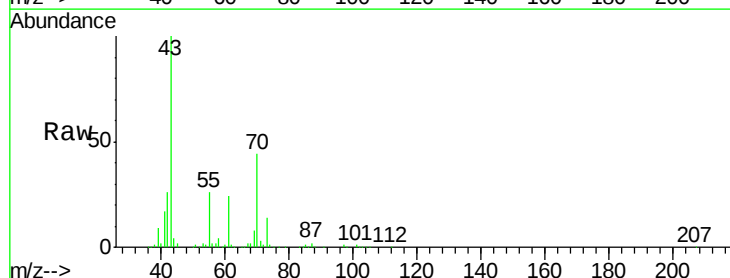
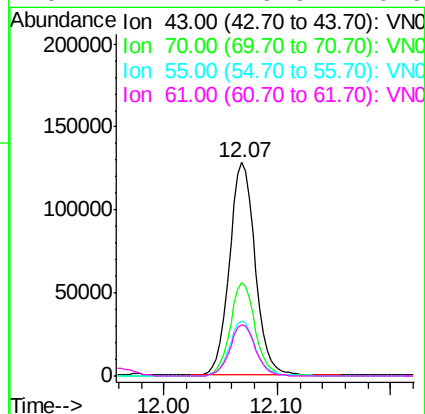
Ion Ratio Lower Upper

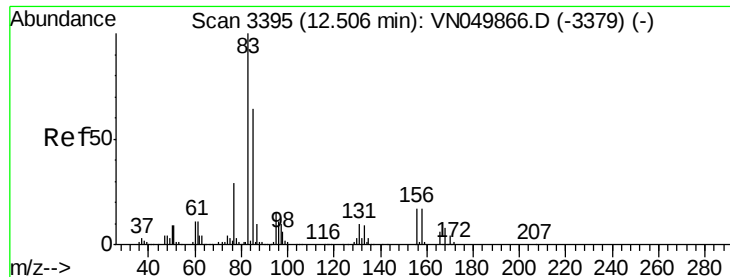
43 100

70 42.8 34.8 52.2

55 26.2 20.9 31.3

61 24.1 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.76 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

Tot Ion: 83 Resp: 182877
Ion Ratio Lower Upper

83 100

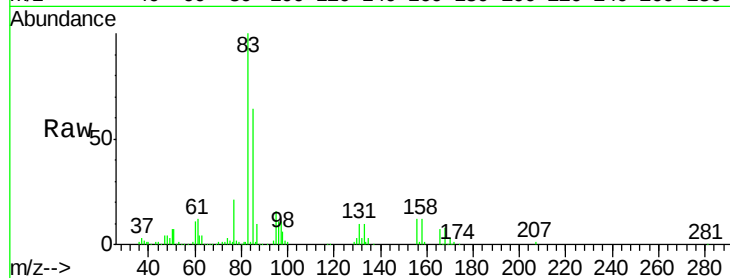
131 10.4 5.2 15.6

85 65.1 32.5 97.4

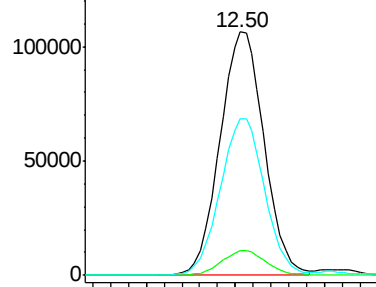
Manual Integrations
APPROVED

MMDadoda

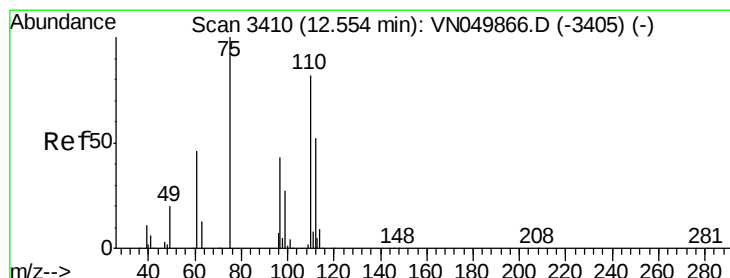
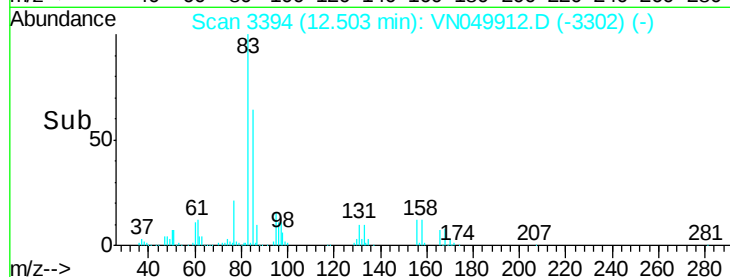
7/20/2018 11:08:04 AM



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



Time-->



#76

1,2,3-Trichloropropane

Concen: 19.68 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

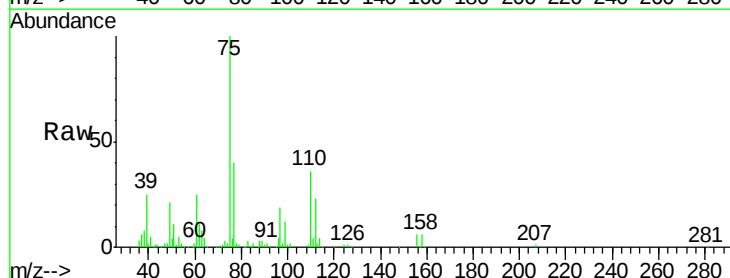
Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

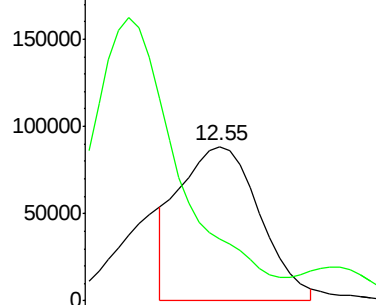
Tgt Ion: 75 Resp: 158127
Ion Ratio Lower Upper

75 100

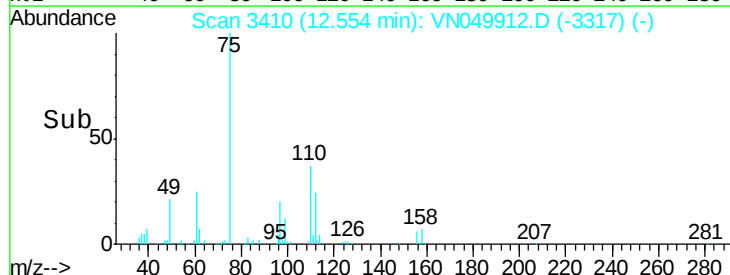
77 0.0 0.0 0.0

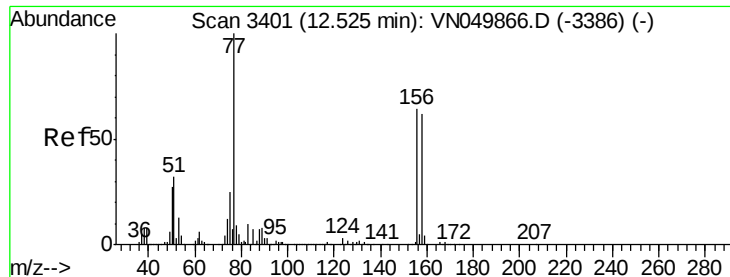


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN



Time-->





#77

Bromobenzene

Concen: 19.64 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

Tot Ion:156 Resp: 176445

Ion Ratio Lower Upper

156 100

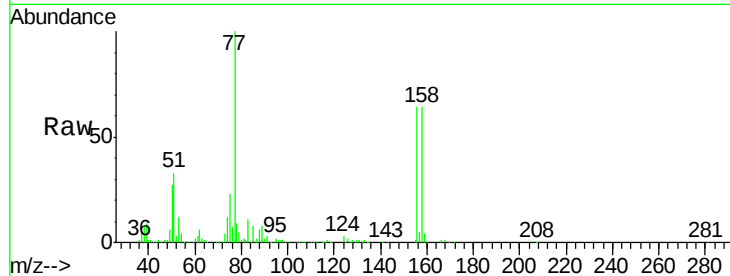
77 184.0 90.2 270.6

158 98.5 49.1 147.3

Manual Integrations
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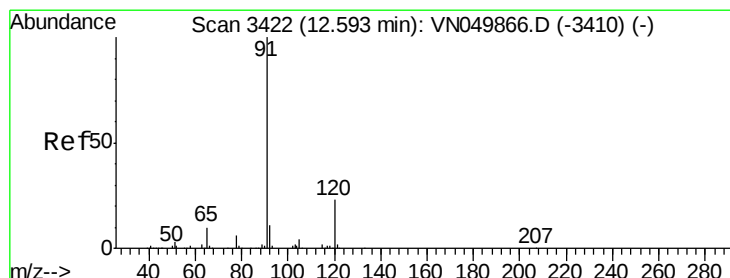
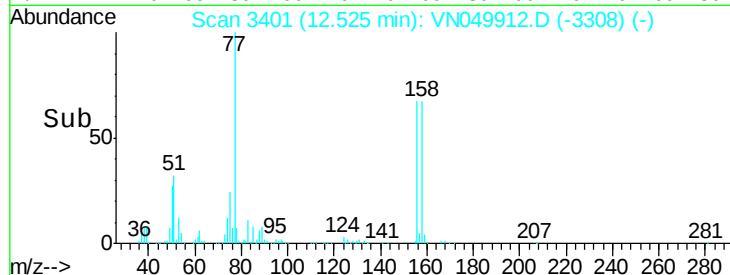
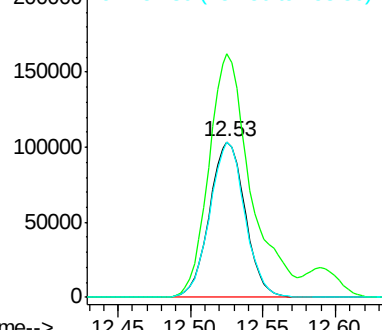
7/20/2018 11:08:04 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.93 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049912.D

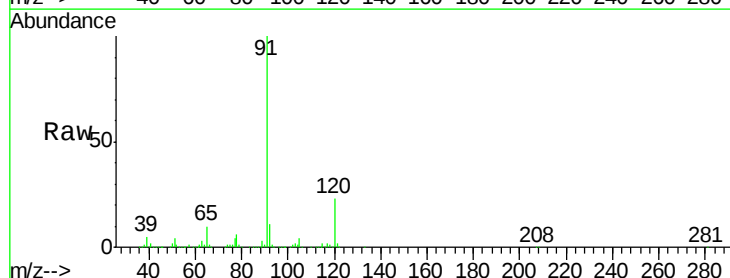
Acq: 19 Jul 2018 13:24

Tgt Ion: 91 Resp: 773988

Ion Ratio Lower Upper

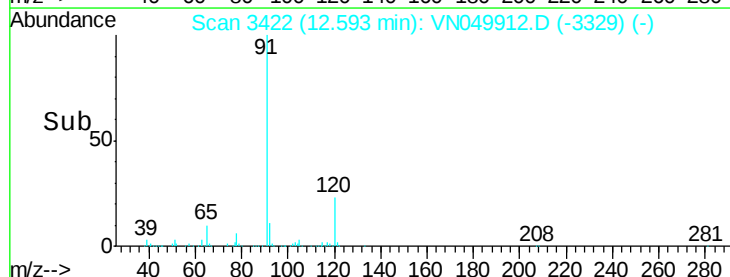
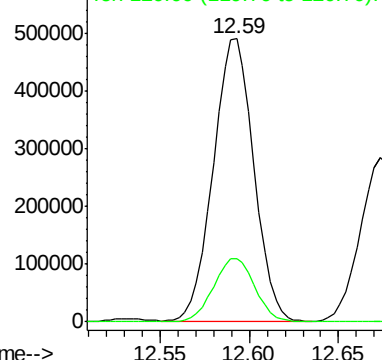
91 100

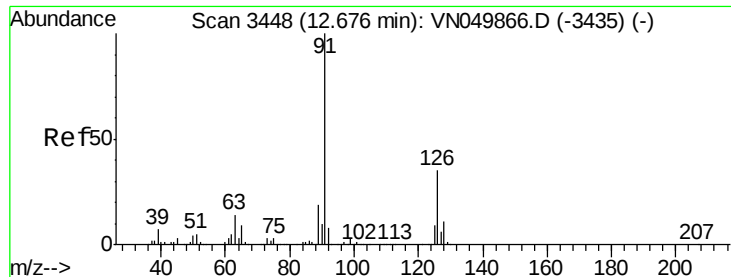
120 22.9 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.65 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

Tot Ion: 91 Resp: 468969

Ion Ratio Lower Upper

91 100

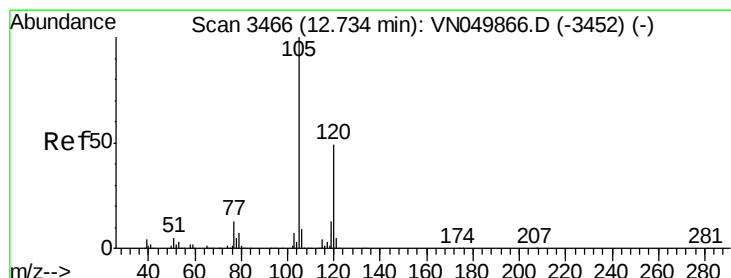
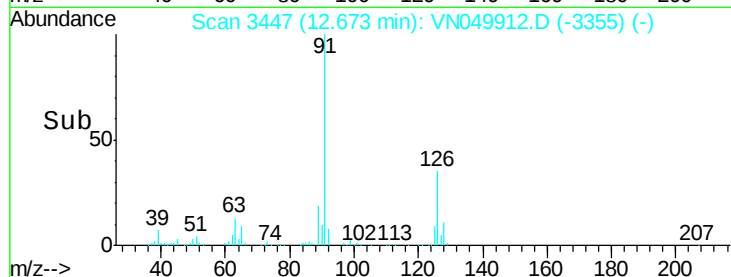
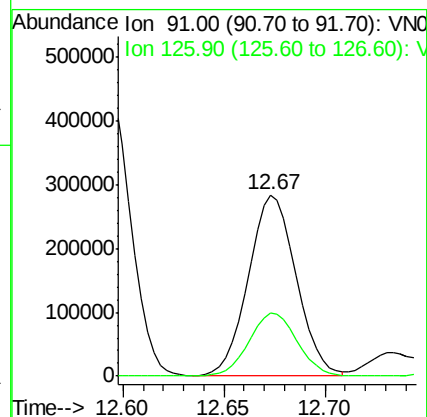
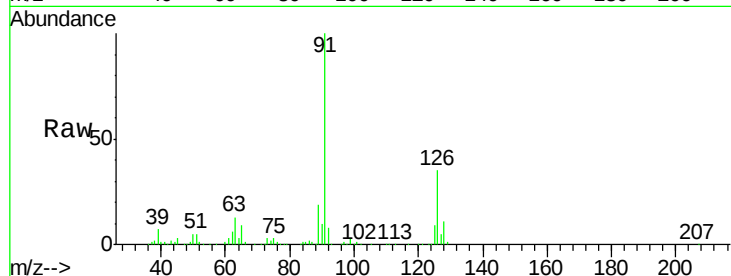
126 35.4 17.5 52.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.35 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049912.D

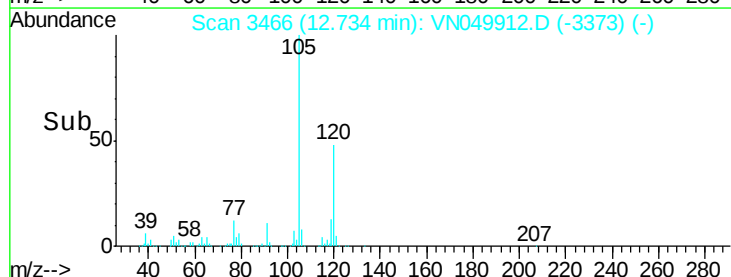
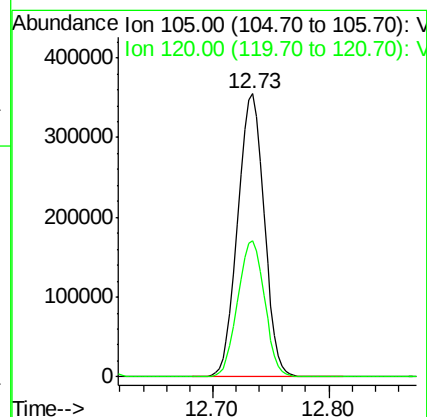
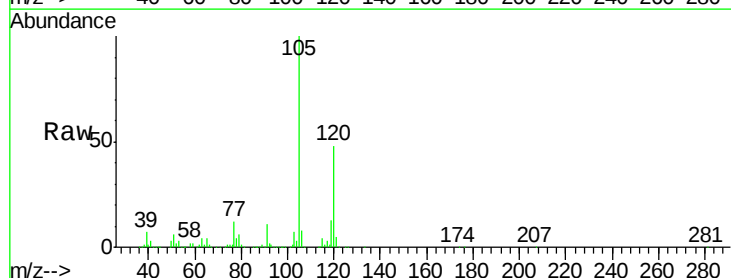
Acq: 19 Jul 2018 13:24

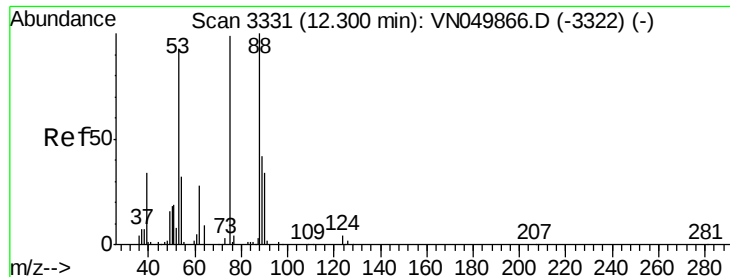
Tgt Ion: 105 Resp: 556759

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.71 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Instrument :

MSVOA_N

ClientSampled :

VN0719WBSD01

Tot Ion: 75 Resp: 45498

Ion Ratio Lower Upper

75 100

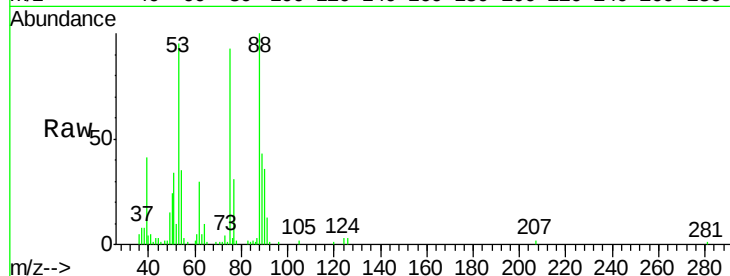
53 97.1 73.9 110.9

89 44.8 35.9 53.9

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

150000

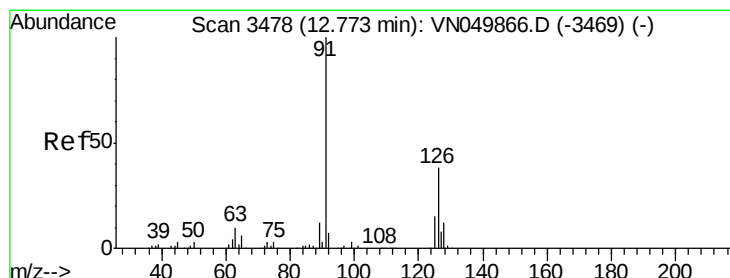
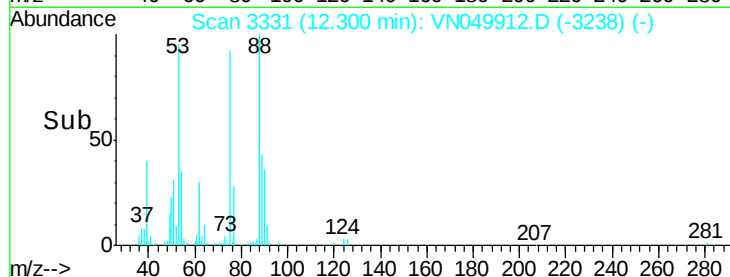
100000

50000

0

12.25 12.30 12.35

Time-->



#82

4-Chlorotoluene

Concen: 21.08 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN049912.D

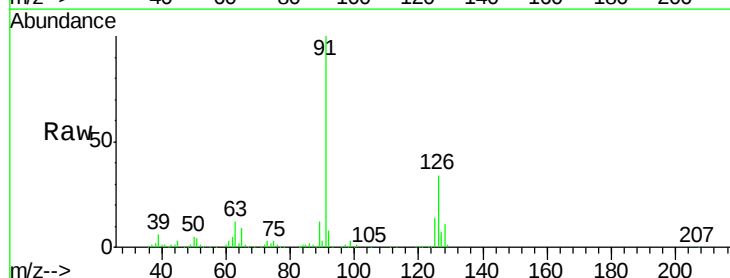
Acq: 19 Jul 2018 13:24

Tgt Ion: 91 Resp: 480372

Ion Ratio Lower Upper

91 100

126 33.9 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

300000

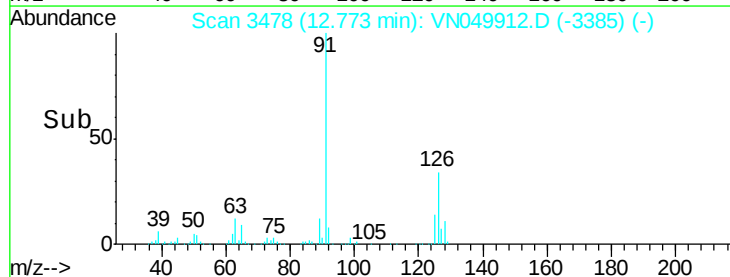
200000

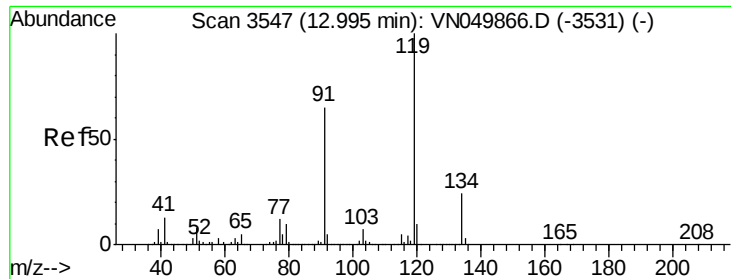
100000

0

12.70 12.75 12.80 12.85

Time-->





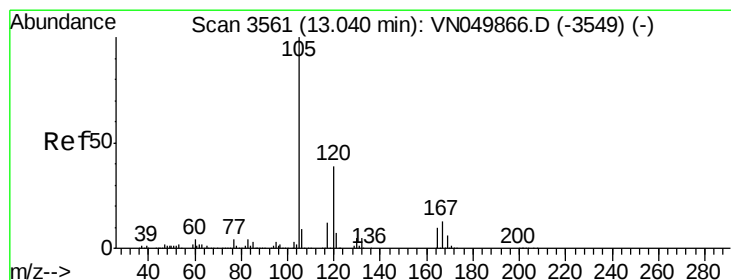
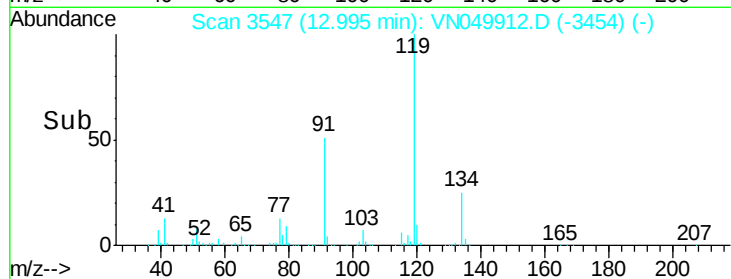
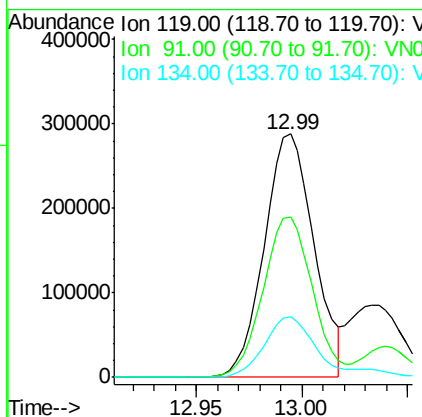
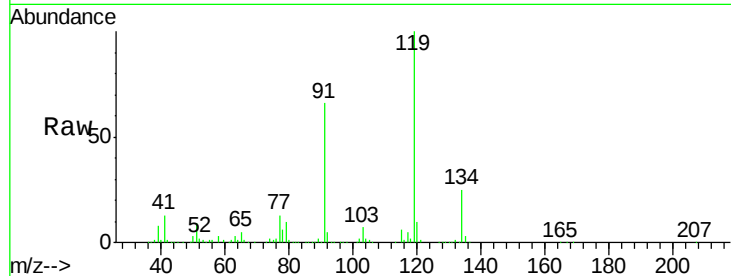
#83
 tert-Butylbenzene
 Concen: 20.56 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	470889		
91	65.3		32.0	96.2
134	25.1		12.8	38.4

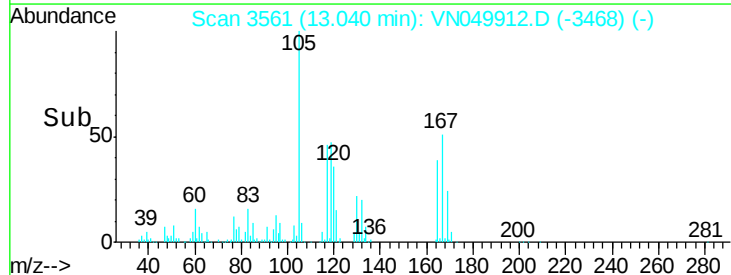
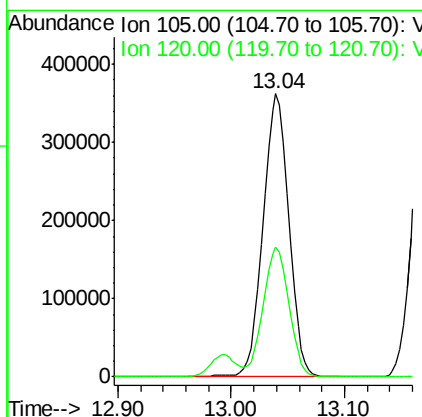
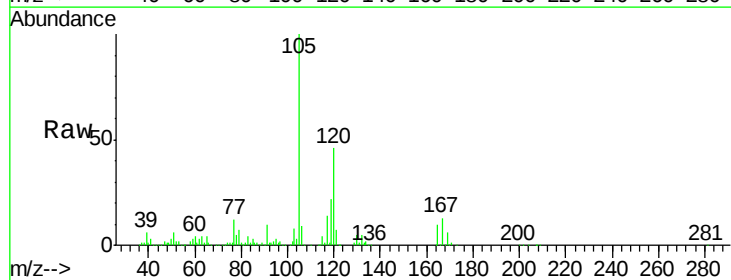
Manual Integrations
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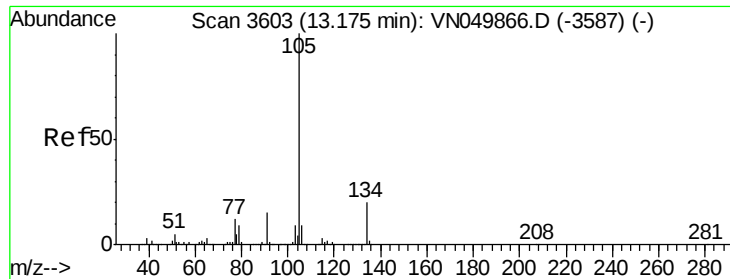
MMDadoda
 7/20/2018 11:08:04 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.69 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	572869		
120	46.0		22.7	68.1





#85

sec-Butylbenzene

Concen: 21.26 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

Tot Ion:105 Resp: 643417

Ion Ratio Lower Upper

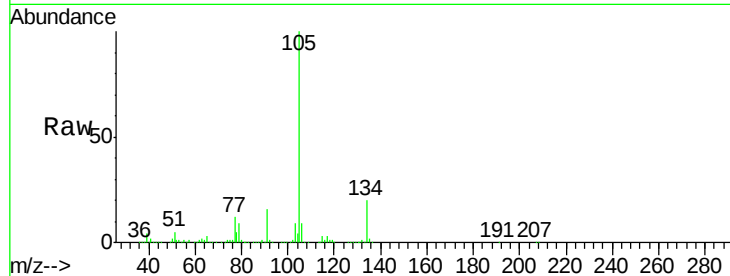
105 100

134 20.1 10.1 30.1

Manual Integrations
APPROVED

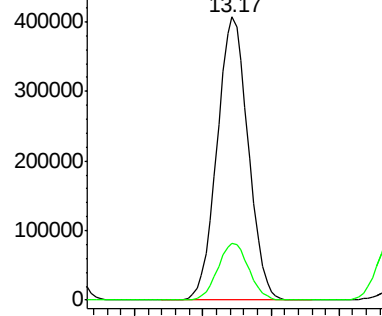
MMDadoda

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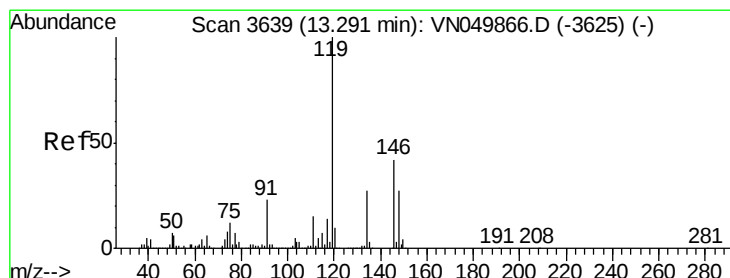
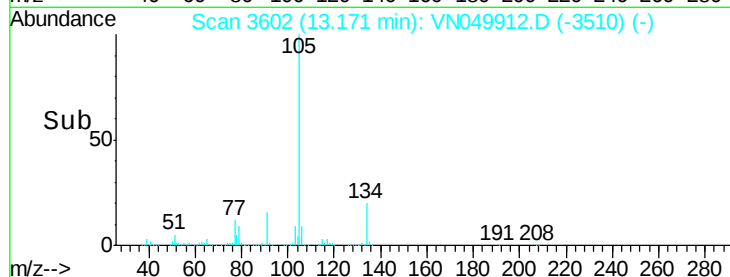


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 21.59 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

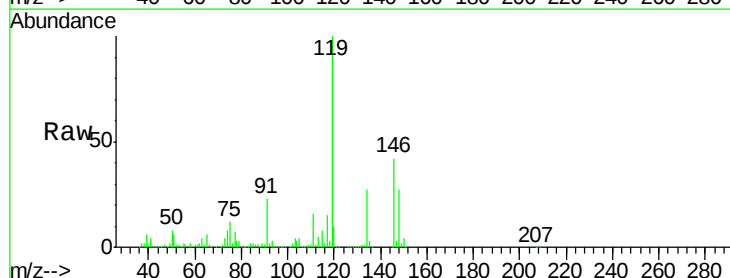
Tgt Ion:119 Resp: 556894

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

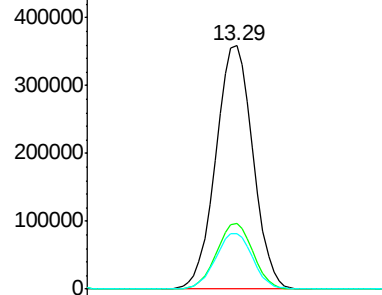
91 22.9 11.4 34.1



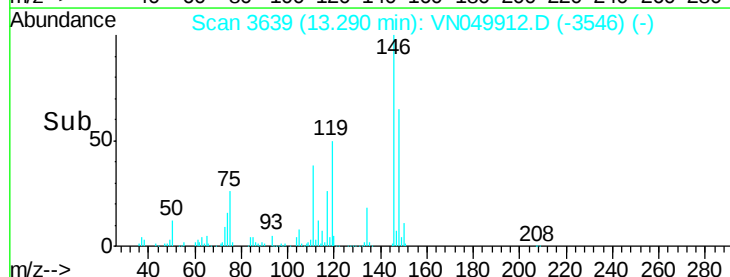
Abundance Ion 119.00 (118.70 to 119.70): V

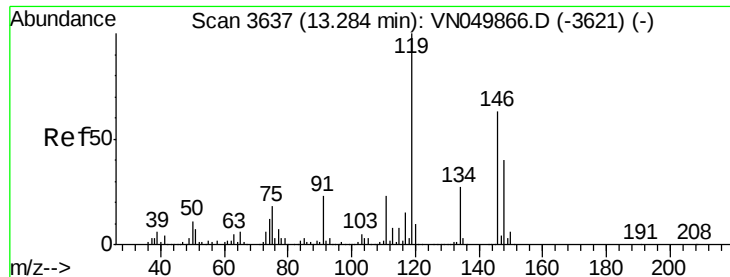
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





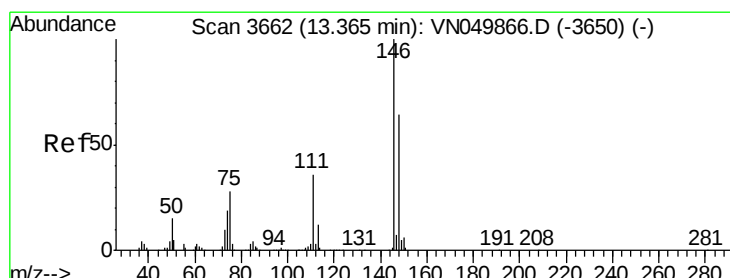
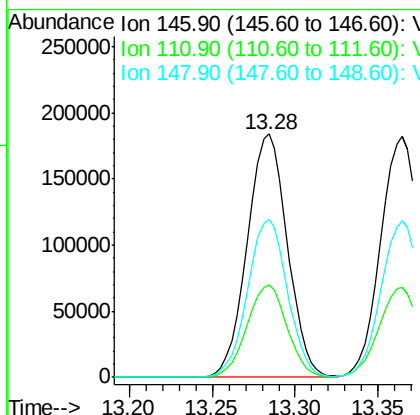
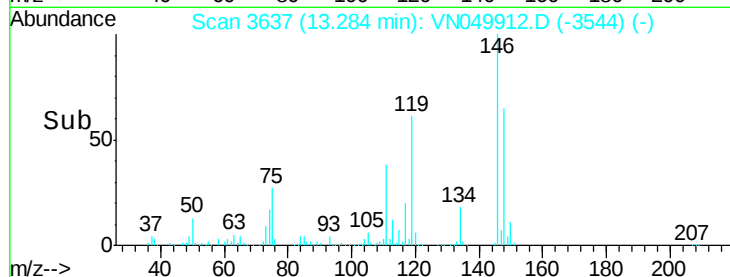
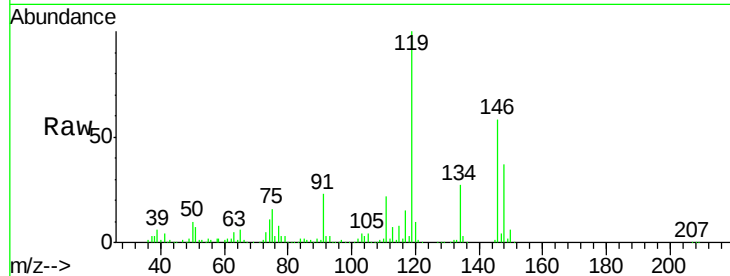
#87
 1,3-Dichlorobenzene
 Concen: 19.81 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.0	57.0
148	64.4	32.5	97.5

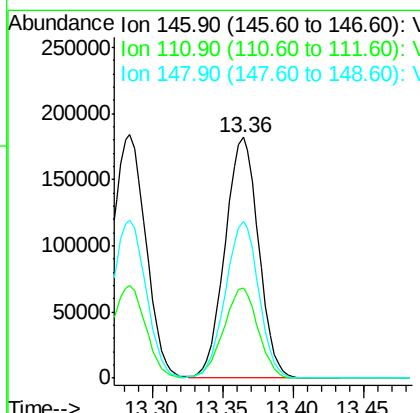
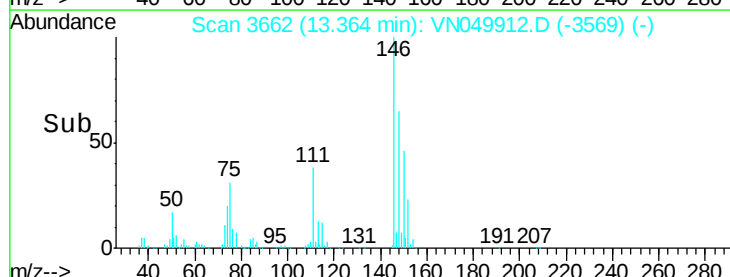
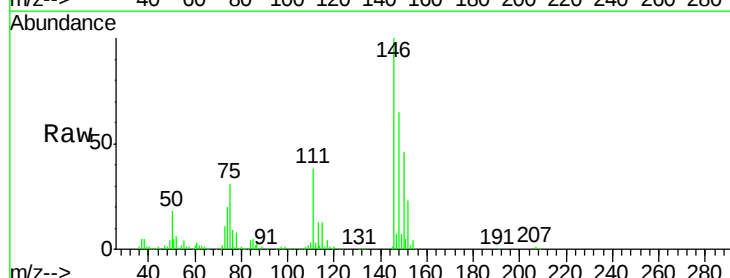
Manual Integrations
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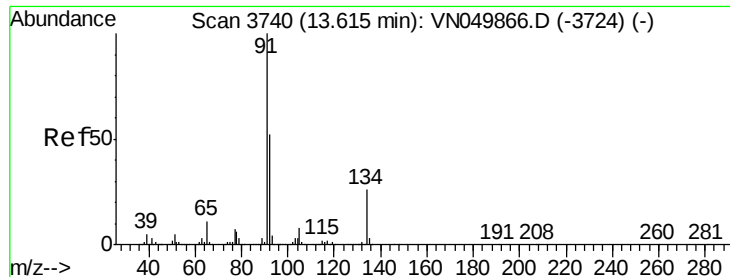
MMDadoda
 7/20/2018 11:08:04 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.28 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.5
148	64.7	32.1	96.3





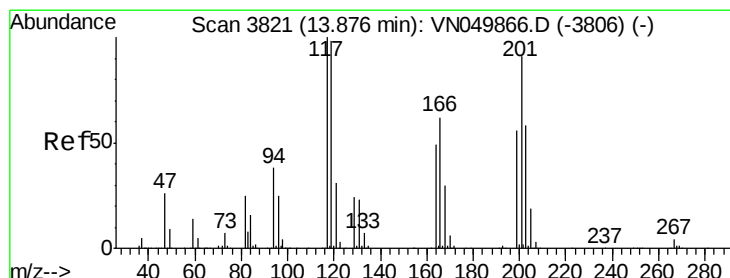
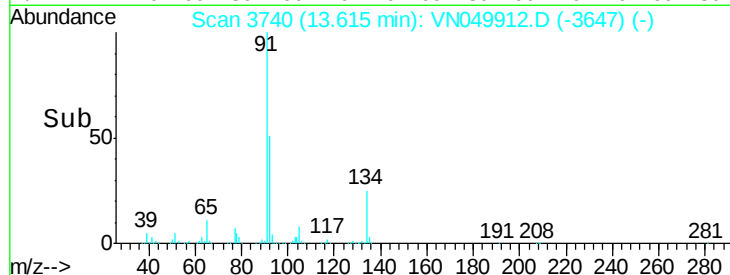
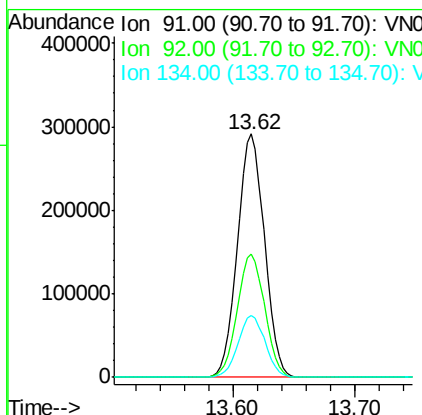
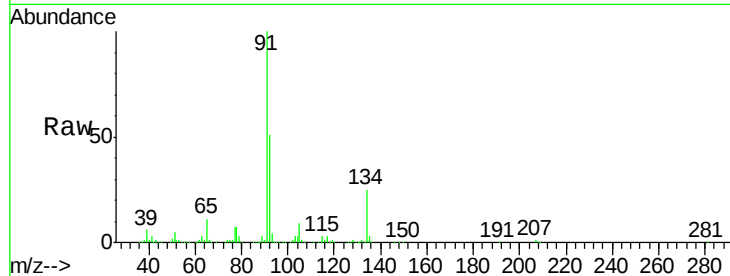
#89
n-Butylbenzene
Concen: 20.94 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.8	77.3
134	25.4	13.0	38.9

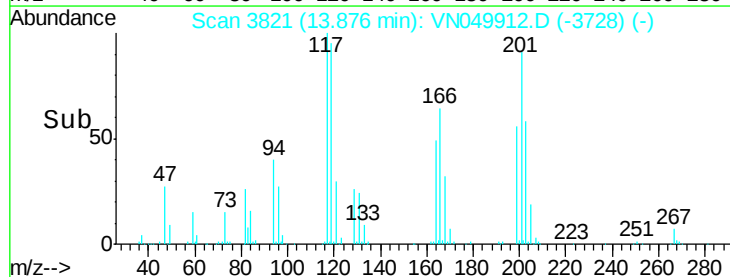
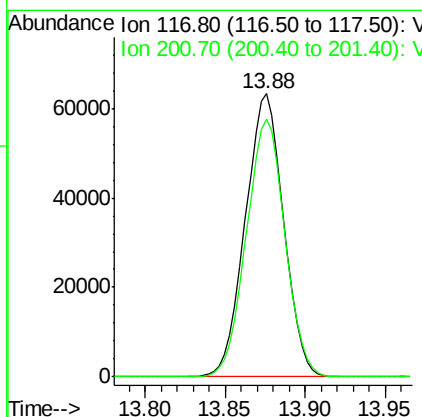
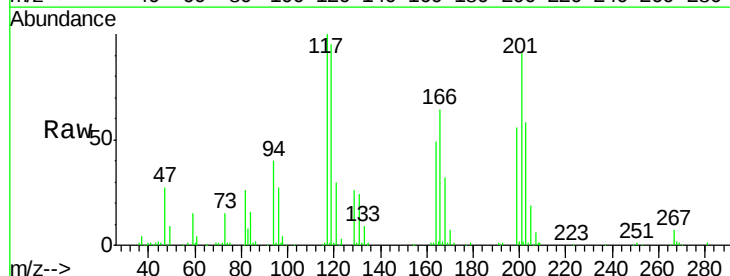
Manual Integrations
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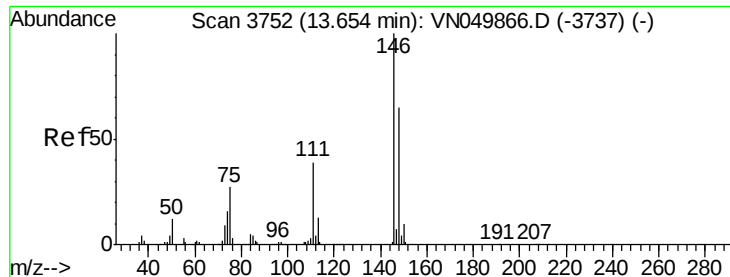
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#90
Hexachloroethane
Concen: 17.91 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN049912.D
Acq: 19 Jul 2018 13:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.9	45.3	135.8





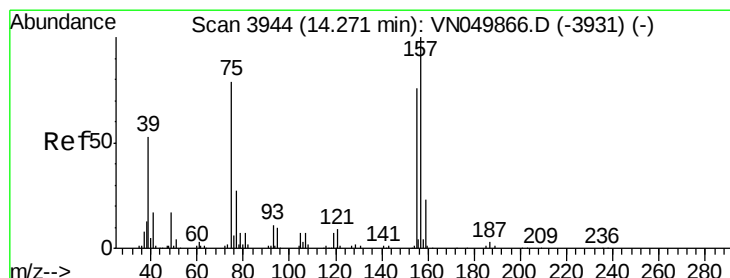
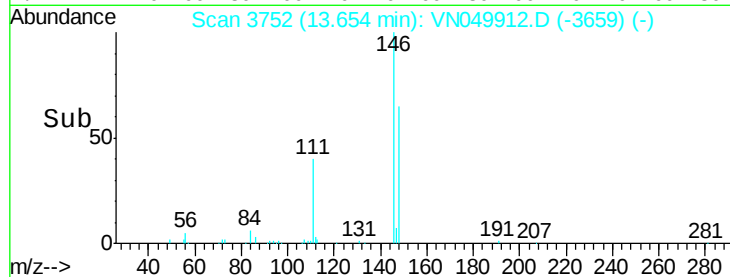
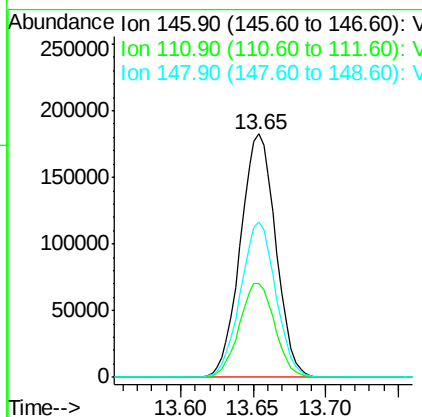
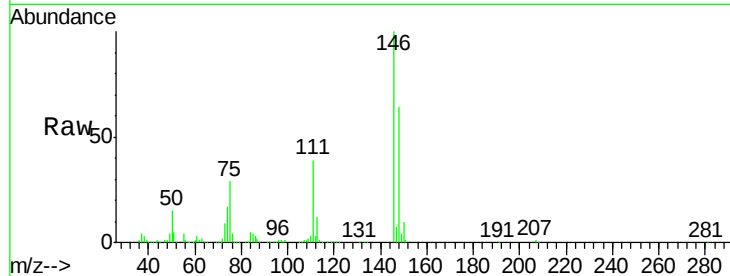
#91
 1,2-Dichlorobenzene
 Concen: 20.11 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.1
148	63.6	32.0	96.2

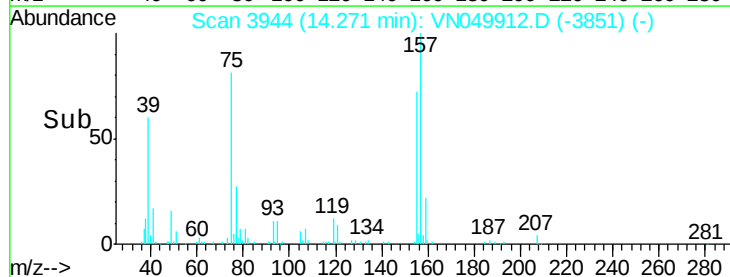
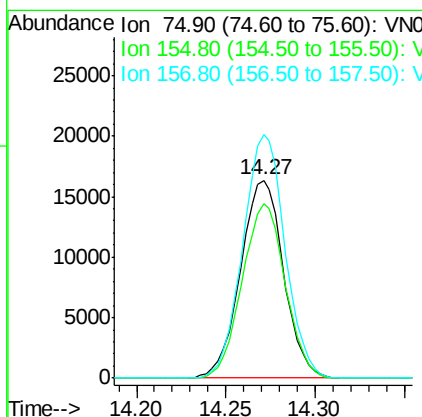
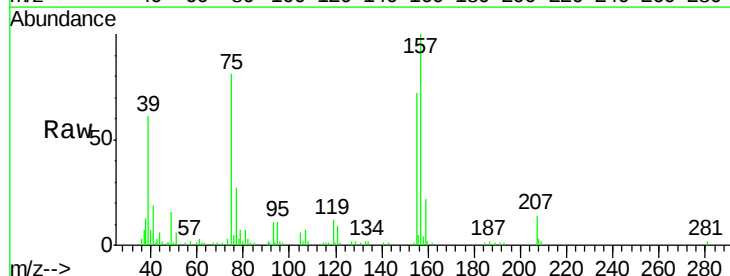
Manual Integrations
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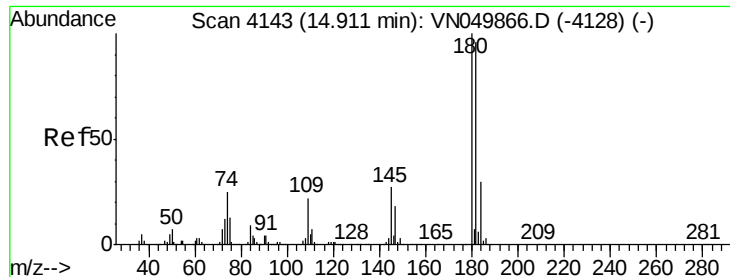
MMDadoda
 7/20/2018 11:08:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.22 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.9	45.7	137.1
157	120.9	56.9	170.7





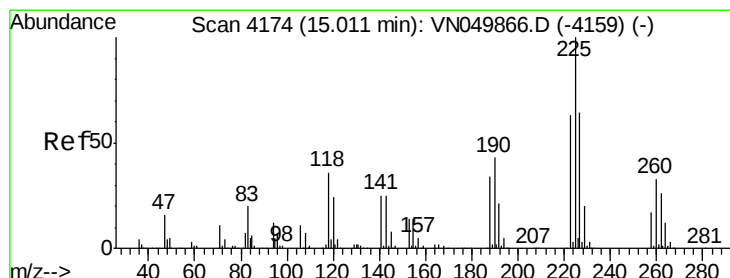
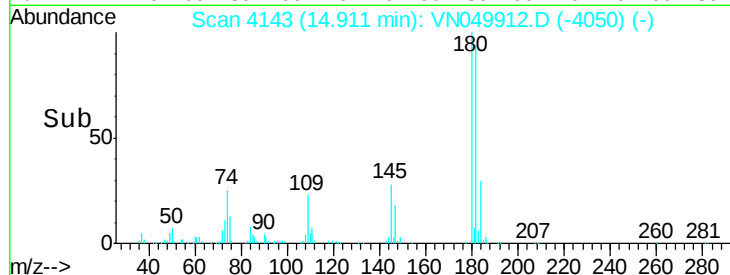
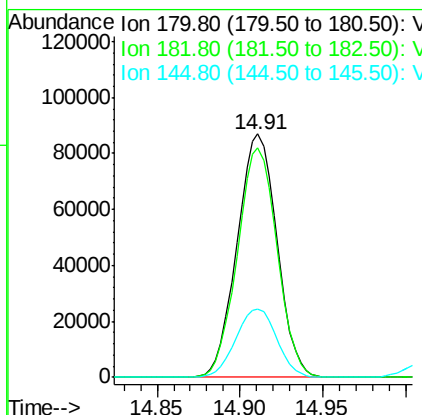
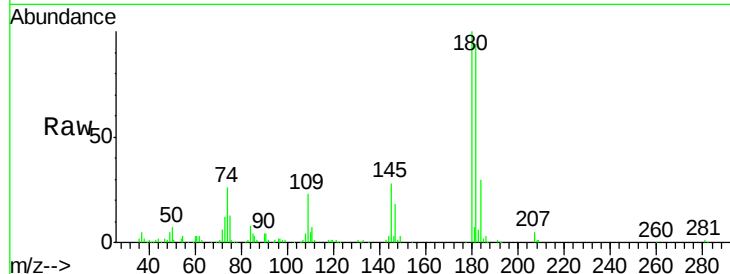
#93
 1,2,4-Trichlorobenzene
 Concen: 19.40 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0719WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	145221		
182	93.8	47.3	141.9	
145	28.9	14.4	43.0	

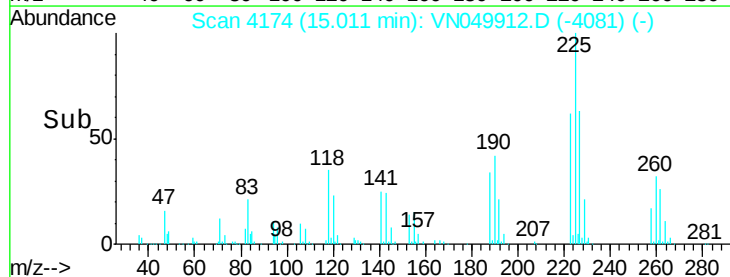
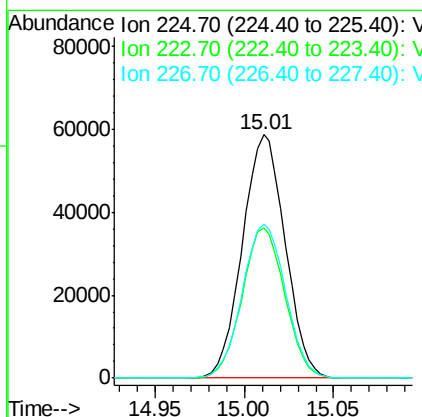
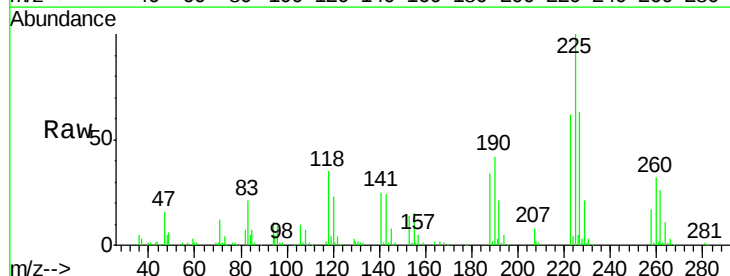
Manual Integrations
 APPROVED

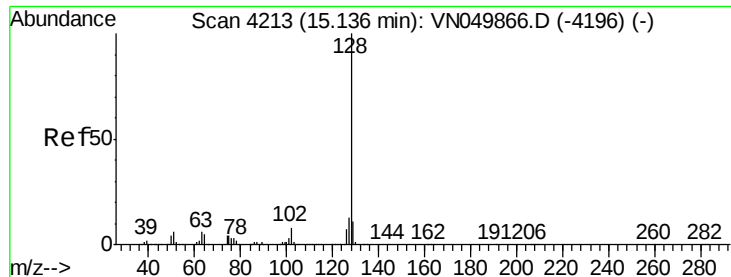
MMDadoda
 7/20/2018 11:08:04 AM



#94
 Hexachlorobutadiene
 Concen: 19.50 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049912.D
 Acq: 19 Jul 2018 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	98342		
223	61.6	30.9	92.7	
227	64.3	31.8	95.4	





#95

Naphthalene

Concen: 18.22 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Instrument :

MSVOA_N

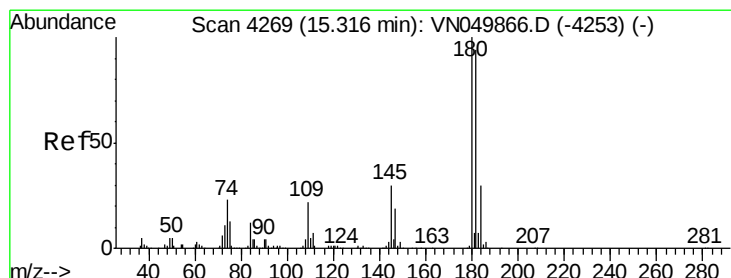
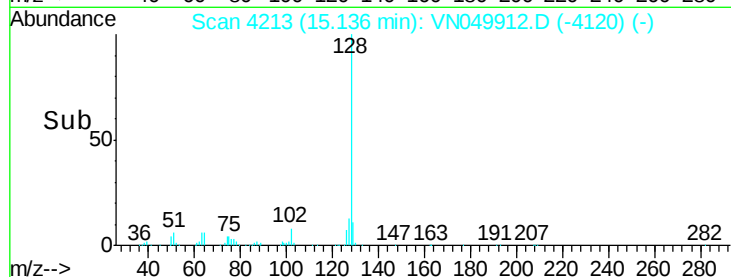
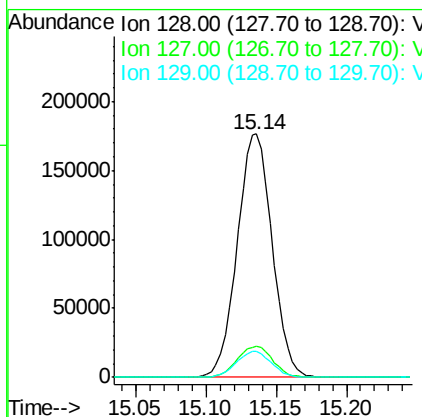
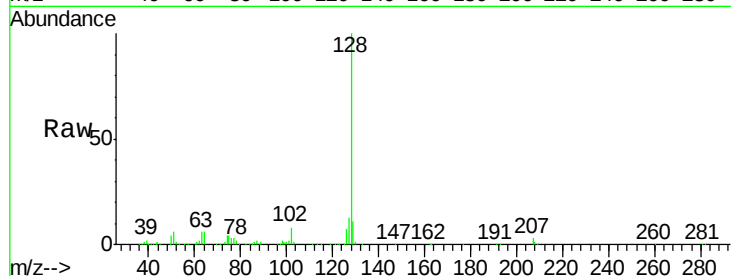
ClientSampleId :

VN0719WBSD01

Tot Ion:	128	Resp:	305962
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 19.74 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049912.D

Acq: 19 Jul 2018 13:24

Tgt Ion:	180	Resp:	145769
Ion Ratio	Lower	Upper	
180	100		
182	97.7	47.4	142.2
145	31.1	15.2	45.6

