

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090418\
 Data File : VN051012.D
 Acq On : 4 Sep 2018 12:13
 Operator : MD\SY
 Sample : VN0904WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0904WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/5/2018 12:00:22 PM

Quant Time: Sep 04 13:24:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	116506	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	628194	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	547424	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	224952	30.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.87%
60) 4-Bromofluorobenzene	12.40	95	238659	29.32	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.73%
63) Toluene-d8	10.09	98	787223	30.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	136246	18.83	ug/l	100
3) Chloromethane	2.06	50	159402	18.66	ug/l	100
4) Vinyl Chloride	2.18	62	160009	18.95	ug/l	98
5) Bromomethane	2.57	94	92072	17.89	ug/l	100
6) Chloroethane	2.70	64	95314	19.14	ug/l	100
7) Trichlorofluoromethane	3.01	101	219292	19.60	ug/l	98
8) Diethyl Ether	3.41	74	73987	18.75	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	135289	19.52	ug/l	99
10) 1,1-Dichloroethene	3.74	96	119555	18.99	ug/l	99
11) Methyl Iodide	3.95	142	88150	15.01	ug/l	98
12) Methyl Acetate	4.33	43	148240	20.36	ug/l	98
13) Acrolein	3.61	56	7782	48.28	ug/l	94
14) Acrylonitrile	5.00	53	220637	89.64	ug/l	97
15) Acetone	3.82	58	52520	83.39	ug/l	97
16) Carbon Disulfide	4.05	76	344749	18.21	ug/l	99
17) Allyl chloride	4.32	41	183850	18.56	ug/l	99
18) Methylene Chloride	4.55	84	142308	19.26	ug/l	96
19) trans-1,2-Dichloroethene	5.04	96	125532	18.72	ug/l	98
20) Diisopropyl ether	5.96	45	405251	19.71	ug/l	98
21) 1,1-Dichloroethane	5.85	63	245104	19.44	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	145552	19.21	ug/l	99
23) tert-Butyl Alcohol	4.80	59	43712	83.51	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	324530	18.85	ug/l	99
25) Chloroform	7.37	83	249394	19.82	ug/l	100
26) Cyclohexane	7.66	56	188916	18.09	ug/l #	100
29) 1,1-Dichloropropene	7.80	75	182699	19.43	ug/l	99
30) 2-Butanone	6.84	43	235731	81.48	ug/l	100
31) 2,2-Dichloropropane	6.83	77	185048	20.22	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	209155	19.61	ug/l	99
33) Carbon Tetrachloride	7.78	117	187502	19.52	ug/l	98
34) Benzene	8.04	78	559702	19.24	ug/l	99
35) Methacrylonitrile	7.18	41	57654	18.19	ug/l	99
36) 1,2-Dichloroethane	8.13	62	173622	19.73	ug/l	100
37) Trichloroethene	8.84	130	145503	19.13	ug/l	99
38) Methylcyclohexane	9.08	83	179766	17.80	ug/l	99
39) 1,2-Dichloropropane	9.12	63	150194	19.77	ug/l	97
40) Dibromomethane	9.21	93	88079	19.24	ug/l	98

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Quant Time: Sep 04 13:24:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.41	83	187798	19.46	ug/l	99
42) Vinyl Acetate	5.90	43	1176374	88.28	ug/l	100
43) Ethyl Acetate	6.93	43	103742	17.50	ug/l	97
44) Isopropyl Acetate	8.17	43	185376	17.73	ug/l	98
45) 1,4-Dioxane	9.20	88	26996	347.49	ug/l	98
46) Methyl methacrylate	9.20	41	90452	17.27	ug/l	95
47) n-amyl Acetate	12.07	43	131748	15.67	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	171985	18.18	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	202449	18.63	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	127590	19.18	ug/l	97
51) Ethyl methacrylate	10.43	69	140445	17.26	ug/l	97
52) 1,3-Dichloropropane	10.71	76	211156	19.17	ug/l	100
53) Dibromochloromethane	10.90	129	143682	19.00	ug/l	98
54) 1,2-Dibromoethane	11.01	107	120344	18.30	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	282506	83.44	ug/l	99
56) Bromoform	12.13	173	96434	17.93	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	543741	86.81	ug/l	99
59) 2-Hexanone	10.75	43	335302	81.90	ug/l	99
61) Tetrachloroethene	10.63	164	133322	19.54	ug/l	96
62) Toluene	10.16	91	603074	19.75	ug/l	100
64) Chlorobenzene	11.44	112	362243	19.14	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	140969	19.73	ug/l	99
66) Ethyl Benzene	11.51	91	584783	18.49	ug/l	100
67) m/p-Xylenes	11.62	106	468687	38.51	ug/l	99
68) o-Xylene	11.95	106	222335	19.12	ug/l	100
69) Styrene	11.96	104	343607	18.58	ug/l	100
70) Isopropylbenzene	12.25	105	593173	19.19	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	155199	18.55	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	115851m	16.05	ug/l	
73) Bromobenzene	12.53	156	152112	18.71	ug/l	99
74) n-propylbenzene	12.59	91	652998	18.69	ug/l	100
75) 2-Chlorotoluene	12.67	91	404543	19.06	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	490412	19.42	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	33051	16.07	ug/l	97
78) 4-Chlorotoluene	12.77	91	387832	18.56	ug/l	99
79) tert-butylbenzene	12.99	119	411789	18.78	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	481979	19.14	ug/l	99
81) sec-Butylbenzene	13.17	105	537601	18.73	ug/l	99
82) p-Isopropyltoluene	13.29	119	458168	18.50	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	246776	17.95	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	231019	17.74	ug/l	99
85) n-Butylbenzene	13.62	91	317501	16.80	ug/l	99
86) Hexachloroethane	13.87	117	89306	18.78	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	249914	18.47	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20850	17.81	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	86804	14.41	ug/l	100
90) Hexachlorobutadiene	15.01	225	80038	19.56	ug/l	99
91) Naphthalene	15.13	128	162510	17.21	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	94086	15.57	ug/l	99

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Instrument :
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ClientSampleId :
VN0904WBSD02

Manual Integrations
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Quant Time: Sep 04 13:24:32 2018
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

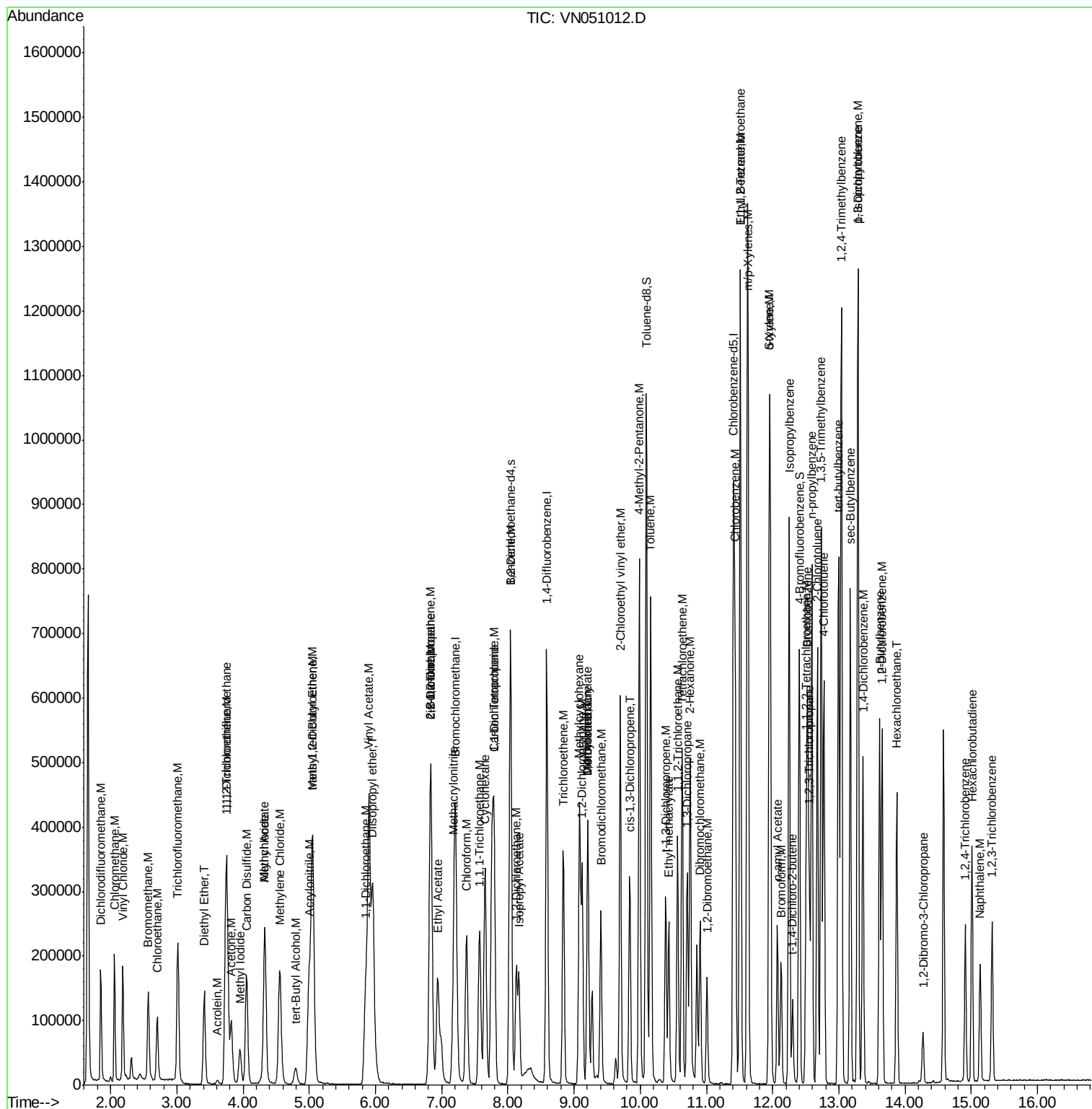
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090418\
Data File : VN051012.D
Acq On : 4 Sep 2018 12:13
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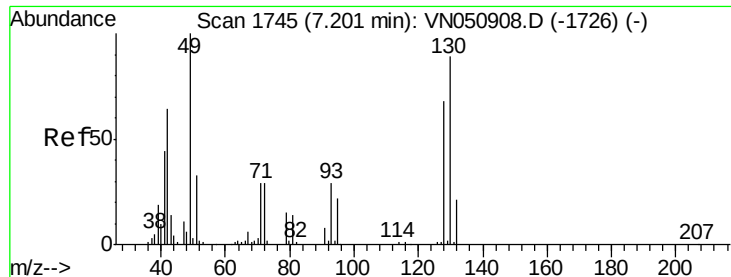
Instrument :
MSVOA_N
Client Sample Id :
VN0904WBSD02

Manual Integrations
APPROVED

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9/5/2018 12:00:22 PM

Quant Time: Sep 04 13:24:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
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QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

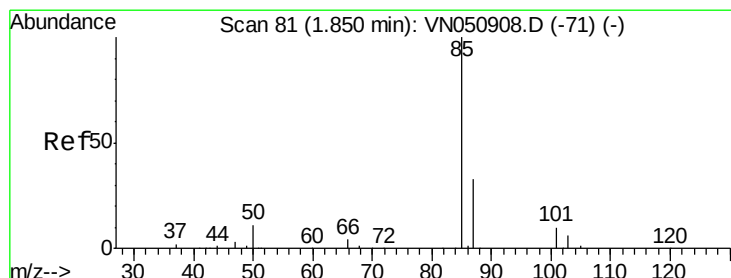
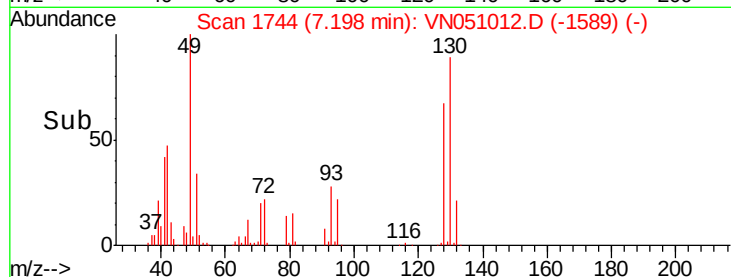
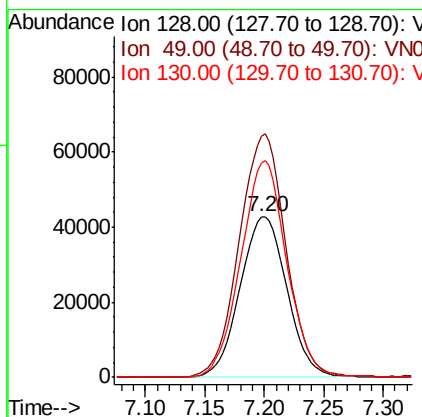
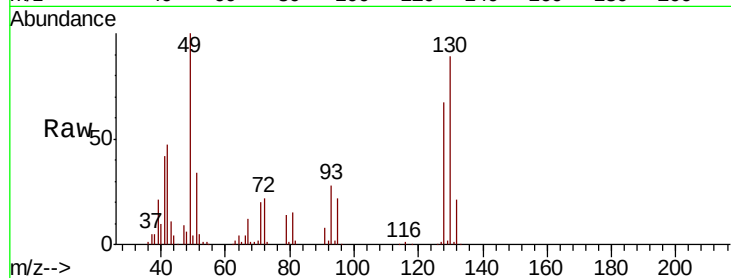
ClientSampleId :

VN0904WBSD02

Tot Ion:	128	Resp:	116506
Ion	Ratio	Lower	Upper
128	100		
49	151.5	0.0	380.3
130	132.8	0.0	325.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 18.83 ug/l

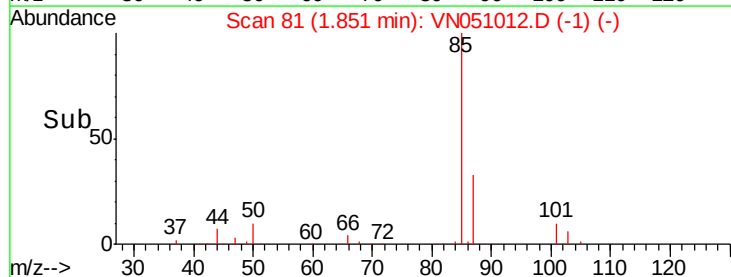
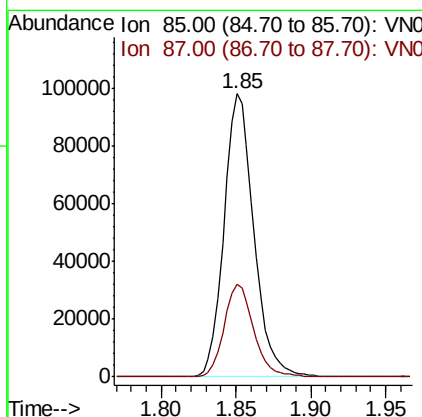
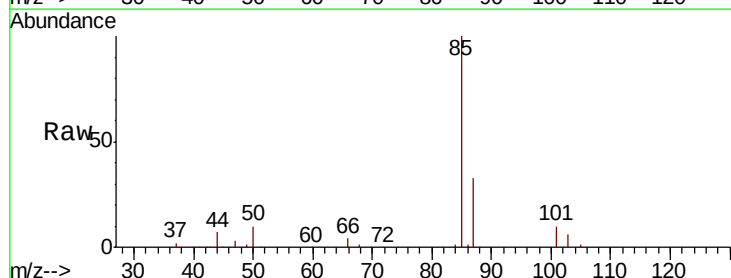
RT: 1.85 min Scan# 81

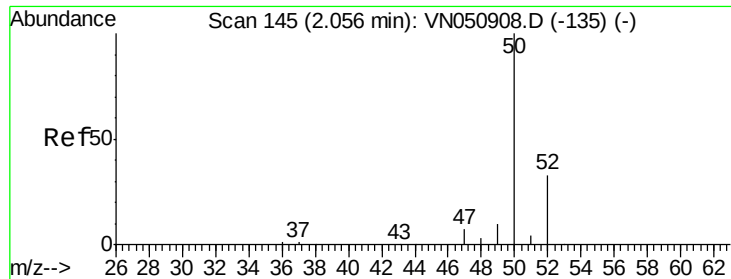
Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Tgt Ion:	85	Resp:	136246
Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.4	49.1





#3

Chloromethane

Concen: 18.66 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBSD02

Tot Ion: 50 Resp: 159402

Ion Ratio Lower Upper

50 100

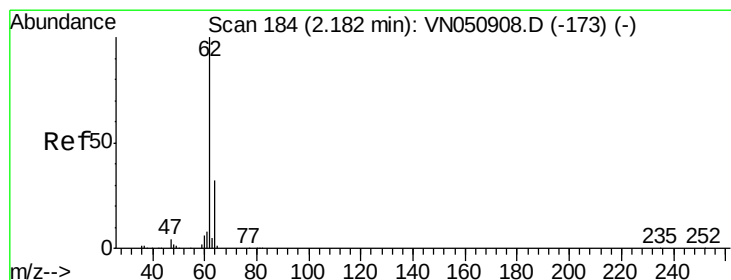
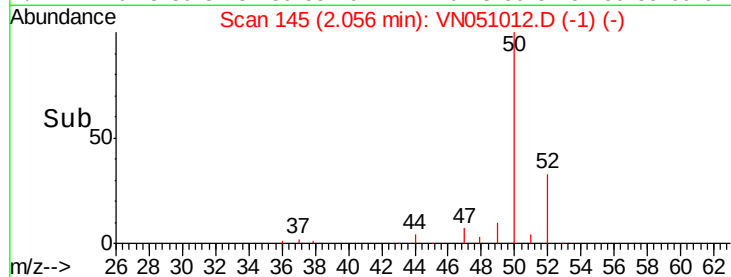
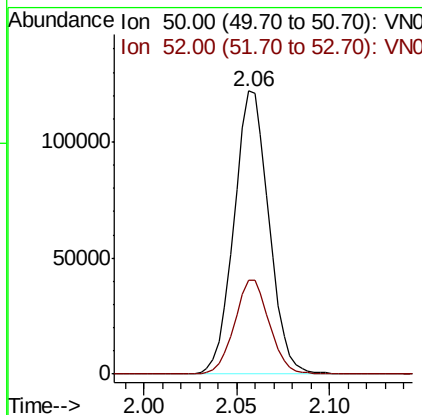
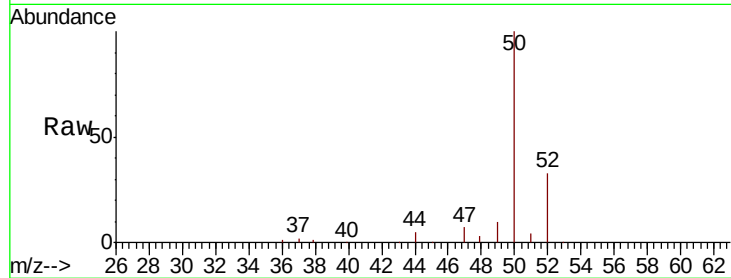
52 33.1 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.95 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN051012.D

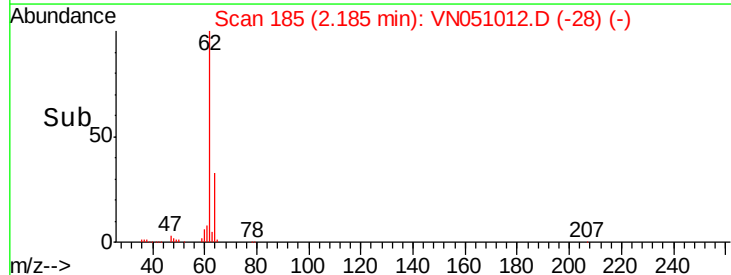
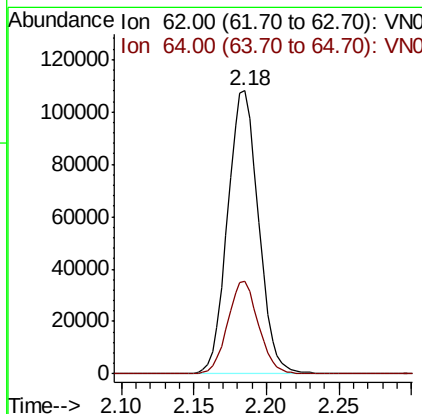
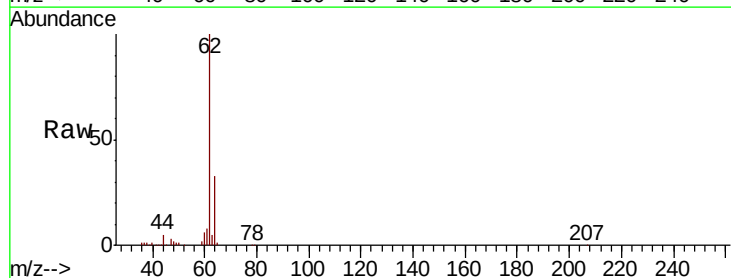
Acq: 4 Sep 2018 12:13

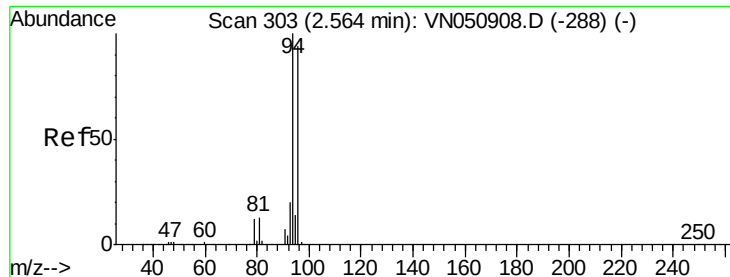
Tgt Ion: 62 Resp: 160009

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0





#5

Bromomethane

Concen: 17.89 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBSD02

Tot Ion: 94 Resp: 92072

Ion Ratio Lower Upper

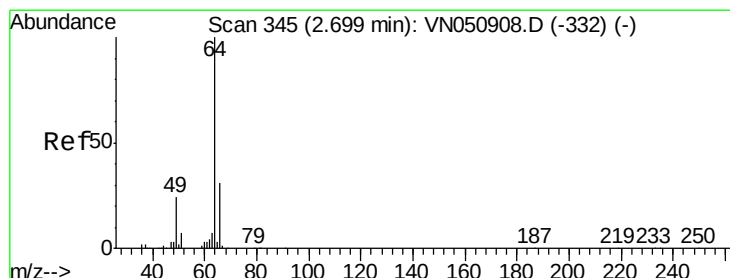
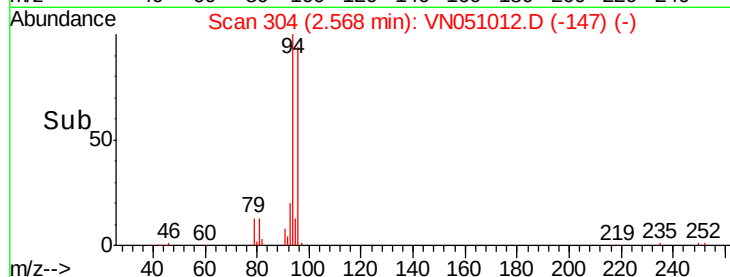
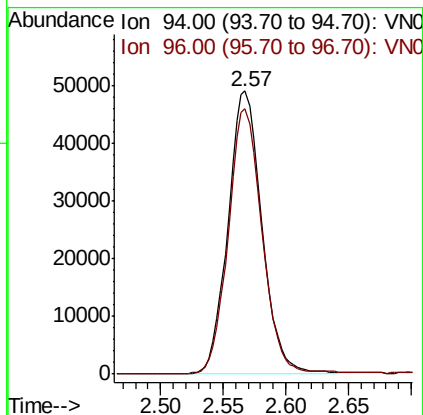
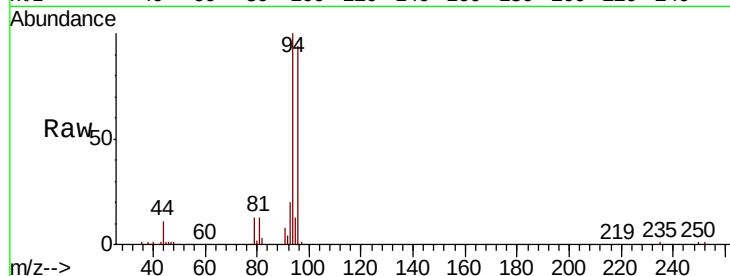
94 100

96 93.6 74.9 112.3

Manual Integrations
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#6

Chloroethane

Concen: 19.14 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN051012.D

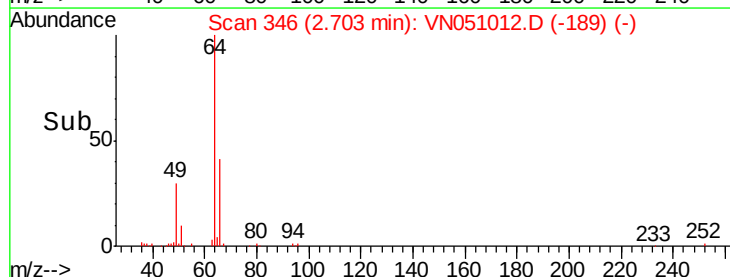
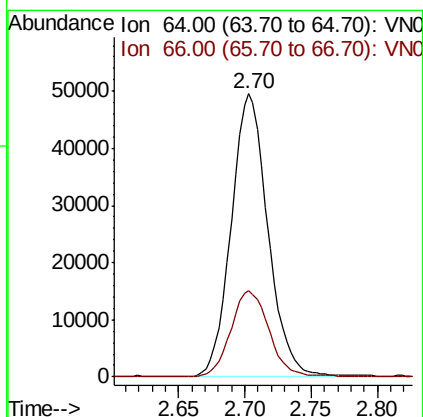
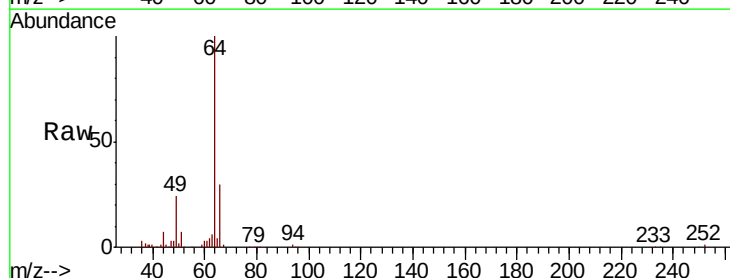
Acq: 4 Sep 2018 12:13

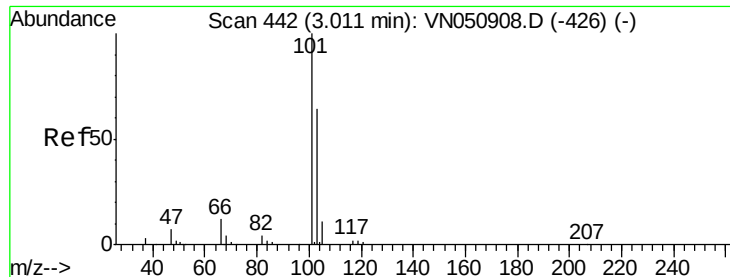
Tgt Ion: 64 Resp: 95314

Ion Ratio Lower Upper

64 100

66 30.5 24.5 36.7





#7

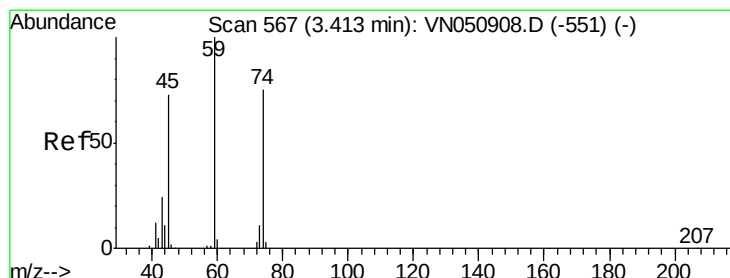
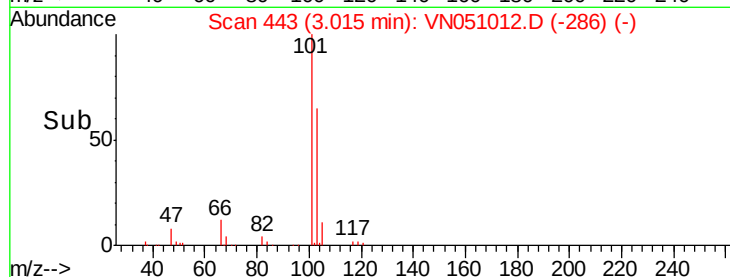
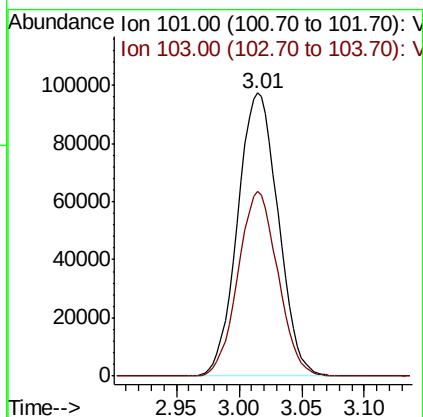
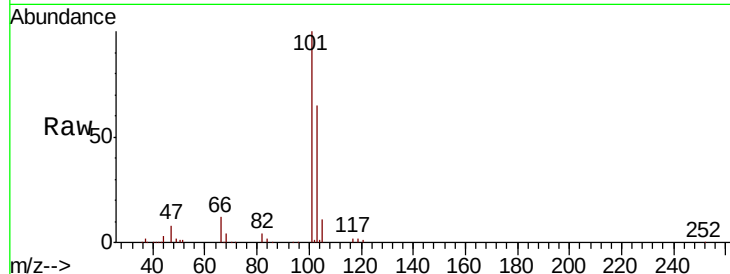
Trichlorofluoromethane
 Concen: 19.60 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Instrument :
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 VN0904WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	101	100	219292		
103	103	65.4	51.3	76.9	

Manual Integrations
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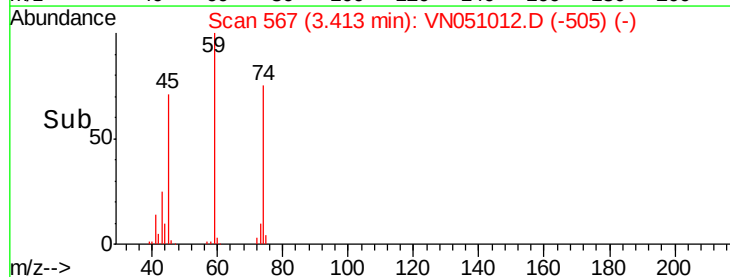
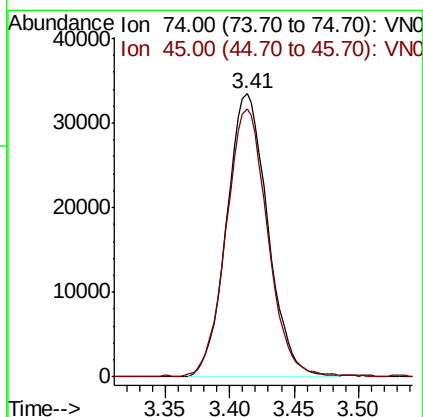
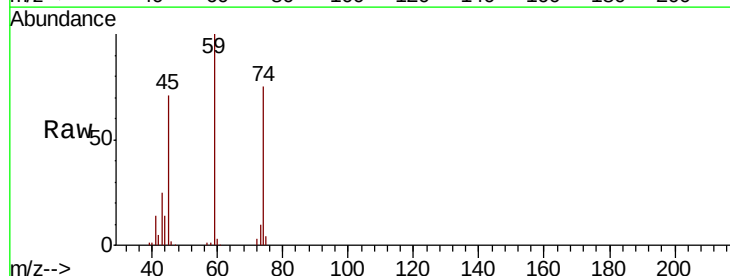
MMDadoda
 9/5/2018 12:00:22 PM

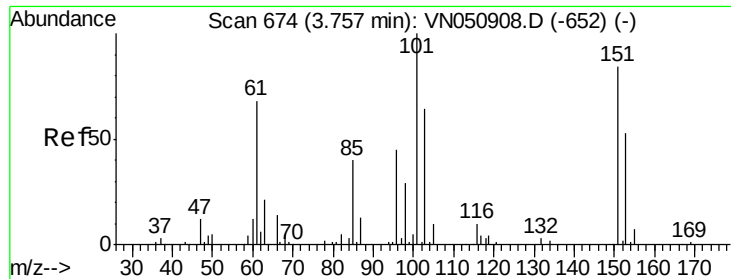


#8

Diethyl Ether
 Concen: 18.75 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	74	100	73987		
45	45	95.5	19.7	177.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.52 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

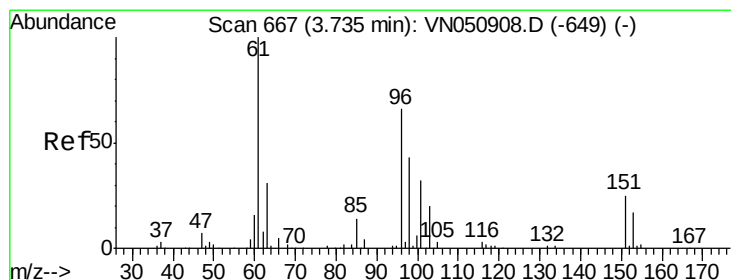
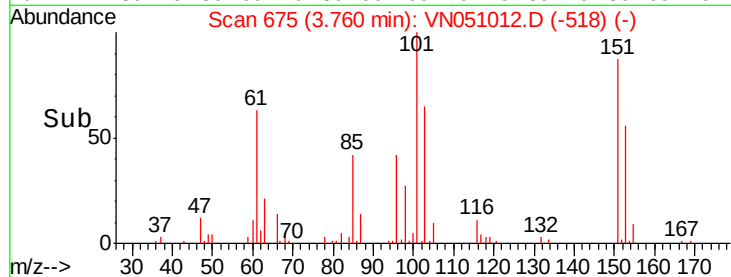
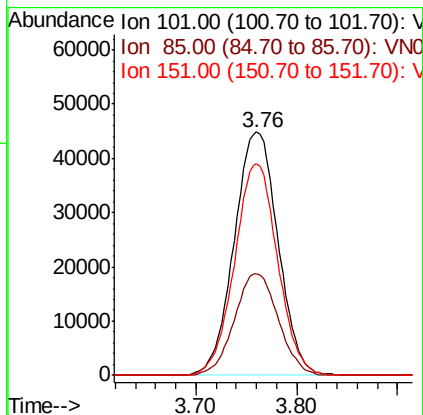
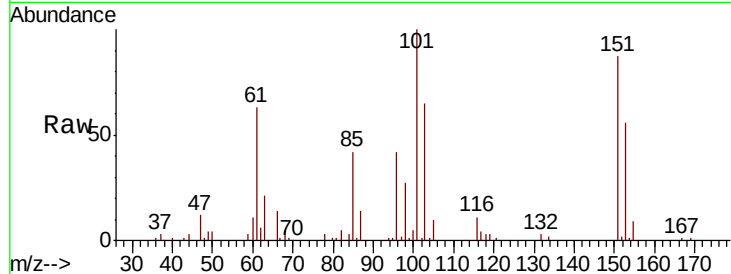
ClientSampleId :

VN0904WBSD02

Tot Ion:	101	Resp:	135289
Ion Ratio	Lower	Upper	
101	100		
85	41.8	0.0	83.6
151	85.4	0.0	167.0

Manual Integrations
APPROVED

MMDadoda
9/5/2018 12:00:22 PM



#10

1,1-Dichloroethene

Concen: 18.99 ug/l

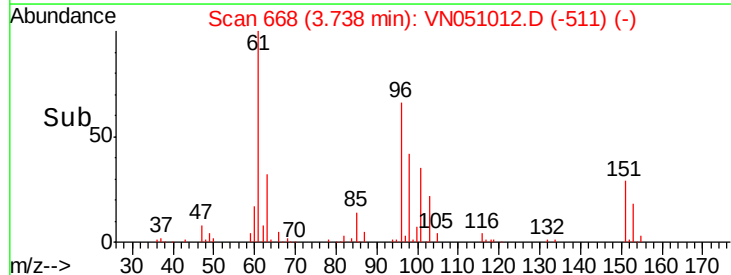
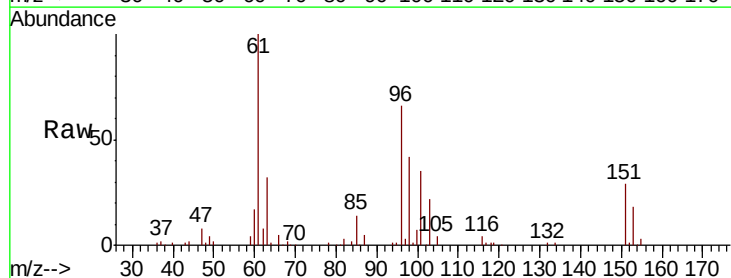
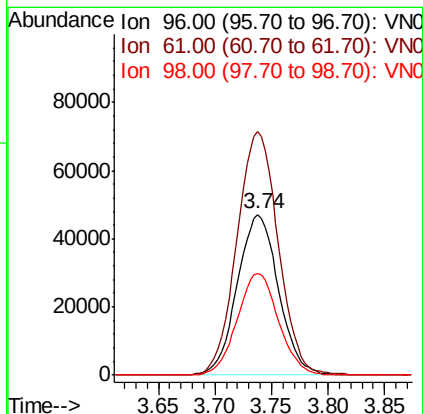
RT: 3.74 min Scan# 668

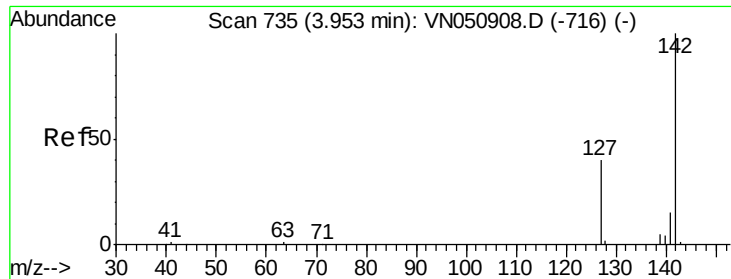
Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Tgt Ion:	96	Resp:	119555
Ion Ratio	Lower	Upper	
96	100		
61	151.7	121.8	182.8
98	63.3	52.3	78.5





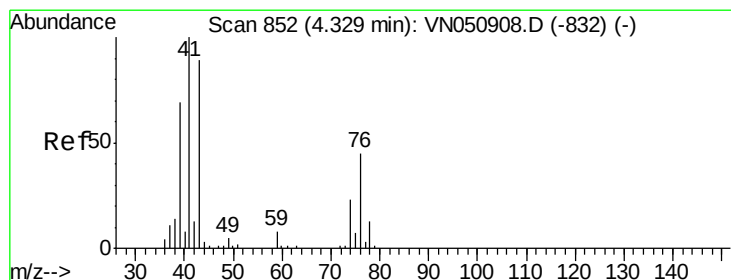
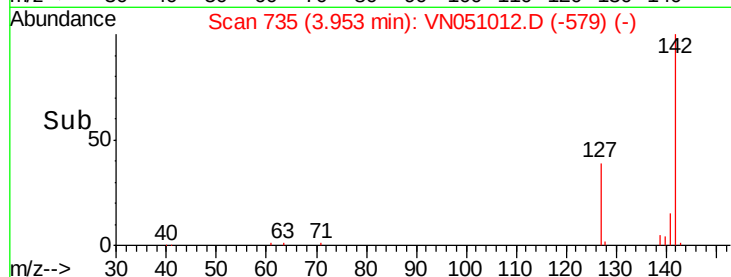
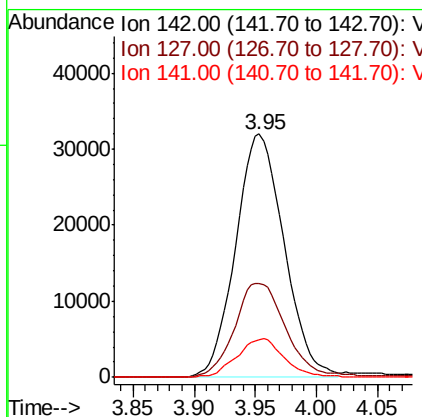
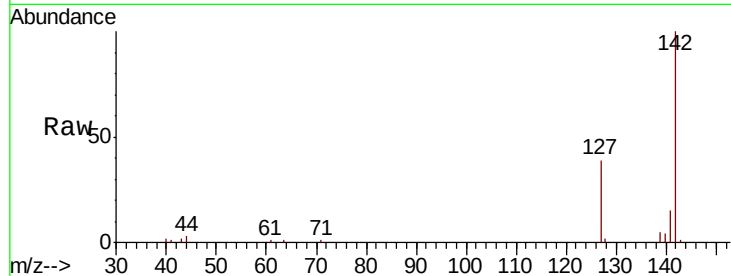
#11
Methyl Iodide
Concen: 15.01 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBSD02

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.2	19.7	59.1
141	15.3	7.3	22.0

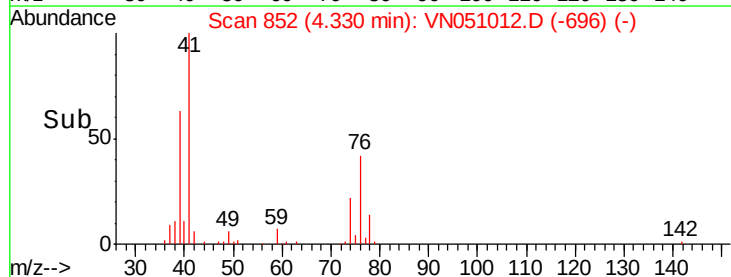
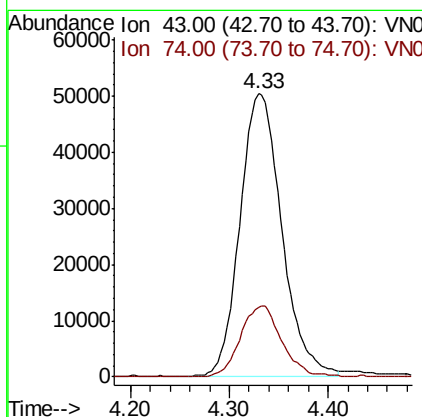
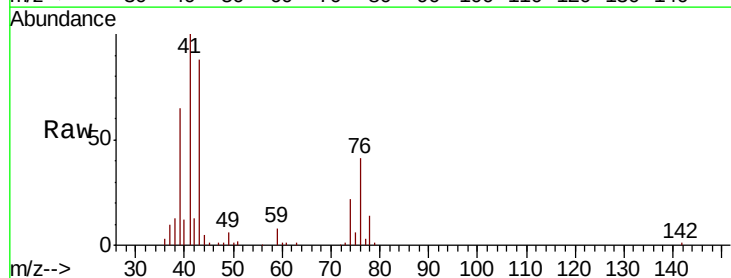
Manual Integrations
APPROVED

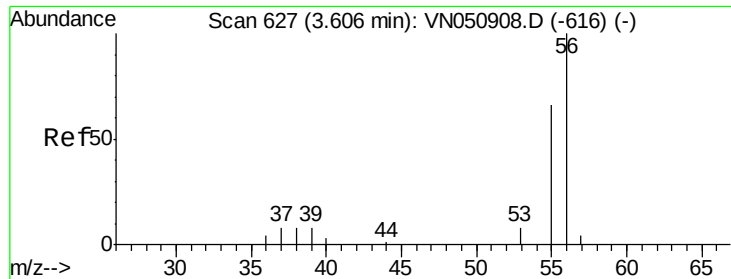
MMDadoda
9/5/2018 12:00:22 PM



#12
Methyl Acetate
Concen: 20.36 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	20.6	31.0





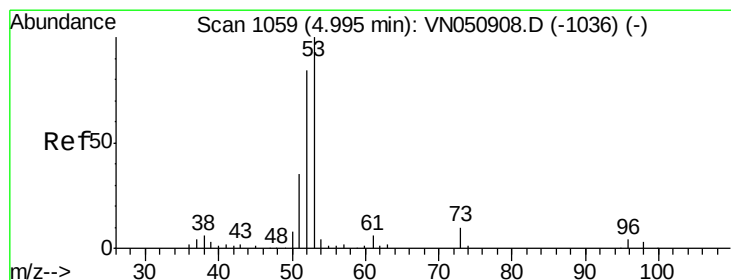
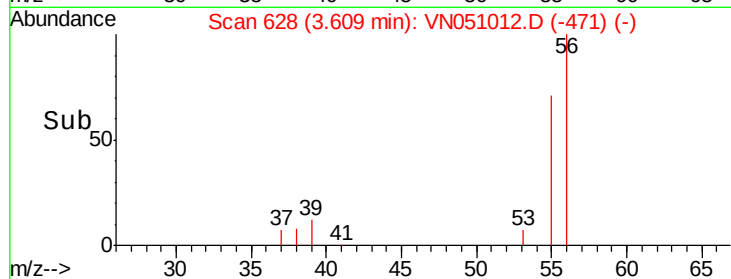
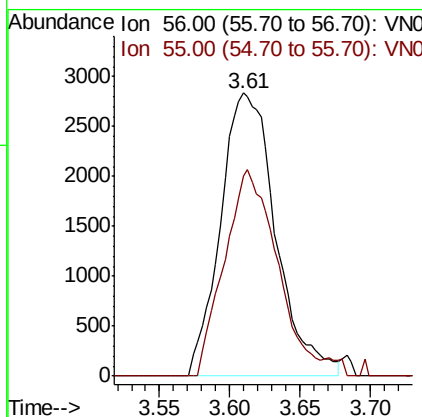
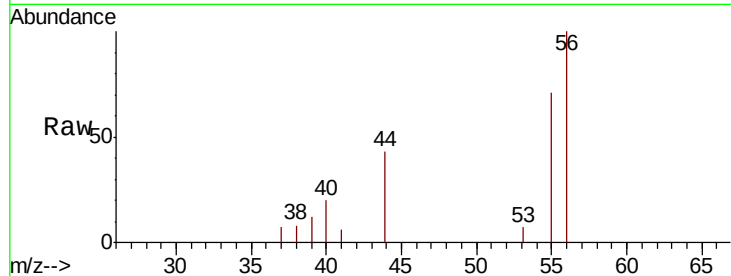
#13
 Acrolein
 Concen: 48.28 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBSD02

Tot Ion: 56 Resp: 7782
 Ion Ratio Lower Upper
 56 100
 55 69.0 59.1 88.7

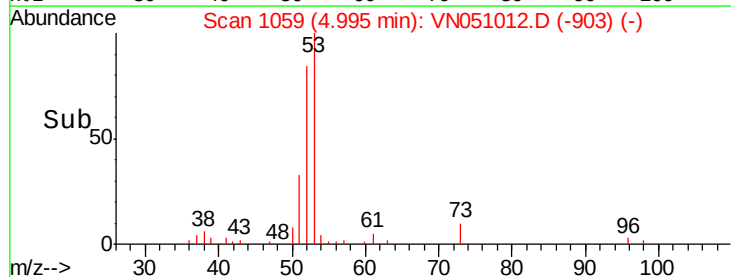
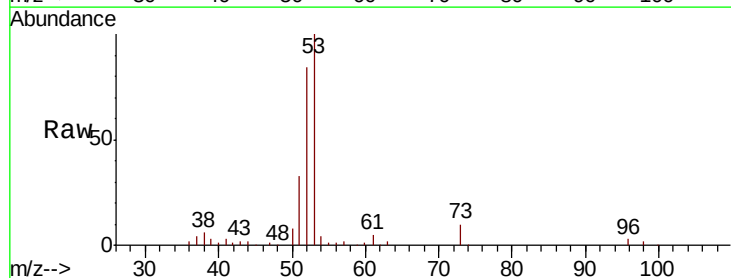
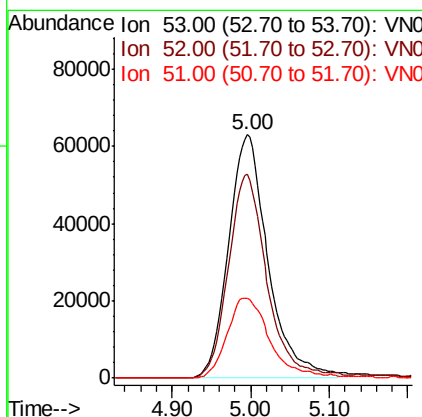
Manual Integrations
 APPROVED

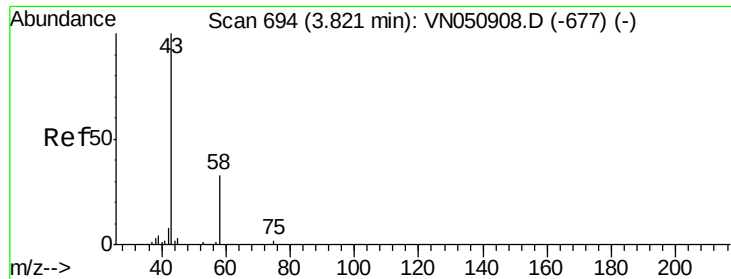
MMDadoda
 9/5/2018 12:00:22 PM



#14
 Acrylonitrile
 Concen: 89.64 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Tgt Ion: 53 Resp: 220637
 Ion Ratio Lower Upper
 53 100
 52 81.0 42.2 126.6
 51 34.6 17.7 53.1





#15

Acetone

Concen: 83.39 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBSD02

Tot Ion: 58 Resp: 52520

Ion Ratio Lower Upper

58 100

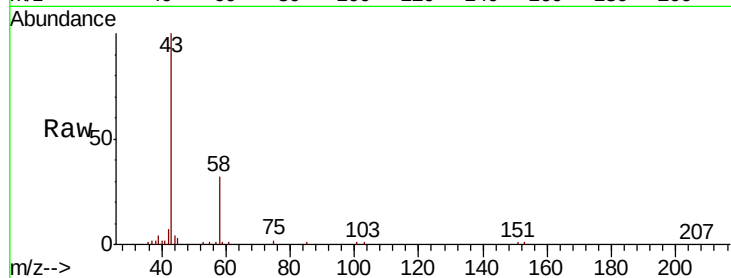
43 305.5 239.4 359.0

Manual Integrations

APPROVED

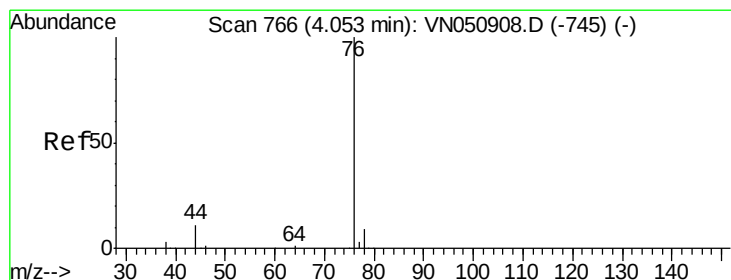
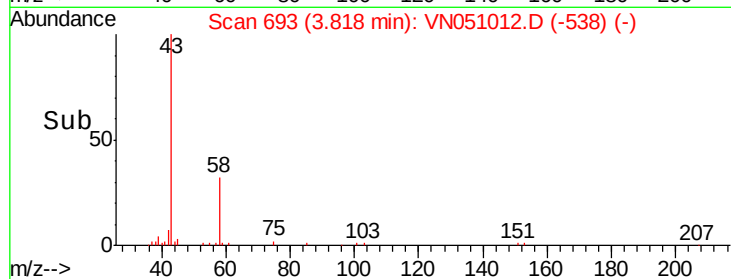
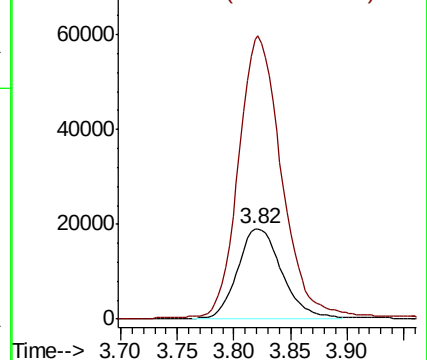
MMDadoda

9/5/2018 12:00:22 PM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.21 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN051012.D

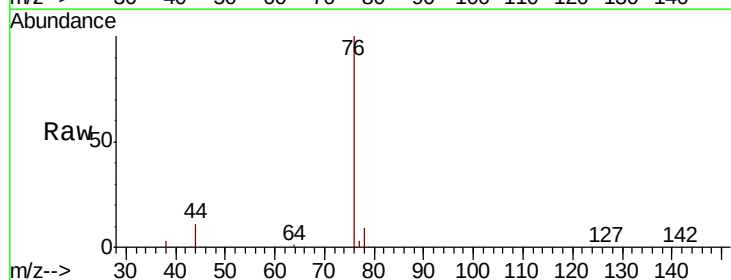
Acq: 4 Sep 2018 12:13

Tgt Ion: 76 Resp: 344749

Ion Ratio Lower Upper

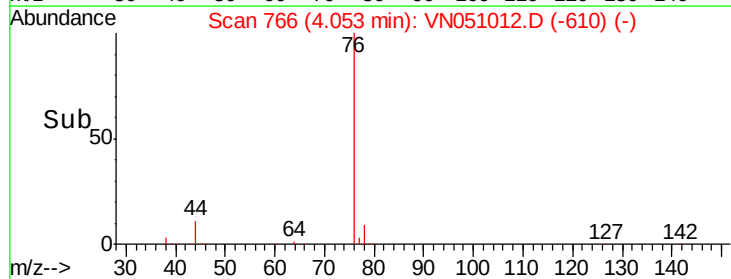
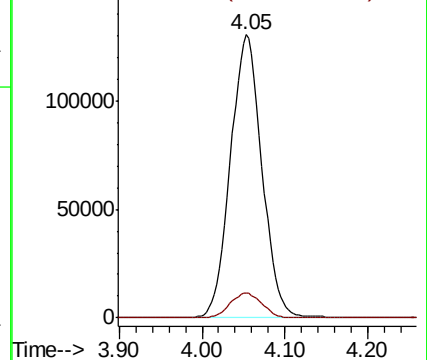
76 100

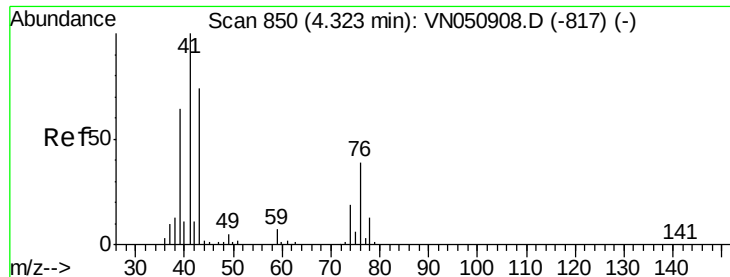
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





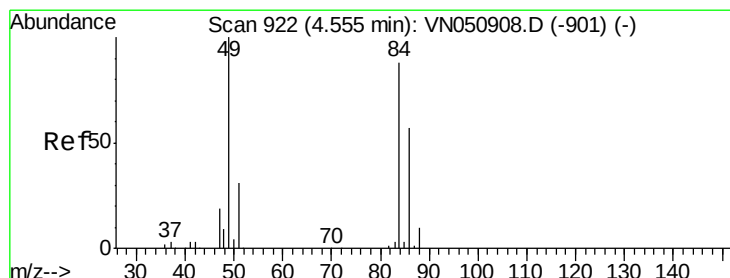
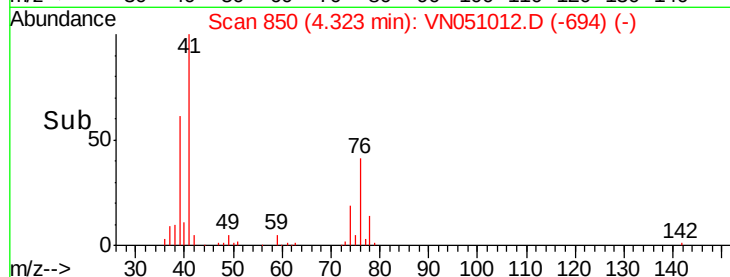
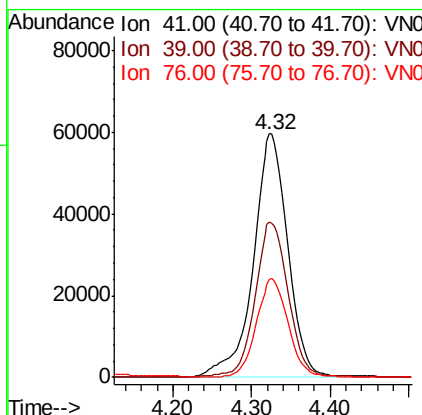
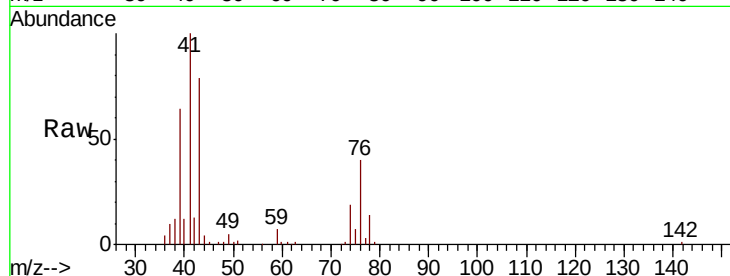
#17
Allvl chloride
Concen: 18.56 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.0	32.2	96.6
76	39.8	19.6	58.7

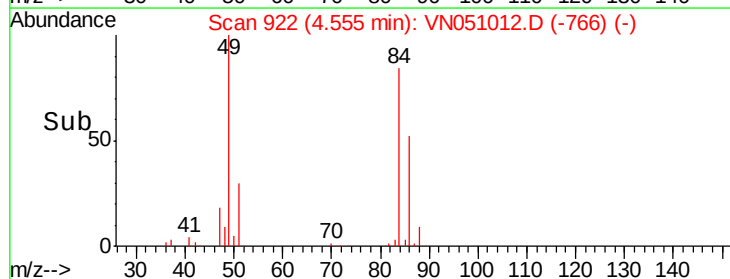
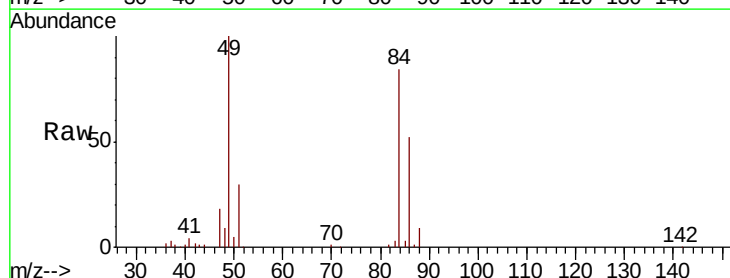
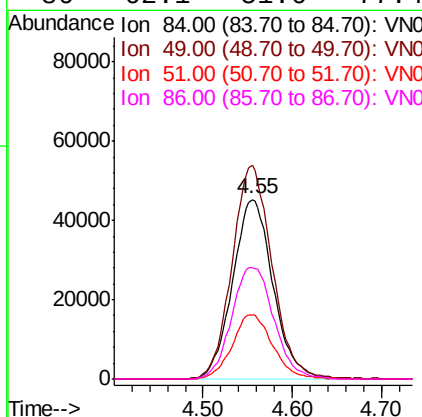
Manual Integrations
APPROVED

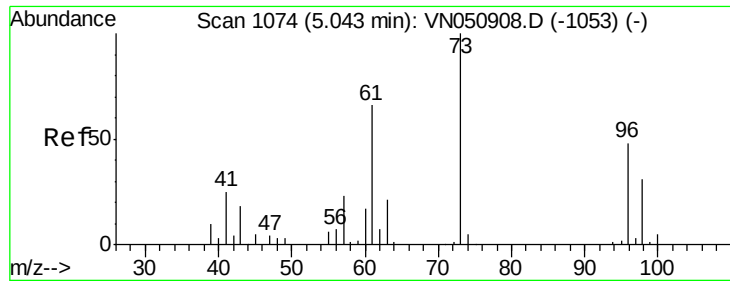
MMDadoda
9/5/2018 12:00:22 PM



#18
Methylene Chloride
Concen: 19.26 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.1	90.6	135.8
51	35.9	28.4	42.6
86	62.1	51.6	77.4





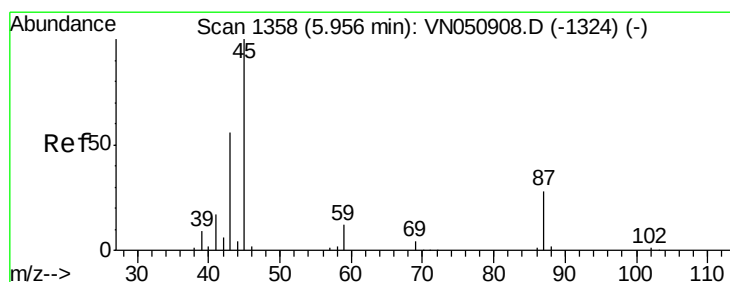
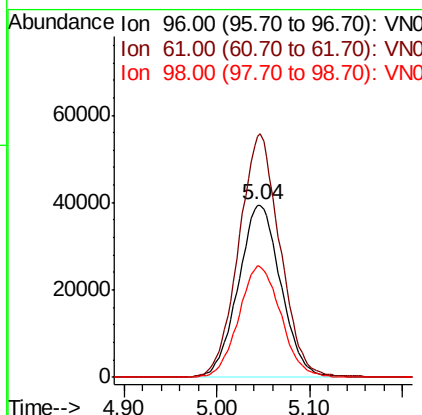
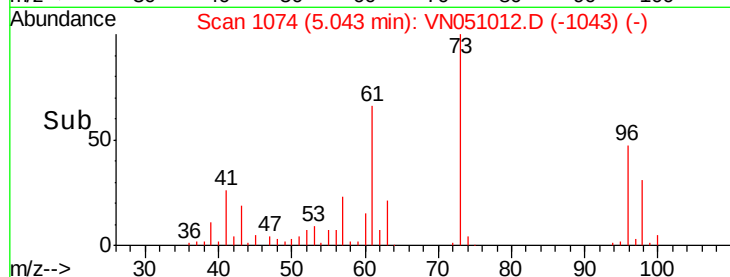
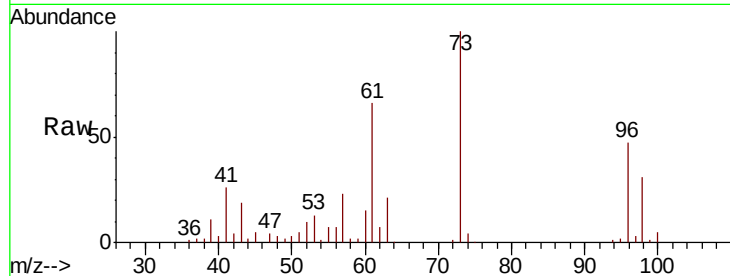
#19
trans-1,2-Dichloroethene
Concen: 18.72 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Instrument :
MSVOA_N
ClientSampled :
VN0904WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.2	109.5	164.3
98	64.8	51.9	77.9

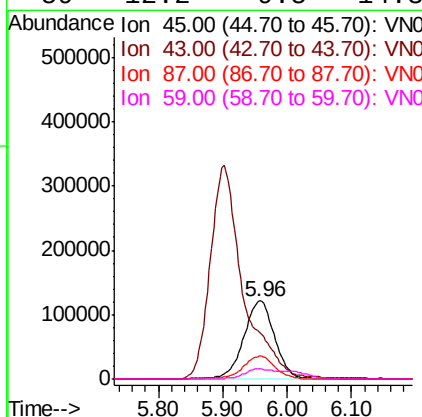
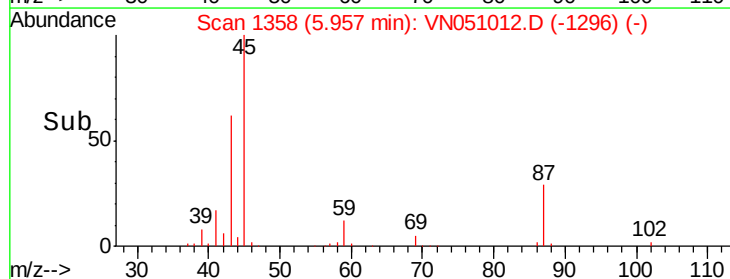
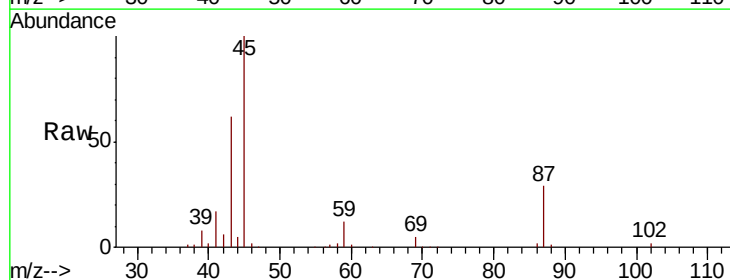
Manual Integrations
APPROVED

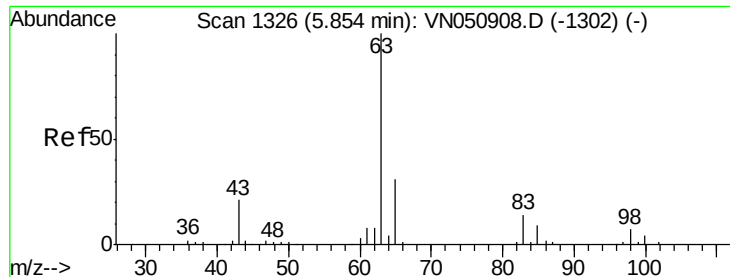
MMDadoda
9/5/2018 12:00:22 PM



#20
Diisopropyl ether
Concen: 19.71 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.2	47.0	70.6
87	29.1	22.8	34.2
59	12.2	9.5	14.3





#21

1,1-Dichloroethane

Concen: 19.44 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

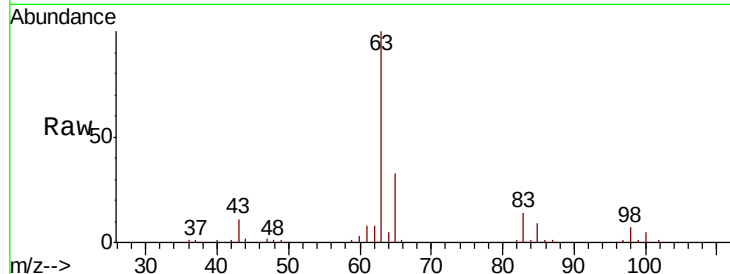
ClientSampleId :

VN0904WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.3	9.9
100	4.8	2.0	6.0

Manual Integrations
APPROVED

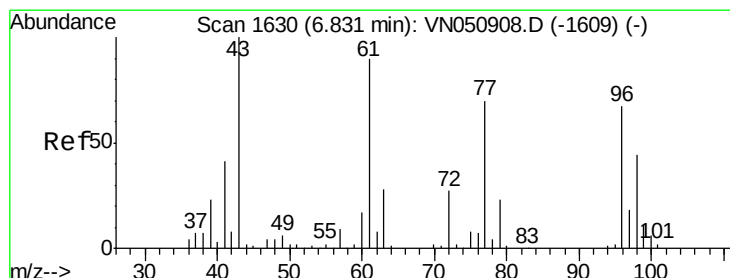
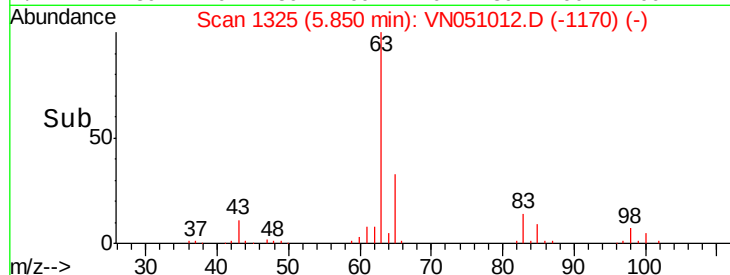
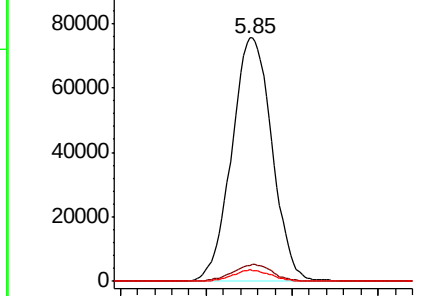
MMDadoda
9/5/2018 12:00:22 PM



Abundance Ion 63.00 (62.70 to 63.70): VN051012.D (-1302) (-)

Ion 98.00 (97.70 to 98.70): VN051012.D (-1302) (-)

Ion 100.00 (99.70 to 100.70): VN051012.D (-1302) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.21 ug/l

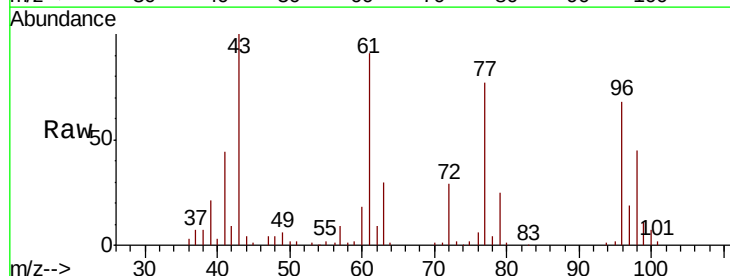
RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

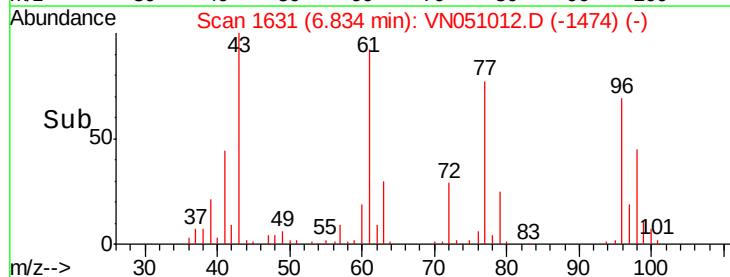
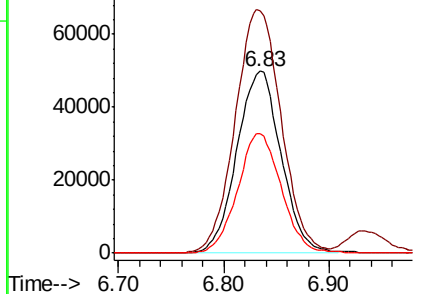
Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.4	110.0	165.0
98	64.8	51.7	77.5

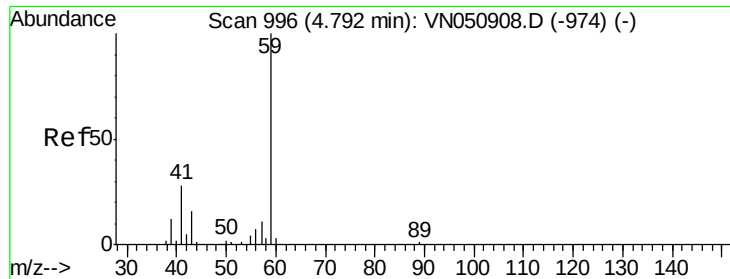


Abundance Ion 96.00 (95.70 to 96.70): VN051012.D (-1609) (-)

Ion 61.00 (60.70 to 61.70): VN051012.D (-1609) (-)

Ion 98.00 (97.70 to 98.70): VN051012.D (-1609) (-)





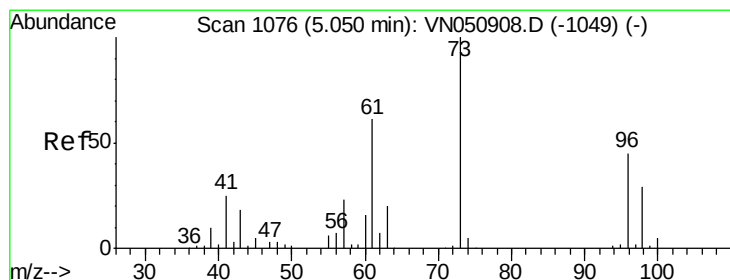
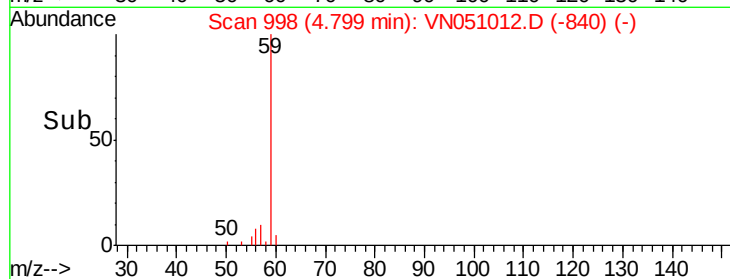
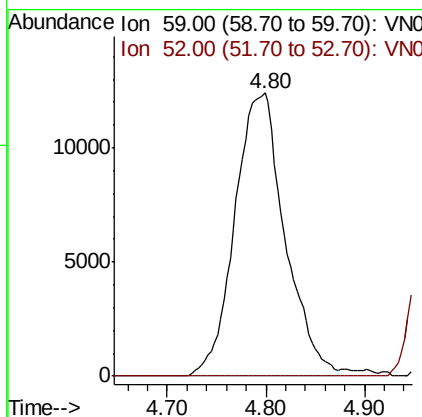
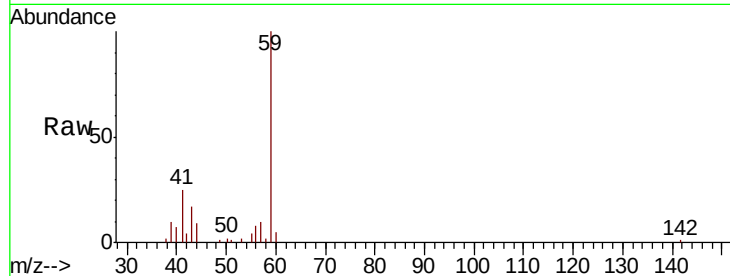
#23
 tert-Butyl Alcohol
 Concen: 83.51 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.01 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBSD02

Tot Ion: 59 Resp: 43712
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

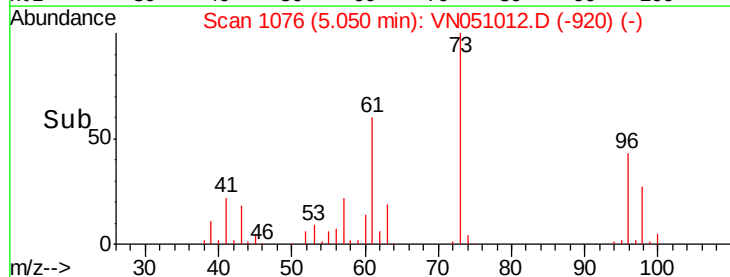
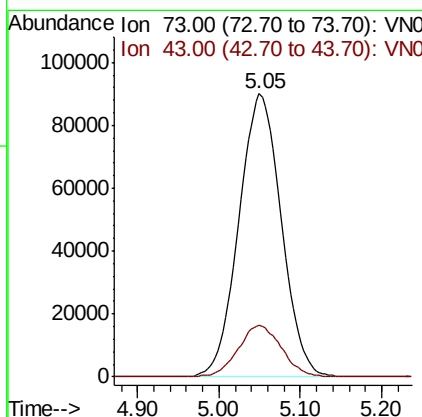
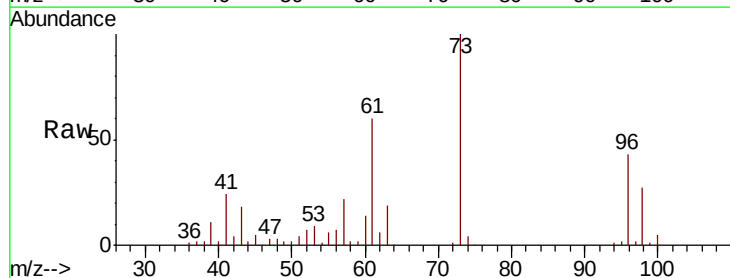
Manual Integrations
 APPROVED

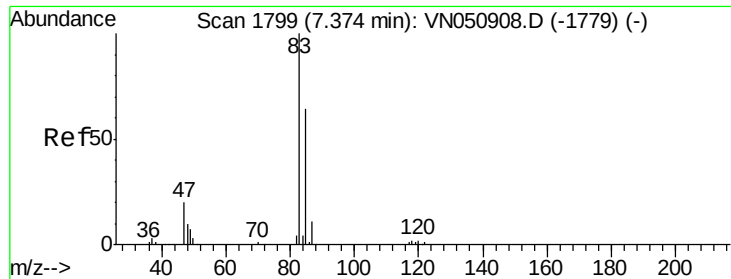
MMDadoda
 9/5/2018 12:00:22 PM



#24
 Methyl tert-Butyl Ether
 Concen: 18.85 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Tgt Ion: 73 Resp: 324530
 Ion Ratio Lower Upper
 73 100
 43 18.7 14.4 21.6





#25

Chloroform

Concen: 19.82 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBSD02

Tot Ion: 83 Resp: 249394

Ion Ratio Lower Upper

83 100

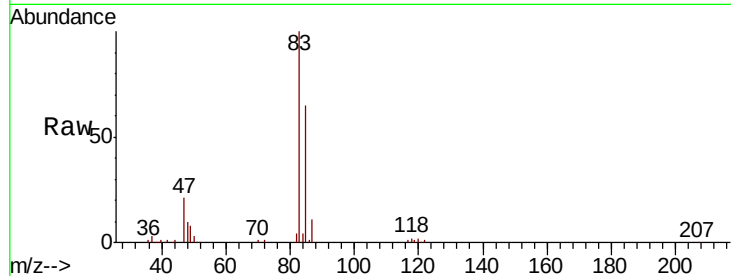
85 64.3 51.4 77.0

Manual Integrations

APPROVED

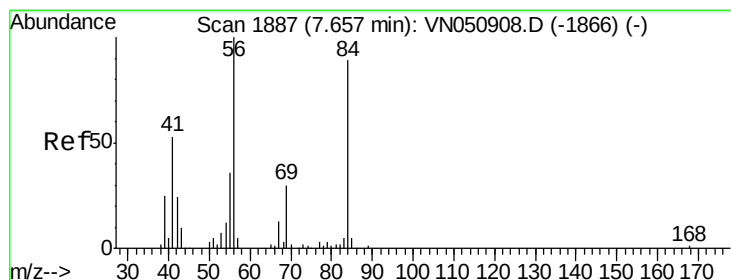
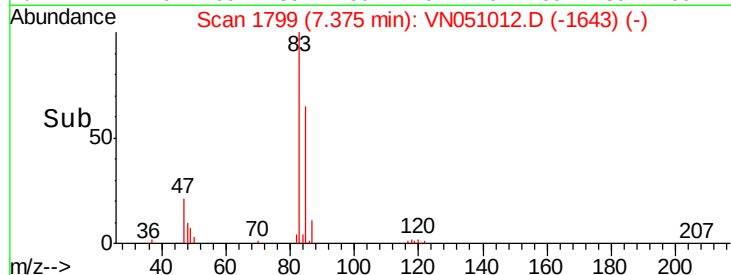
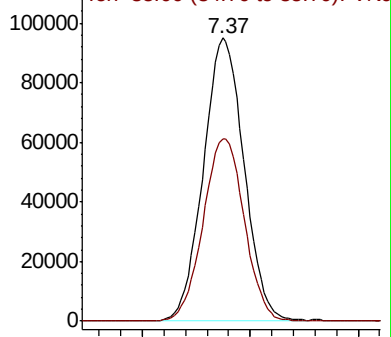
MMDadoda

9/5/2018 12:00:22 PM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 18.09 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

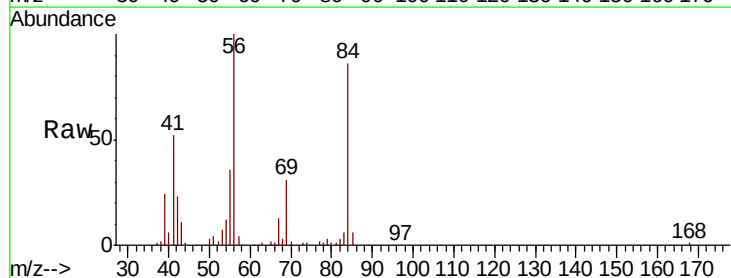
Tgt Ion: 56 Resp: 188916

Ion Ratio Lower Upper

56 100

89 0.0 0.4 0.6#

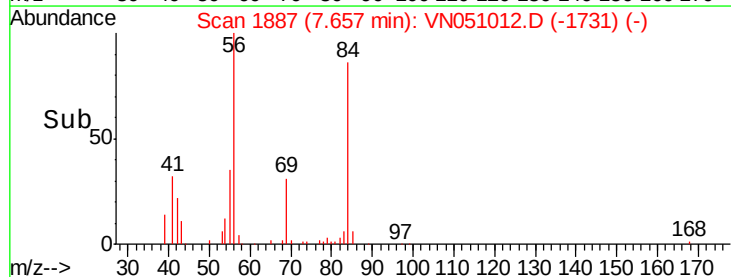
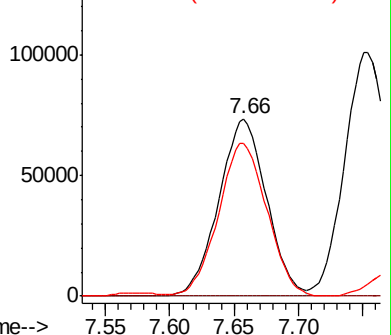
84 88.3 70.4 105.6

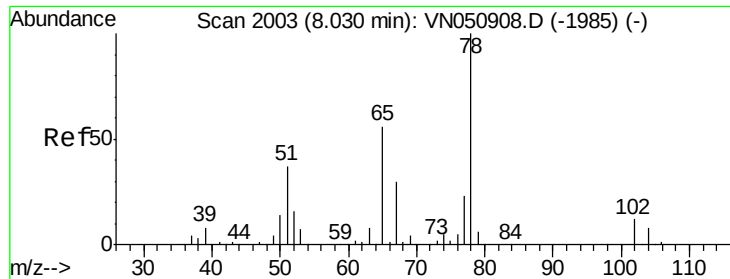


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





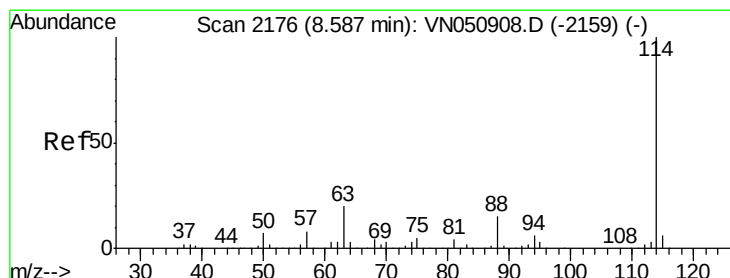
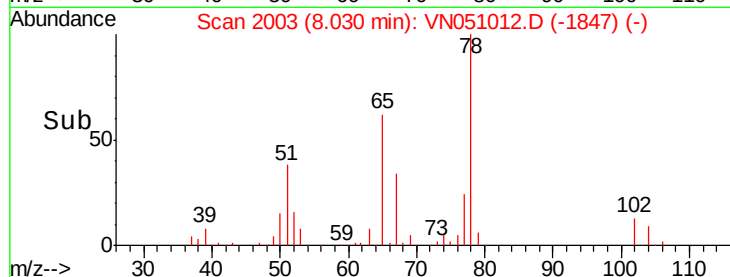
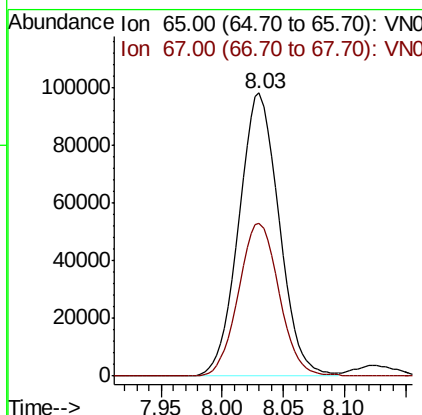
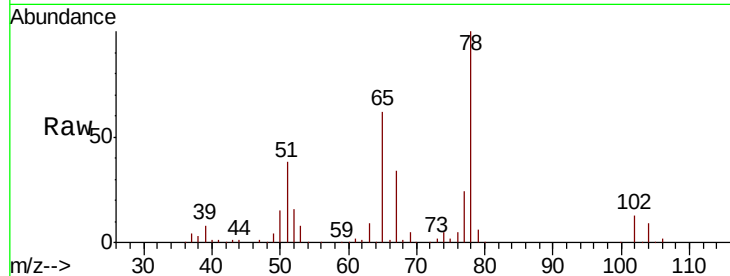
#27
 1,2-Dichloroethane-d4
 Concen: 30.26 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	43.7	65.5

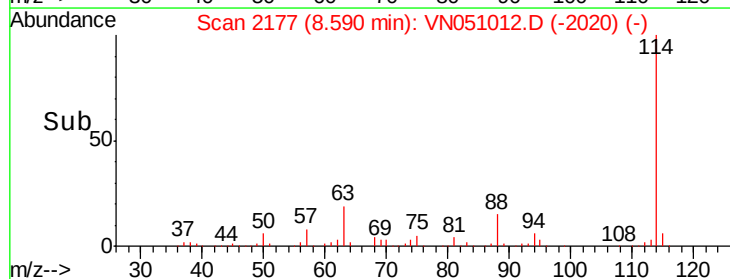
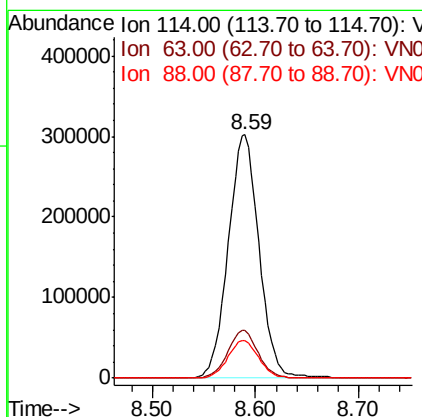
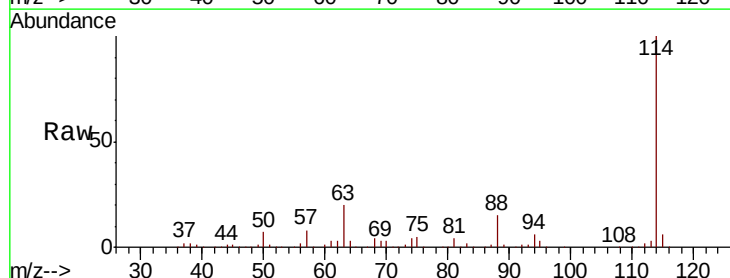
Manual Integrations
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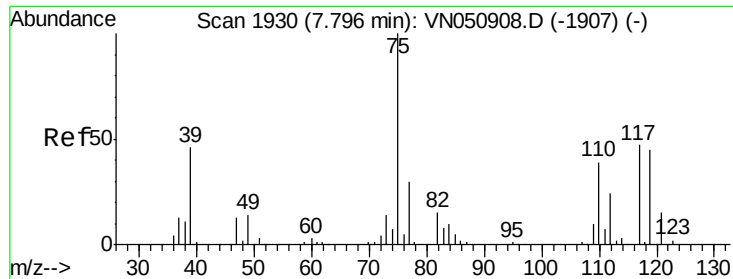
MMDadoda
 9/5/2018 12:00:22 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	15.6	23.4
88	15.4	12.2	18.4





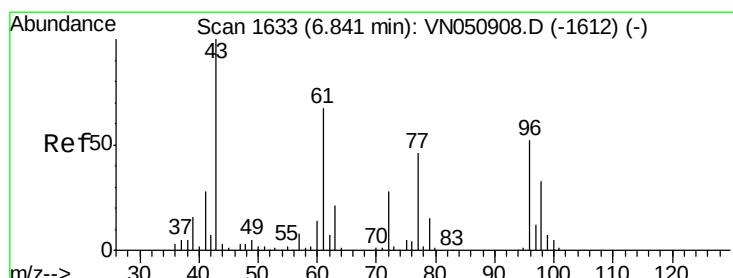
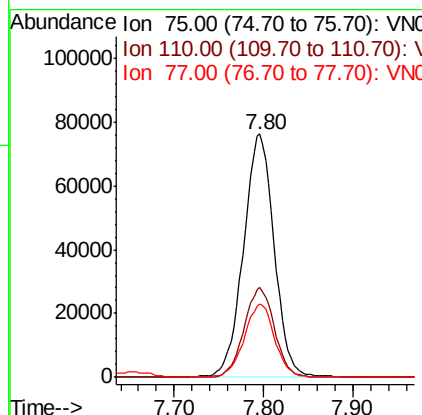
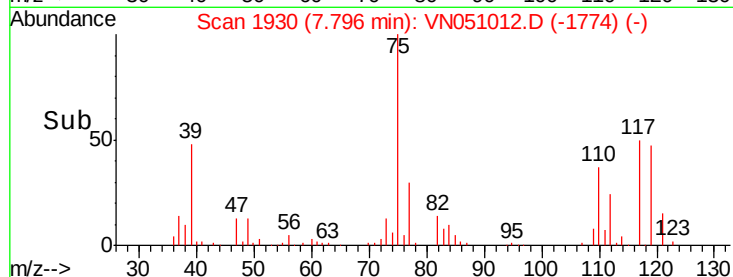
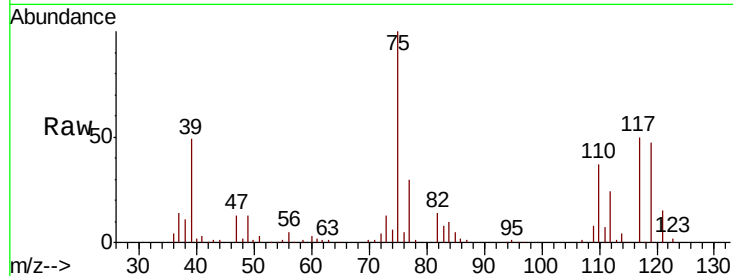
#29
 1,1-Dichloropropene
 Concen: 19.43 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0904WBSD02

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.3	0.0	75.0
77	30.1	0.0	60.6

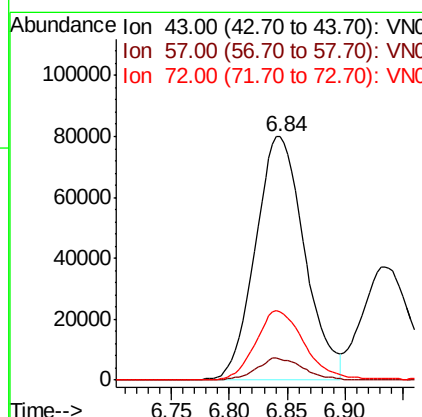
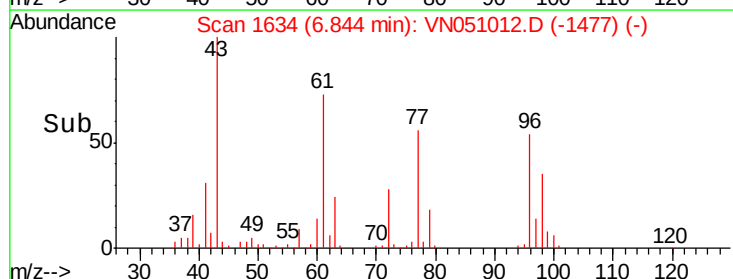
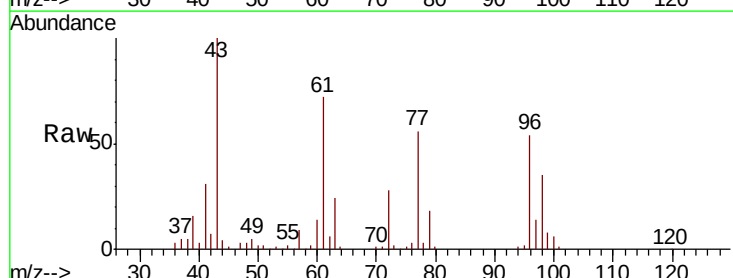
Manual Integrations
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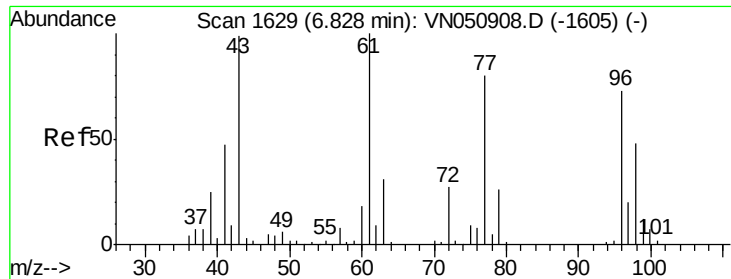
MMDadoda
 9/5/2018 12:00:22 PM



#30
 2-Butanone
 Concen: 81.48 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.6	6.9	10.3
72	28.4	22.8	34.2





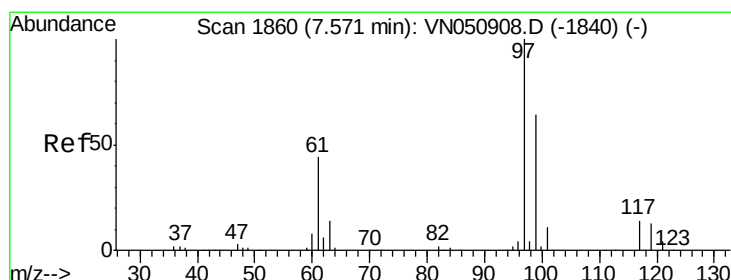
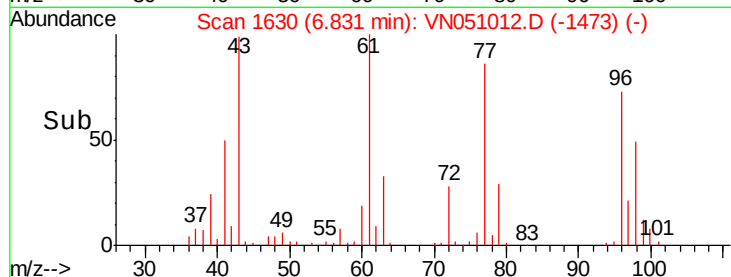
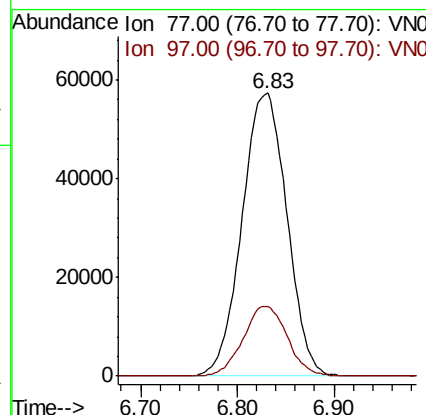
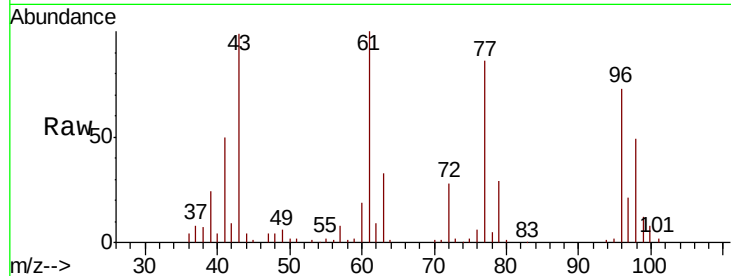
#31
 2,2-Dichloropropane
 Concen: 20.22 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBSD02

Tot Ion: 77 Resp: 185048
 Ion Ratio Lower Upper
 77 100
 97 24.2 20.2 30.2

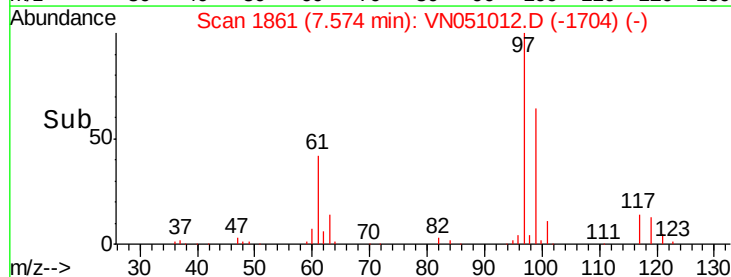
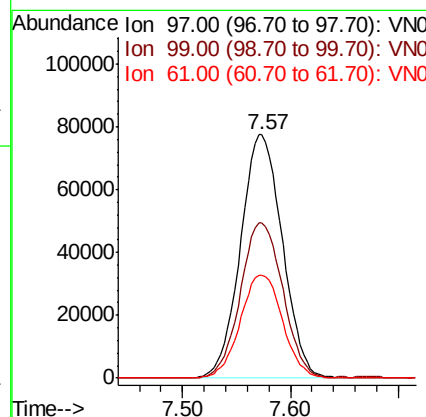
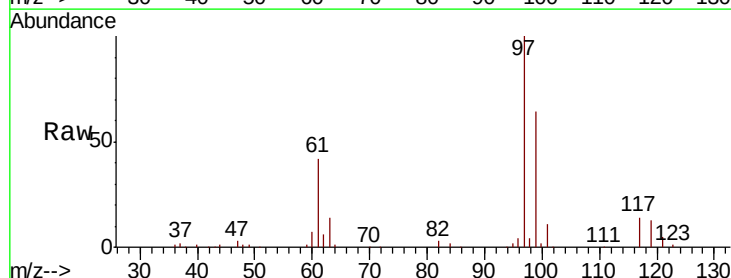
Manual Integrations
 APPROVED

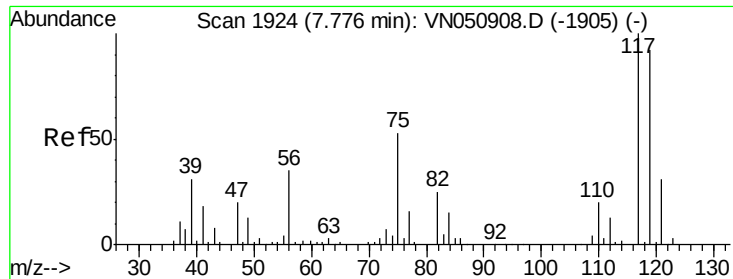
MMDadoda
 9/5/2018 12:00:22 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.61 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Tgt Ion: 97 Resp: 209155
 Ion Ratio Lower Upper
 97 100
 99 64.7 52.0 78.0
 61 42.9 35.0 52.6





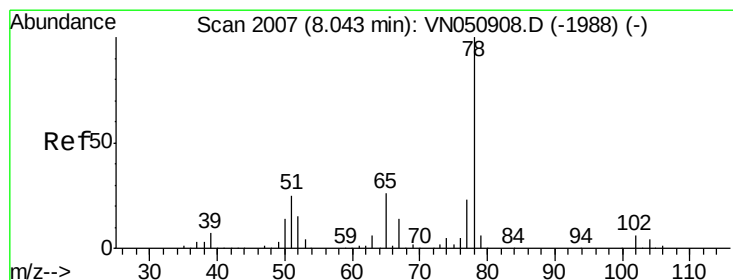
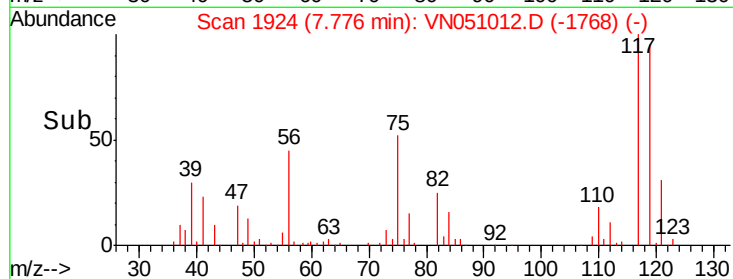
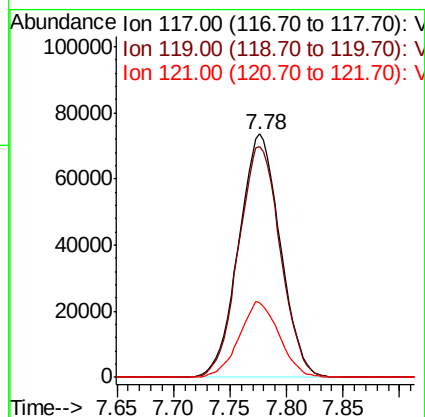
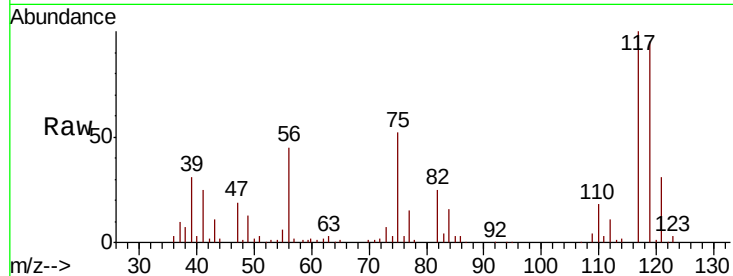
#33
Carbon Tetrachloride
Concen: 19.52 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Instrument :
MSVOA_N
ClientSampled :
VN0904WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.6	73.5	110.3
121	30.9	24.6	37.0

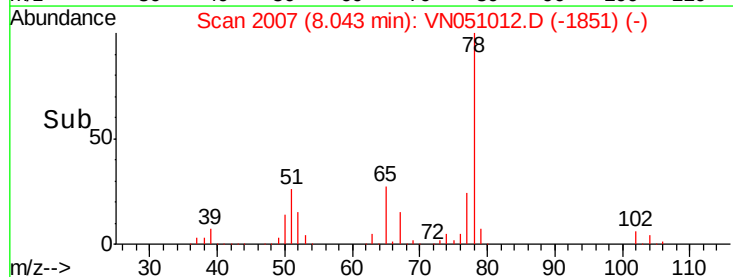
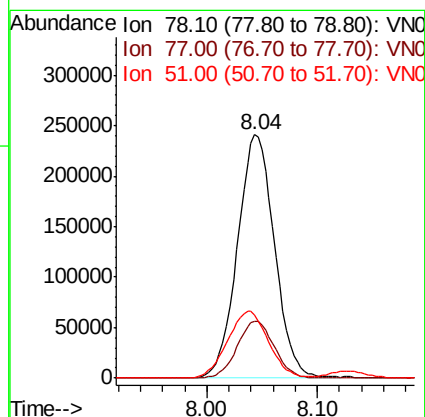
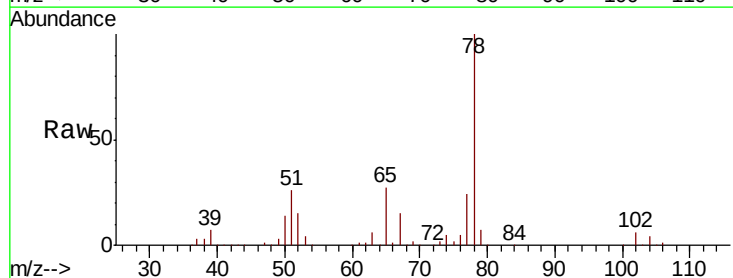
Manual Integrations
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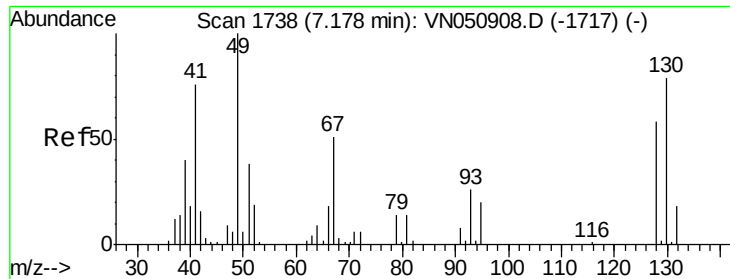
MMDadoda
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#34
Benzene
Concen: 19.24 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0
51	25.9	20.0	30.0





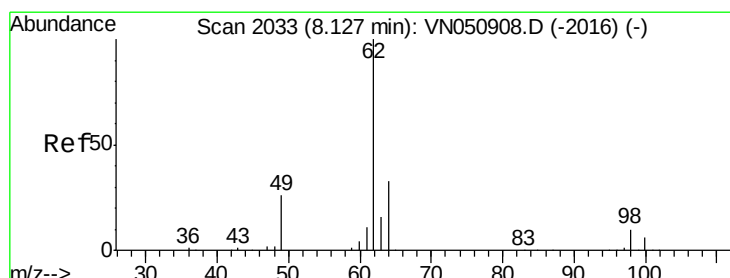
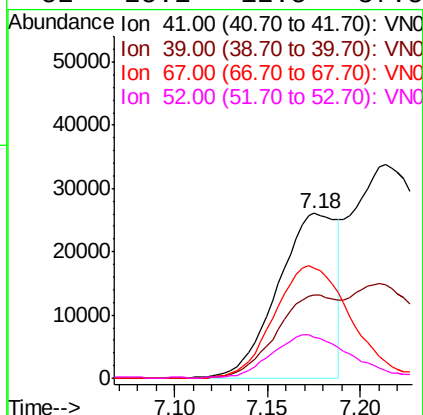
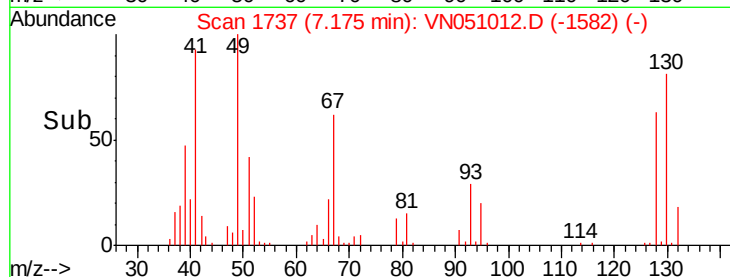
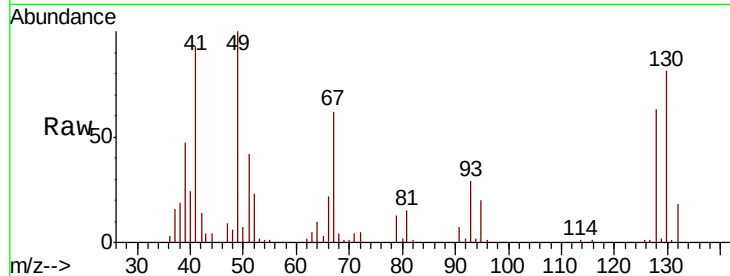
#35
Methacrylonitrile
Concen: 18.19 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.7	26.2	78.5
67	67.1	33.9	101.6
52	25.1	12.5	37.5

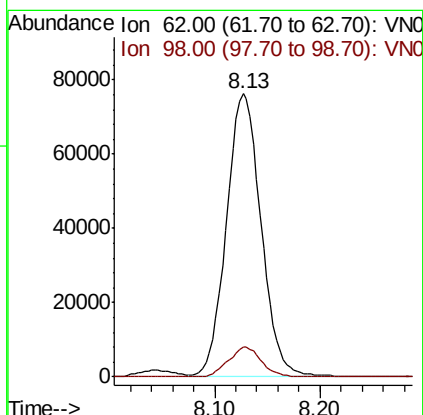
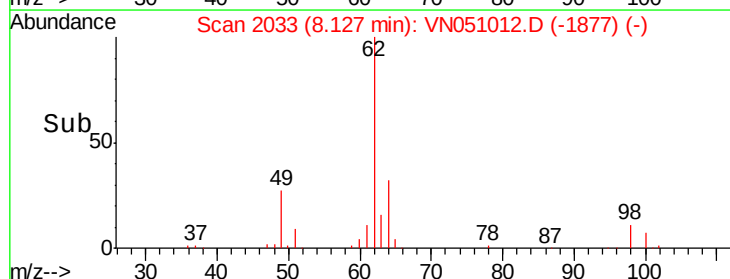
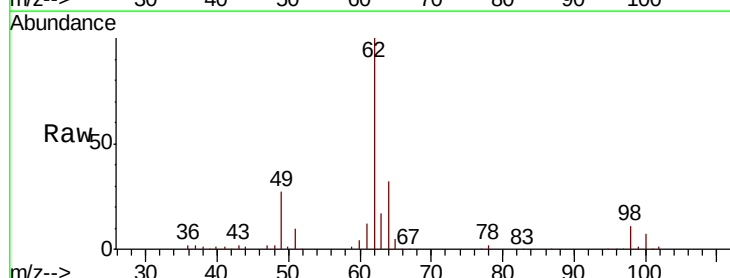
Manual Integrations
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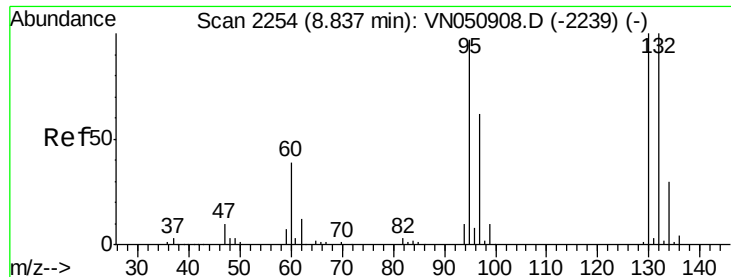
MMDadoda
9/5/2018 12:00:22 PM



#36
1,2-Dichloroethane
Concen: 19.73 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	8.0	12.0





#37

Trichloroethene

Concen: 19.13 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBSD02

Tot Ion:130 Resp: 145503

Ion Ratio Lower Upper

130 100

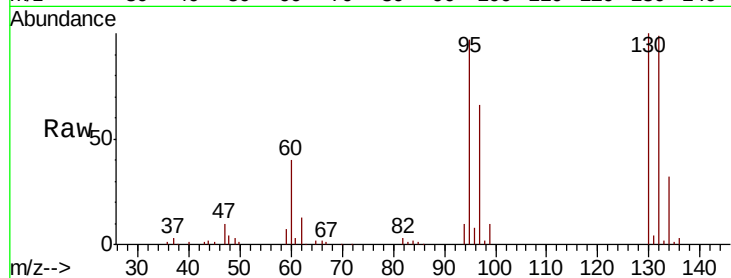
95 97.4 77.4 116.0

Manual Integrations

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9/5/2018 12:00:22 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

60000

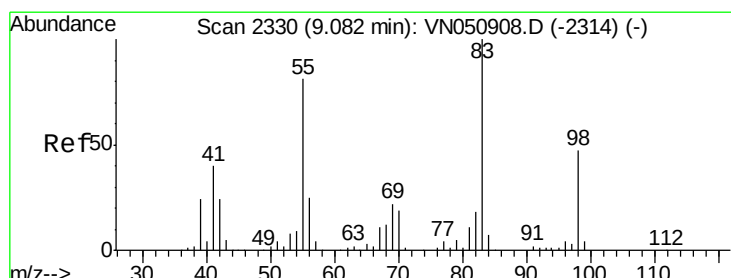
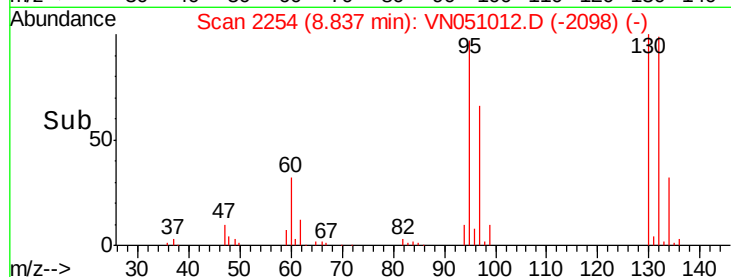
40000

20000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 17.80 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

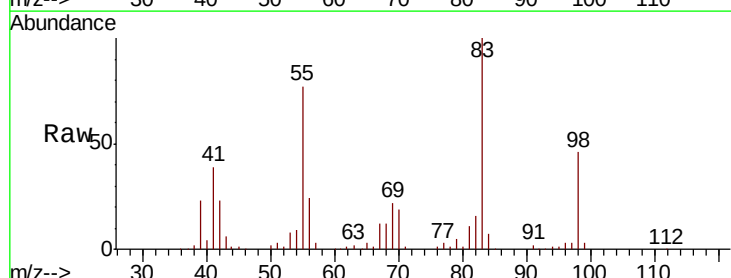
Tgt Ion: 83 Resp: 179766

Ion Ratio Lower Upper

83 100

55 78.1 38.9 116.7

98 46.5 22.9 68.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

120000

100000

80000

60000

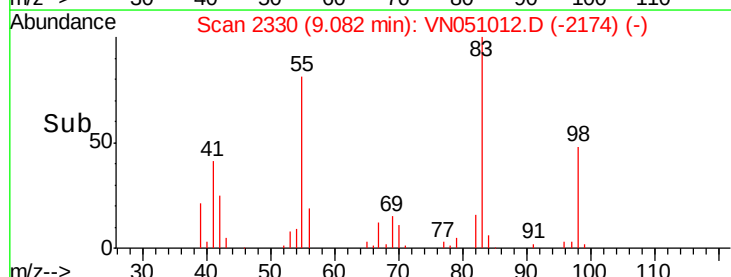
40000

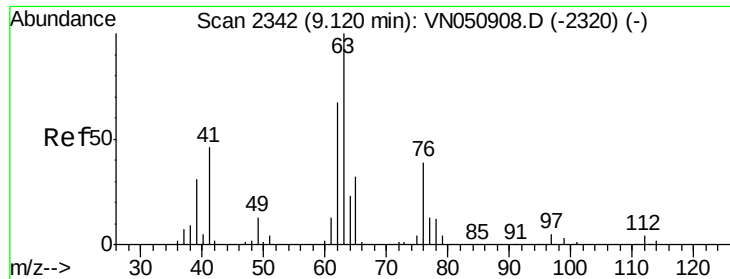
20000

0

9.00 9.05 9.10 9.15

Time-->





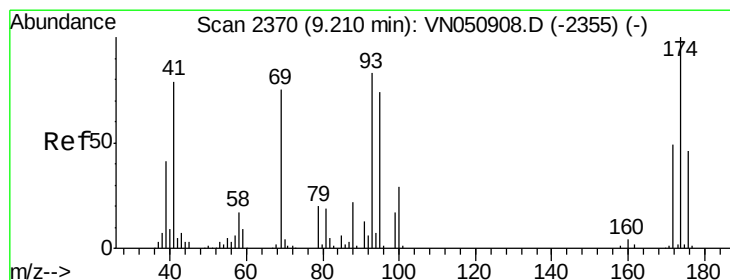
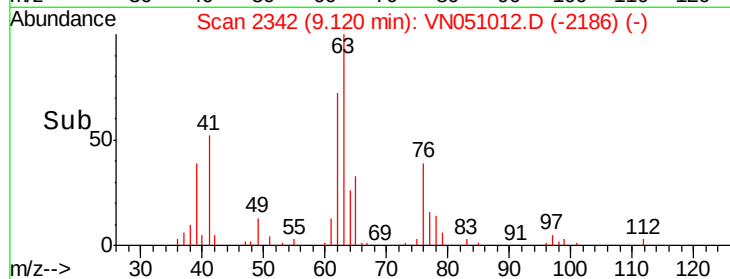
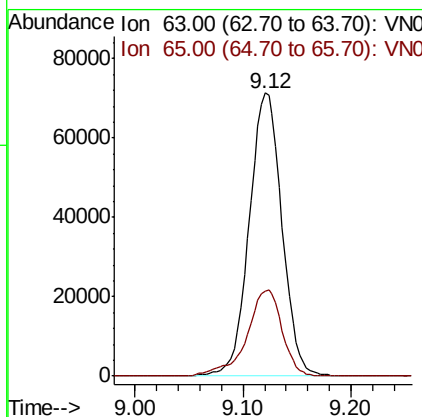
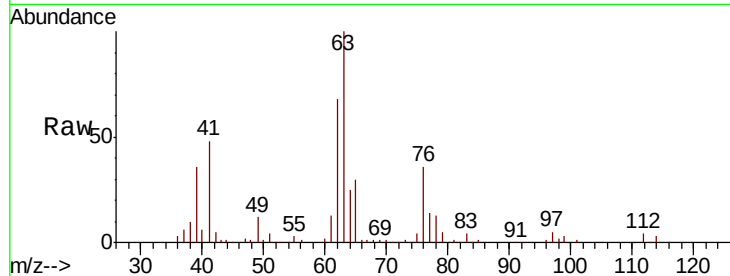
#39
 1,2-Dichloropropane
 Concen: 19.77 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	25.6	38.4

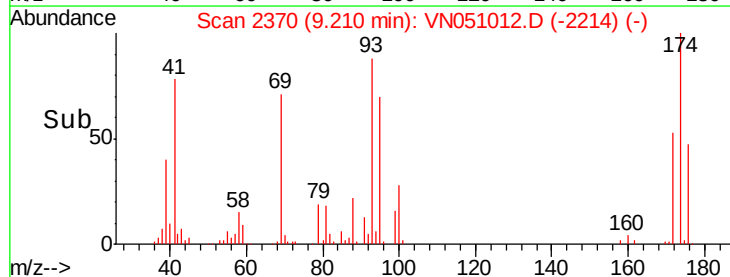
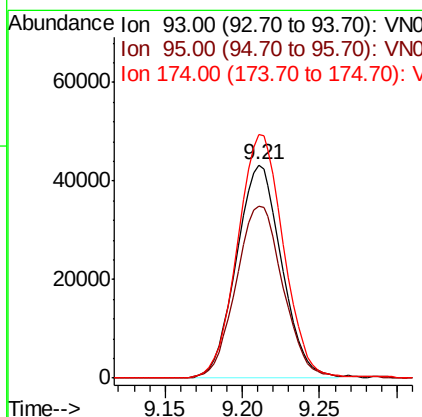
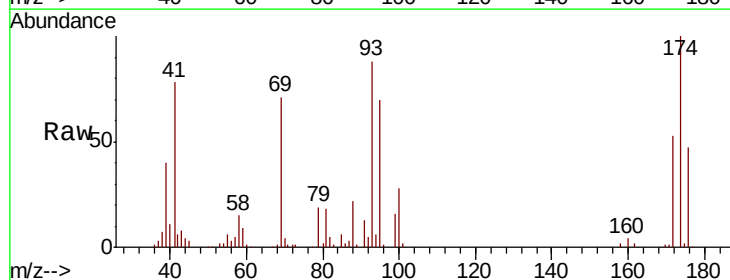
Manual Integrations
 APPROVED

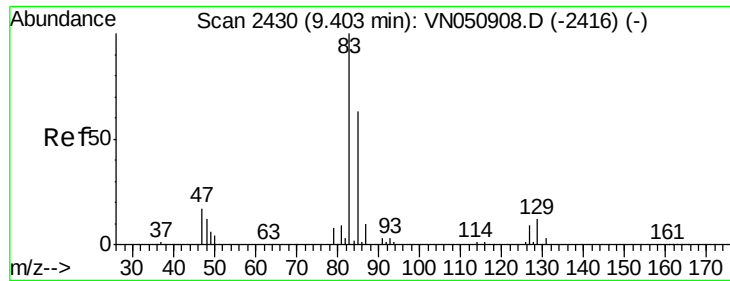
MMDadoda
 9/5/2018 12:00:22 PM



#40
 Dibromomethane
 Concen: 19.24 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	0.0	173.4
174	115.5	0.0	234.8





#41

Bromodichloromethane

Concen: 19.46 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

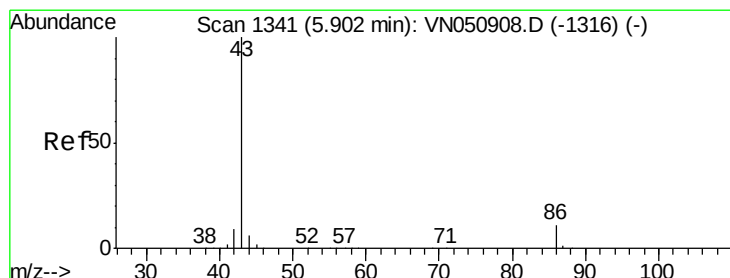
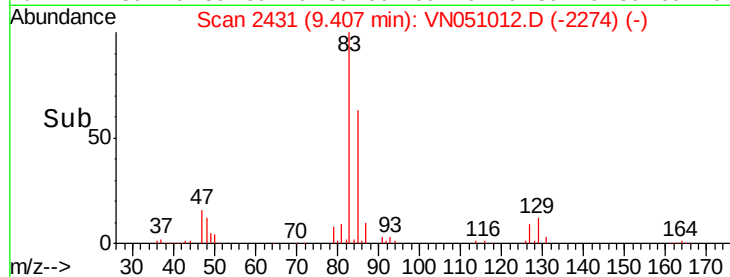
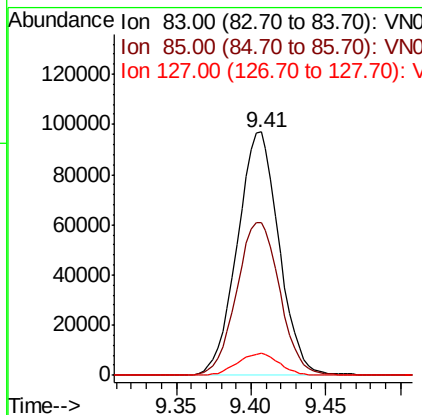
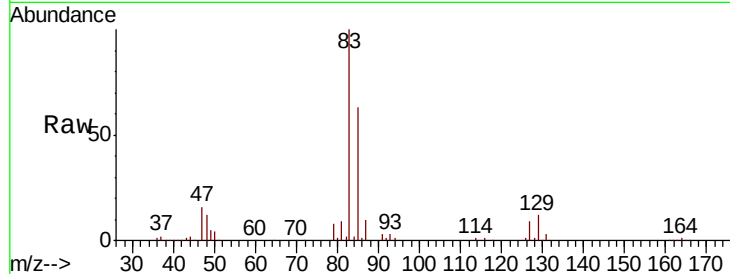
ClientSampleId :

VN0904WBSD02

Tot Ion:	83	Resp:	187798
Ion Ratio	Lower	Upper	
83	100		
85	62.8	50.6	76.0
127	9.0	7.1	10.7

Manual Integrations
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9/5/2018 12:00:22 PM



#42

Vinyl Acetate

Concen: 88.28 ug/l

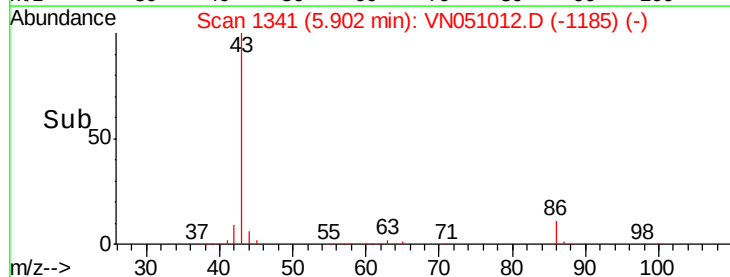
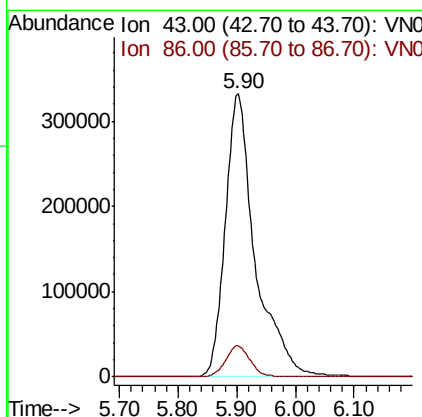
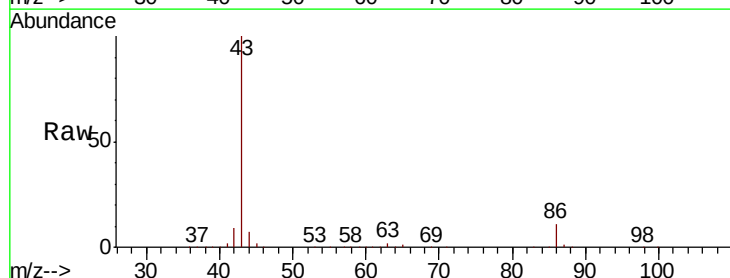
RT: 5.90 min Scan# 1341

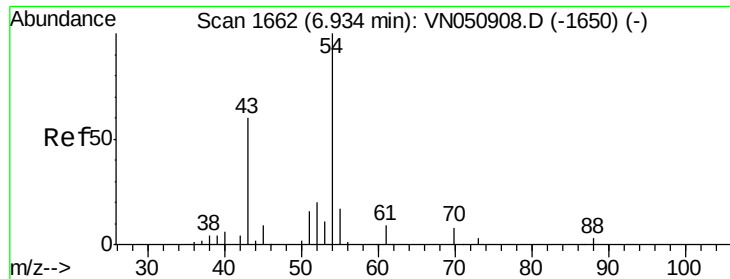
Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Tgt Ion:	43	Resp:	1176374
Ion Ratio	Lower	Upper	
43	100		
86	9.0	7.2	10.8





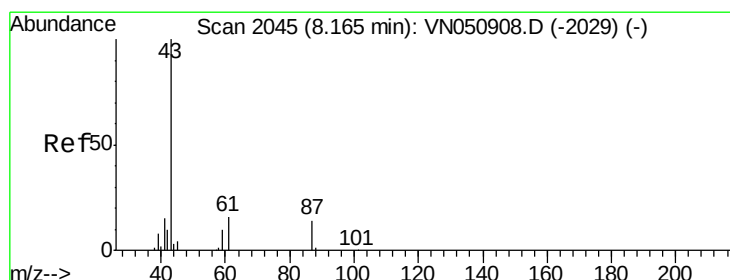
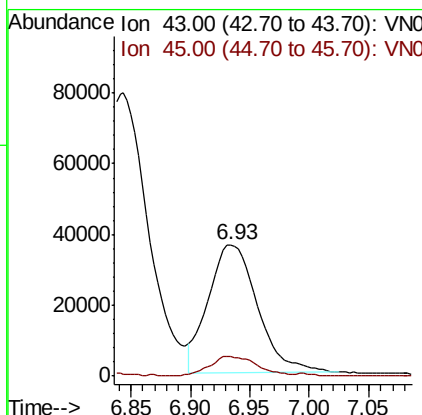
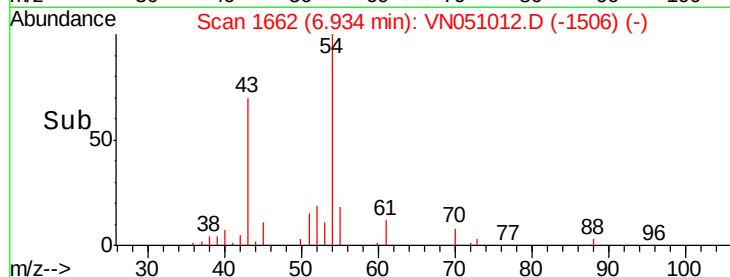
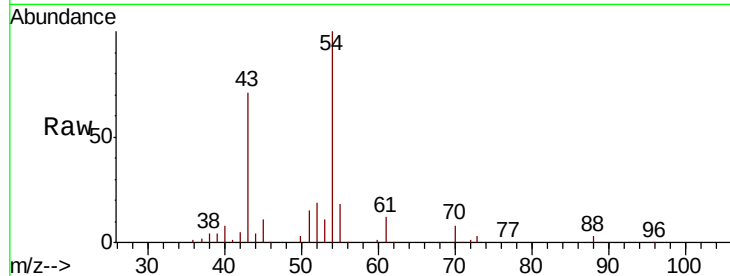
#43
Ethyl Acetate
Concen: 17.50 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Instrument :
MSVOA_N
ClientSampled :
VN0904WBSD02

Tot Ion: 43 Resp: 103742
Ion Ratio Lower Upper
43 100
45 14.0 10.2 15.2

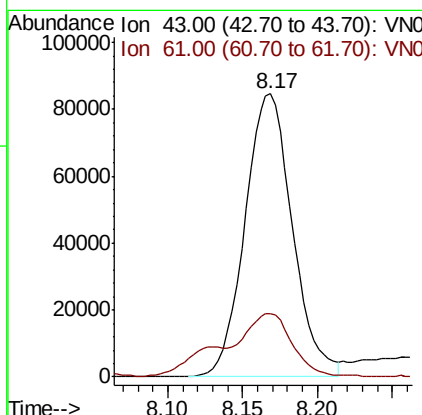
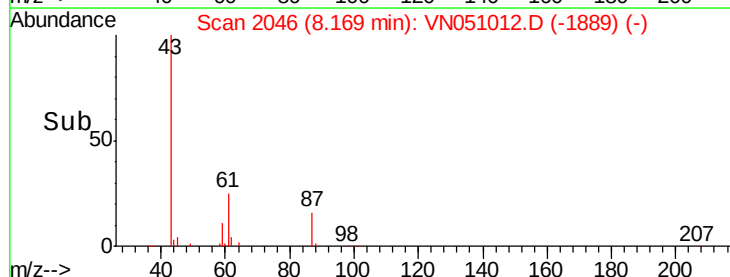
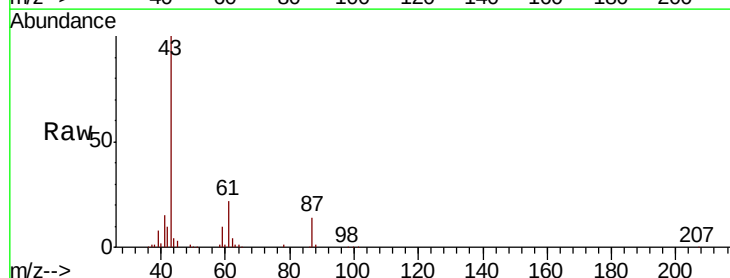
Manual Integrations
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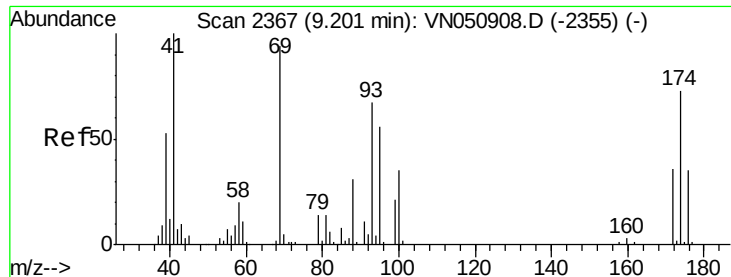
MMDadoda
9/5/2018 12:00:22 PM



#44
Isopropyl Acetate
Concen: 17.73 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Tgt Ion: 43 Resp: 185376
Ion Ratio Lower Upper
43 100
61 21.3 16.3 24.5





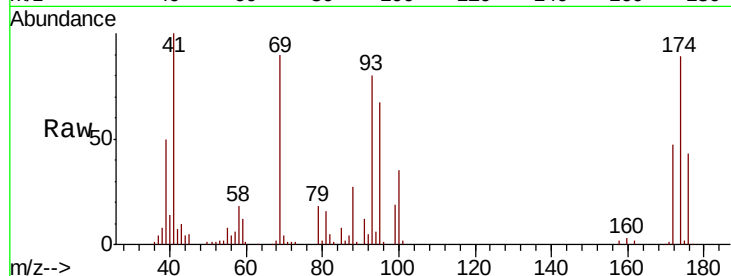
#45
 1,4-Dioxane
 Concen: 347.49 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	23.5	35.3
58	67.9	55.2	82.8

Manual Integrations
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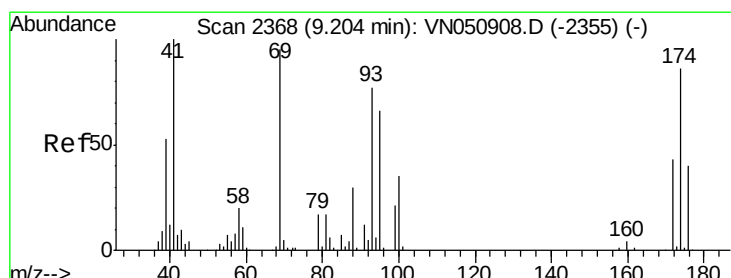
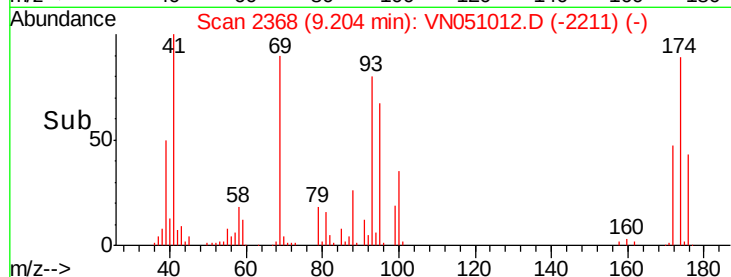
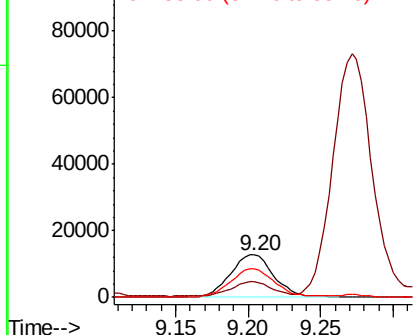


Abundance

Ion 88.00 (87.70 to 88.70): VN0

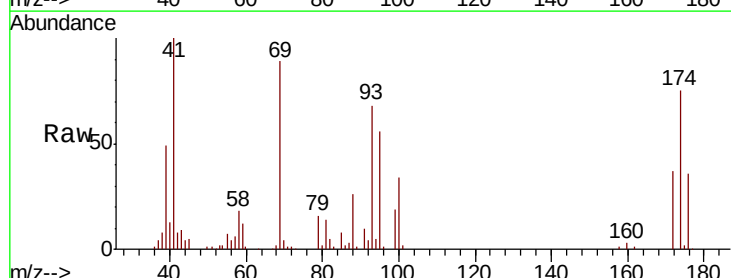
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
 Methyl methacrylate
 Concen: 17.27 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.9	47.4	142.2
39	48.2	26.6	79.7

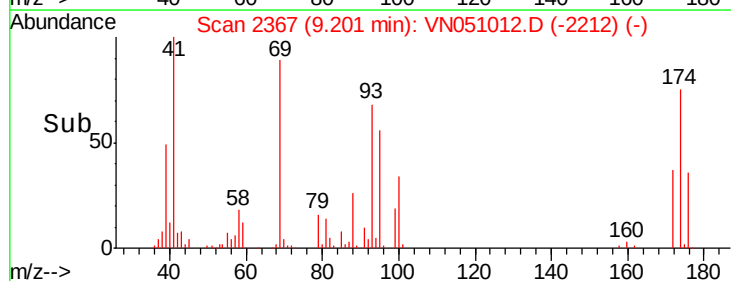
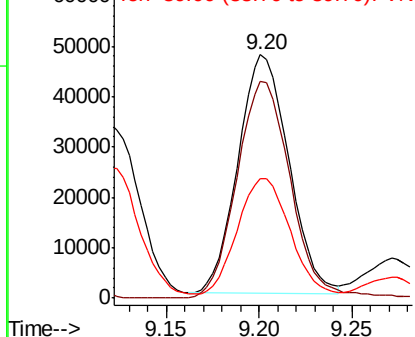


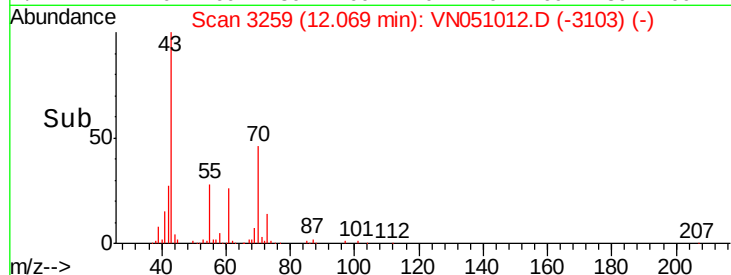
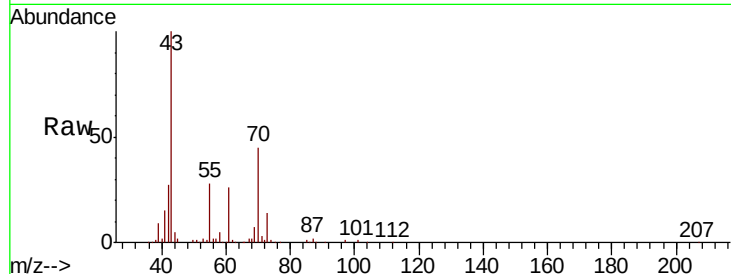
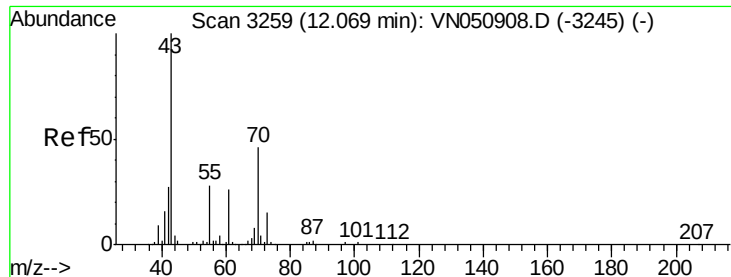
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





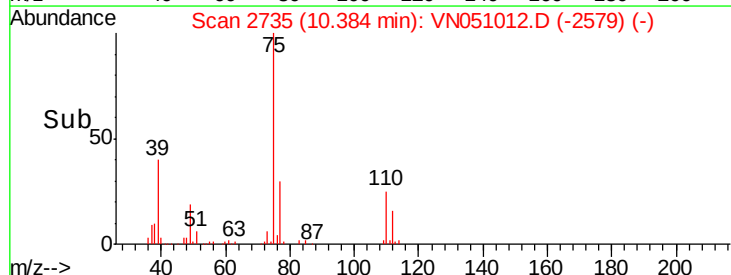
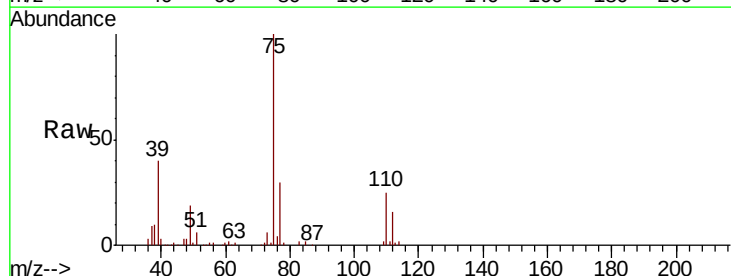
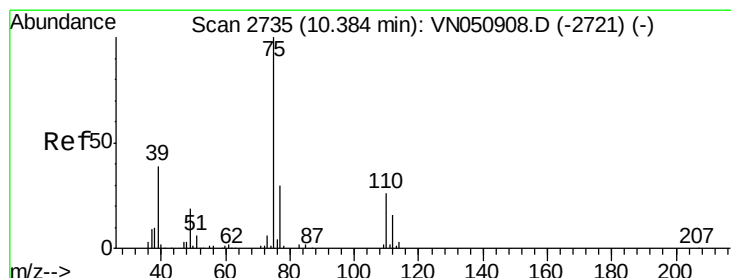
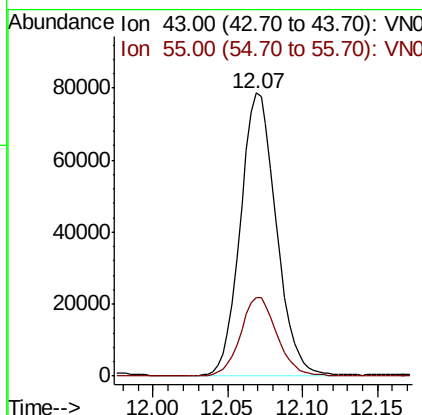
#47
n-amvl Acetate
Concen: 15.67 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Tot Ion: 43 Resp: 131748
Ion Ratio Lower Upper
43 100
55 28.2 23.0 34.4

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBSD02

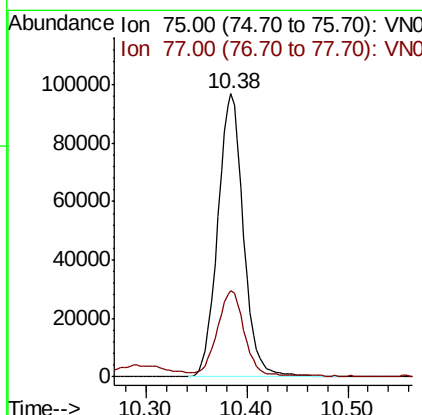
Manual Integrations
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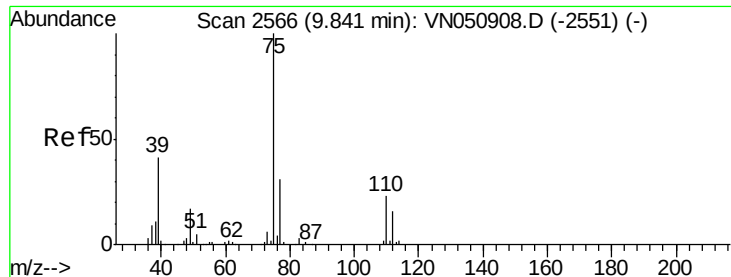
MMDadoda
9/5/2018 12:00:22 PM



#48
t-1,3-Dichloropropene
Concen: 18.18 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Tgt Ion: 75 Resp: 171985
Ion Ratio Lower Upper
75 100
77 30.1 24.8 37.2





#49

cis-1,3-Dichloropropene

Concen: 18.63 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

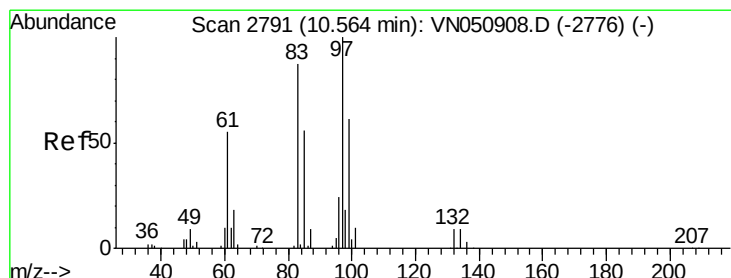
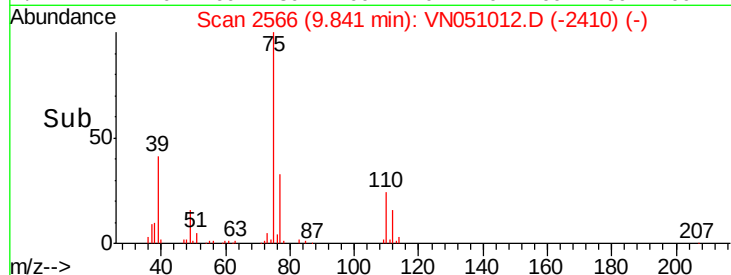
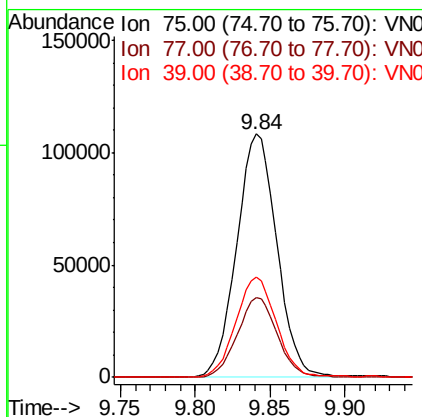
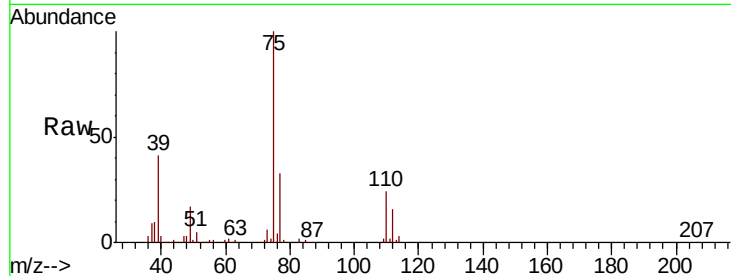
ClientSampleId :

VN0904WBSD02

Tot Ion:	75	Resp:	202449
Ion Ratio	Lower	Upper	
75	100		
77	32.7	25.0	37.4
39	41.1	32.9	49.3

Manual Integrations
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9/5/2018 12:00:22 PM



#50

1,1,2-Trichloroethane

Concen: 19.18 ug/l

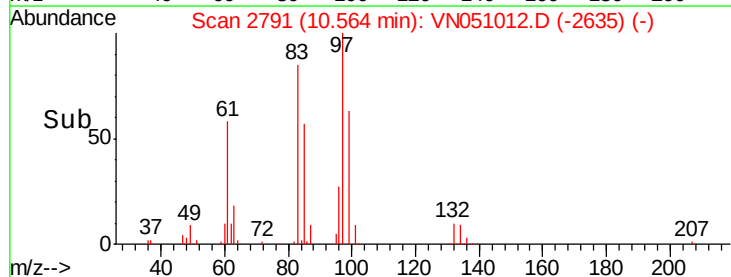
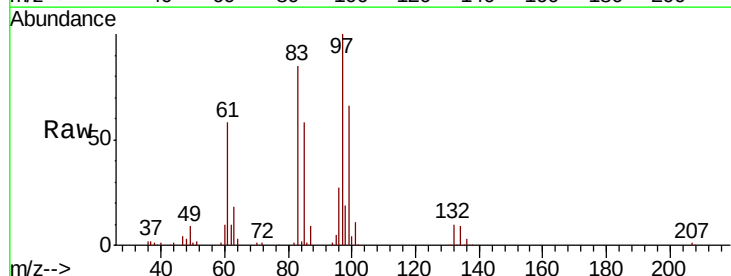
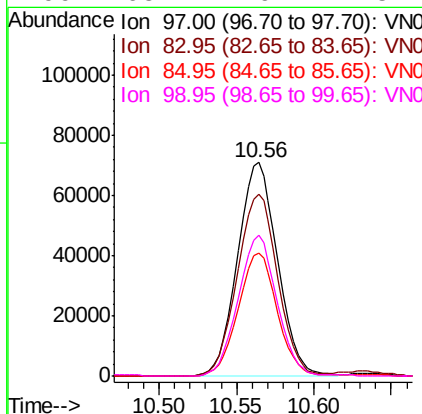
RT: 10.56 min Scan# 2791

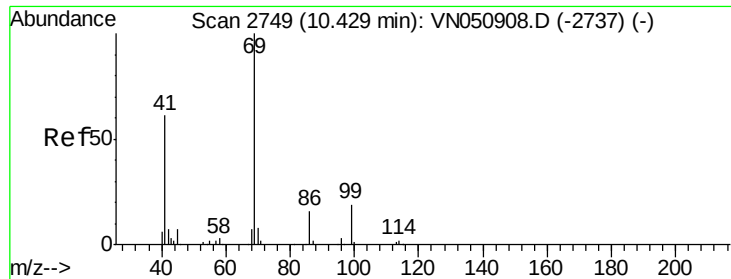
Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Tgt Ion:	97	Resp:	127590
Ion Ratio	Lower	Upper	
97	100		
83	85.0	69.8	104.6
85	57.8	45.0	67.6
99	65.7	49.1	73.7





#51

Ethyl methacrylate

Concen: 17.26 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

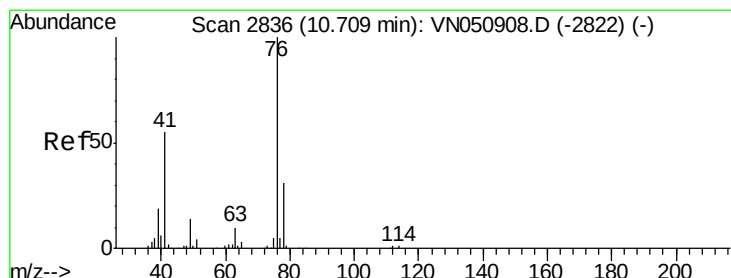
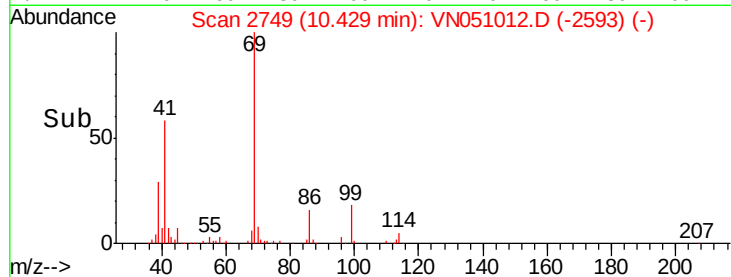
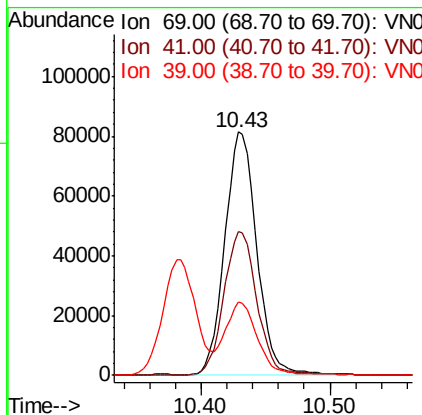
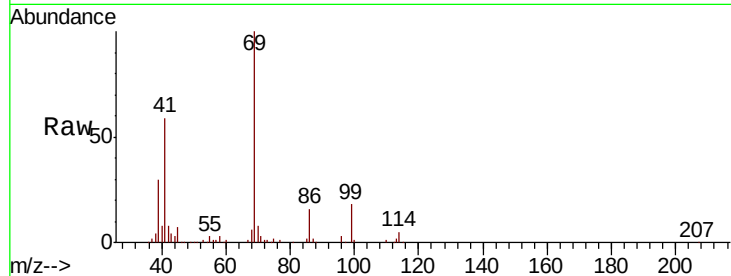
ClientSampleId :

VN0904WBSD02

Tot Ion:	69	Resp:	140445
Ion	Ratio	Lower	Upper
69	100		
41	58.5	30.5	91.5
39	29.5	15.3	45.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.17 ug/l

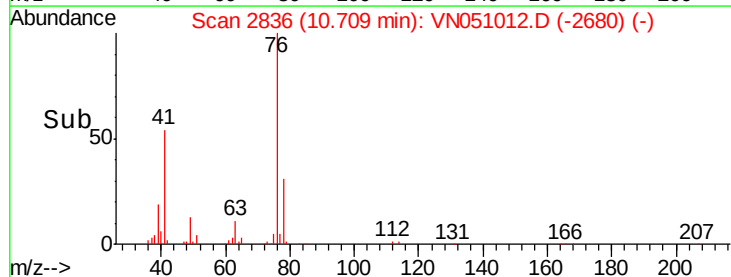
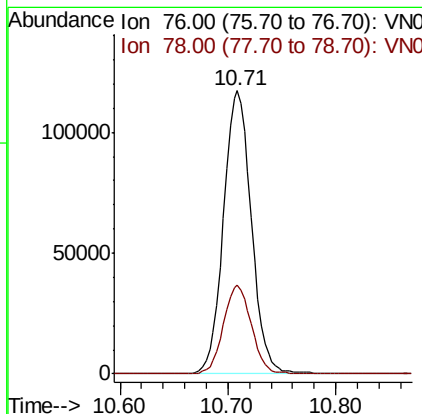
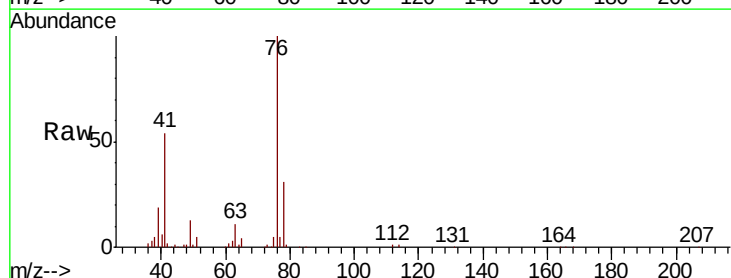
RT: 10.71 min Scan# 2836

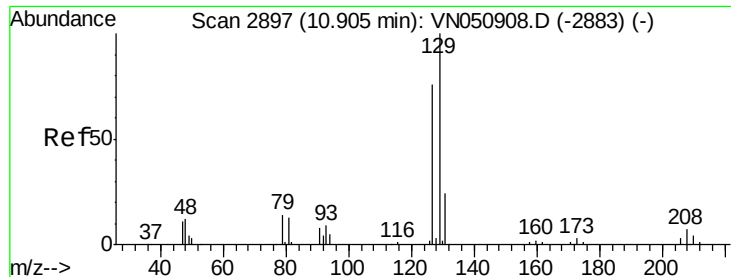
Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Tgt Ion:	76	Resp:	211156
Ion	Ratio	Lower	Upper
76	100		
78	31.5	0.0	63.4





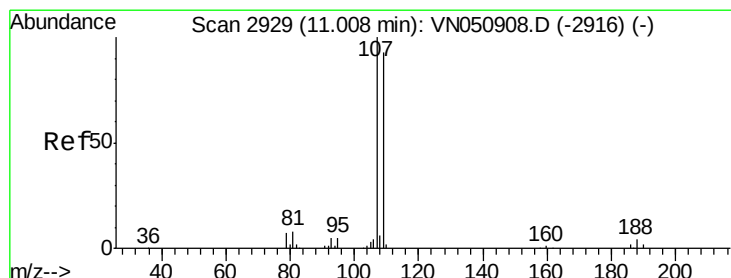
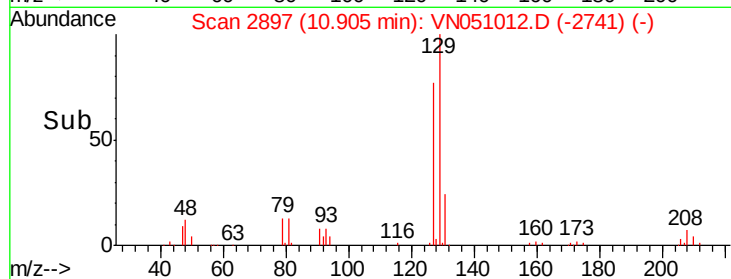
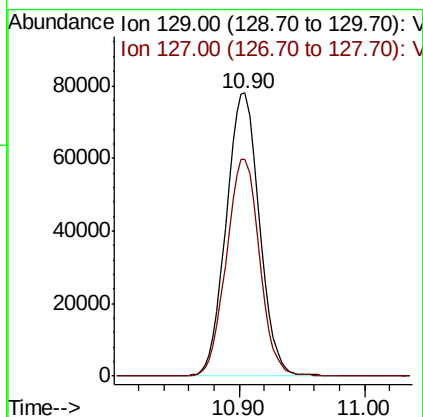
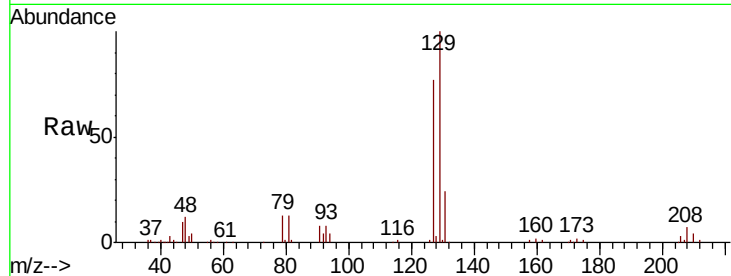
#53
Dibromochloromethane
Concen: 19.00 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Instrument :
MSVOA_N
ClientSampled :
VN0904WBSD02

Tot Ion:129 Resp: 143682
Ion Ratio Lower Upper
129 100
127 76.4 39.0 116.9

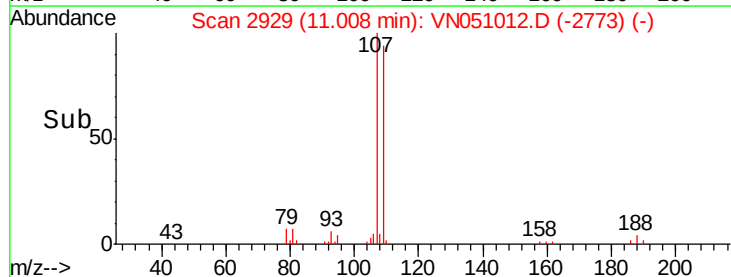
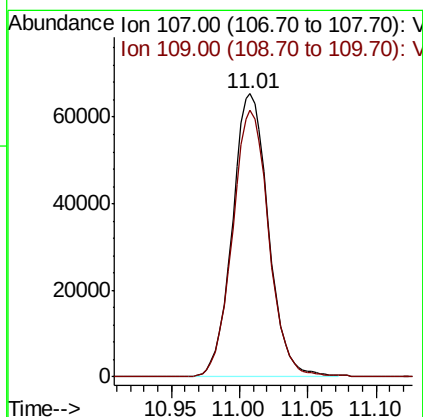
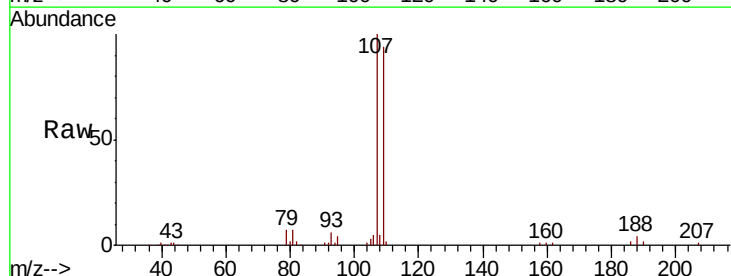
Manual Integrations
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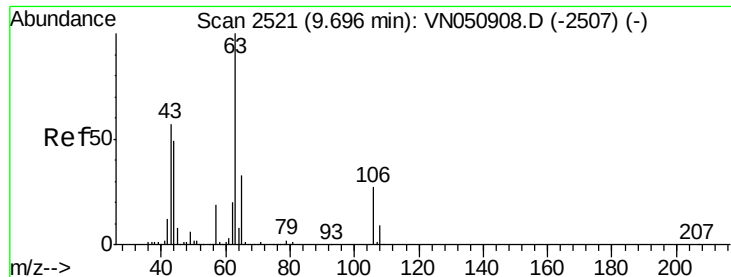
MMDadoda
9/5/2018 12:00:22 PM



#54
1,2-Dibromoethane
Concen: 18.30 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Tgt Ion:107 Resp: 120344
Ion Ratio Lower Upper
107 100
109 94.4 74.4 111.6





#55

2-Chloroethyl vinyl ether

Concen: 83.44 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

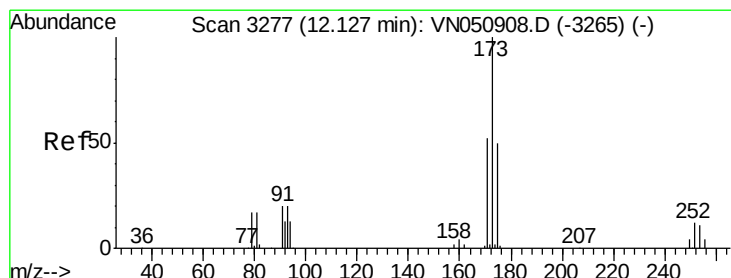
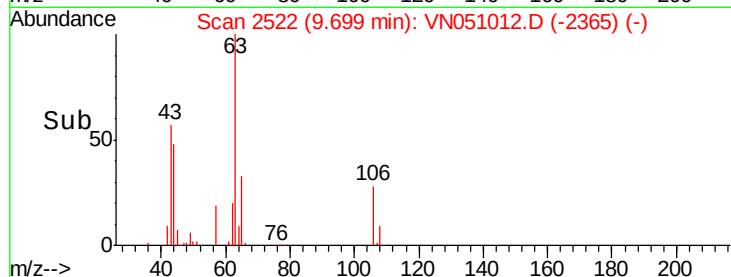
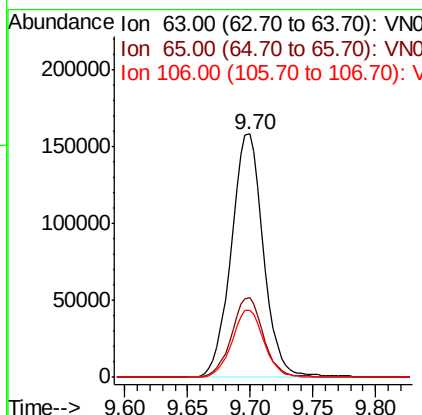
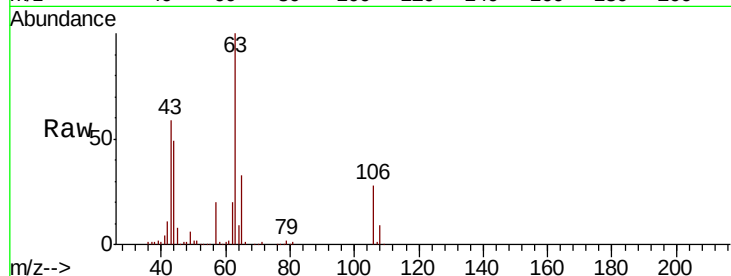
ClientSampleId :

VN0904WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.4	38.2
106	27.3	22.0	33.0

Manual Integrations
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#56

Bromoform

Concen: 17.93 ug/l

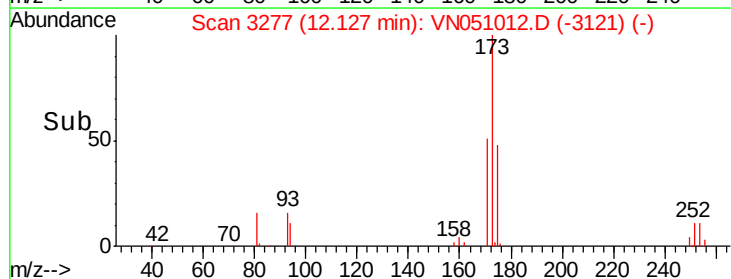
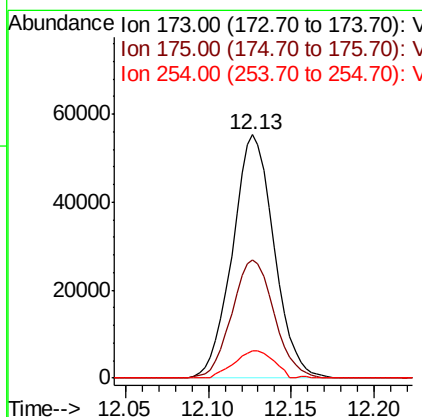
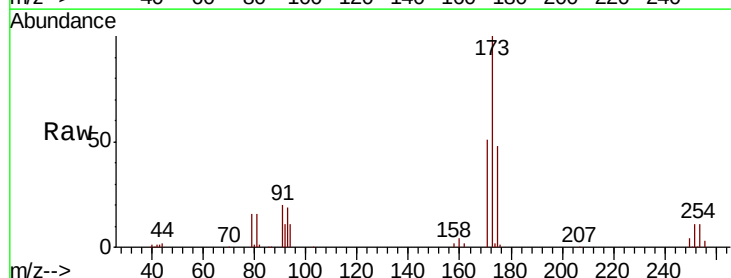
RT: 12.13 min Scan# 3277

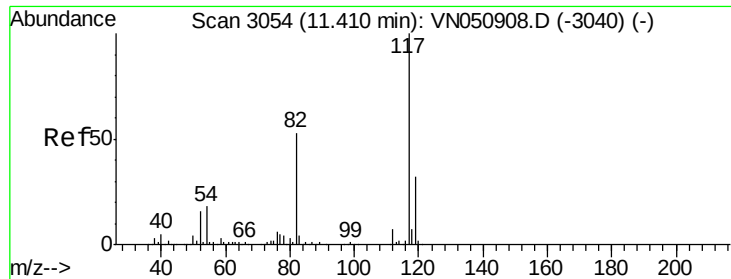
Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.2	58.8
254	10.7	9.0	13.6





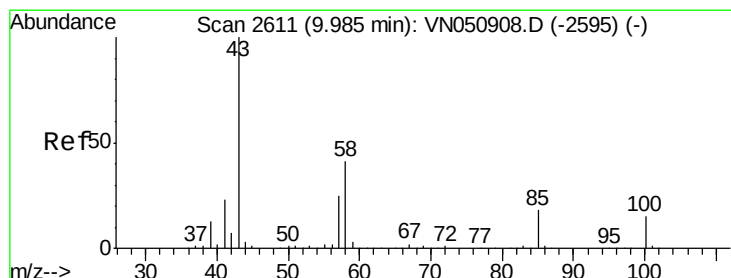
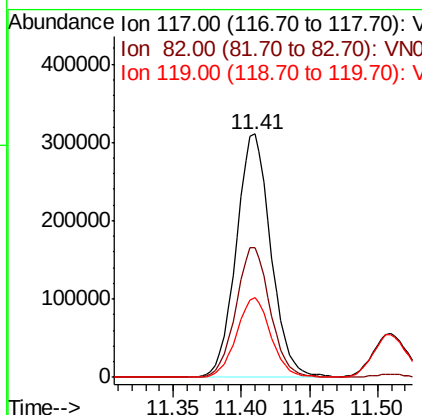
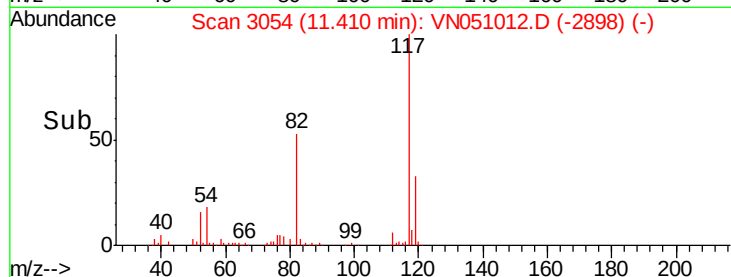
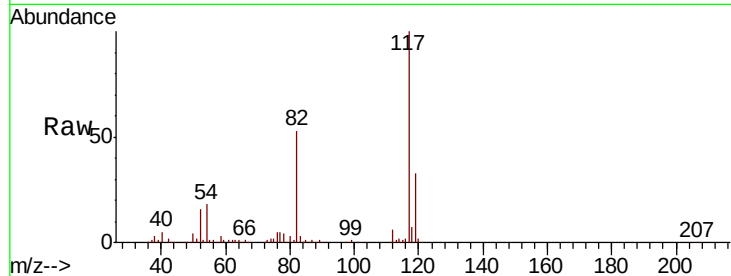
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.6	64.0
119	32.4	25.7	38.5

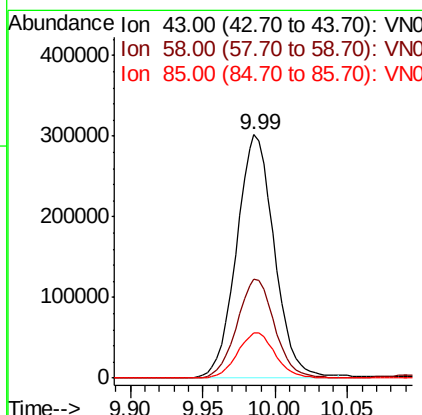
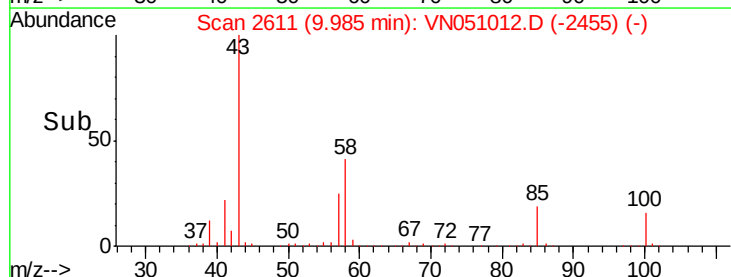
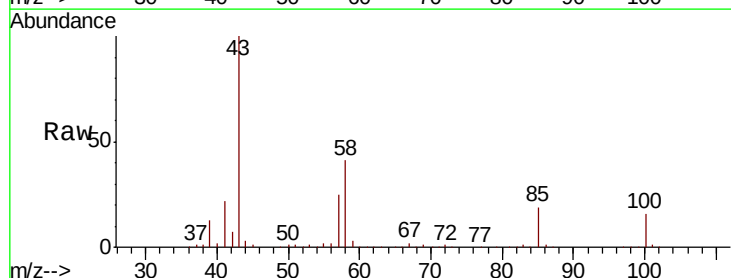
Manual Integrations
APPROVED

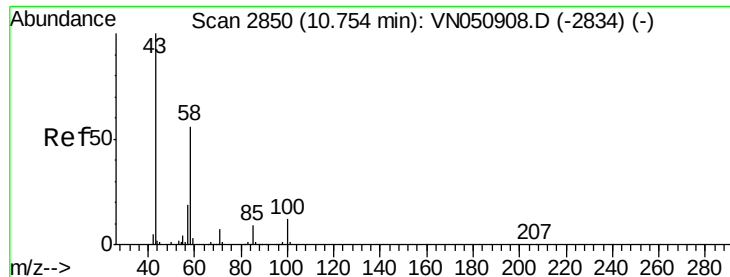
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 86.81 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.9	32.3	48.5
85	18.7	14.9	22.3





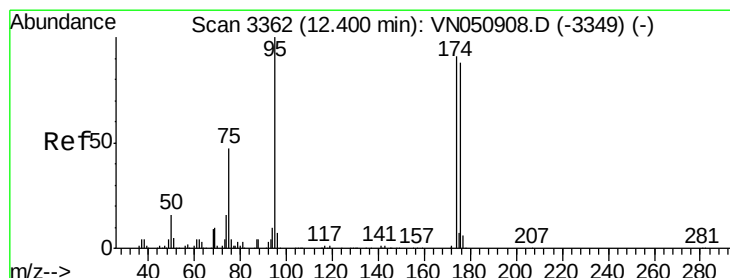
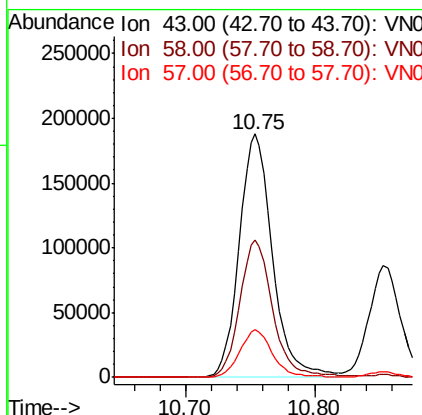
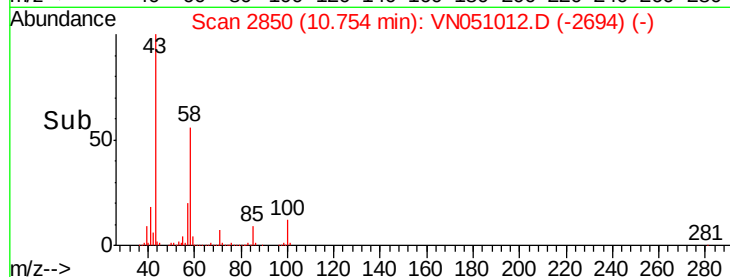
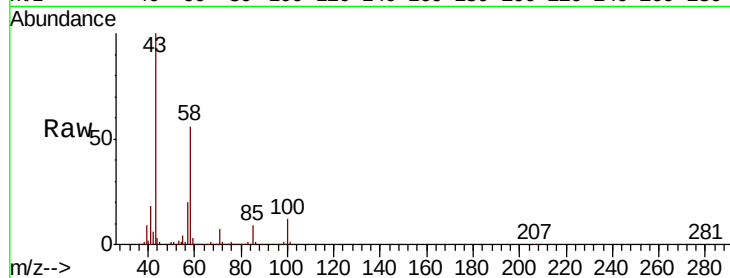
#59
2-Hexanone
Concen: 81.90 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Instrument :
MSVOA_N
ClientSampled :
VN0904WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.1	45.5	68.3
57	19.6	15.2	22.8

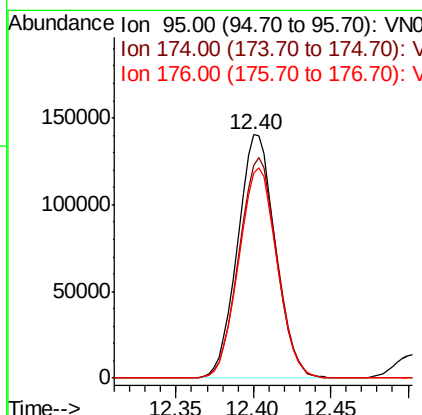
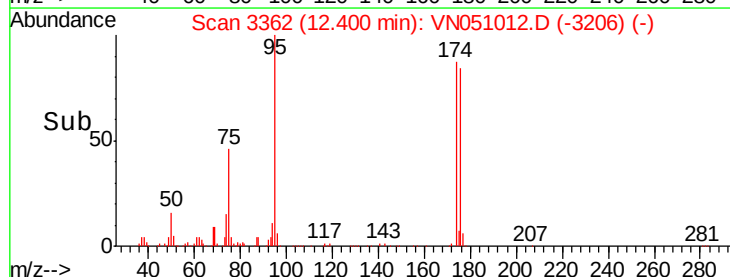
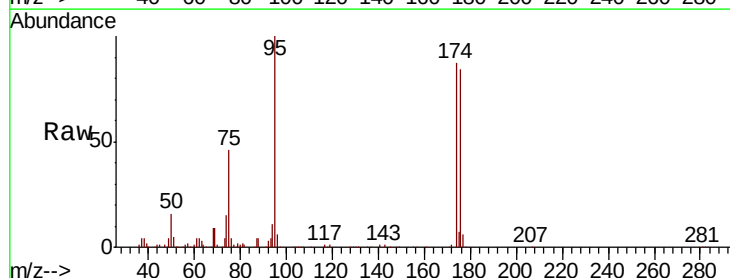
Manual Integrations
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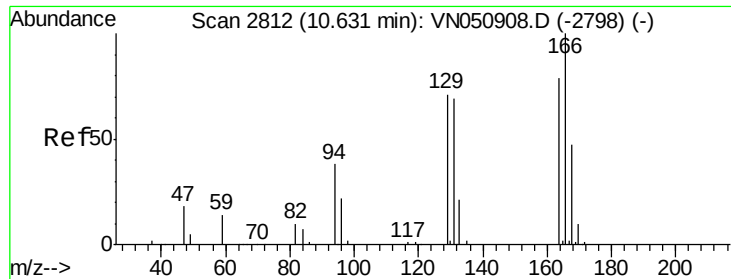
MMDadoda
9/5/2018 12:00:22 PM



#60
4-Bromofluorobenzene
Concen: 29.32 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.3	74.6	112.0
176	87.7	71.5	107.3





#61

Tetrachloroethene

Concen: 19.54 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

ClientSampled :

VN0904WBSD02

Tot Ion:164 Resp: 133322

Ion Ratio Lower Upper

164 100

166 130.4 100.6 151.0

129 93.7 71.0 106.6

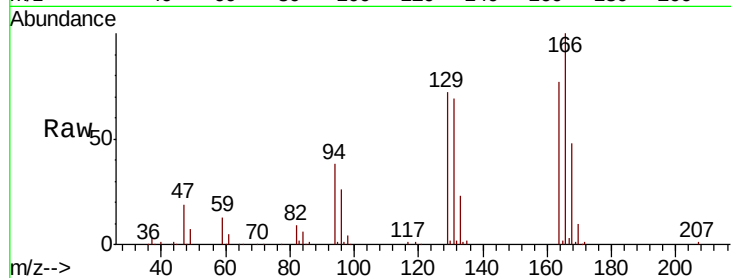
131 89.7 69.3 103.9

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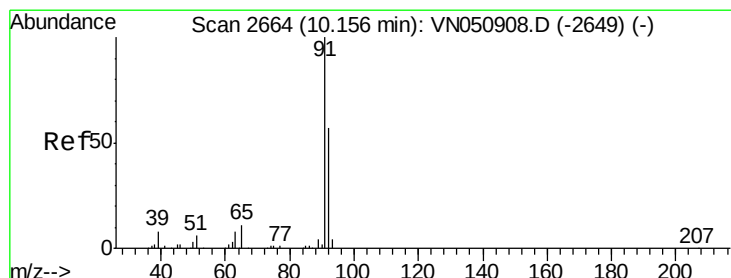
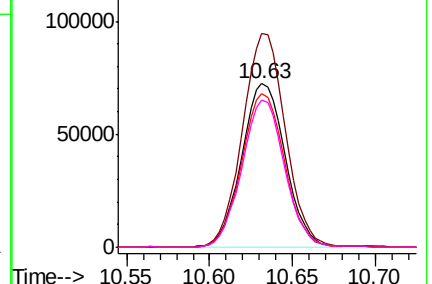
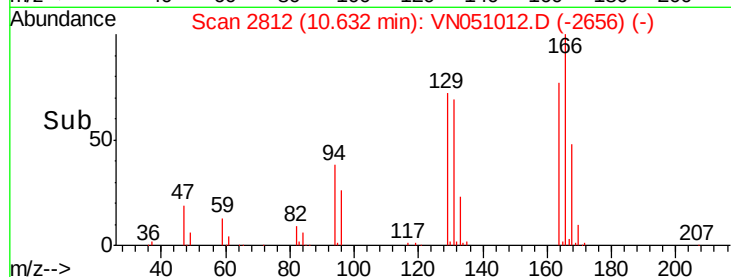
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.75 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN051012.D

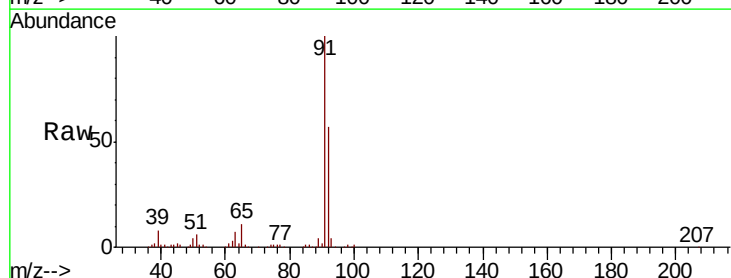
Acq: 4 Sep 2018 12:13

Tgt Ion: 91 Resp: 603074

Ion Ratio Lower Upper

91 100

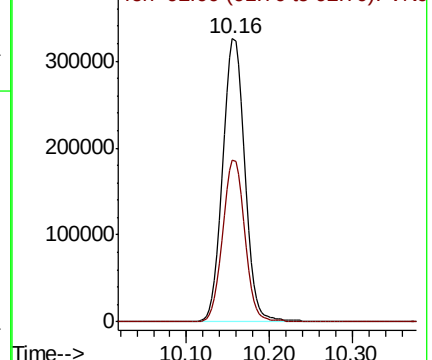
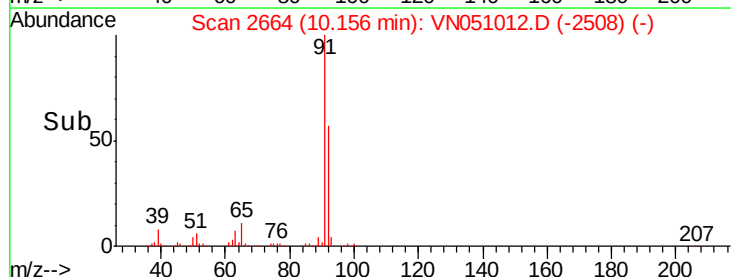
92 57.1 45.8 68.8

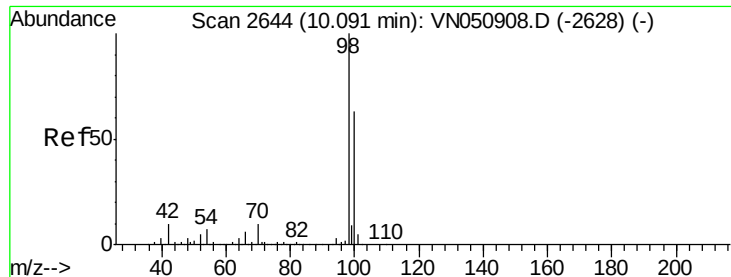


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.84 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBSD02

Tot Ion: 98 Resp: 787223

Ion Ratio Lower Upper

98 100

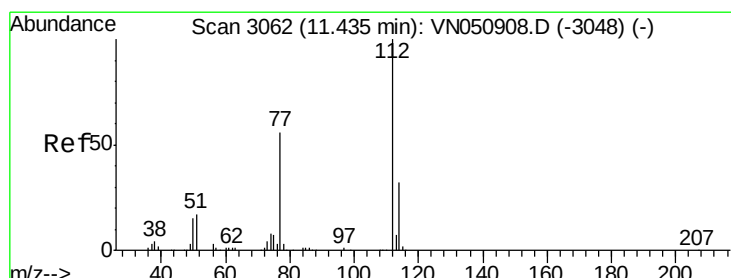
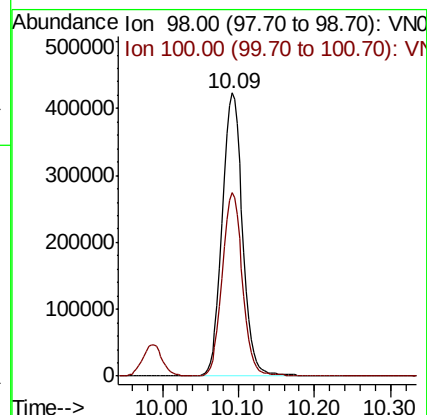
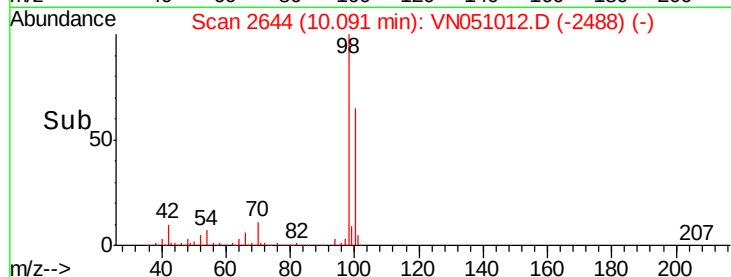
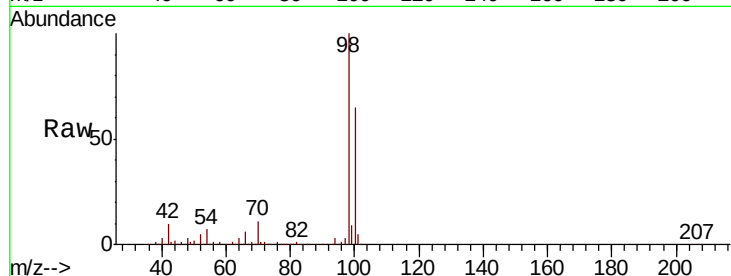
100 64.0 50.6 75.8

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#64

Chlorobenzene

Concen: 19.14 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN051012.D

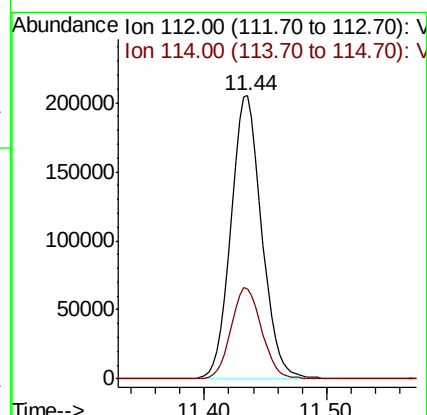
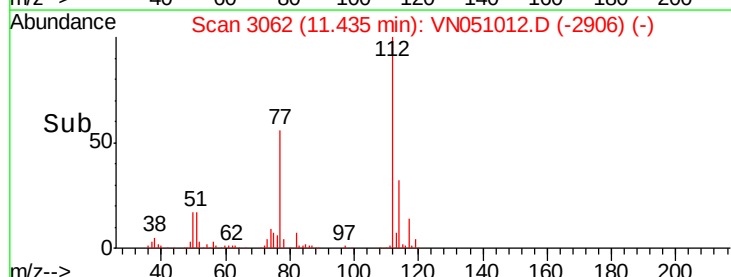
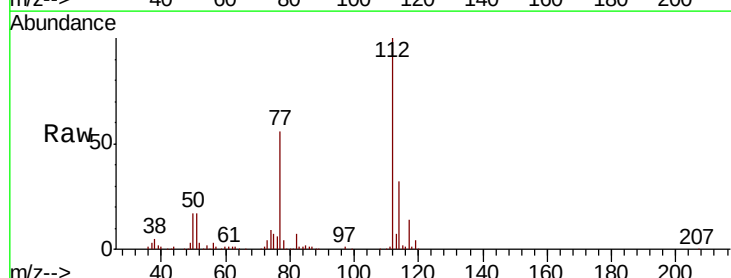
Acq: 4 Sep 2018 12:13

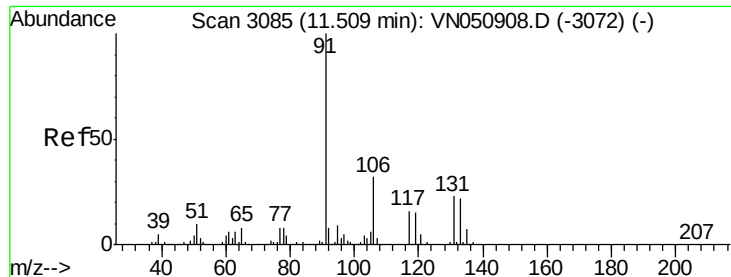
Tgt Ion: 112 Resp: 362243

Ion Ratio Lower Upper

112 100

114 32.0 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.73 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

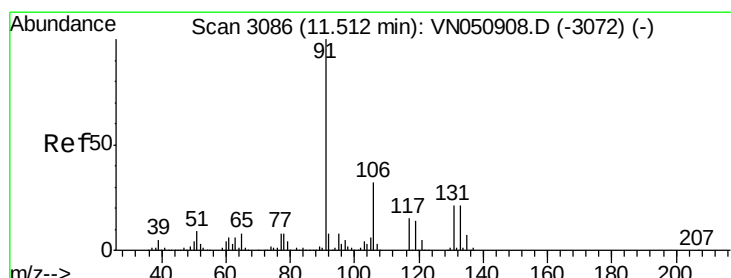
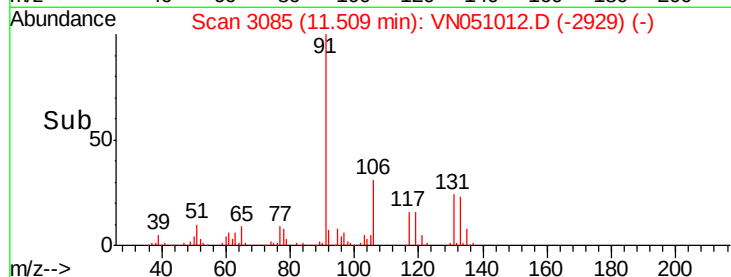
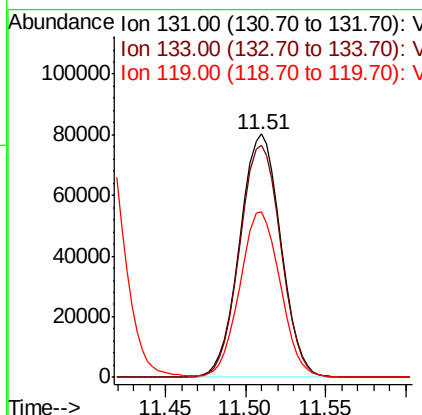
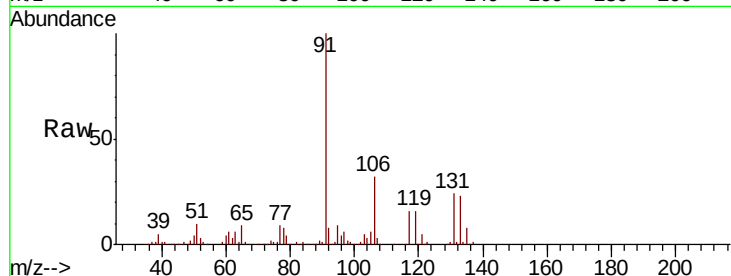
ClientSampled :

VN0904WBSD02

Tot Ion:	131	Resp:	140969
Ion Ratio	Lower	Upper	
131	100		
133	95.5	0.0	189.4
119	66.9	0.0	132.2

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#66

Ethyl Benzene

Concen: 18.49 ug/l

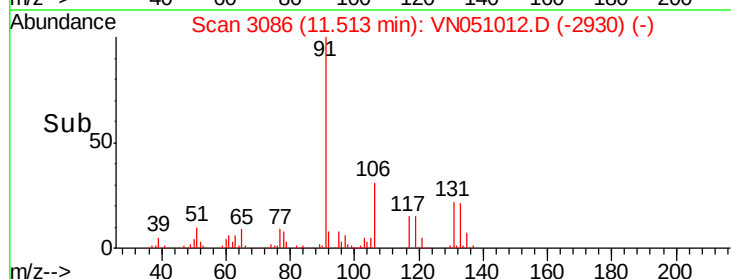
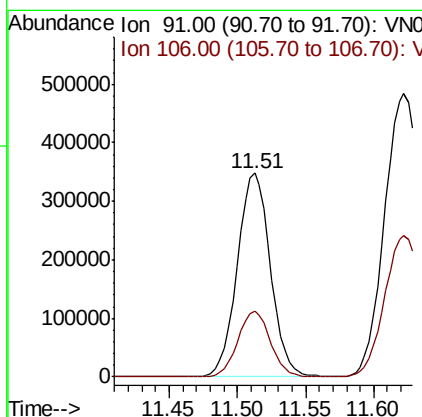
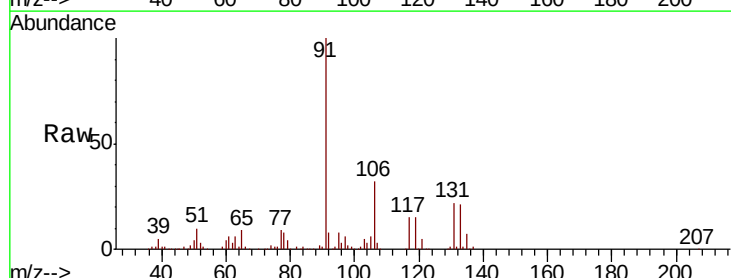
RT: 11.51 min Scan# 3086

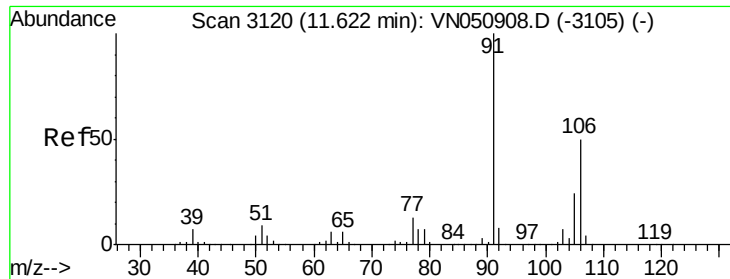
Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Tgt Ion:	91	Resp:	584783
Ion Ratio	Lower	Upper	
91	100		
106	32.2	25.7	38.5





#67

m/p-Xylenes

Concen: 38.51 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

ClientSampled :

VN0904WBSD02

Tot Ion:106 Resp: 468687

Ion Ratio Lower Upper

106 100

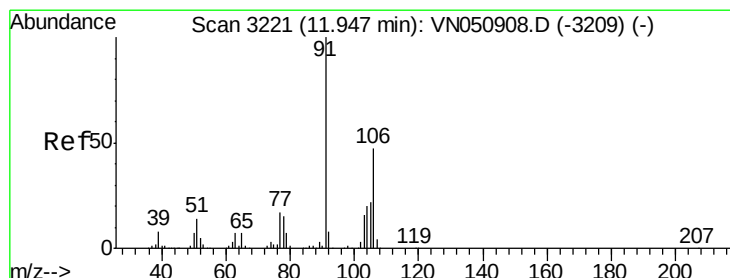
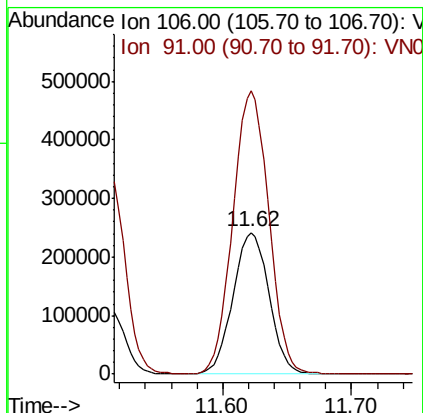
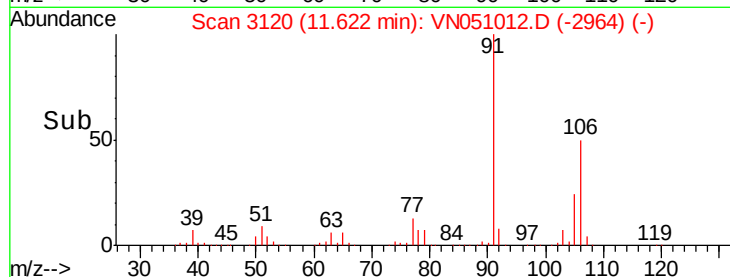
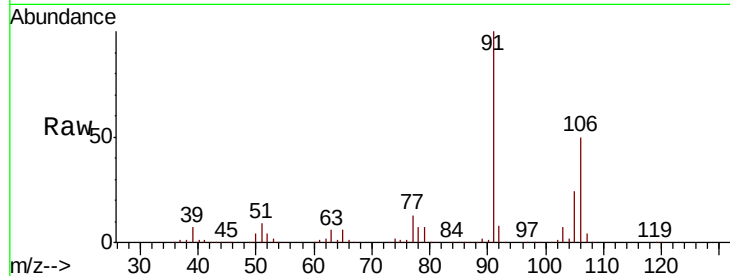
91 199.5 160.6 241.0

Manual Integrations

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#68

o-Xylene

Concen: 19.12 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN051012.D

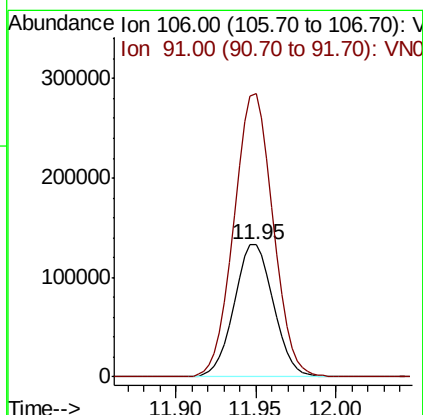
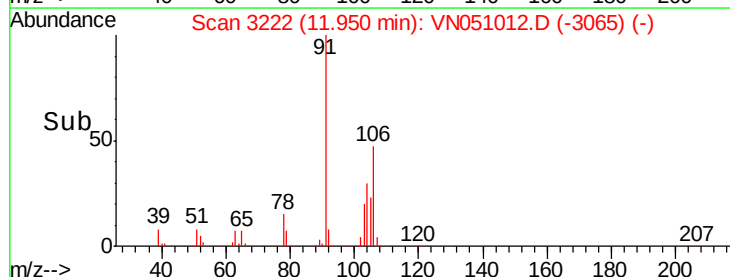
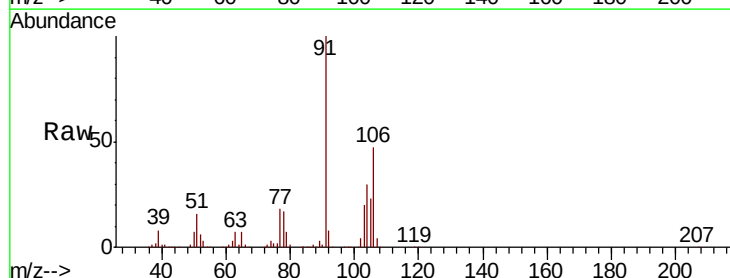
Acq: 4 Sep 2018 12:13

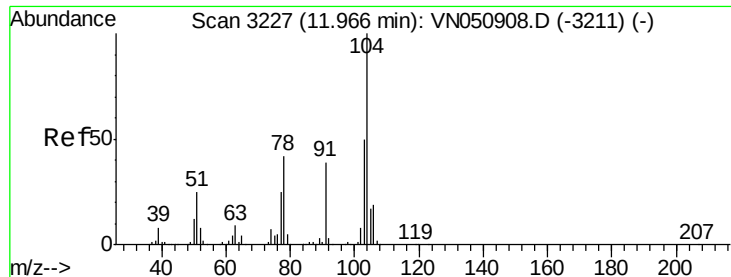
Tgt Ion:106 Resp: 222335

Ion Ratio Lower Upper

106 100

91 213.3 106.4 319.2





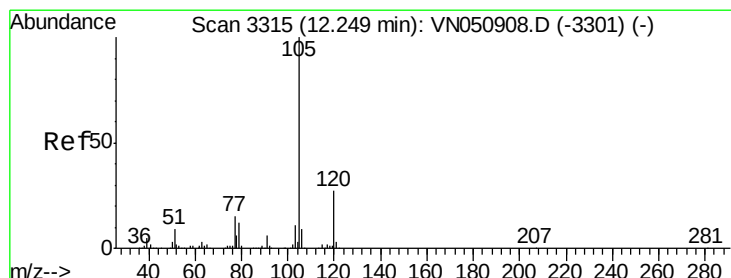
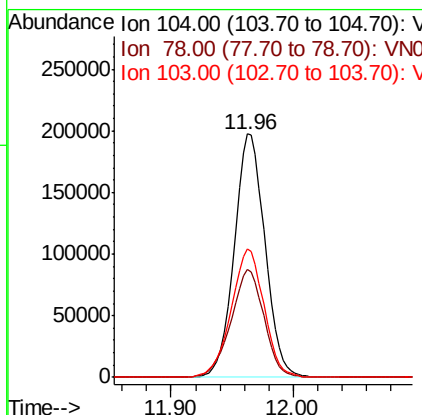
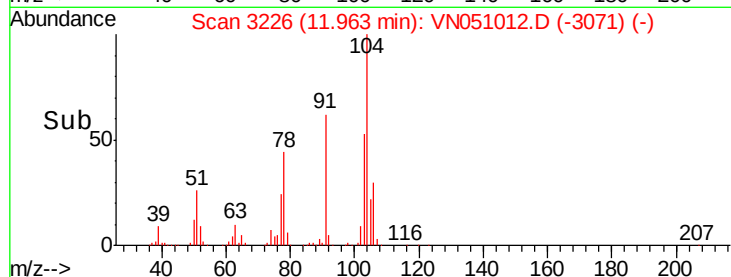
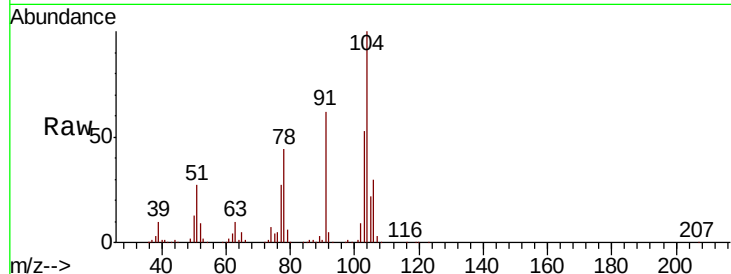
#69
 Stvrene
 Concen: 18.58 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. -0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0904WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
104	100	343607		
78	47.9		38.6	58.0
103	56.6		45.4	68.2

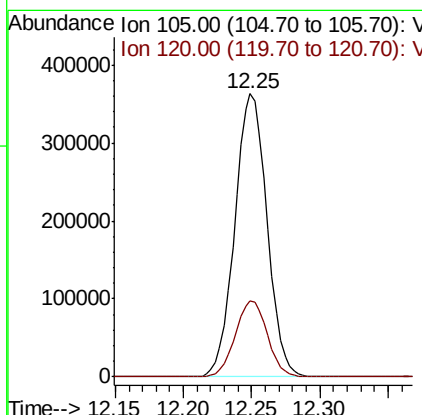
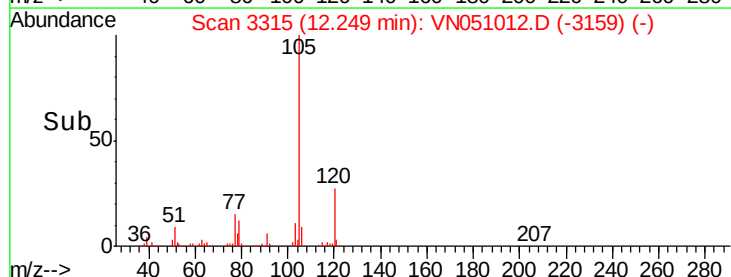
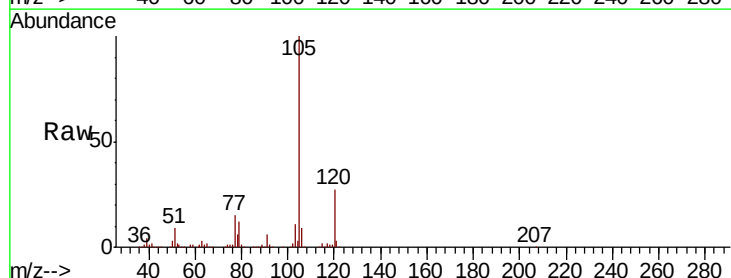
Manual Integrations
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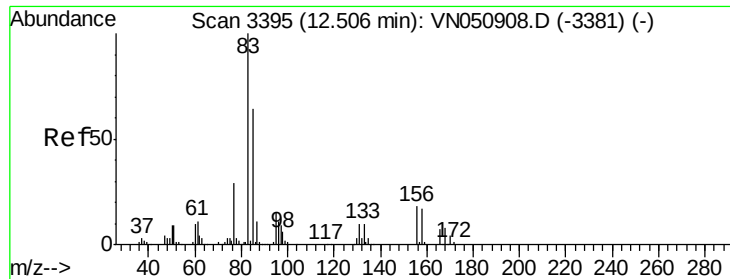
MMDadoda
 9/5/2018 12:00:22 PM



#70
 Isopropylbenzene
 Concen: 19.19 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	593173		
120	26.7		18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 18.55 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBSD02

Tot Ion: 83 Resp: 155199

Ion Ratio Lower Upper

83 100

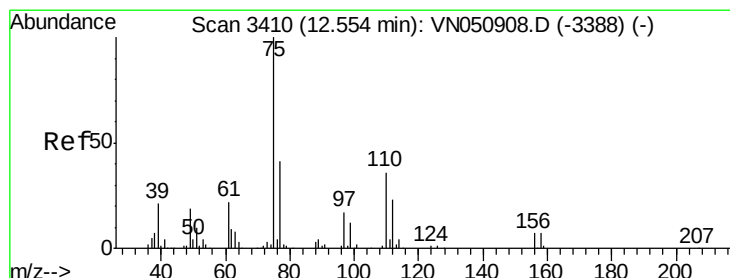
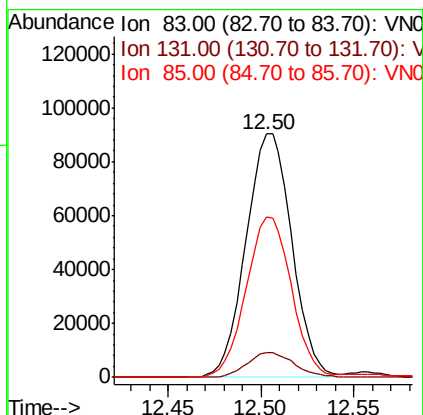
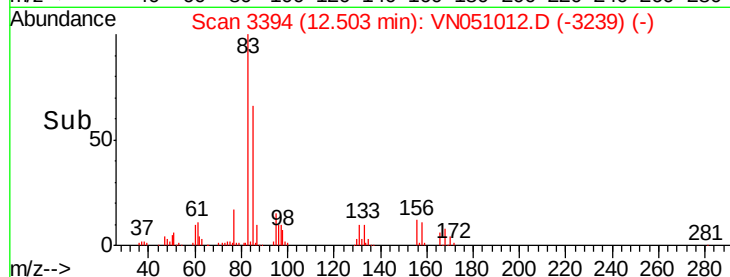
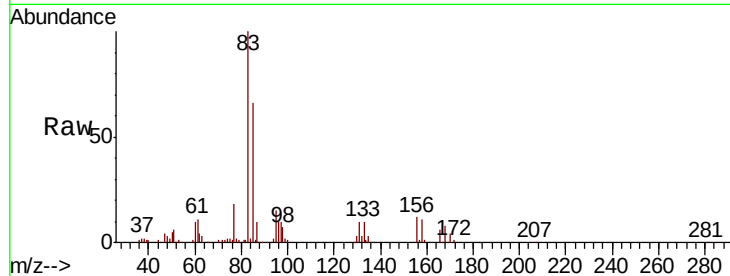
131 10.5 5.3 15.9

85 65.1 32.3 96.9

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#72

1,2,3-Trichloropropane

Concen: 16.05 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN051012.D

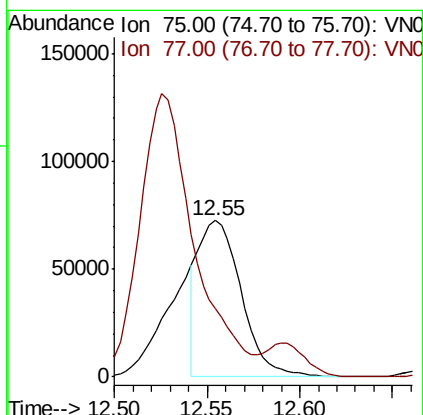
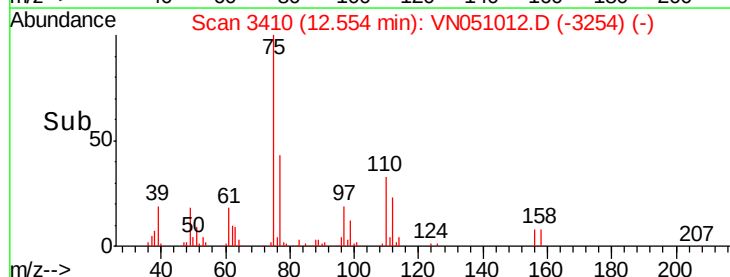
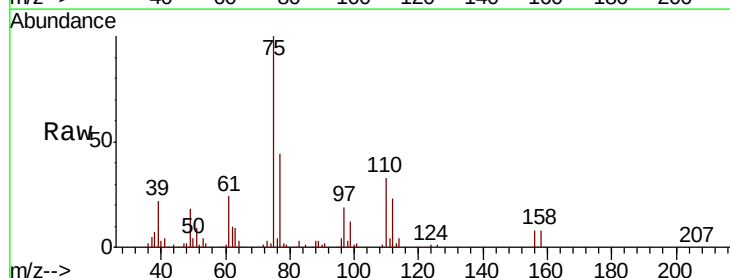
Acq: 4 Sep 2018 12:13

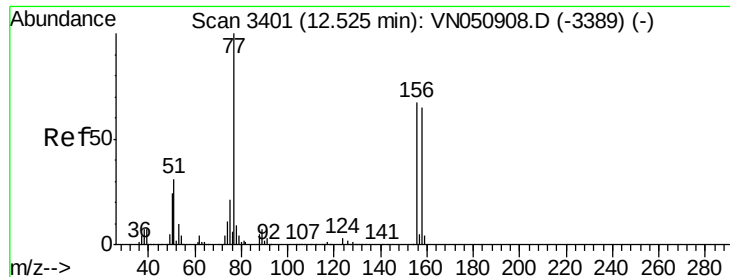
Tgt Ion: 75 Resp: 115851

Ion Ratio Lower Upper

75 100

77 233.5 0.0 301.6





#73

Bromobenzene

Concen: 18.71 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

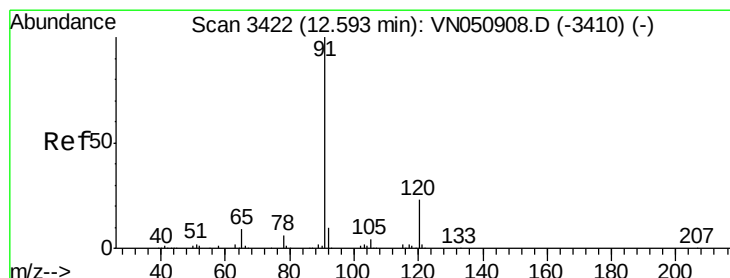
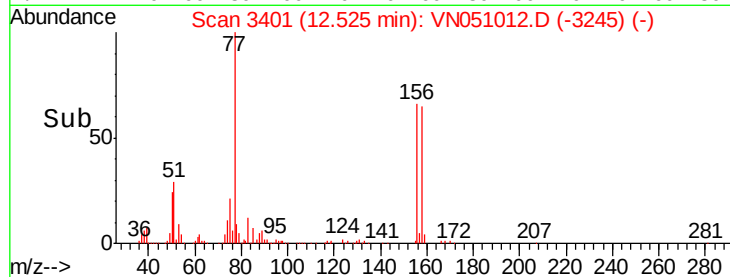
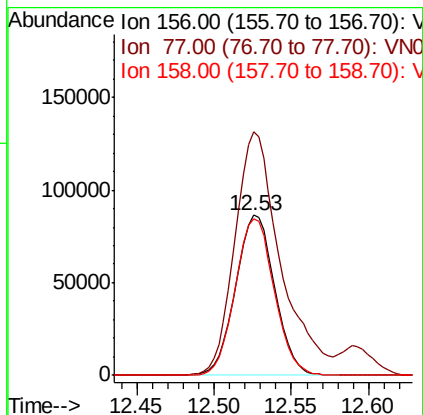
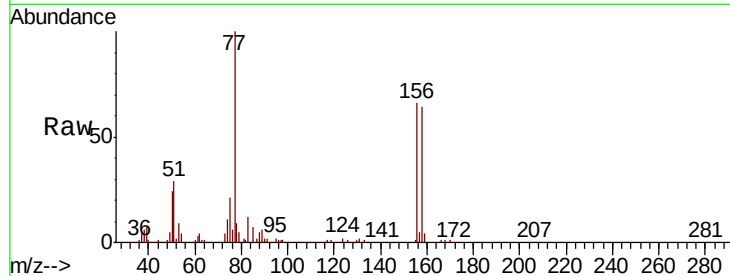
ClientSampleId :

VN0904WBSD02

Tot Ion:	156	Resp:	152112
Ion Ratio	Lower	Upper	
156	100		
77	177.8	0.0	359.4
158	97.5	0.0	194.6

Manual Integrations
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#74

n-propylbenzene

Concen: 18.69 ug/l

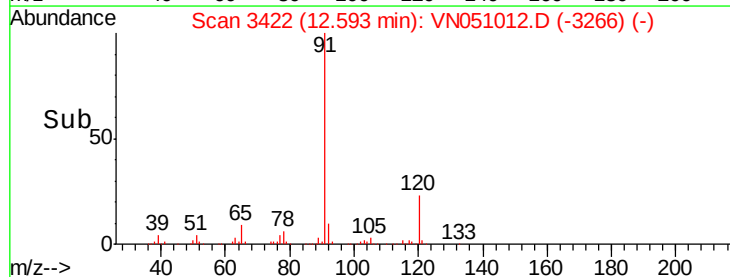
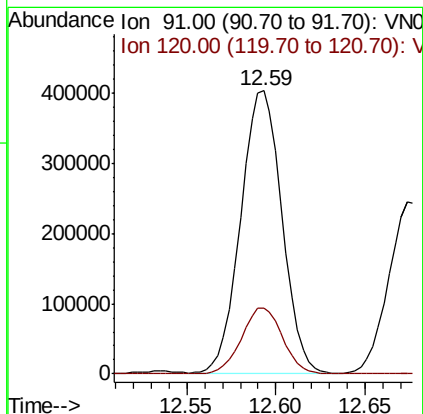
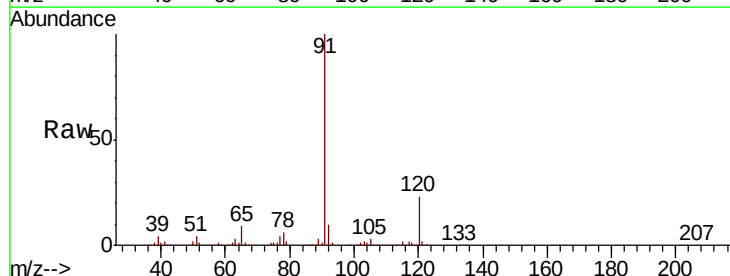
RT: 12.59 min Scan# 3422

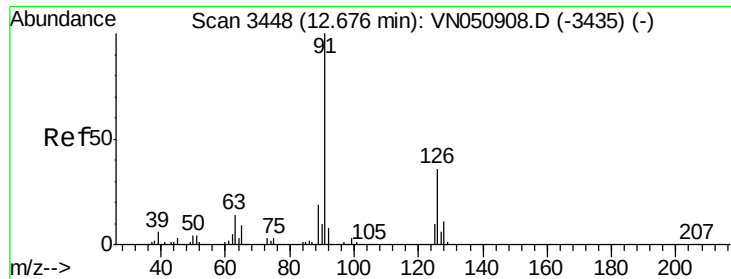
Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Tgt Ion:	91	Resp:	652998
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	46.0





#75

2-Chlorotoluene

Concen: 19.06 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

ClientSampled :

VN0904WBSD02

Tot Ion: 91 Resp: 404543

Ion Ratio Lower Upper

91 100

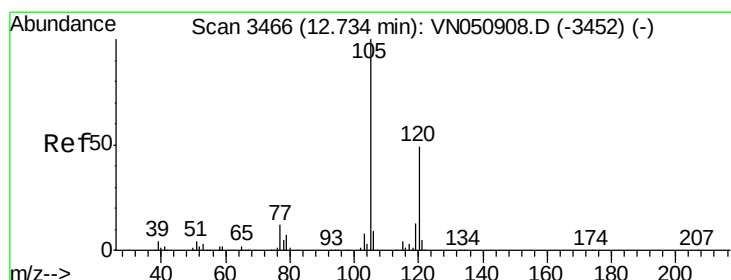
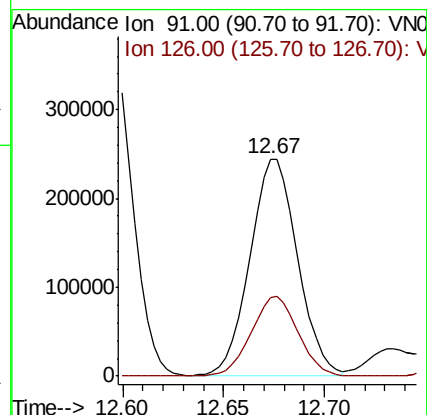
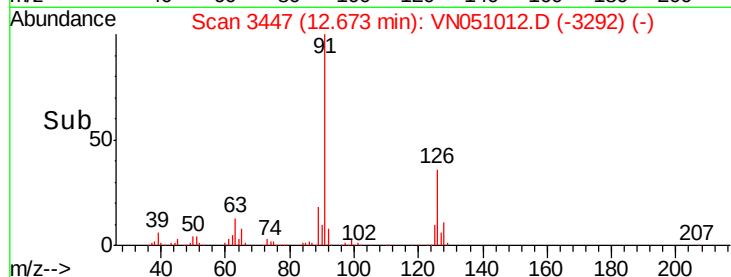
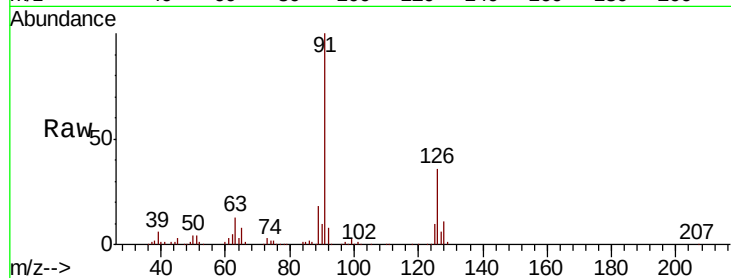
126 36.1 0.0 71.8

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 19.42 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN051012.D

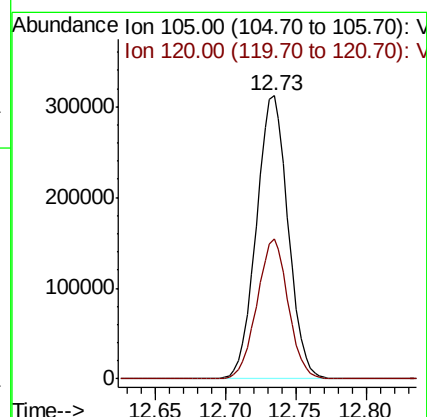
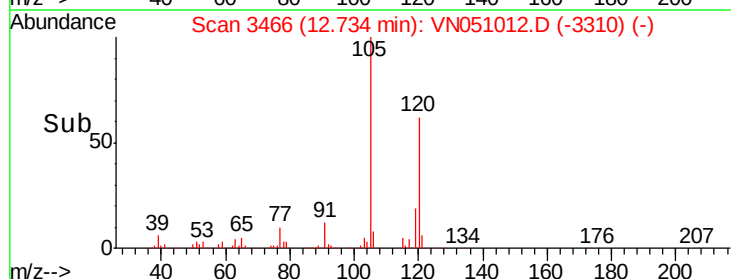
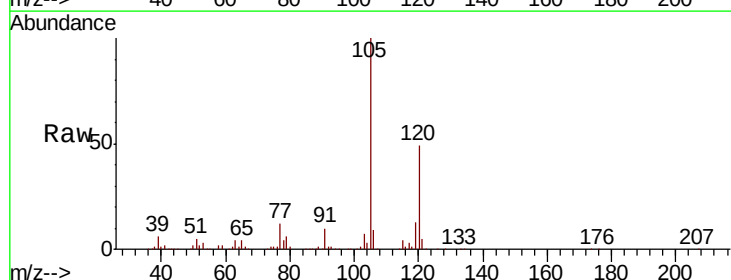
Acq: 4 Sep 2018 12:13

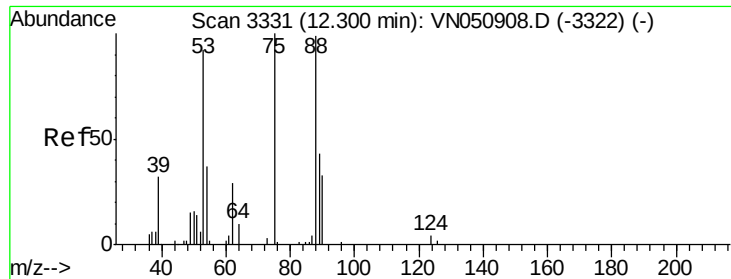
Tgt Ion: 105 Resp: 490412

Ion Ratio Lower Upper

105 100

120 48.6 0.0 99.6





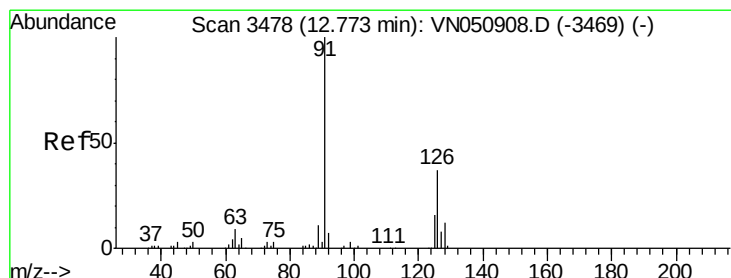
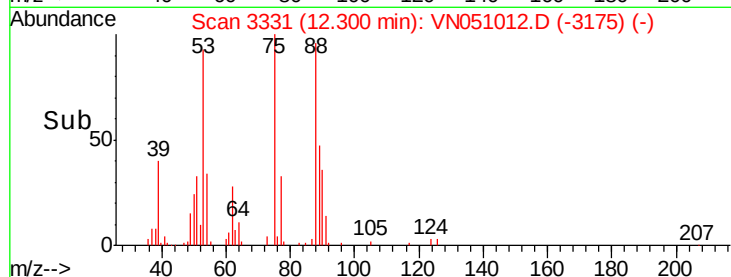
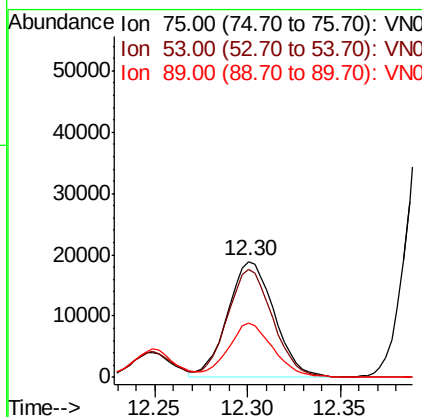
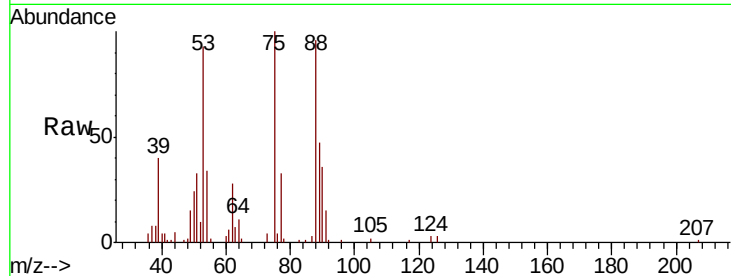
#77
t-1,4-Dichloro-2-butene
Concen: 16.07 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Instrument :
MSVOA_N
ClientSampled :
VN0904WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.0	45.5	136.4
89	46.8	21.9	65.8

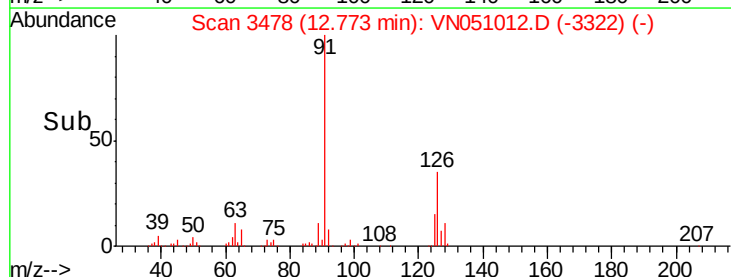
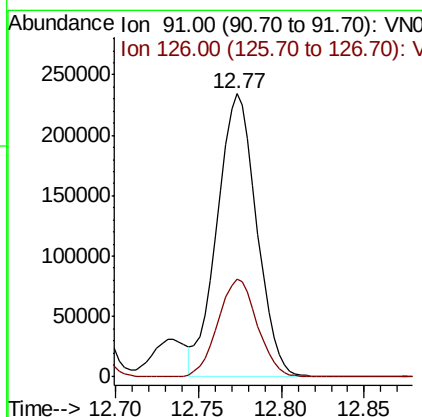
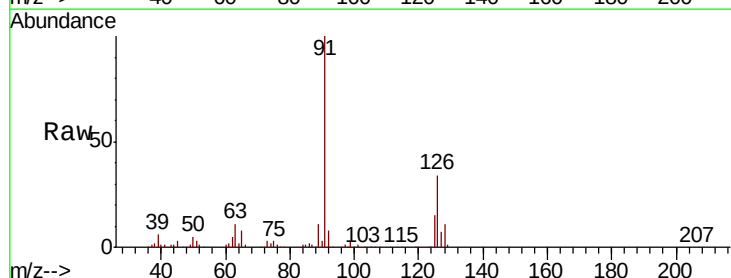
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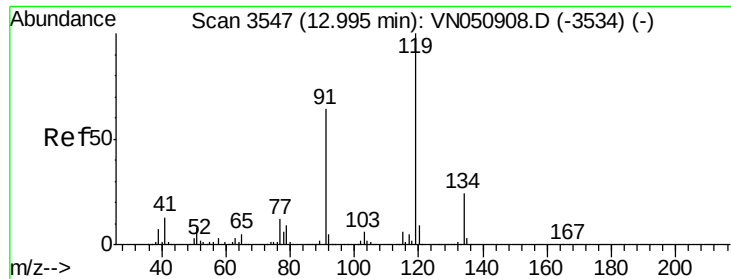
MMDadoda
9/5/2018 12:00:22 PM



#78
4-Chlorotoluene
Concen: 18.56 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	0.0	69.8





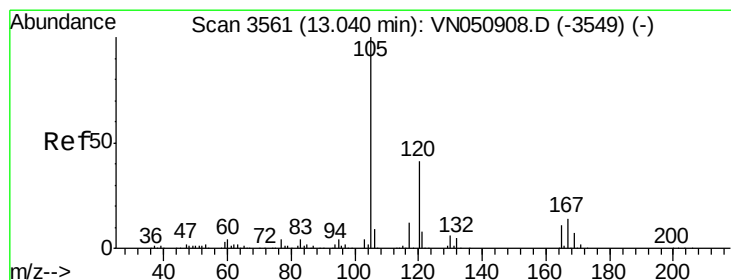
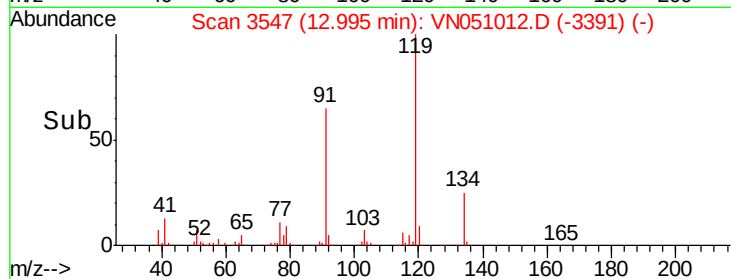
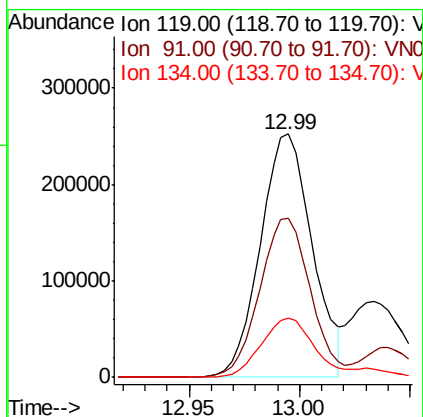
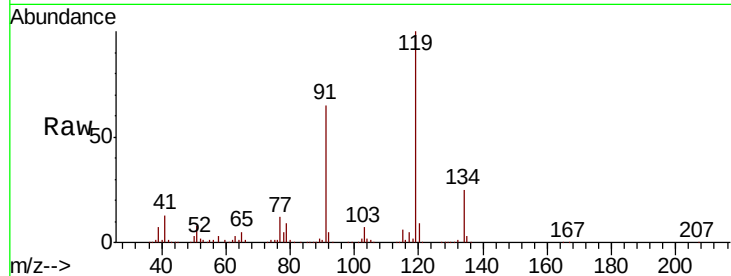
#79
tert-butylbenzene
Concen: 18.78 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	411789		
91	63.9	0.0	125.6	
134	24.5	0.0	48.4	

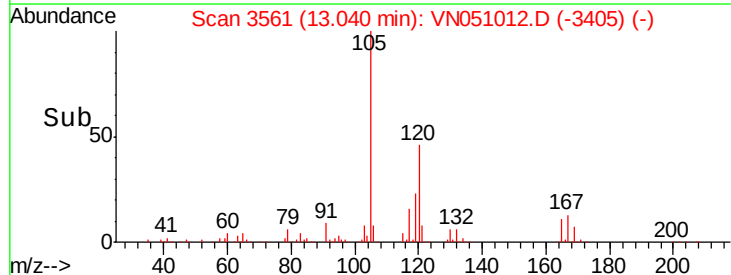
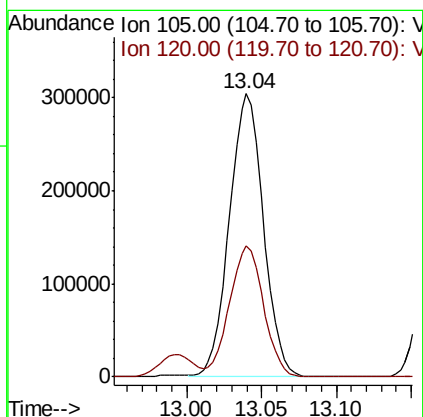
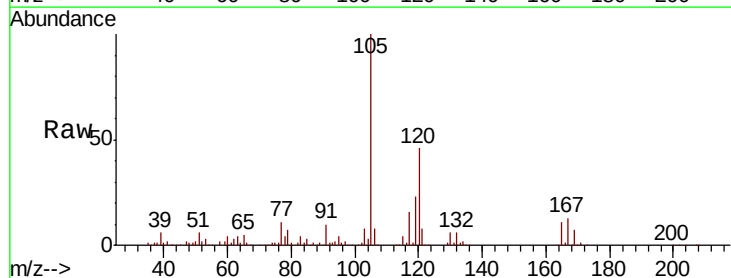
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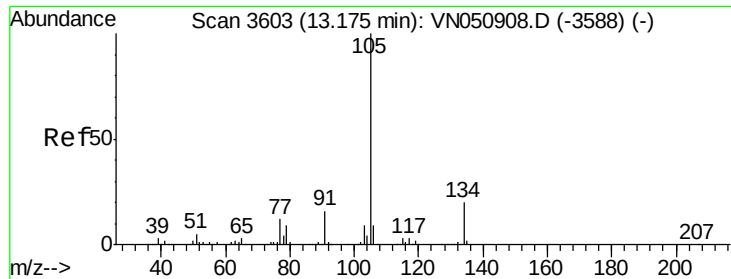
MMDadoda
9/5/2018 12:00:22 PM



#80
1,2,4-Trimethylbenzene
Concen: 19.14 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN051012.D
Acq: 4 Sep 2018 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	481979		
120	46.4	0.0	93.6	





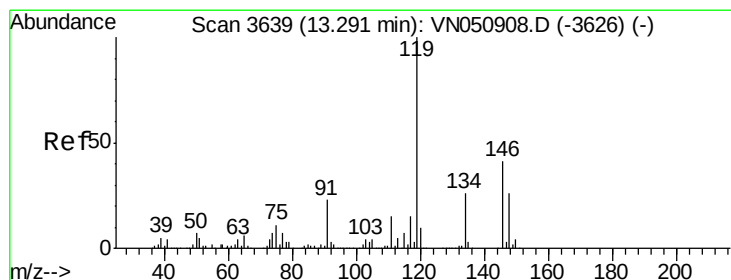
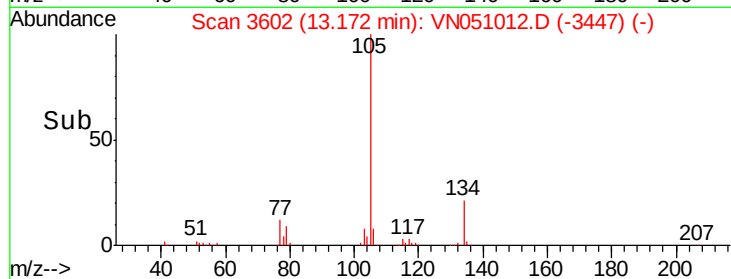
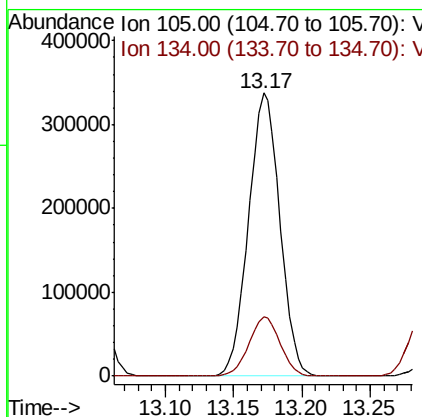
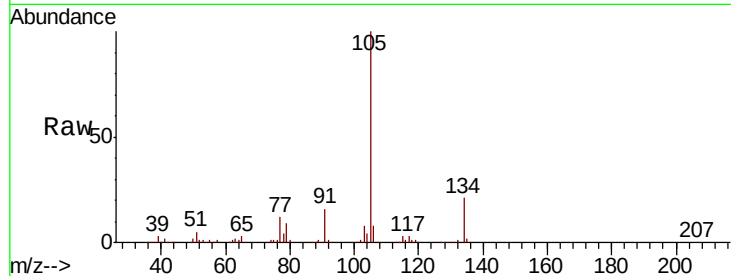
#81
 sec-Butylbenzene
 Concen: 18.73 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	0.0	40.8

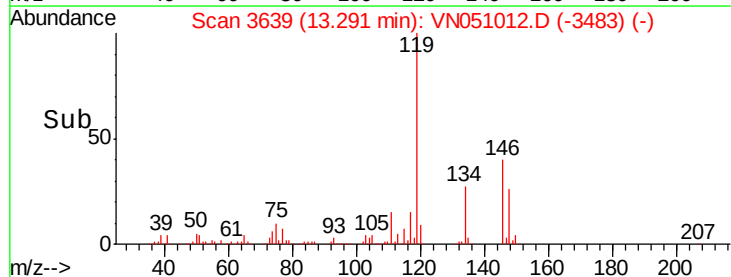
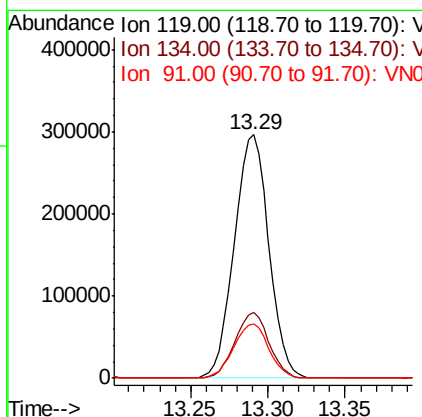
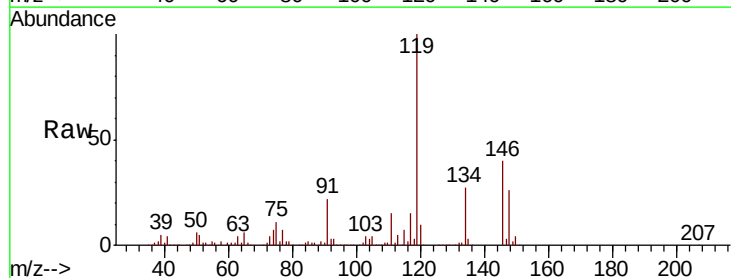
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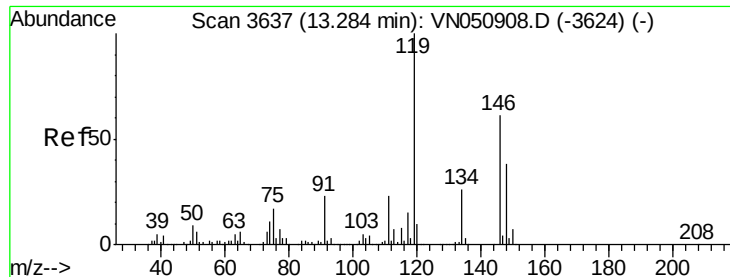
MMDadoda
 9/5/2018 12:00:22 PM



#82
 p-Isopropyltoluene
 Concen: 18.50 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	0.0	53.2
91	22.7	0.0	46.0





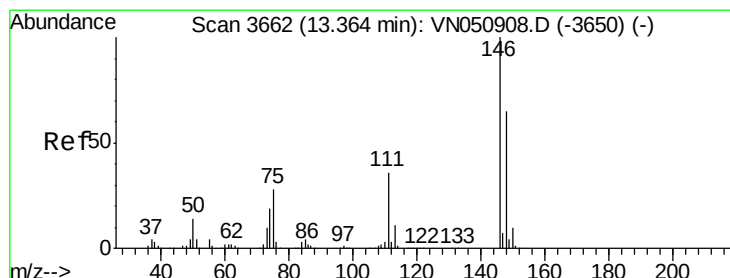
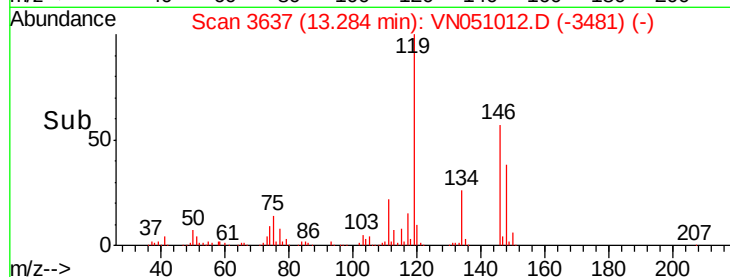
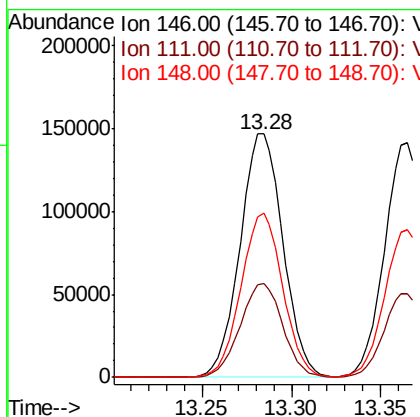
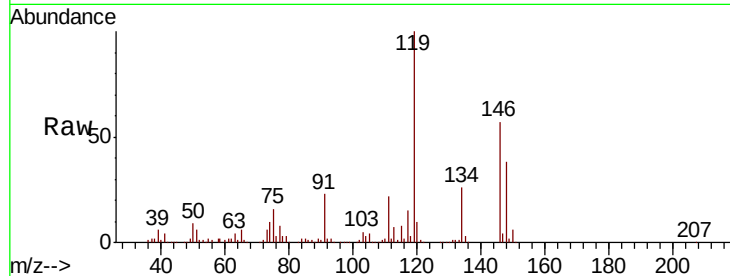
#83
 1,3-Dichlorobenzene
 Concen: 17.95 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	55.6
148	65.3	31.8	95.3

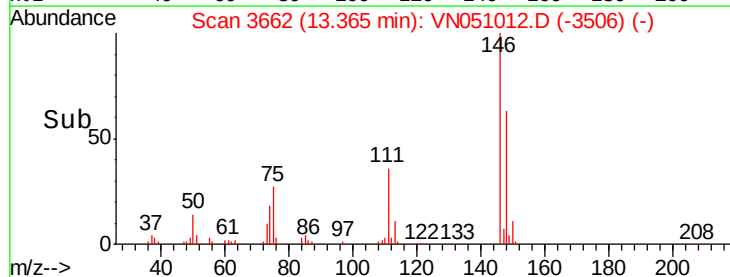
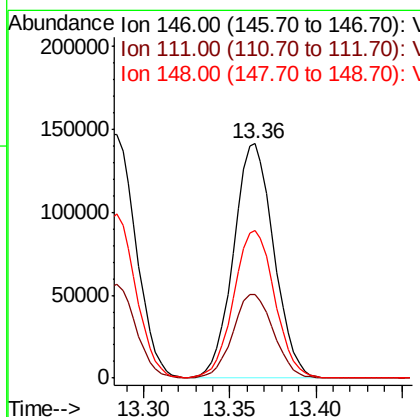
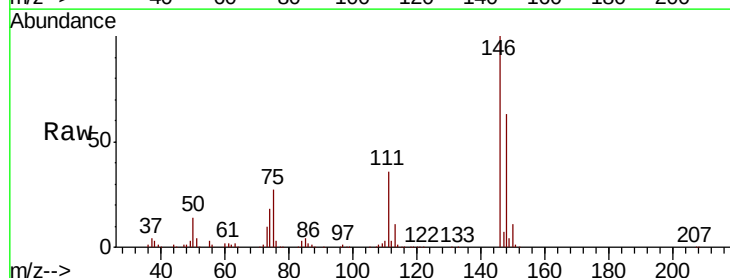
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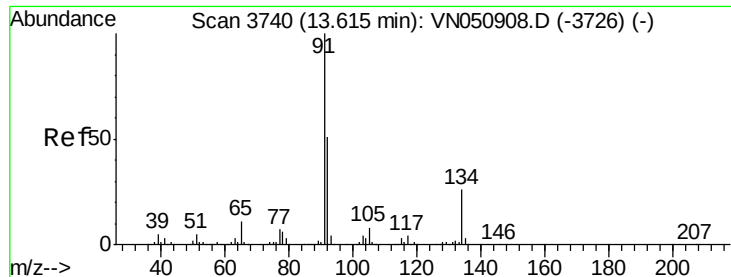
MMDadoda
 9/5/2018 12:00:22 PM



#84
 1,4-Dichlorobenzene
 Concen: 17.74 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	17.7	53.1
148	64.2	31.6	94.8





#85

n-Butylbenzene

Concen: 16.80 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

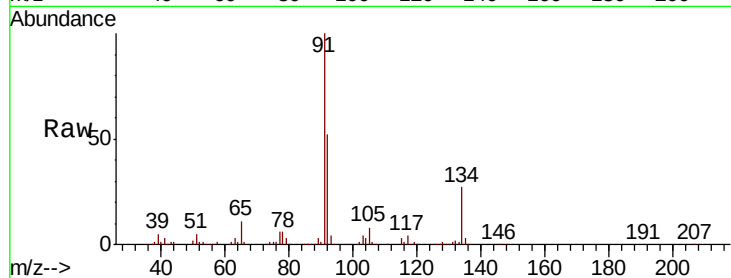
ClientSampleId :

VN0904WBSD02

Tot Ion:	91	Resp:	317501
Ion	Ratio	Lower	Upper
91	100		
92	51.8	0.0	101.8
134	26.3	0.0	52.2

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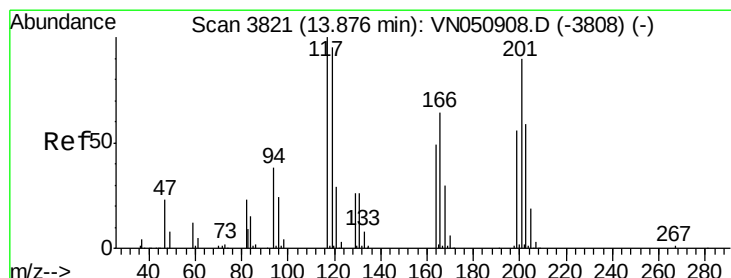
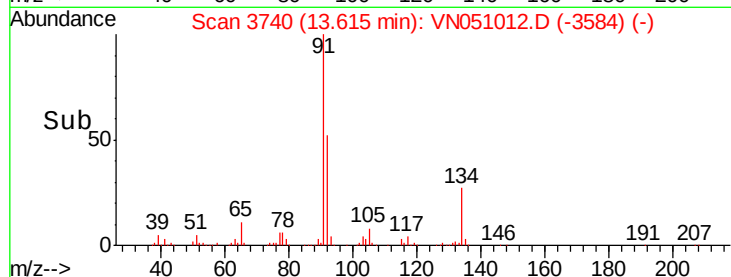
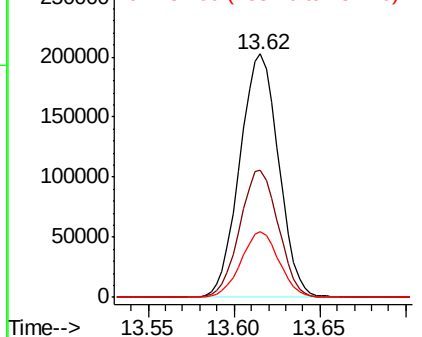


Abundance

Ion 91.00 (90.70 to 91.70): VN051012.D (-3584) (-)

Ion 92.00 (91.70 to 92.70): VN051012.D (-3584) (-)

Ion 134.00 (133.70 to 134.70): VN051012.D (-3584) (-)



#86

Hexachloroethane

Concen: 18.78 ug/l

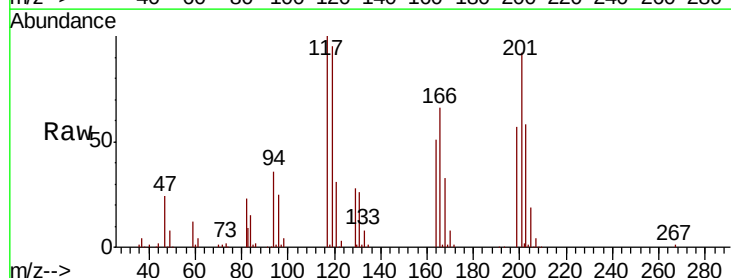
RT: 13.87 min Scan# 3820

Delta R.T. -0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

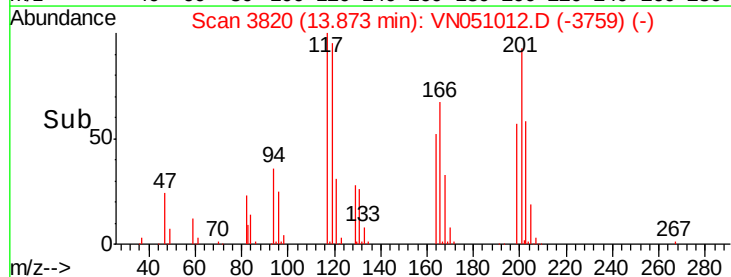
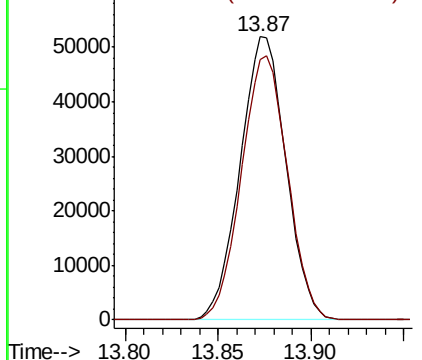
Tgt Ion:	117	Resp:	89306
Ion	Ratio	Lower	Upper
117	100		
201	93.3	45.8	137.4

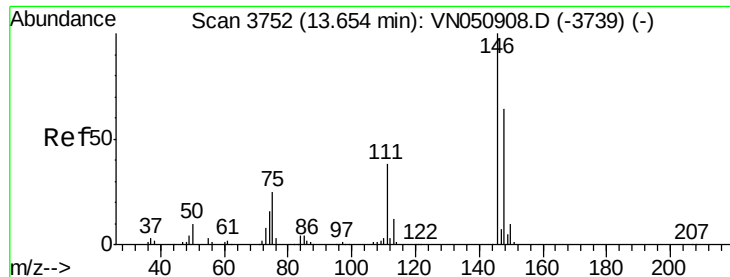


Abundance

Ion 117.00 (116.70 to 117.70): VN051012.D (-3759) (-)

Ion 201.00 (200.70 to 201.70): VN051012.D (-3759) (-)





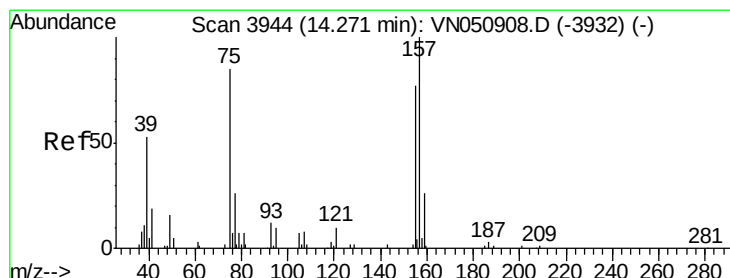
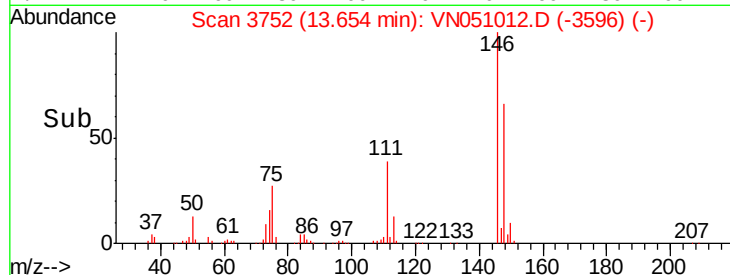
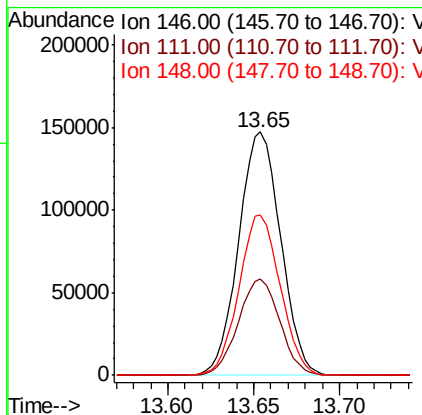
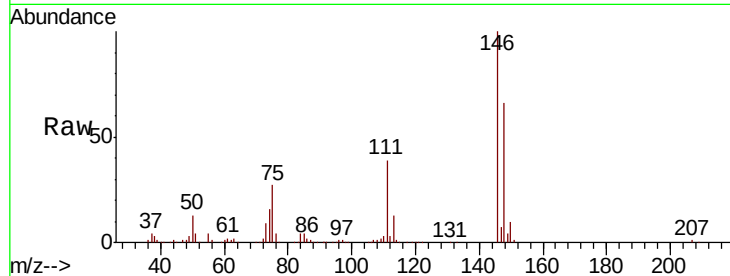
#87
 1,2-Dichlorobenzene
 Concen: 18.47 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.1
148	64.6	31.9	95.9

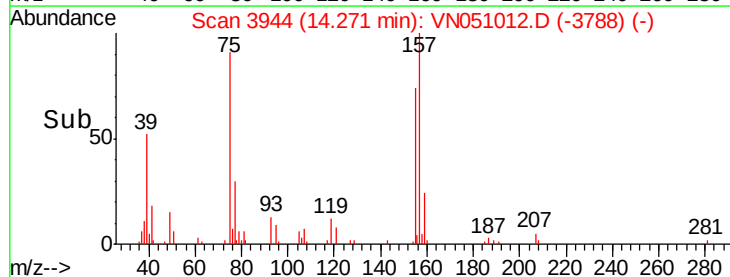
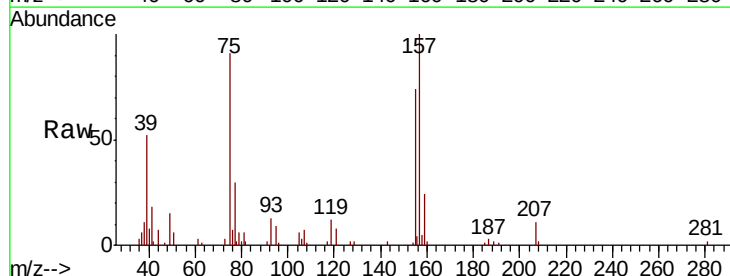
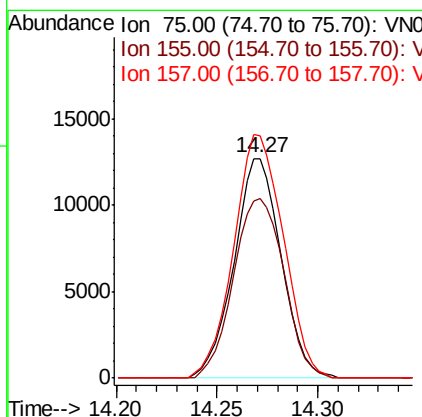
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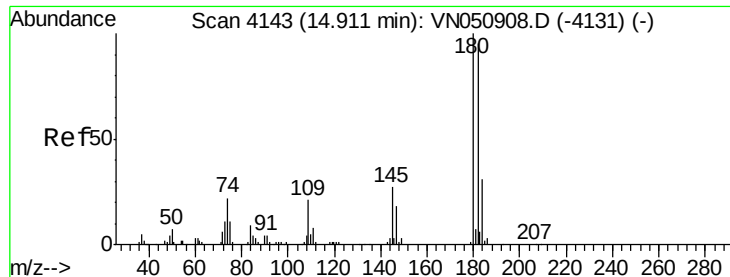
MMDadoda
 9/5/2018 12:00:22 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.81 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	71.8	107.6
157	116.5	91.1	136.7





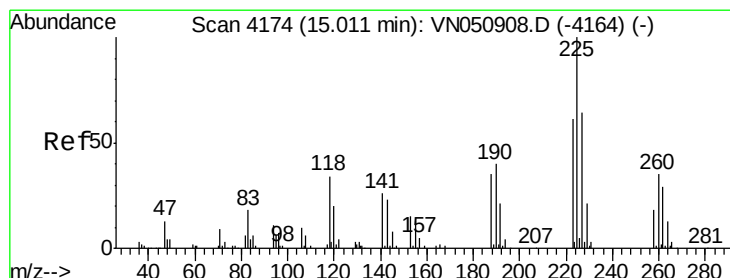
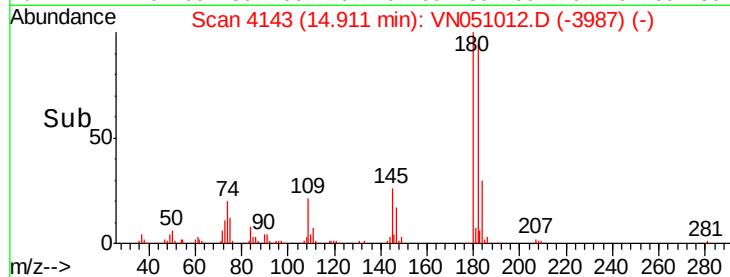
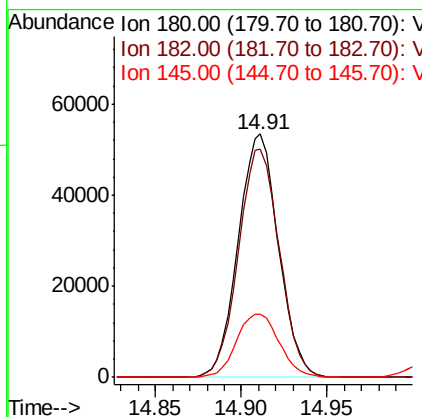
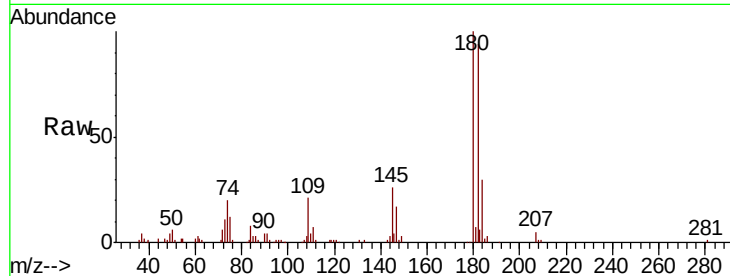
#89
 1,2,4-Trichlorobenzene
 Concen: 14.41 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.4
145	27.6	22.2	33.4

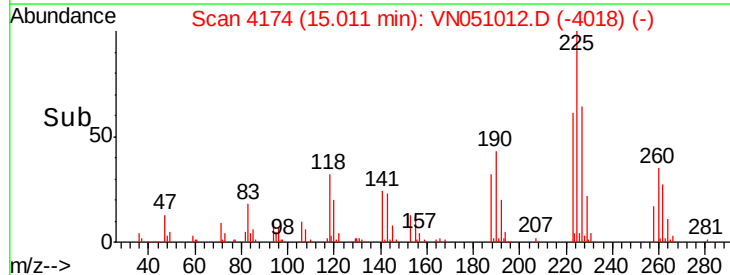
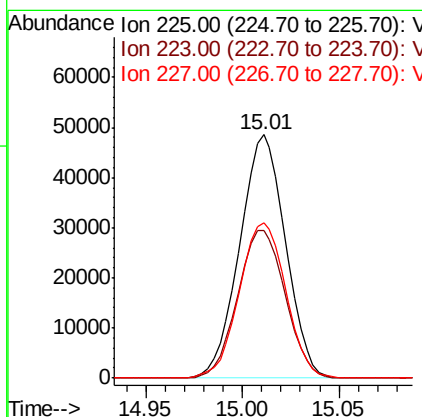
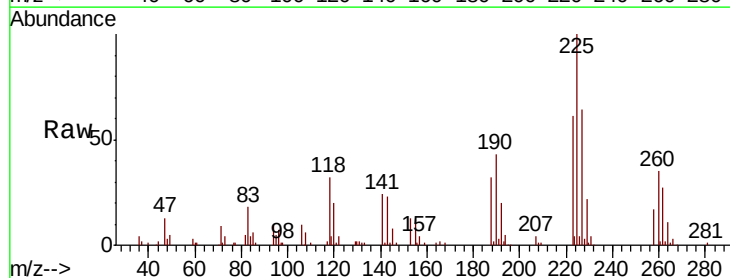
Manual Integrations
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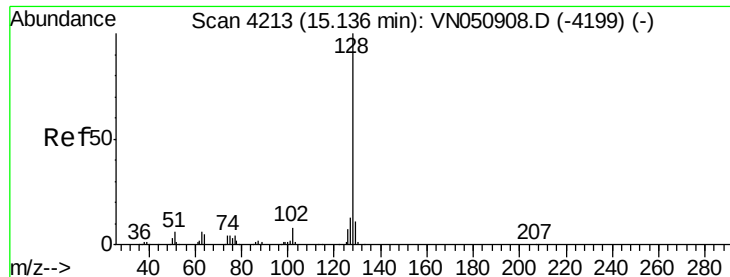
MMDadoda
 9/5/2018 12:00:22 PM



#90
 Hexachlorobutadiene
 Concen: 19.56 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN051012.D
 Acq: 4 Sep 2018 12:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	0.0	127.8
227	64.8	0.0	128.4





#91

Naphthalene

Concen: 17.21 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Instrument :

MSVOA_N

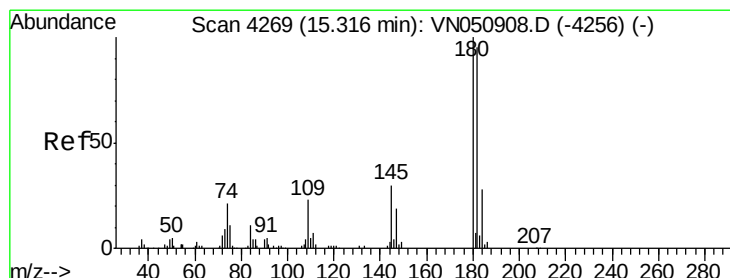
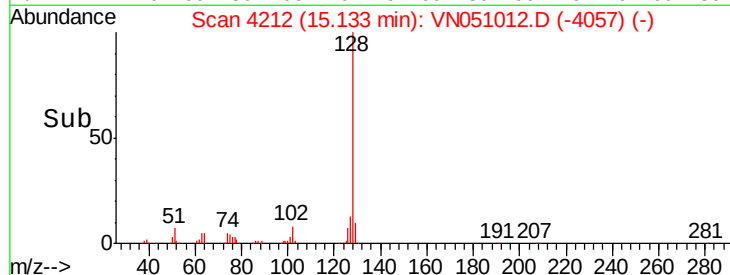
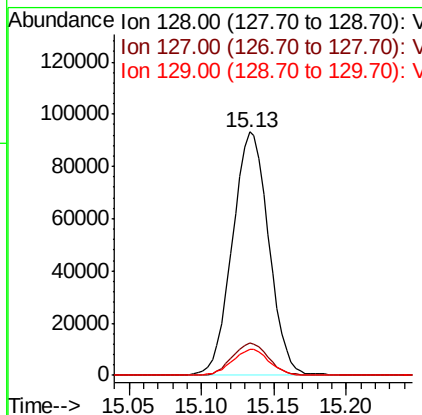
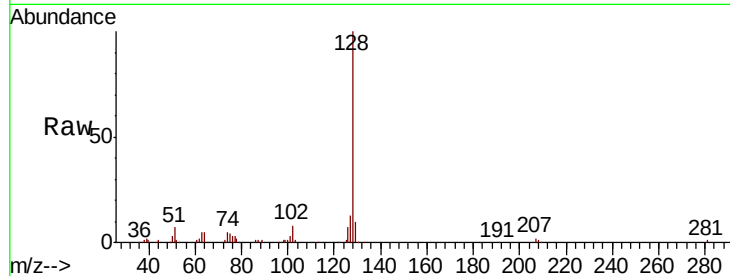
ClientSampleId :

VN0904WBSD02

Tot Ion:	128	Resp:	162510
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.7	8.7	13.1

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 15.57 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN051012.D

Acq: 4 Sep 2018 12:13

Tgt Ion:	180	Resp:	94086
Ion Ratio	Lower	Upper	
180	100		
182	95.6	0.0	192.8
145	28.8	0.0	60.0

