

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051179.D
 Acq On : 14 Sep 2018 10:42
 Operator : MD\SY
 Sample : VN0914WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 1:39:37 PM

Quant Time: Sep 14 15:28:24 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	104635	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	568307	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	485049	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	194101	29.07	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.90%
60) 4-Bromofluorobenzene	12.40	95	210639	29.20	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.33%
63) Toluene-d8	10.09	98	692301	30.61	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.03%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	97735	15.04	ug/l	100
3) Chloromethane	2.06	50	130232	16.97	ug/l	99
4) Vinyl Chloride	2.18	62	135394	17.86	ug/l	99
5) Bromomethane	2.57	94	73900	15.99	ug/l	98
6) Chloroethane	2.70	64	82904	18.54	ug/l	98
7) Trichlorofluoromethane	3.02	101	189771	18.88	ug/l	97
8) Diethyl Ether	3.41	74	64546	18.21	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	121430	19.51	ug/l	98
10) 1,1-Dichloroethene	3.74	96	106241	18.79	ug/l	98
11) Methyl Iodide	3.95	142	84363	15.99	ug/l	98
12) Methyl Acetate	4.33	43	92973	14.22	ug/l	99
13) Acrolein	3.61	56	28404	196.20	ug/l	97
14) Acrylonitrile	5.00	53	185894	84.10	ug/l	96
15) Acetone	3.82	58	45785	80.94	ug/l	95
16) Carbon Disulfide	4.05	76	305186	17.95	ug/l	99
17) Allyl chloride	4.32	41	159856	17.97	ug/l	96
18) Methylene Chloride	4.55	84	131715	19.85	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	118121	19.61	ug/l	96
20) Diisopropyl ether	5.96	45	360253	19.51	ug/l	99
21) 1,1-Dichloroethane	5.85	63	224135	19.80	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	135836	19.96	ug/l	98
23) tert-Butyl Alcohol	4.79	59	35657	75.85	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	283006	18.30	ug/l	99
25) Chloroform	7.37	83	228089	20.18	ug/l	97
26) Cyclohexane	7.65	56	172827	18.42	ug/l #	97
29) 1,1-Dichloropropene	7.79	75	164459	19.33	ug/l	98
30) 2-Butanone	6.84	43	197021	75.27	ug/l	100
31) 2,2-Dichloropropane	6.83	77	173093	20.91	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	194574	20.17	ug/l	99
33) Carbon Tetrachloride	7.78	117	171371	19.72	ug/l	96
34) Benzene	8.04	78	517611	19.67	ug/l	99
35) Methacrylonitrile	7.18	41	47822	16.68	ug/l	96
36) 1,2-Dichloroethane	8.13	62	153640	19.30	ug/l	100
37) Trichloroethene	8.84	130	134934	19.61	ug/l	100
38) Methylcyclohexane	9.08	83	168184	18.41	ug/l	99
39) 1,2-Dichloropropane	9.12	63	136501	19.86	ug/l	99
40) Dibromomethane	9.21	93	79705	19.25	ug/l	96

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Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	171663	19.67	ug/l	98
42) Vinyl Acetate	5.90	43	1095248	90.85	ug/l	99
43) Ethyl Acetate	6.93	43	86508	16.13	ug/l	98
44) Isopropyl Acetate	8.17	43	160602	16.97	ug/l	97
45) 1,4-Dioxane	9.20	88	21885	311.38	ug/l	97
46) Methyl methacrylate	9.20	41	75275	15.89	ug/l	97
47) n-amyl Acetate	12.07	43	106120	13.95	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	155801	18.21	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	190332	19.36	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	117177	19.48	ug/l	99
51) Ethyl methacrylate	10.43	69	123375	16.76	ug/l	98
52) 1,3-Dichloropropane	10.71	76	188723	18.94	ug/l	100
53) Dibromochloromethane	10.90	129	131204	19.18	ug/l	99
54) 1,2-Dibromoethane	11.00	107	107907	18.14	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	233322	76.17	ug/l	99
56) Bromoform	12.13	173	84656	17.40	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	439609	79.21	ug/l	98
59) 2-Hexanone	10.75	43	265682	73.24	ug/l	99
61) Tetrachloroethene	10.63	164	124805	20.65	ug/l	97
62) Toluene	10.16	91	547964	20.25	ug/l	99
64) Chlorobenzene	11.44	112	336323	20.05	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	133933	21.15	ug/l	99
66) Ethyl Benzene	11.51	91	547233	19.52	ug/l	99
67) m/p-Xylenes	11.62	106	434016	40.24	ug/l	100
68) o-Xylene	11.95	106	209463	20.33	ug/l	98
69) Styrene	11.96	104	320291	19.55	ug/l	99
70) Isopropylbenzene	12.25	105	547824	20.01	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	134223	18.10	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	97037m	15.17	ug/l	
73) Bromobenzene	12.53	156	136973	19.01	ug/l	97
74) n-propylbenzene	12.59	91	584899	18.89	ug/l	98
75) 2-Chlorotoluene	12.67	91	371360	19.75	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	453875	20.28	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	27731	15.22	ug/l	96
78) 4-Chlorotoluene	12.77	91	348417	18.81	ug/l	98
79) tert-butylbenzene	12.99	119	384785	19.80	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	441853	19.80	ug/l	100
81) sec-Butylbenzene	13.17	105	496110	19.51	ug/l	100
82) p-Isopropyltoluene	13.29	119	419218	19.10	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	224178	18.40	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	202778	17.57	ug/l	97
85) n-Butylbenzene	13.62	91	280015	16.72	ug/l	99
86) Hexachloroethane	13.87	117	81747	19.40	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	224725	18.74	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15153	14.61	ug/l	87
89) 1,2,4-Trichlorobenzene	14.91	180	67227	12.60	ug/l	98
90) Hexachlorobutadiene	15.01	225	73464	20.26	ug/l	98
91) Naphthalene	15.13	128	117050	15.59	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	73723	13.76	ug/l	99

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QLast Update : Wed Aug 29 01:38:44 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

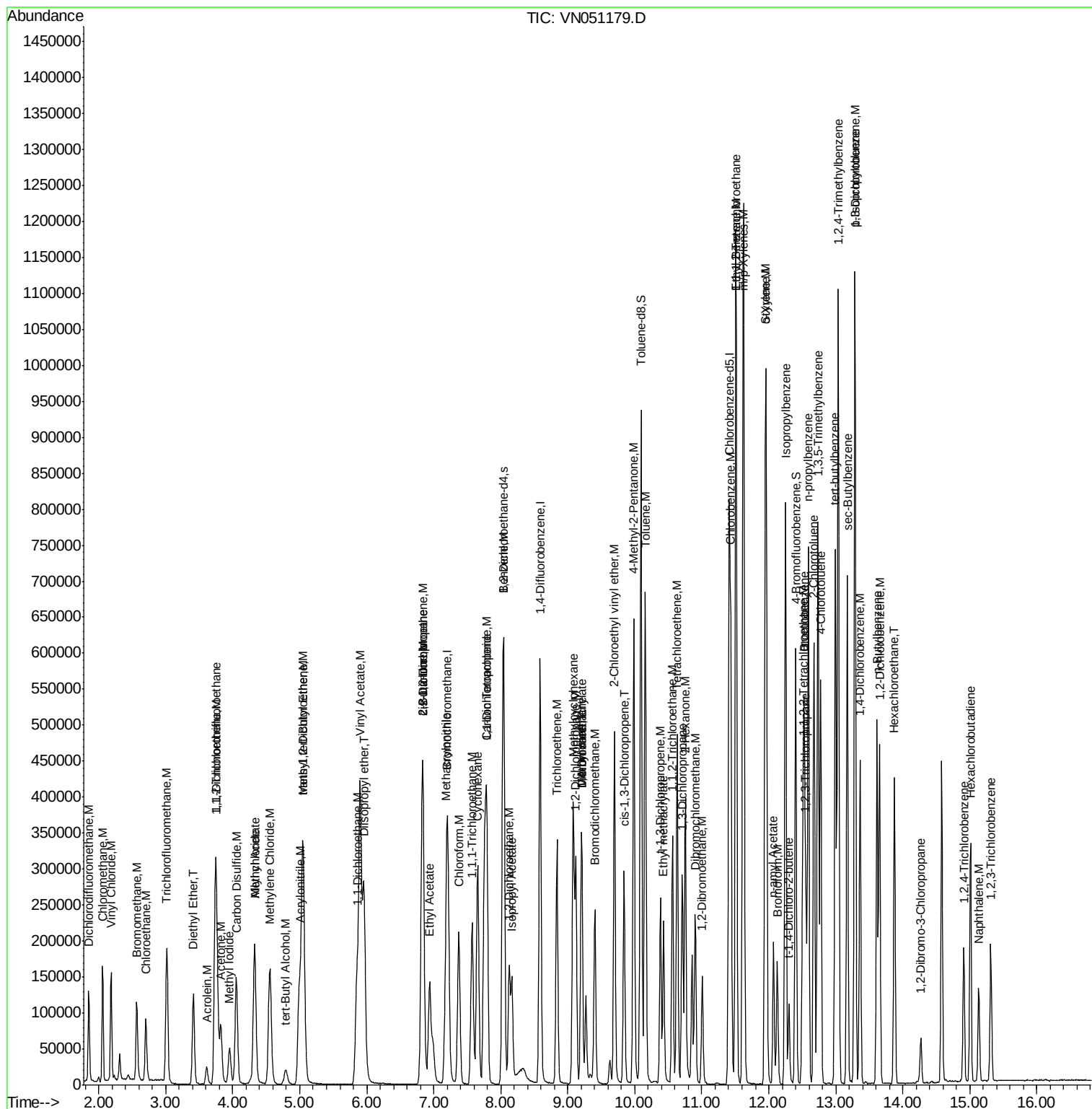
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
Data File : VN051179.D
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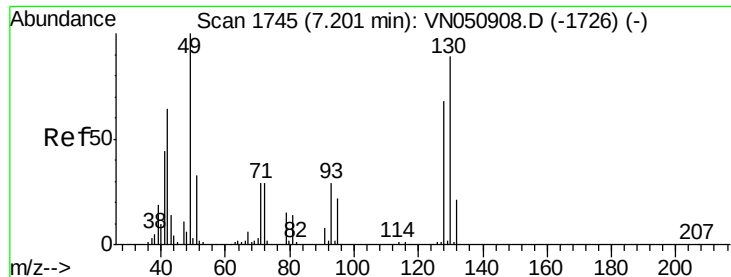
Instrument :
MSVOA_N
Client Sample Id :
VN0914WBS01

Manual Integrations
APPROVED

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9/17/2018 1:39:37 PM

Quant Time: Sep 14 15:28:24 2018
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

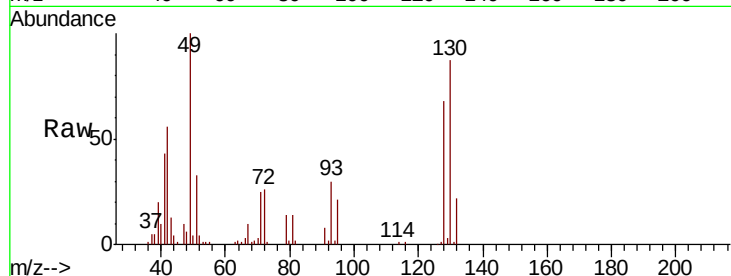
ClientSampleId :

VN0914WBS01

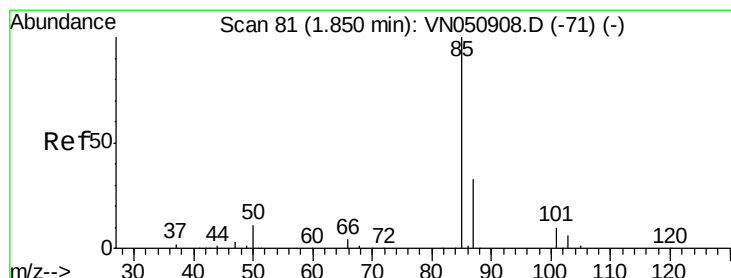
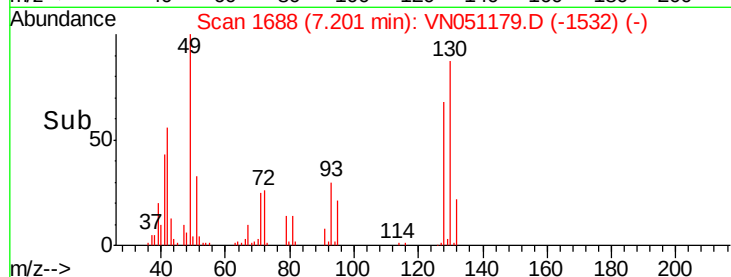
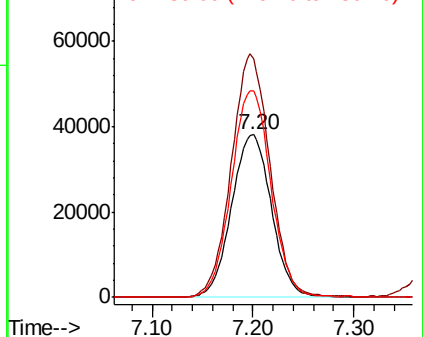
Tot Ion:	128	Resp:	104635
Ion	Ratio	Lower	Upper
128	100		
49	145.3	0.0	380.3
130	126.7	0.0	325.3

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 15.04 ug/l

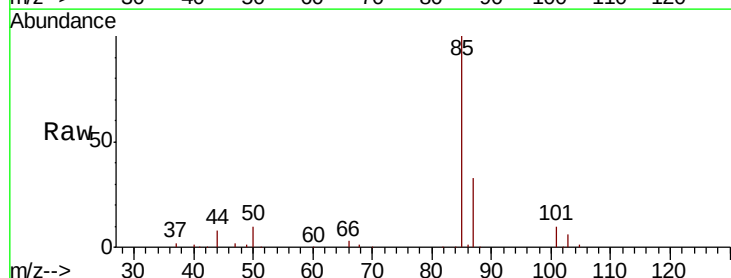
RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

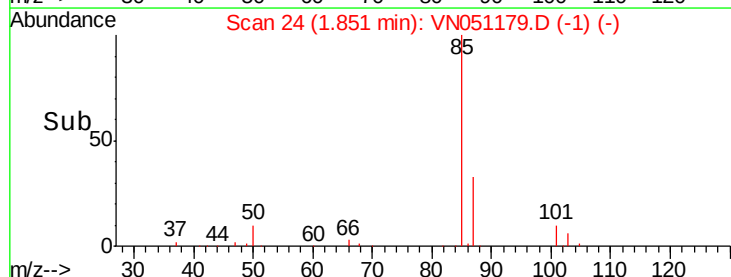
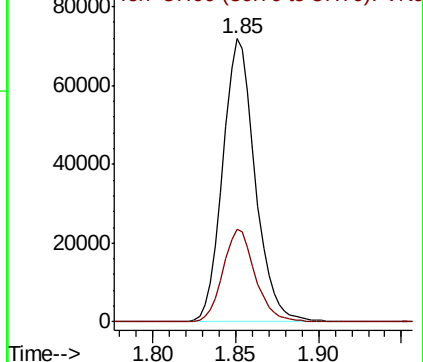
Lab File: VN051179.D

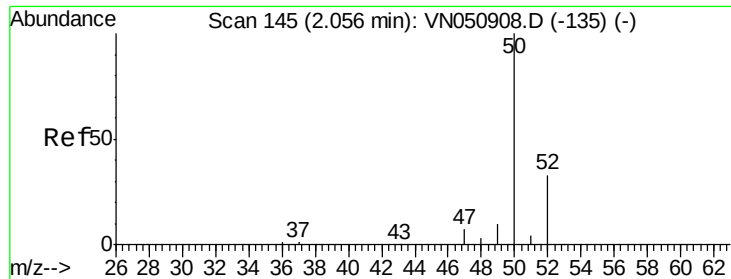
Acq: 14 Sep 2018 10:42

Tgt Ion:	85	Resp:	97735
Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.4	49.1



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 16.97 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

Tot Ion: 50 Resp: 130232

Ion Ratio Lower Upper

50 100

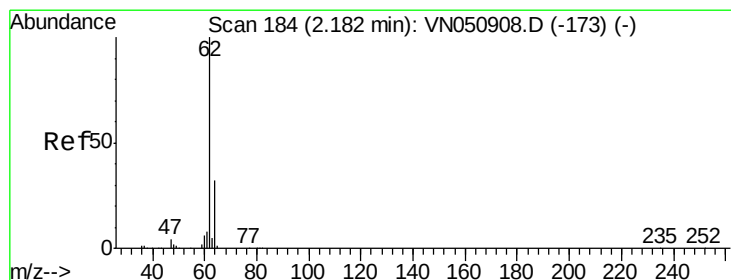
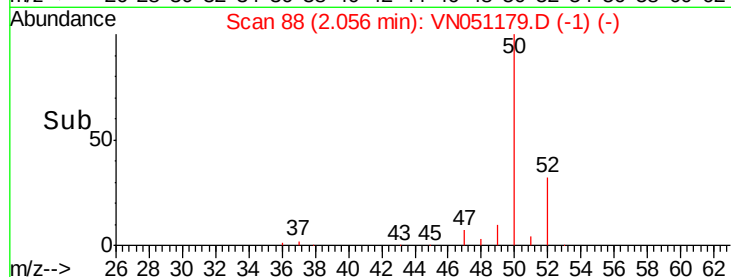
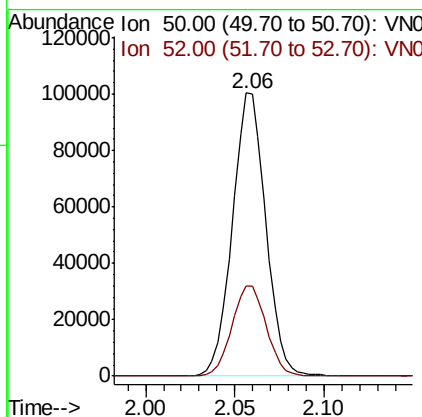
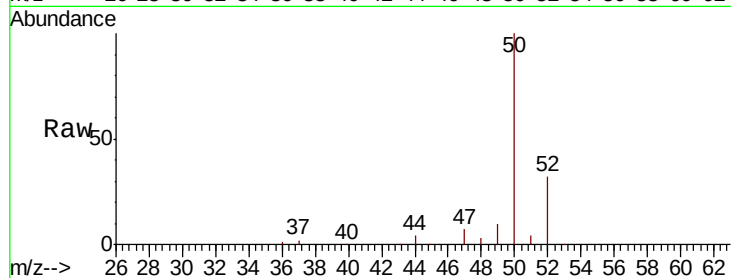
52 32.0 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.86 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051179.D

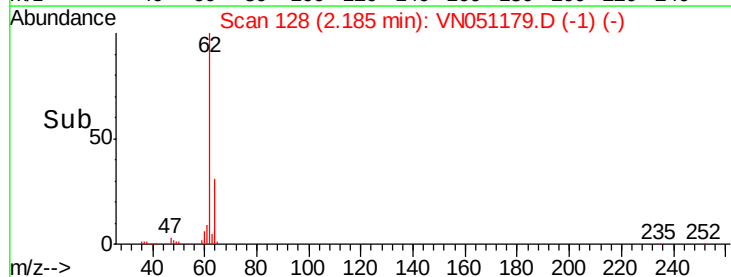
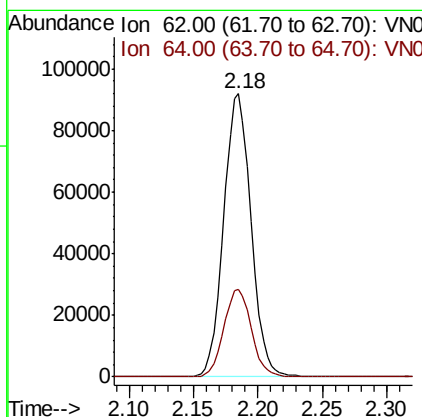
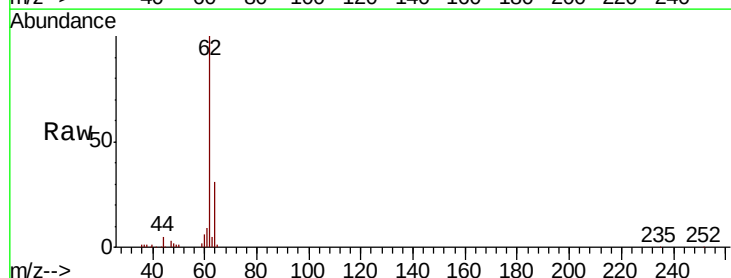
Acq: 14 Sep 2018 10:42

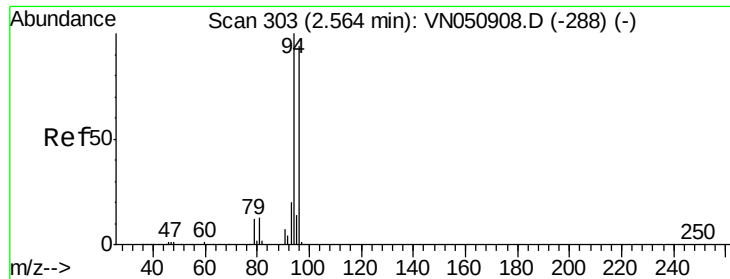
Tgt Ion: 62 Resp: 135394

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.0





#5

Bromomethane

Concen: 15.99 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

Tot Ion: 94 Resp: 73900

Ion Ratio Lower Upper

94 100

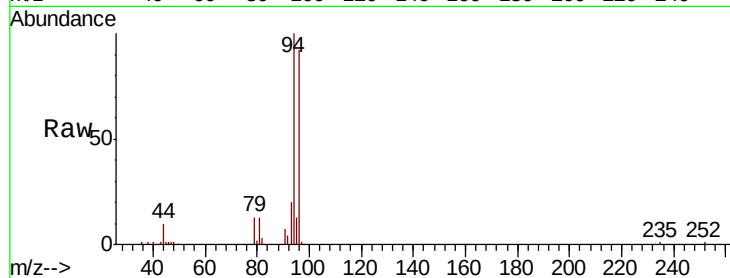
96 92.0 74.9 112.3

Manual Integrations

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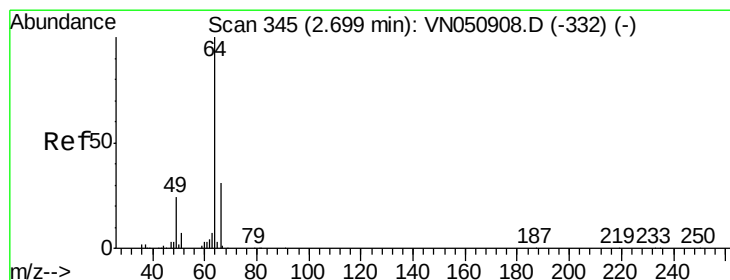
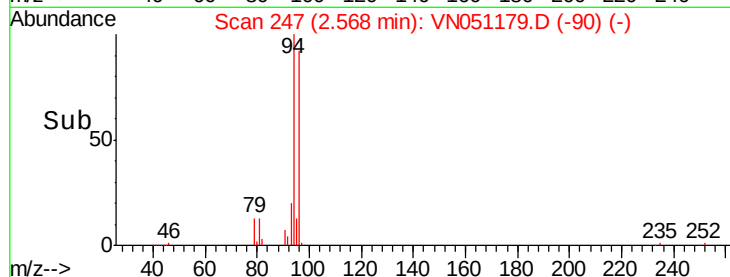
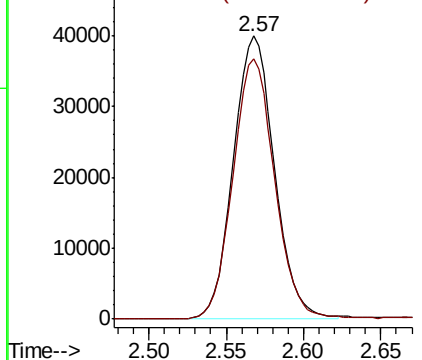
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.54 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051179.D

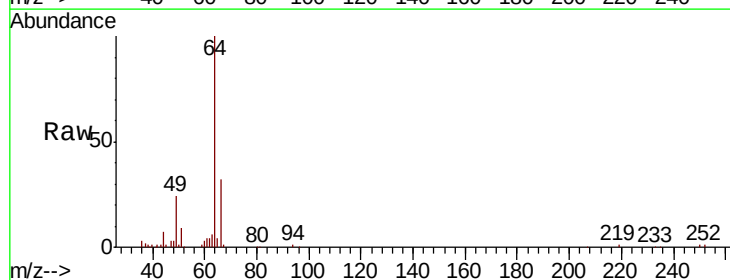
Acq: 14 Sep 2018 10:42

Tgt Ion: 64 Resp: 82904

Ion Ratio Lower Upper

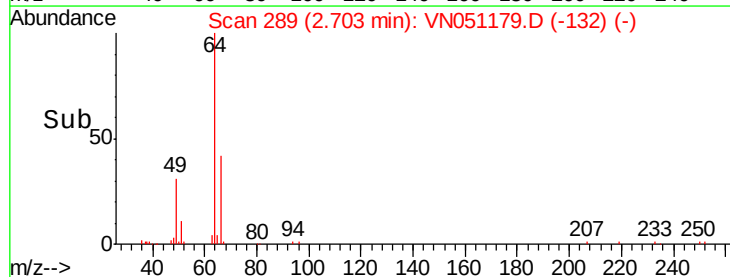
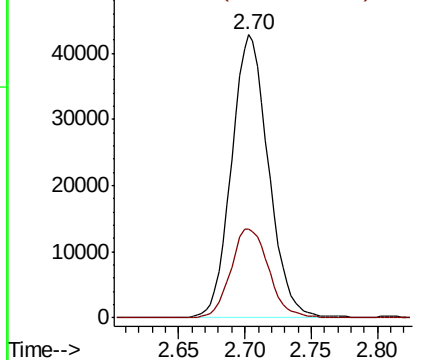
64 100

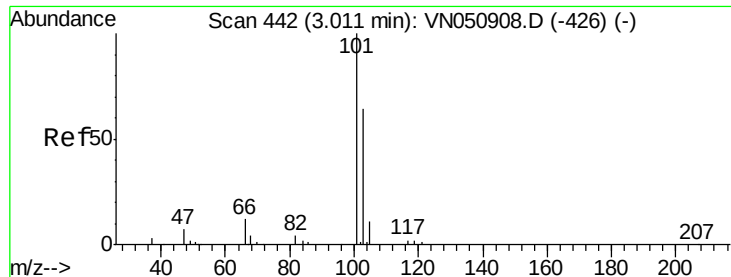
66 31.6 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

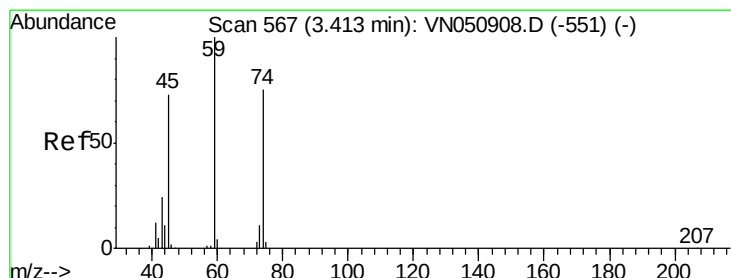
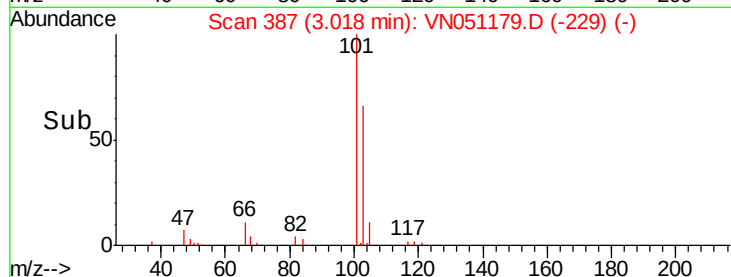
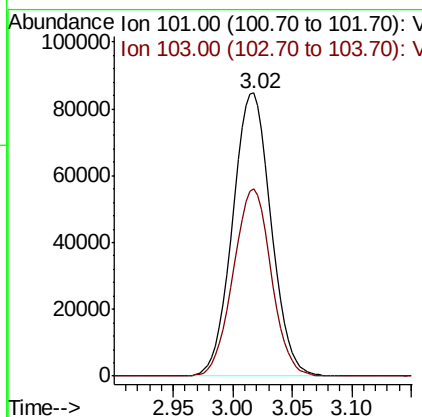
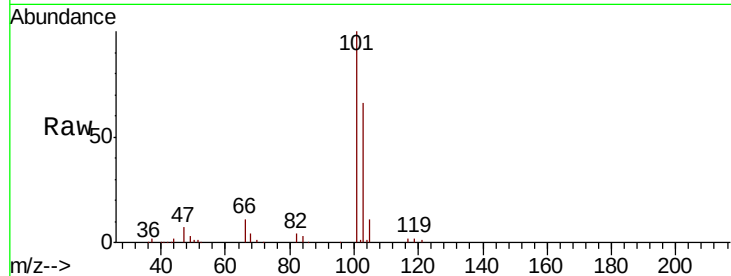
Trichlorofluoromethane
 Concen: 18.88 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	189771		
103	66.2	51.3	76.9	

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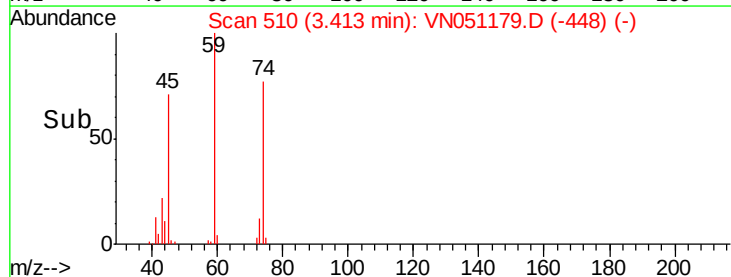
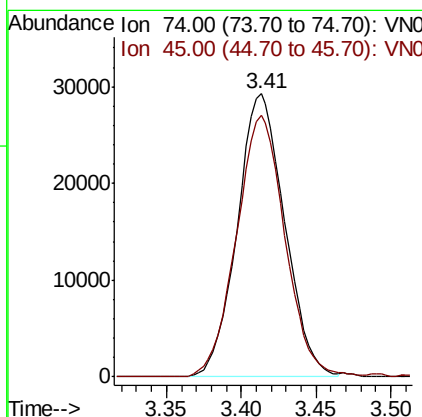
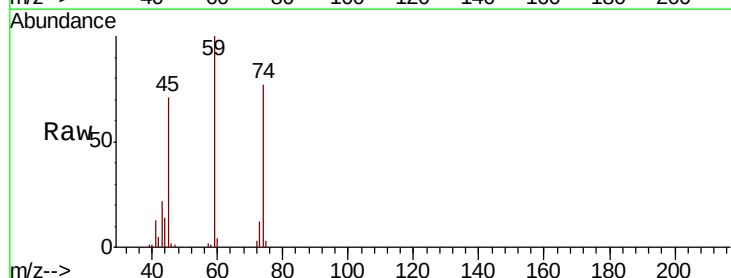
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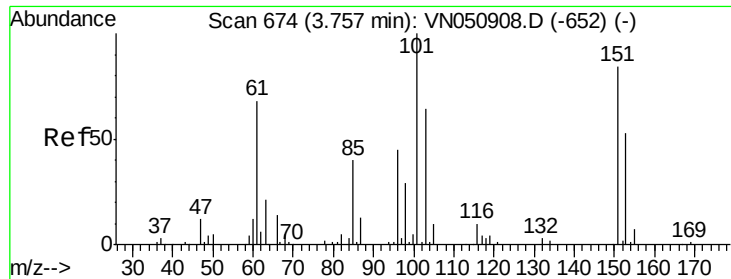


#8

Diethyl Ether
 Concen: 18.21 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	64546		
45	94.5	19.7	177.1	





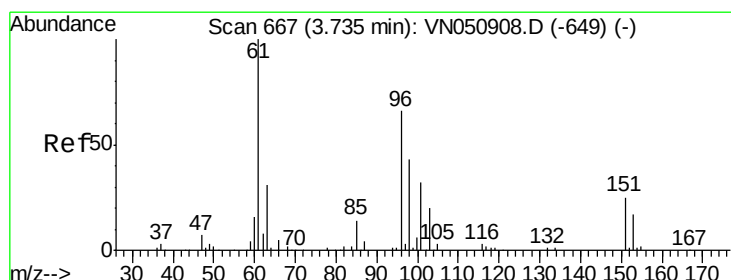
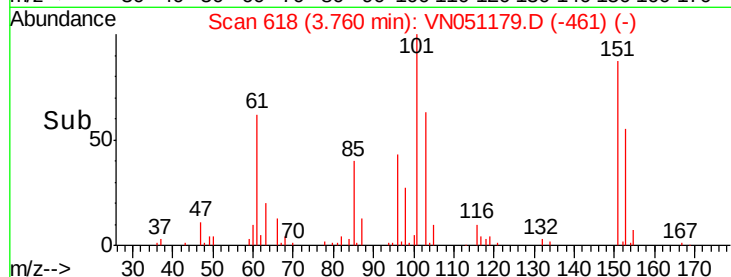
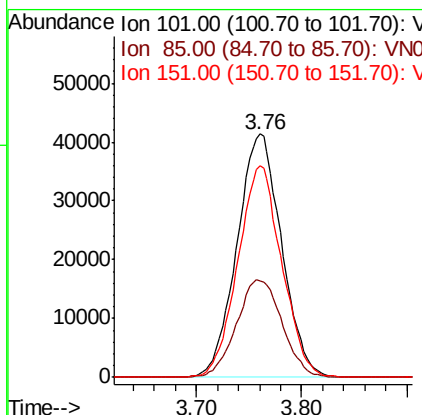
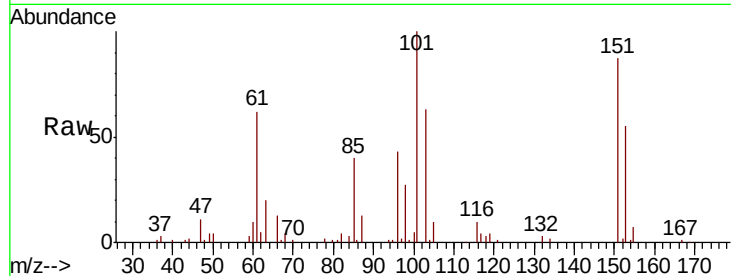
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.51 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Instrument :
 MSVOA_N
 ClientSampled :
 VN0914WBS01

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	41.0	0.0	83.6
151	85.6	0.0	167.0

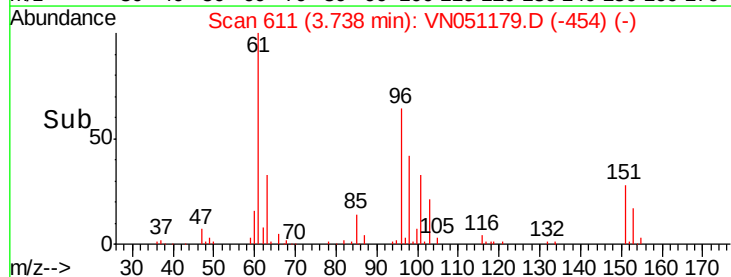
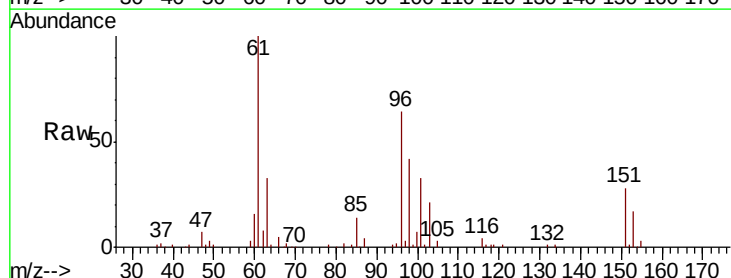
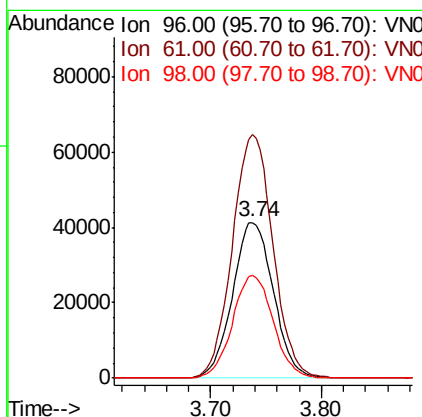
Manual Integrations
 APPROVED

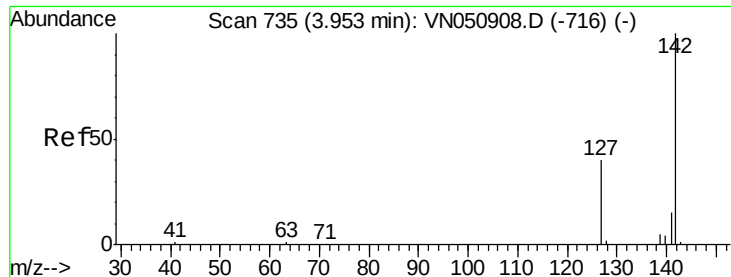
MMDadoda
 9/17/2018 1:39:37 PM



#10
 1,1-Dichloroethene
 Concen: 18.79 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	156.4	121.8	182.8
98	66.0	52.3	78.5





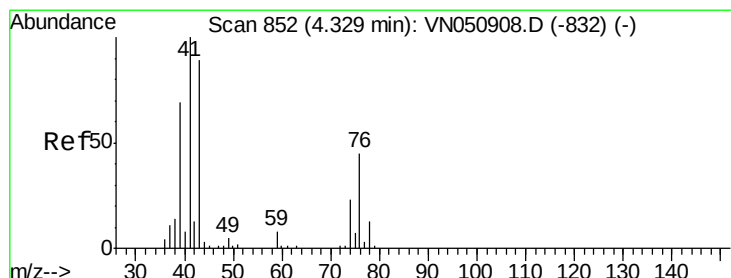
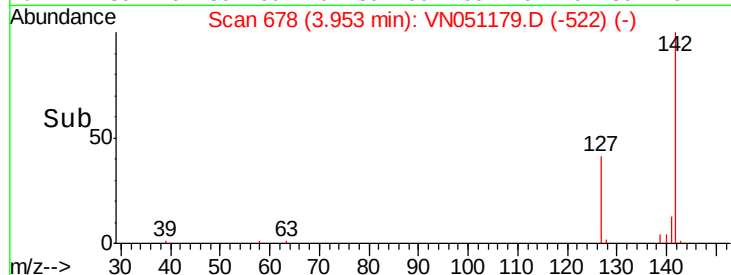
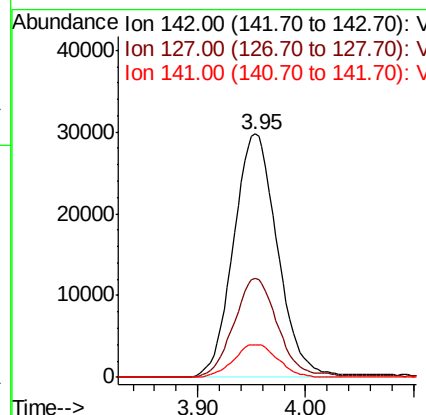
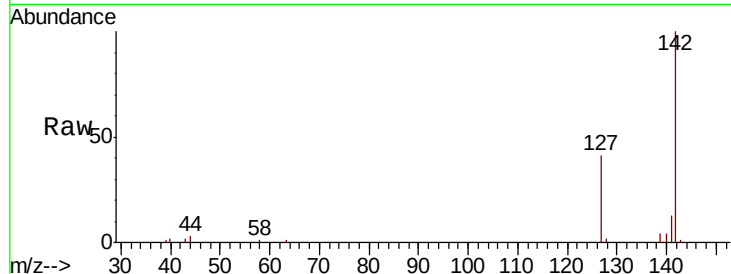
#11
Methvl Iodide
Concen: 15.99 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.5	19.7	59.1
141	13.3	7.3	22.0

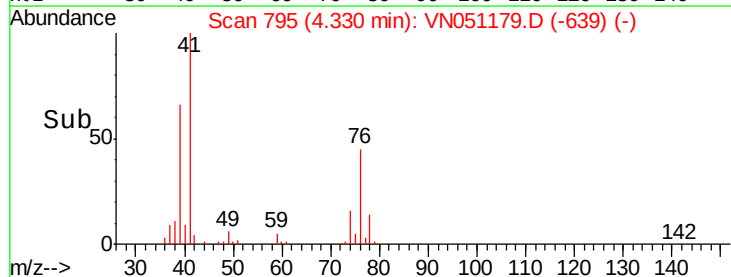
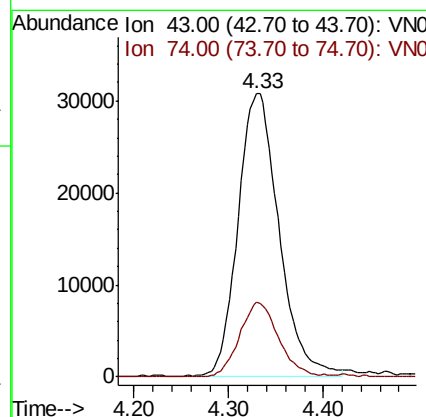
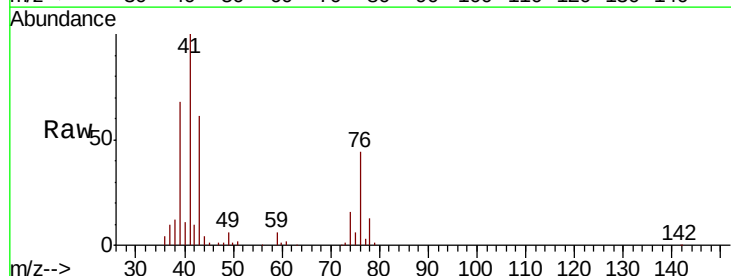
Manual Integrations
APPROVED

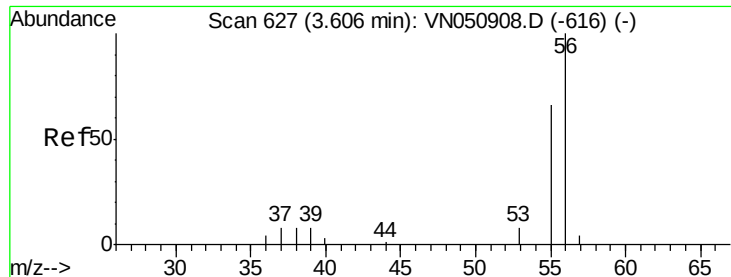
MMDadoda
9/17/2018 1:39:37 PM



#12
Methyl Acetate
Concen: 14.22 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	20.6	31.0





#13

Acrolein

Concen: 196.20 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampled :

VN0914WBS01

Tot Ion: 56 Resp: 28404

Ion Ratio Lower Upper

56 100

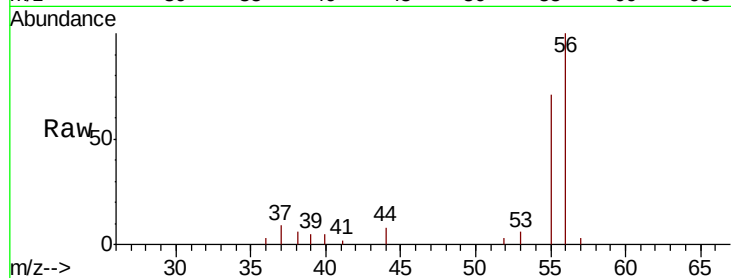
55 71.5 59.1 88.7

Manual Integrations

APPROVED

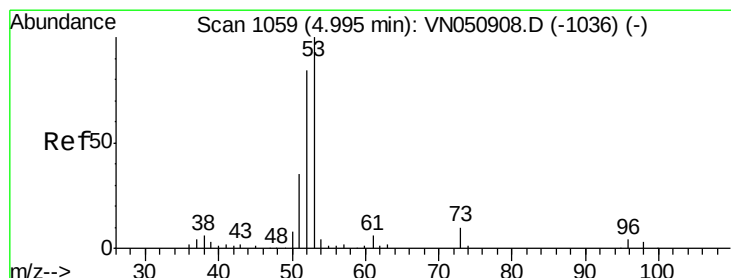
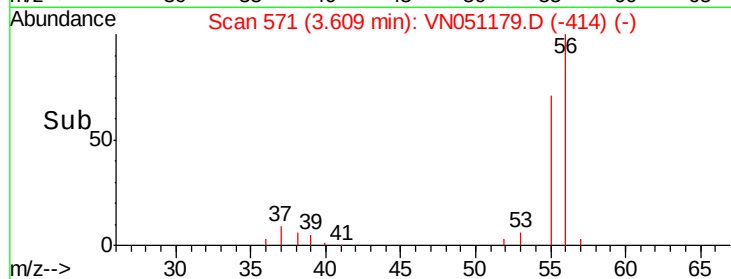
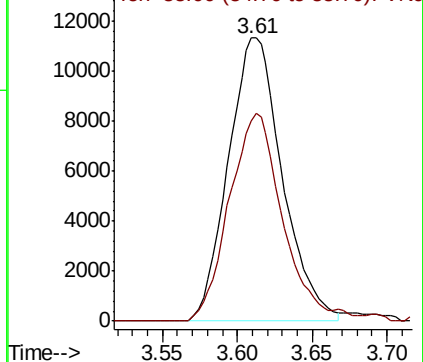
MMDadoda

9/17/2018 1:39:37 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 84.10 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

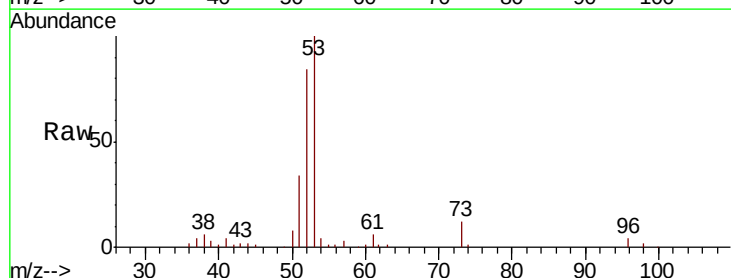
Tgt Ion: 53 Resp: 185894

Ion Ratio Lower Upper

53 100

52 79.0 42.2 126.6

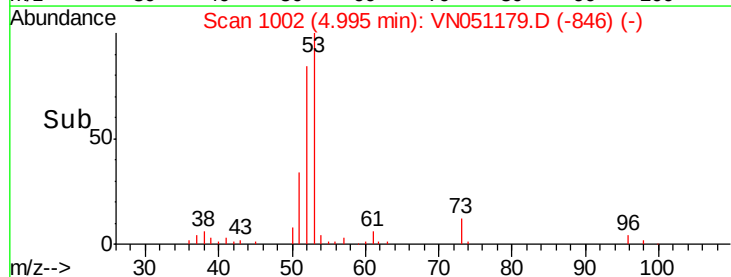
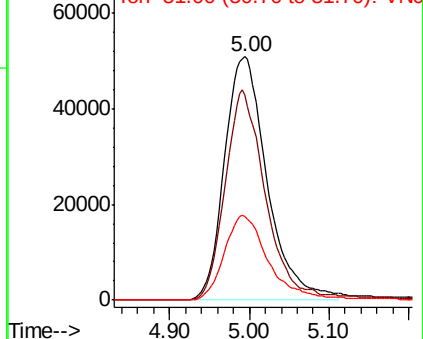
51 35.5 17.7 53.1

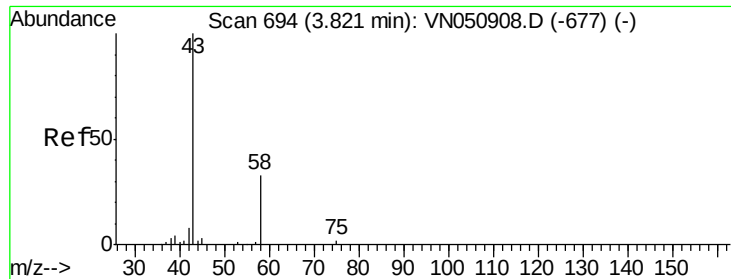


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 80.94 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

Tot Ion: 58 Resp: 45785

Ion Ratio Lower Upper

58 100

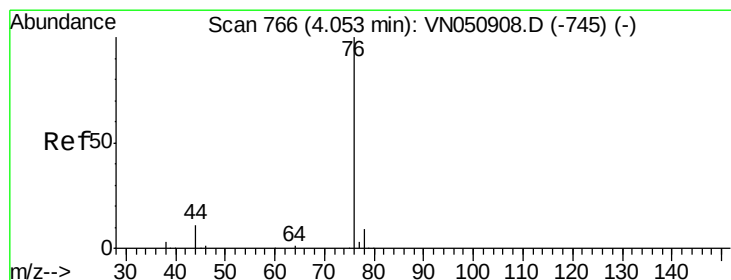
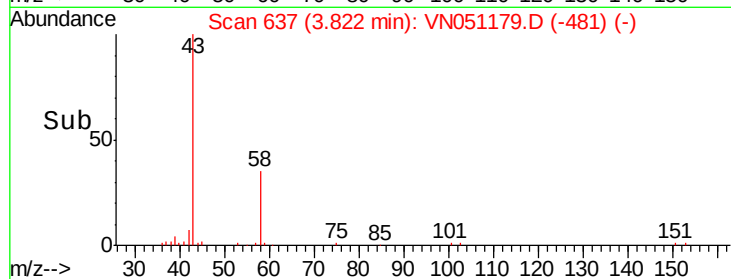
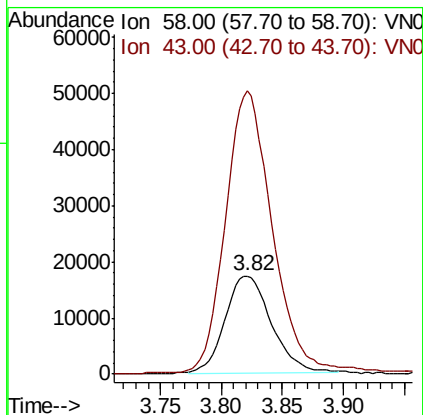
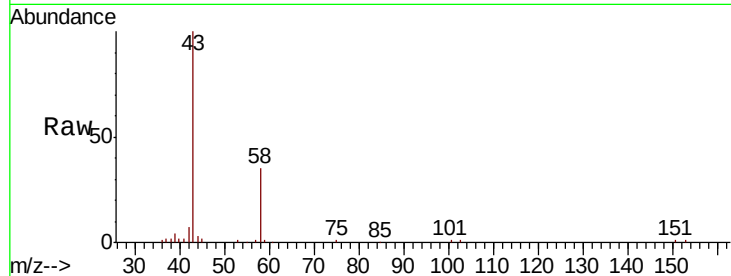
43 289.2 239.4 359.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 17.95 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051179.D

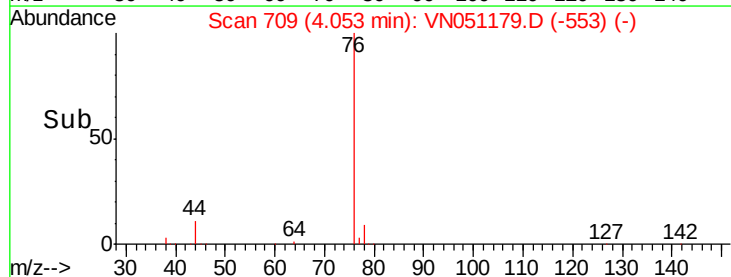
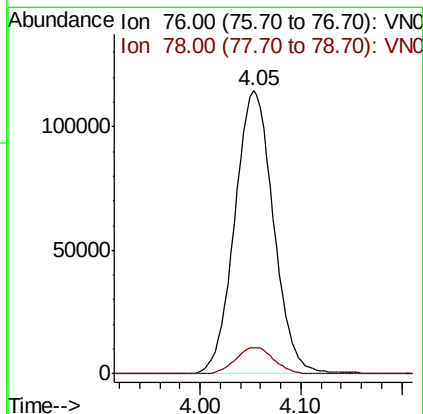
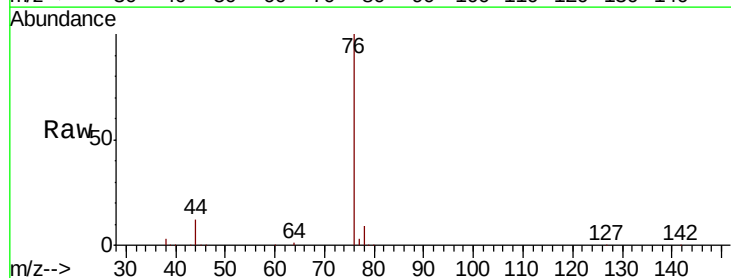
Acq: 14 Sep 2018 10:42

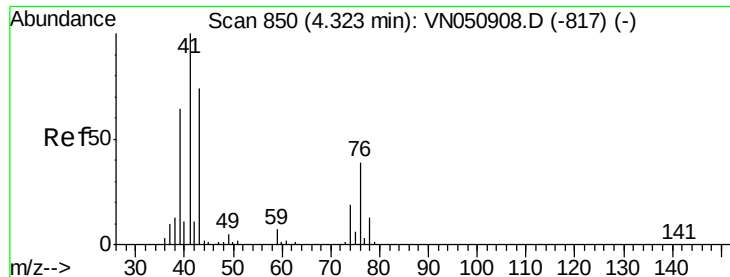
Tgt Ion: 76 Resp: 305186

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9





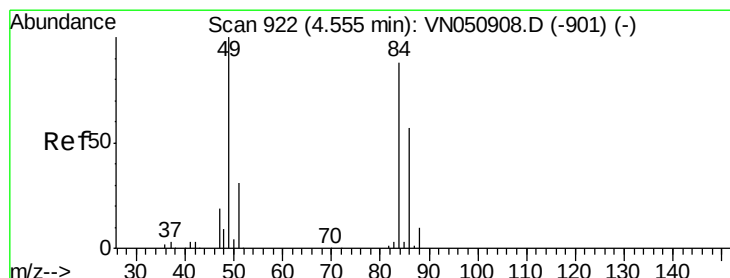
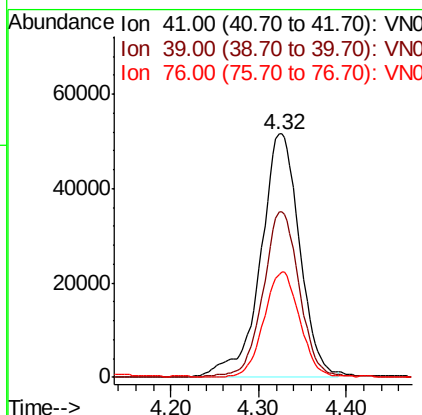
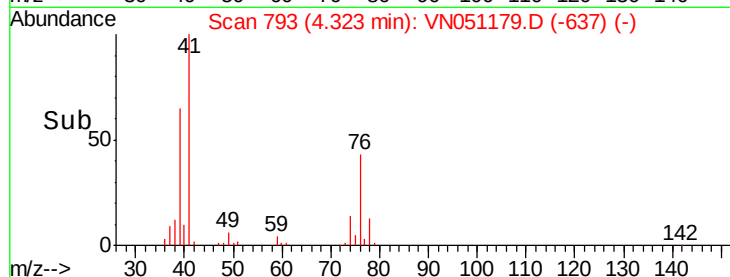
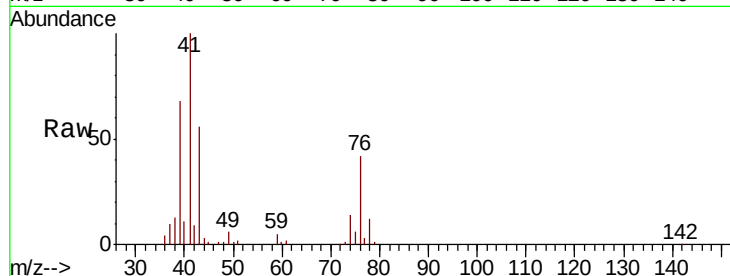
#17
Allvl chloride
Concen: 17.97 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion:	41	Resp:	159856
Ion	Ratio	Lower	Upper
41	100		
39	67.8	32.2	96.6
76	41.8	19.6	58.7

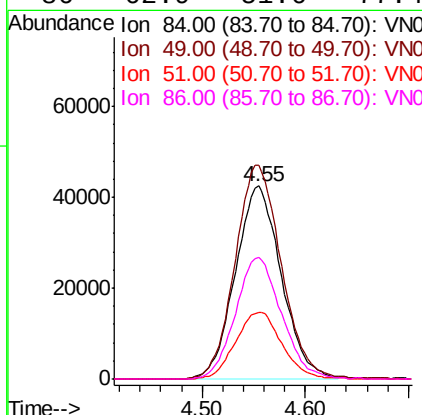
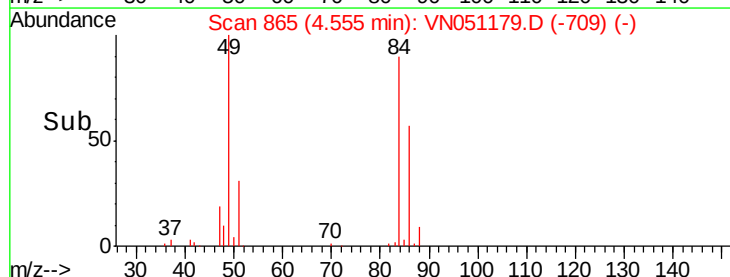
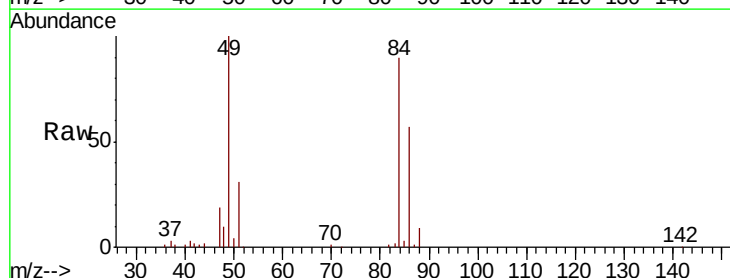
Manual Integrations
APPROVED

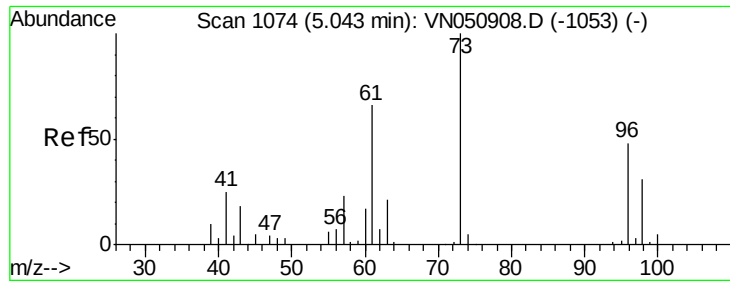
MMDadoda
9/17/2018 1:39:37 PM



#18
Methylene Chloride
Concen: 19.85 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion:	84	Resp:	131715
Ion	Ratio	Lower	Upper
84	100		
49	110.3	90.6	135.8
51	34.5	28.4	42.6
86	62.9	51.6	77.4





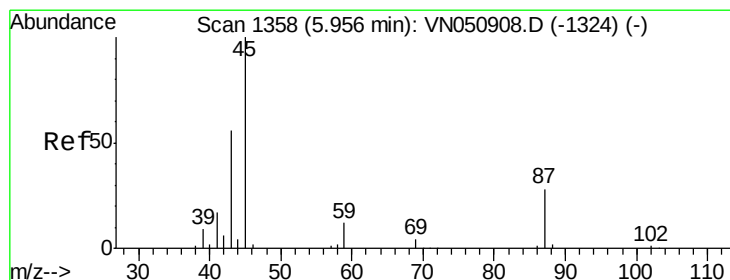
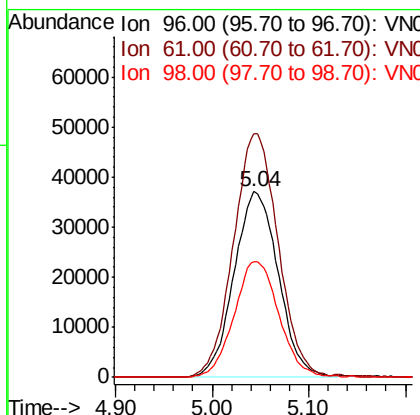
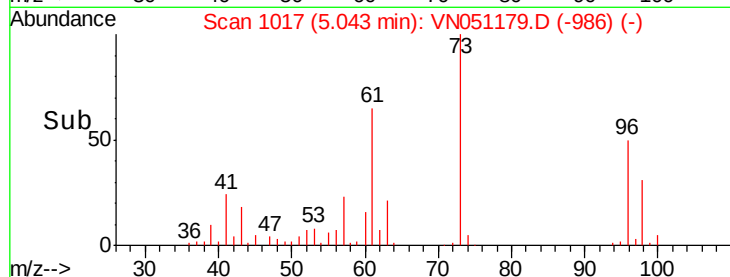
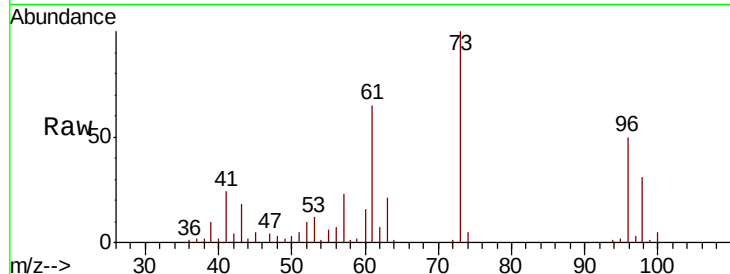
#19
trans-1,2-Dichloroethene
Concen: 19.61 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Instrument :
MSVOA_N
ClientSampled :
VN0914WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.7	109.5	164.3
98	62.7	51.9	77.9

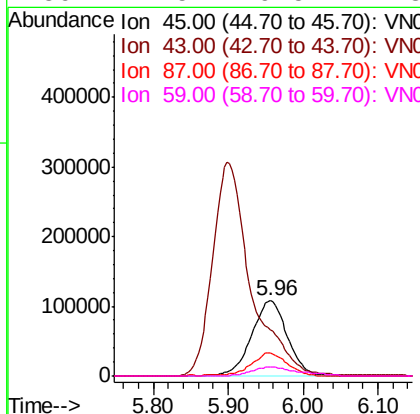
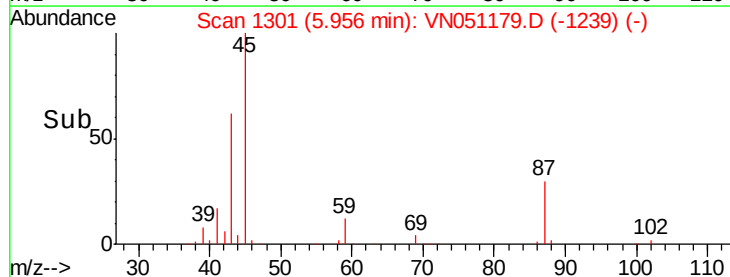
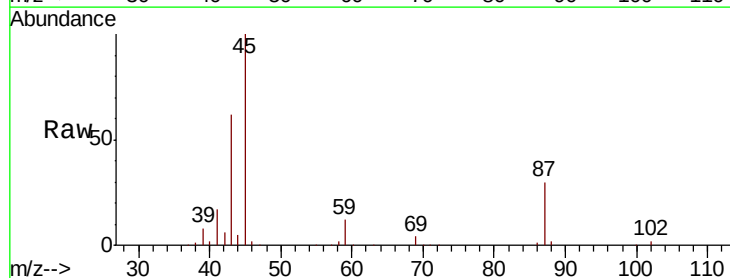
Manual Integrations
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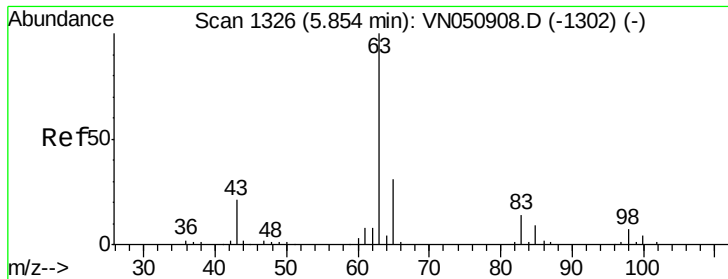
MMDadoda
9/17/2018 1:39:37 PM



#20
Diisopropyl ether
Concen: 19.51 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.3	47.0	70.6
87	30.2	22.8	34.2
59	11.5	9.5	14.3





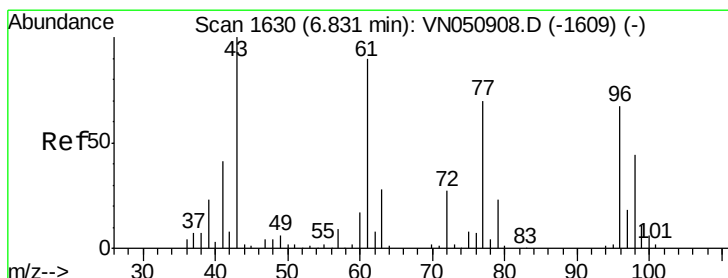
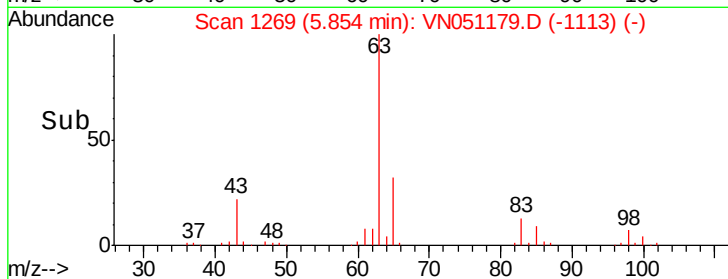
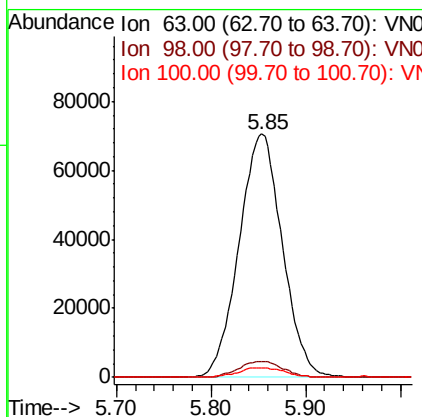
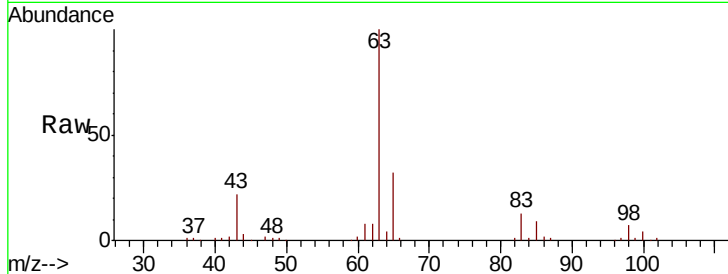
#21
 1,1-Dichloroethane
 Concen: 19.80 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	224135		
98	6.5	3.3	9.9	
100	3.8	2.0	6.0	

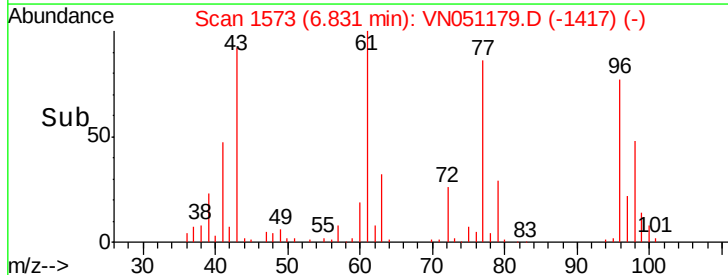
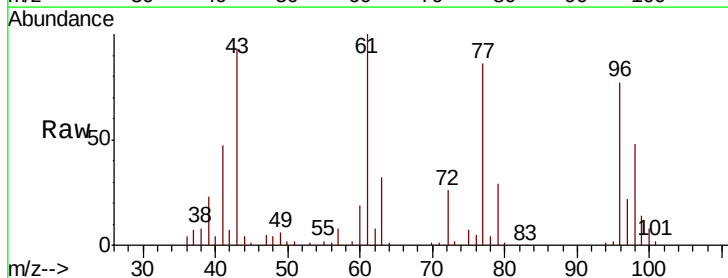
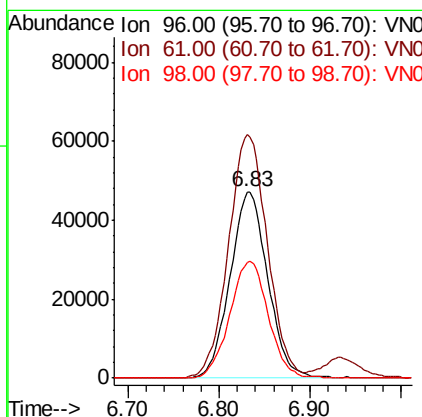
Manual Integrations
 APPROVED

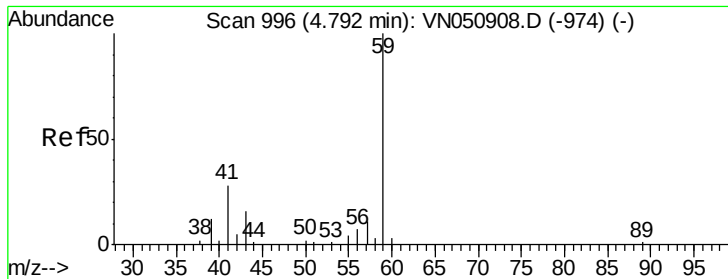
MMDadoda
 9/17/2018 1:39:37 PM



#22
 cis-1,2-Dichloroethene
 Concen: 19.96 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	135836		
61	134.8	110.0	165.0	
98	64.2	51.7	77.5	





#23

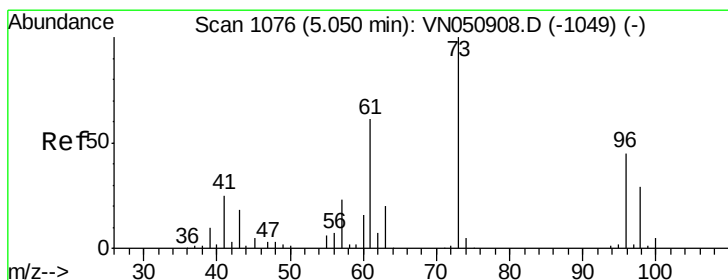
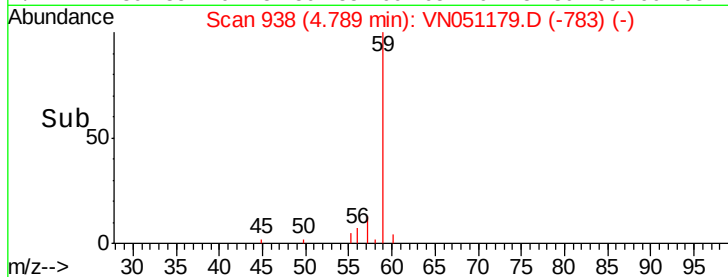
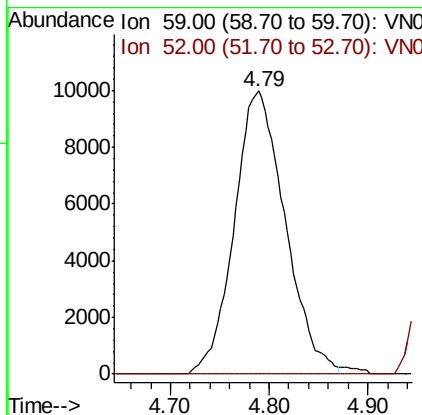
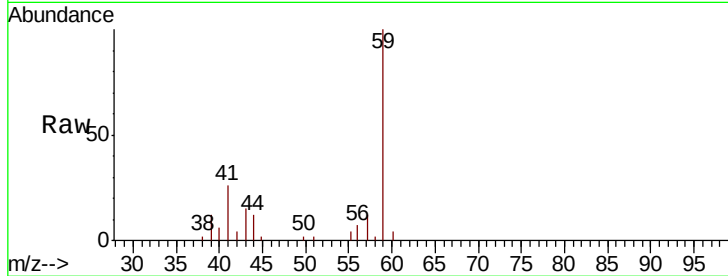
tert-Butyl Alcohol
 Concen: 75.85 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Instrument :
 MSVOA_N
 ClientSampled :
 VN0914WBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
52	52	0.0	0.1	0.1#

Manual Integrations
 APPROVED

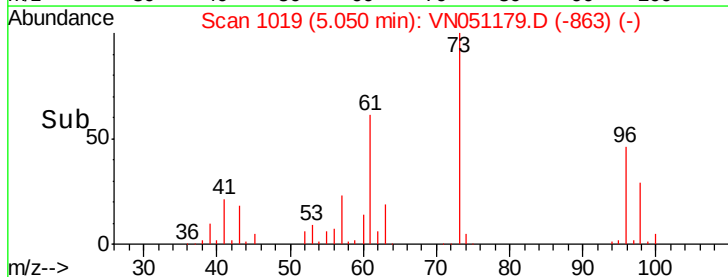
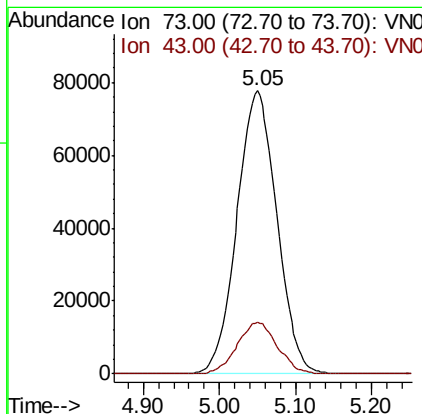
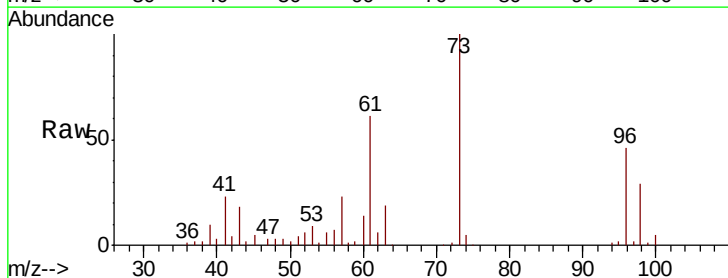
MMDadoda
 9/17/2018 1:39:37 PM

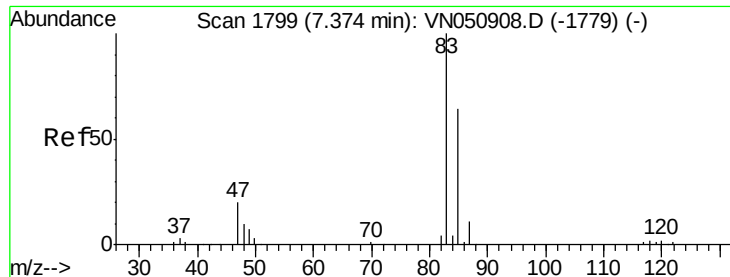


#24

Methyl tert-Butyl Ether
 Concen: 18.30 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion	Ion	Ratio	Lower	Upper
73	73	100		
43	43	18.5	14.4	21.6





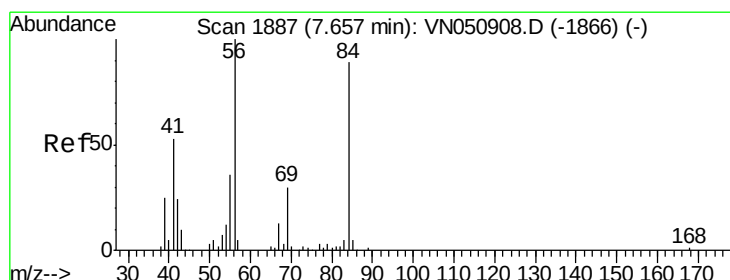
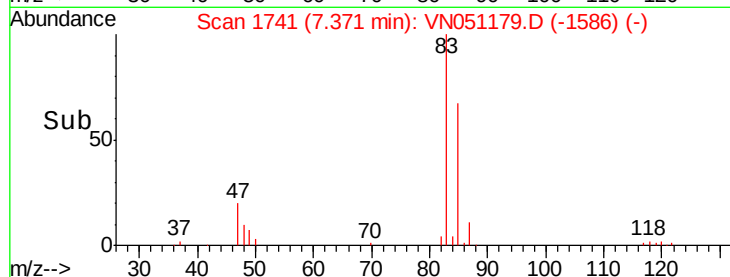
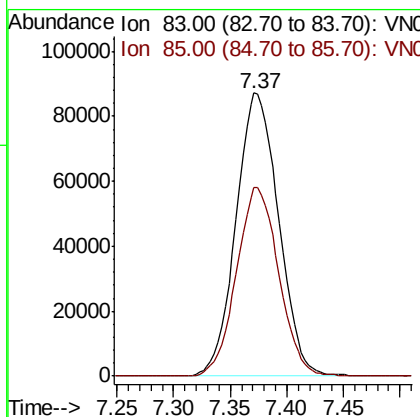
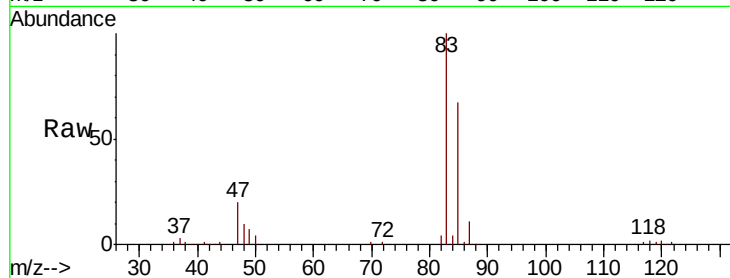
#25
Chloroform
Concen: 20.18 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Instrument :
MSVOA_N
ClientSampled :
VN0914WBS01

Tot Ion	83	Resp	228089
Ion Ratio	100	Lower	Upper
83	100		
85	66.6	51.4	77.0

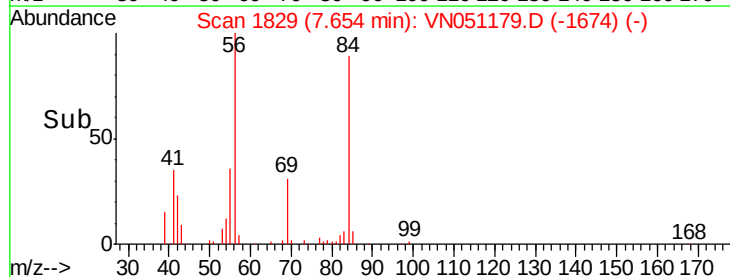
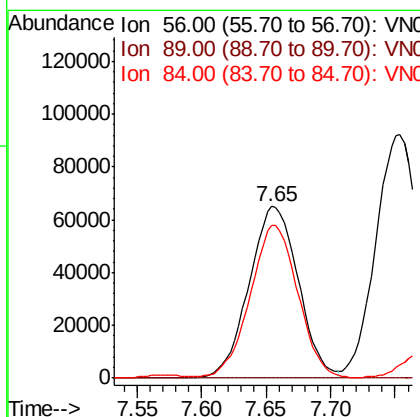
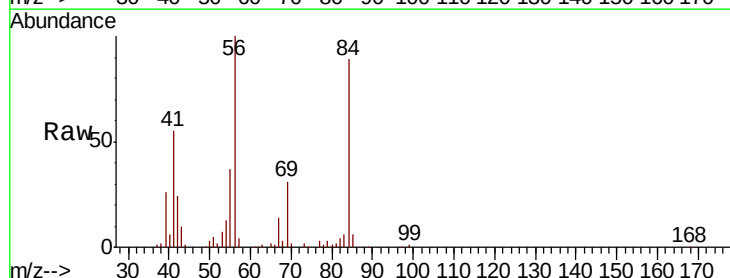
Manual Integrations
APPROVED

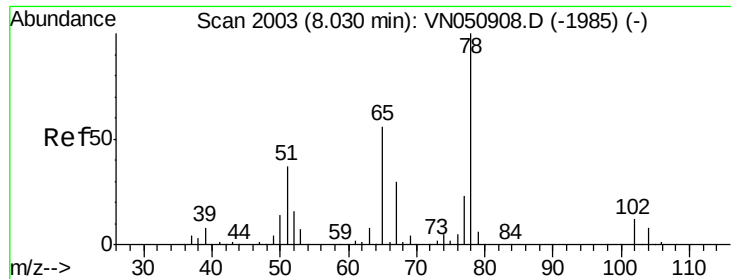
MMDadoda
9/17/2018 1:39:37 PM



#26
Cyclohexane
Concen: 18.42 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion	56	Resp	172827
Ion Ratio	100	Lower	Upper
56	100		
89	0.2	0.4	0.6#
84	85.6	70.4	105.6





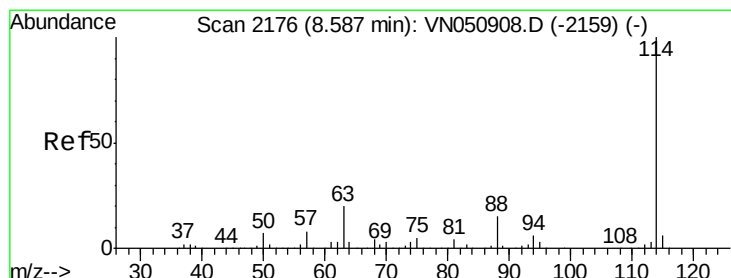
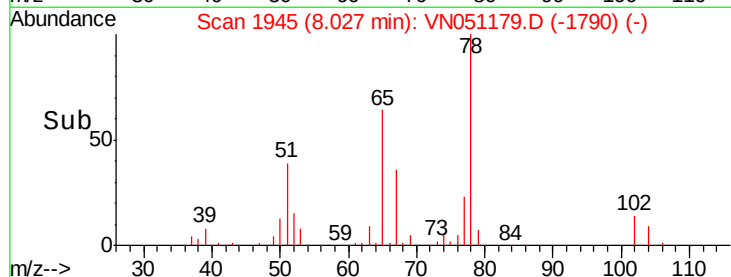
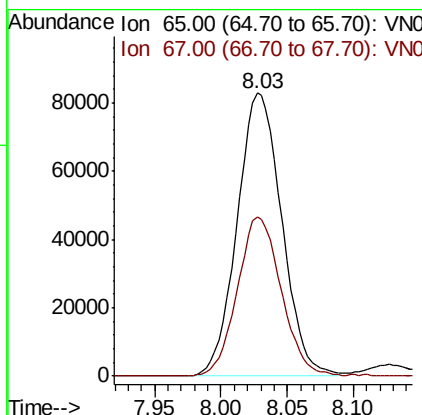
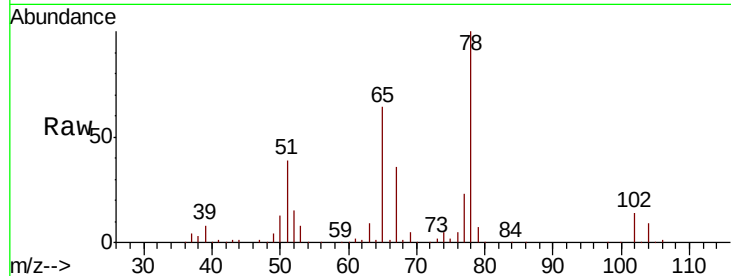
#27
 1,2-Dichloroethane-d4
 Concen: 29.07 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion: 65 Resp: 194101
 Ion Ratio Lower Upper
 65 100
 67 55.3 43.7 65.5

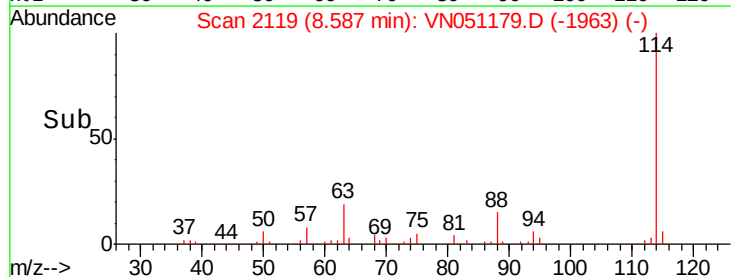
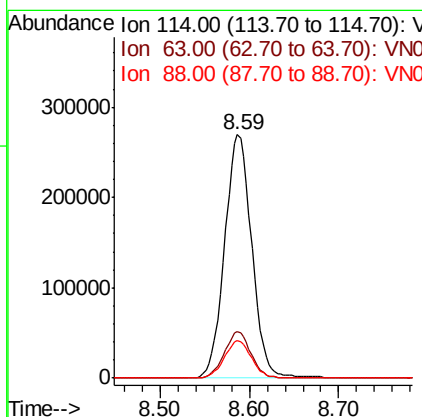
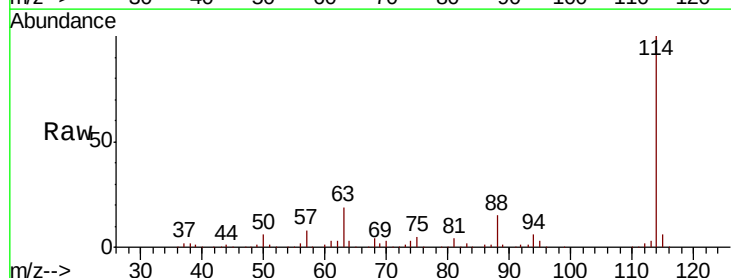
Manual Integrations
 APPROVED

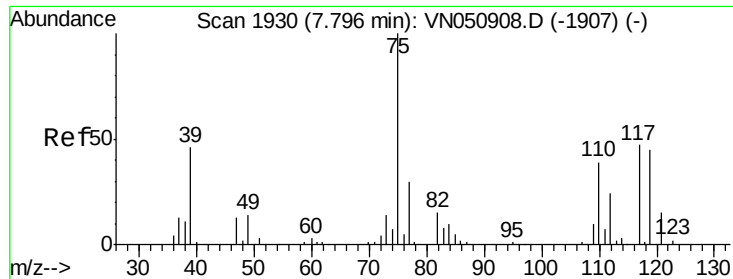
MMDadoda
 9/17/2018 1:39:37 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion: 114 Resp: 568307
 Ion Ratio Lower Upper
 114 100
 63 18.6 15.6 23.4
 88 15.3 12.2 18.4





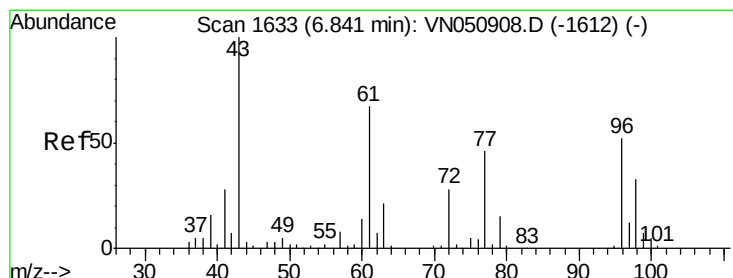
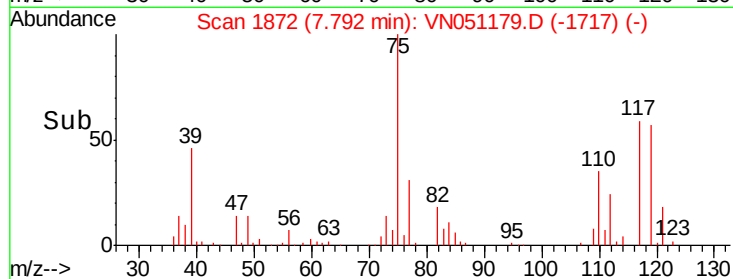
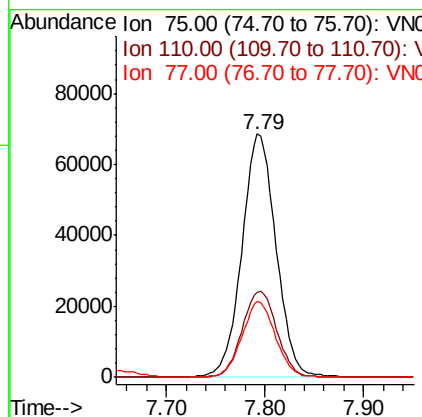
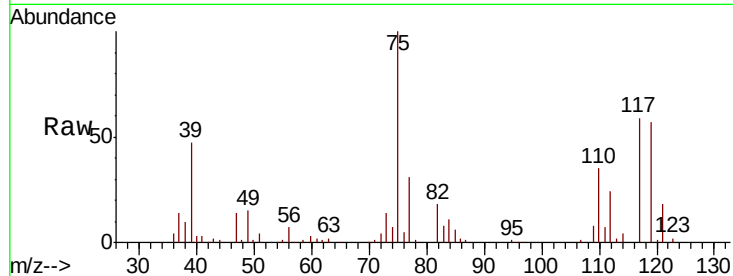
#29
 1,1-Dichloropropene
 Concen: 19.33 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100	164459		
110	36.0	0.0	75.0	
77	30.7	0.0	60.6	

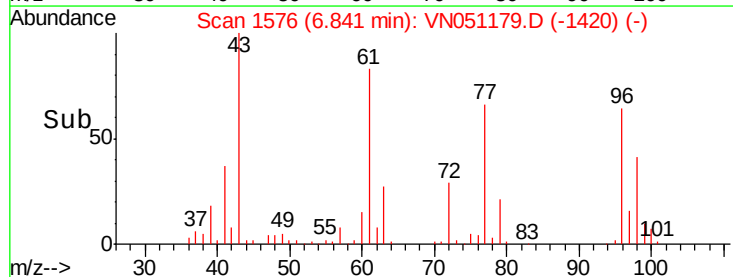
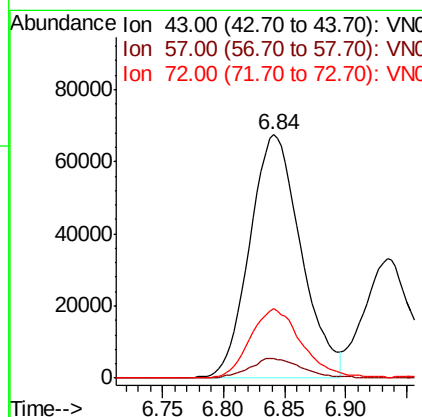
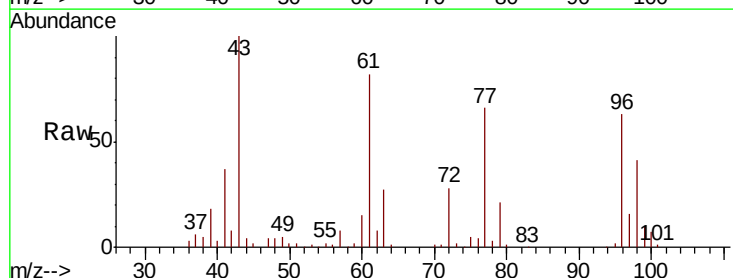
Manual Integrations
 APPROVED

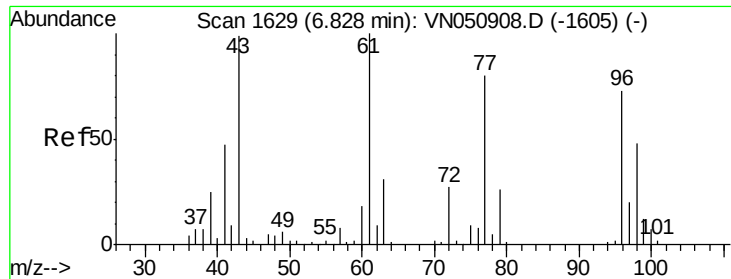
MMDadoda
 9/17/2018 1:39:37 PM



#30
 2-Butanone
 Concen: 75.27 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	197021		
57	8.3	6.9	10.3	
72	28.6	22.8	34.2	





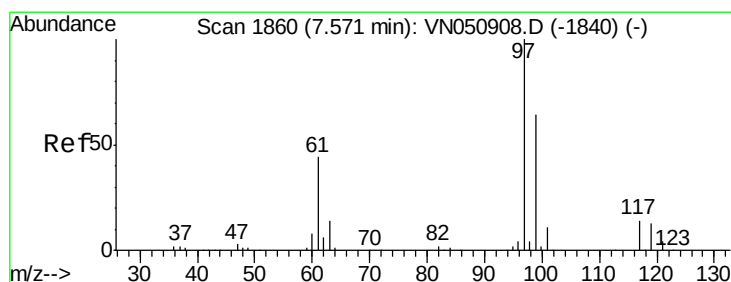
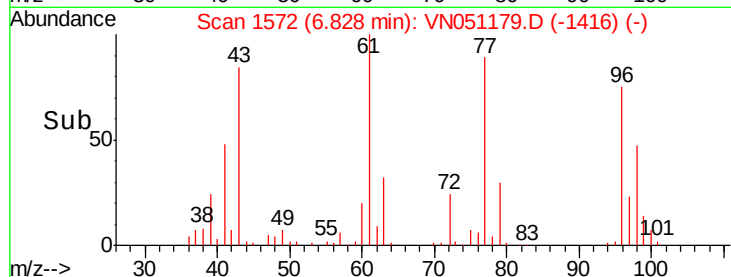
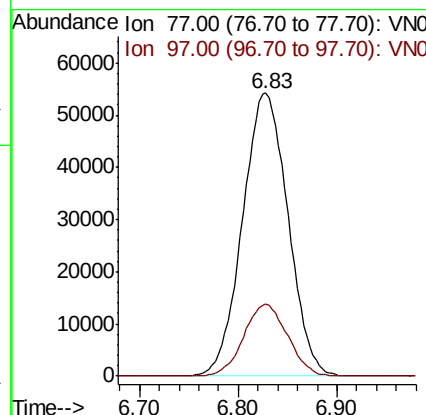
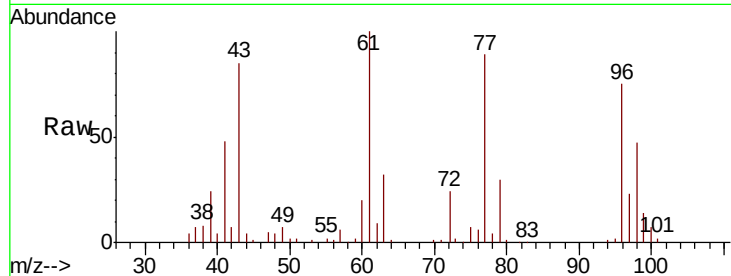
#31
 2,2-Dichloropropane
 Concen: 20.91 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion: 77 Resp: 173093
 Ion Ratio Lower Upper
 77 100
 97 24.5 20.2 30.2

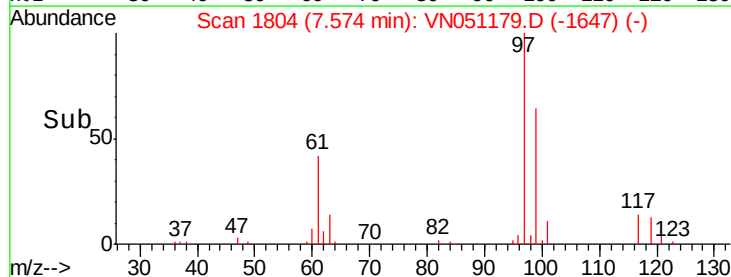
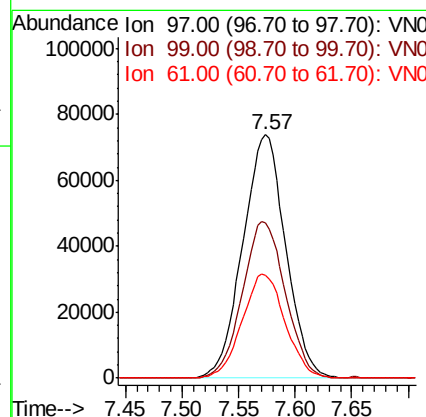
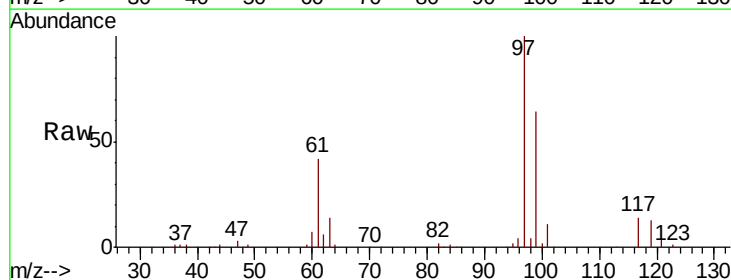
Manual Integrations
 APPROVED

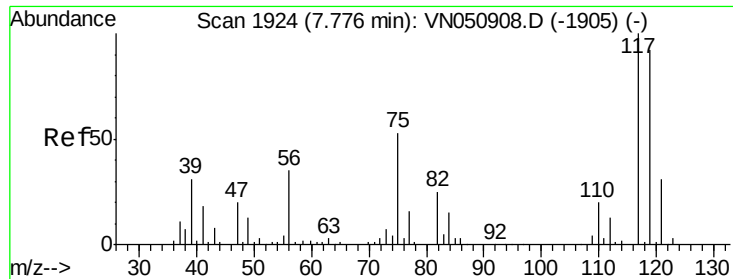
MMDadoda
 9/17/2018 1:39:37 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.17 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion: 97 Resp: 194574
 Ion Ratio Lower Upper
 97 100
 99 64.4 52.0 78.0
 61 43.0 35.0 52.6





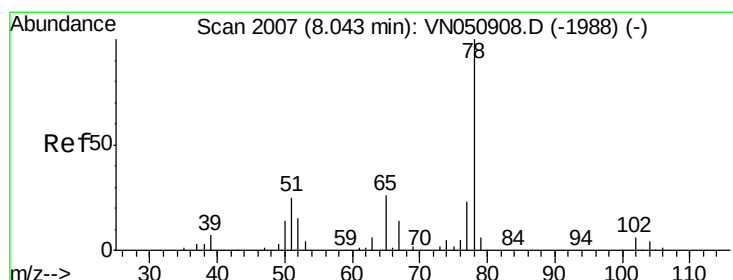
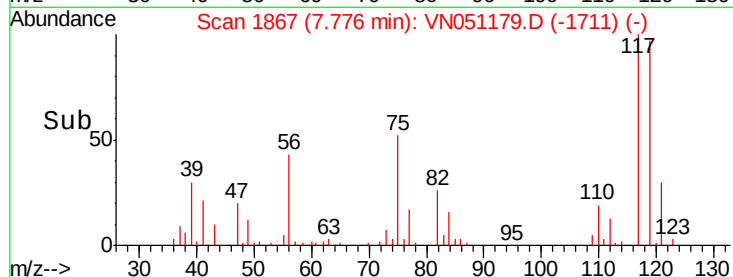
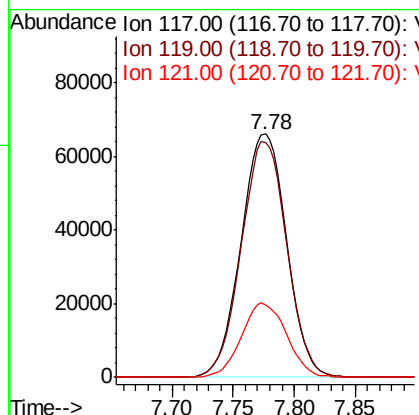
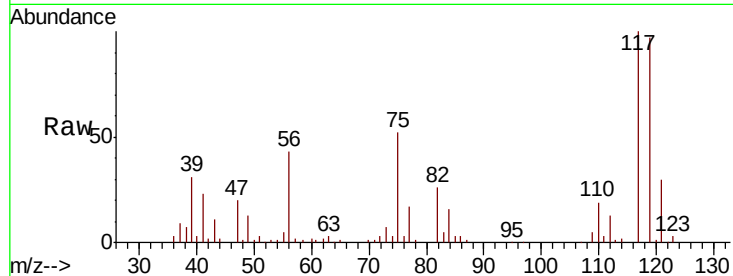
#33
Carbon Tetrachloride
Concen: 19.72 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.6	73.5	110.3
121	29.9	24.6	37.0

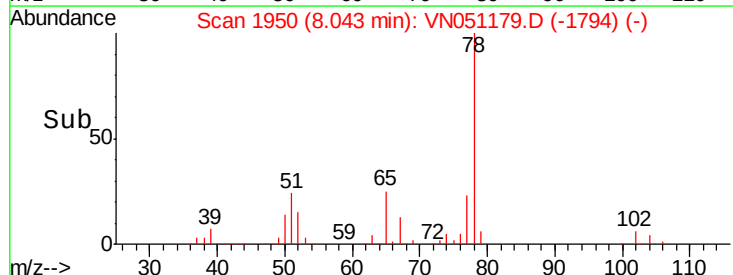
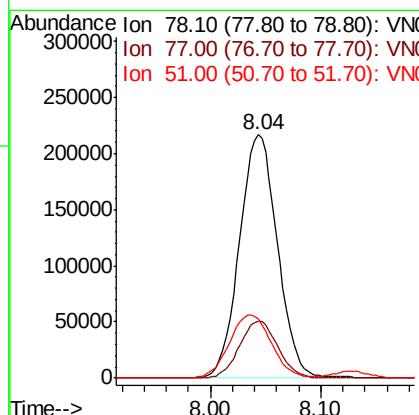
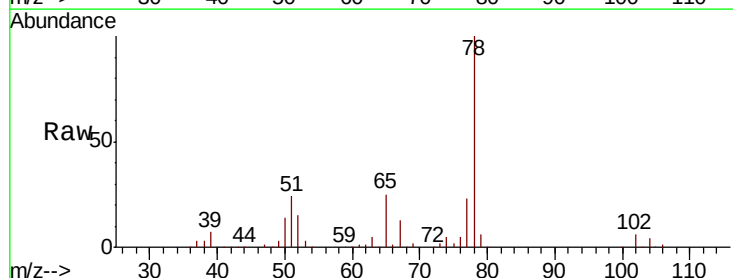
Manual Integrations
APPROVED

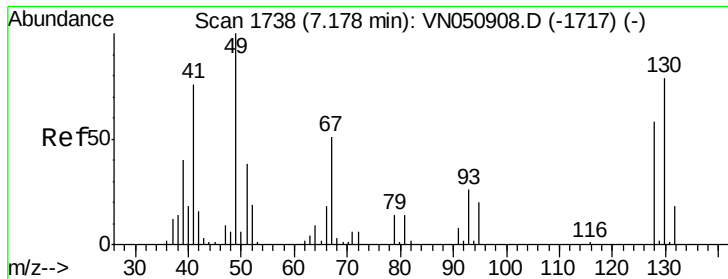
MMDadoda
9/17/2018 1:39:37 PM



#34
Benzene
Concen: 19.67 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0
51	23.9	20.0	30.0





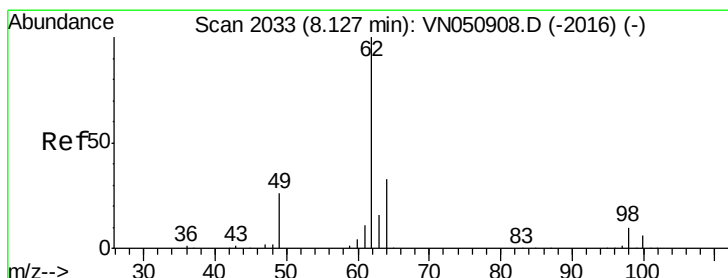
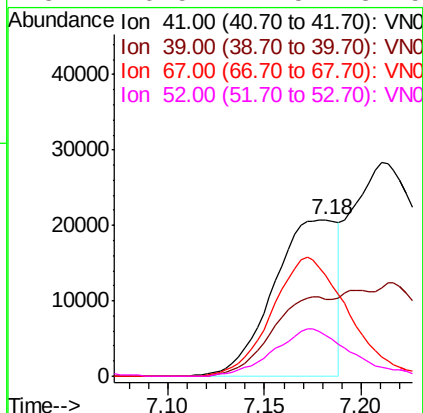
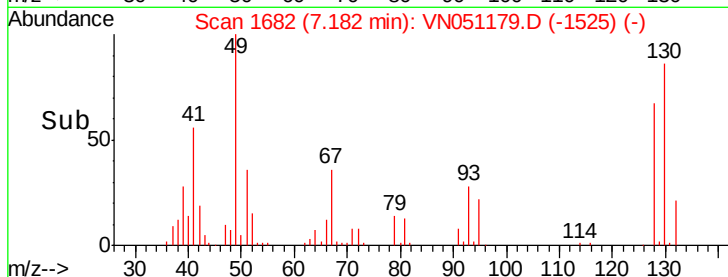
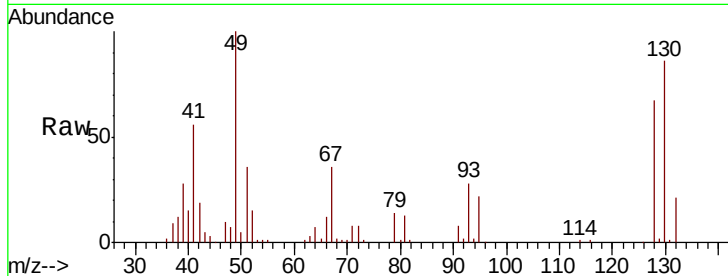
#35
Methacrylonitrile
Concen: 16.68 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.3	26.2	78.5	
67	64.5	33.9	101.6	
52	26.5	12.5	37.5	

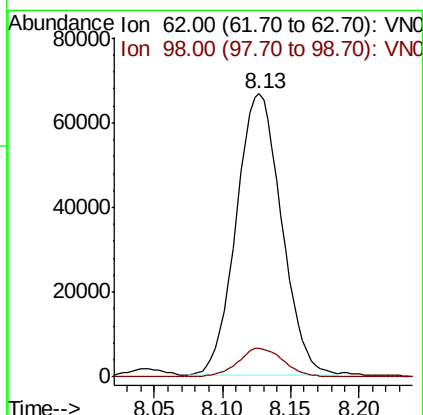
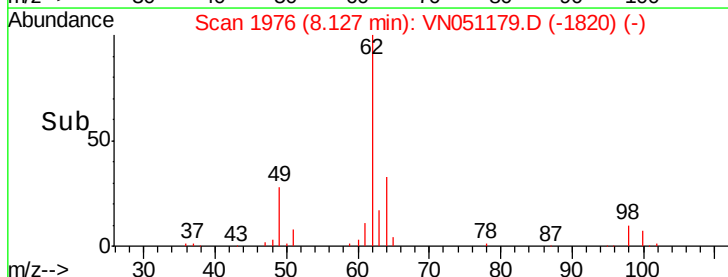
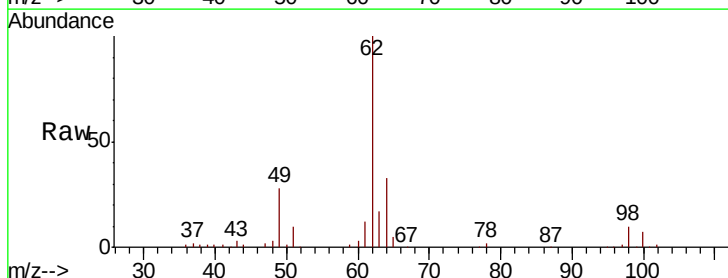
Manual Integrations
APPROVED

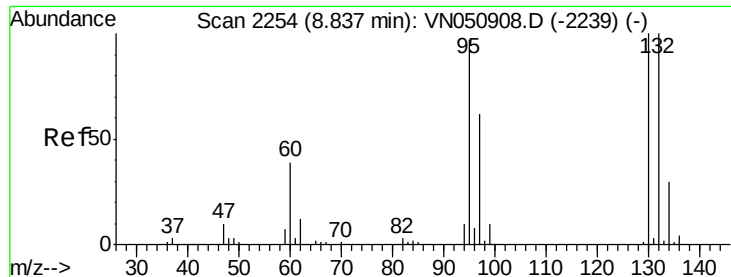
MMDadoda
9/17/2018 1:39:37 PM



#36
1,2-Dichloroethane
Concen: 19.30 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	8.0	12.0	





#37

Trichloroethene

Concen: 19.61 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampled :

VN0914WBS01

Tot Ion:130 Resp: 134934

Ion Ratio Lower Upper

130 100

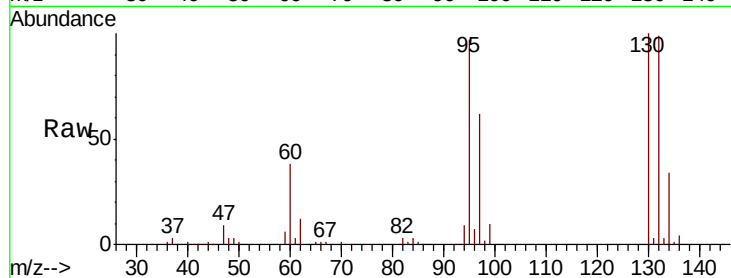
95 96.8 77.4 116.0

Manual Integrations

APPROVED

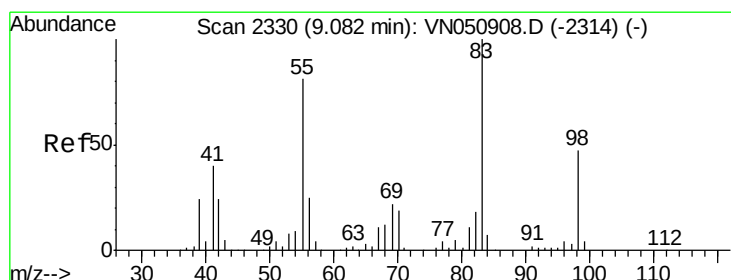
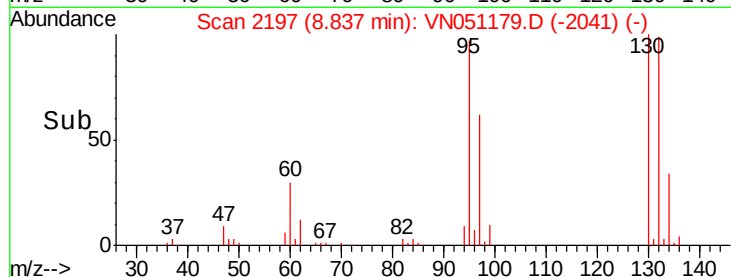
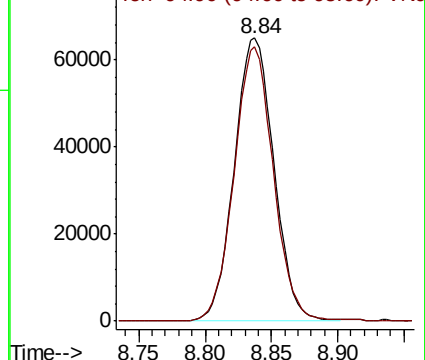
MMDadoda

9/17/2018 1:39:37 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 18.41 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

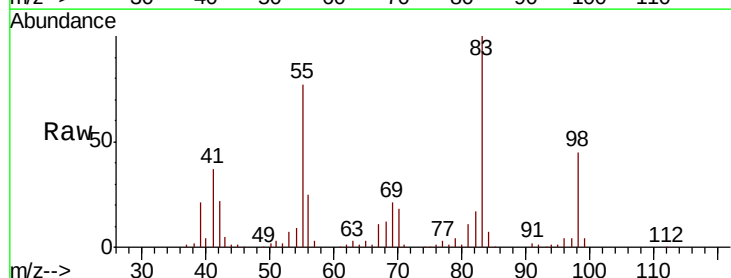
Tgt Ion: 83 Resp: 168184

Ion Ratio Lower Upper

83 100

55 76.2 38.9 116.7

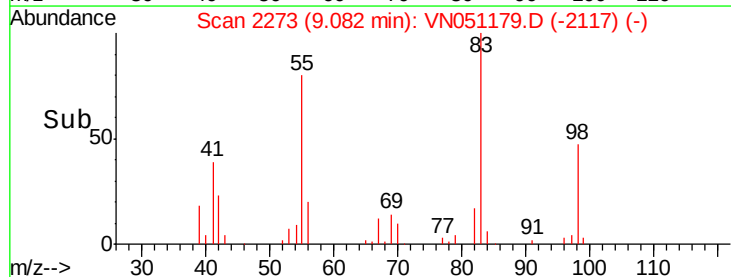
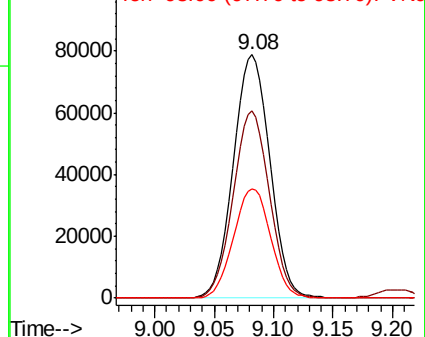
98 45.6 22.9 68.7

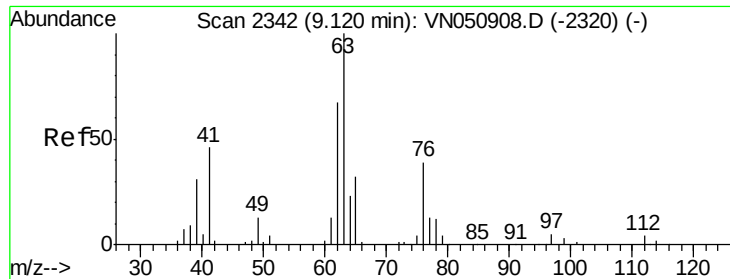


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





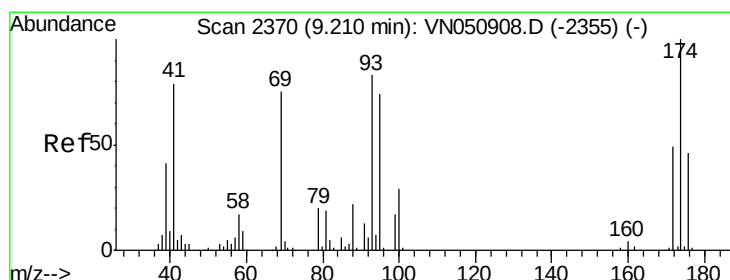
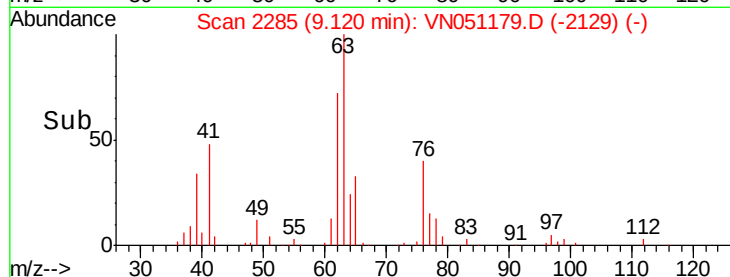
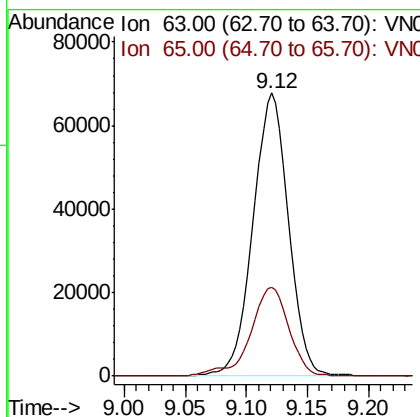
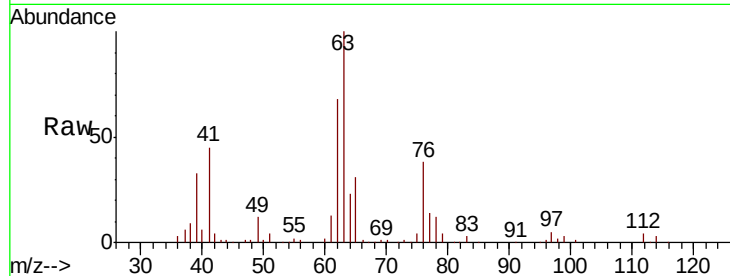
#39
 1,2-Dichloropropane
 Concen: 19.86 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion	63	Resp	136501
Ion Ratio	Lower	Upper	
63	100		
65	31.5	25.6	38.4

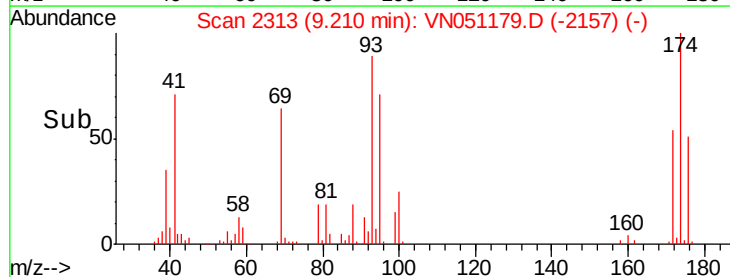
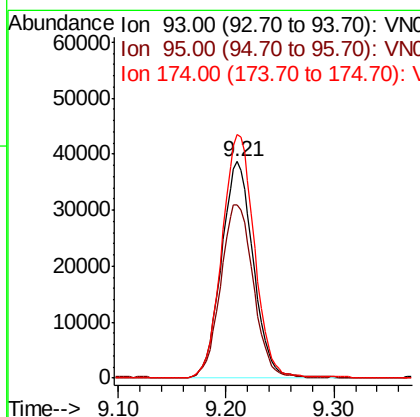
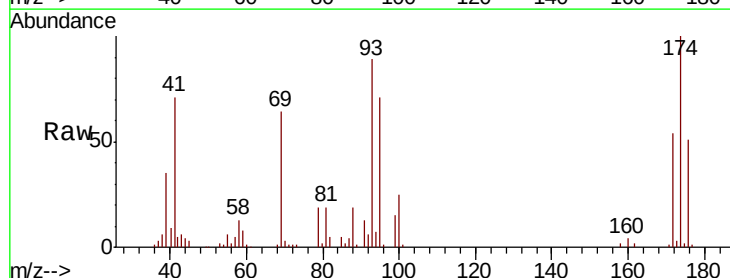
Manual Integrations
 APPROVED

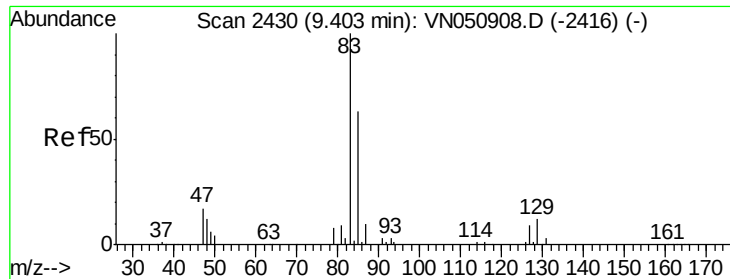
MMDadoda
 9/17/2018 1:39:37 PM



#40
 Dibromomethane
 Concen: 19.25 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion	93	Resp	79705
Ion Ratio	Lower	Upper	
93	100		
95	82.1	0.0	173.4
174	113.7	0.0	234.8





#41

Bromodichloromethane

Concen: 19.67 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

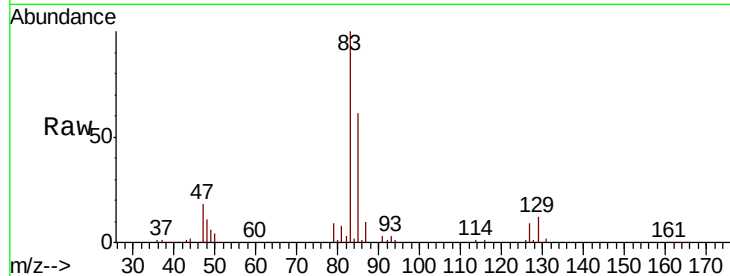
ClientSampleId :

VN0914WBS01

Tot Ion:	83	Resp:	171663
Ion Ratio	Lower	Upper	
83	100		
85	61.1	50.6	76.0
127	8.8	7.1	10.7

Manual Integrations
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MMDadoda
9/17/2018 1:39:37 PM

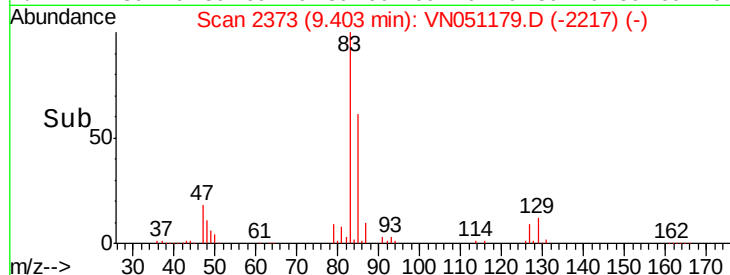


Abundance Ion 83.00 (82.70 to 83.70): VN051179.D (-2217) (-)

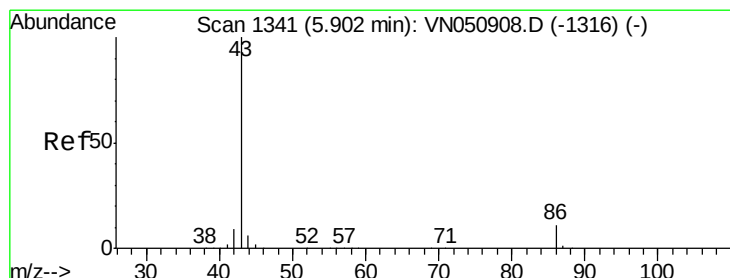
Ion 85.00 (84.70 to 85.70): VN051179.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN051179.D (-2217) (-)

Time-->



Time-->



#42

Vinyl Acetate

Concen: 90.85 ug/l

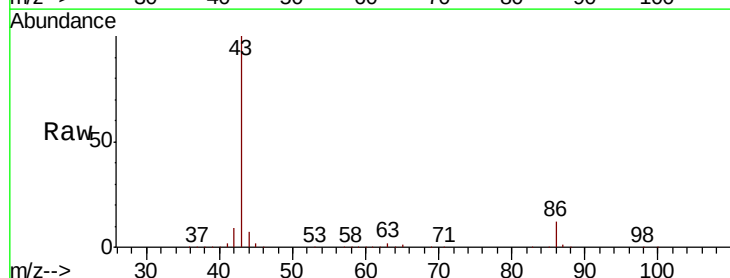
RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

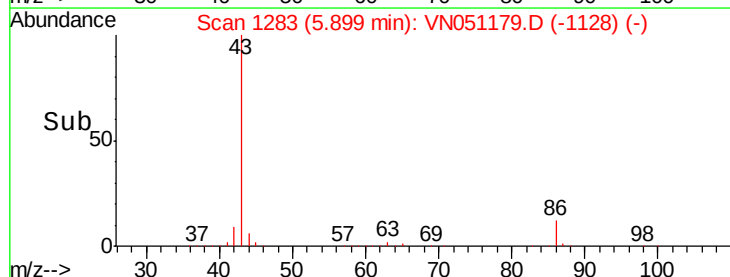
Tgt Ion:	43	Resp:	1095248
Ion Ratio	Lower	Upper	
43	100		
86	9.5	7.2	10.8



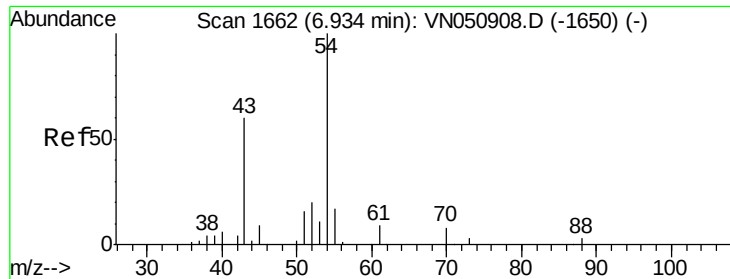
Abundance Ion 43.00 (42.70 to 43.70): VN051179.D (-1128) (-)

Ion 86.00 (85.70 to 86.70): VN051179.D (-1128) (-)

Time-->



Time-->



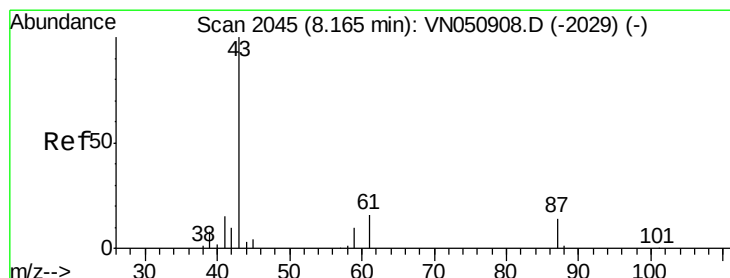
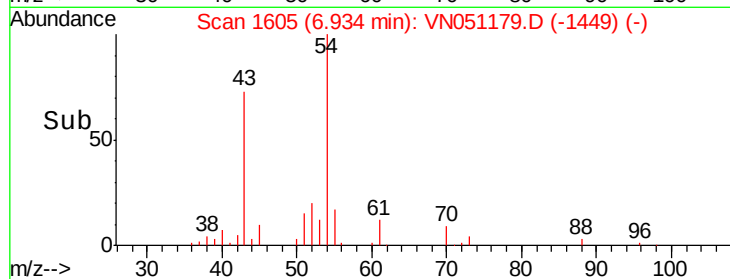
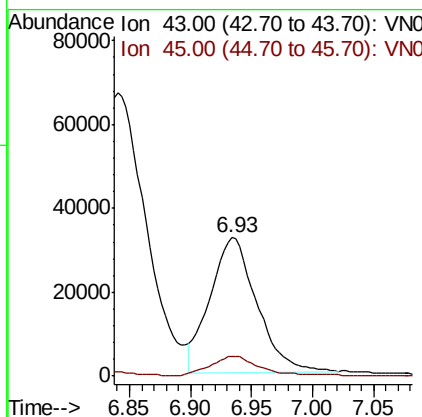
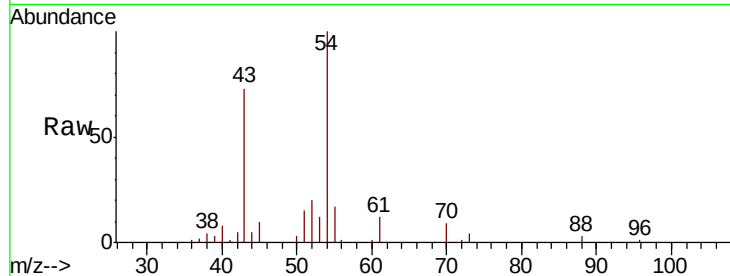
#43
Ethyl Acetate
Concen: 16.13 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion: 43 Resp: 86508
Ion Ratio Lower Upper
43 100
45 13.7 10.2 15.2

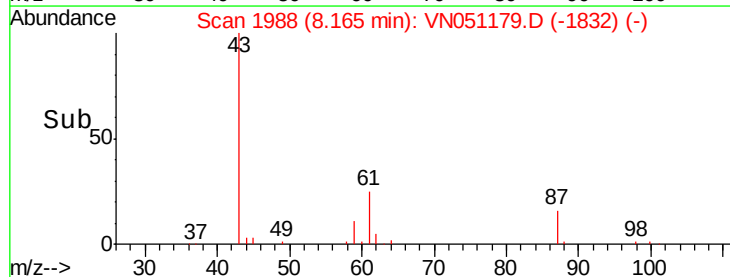
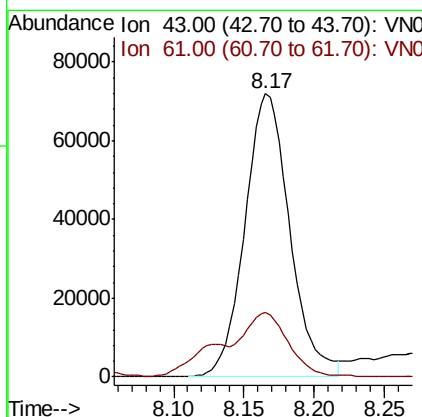
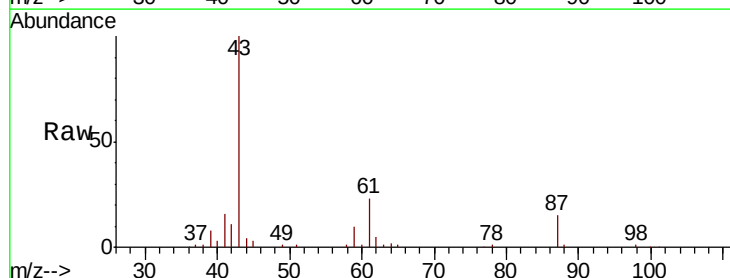
Manual Integrations
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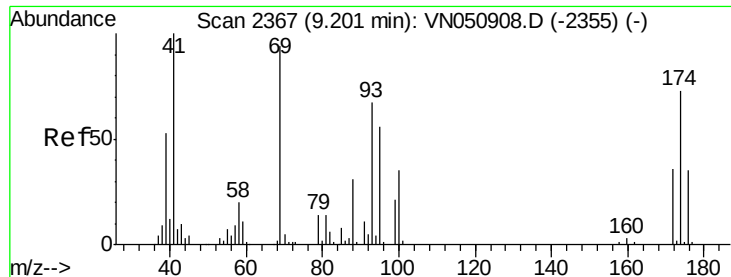
MMDadoda
9/17/2018 1:39:37 PM



#44
Isopropyl Acetate
Concen: 16.97 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion: 43 Resp: 160602
Ion Ratio Lower Upper
43 100
61 21.9 16.3 24.5





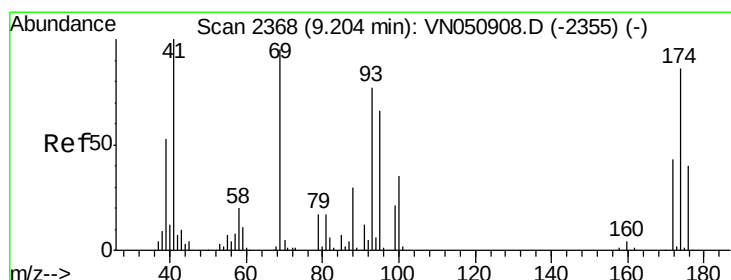
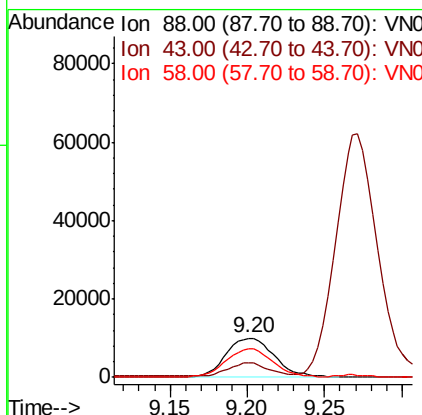
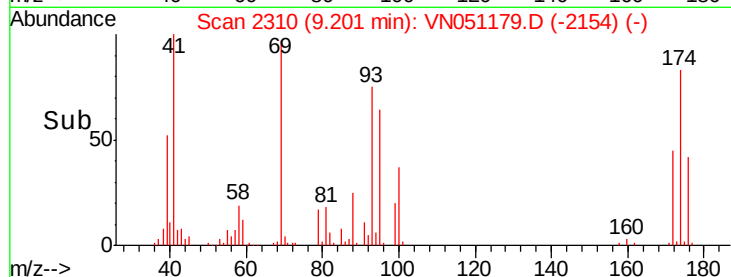
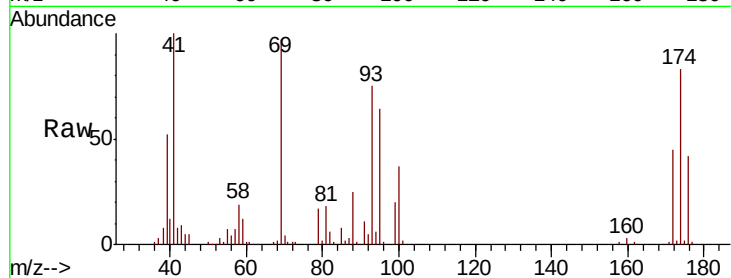
#45
 1,4-Dioxane
 Concen: 311.38 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.6	23.5	35.3
58	71.1	55.2	82.8

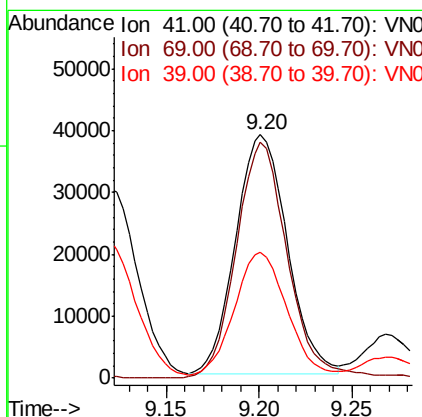
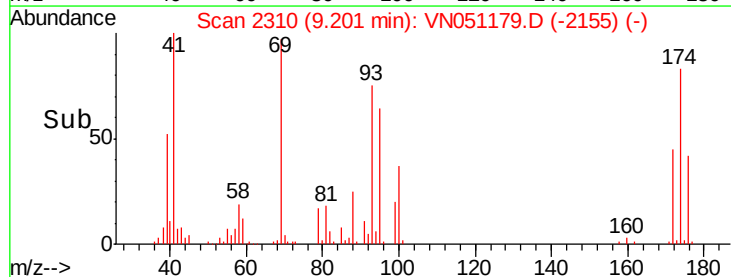
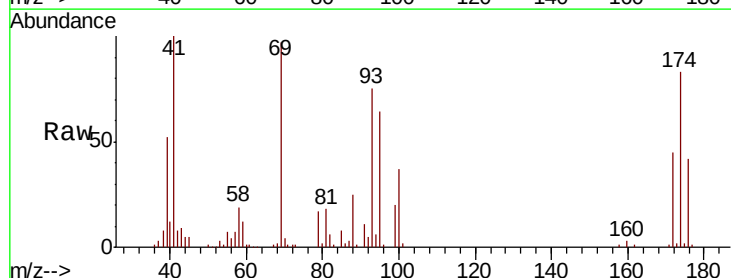
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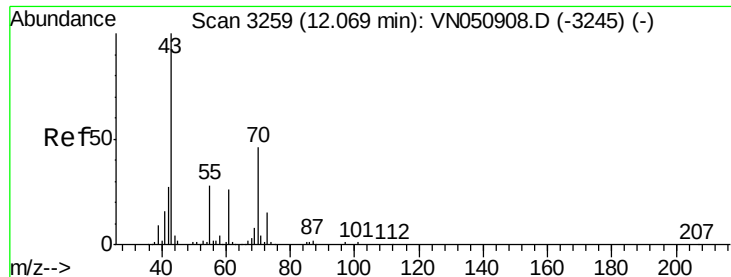
MMDadoda
 9/17/2018 1:39:37 PM



#46
 Methyl methacrylate
 Concen: 15.89 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	98.1	47.4	142.2
39	51.3	26.6	79.7





#47

n-amvl Acetate

Concen: 13.95 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampled :

VN0914WBS01

Tot Ion: 43 Resp: 106120

Ion Ratio Lower Upper

43 100

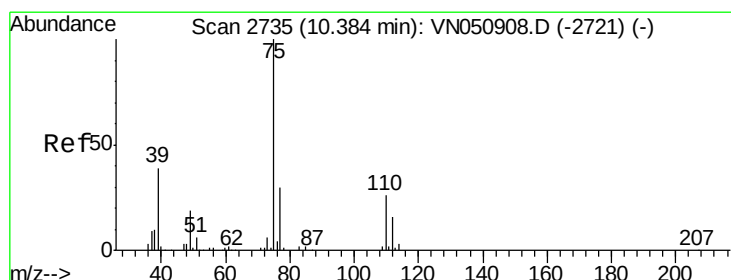
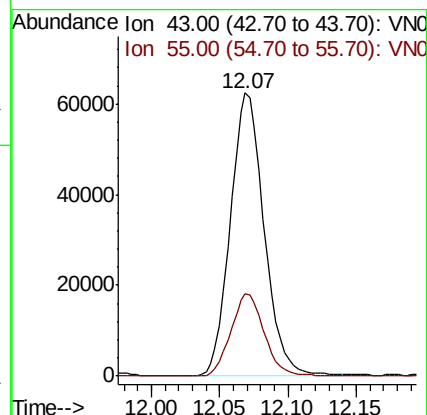
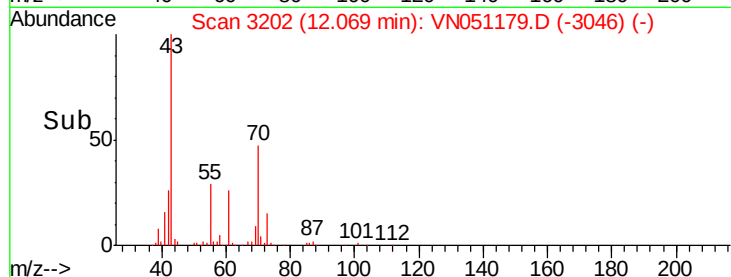
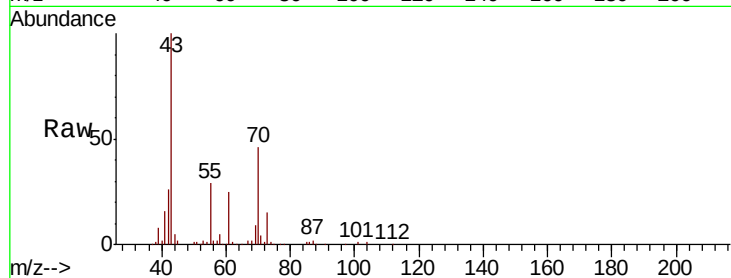
55 29.0 23.0 34.4

Manual Integrations

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9/17/2018 1:39:37 PM



#48

t-1,3-Dichloropropene

Concen: 18.21 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051179.D

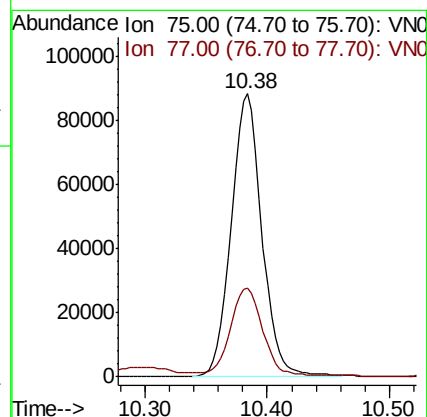
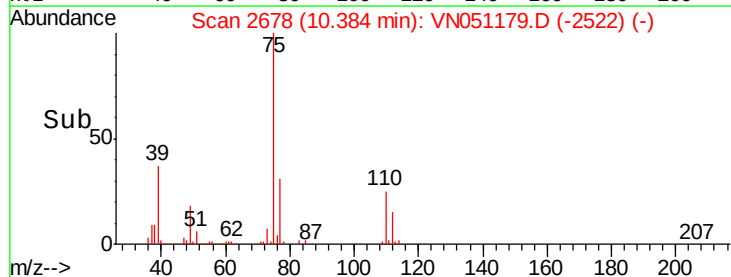
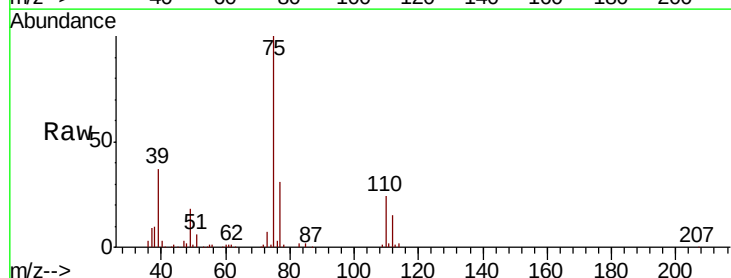
Acq: 14 Sep 2018 10:42

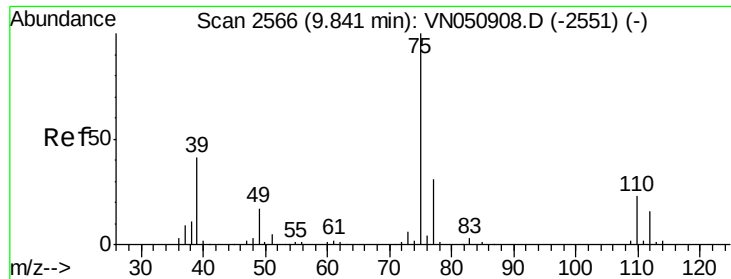
Tgt Ion: 75 Resp: 155801

Ion Ratio Lower Upper

75 100

77 30.7 24.8 37.2





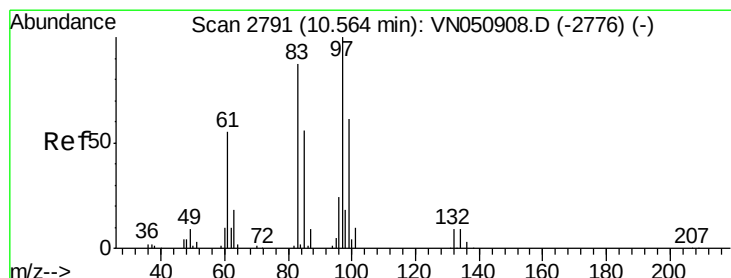
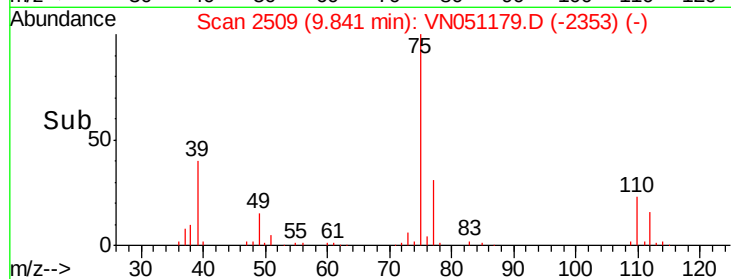
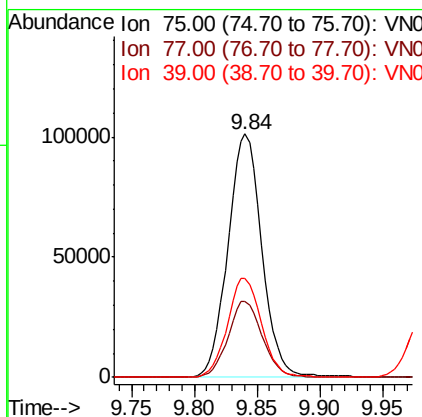
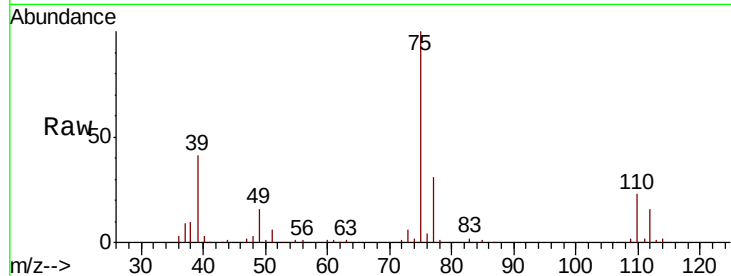
#49
 cis-1,3-Dichloropropene
 Concen: 19.36 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	31.4	25.0	37.4	
39	40.4	32.9	49.3	

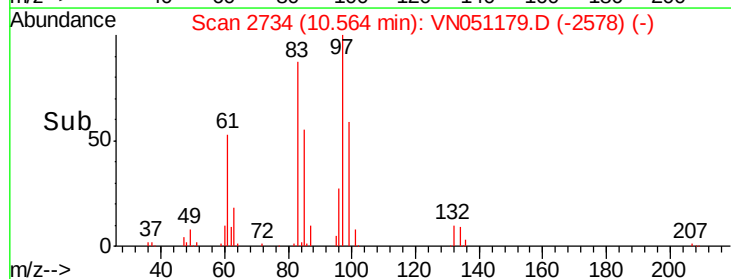
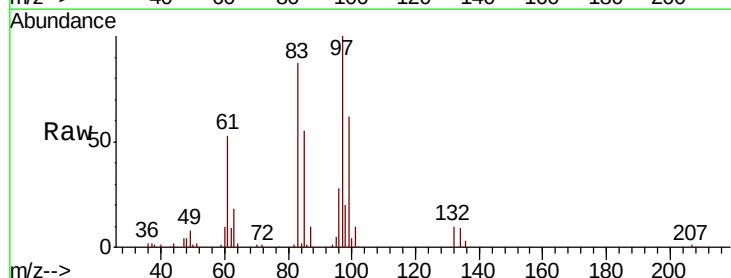
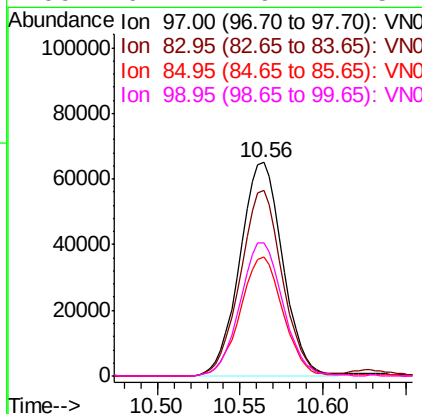
Manual Integrations
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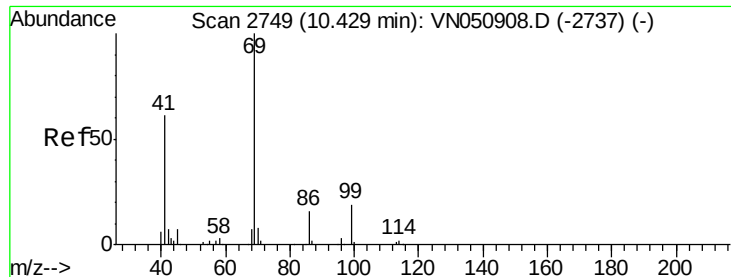
MMDadoda
 9/17/2018 1:39:37 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.48 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	86.8	69.8	104.6	
85	55.5	45.0	67.6	
99	62.4	49.1	73.7	





#51

Ethyl methacrylate

Concen: 16.76 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

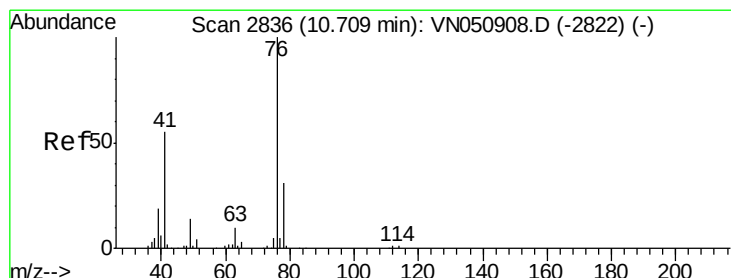
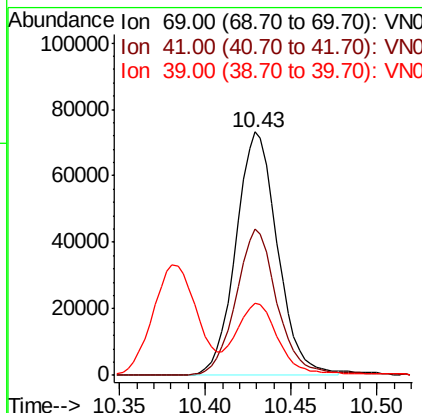
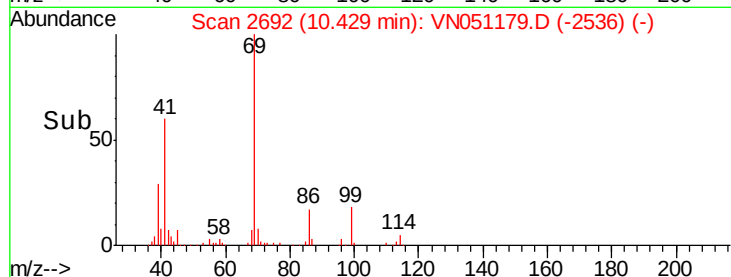
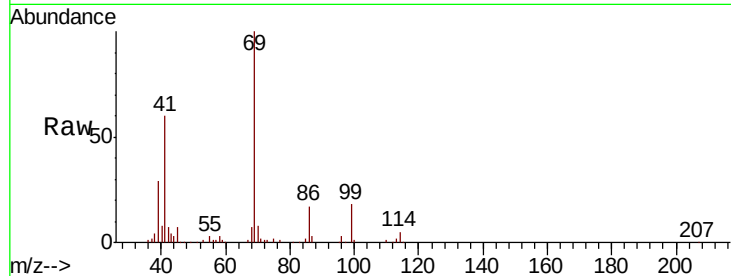
ClientSampled :

VN0914WBS01

Tot Ion:	69	Resp:	123375
Ion	Ratio	Lower	Upper
69	100		
41	59.6	30.5	91.5
39	28.4	15.3	45.8

Manual Integrations
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9/17/2018 1:39:37 PM



#52

1,3-Dichloropropane

Concen: 18.94 ug/l

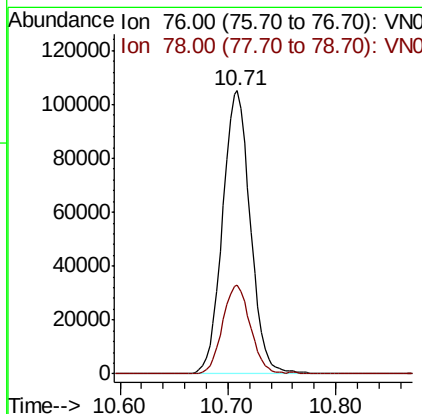
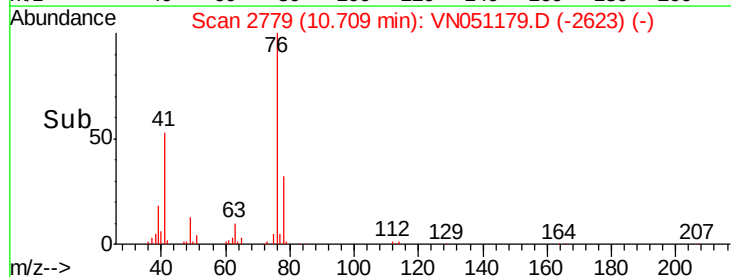
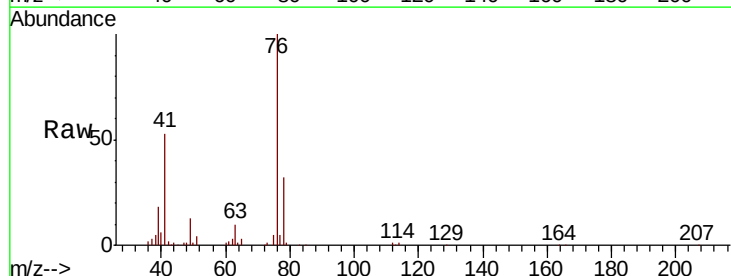
RT: 10.71 min Scan# 2779

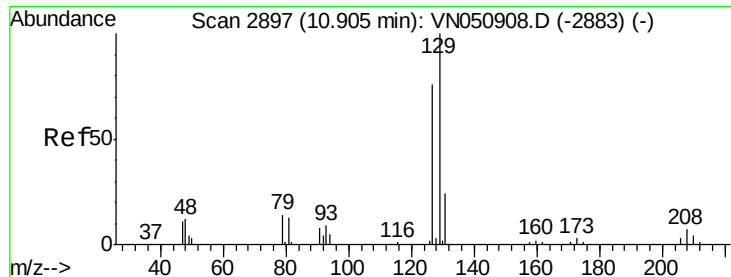
Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Tgt Ion:	76	Resp:	188723
Ion	Ratio	Lower	Upper
76	100		
78	31.5	0.0	63.4





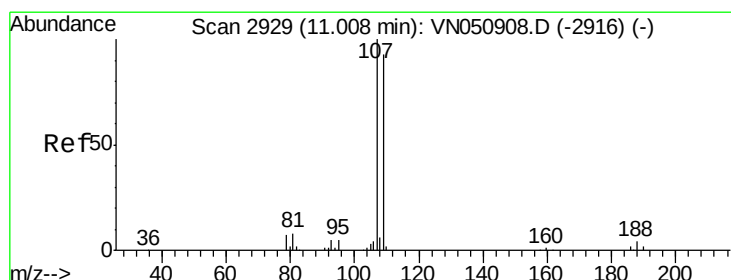
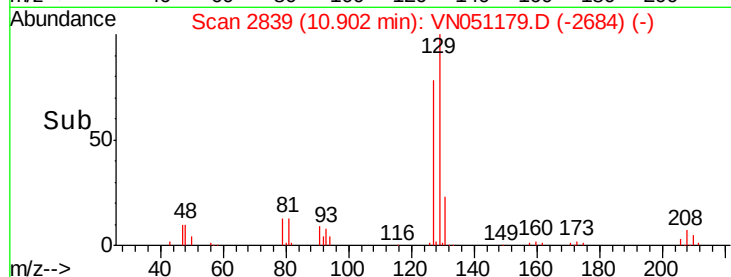
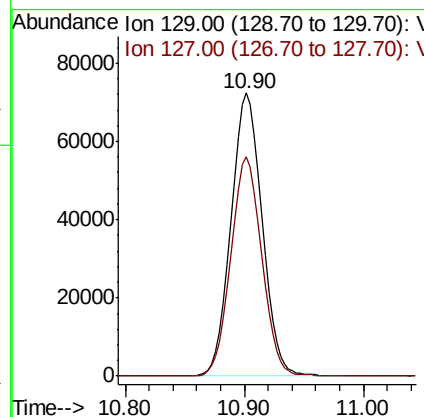
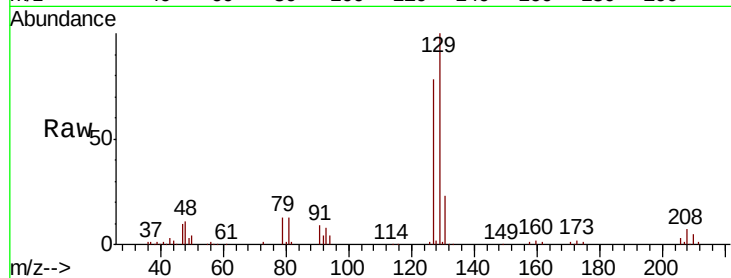
#53
 Dibromochloromethane
 Concen: 19.18 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Instrument :
 MSVOA_N
 ClientSampled :
 VN0914WBS01

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.0	116.9

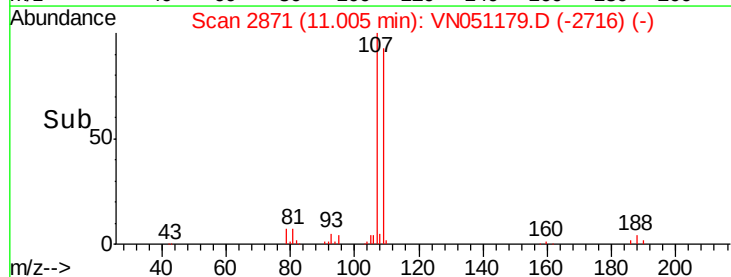
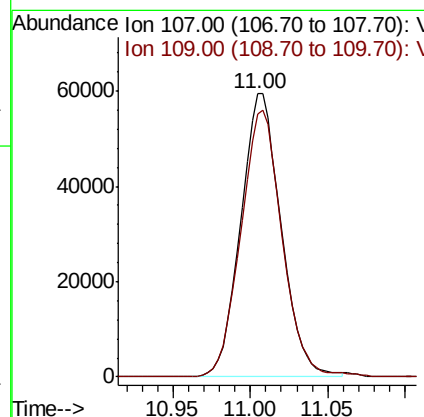
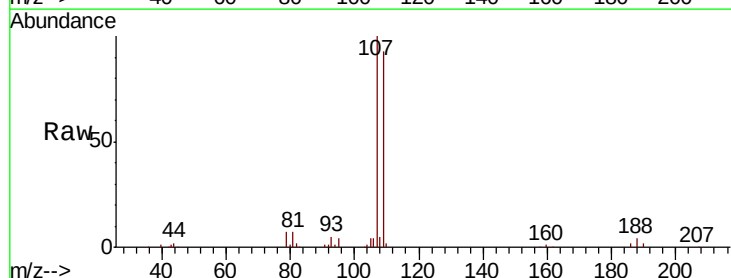
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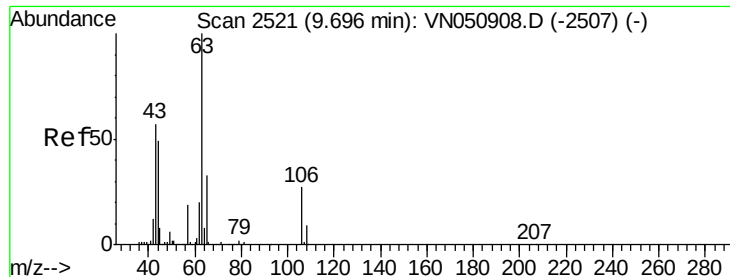
MMDadoda
 9/17/2018 1:39:37 PM



#54
 1,2-Dibromoethane
 Concen: 18.14 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.4	74.4	111.6





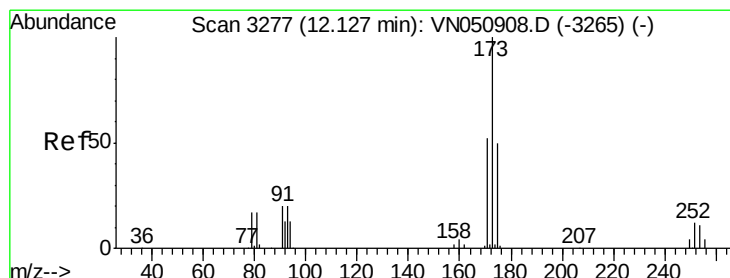
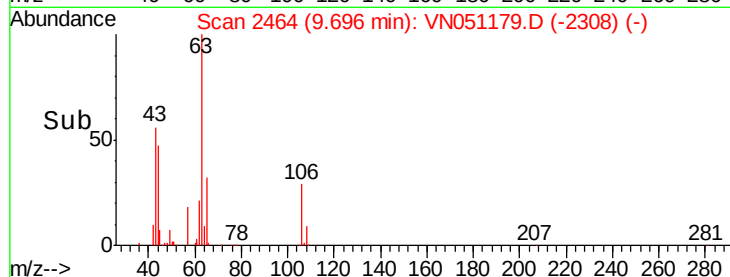
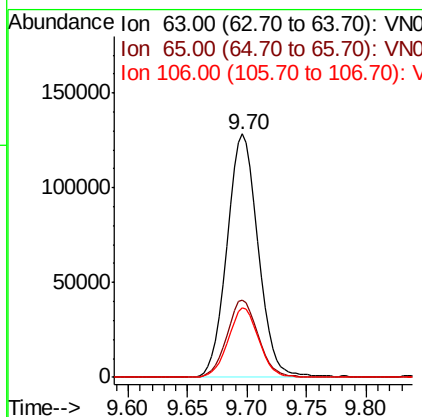
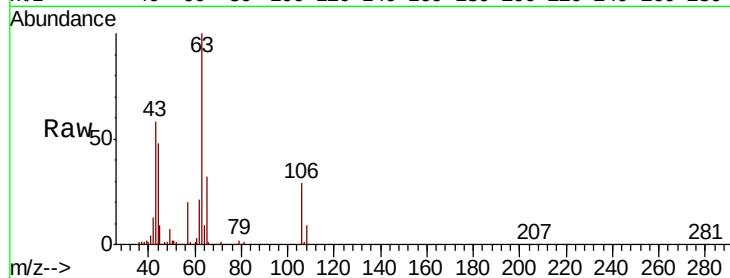
#55
2-Chloroethyl vinyl ether
Concen: 76.17 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.4	38.2
106	28.0	22.0	33.0

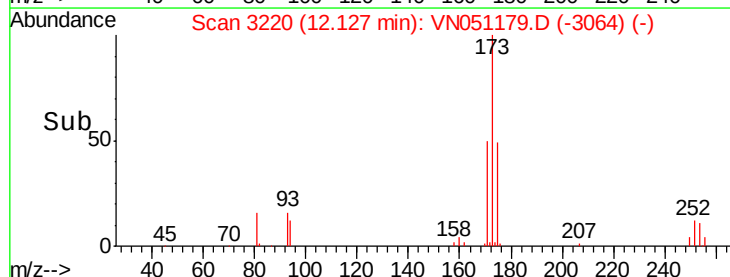
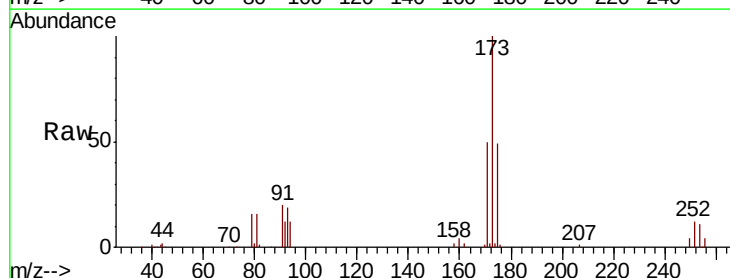
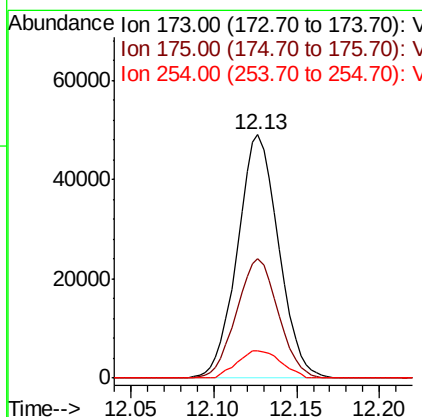
Manual Integrations
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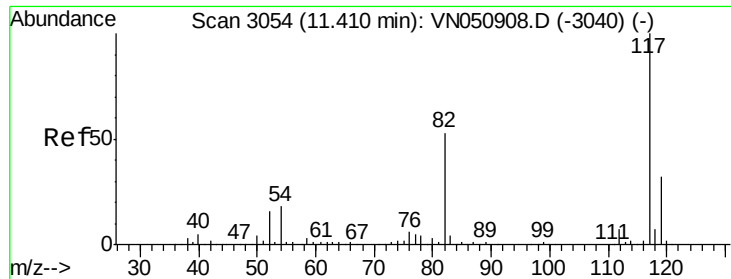
MMDadoda
9/17/2018 1:39:37 PM



#56
Bromoform
Concen: 17.40 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.8	39.2	58.8
254	11.9	9.0	13.6





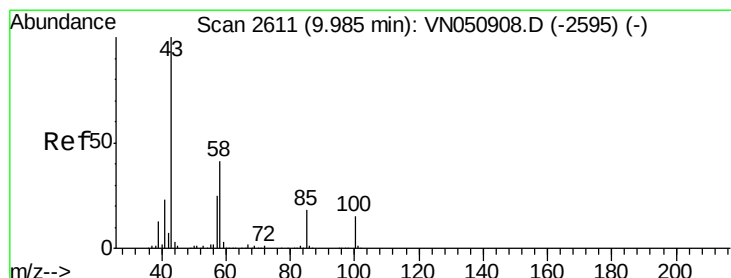
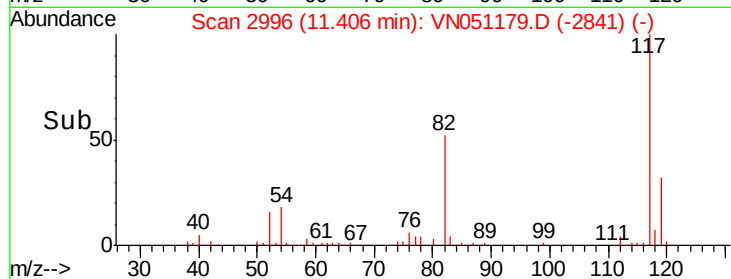
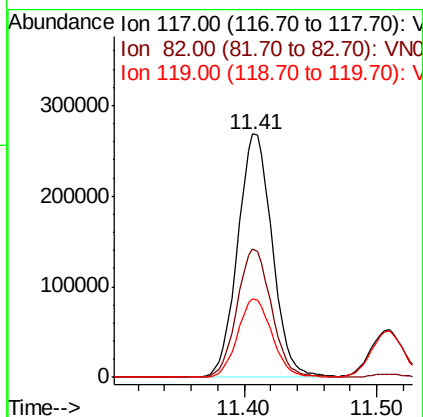
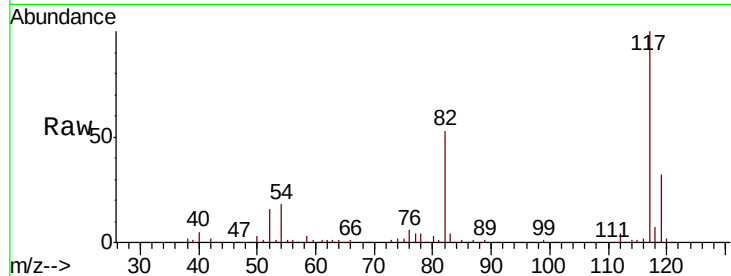
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.6	64.0
119	32.2	25.7	38.5

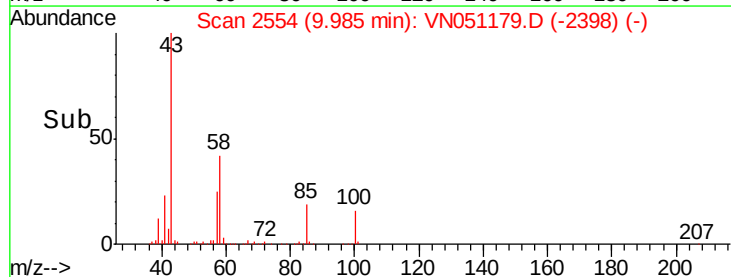
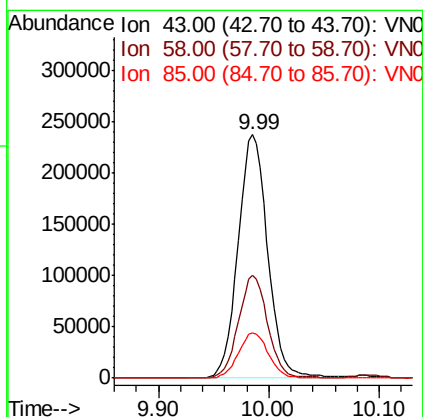
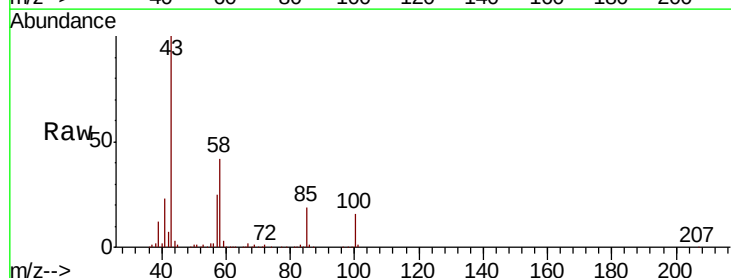
Manual Integrations
APPROVED

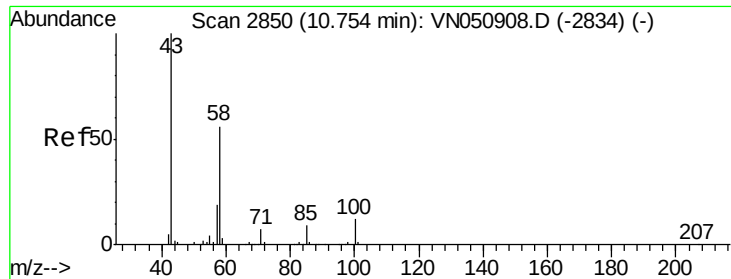
MMDadoda
9/17/2018 1:39:37 PM



#58
4-Methyl-2-Pentanone
Concen: 79.21 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.7	32.3	48.5
85	18.9	14.9	22.3





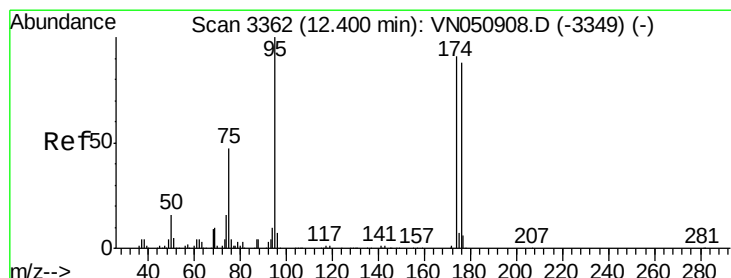
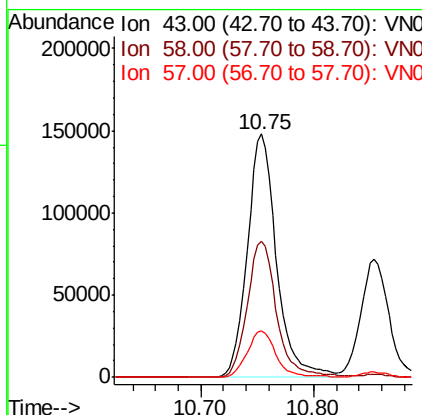
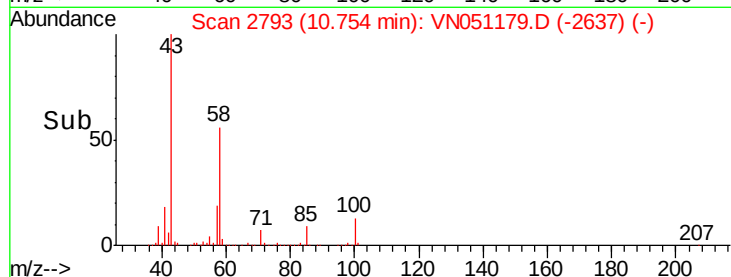
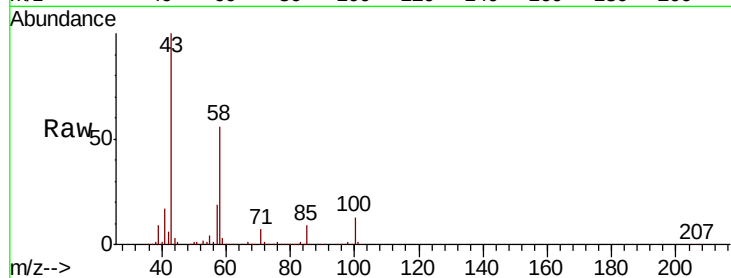
#59
2-Hexanone
Concen: 73.24 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	265682		
58	56.4		45.5	68.3
57	18.8		15.2	22.8

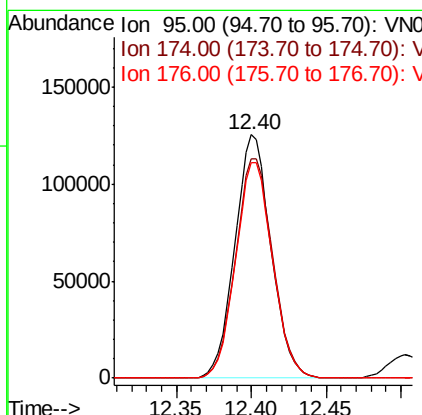
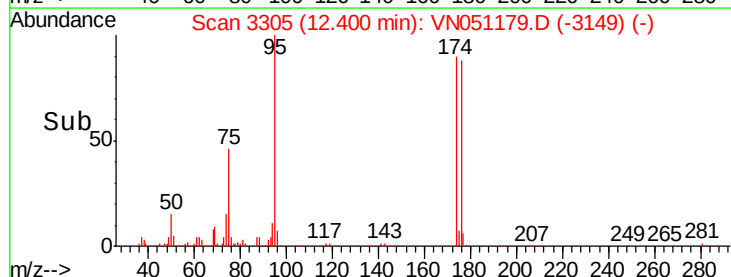
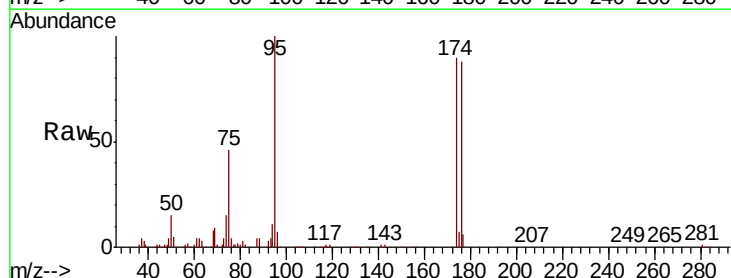
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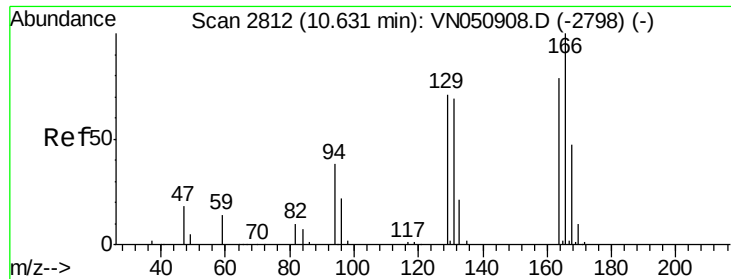
MMDadoda
9/17/2018 1:39:37 PM



#60
4-Bromofluorobenzene
Concen: 29.20 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	210639		
174	93.4		74.6	112.0
176	90.5		71.5	107.3





#61

Tetrachloroethene

Concen: 20.65 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampled :

VN0914WBS01

Tot Ion:164 Resp: 124805

Ion Ratio Lower Upper

164 100

166 130.0 100.6 151.0

129 93.0 71.0 106.6

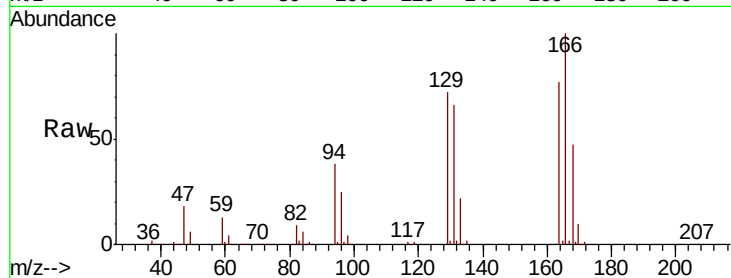
131 86.5 69.3 103.9

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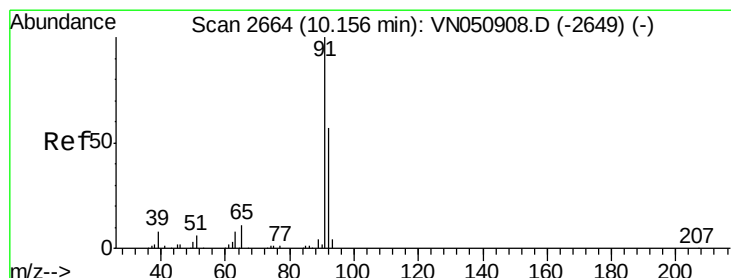
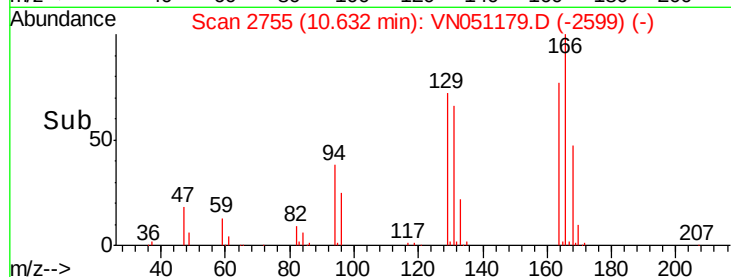
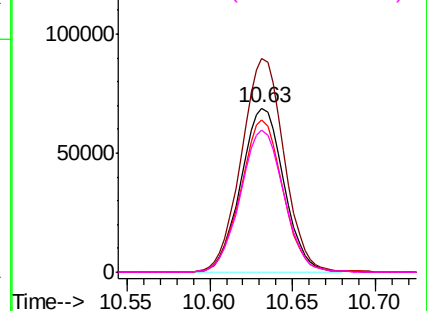


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.25 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051179.D

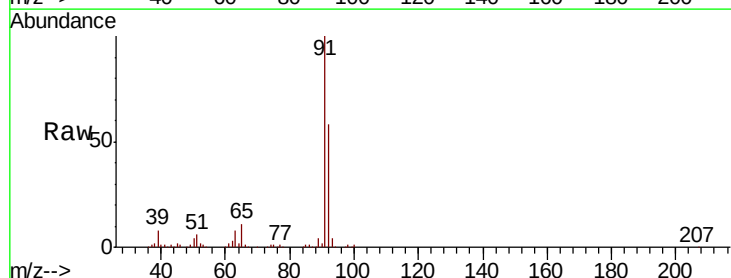
Acq: 14 Sep 2018 10:42

Tgt Ion: 91 Resp: 547964

Ion Ratio Lower Upper

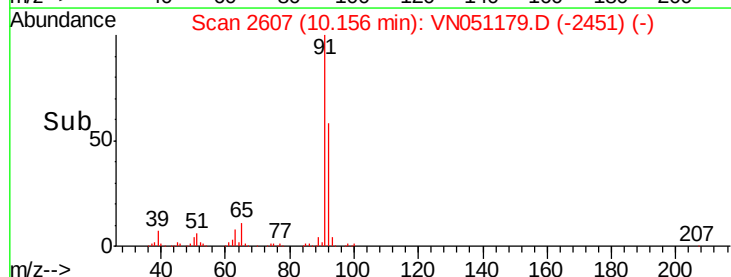
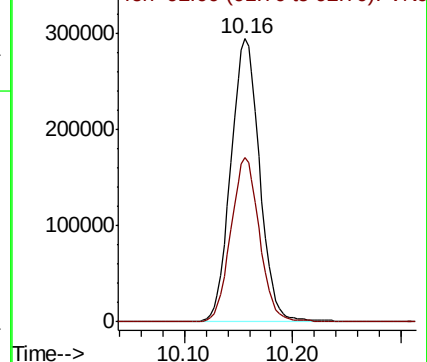
91 100

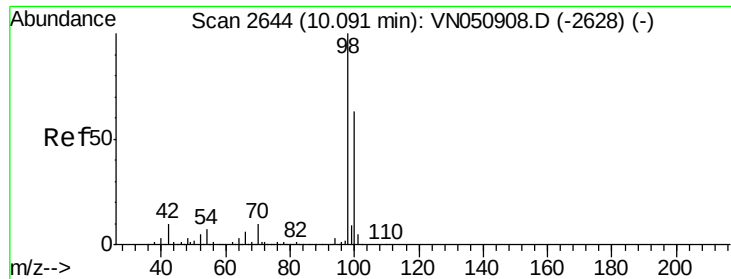
92 57.7 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





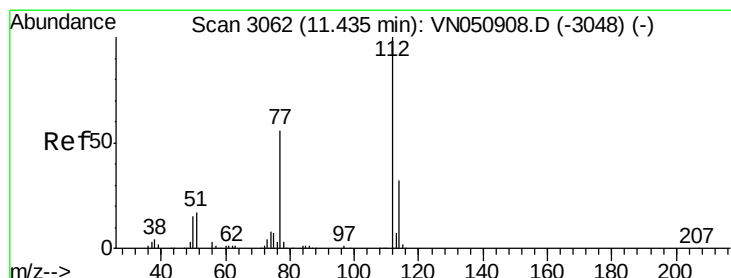
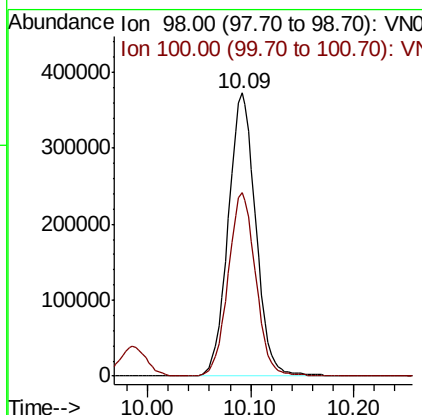
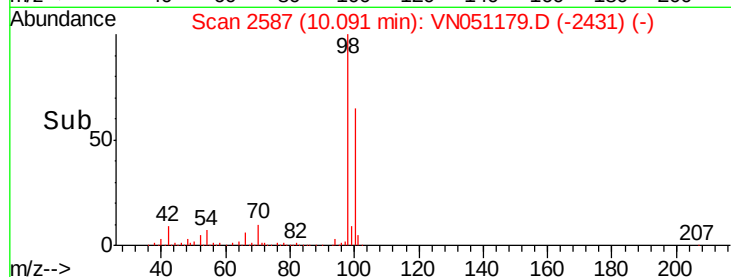
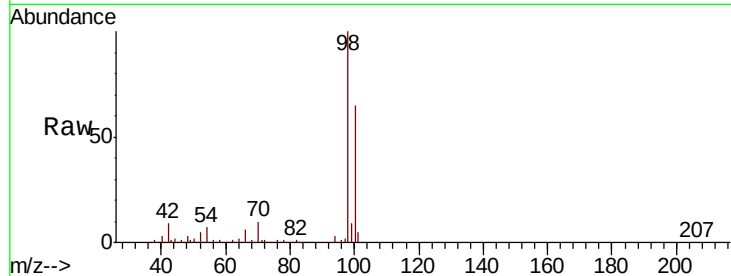
#63
Toluene-d8
Concen: 30.61 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion: 98 Resp: 692301
Ion Ratio Lower Upper
98 100
100 64.6 50.6 75.8

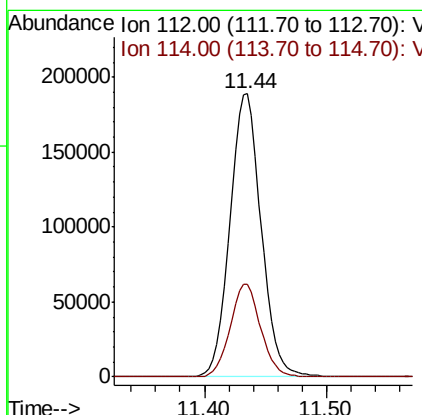
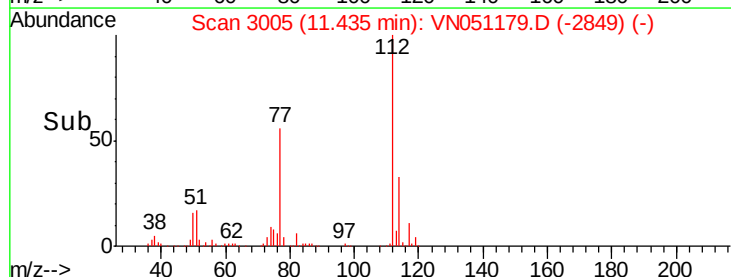
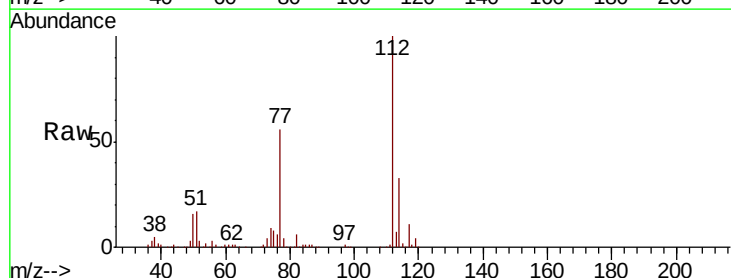
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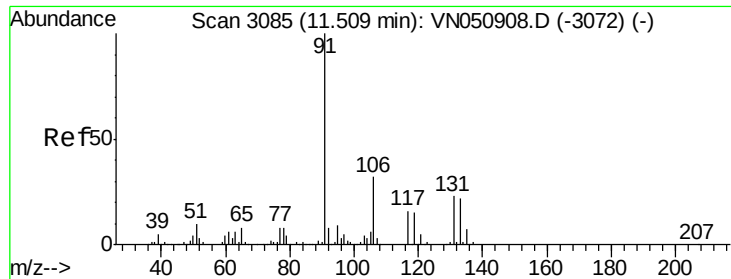
MMDadoda
9/17/2018 1:39:37 PM



#64
Chlorobenzene
Concen: 20.05 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion: 112 Resp: 336323
Ion Ratio Lower Upper
112 100
114 32.8 25.5 38.3





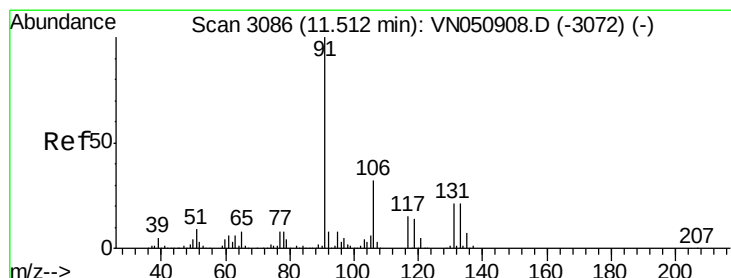
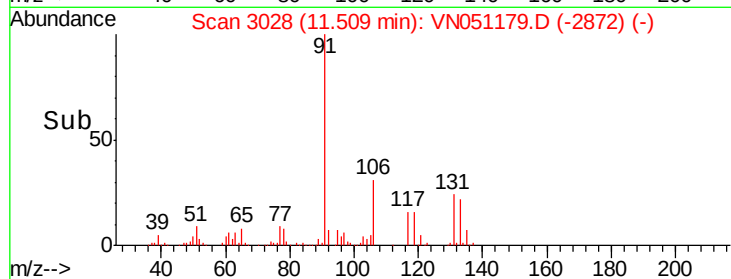
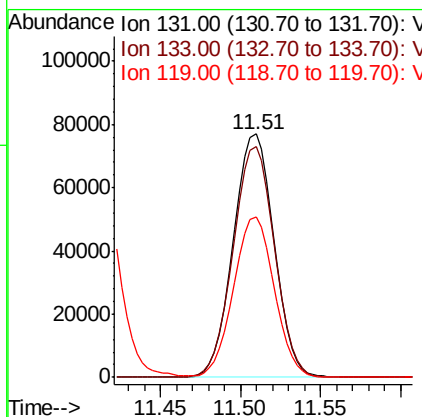
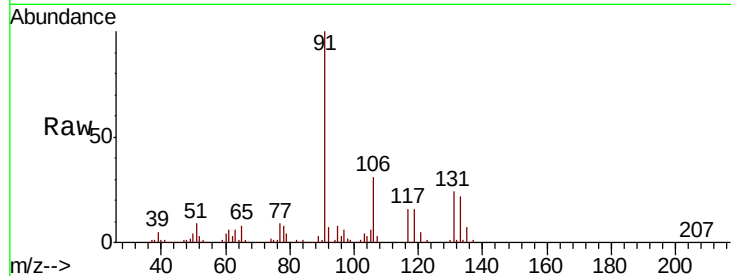
#65
 1,1,1,2-Tetrachloroethane
 Concen: 21.15 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	133933		
133	96.0	0.0	189.4	
119	65.8	0.0	132.2	

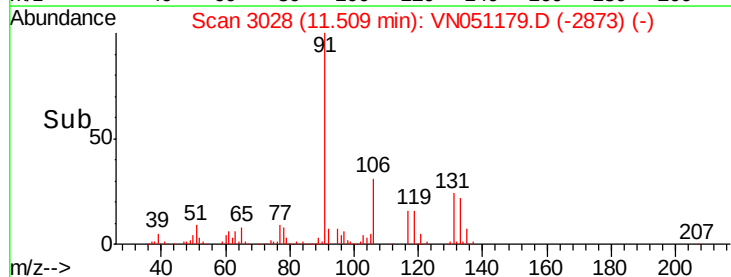
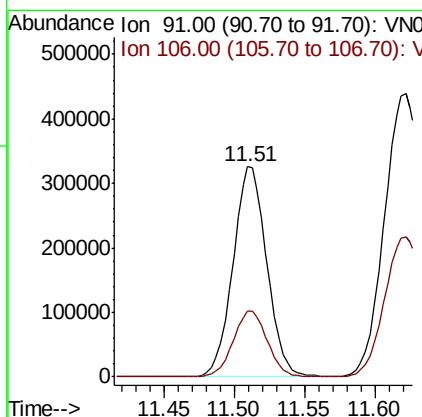
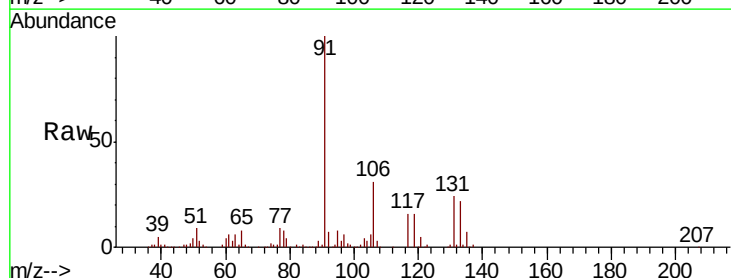
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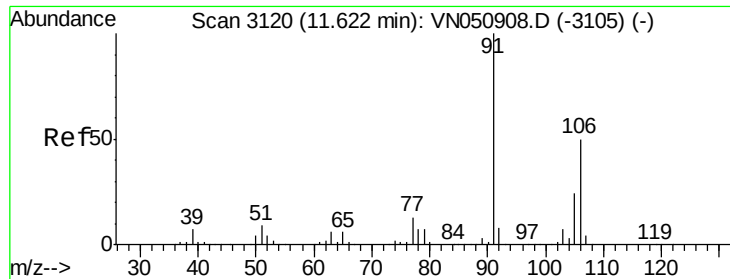
MMDadoda
 9/17/2018 1:39:37 PM



#66
 Ethyl Benzene
 Concen: 19.52 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	547233		
106	31.3	25.7	38.5	





#67

m/p-Xylenes

Concen: 40.24 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

Tot Ion:106 Resp: 434016

Ion Ratio Lower Upper

106 100

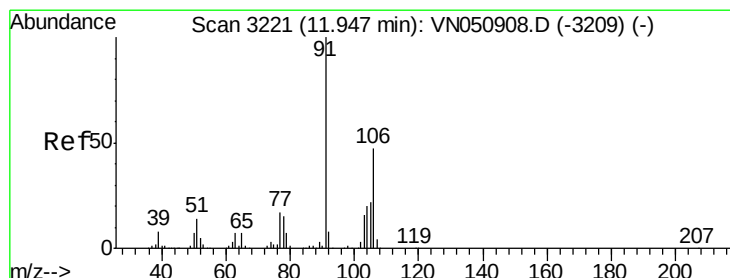
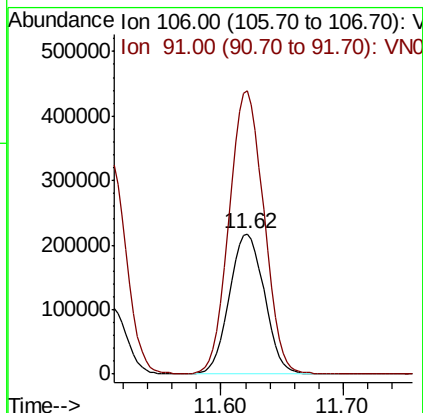
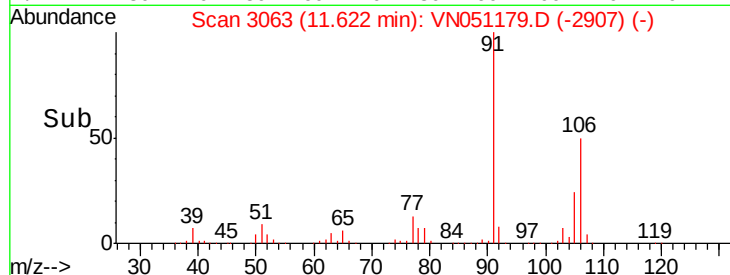
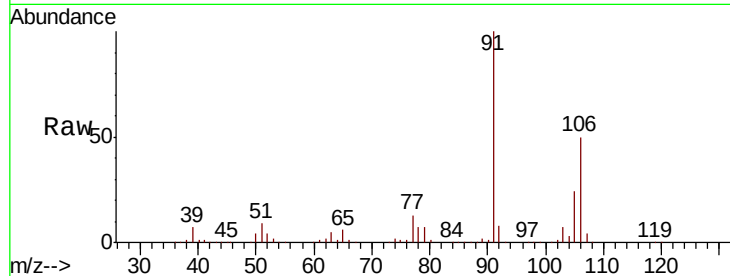
91 200.2 160.6 241.0

Manual Integrations

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#68

o-Xylene

Concen: 20.33 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051179.D

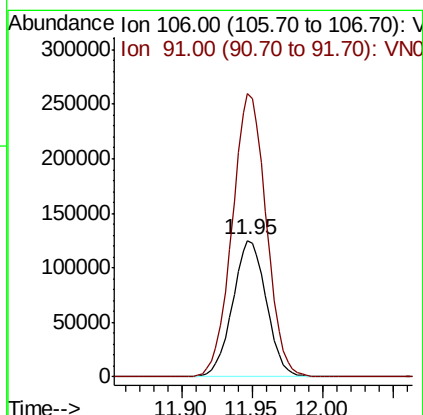
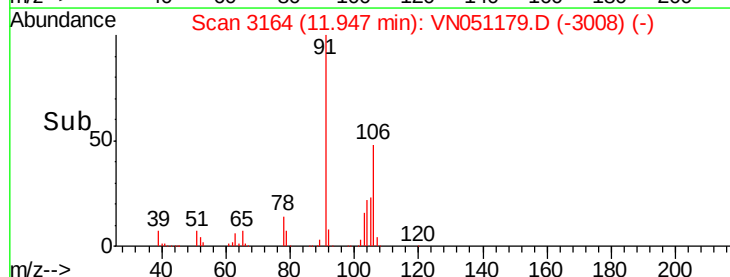
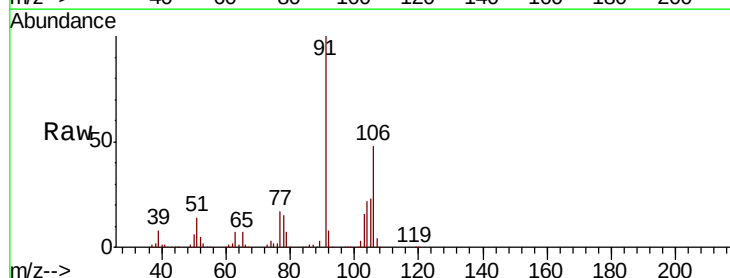
Acq: 14 Sep 2018 10:42

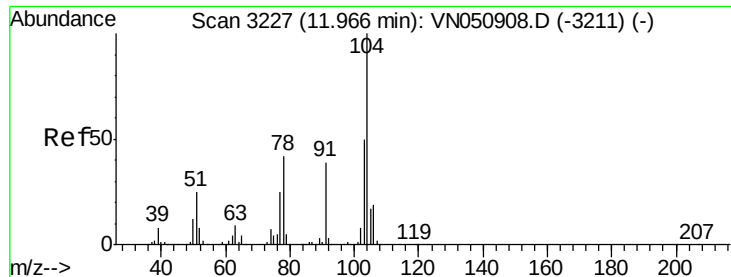
Tgt Ion:106 Resp: 209463

Ion Ratio Lower Upper

106 100

91 209.7 106.4 319.2





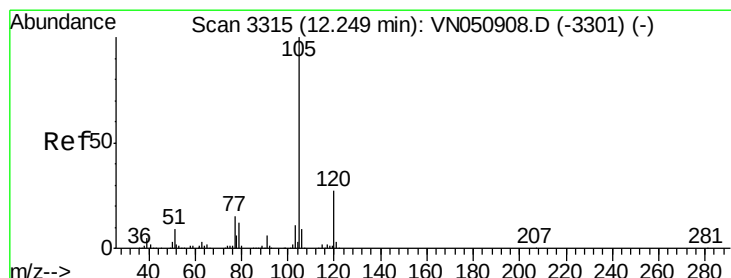
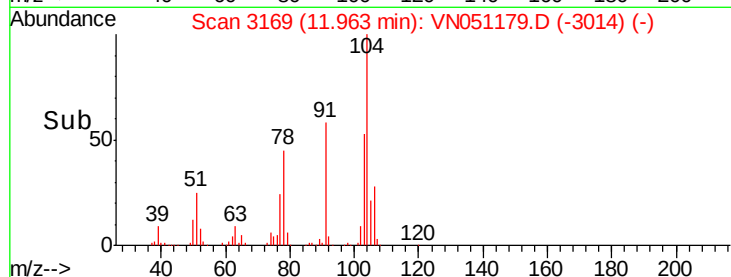
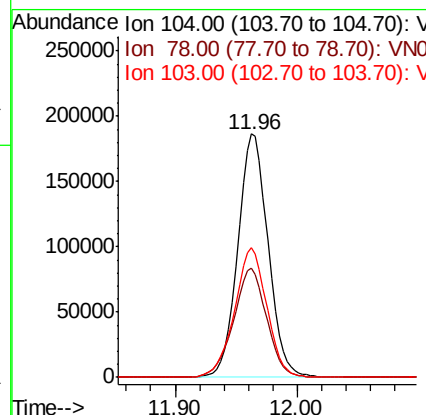
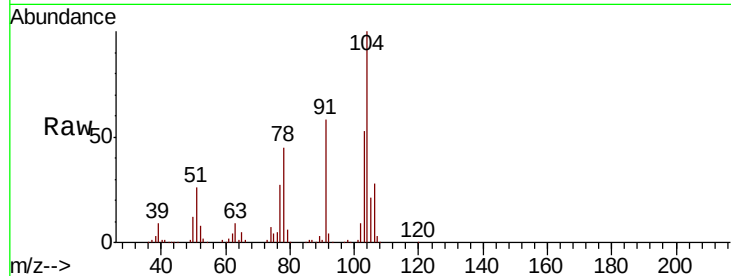
#69
Stvrene
Concen: 19.55 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion:	104	Resp:	320291
Ion Ratio	Lower	Upper	
104	100		
78	49.2	38.6	58.0
103	56.9	45.4	68.2

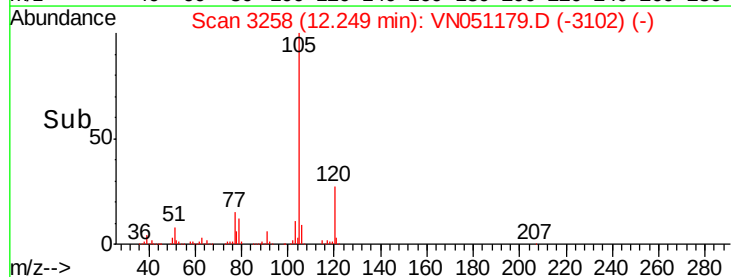
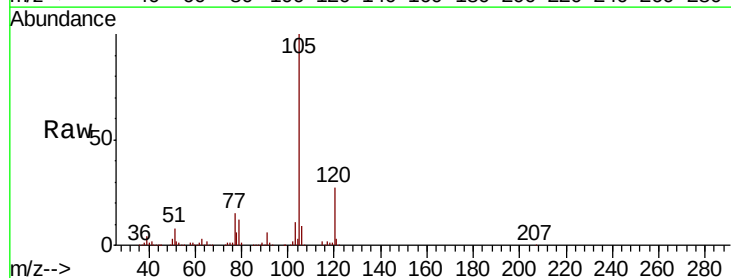
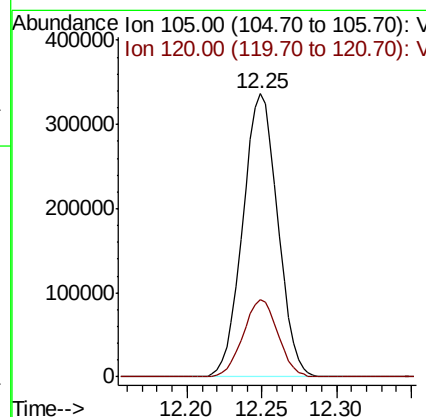
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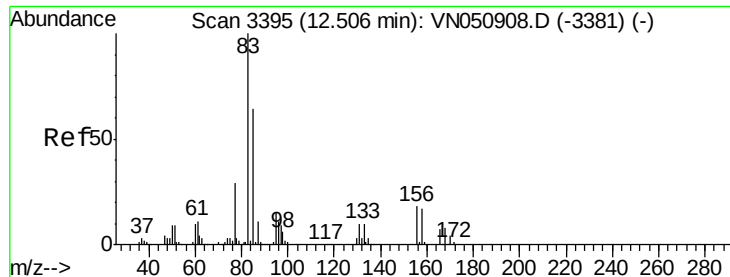
MMDadoda
9/17/2018 1:39:37 PM



#70
Isopropylbenzene
Concen: 20.01 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion:	105	Resp:	547824
Ion Ratio	Lower	Upper	
105	100		
120	27.2	18.6	34.6





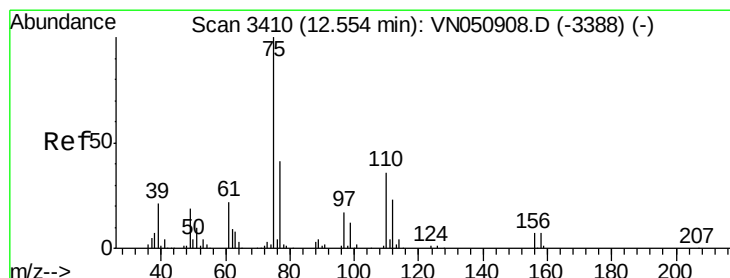
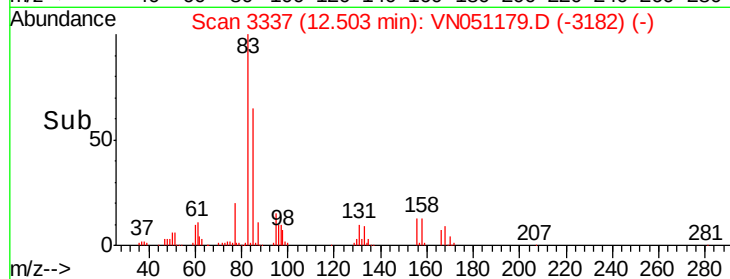
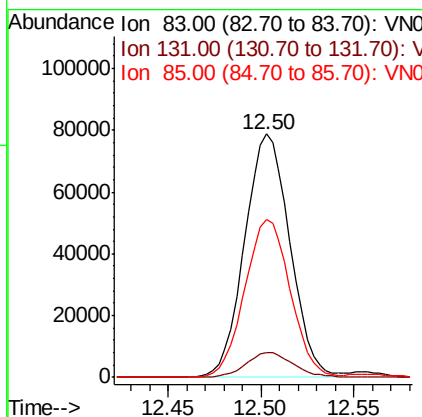
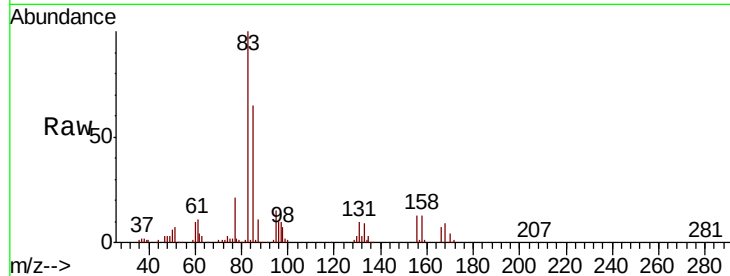
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.10 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion	83	Resp	134223
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	65.3	32.3	96.9

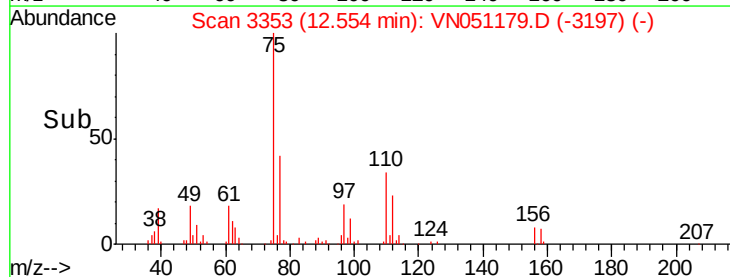
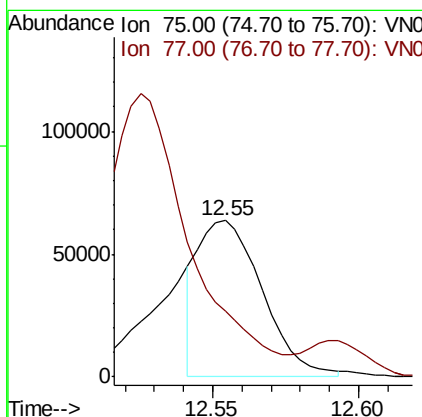
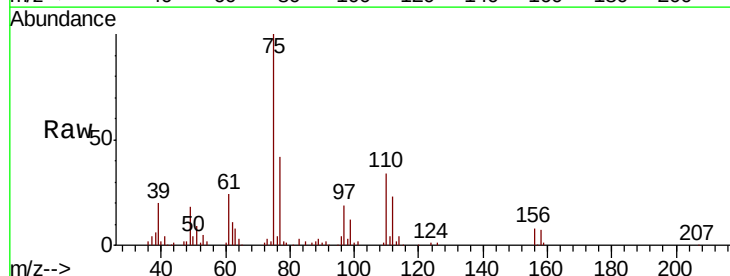
Manual Integrations
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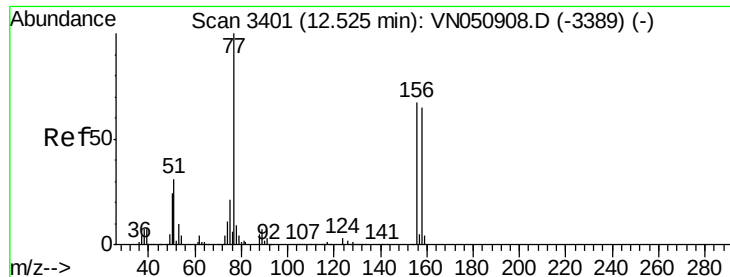
MMDadoda
 9/17/2018 1:39:37 PM



#72
 1,2,3-Trichloropropane
 Concen: 15.17 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion	75	Resp	97037
Ion Ratio	Lower	Upper	
75	100		
77	245.1	0.0	301.6





#73

Bromobenzene

Concen: 19.01 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

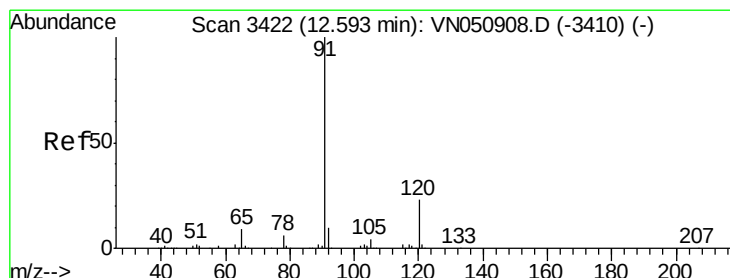
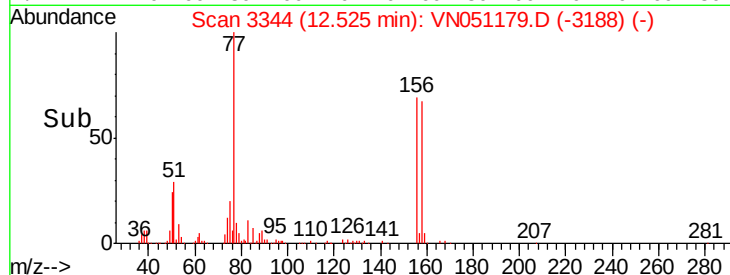
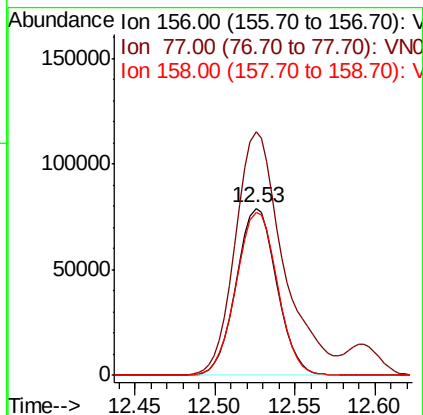
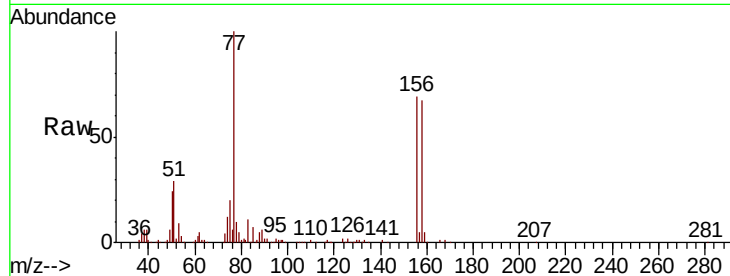
ClientSampleId :

VN0914WBS01

Tot Ion:	156	Resp:	136973
Ion Ratio	Lower	Upper	
156	100		
77	173.7	0.0	359.4
158	99.3	0.0	194.6

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9/17/2018 1:39:37 PM



#74

n-propylbenzene

Concen: 18.89 ug/l

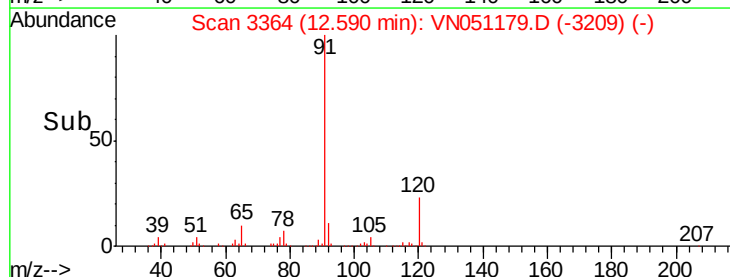
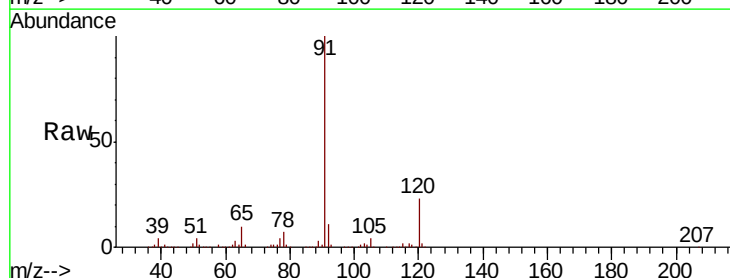
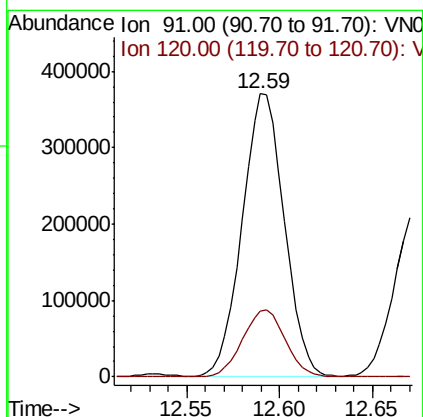
RT: 12.59 min Scan# 3364

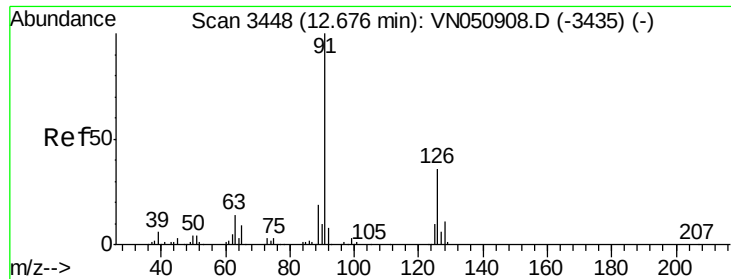
Delta R.T. -0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Tgt Ion:	91	Resp:	584899
Ion Ratio	Lower	Upper	
91	100		
120	24.0	0.0	46.0





#75

2-Chlorotoluene

Concen: 19.75 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

Tot Ion: 91 Resp: 371360

Ion Ratio Lower Upper

91 100

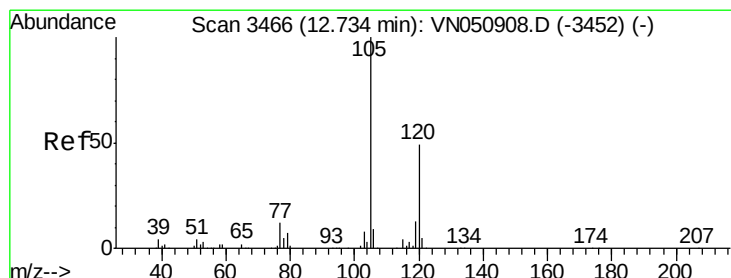
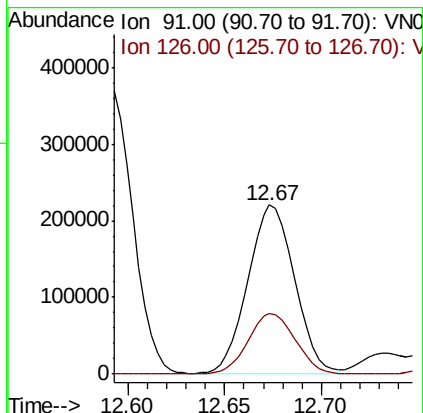
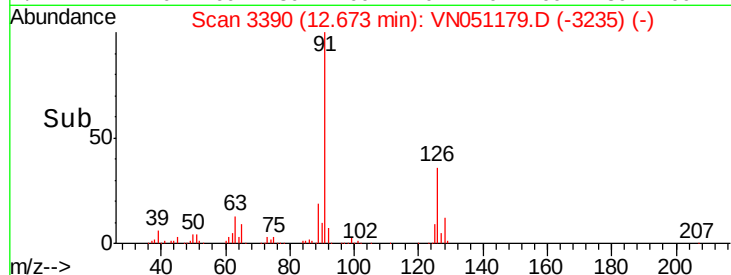
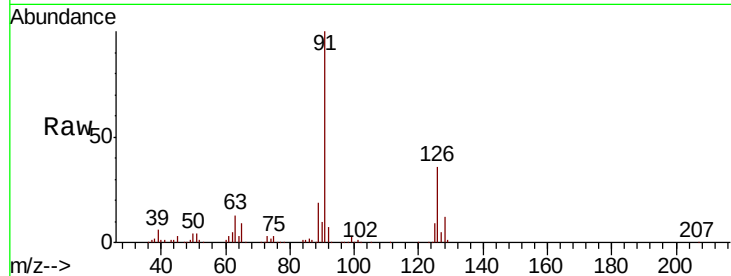
126 36.1 0.0 71.8

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.28 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051179.D

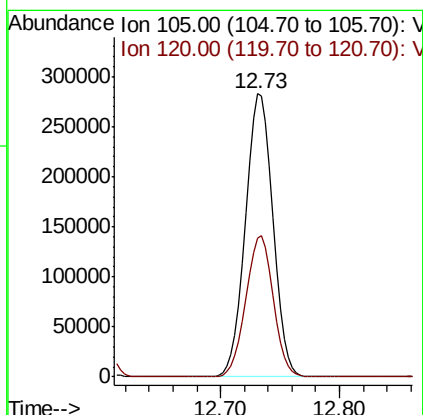
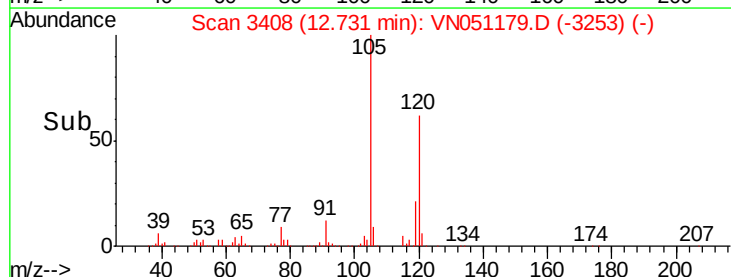
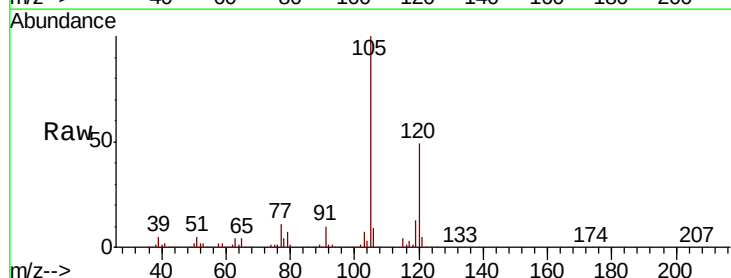
Acq: 14 Sep 2018 10:42

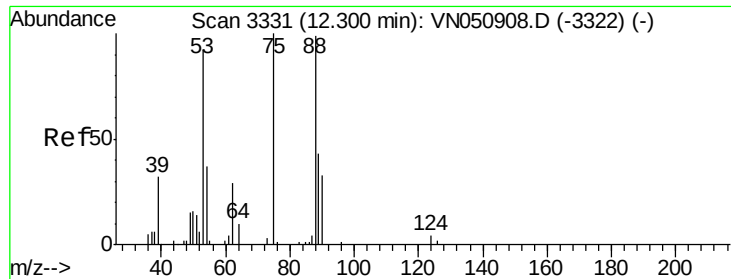
Tgt Ion: 105 Resp: 453875

Ion Ratio Lower Upper

105 100

120 49.6 0.0 99.6





#77

t-1,4-Dichloro-2-butene

Concen: 15.22 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

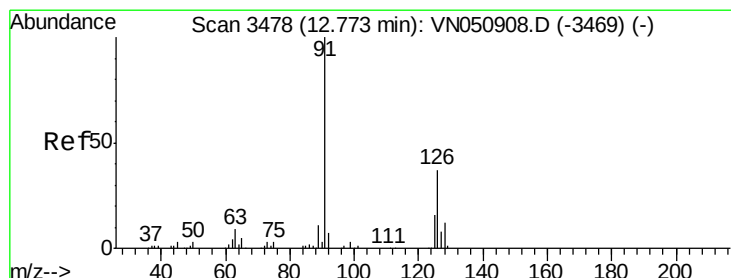
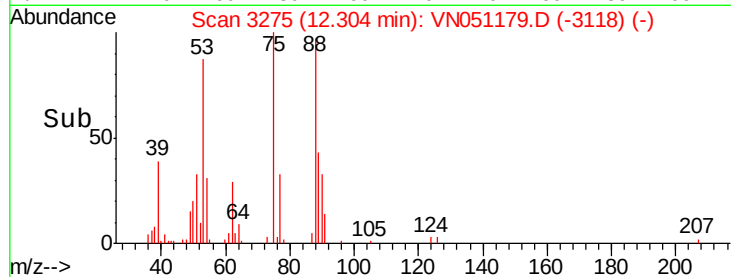
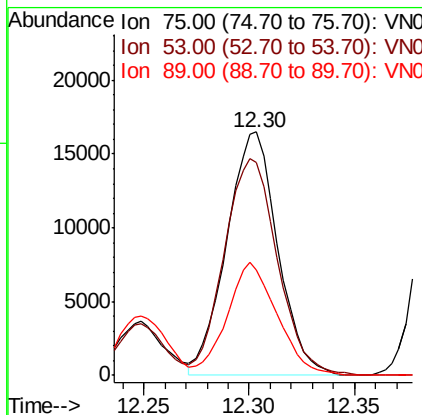
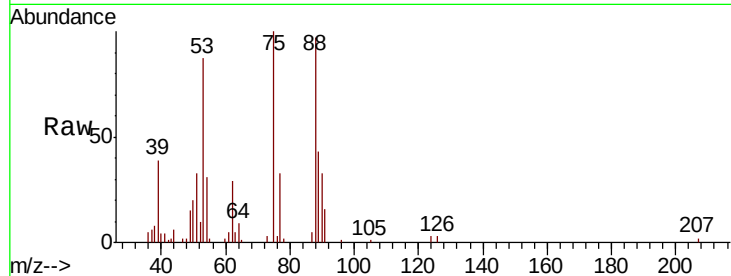
ClientSampleId :

VN0914WBS01

Tot Ion:	75	Resp:	27731
Ion	Ratio	Lower	Upper
75	100		
53	86.2	45.5	136.4
89	42.5	21.9	65.8

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#78

4-Chlorotoluene

Concen: 18.81 ug/l

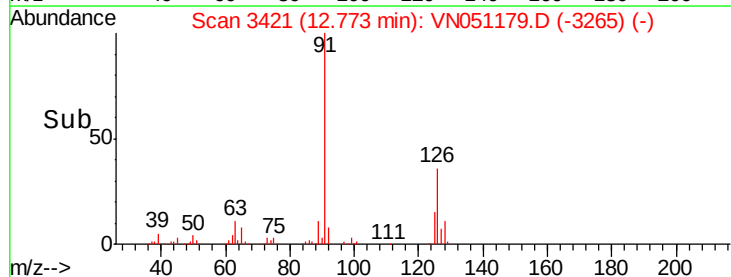
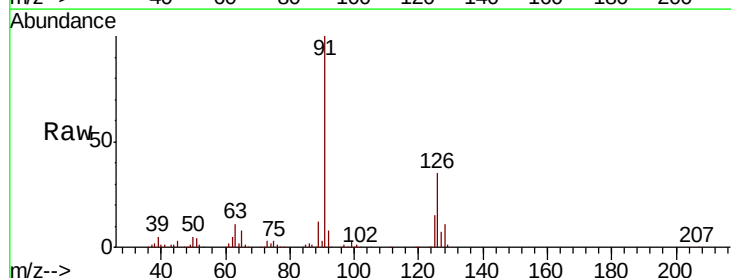
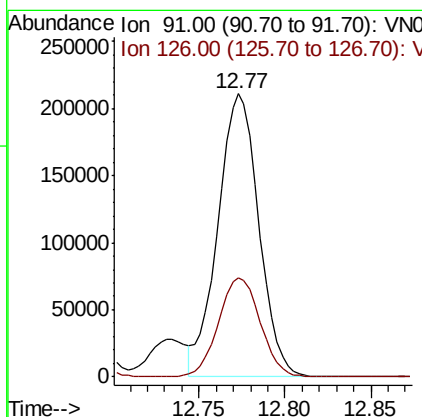
RT: 12.77 min Scan# 3421

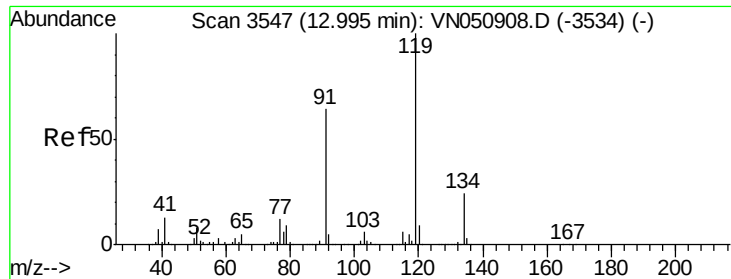
Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Tgt Ion:	91	Resp:	348417
Ion	Ratio	Lower	Upper
91	100		
126	35.8	0.0	69.8





#79

tert-butylbenzene

Concen: 19.80 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

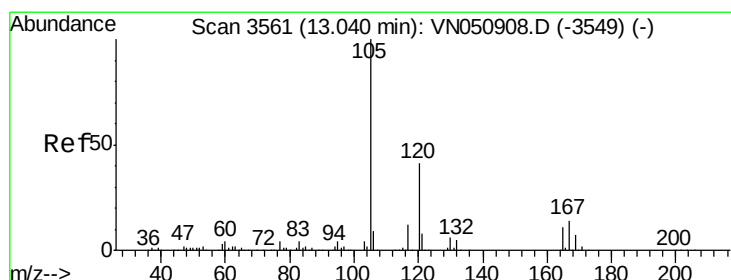
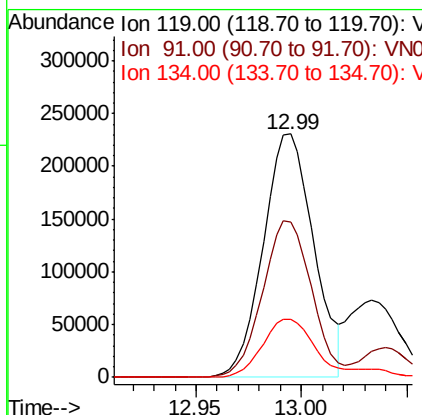
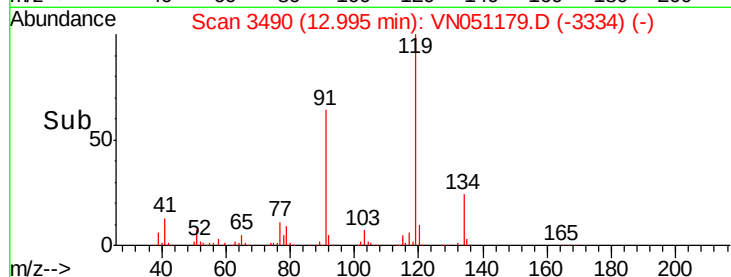
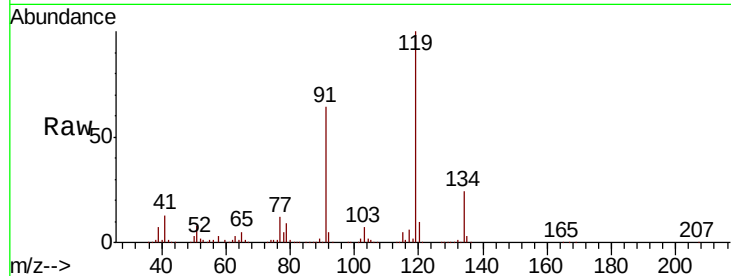
ClientSampled :

VN0914WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		384785		
91	62.4	0.0	125.6		
134	24.8	0.0	48.4		

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 19.80 ug/l

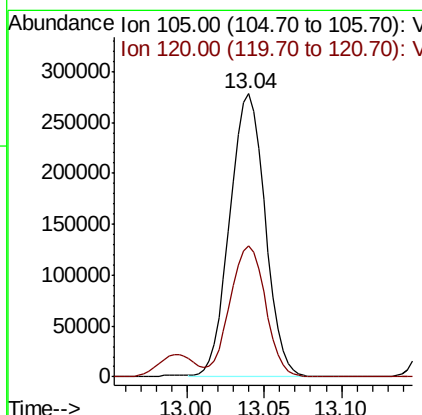
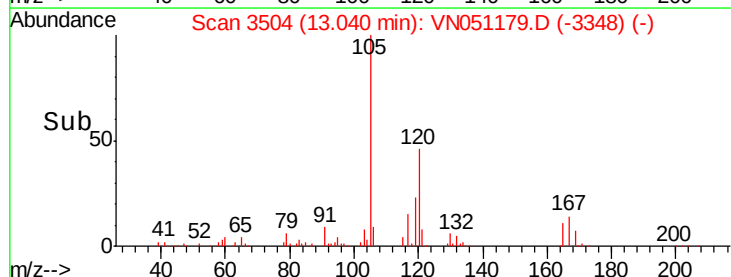
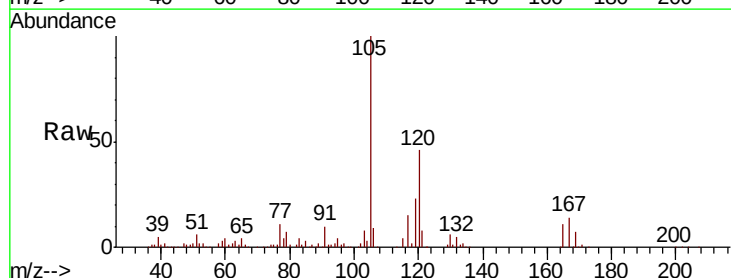
RT: 13.04 min Scan# 3504

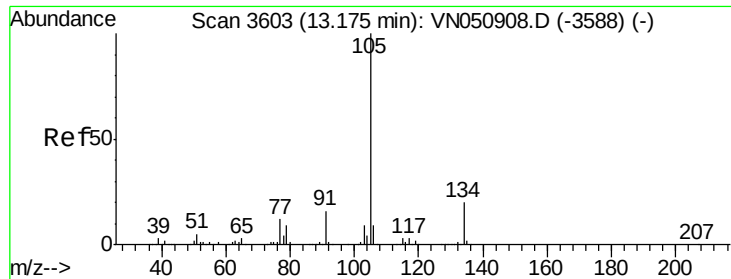
Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		441853		
120	46.7	0.0	93.6		





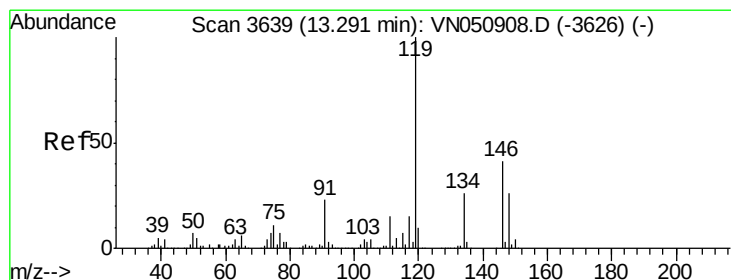
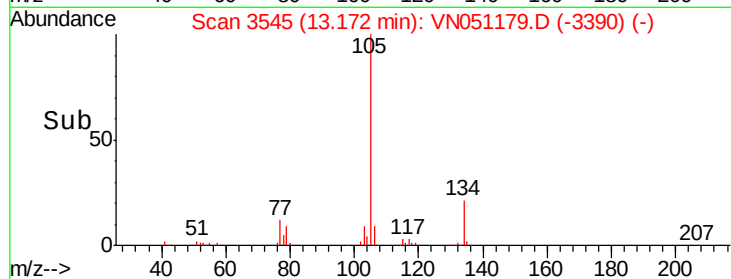
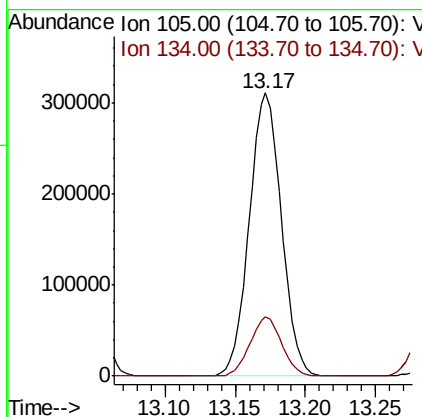
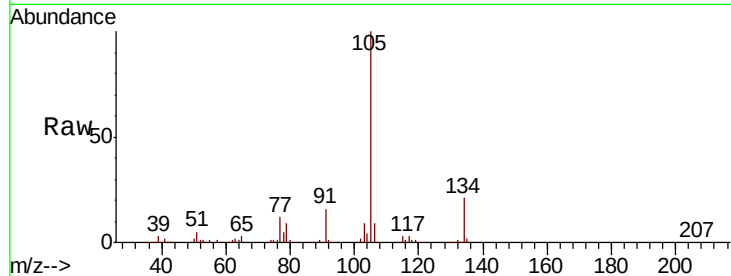
#81
 sec-Butylbenzene
 Concen: 19.51 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	496110		
134	20.6	0.0	40.8	

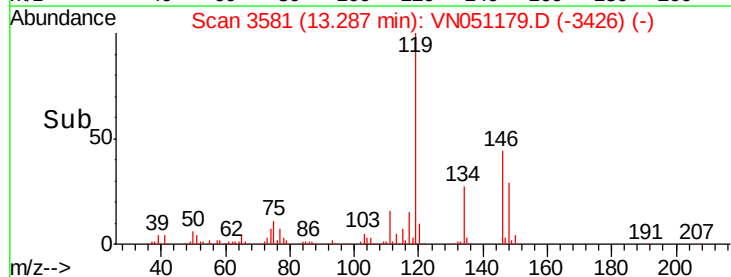
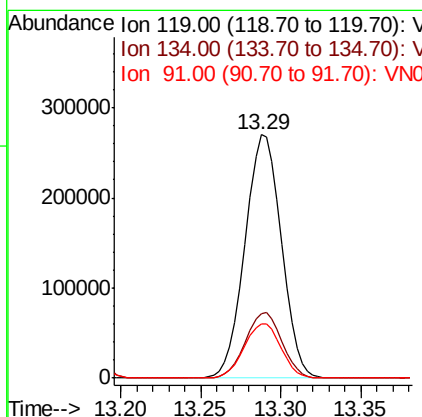
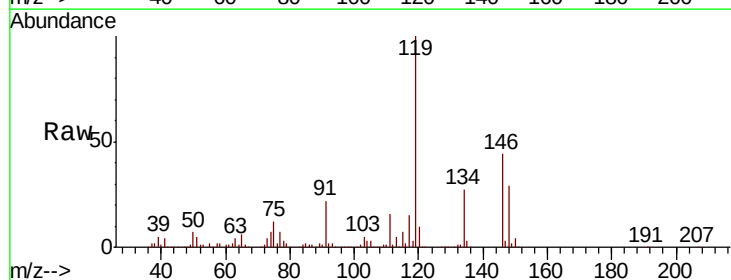
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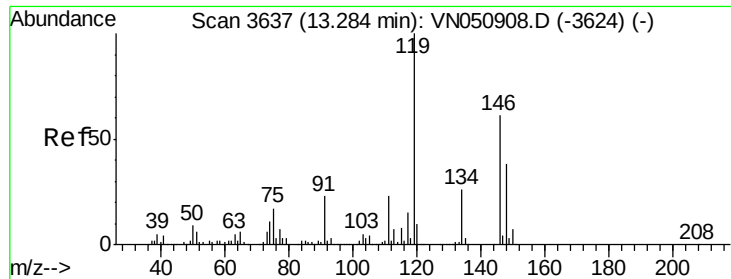
MMDadoda
 9/17/2018 1:39:37 PM



#82
 p-Isopropyltoluene
 Concen: 19.10 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	419218		
134	26.9	0.0	53.2	
91	22.3	0.0	46.0	





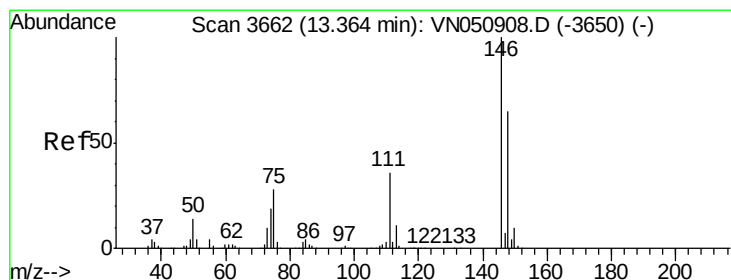
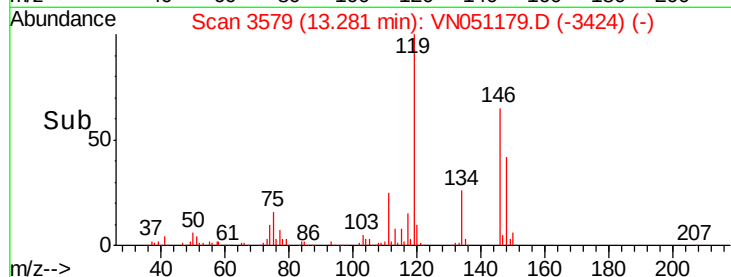
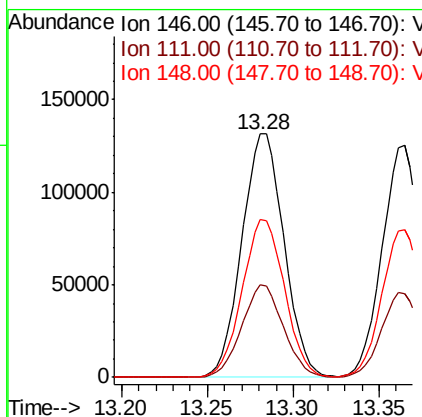
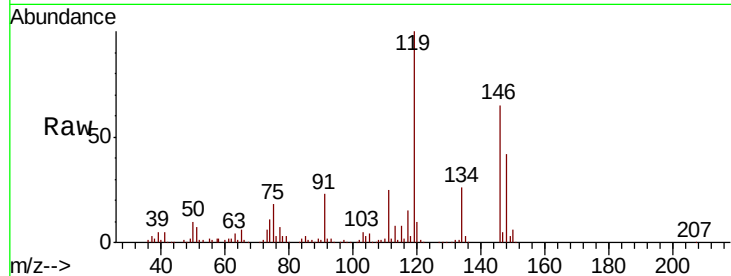
#83
 1,3-Dichlorobenzene
 Concen: 18.40 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.6
148	64.9	31.8	95.3

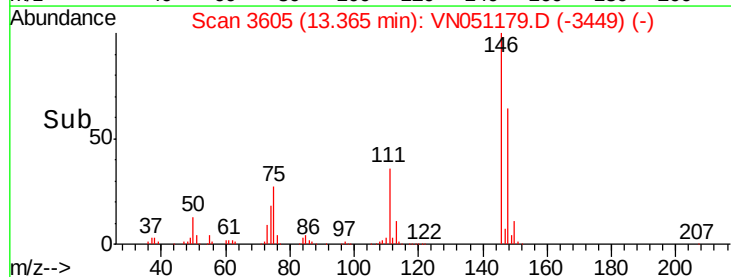
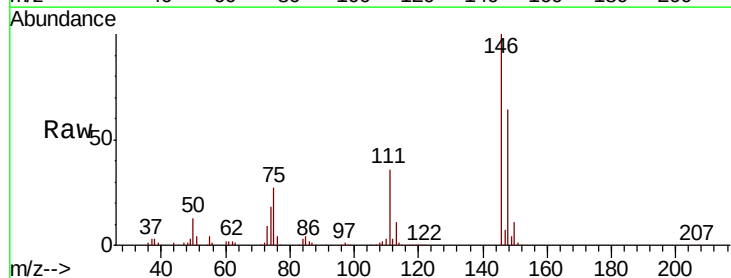
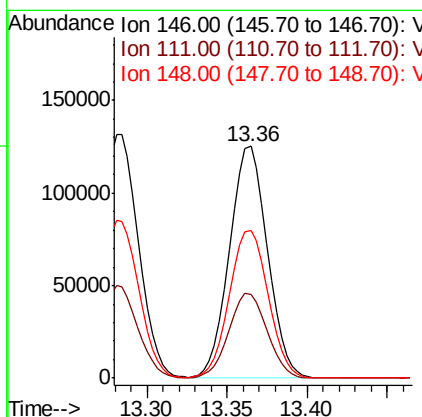
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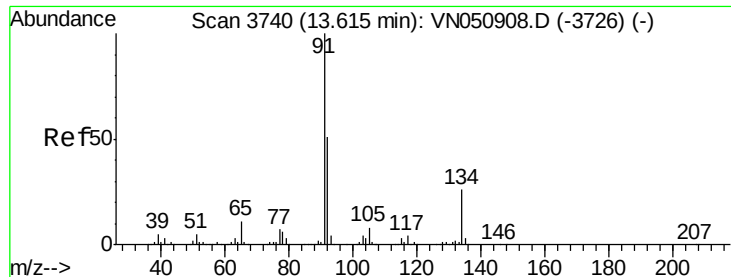
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#84
 1,4-Dichlorobenzene
 Concen: 17.57 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	17.7	53.1
148	65.2	31.6	94.8





#85

n-Butylbenzene

Concen: 16.72 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

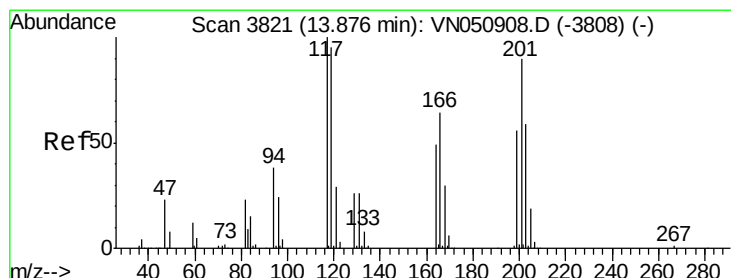
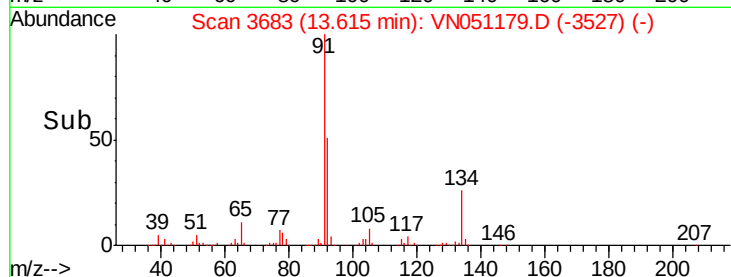
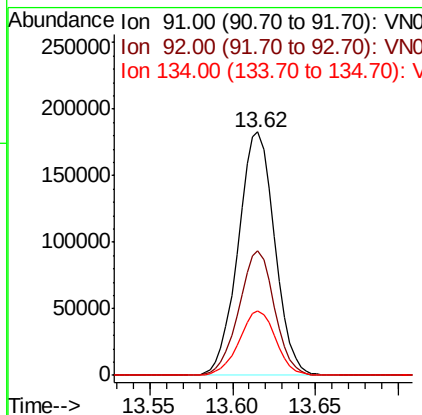
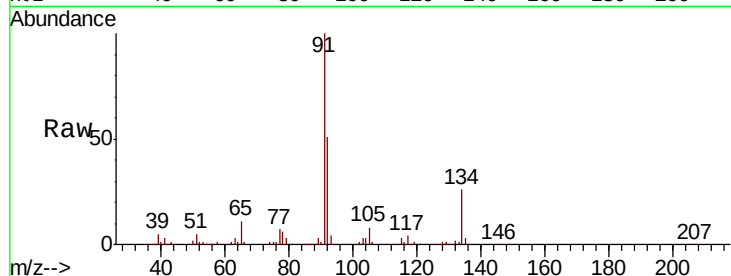
ClientSampleId :

VN0914WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	280015		
92	49.9	0.0	101.8	
134	26.4	0.0	52.2	

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#86

Hexachloroethane

Concen: 19.40 ug/l

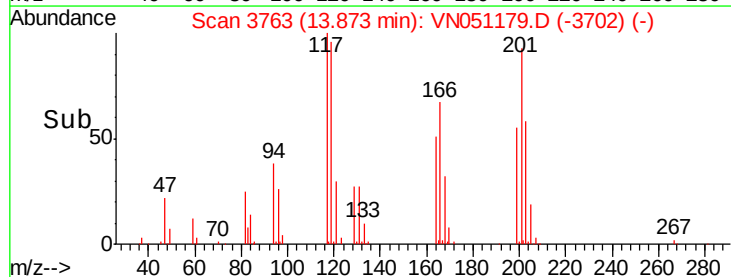
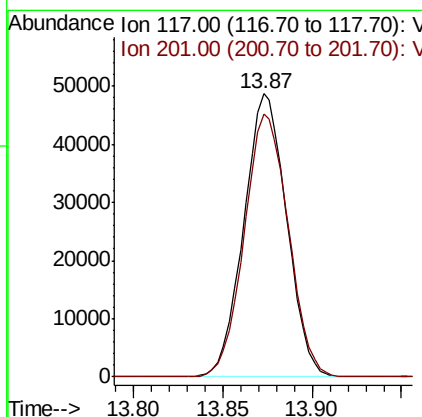
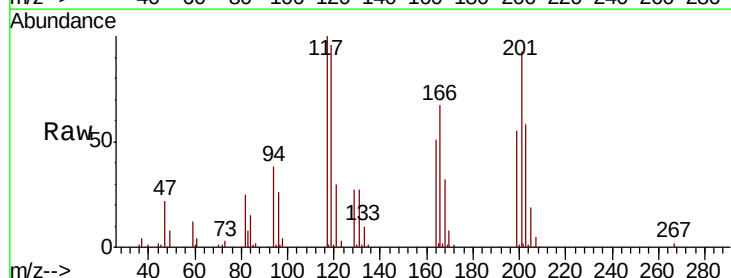
RT: 13.87 min Scan# 3763

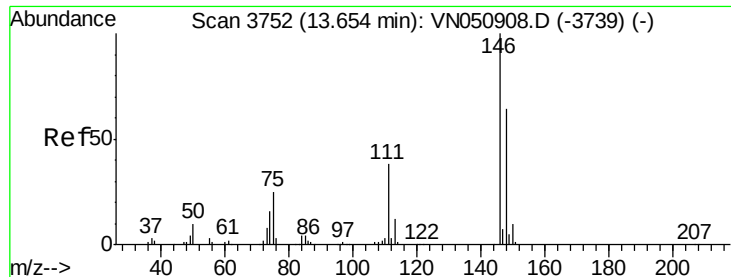
Delta R.T. -0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	81747		
201	95.4	45.8	137.4	





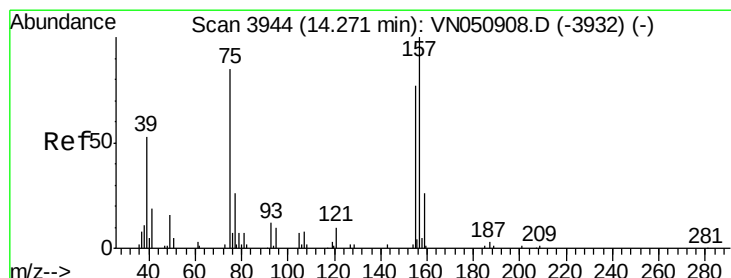
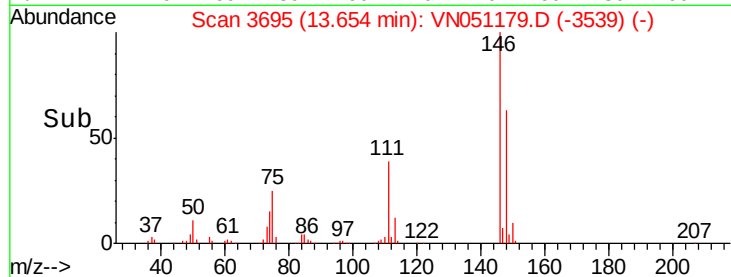
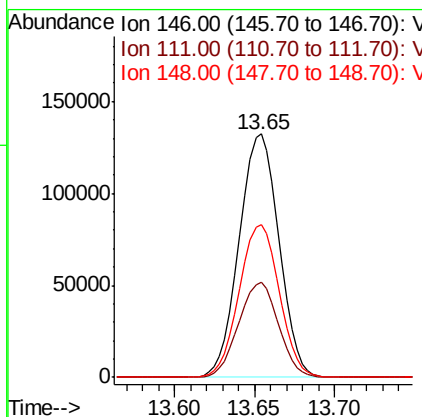
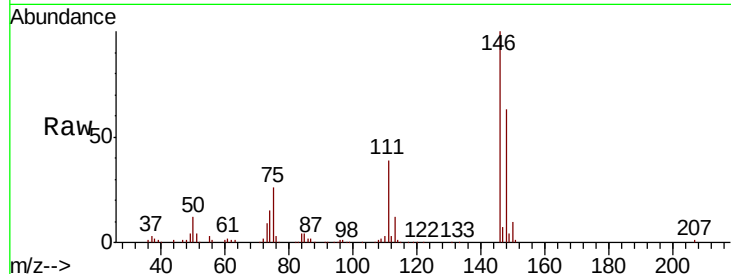
#87
 1,2-Dichlorobenzene
 Concen: 18.74 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.1	57.1
148	63.3	31.9	95.9

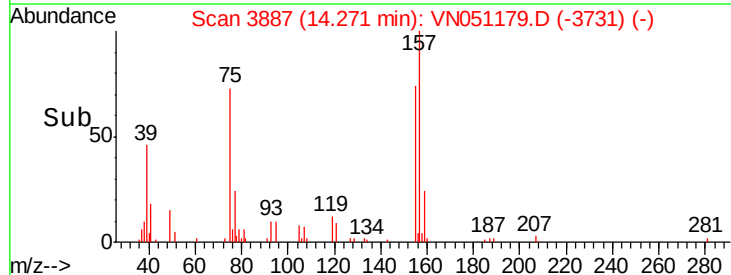
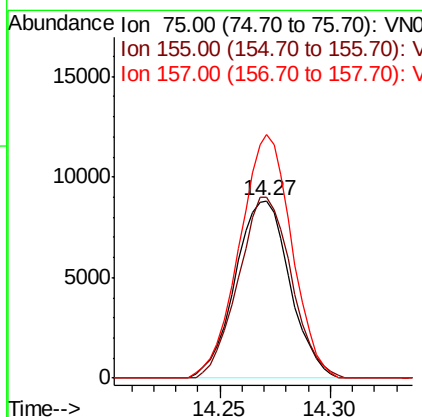
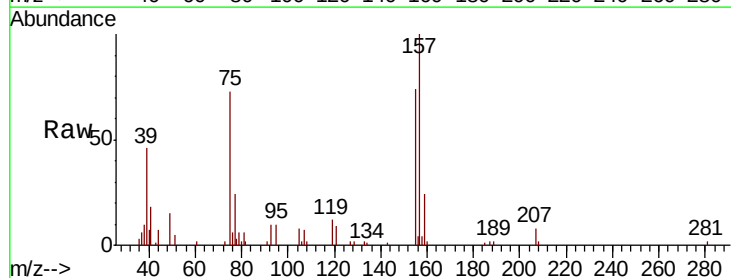
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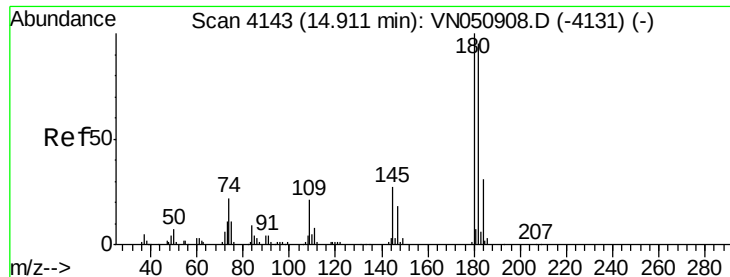
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 14.61 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	71.8	107.6
157	131.3	91.1	136.7





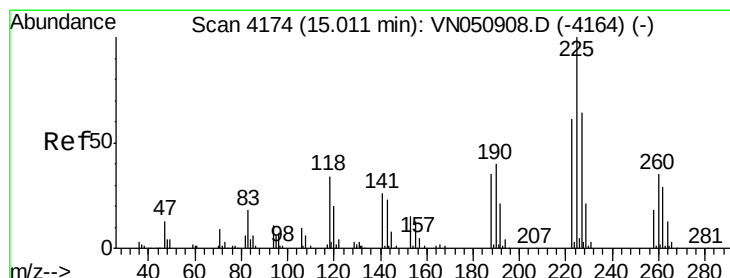
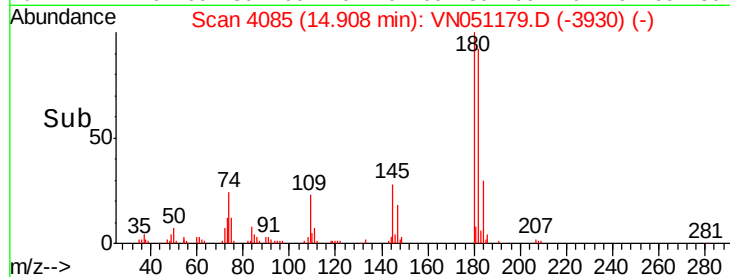
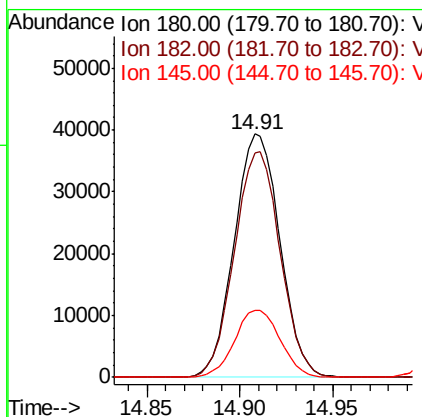
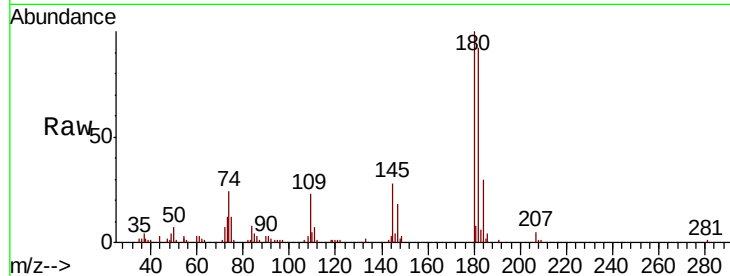
#89
 1,2,4-Trichlorobenzene
 Concen: 12.60 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Instrument :
 MSVOA_N
 ClientSampled :
 VN0914WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.2	114.4
145	27.5	22.2	33.4

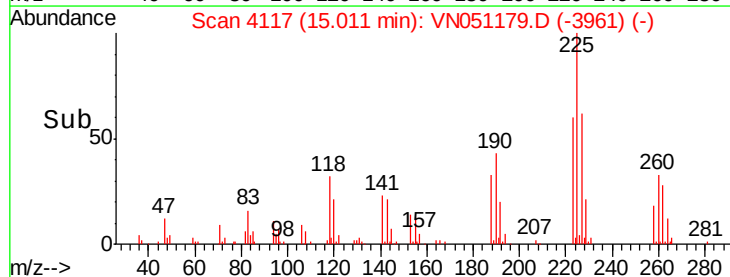
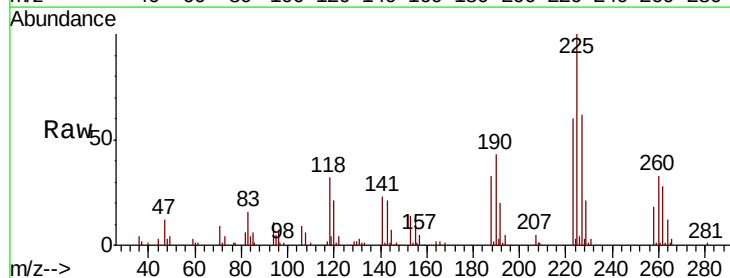
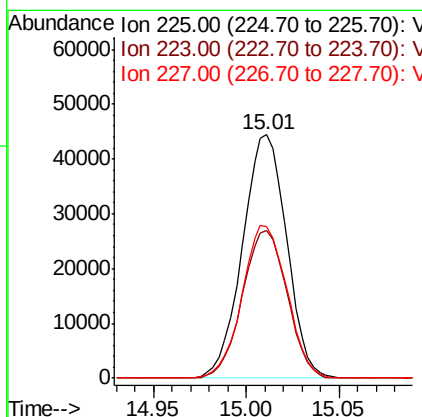
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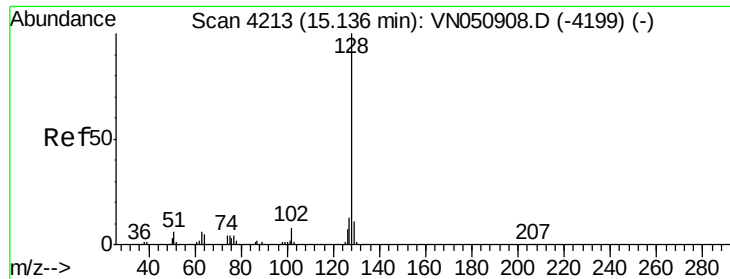
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#90
 Hexachlorobutadiene
 Concen: 20.26 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	0.0	127.8
227	63.5	0.0	128.4





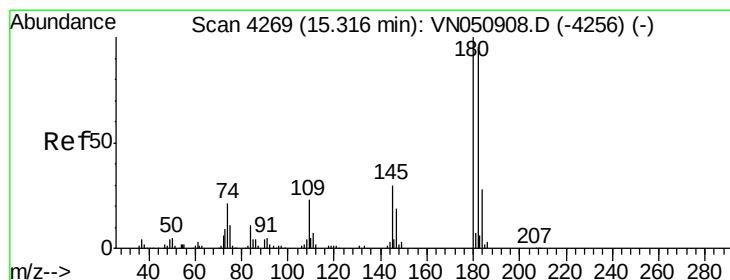
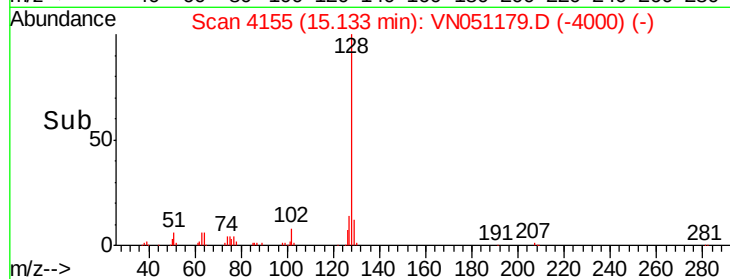
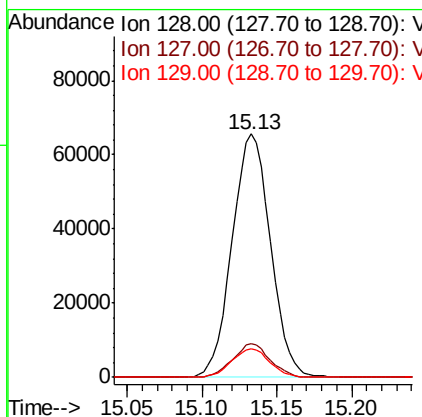
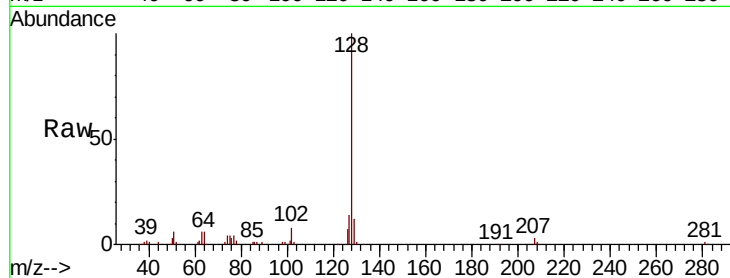
#91
Naphthalene
Concen: 15.59 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion:	128	Resp:	117050
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.6	16.0
129	11.4	8.7	13.1

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 13.76 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion:	180	Resp:	73723
Ion Ratio	Lower	Upper	
180	100		
182	96.8	0.0	192.8
145	28.8	0.0	60.0

