

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082418\
 Data File : VN050865.D
 Acq On : 24 Aug 2018 10:02
 Operator : MD\SY
 Sample : VN0824WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0824WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/25/2018 1:18:26 PM

Quant Time: Aug 24 14:17:57 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	114958	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	611130	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	541207	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	220720	28.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.17%
60) 4-Bromofluorobenzene	12.40	95	244123	29.36	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.87%
63) Toluene-d8	10.09	98	779634	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	181357	22.893 ug/l	98
3) Chloromethane	2.06	50	199806	24.463 ug/l	100
4) Vinyl Chloride	2.18	62	193801	22.287 ug/l	97
5) Bromomethane	2.57	94	117437	22.154 ug/l	96
6) Chloroethane	2.70	64	111971	21.772 ug/l	97
7) Trichlorofluoromethane	3.01	101	253574	22.316 ug/l	100
8) Diethyl Ether	3.41	74	84183	22.086 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	159003	23.002 ug/l	100
10) 1,1-Dichloroethene	3.73	96	139648	22.784 ug/l	94
11) Methyl Iodide	3.95	142	113335	12.567 ug/l	99
12) Methyl Acetate	4.33	43	141996	20.224 ug/l	94
13) Acrolein	3.61	56	18703	43.104 ug/l #	57
14) Acrylonitrile	4.99	53	241792	103.206 ug/l	99
15) Acetone	3.82	58	63823	102.505 ug/l	82
16) Carbon Disulfide	4.05	76	425215	22.670 ug/l	100
17) Allyl chloride	4.32	41	211405	21.840 ug/l	95
18) Methylene Chloride	4.55	84	164641	23.278 ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	149220	22.740 ug/l	95
20) Diisopropyl ether	5.96	45	459566	23.155 ug/l	99
21) 1,1-Dichloroethane	5.85	63	278189	22.291 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	163647	22.488 ug/l	99
23) tert-Butyl Alcohol	4.79	59	46856	89.505 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	360556	21.570 ug/l	98
25) Chloroform	7.37	83	279264	22.105 ug/l	97
26) Cyclohexane	7.65	56	231542	23.348 ug/l #	99
29) 1,1-Dichloropropene	7.79	75	207923	21.923 ug/l	100
30) 2-Butanone	6.84	43	264494	88.871 ug/l	96
31) 2,2-Dichloropropane	6.83	77	221075	21.088 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	235322	21.080 ug/l	99
33) Carbon Tetrachloride	7.77	117	211893	21.293 ug/l	99
34) Benzene	8.04	78	644747	22.384 ug/l	97
35) Methacrylonitrile	7.18	41	52571	15.514 ug/l	98
36) 1,2-Dichloroethane	8.13	62	190387	20.131 ug/l	99
37) Trichloroethene	8.84	130	166473	22.037 ug/l	99
38) Methylcyclohexane	9.08	83	218354	21.839 ug/l	99
39) 1,2-Dichloropropane	9.12	63	168326	22.184 ug/l	98
40) Dibromomethane	9.21	93	98655	21.037 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	209934	21.222	ug/l	99
42) Vinyl Acetate	5.90	43	1403388	100.206	ug/l	100
43) Ethyl Acetate	6.93	43	119130	19.169	ug/l	94
45) 1,4-Dioxane	9.20	88	29474	389.061	ug/l	93
46) Methyl methacrylate	9.20	41	102587	18.382	ug/l	97
47) n-amyl Acetate	12.07	43	157370	17.567	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	199449	21.153	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	237931	21.476	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	141060	20.956	ug/l	97
51) Ethyl methacrylate	10.43	69	156306	19.131	ug/l	96
52) 1,3-Dichloropropane	10.71	76	233694	21.142	ug/l	100
53) Dibromochloromethane	10.90	129	156473	20.483	ug/l	97
54) 1,2-Dibromoethane	11.01	107	136744	20.742	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	325689	88.078	ug/l	99
56) Bromoform	12.13	173	107021	19.840	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	598252	94.999	ug/l	98
59) 2-Hexanone	10.75	43	383233	89.202	ug/l	99
61) Tetrachloroethene	10.63	164	151129	20.616	ug/l	98
62) Toluene	10.16	91	683412	22.133	ug/l	99
64) Chlorobenzene	11.43	112	418683	22.360	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	157407	21.553	ug/l	99
66) Ethyl Benzene	11.51	91	686783	21.764	ug/l	100
67) m/p-Xylenes	11.62	106	544158	44.810	ug/l	98
68) o-Xylene	11.95	106	258812	22.400	ug/l	99
69) Styrene	11.96	104	401382	21.670	ug/l	99
70) Isopropylbenzene	12.25	105	677683	22.023	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	176406	20.880	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	142594m	19.761	ug/l	
73) Bromobenzene	12.53	156	178557	21.783	ug/l	97
74) n-propylbenzene	12.59	91	757195	21.128	ug/l	99
75) 2-Chlorotoluene	12.67	91	469903	21.830	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	570993	22.592	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	40587	17.204	ug/l	100
78) 4-Chlorotoluene	12.77	91	454739	21.318	ug/l	98
79) tert-butylbenzene	12.99	119	472025	21.845	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	566751	22.133	ug/l	99
81) sec-Butylbenzene	13.17	105	624577	21.278	ug/l	100
82) p-Isopropyltoluene	13.29	119	540394	21.576	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	291771	20.442	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	270979	20.090	ug/l	99
85) n-Butylbenzene	13.62	91	386564	19.018	ug/l	99
86) Hexachloroethane	13.87	117	101789	20.337	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	288833	20.702	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22591	17.164	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	106510	15.983	ug/l	99
90) Hexachlorobutadiene	15.01	225	88748	20.199	ug/l	98
91) Naphthalene	15.13	128	200237	17.227	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	112445	16.592	ug/l	99

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MSVOA_N
ClientSampleId :
VN0824WBSD01

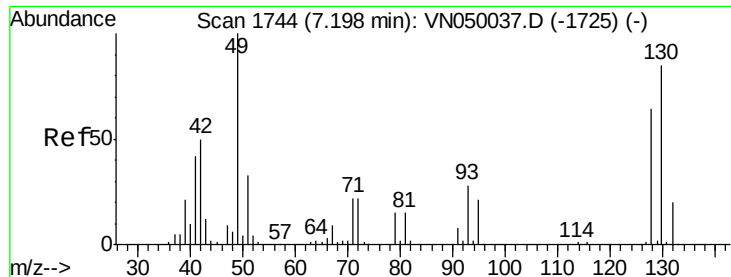
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Instrument :

MSVOA_N

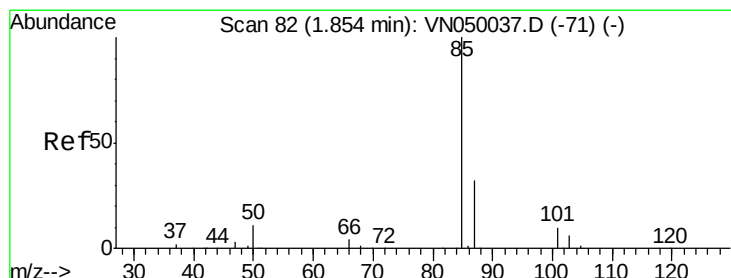
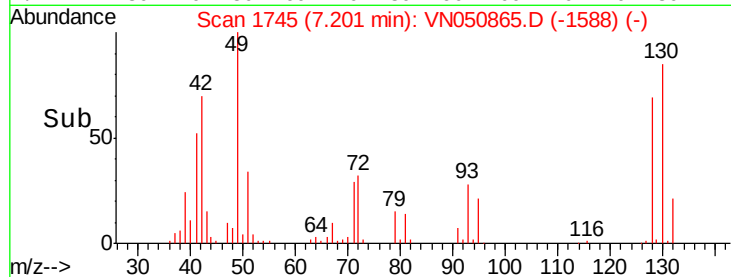
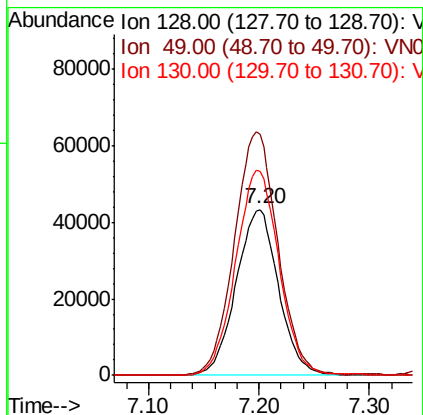
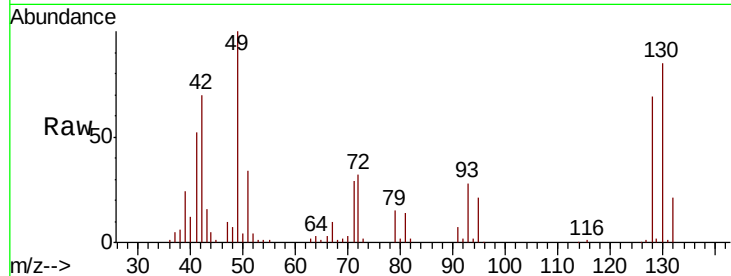
ClientSampleId :

VN0824WBSD01

Tgt Ion:	128	Resp:	114958
Ion	Ratio	Lower	Upper
128	100		
49	151.0	0.0	378.3
130	126.7	0.0	320.7

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#2

Dichlorodifluoromethane

Concen: 22.893 ug/l

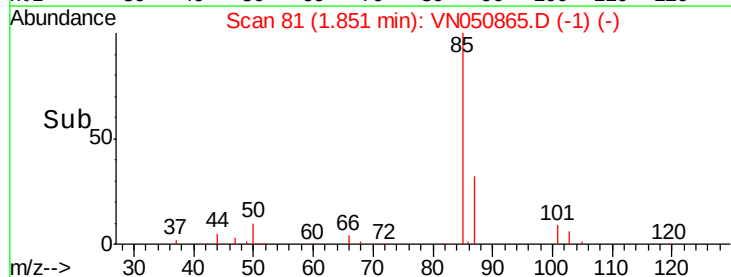
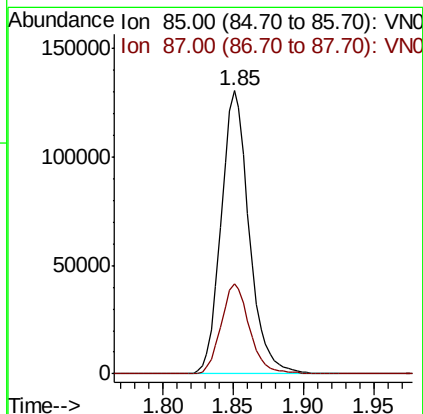
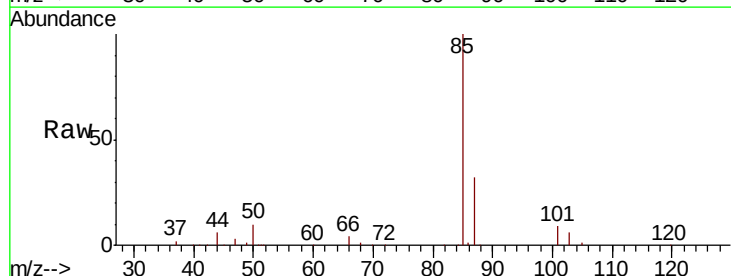
RT: 1.85 min Scan# 81

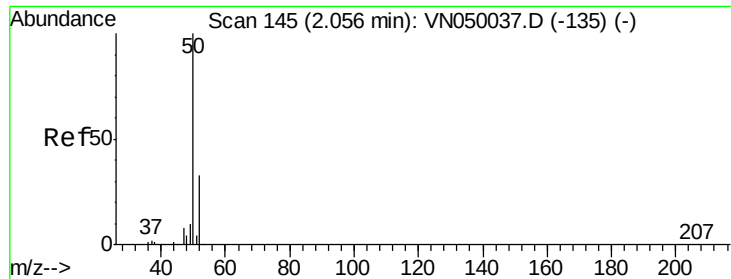
Delta R.T. -0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Tgt Ion:	85	Resp:	181357
Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.4	46.4





#3

Chloromethane

Concen: 24.463 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tgt Ion: 50 Resp: 199806

Ion Ratio Lower Upper

50 100

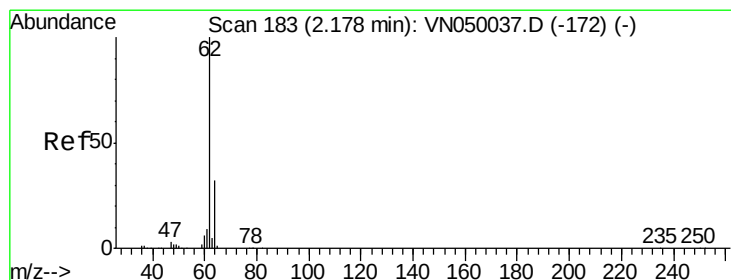
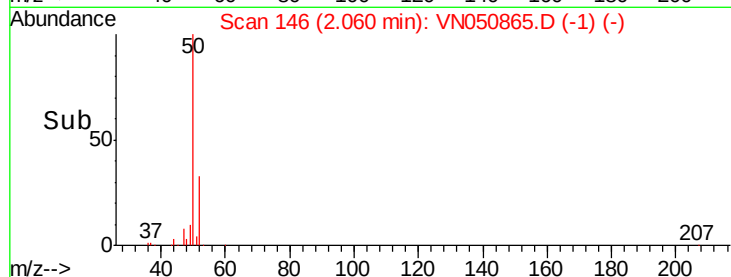
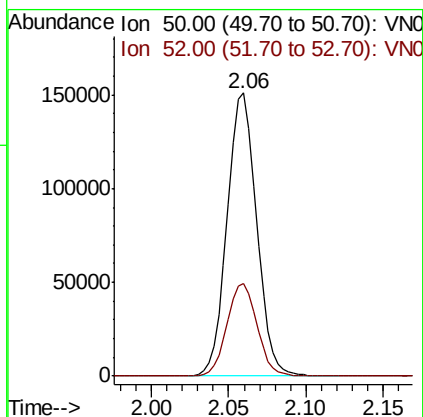
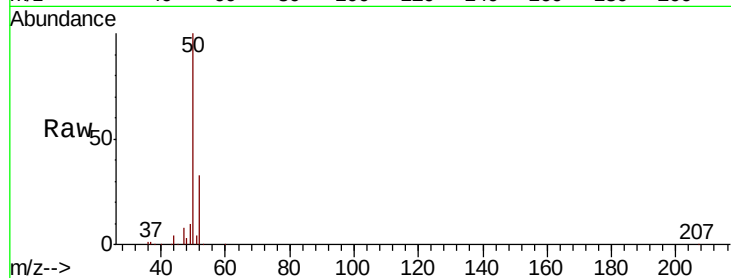
52 32.6 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.287 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050865.D

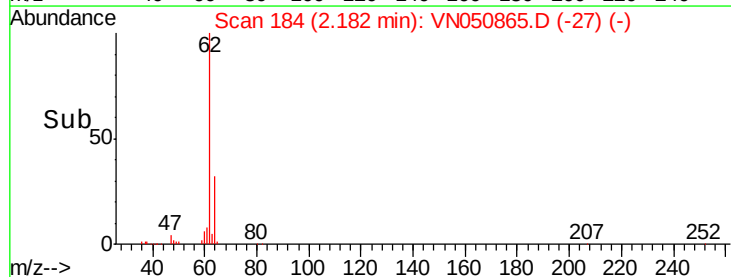
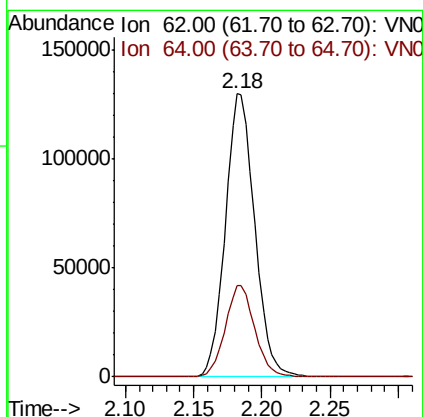
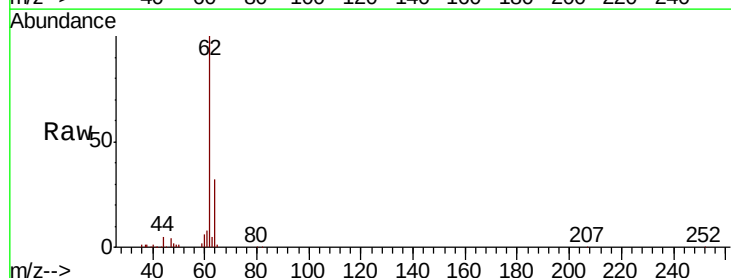
Acq: 24 Aug 2018 10:02

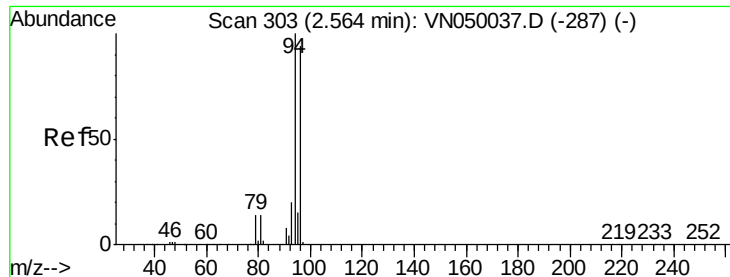
Tgt Ion: 62 Resp: 193801

Ion Ratio Lower Upper

62 100

64 32.3 24.4 36.6





#5

Bromomethane

Concen: 22.154 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tgt Ion: 94 Resp: 117437

Ion Ratio Lower Upper

94 100

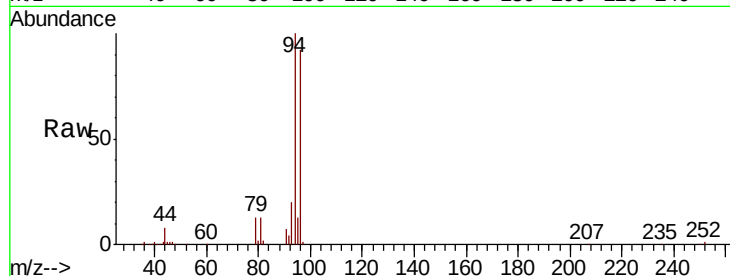
96 91.4 75.9 113.9

Manual Integrations

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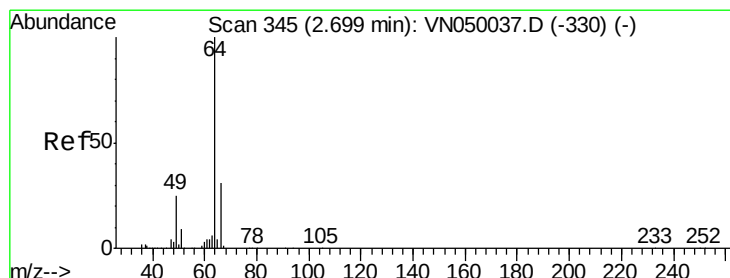
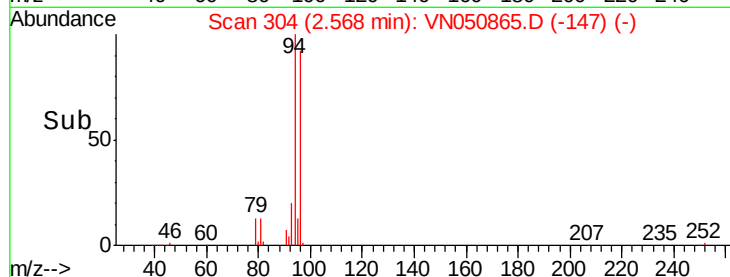
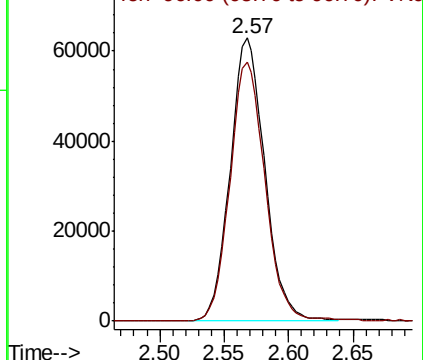
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.772 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050865.D

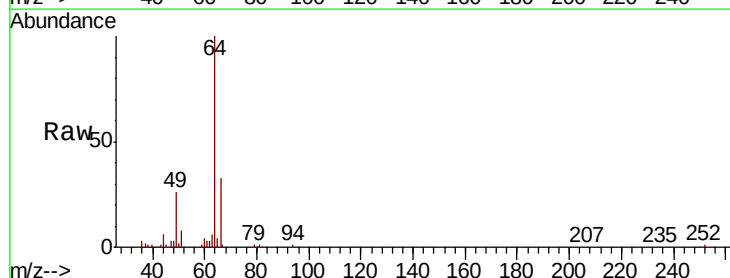
Acq: 24 Aug 2018 10:02

Tgt Ion: 64 Resp: 111971

Ion Ratio Lower Upper

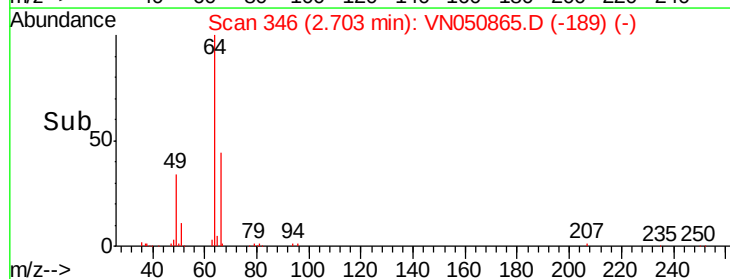
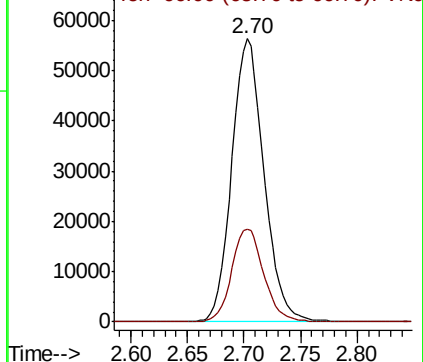
64 100

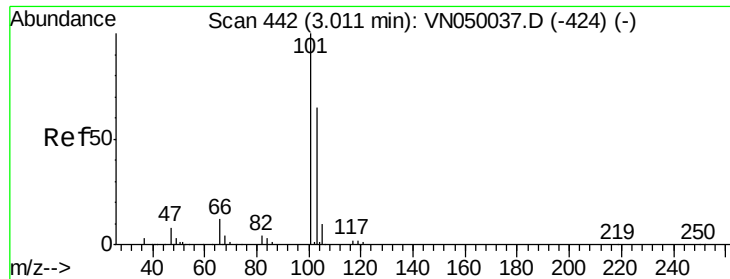
66 32.6 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

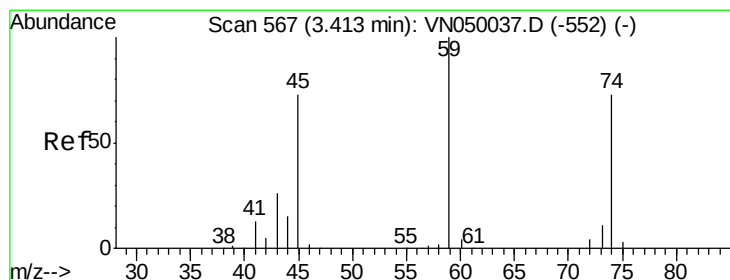
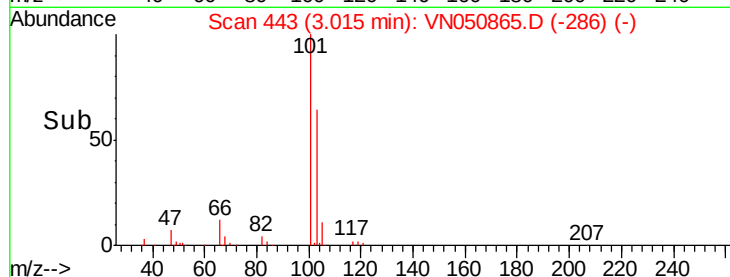
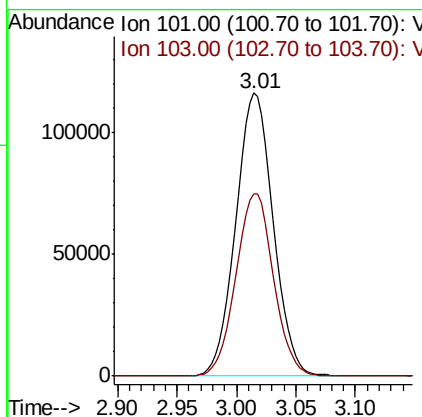
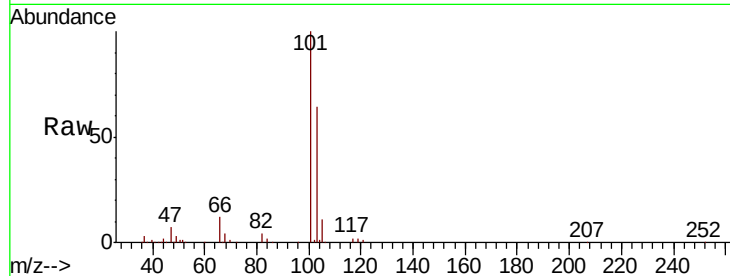
Trichlorofluoromethane
 Concen: 22.316 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Instrument :
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 VN0824WBSD01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.5	77.3

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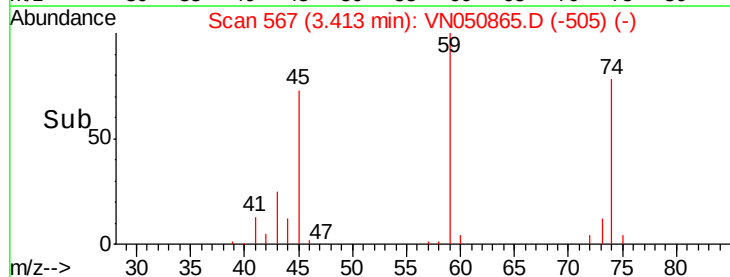
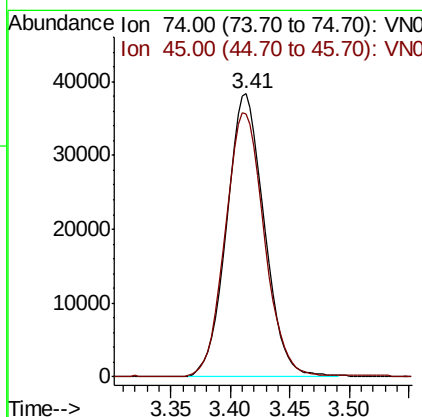
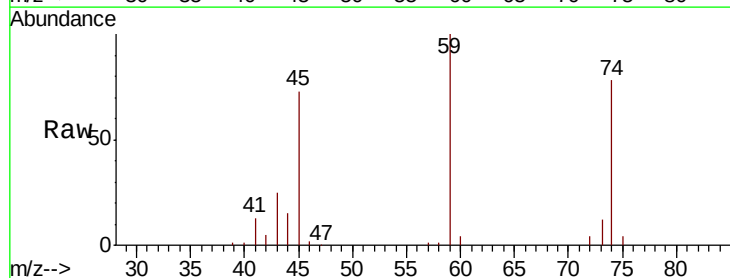
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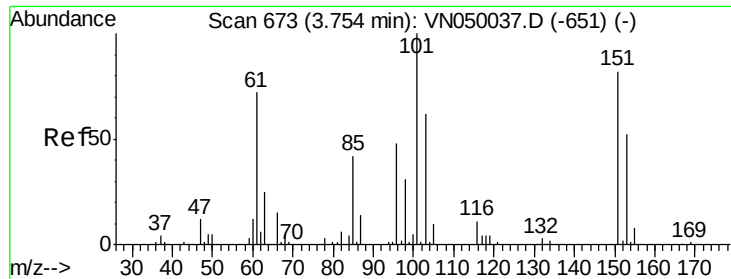


#8

Diethyl Ether
 Concen: 22.086 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	18.7	167.9





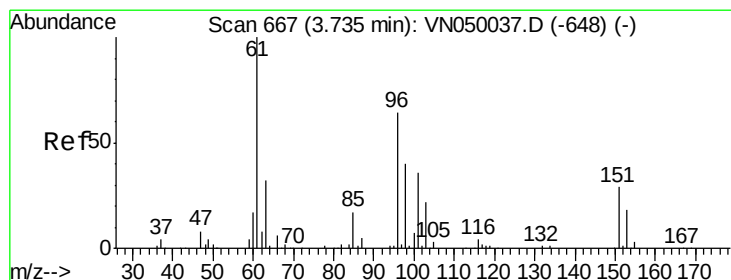
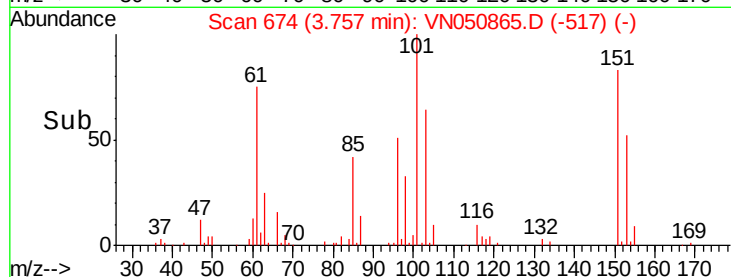
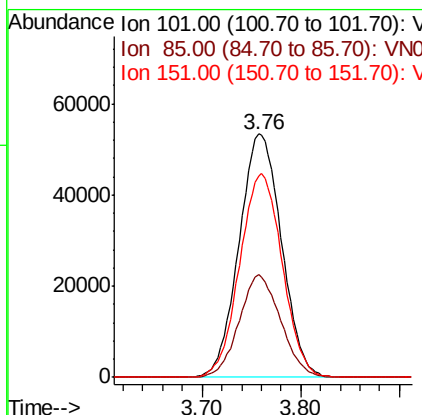
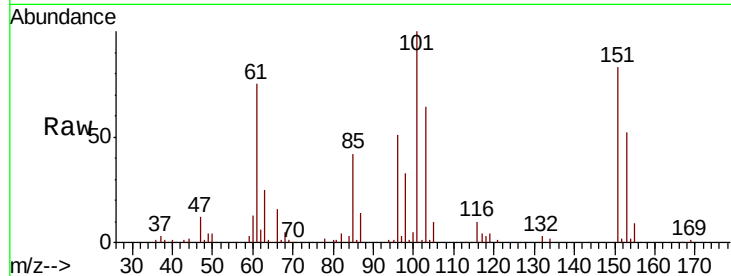
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 23.002 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	159003		
85	41.2	0.0	83.0	
151	83.8	0.0	166.8	

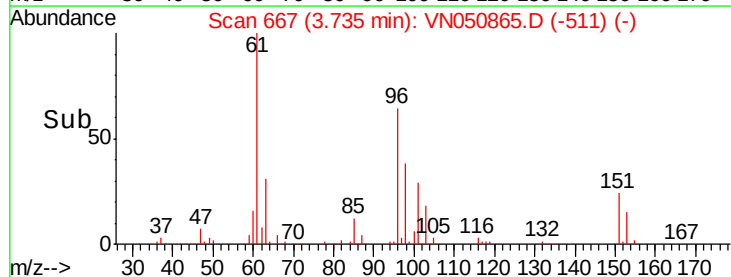
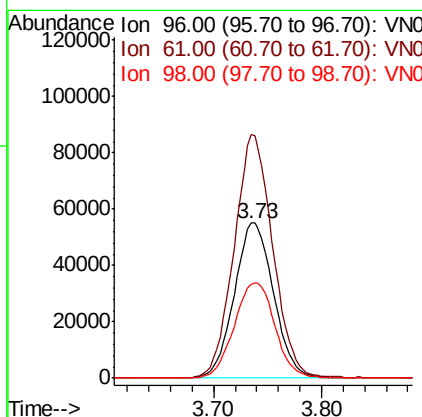
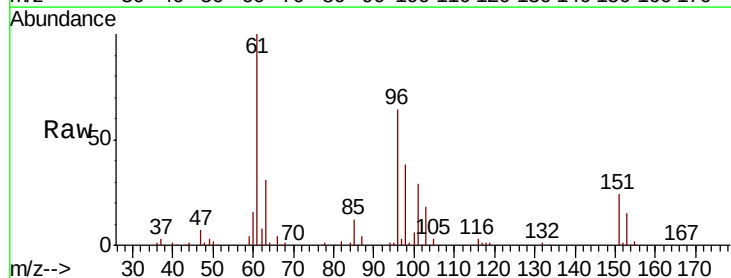
Manual Integrations
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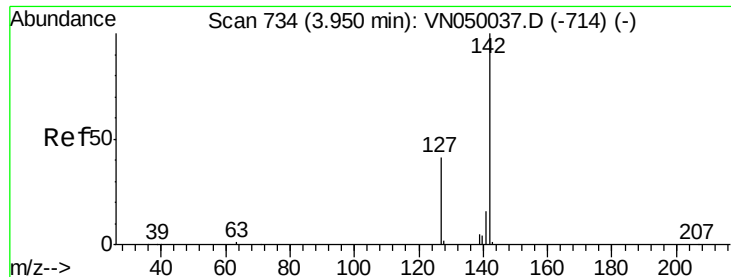
MMDadoda
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#10
 1,1-Dichloroethene
 Concen: 22.784 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	139648		
61	157.0	130.6	195.8	
98	60.3	53.5	80.3	





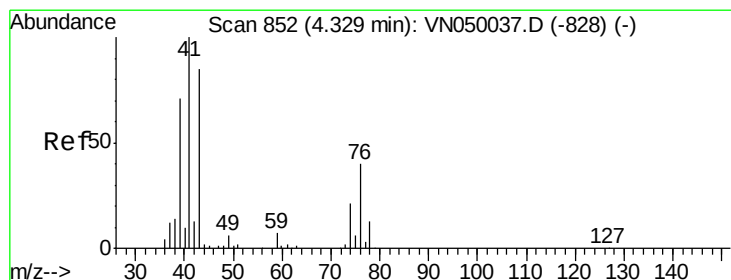
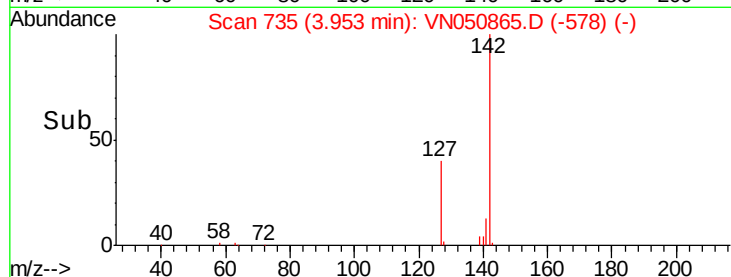
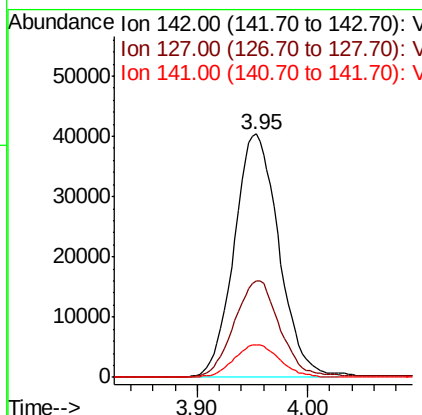
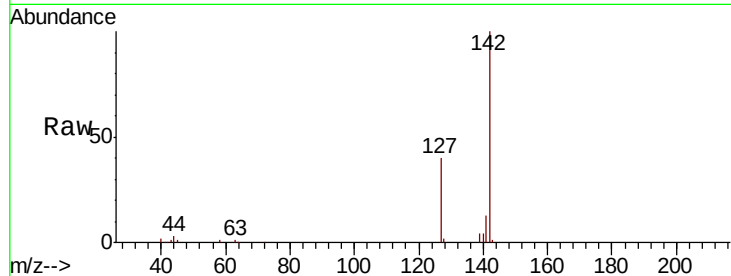
#11
Methyl Iodide
Concen: 12.567 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.6	20.2	60.5
141	13.3	6.9	20.6

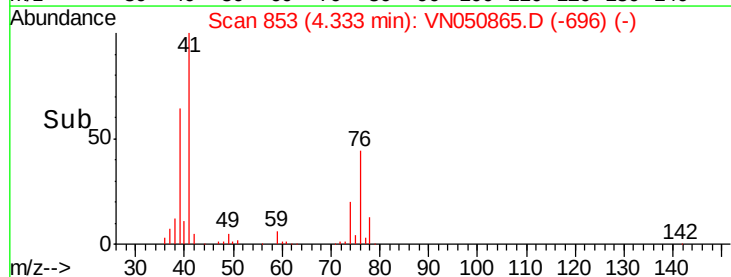
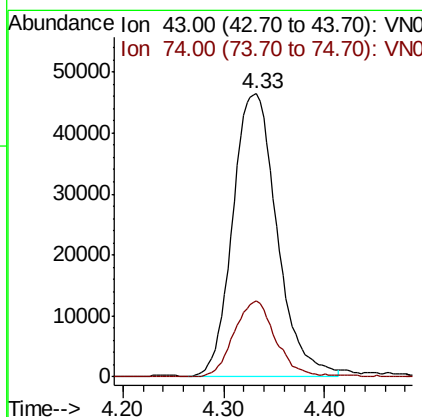
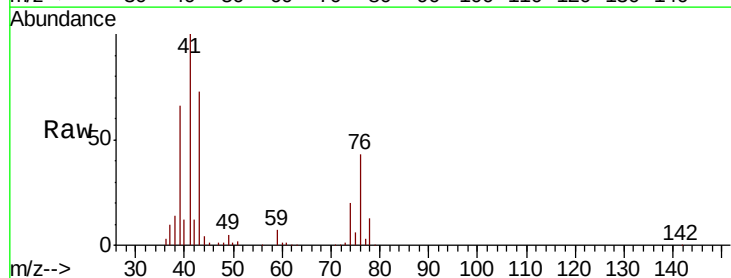
Manual Integrations
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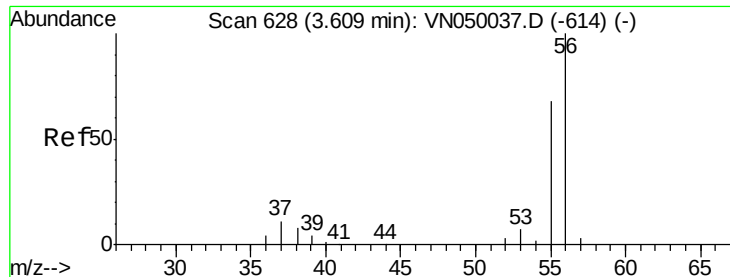
MMDadoda
8/25/2018 1:18:26 PM



#12
Methyl Acetate
Concen: 20.224 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.9	19.3	28.9





#13

Acrolein

Concen: 43.104 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tgt Ion: 56 Resp: 18703

Ion Ratio Lower Upper

56 100

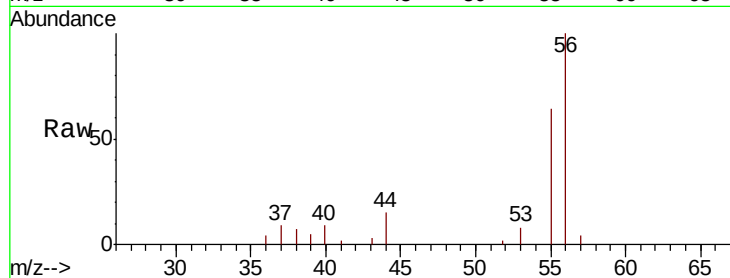
55 37.4 58.6 88.0#

Manual Integrations

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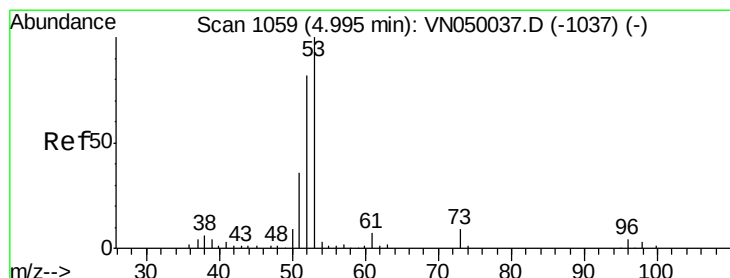
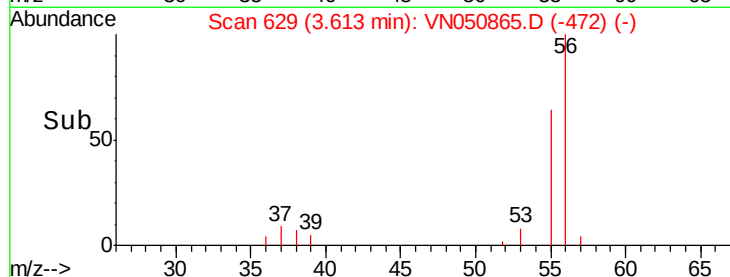
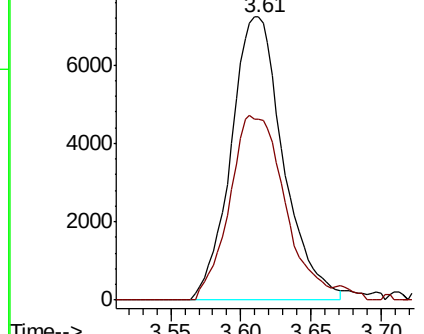
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 103.206 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

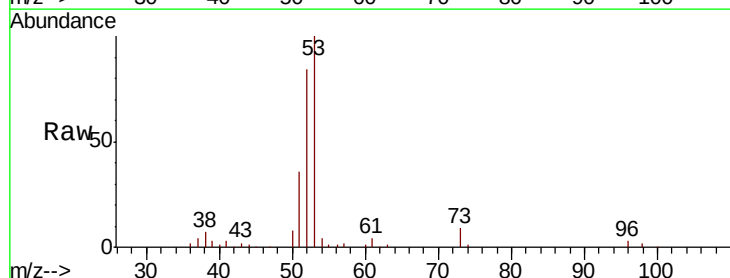
Tgt Ion: 53 Resp: 241792

Ion Ratio Lower Upper

53 100

52 82.5 41.5 124.5

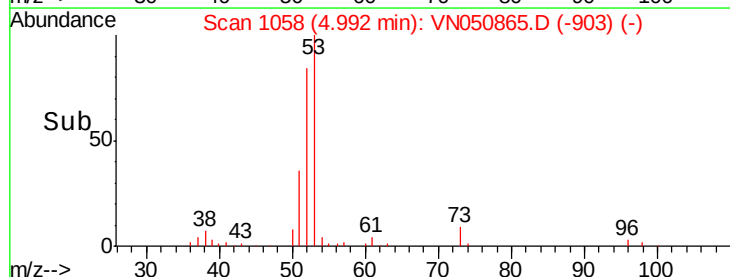
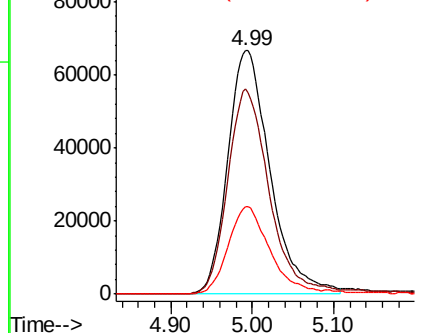
51 35.4 18.7 56.1

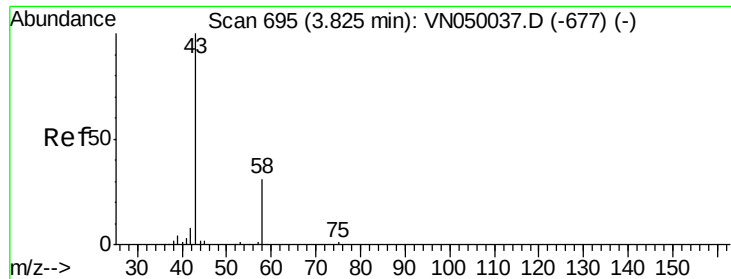


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 102.505 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.01 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tgt Ion: 58 Resp: 63823

Ion Ratio Lower Upper

58 100

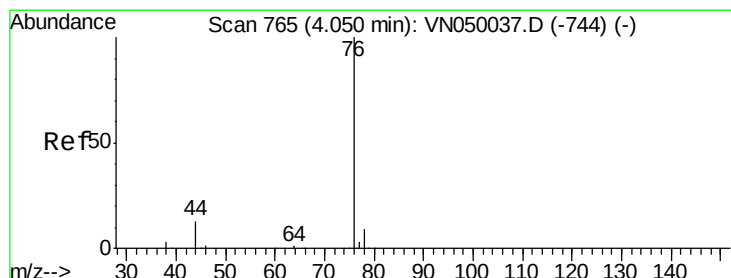
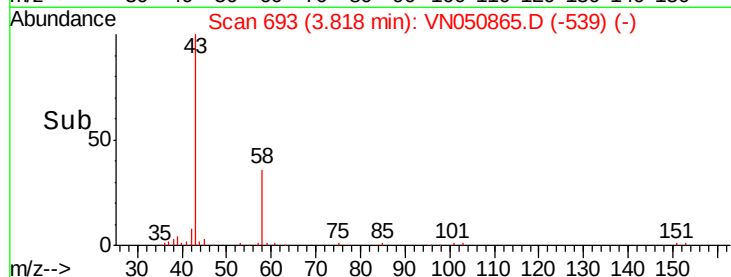
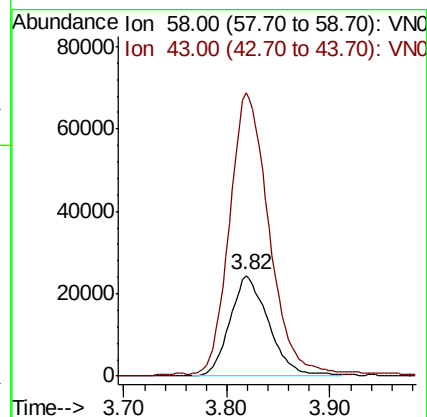
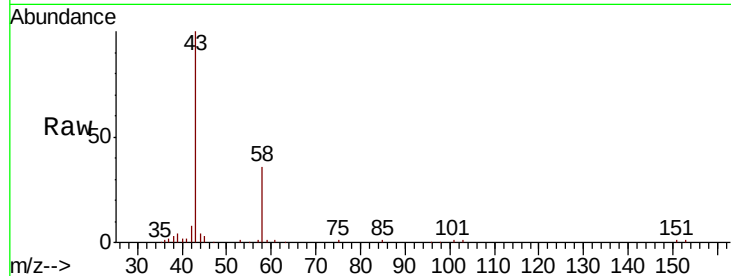
43 278.3 252.0 378.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 22.670 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050865.D

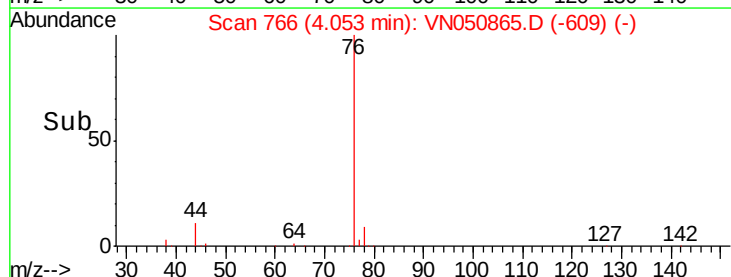
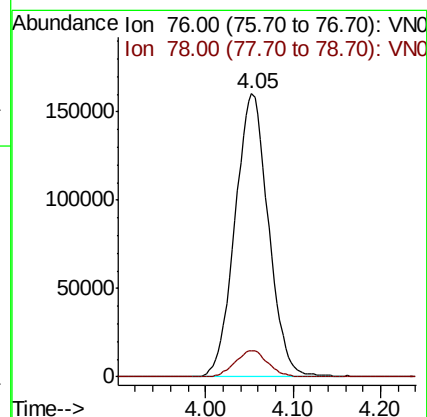
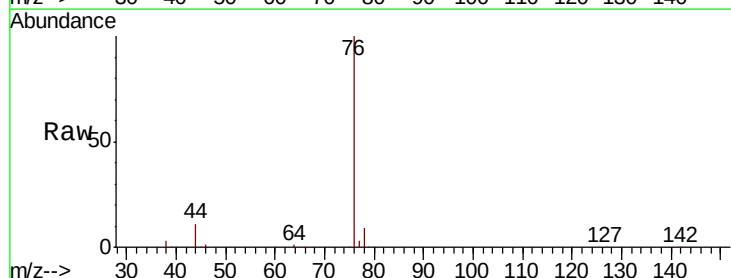
Acq: 24 Aug 2018 10:02

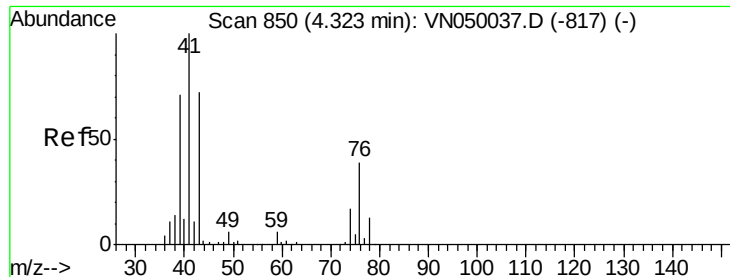
Tgt Ion: 76 Resp: 425215

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





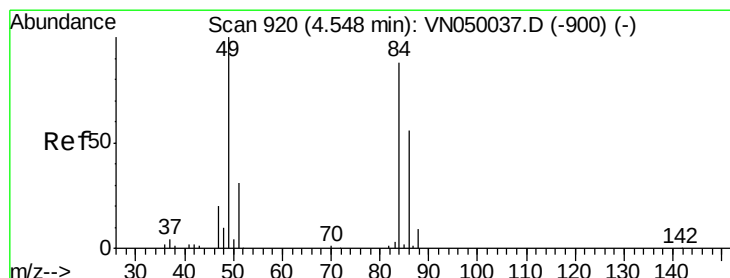
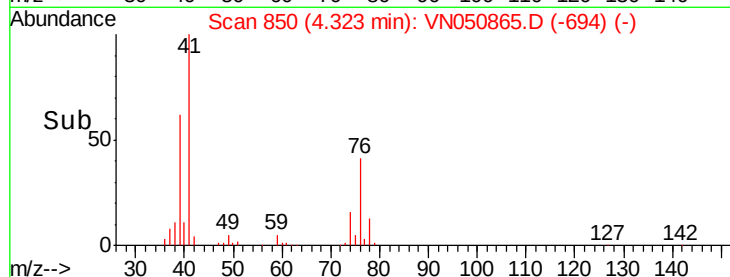
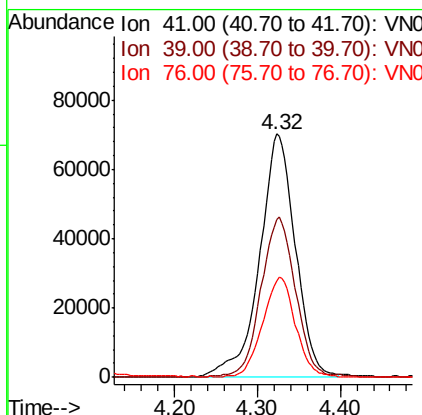
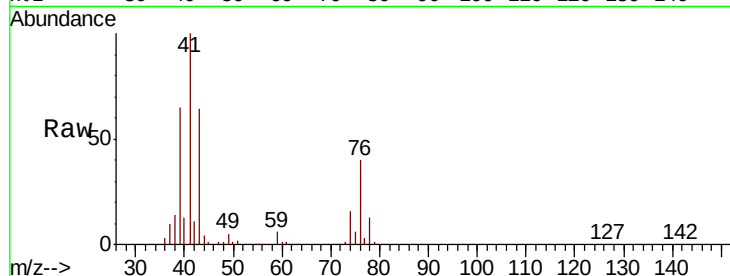
#17
 Allyl chloride
 Concen: 21.840 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tgt Ion:	41	Resp:	211405
Ion	Ratio	Lower	Upper
41	100		
39	64.9	35.4	106.3
76	39.4	19.7	59.1

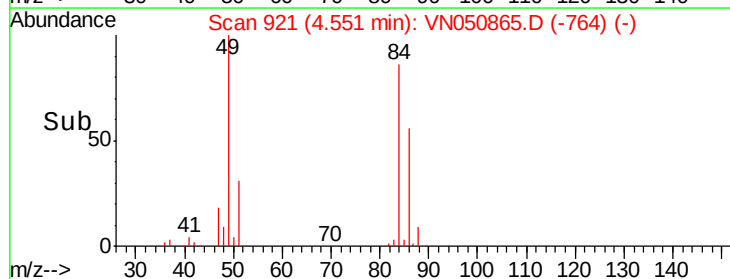
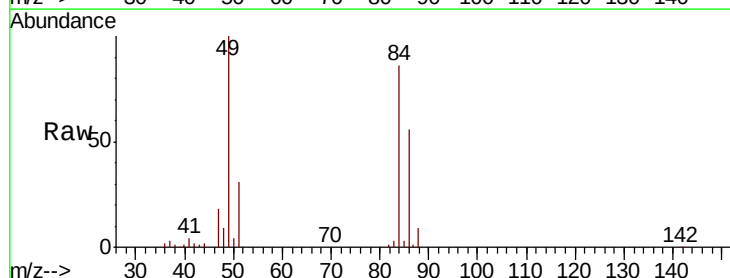
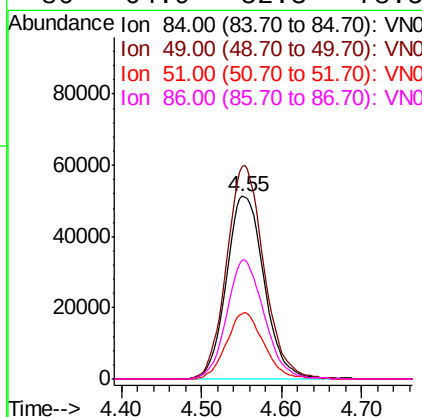
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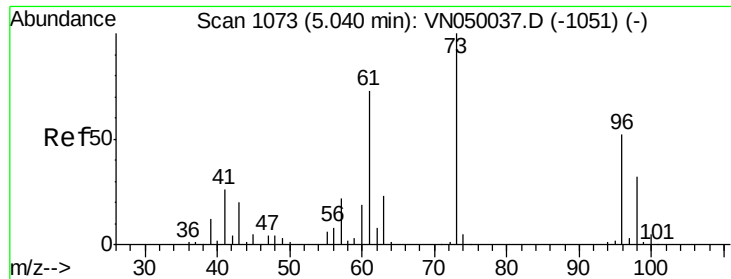
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#18
 Methylene Chloride
 Concen: 23.278 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Tgt Ion:	84	Resp:	164641
Ion	Ratio	Lower	Upper
84	100		
49	116.2	95.1	142.7
51	35.8	28.8	43.2
86	64.9	52.3	78.5





#19

trans-1,2-Dichloroethene

Concen: 22.740 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Instrument :

MSVOA_N

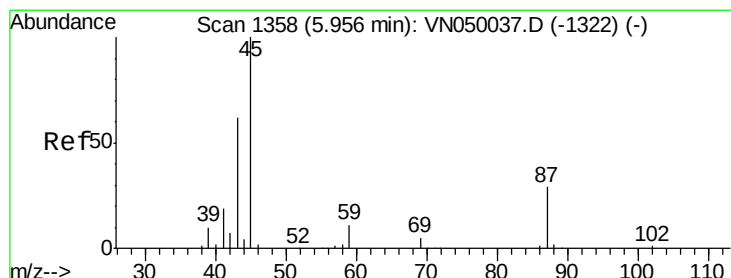
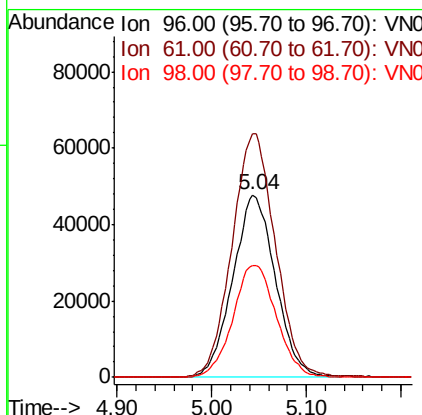
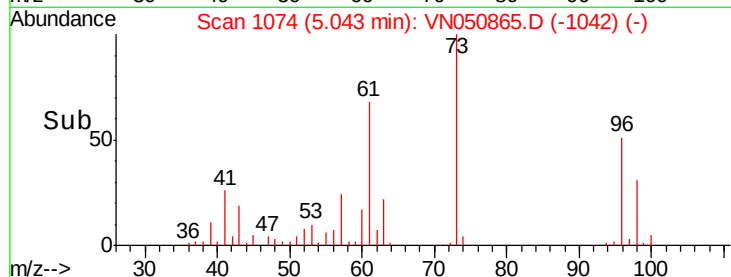
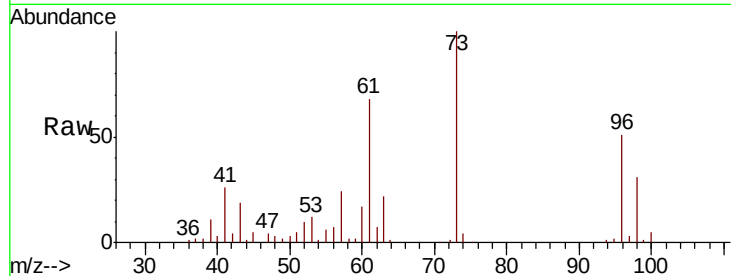
ClientSampleId :

VN0824WBSD01

Tgt Ion:	96	Resp:	149220
Ion	Ratio	Lower	Upper
96	100		
61	132.8	112.1	168.1
98	60.8	51.3	76.9

Manual Integrations
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#20

Diisopropyl ether

Concen: 23.155 ug/l

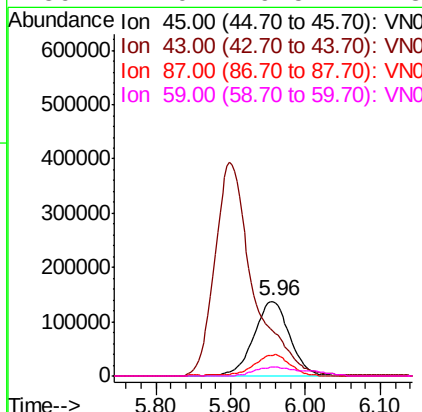
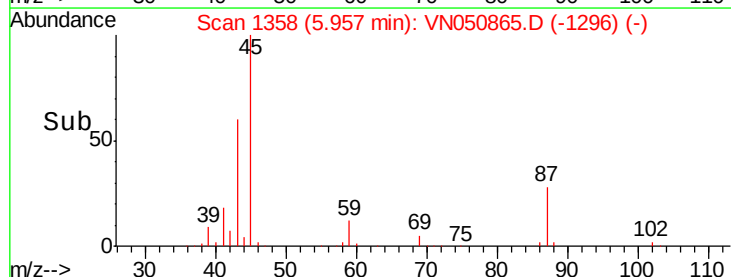
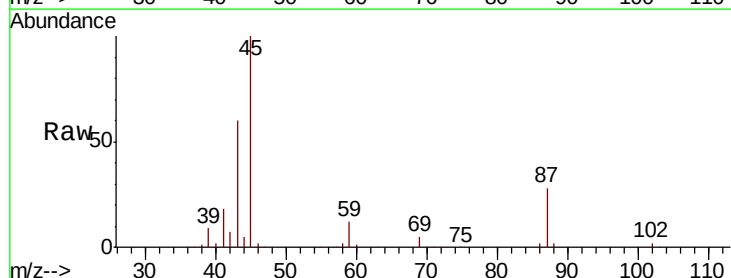
RT: 5.96 min Scan# 1358

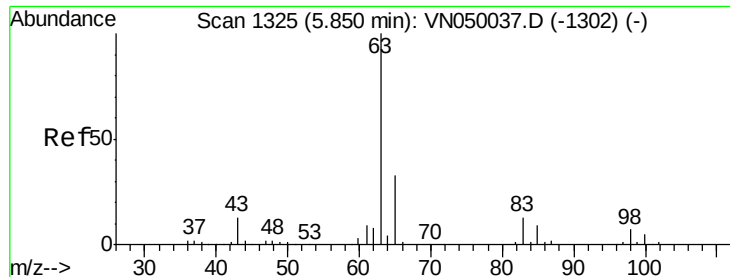
Delta R.T. 0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Tgt Ion:	45	Resp:	459566
Ion	Ratio	Lower	Upper
45	100		
43	57.2	46.6	70.0
87	28.1	22.3	33.5
59	12.0	9.5	14.3





#21

1,1-Dichloroethane

Concen: 22.291 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Instrument :

MSVOA_N

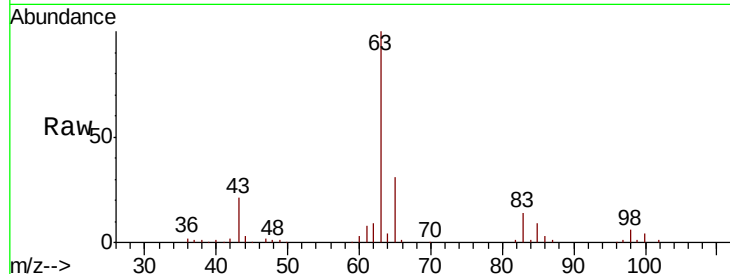
ClientSampleId :

VN0824WBSD01

Tgt Ion:	63	Resp:	278189
Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.5	10.6
100	4.4	2.3	6.8

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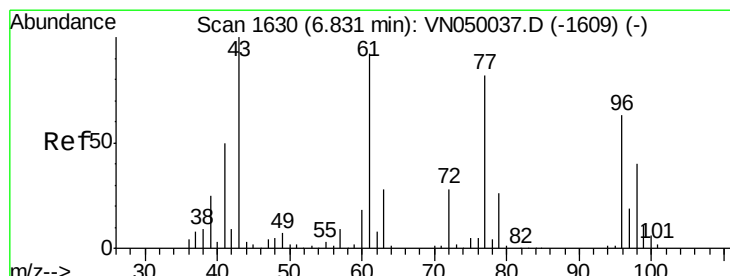
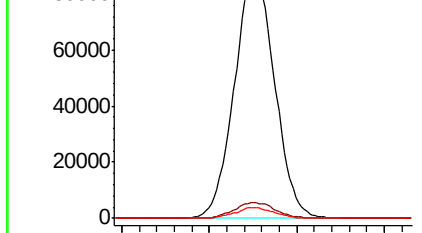
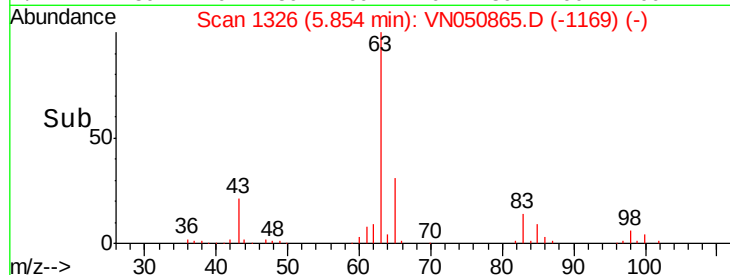


Abundance Ion 63.00 (62.70 to 63.70): VN050037.D (-1302) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1302) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-1302) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 22.488 ug/l

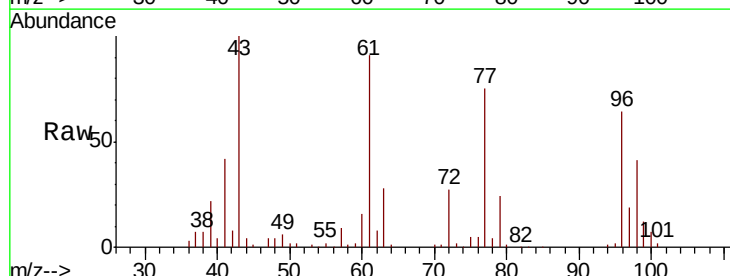
RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Tgt Ion:	96	Resp:	163647
Ion	Ratio	Lower	Upper
96	100		
61	141.6	114.2	171.2
98	65.2	51.7	77.5

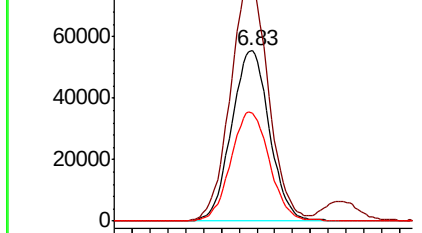
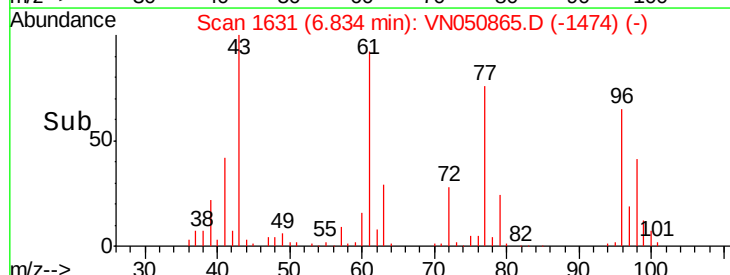


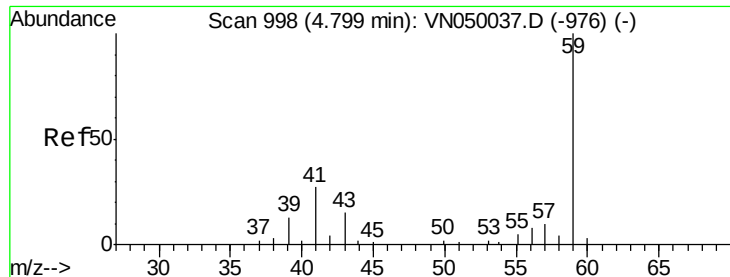
Abundance Ion 96.00 (95.70 to 96.70): VN050037.D (-1609) (-)

Ion 61.00 (60.70 to 61.70): VN050037.D (-1609) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1609) (-)

Time-->





#23

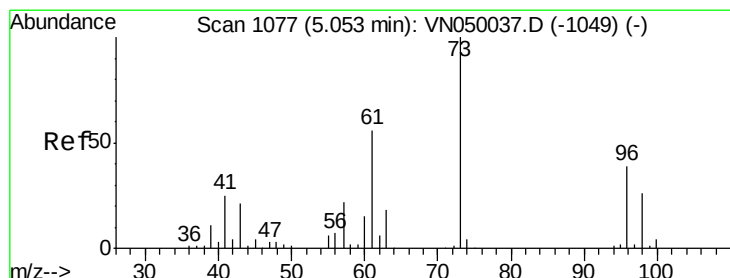
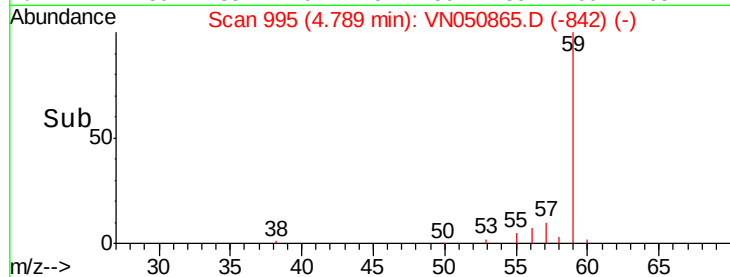
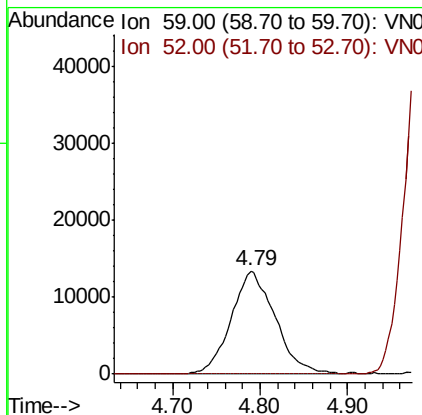
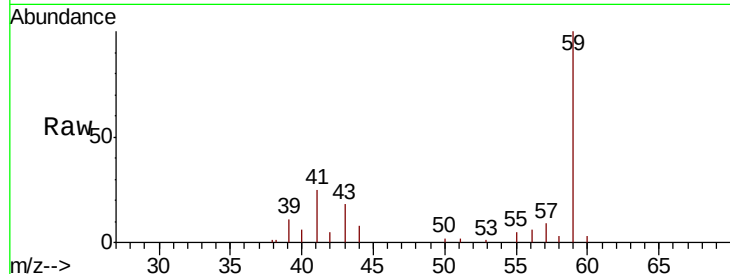
tert-Butyl Alcohol
 Concen: 89.505 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tgt Ion: 59 Resp: 46856
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

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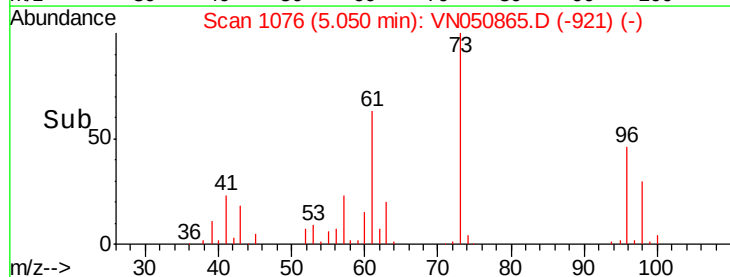
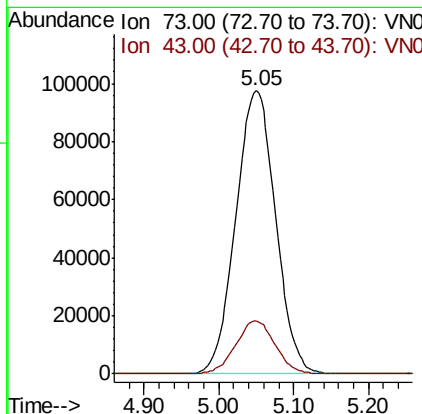
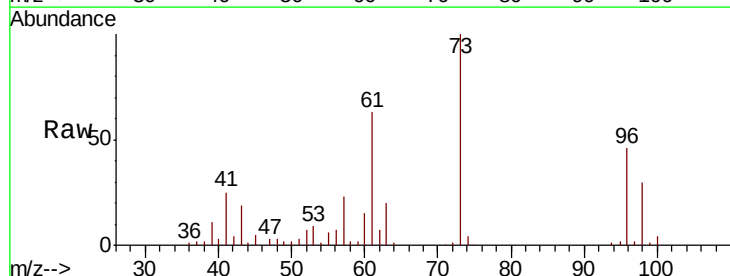
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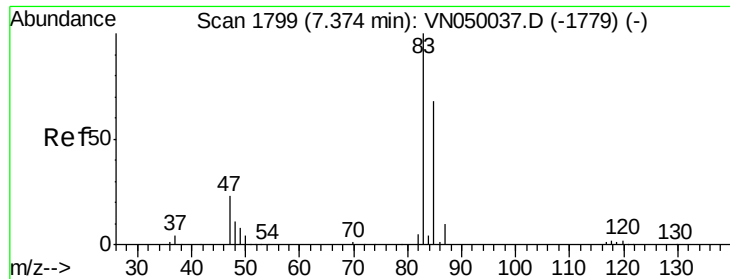


#24

Methyl tert-Butyl Ether
 Concen: 21.570 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Tgt Ion: 73 Resp: 360556
 Ion Ratio Lower Upper
 73 100
 43 18.7 15.5 23.3





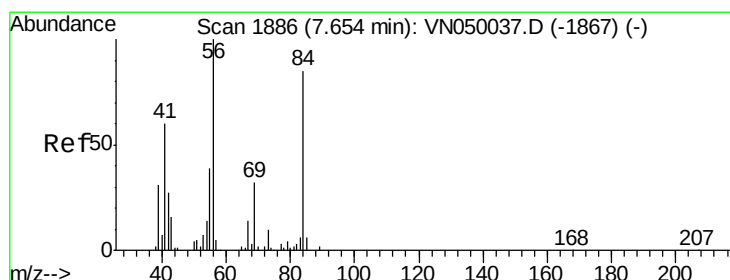
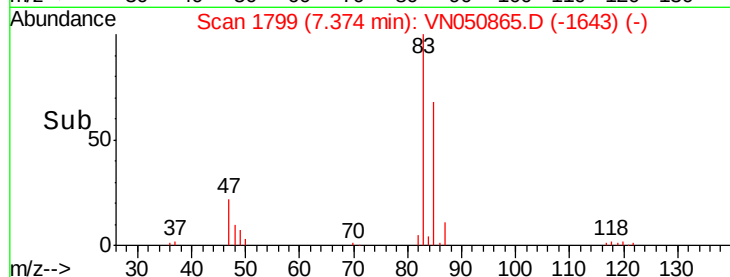
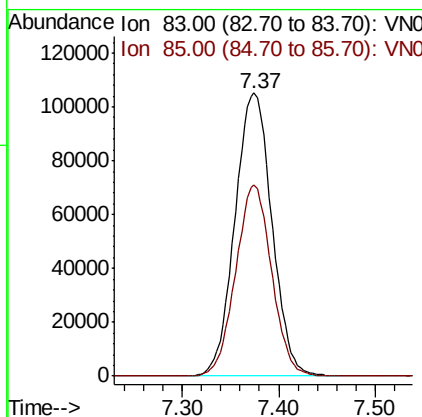
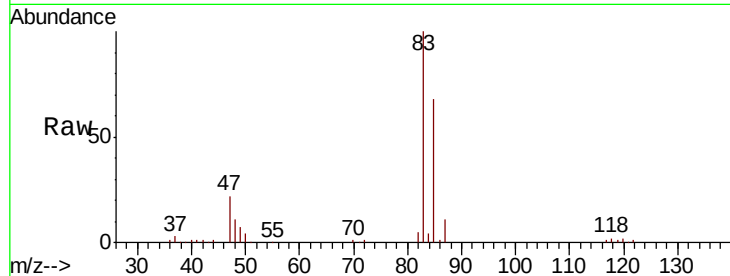
#25
Chloroform
Concen: 22.105 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tgt Ion: 83 Resp: 279264
Ion Ratio Lower Upper
83 100
85 67.7 52.1 78.1

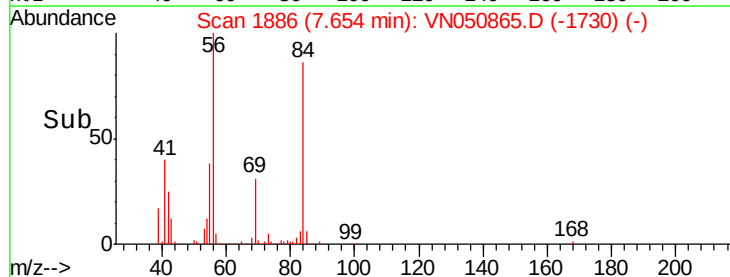
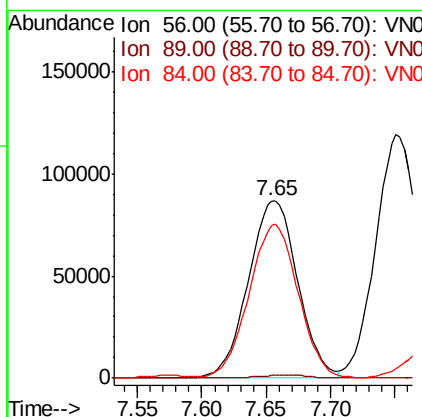
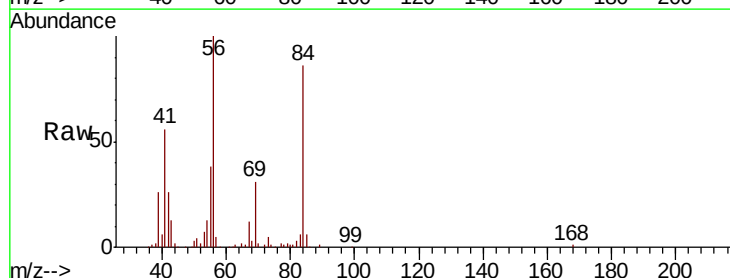
Manual Integrations
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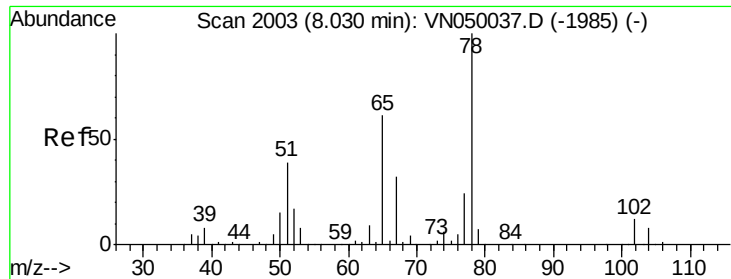
MMDadoda
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#26
Cyclohexane
Concen: 23.348 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Tgt Ion: 56 Resp: 231542
Ion Ratio Lower Upper
56 100
89 1.6 3.0 4.4#
84 86.5 69.8 104.8





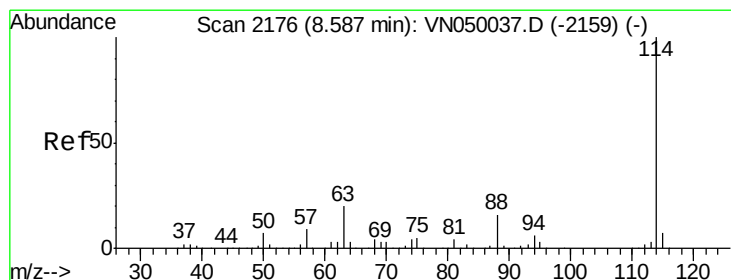
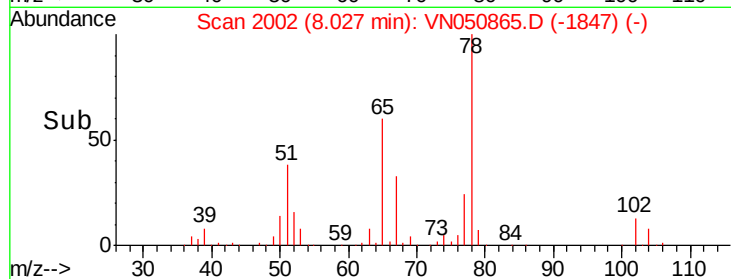
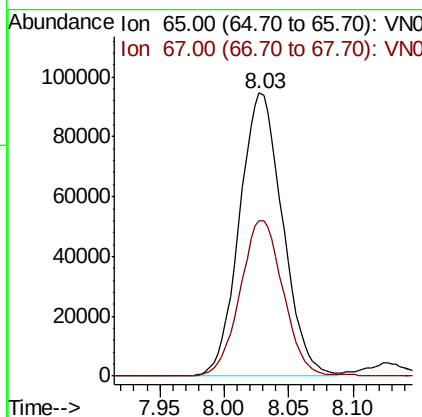
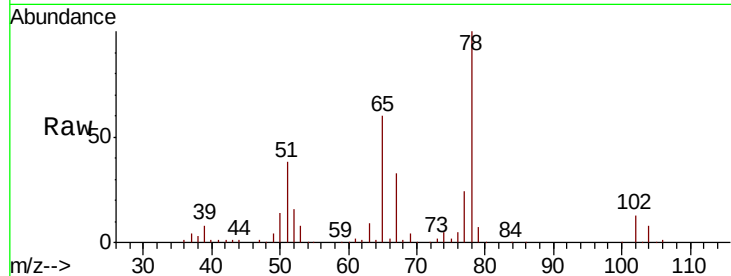
#27
 1,2-Dichloroethane-d4
 Concen: 28.247 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0824WBSD01

Tgt Ion: 65 Resp: 220720
 Ion Ratio Lower Upper
 65 100
 67 55.0 42.7 64.1

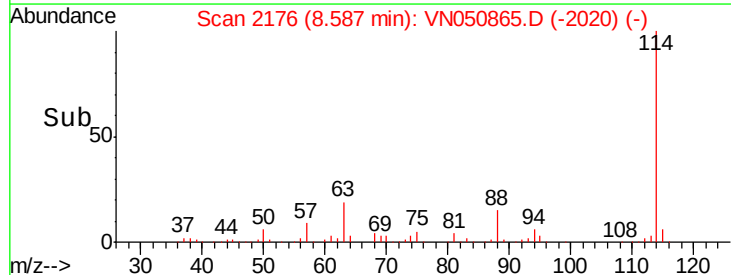
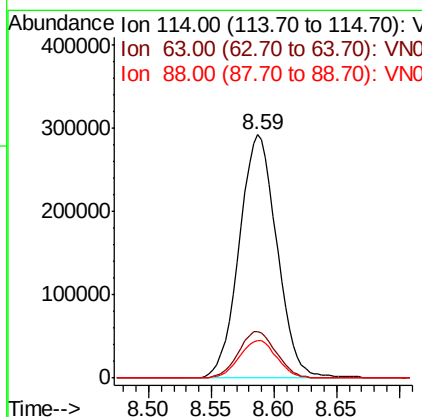
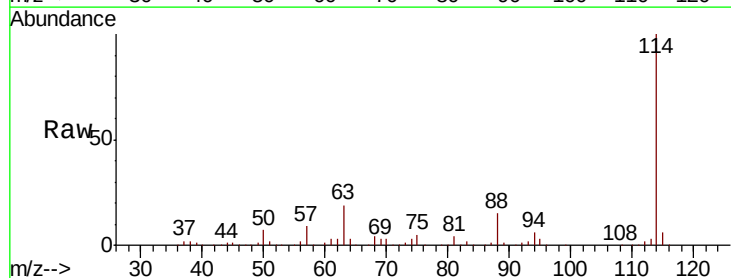
Manual Integrations
 APPROVED

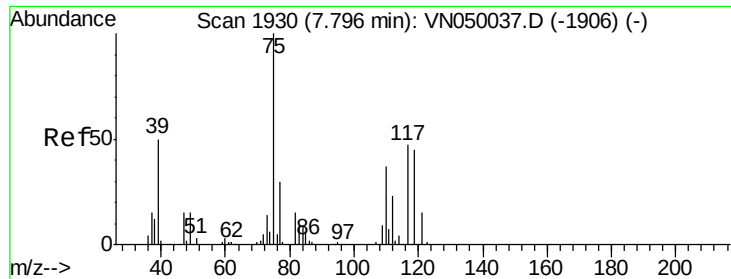
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Tgt Ion: 114 Resp: 611130
 Ion Ratio Lower Upper
 114 100
 63 19.4 16.2 24.2
 88 15.5 12.3 18.5





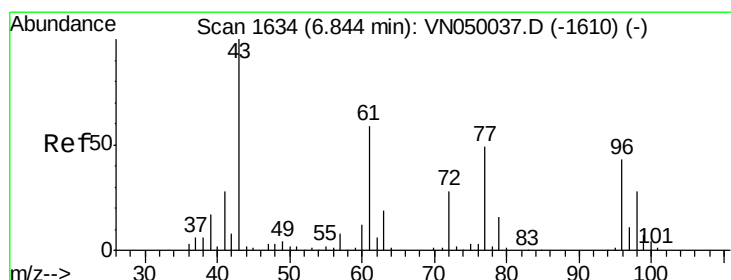
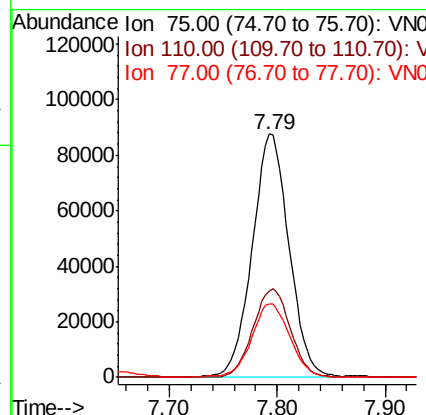
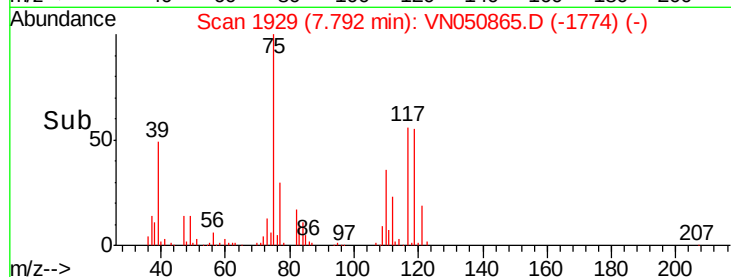
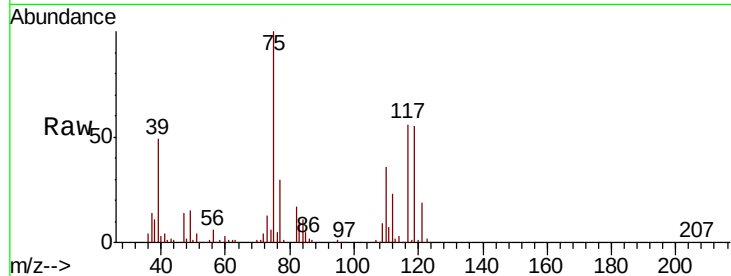
#29
 1,1-Dichloropropene
 Concen: 21.923 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	36.7	0.0	73.2
77	31.5	0.0	62.0

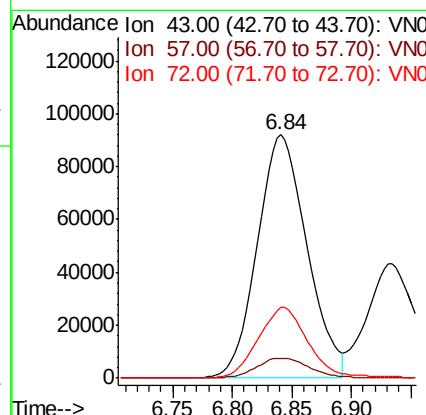
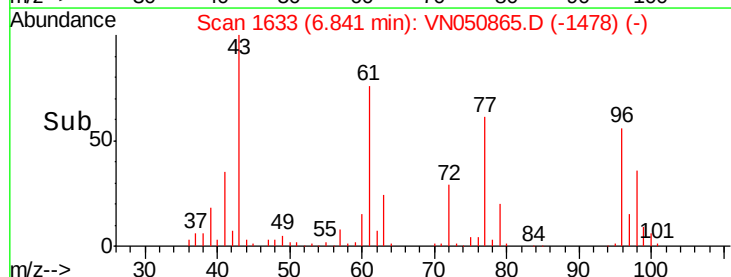
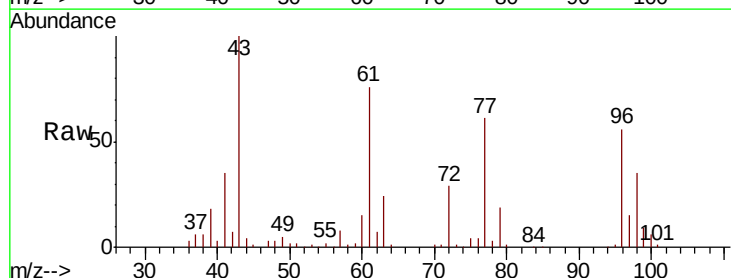
Manual Integrations
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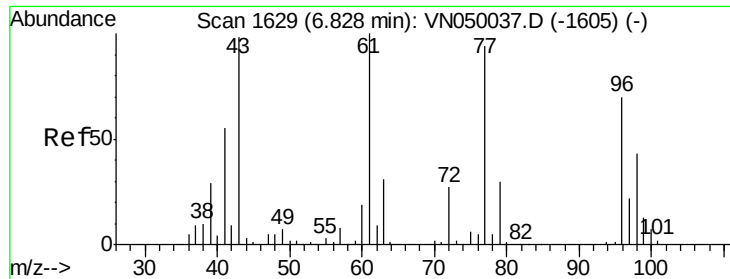
MMDadoda
 8/25/2018 1:18:26 PM



#30
 2-Butanone
 Concen: 88.871 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	8.7	6.8	10.2
72	29.6	21.4	32.0





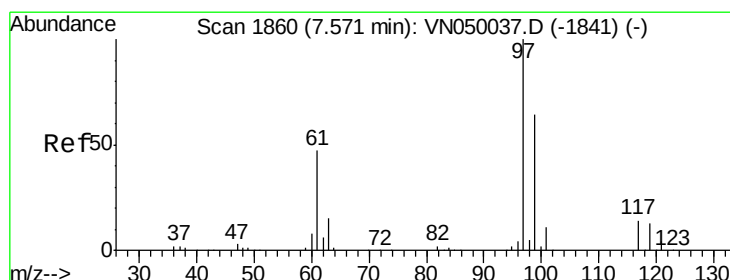
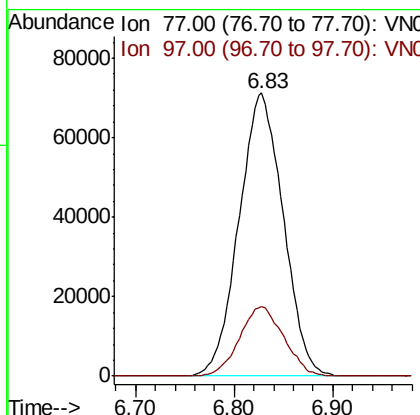
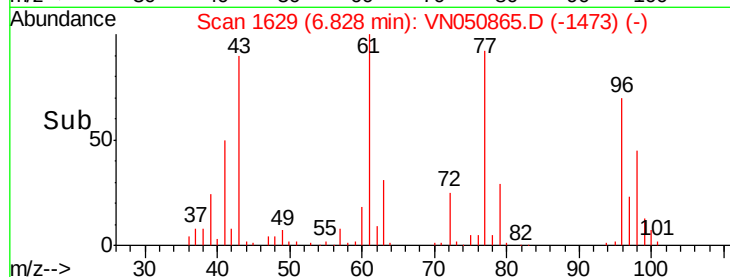
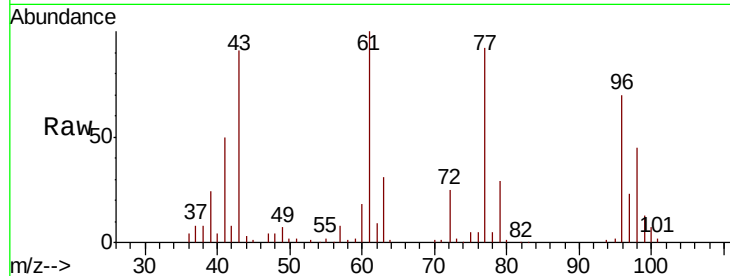
#31
 2,2-Dichloropropane
 Concen: 21.088 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tgt Ion: 77 Resp: 221075
 Ion Ratio Lower Upper
 77 100
 97 24.6 18.9 28.3

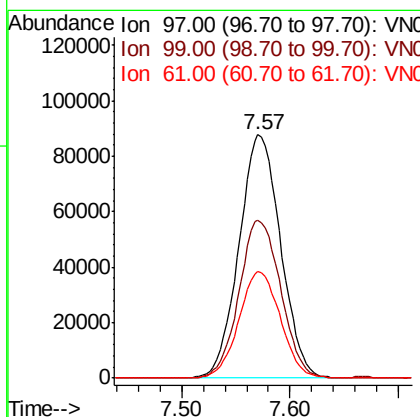
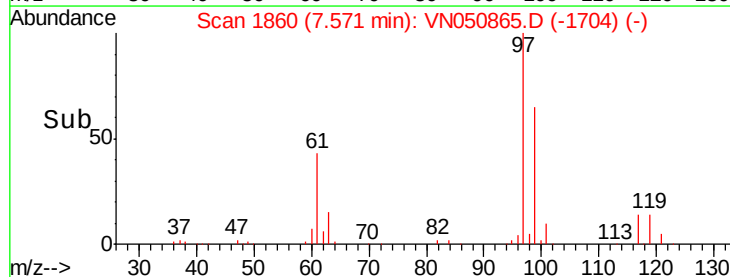
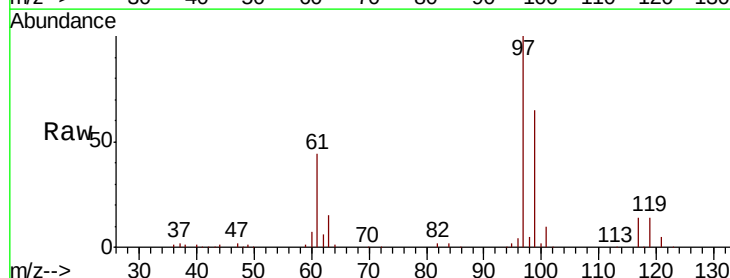
Manual Integrations
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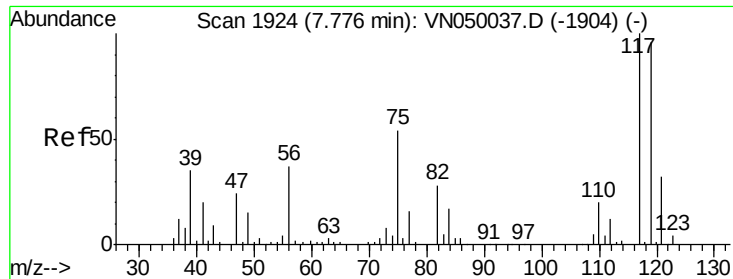
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#32
 1,1,1-Trichloroethane
 Concen: 21.080 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Tgt Ion: 97 Resp: 235322
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.2 76.8
 61 43.6 35.3 52.9





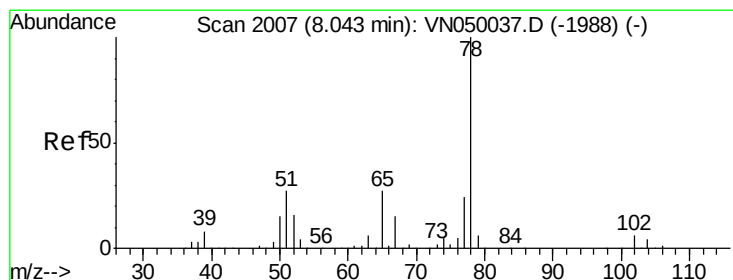
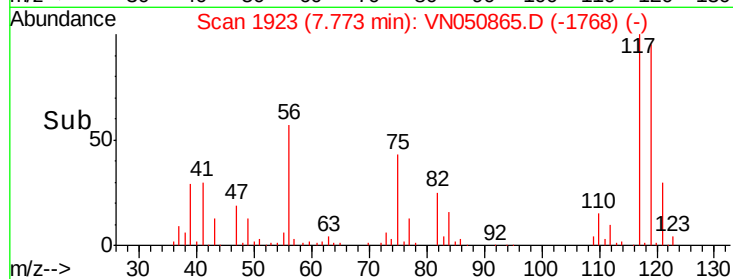
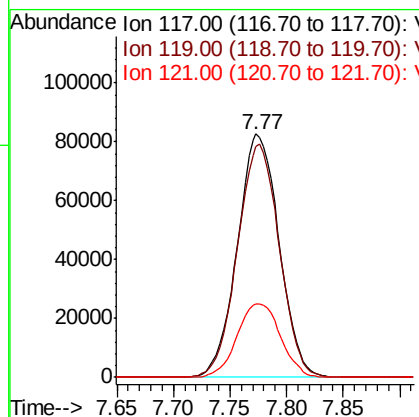
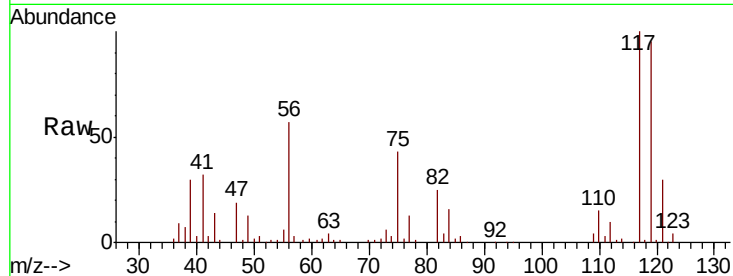
#33
Carbon Tetrachloride
Concen: 21.293 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	211893		
119	95.1	76.9	115.3	
121	30.3	24.4	36.6	

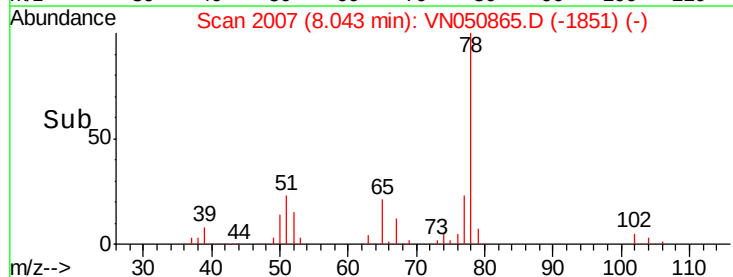
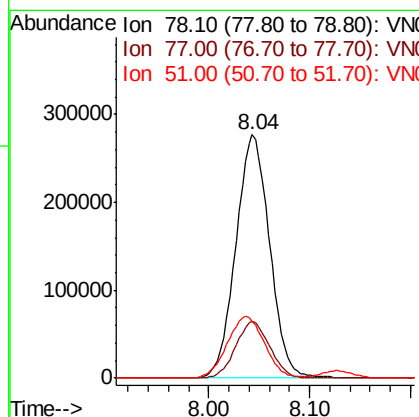
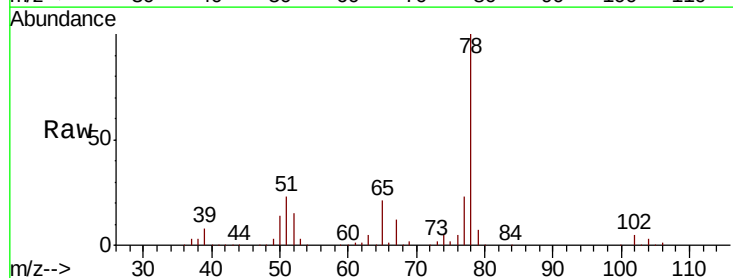
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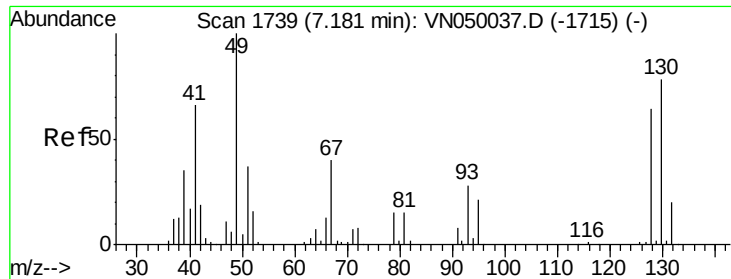
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#34
Benzene
Concen: 22.384 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	644747		
77	23.4	19.1	28.7	
51	23.4	21.0	31.4	





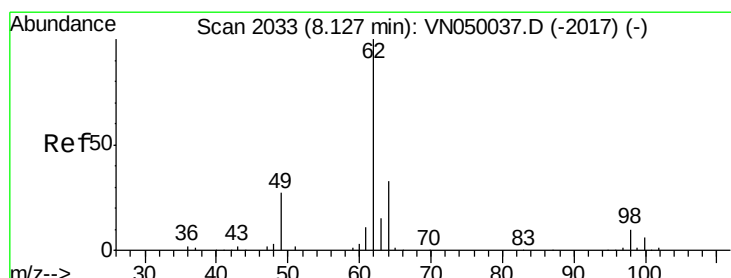
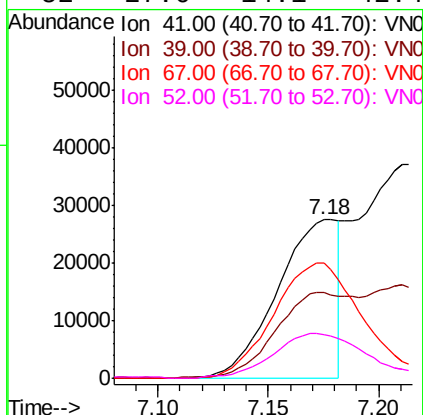
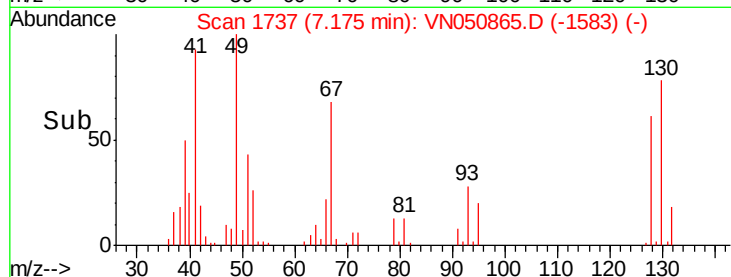
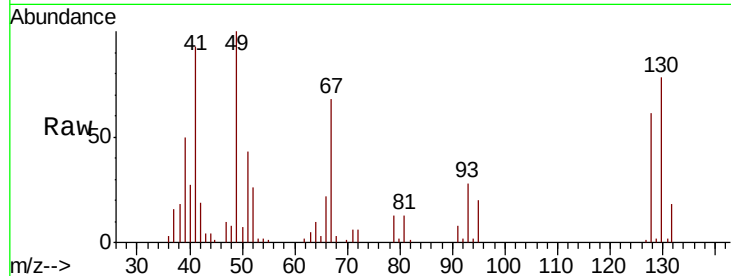
#35
Methacrylonitrile
Concen: 15.514 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.2	27.6	82.7
67	72.6	35.1	105.5
52	27.6	14.1	42.4

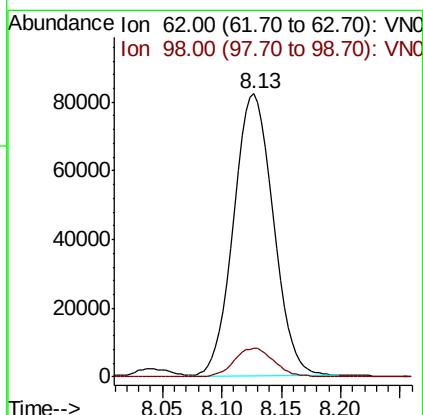
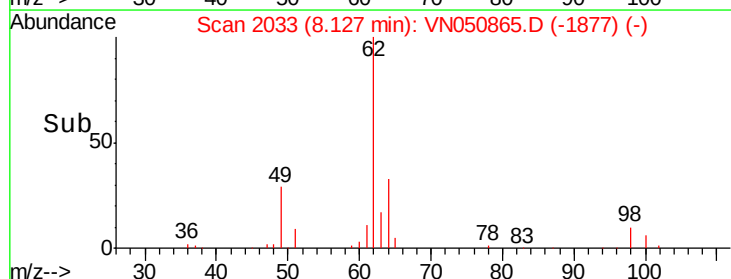
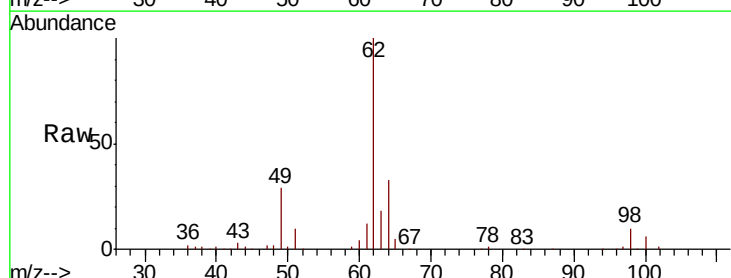
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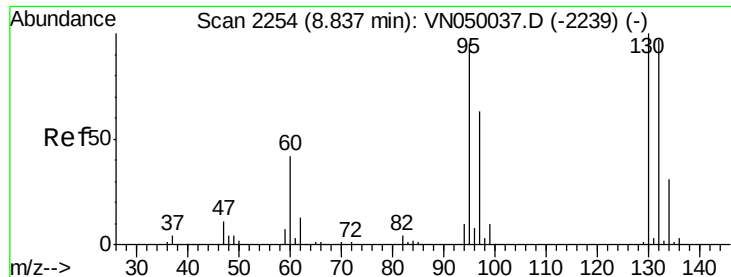
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#36
1,2-Dichloroethane
Concen: 20.131 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	7.8	11.6





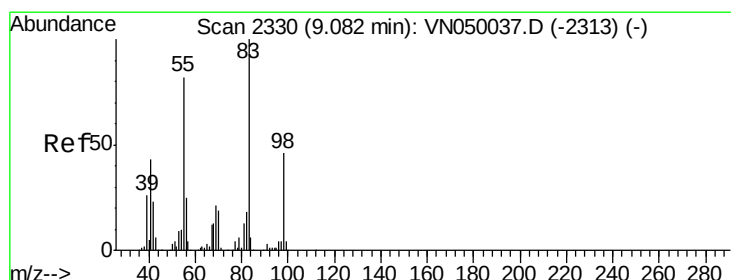
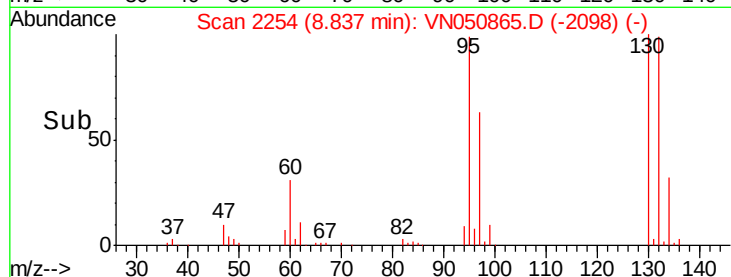
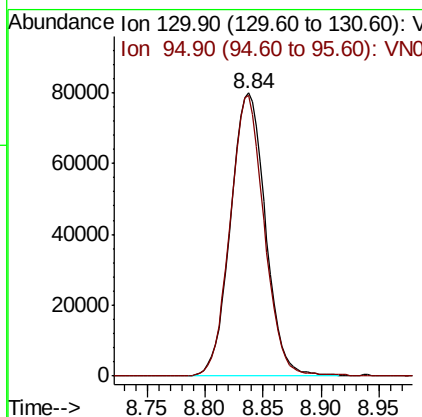
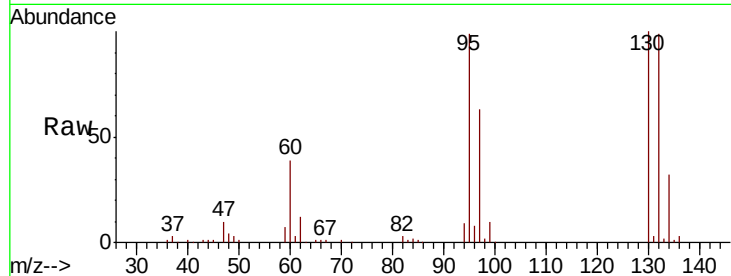
#37
 Trichloroethene
 Concen: 22.037 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tgt Ion: 130 Resp: 166473
 Ion Ratio Lower Upper
 130 100
 95 99.0 79.7 119.5

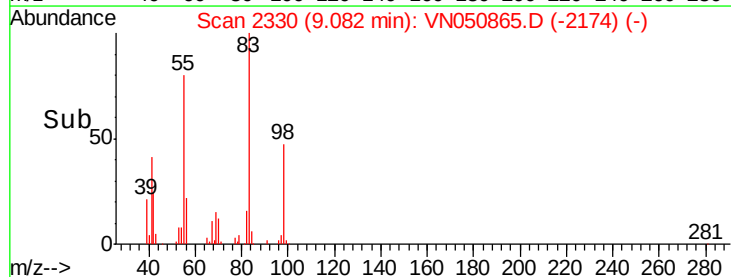
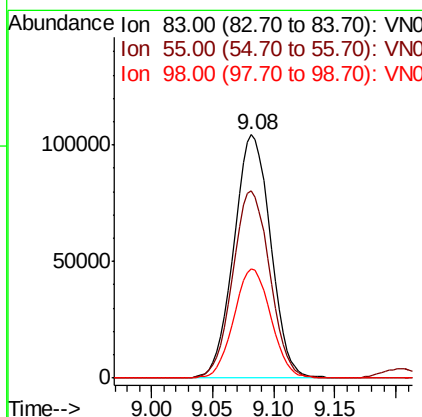
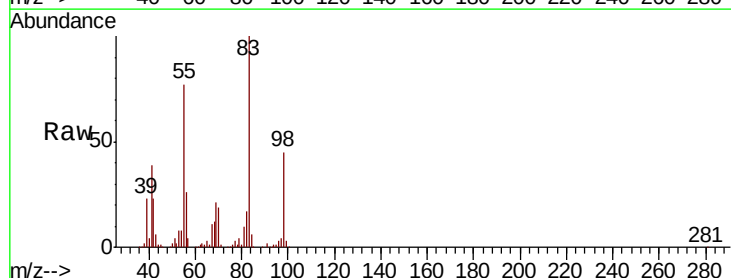
Manual Integrations
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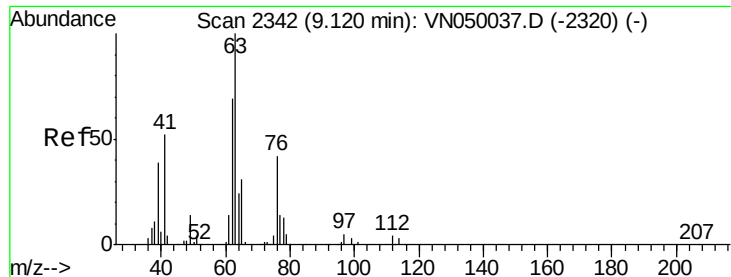
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#38
 Methylcyclohexane
 Concen: 21.839 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Tgt Ion: 83 Resp: 218354
 Ion Ratio Lower Upper
 83 100
 55 77.6 39.3 117.8
 98 45.2 23.0 69.0





#39

1,2-Dichloropropane

Concen: 22.184 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tgt Ion: 63 Resp: 168326

Ion Ratio Lower Upper

63 100

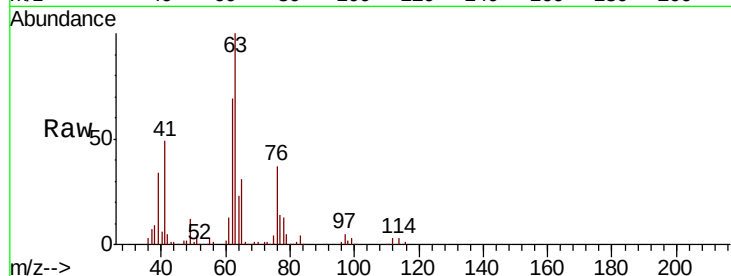
65 31.3 24.2 36.2

Manual Integrations

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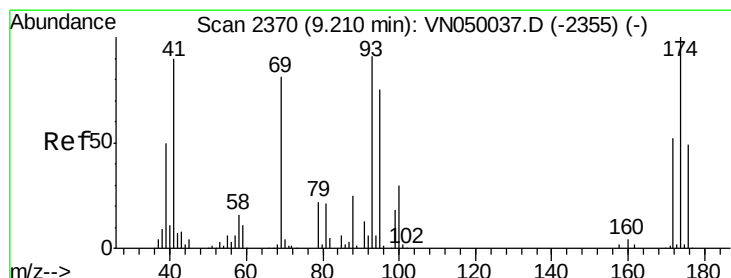
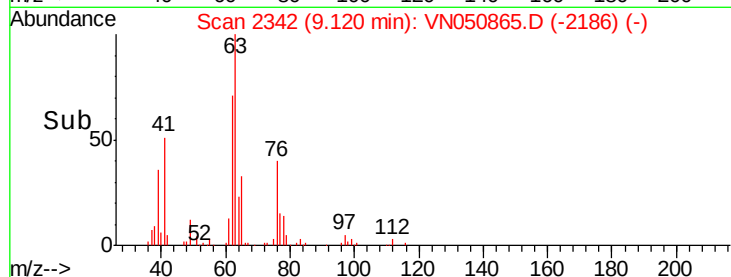
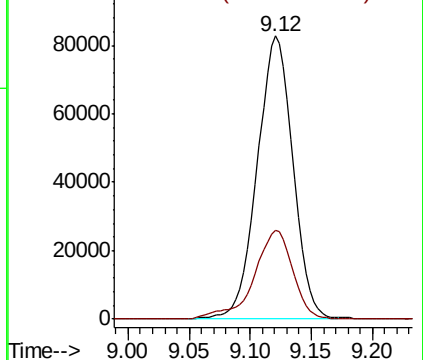
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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 21.037 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

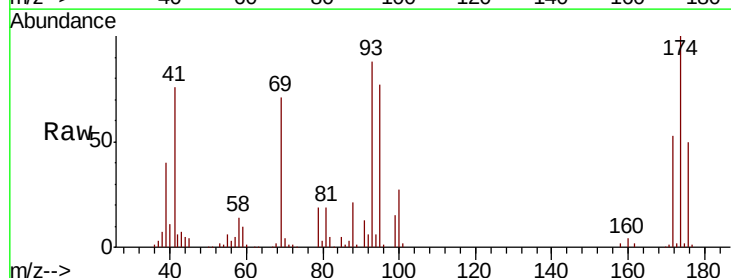
Tgt Ion: 93 Resp: 98655

Ion Ratio Lower Upper

93 100

95 84.0 0.0 165.6

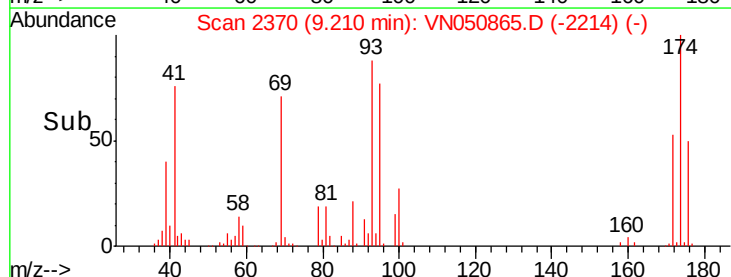
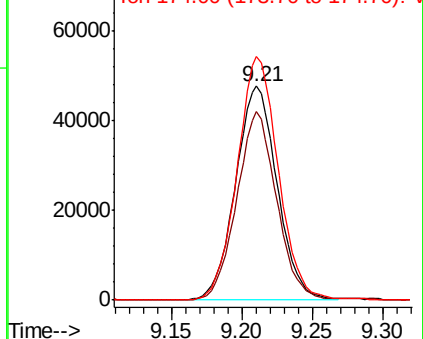
174 111.9 0.0 223.2

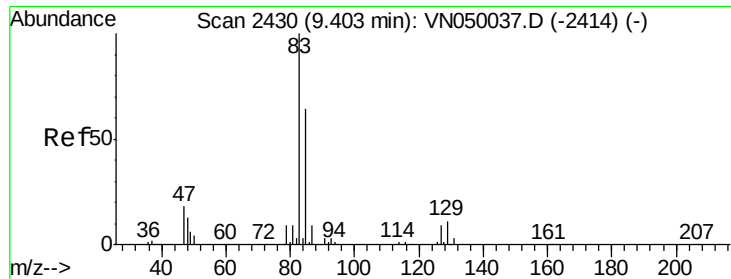


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





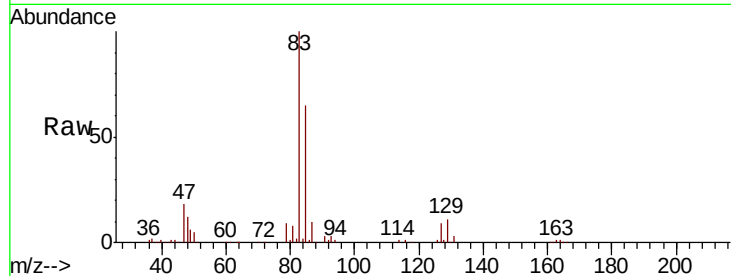
#41
 Bromodichloromethane
 Concen: 21.222 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

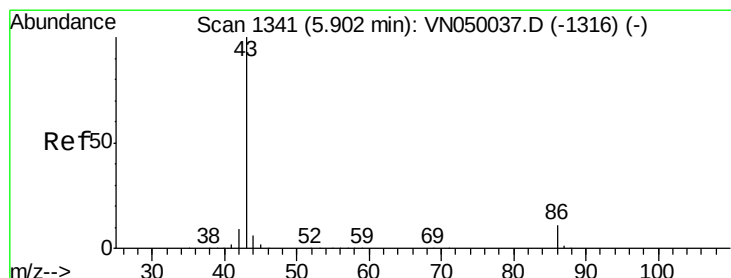
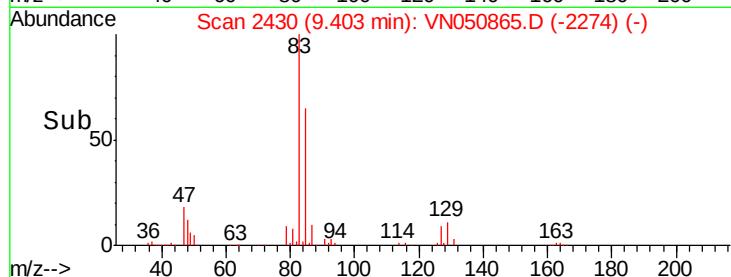
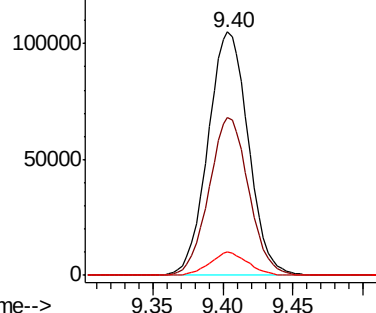
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.6	78.8
127	9.4	7.0	10.4

Manual Integrations
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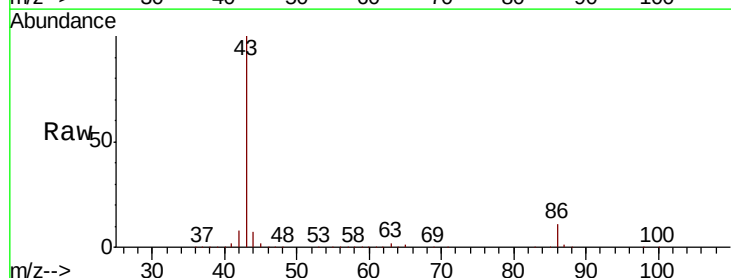


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): V

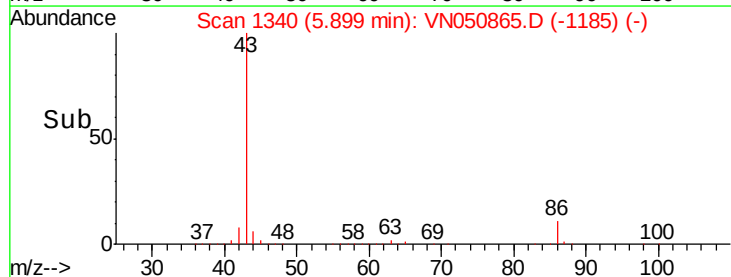
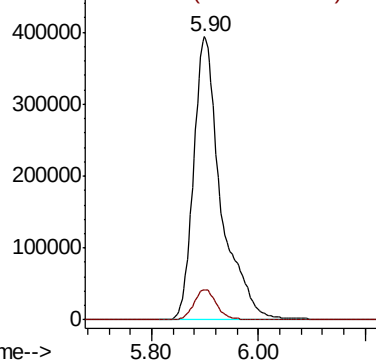


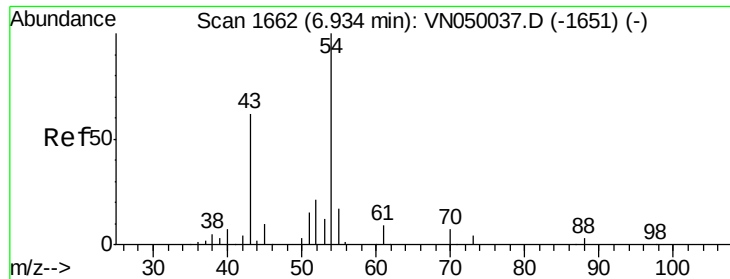
#42
 Vinyl Acetate
 Concen: 100.206 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.3	10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 86.00 (85.70 to 86.70): VN0





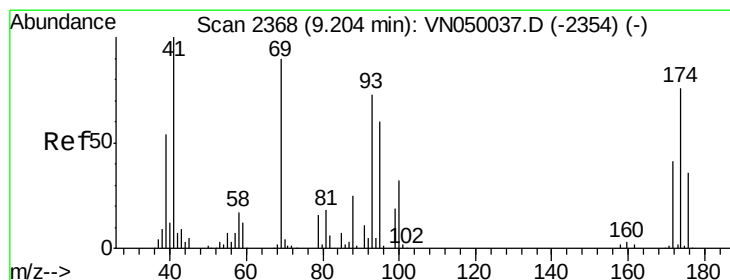
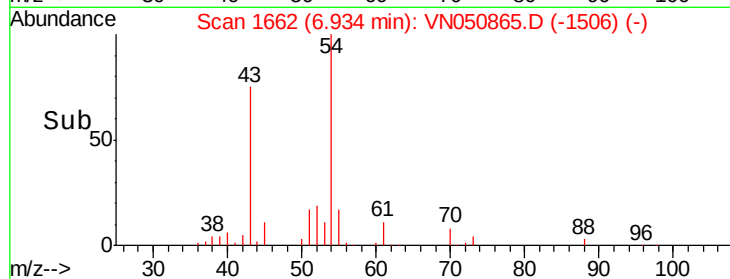
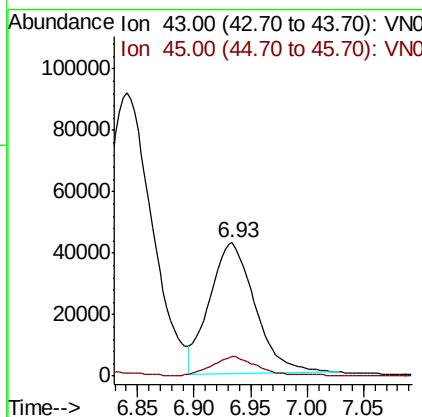
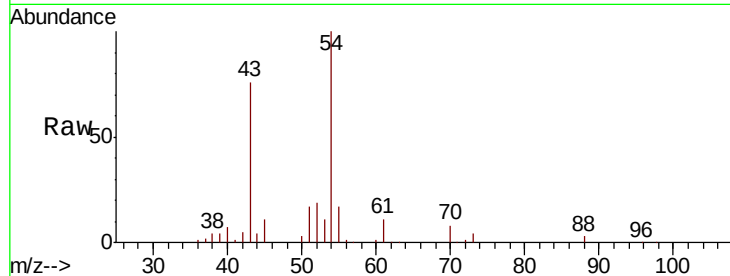
#43
Ethyl Acetate
Concen: 19.169 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Instrument :
MSVOA_N
ClientSampled :
VN0824WBSD01

Tgt Ion: 43 Resp: 119130
Ion Ratio Lower Upper
43 100
45 13.7 13.0 19.6

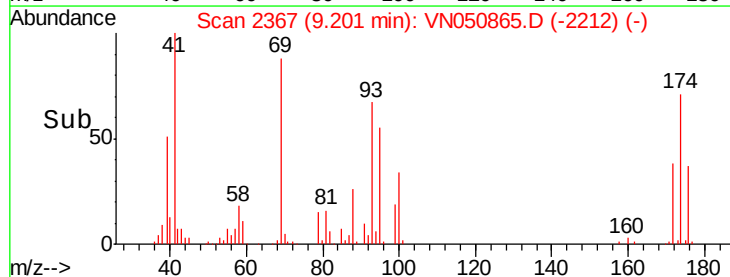
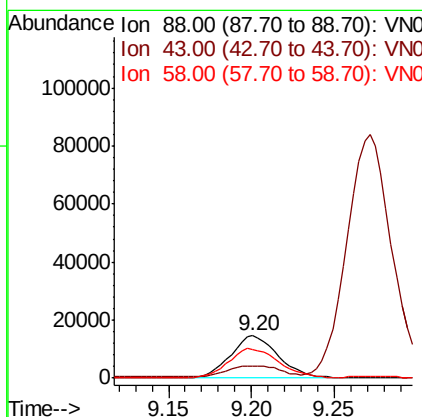
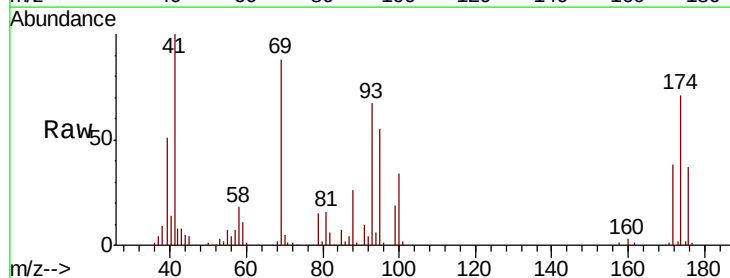
Manual Integrations
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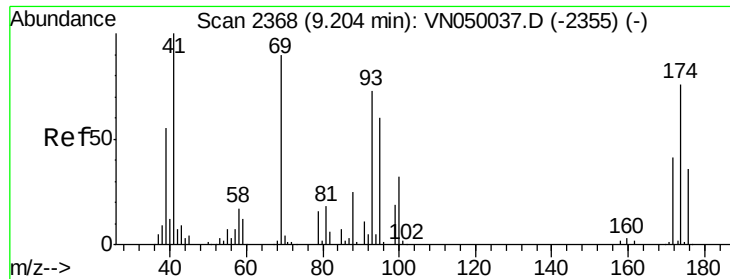
MMDadoda
8/25/2018 1:18:26 PM



#45
1,4-Dioxane
Concen: 389.061 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Tgt Ion: 88 Resp: 29474
Ion Ratio Lower Upper
88 100
43 29.2 26.9 40.3
58 72.4 53.6 80.4





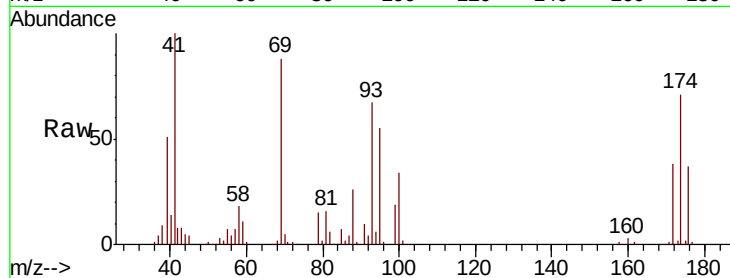
#46
Methyl methacrylate
Concen: 18.382 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

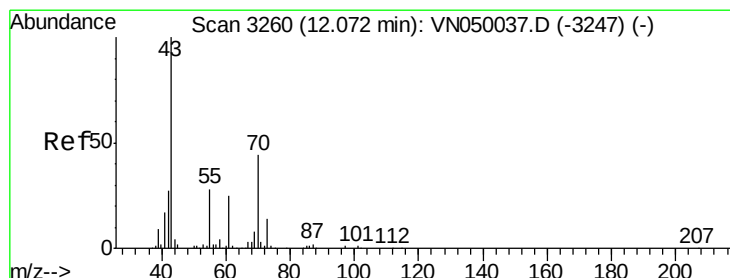
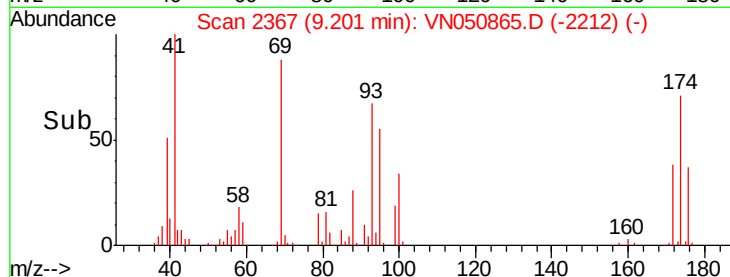
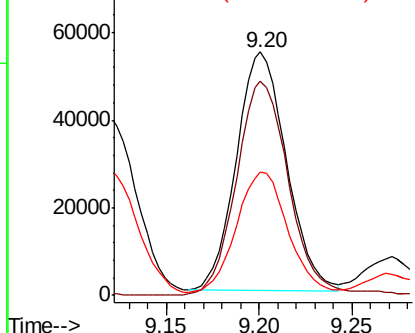
Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.8	44.0	132.1
39	50.4	27.0	80.8

Manual Integrations
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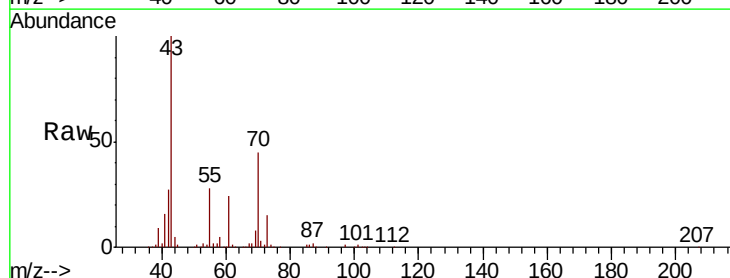


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

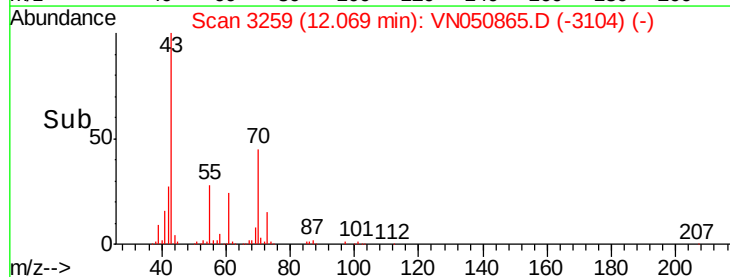
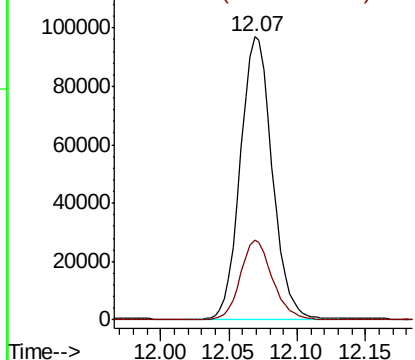


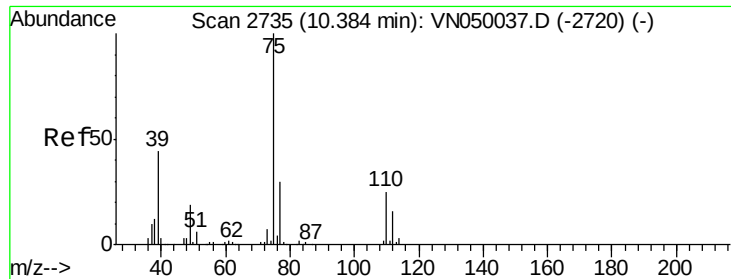
#47
n-ethyl acetate
Concen: 17.567 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Tgt Ion	Ratio	Lower	Upper
43	100		
55	28.5	21.0	31.4



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0





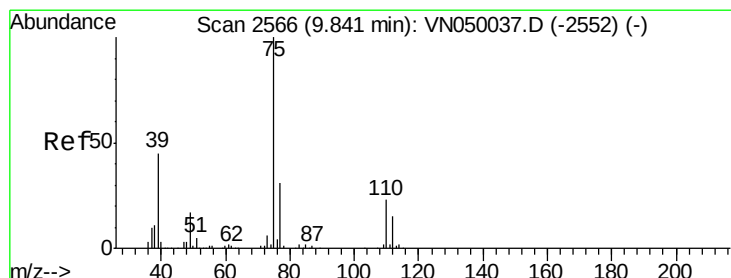
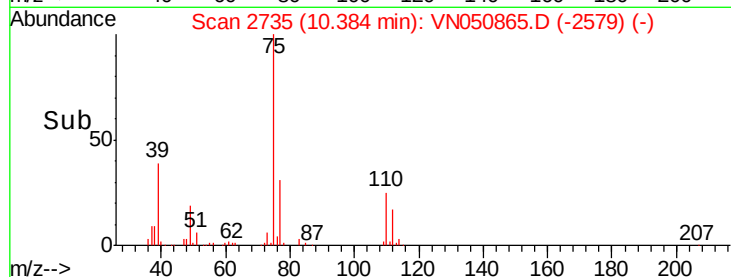
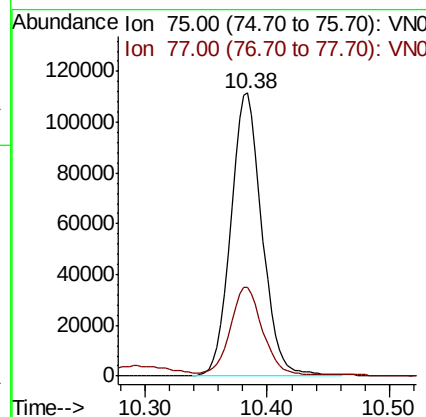
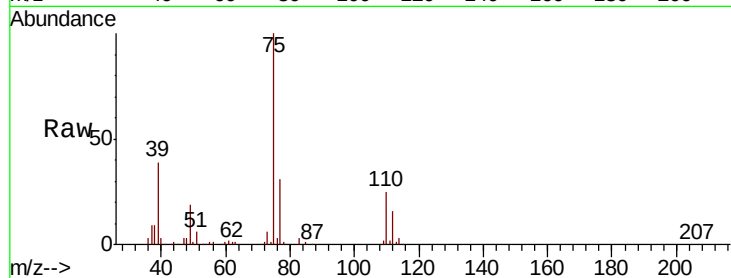
#48
t-1,3-Dichloropropene
Concen: 21.153 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tgt Ion: 75 Resp: 199449
Ion Ratio Lower Upper
75 100
77 30.8 24.6 37.0

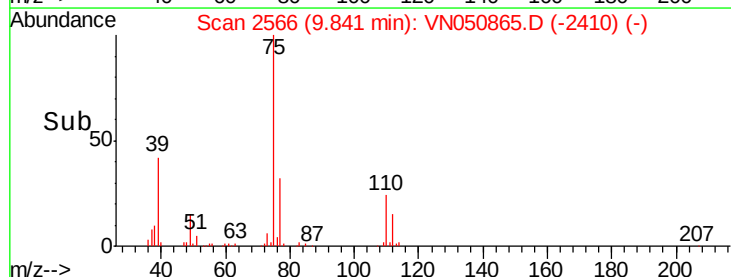
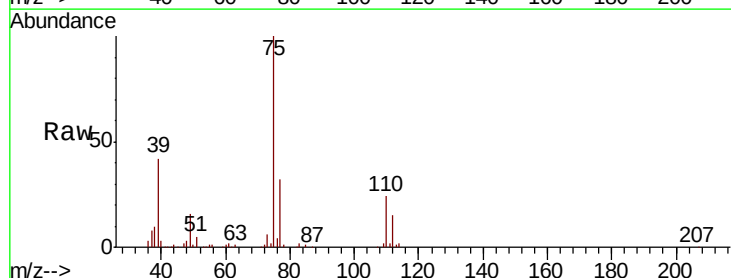
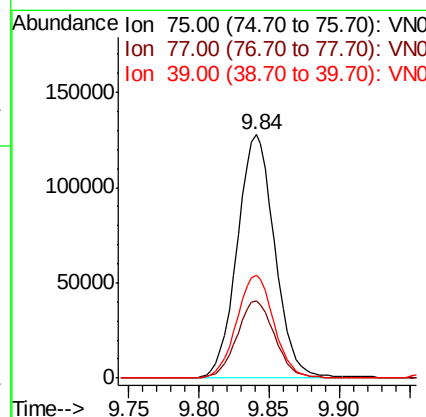
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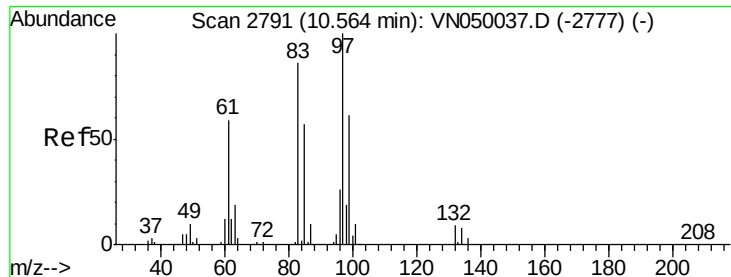
MMDadoda
8/25/2018 1:18:26 PM



#49
cis-1,3-Dichloropropene
Concen: 21.476 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Tgt Ion: 75 Resp: 237931
Ion Ratio Lower Upper
75 100
77 31.6 25.7 38.5
39 42.3 36.3 54.5





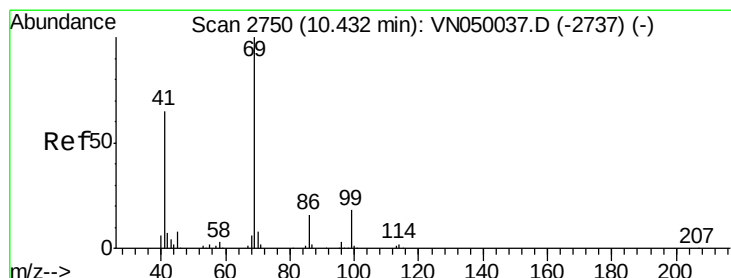
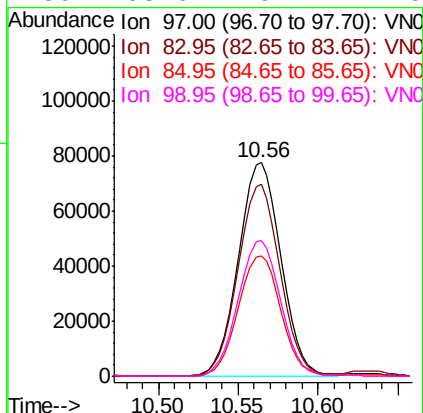
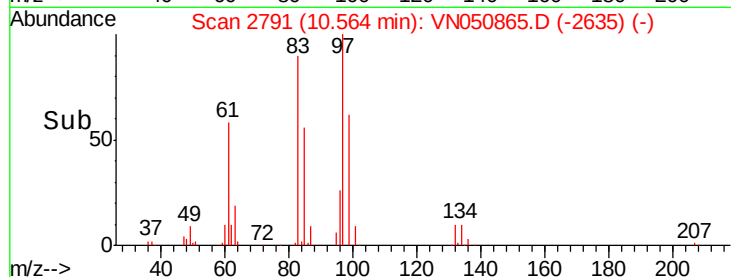
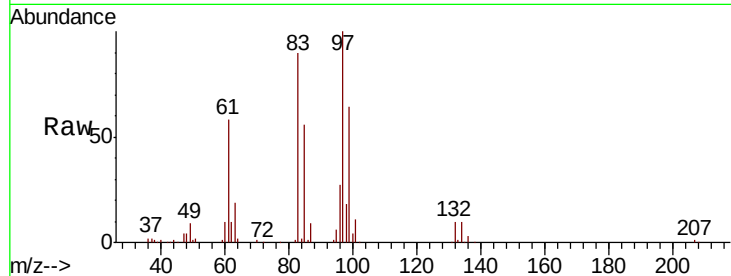
#50
 1,1,2-Trichloroethane
 Concen: 20.956 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	141060		
83	89.8	68.1	102.1	
85	56.3	45.4	68.2	
99	63.6	49.4	74.0	

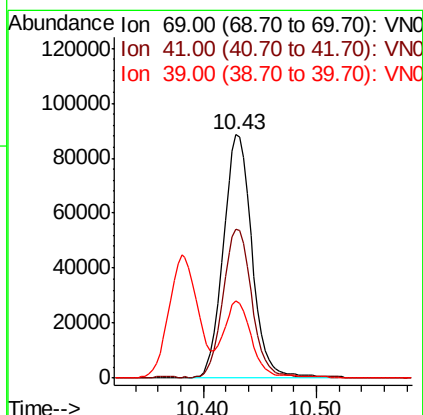
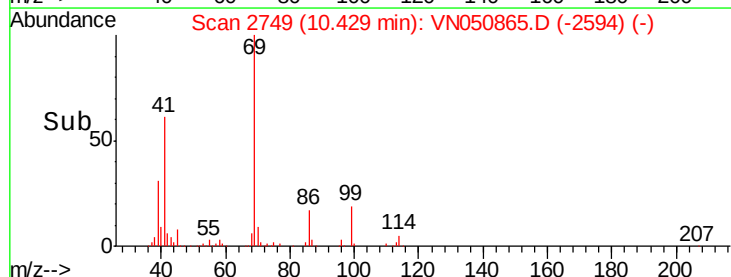
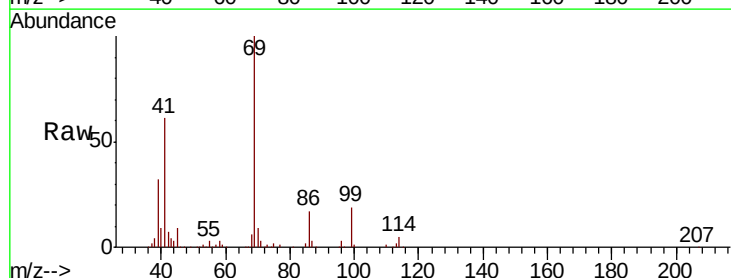
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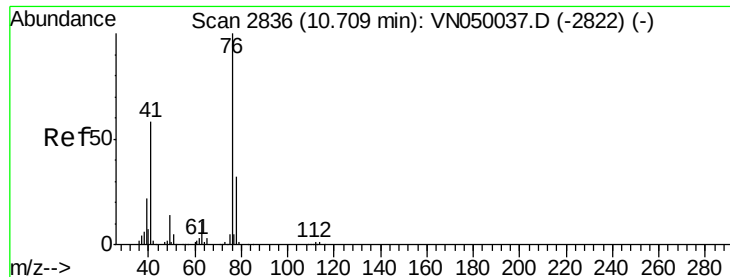
MMDadoda
 8/25/2018 1:18:26 PM



#51
 Ethyl methacrylate
 Concen: 19.131 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	156306		
41	60.6	31.9	95.9	
39	31.5	16.7	50.1	





#52

1,3-Dichloropropane

Concen: 21.142 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tgt Ion: 76 Resp: 233694

Ion Ratio Lower Upper

76 100

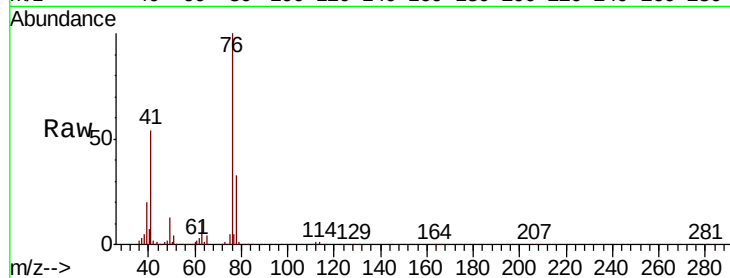
78 32.5 0.0 65.6

Manual Integrations

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Abundance Ion 76.00 (75.70 to 76.70): VN050037.D (-2822) (-)

Ion 78.00 (77.70 to 78.70): VN050037.D (-2822) (-)

150000

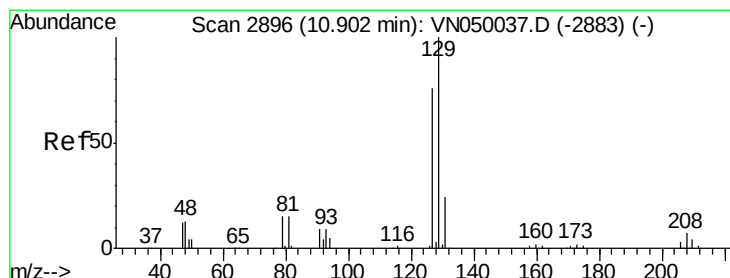
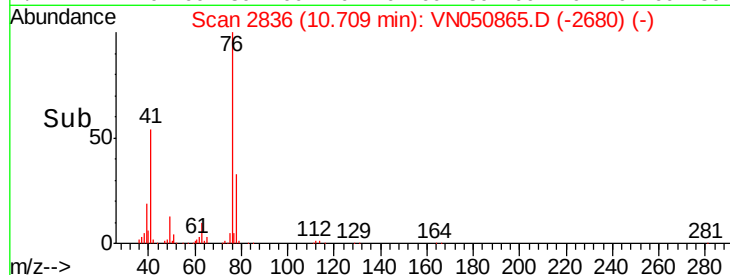
10.71

100000

50000

0

Time-->



#53

Dibromochloromethane

Concen: 20.483 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VN050865.D

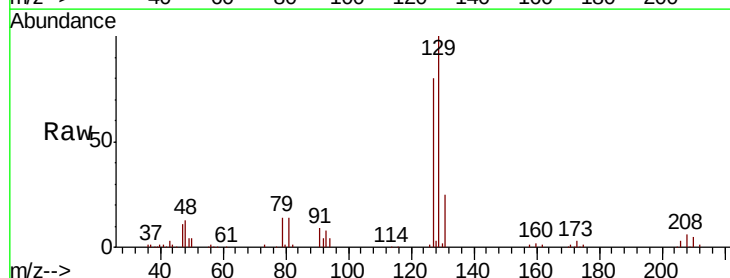
Acq: 24 Aug 2018 10:02

Tgt Ion: 129 Resp: 156473

Ion Ratio Lower Upper

129 100

127 79.1 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): VN050037.D (-2883) (-)

Ion 127.00 (126.70 to 127.70): VN050037.D (-2883) (-)

100000

10.90

80000

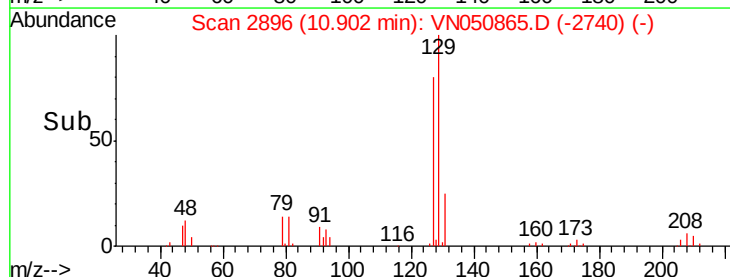
60000

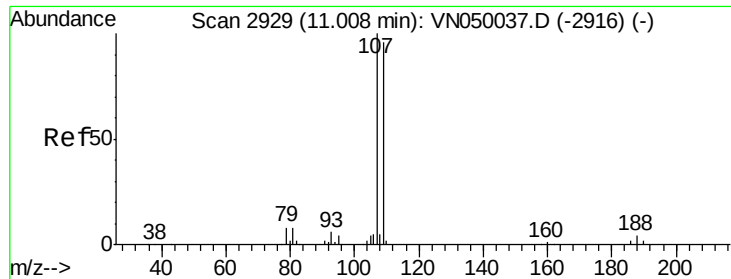
40000

20000

0

Time-->





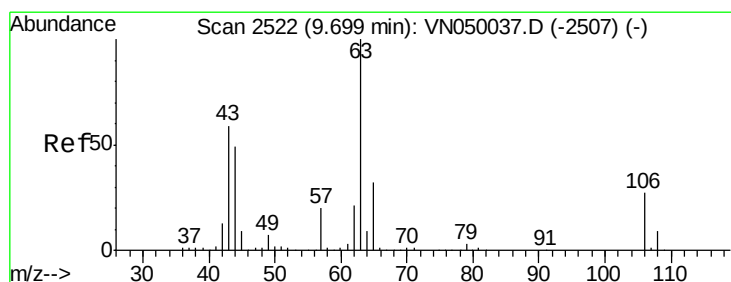
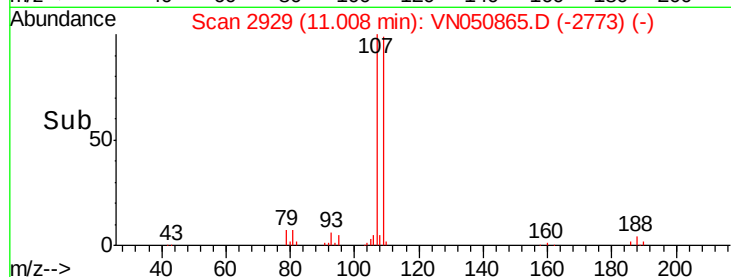
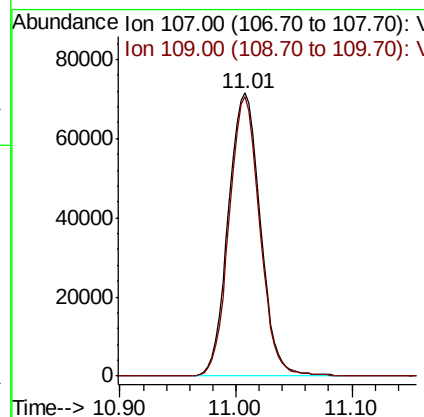
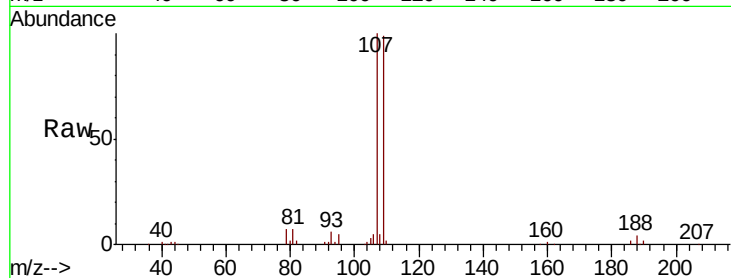
#54
 1,2-Dibromoethane
 Concen: 20.742 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tgt Ion: 107 Resp: 136744
 Ion Ratio Lower Upper
 107 100
 109 94.1 76.2 114.2

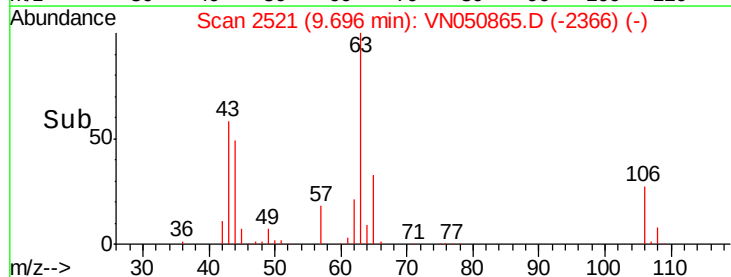
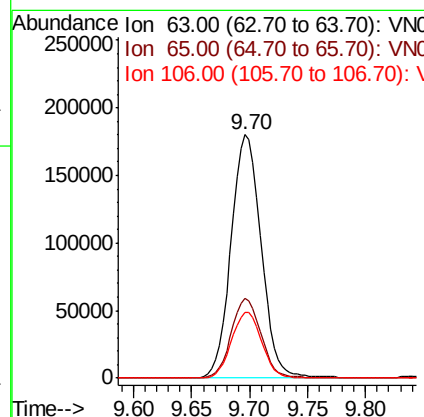
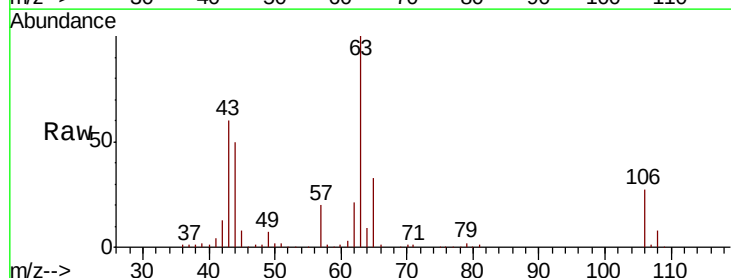
Manual Integrations
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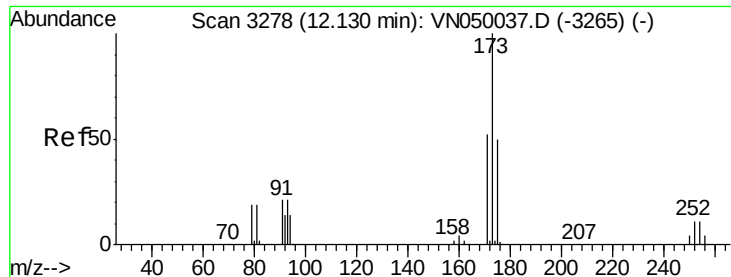
MMDadoda
 8/25/2018 1:18:26 PM



#55
 2-Chloroethyl vinyl ether
 Concen: 88.078 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Tgt Ion: 63 Resp: 325689
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.5 38.3
 106 27.1 21.8 32.6





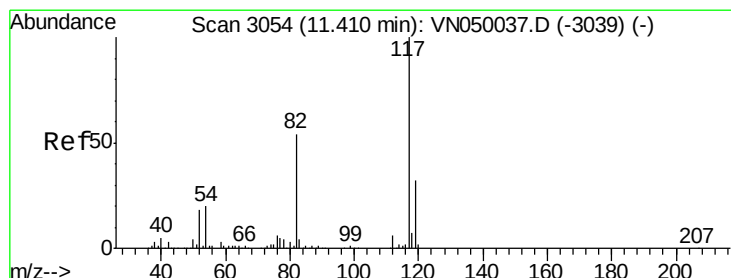
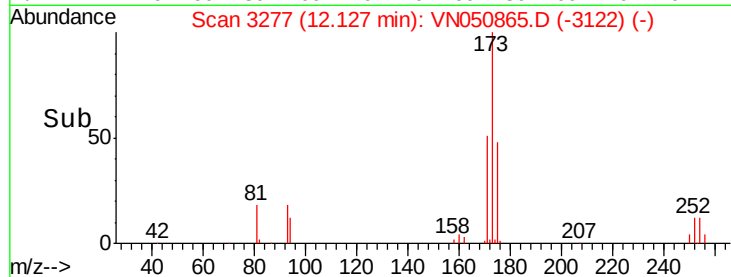
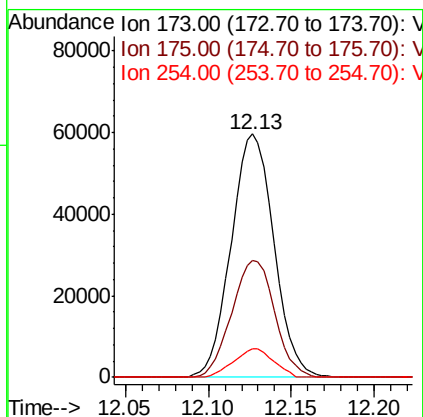
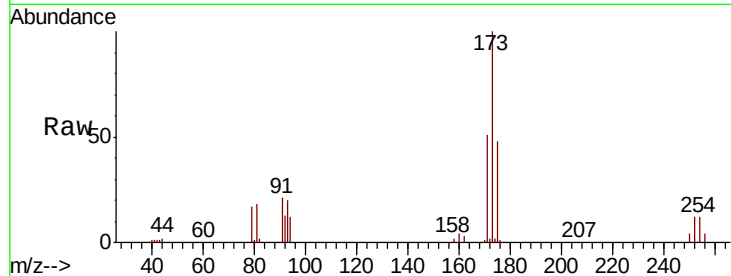
#56
Bromoform
Concen: 19.840 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	38.6	57.8
254	10.9	8.8	13.2

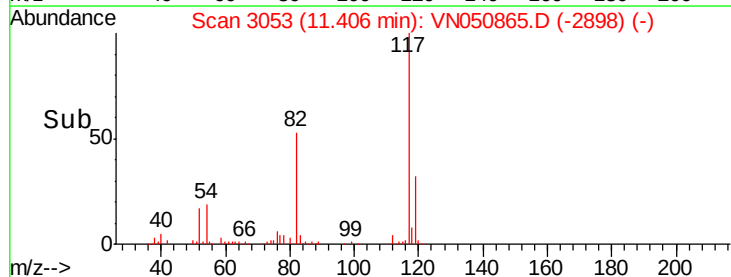
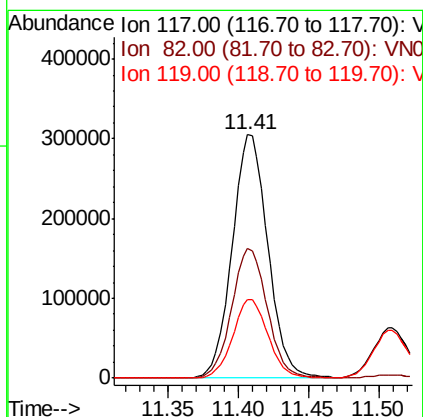
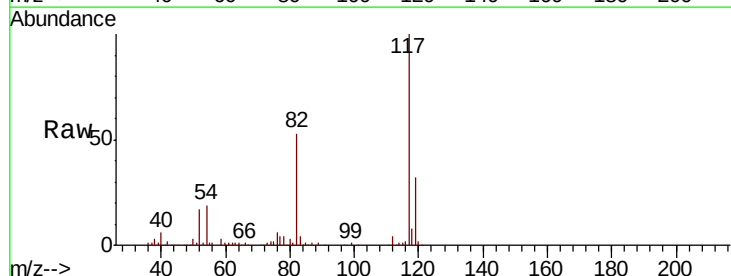
Manual Integrations
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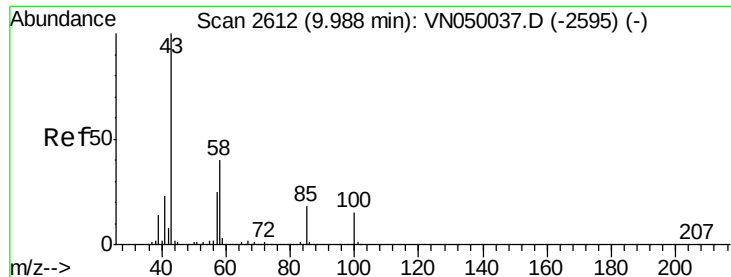
MMDadoda
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#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.4	63.6
119	32.0	25.4	38.0





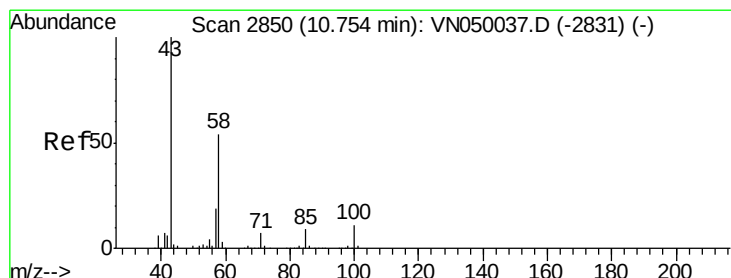
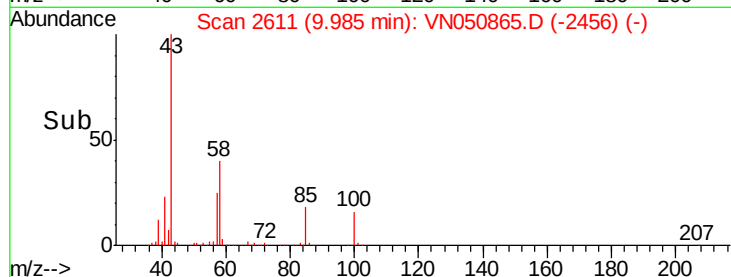
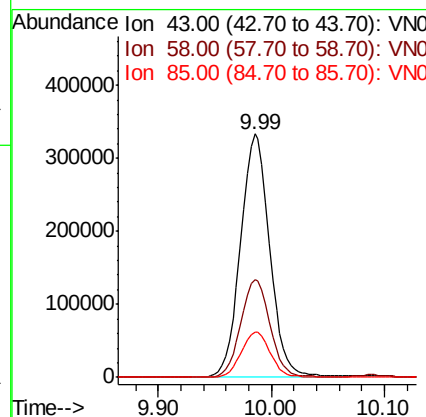
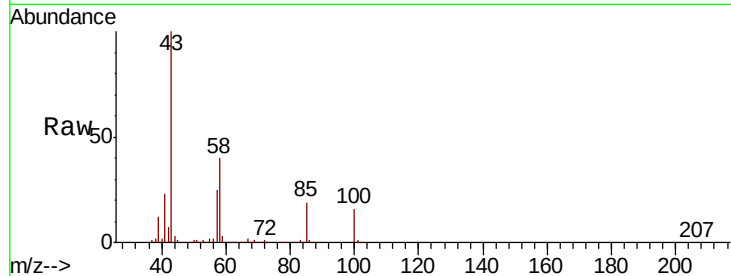
#58
 4-Methyl-2-Pentanone
 Concen: 94.999 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	598252		
58	40.6		31.2	46.8
85	18.6		14.4	21.6

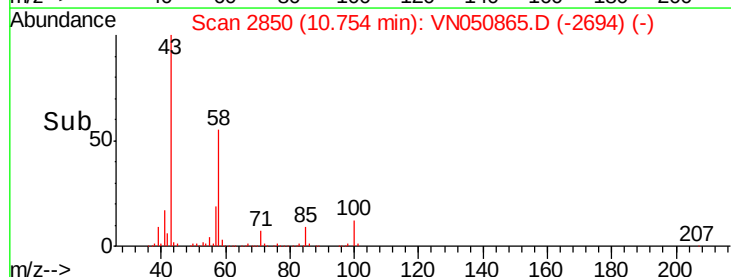
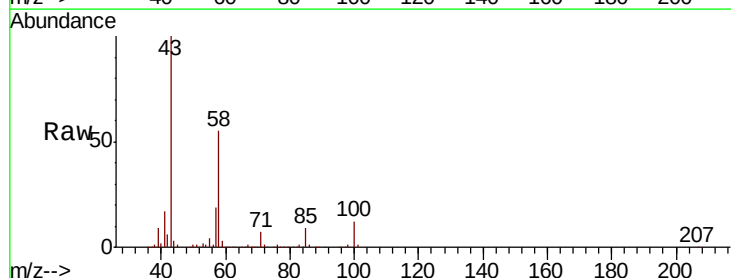
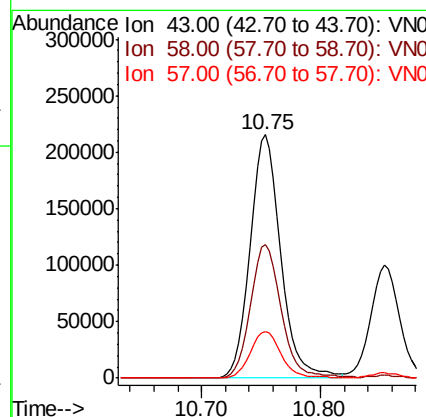
Manual Integrations
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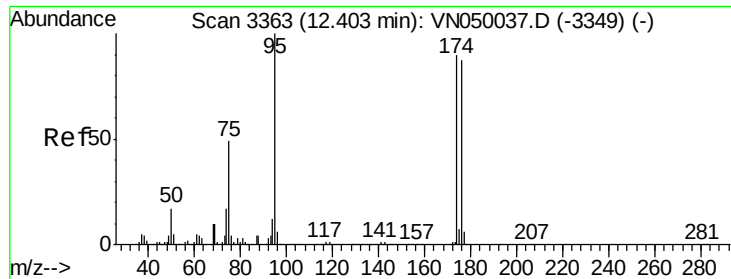
MMDadoda
 8/25/2018 1:18:26 PM



#59
 2-Hexanone
 Concen: 89.202 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	383233		
58	55.6		43.8	65.8
57	19.5		15.1	22.7





#60

4-Bromofluorobenzene

Concen: 29.361 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Instrument :

MSVOA_N

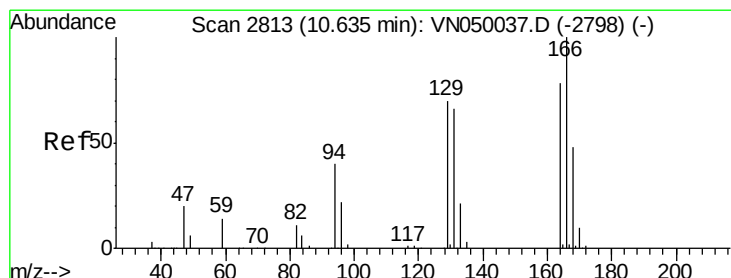
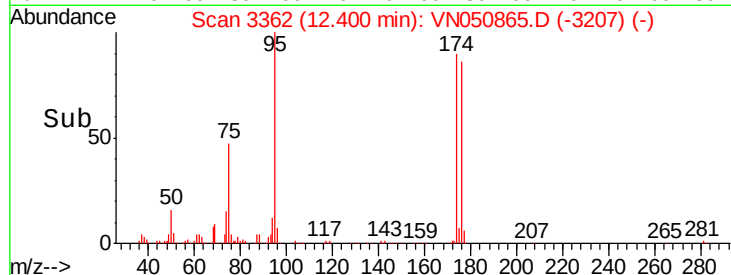
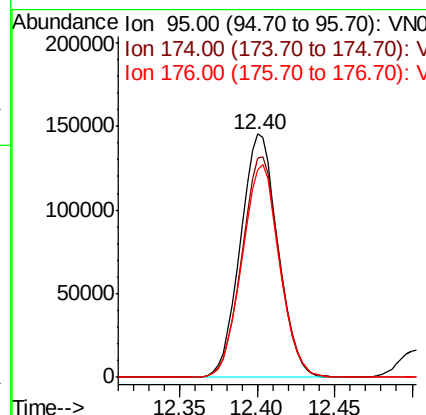
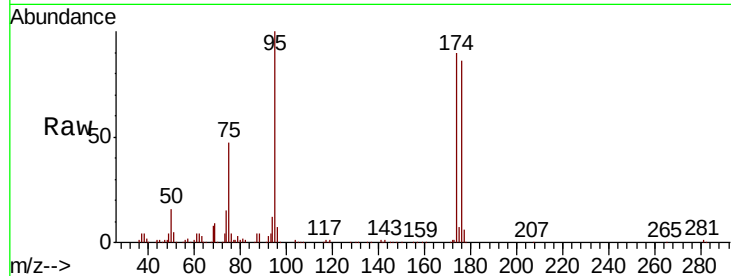
ClientSampleId :

VN0824WBSD01

Tgt Ion:	95	Resp:	244123
Ion Ratio	Lower	Upper	
95	100		
174	91.3	72.3	108.5
176	87.8	70.0	105.0

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#61

Tetrachloroethene

Concen: 20.616 ug/l

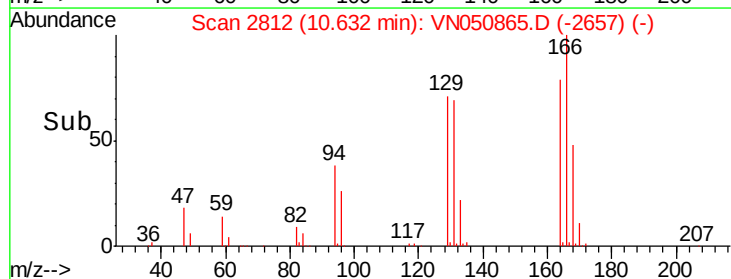
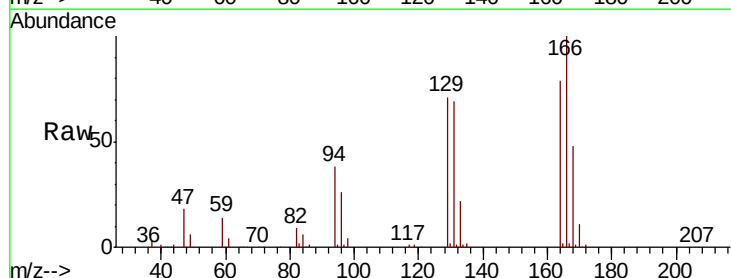
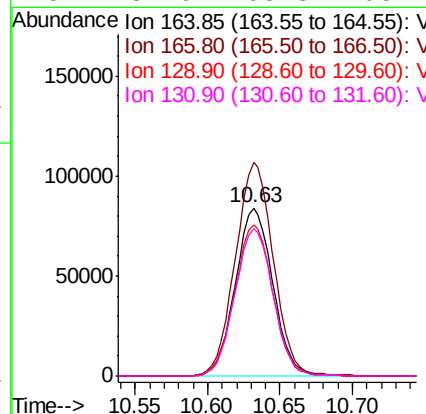
RT: 10.63 min Scan# 2812

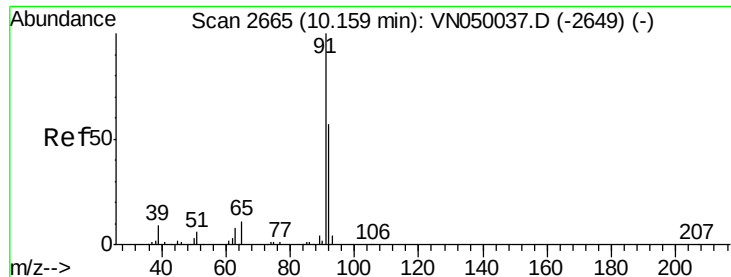
Delta R.T. -0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Tgt Ion:	164	Resp:	151129
Ion Ratio	Lower	Upper	
164	100		
166	127.1	100.0	150.0
129	90.0	69.3	103.9
131	87.9	68.8	103.2





#62

Toluene

Concen: 22.133 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tgt Ion: 91 Resp: 683412

Ion Ratio Lower Upper

91 100

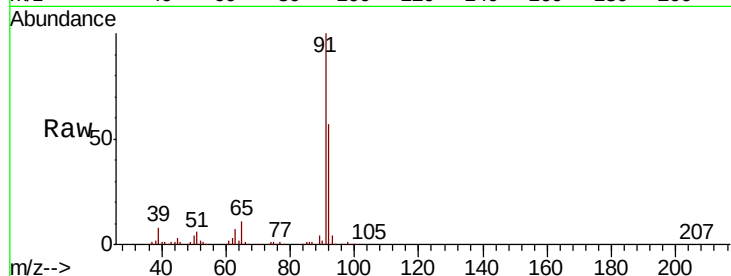
92 56.6 45.7 68.5

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

10.16

400000

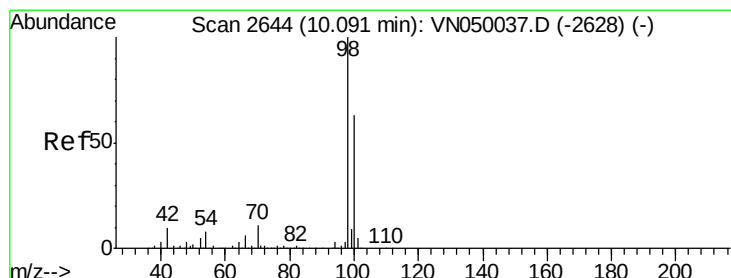
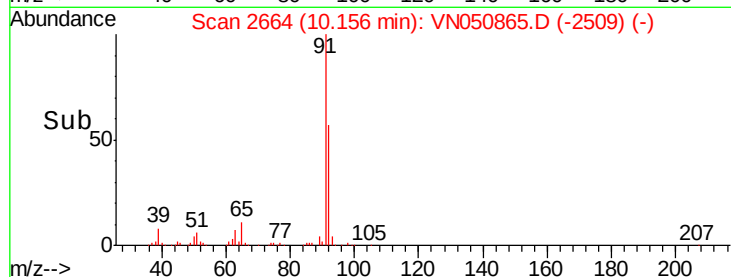
300000

200000

100000

0

Time-->



#63

Toluene-d8

Concen: 30.159 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050865.D

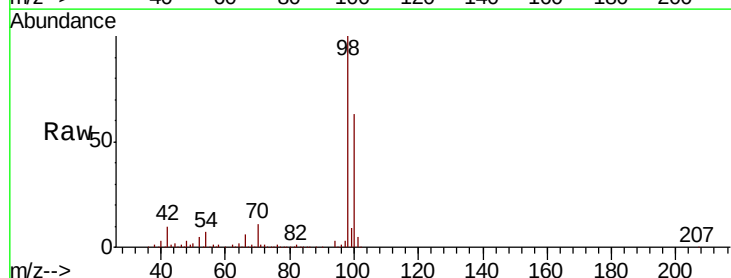
Acq: 24 Aug 2018 10:02

Tgt Ion: 98 Resp: 779634

Ion Ratio Lower Upper

98 100

100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.09

500000

400000

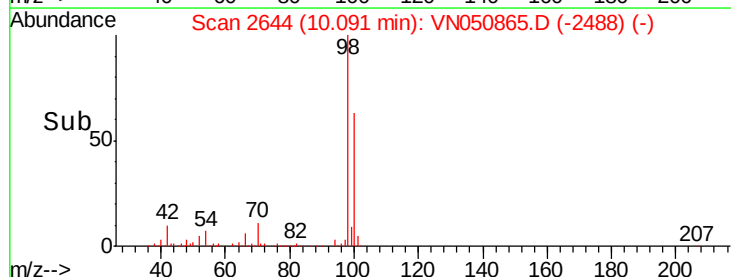
300000

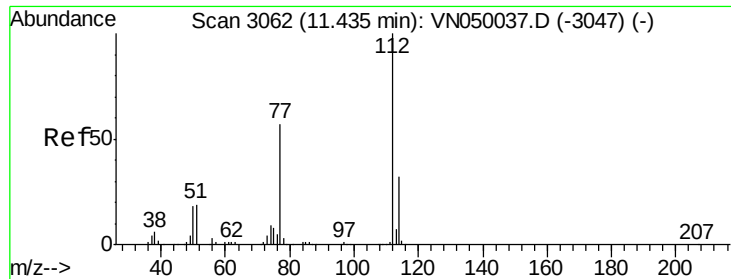
200000

100000

0

Time-->





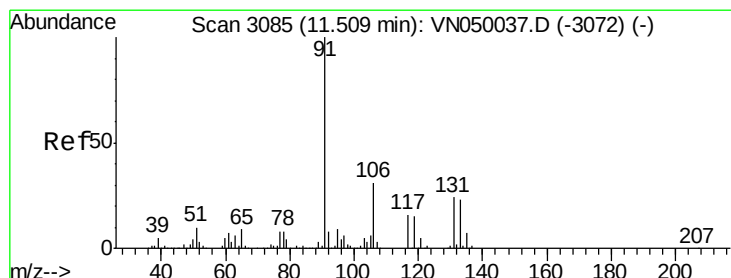
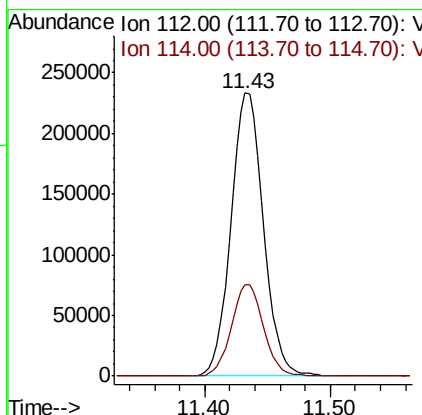
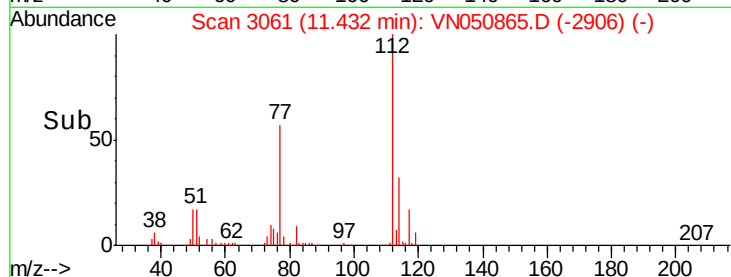
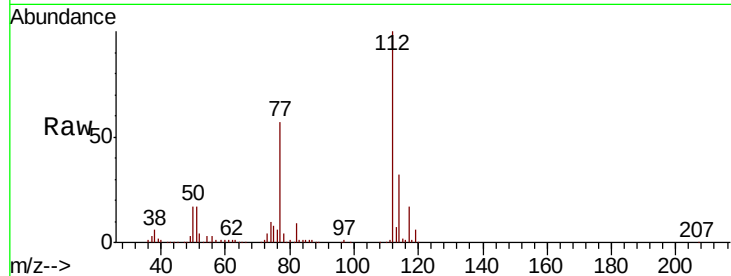
#64
Chlorobenzene
Concen: 22.360 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Instrument :
MSVOA_N
ClientSampled :
VN0824WBSD01

Tgt Ion:112 Resp: 418683
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.2

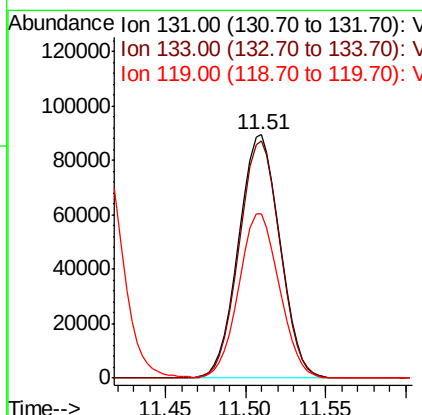
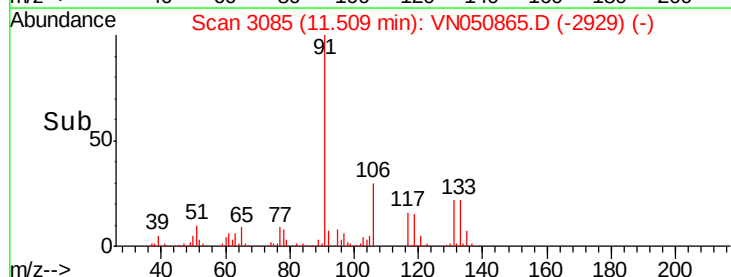
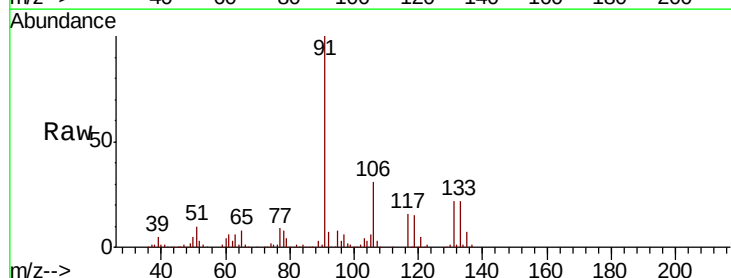
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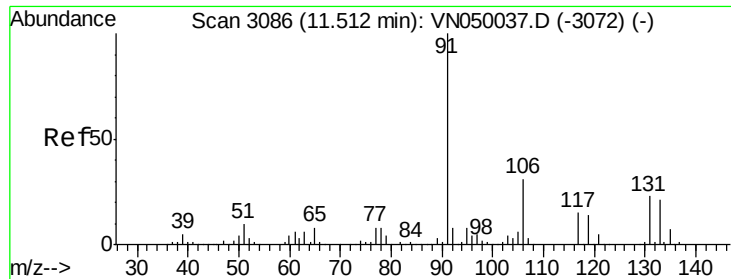
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#65
1,1,1,2-Tetrachloroethane
Concen: 21.553 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Tgt Ion:131 Resp: 157407
Ion Ratio Lower Upper
131 100
133 96.8 0.0 190.0
119 66.1 0.0 131.6





#66

Ethyl Benzene

Concen: 21.764 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tgt Ion: 91 Resp: 686783

Ion Ratio Lower Upper

91 100

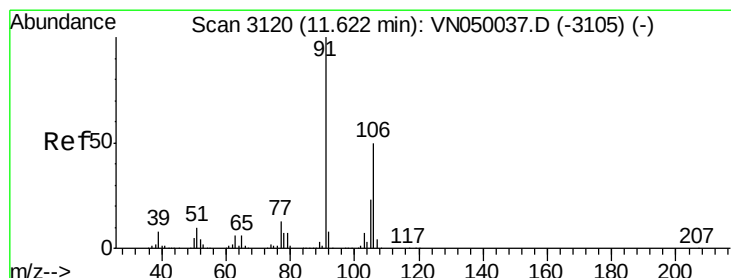
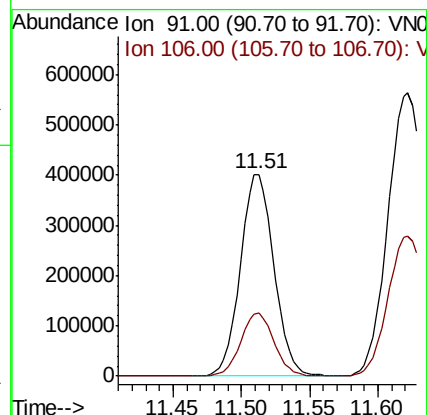
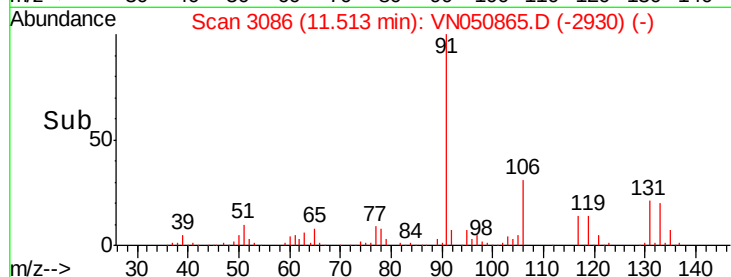
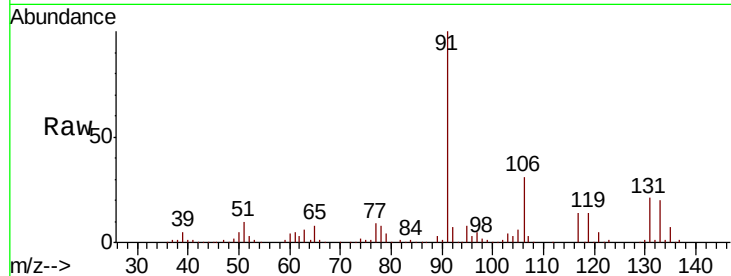
106 31.3 25.1 37.7

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#67

m/p-Xylenes

Concen: 44.810 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050865.D

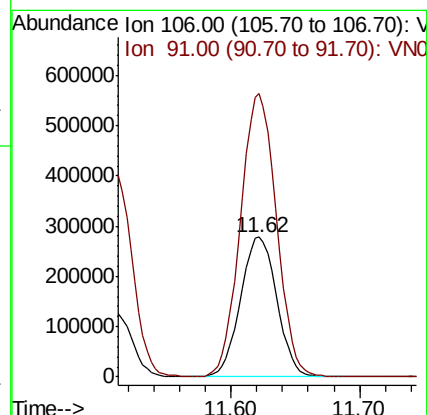
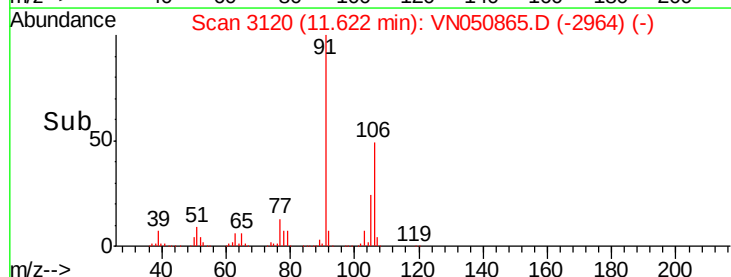
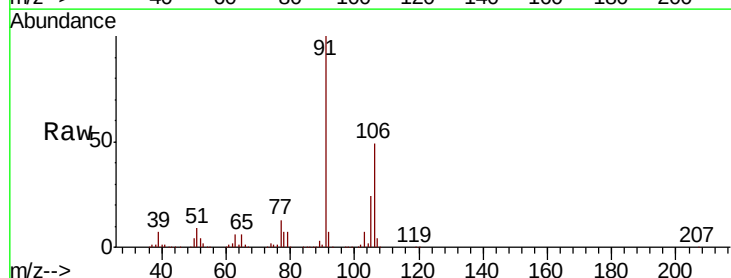
Acq: 24 Aug 2018 10:02

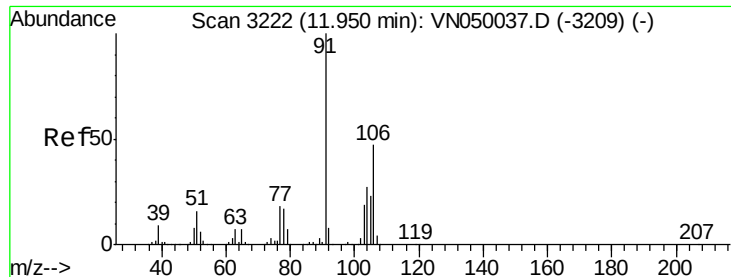
Tgt Ion: 106 Resp: 544158

Ion Ratio Lower Upper

106 100

91 200.6 162.5 243.7





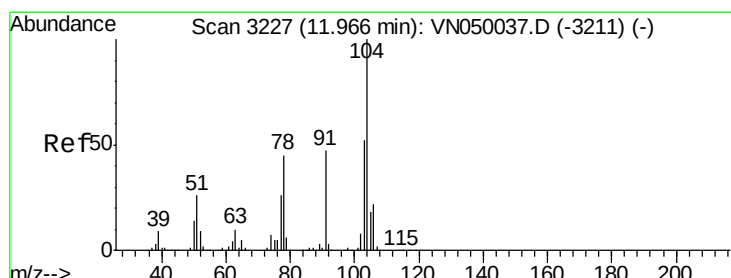
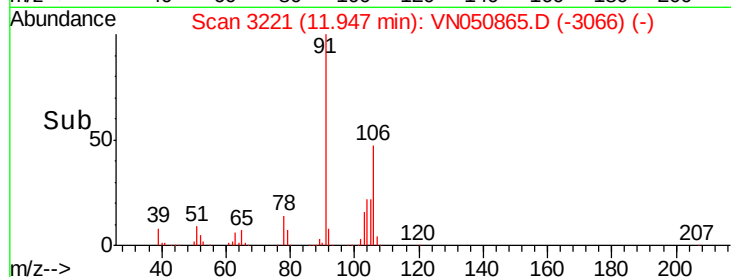
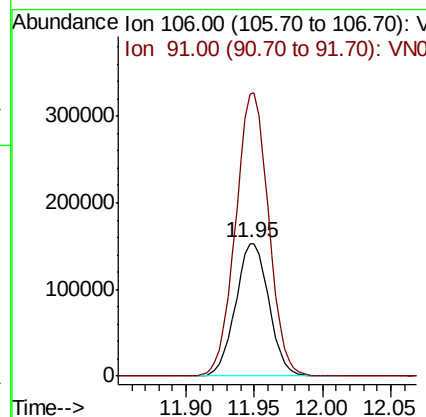
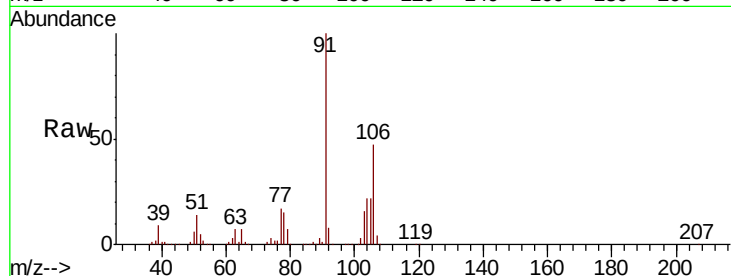
#68
o-Xylene
Concen: 22.400 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tgt Ion:106 Resp: 258812
Ion Ratio Lower Upper
106 100
91 212.1 106.8 320.4

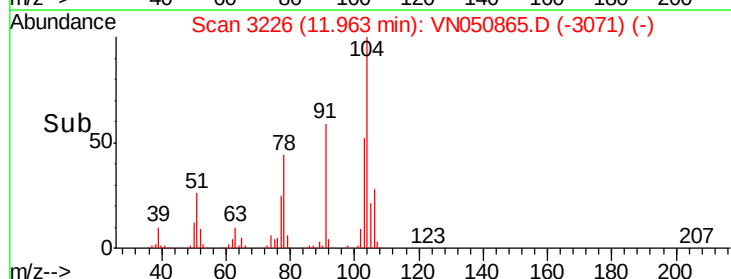
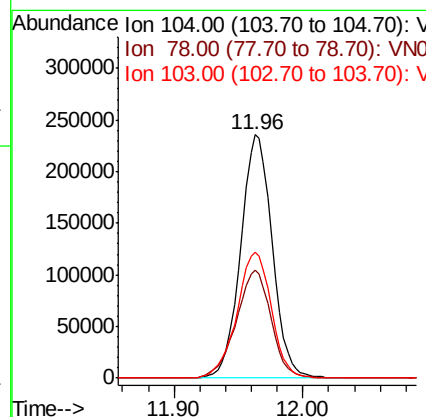
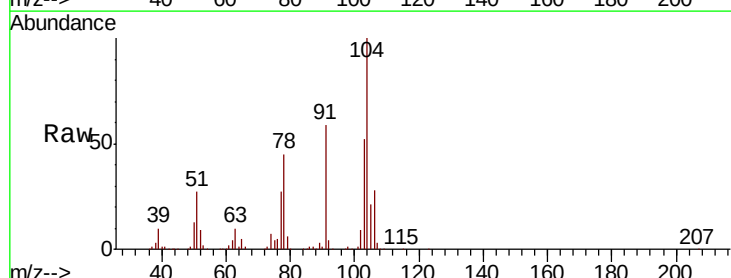
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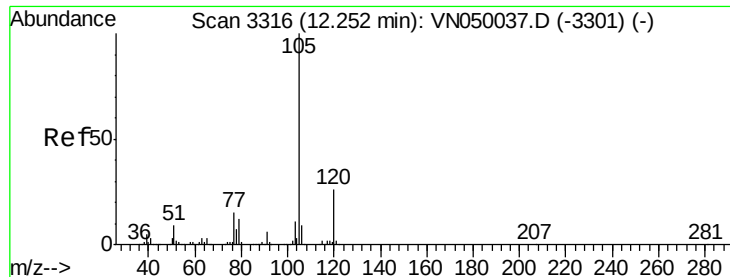
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#69
Styrene
Concen: 21.670 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Tgt Ion:104 Resp: 401382
Ion Ratio Lower Upper
104 100
78 49.0 39.3 58.9
103 56.3 44.5 66.7





#70

Isopropylbenzene

Concen: 22.023 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tgt Ion: 105 Resp: 677683

Ion Ratio Lower Upper

105 100

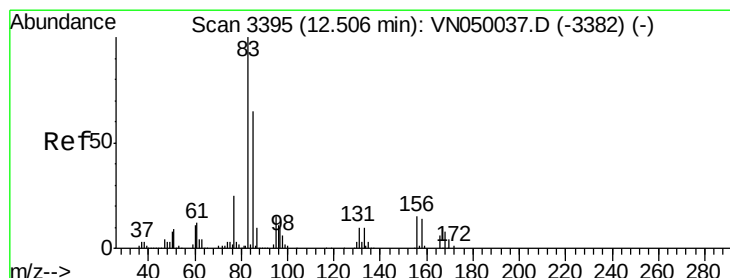
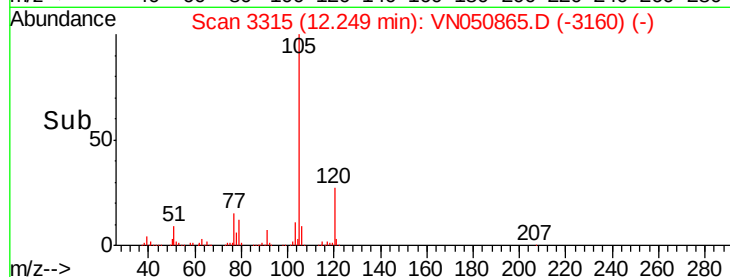
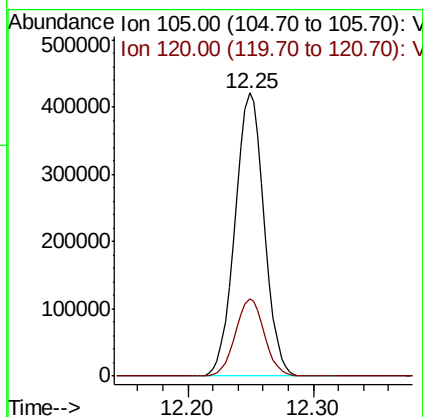
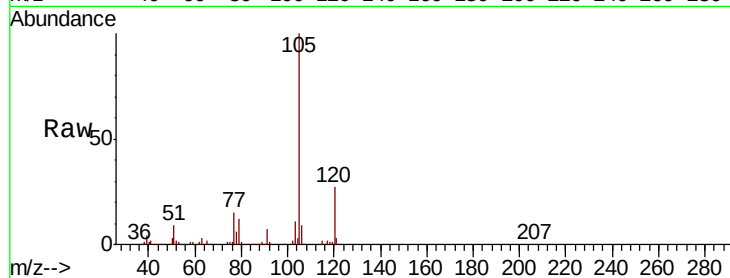
120 27.0 18.9 35.1

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#71

1,1,2,2-Tetrachloroethane

Concen: 20.880 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

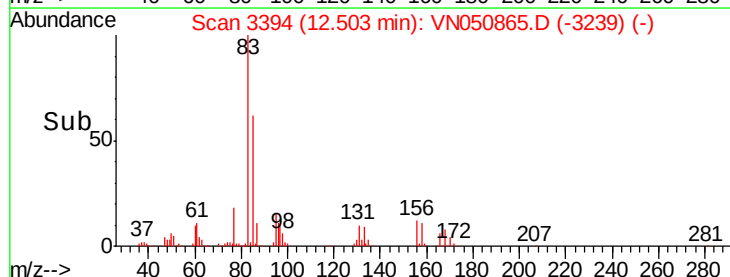
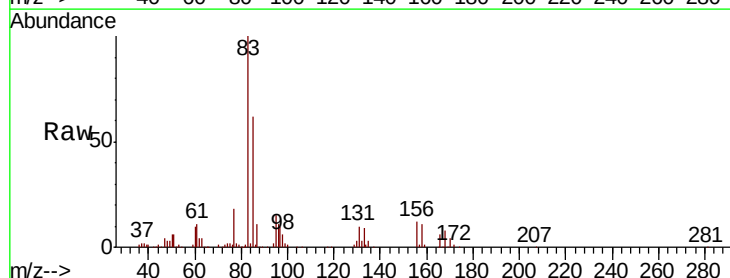
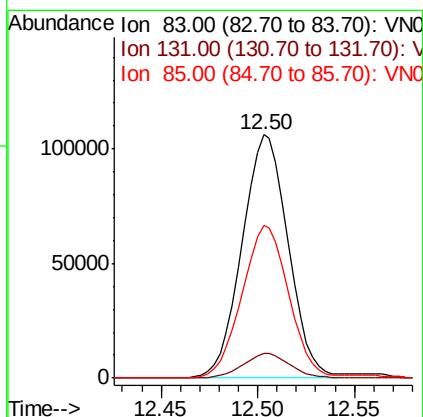
Tgt Ion: 83 Resp: 176406

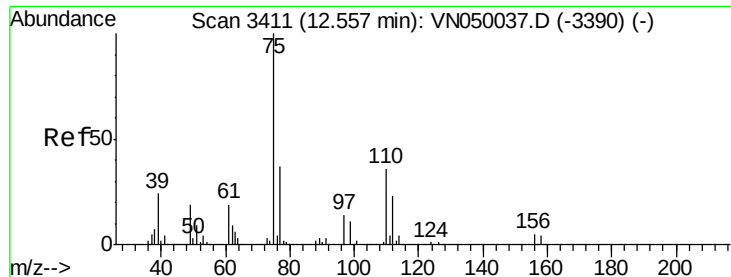
Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

85 63.4 31.7 95.1





#72

1,2,3-Trichloropropane

Concen: 19.761 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Instrument :

MSVOA_N

ClientSampled :

VN0824WBSD01

Tgt Ion: 75 Resp: 142594

Ion Ratio Lower Upper

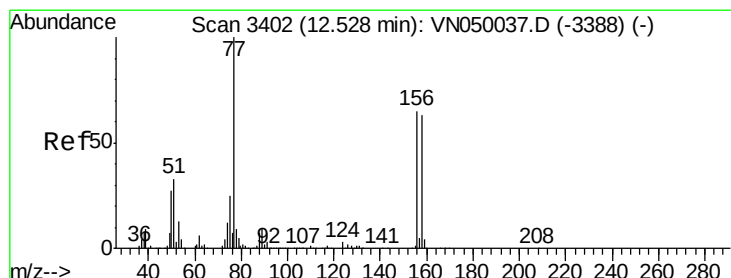
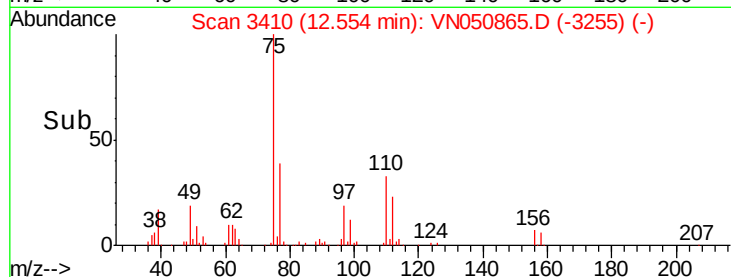
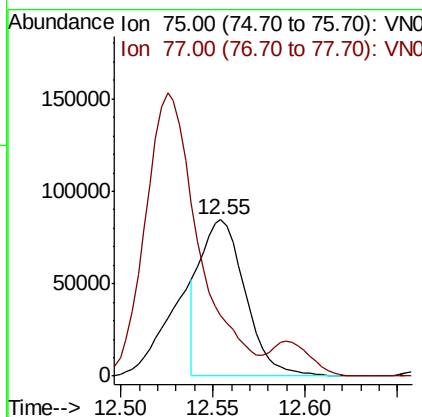
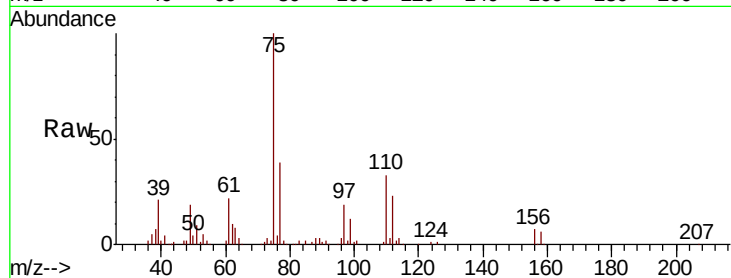
75 100

77 217.5 0.0 454.4

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#73

Bromobenzene

Concen: 21.783 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

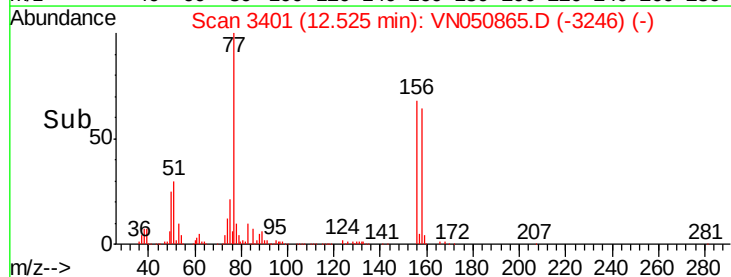
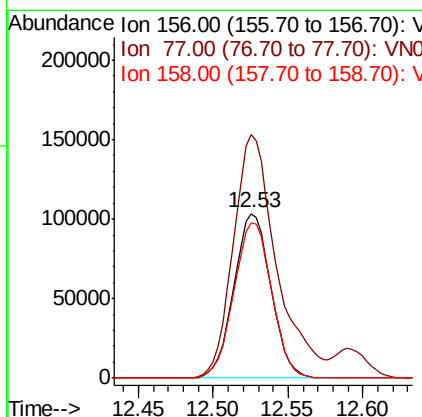
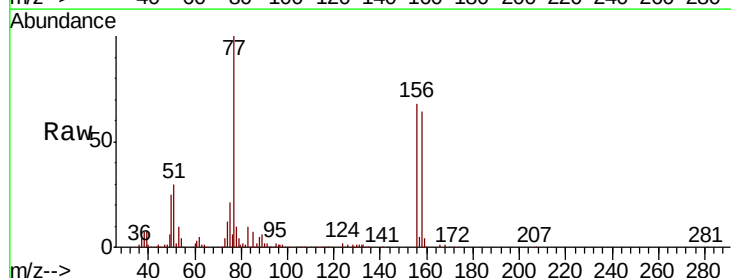
Tgt Ion: 156 Resp: 178557

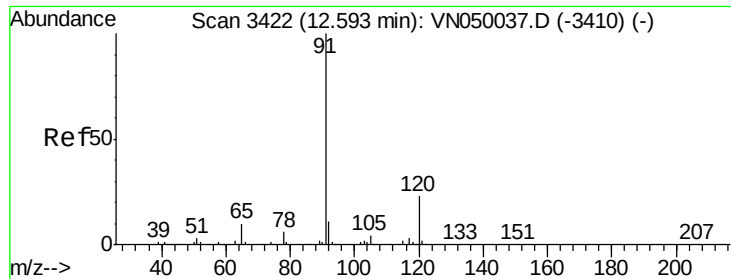
Ion Ratio Lower Upper

156 100

77 173.7 0.0 359.8

158 96.3 0.0 192.8





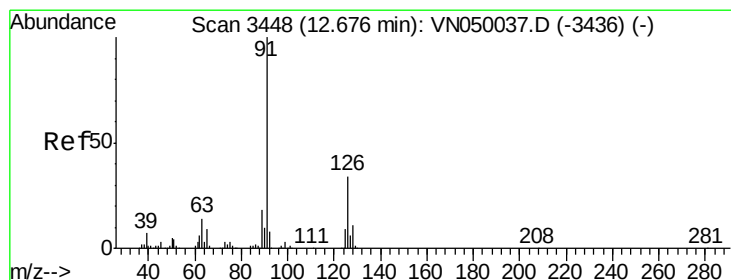
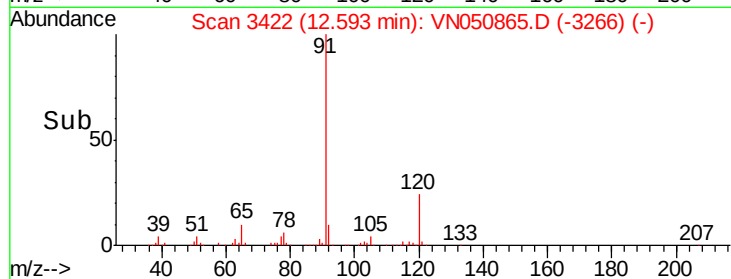
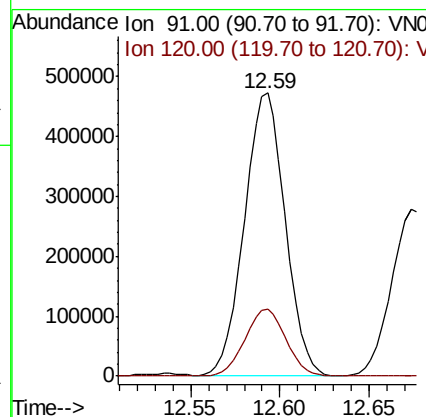
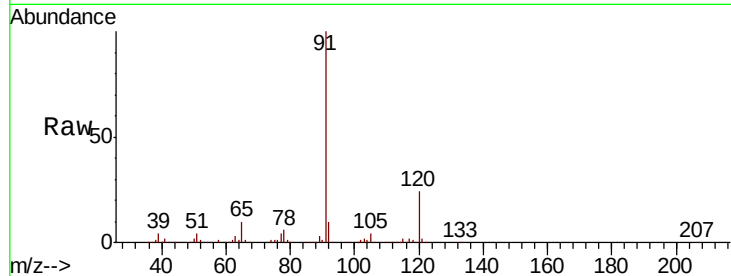
#74
n-propylbenzene
Concen: 21.128 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Instrument :
MSVOA_N
ClientSampled :
VN0824WBSD01

Tgt Ion: 91 Resp: 757195
Ion Ratio Lower Upper
91 100
120 23.6 0.0 46.4

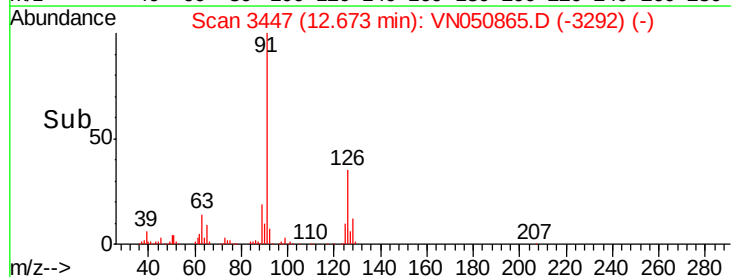
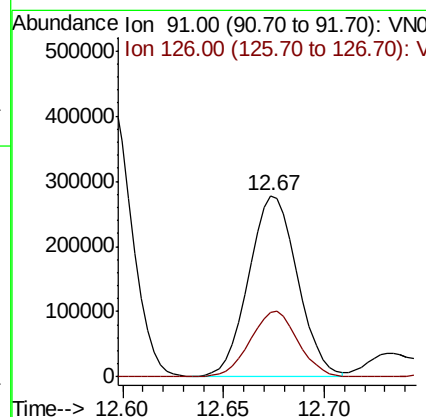
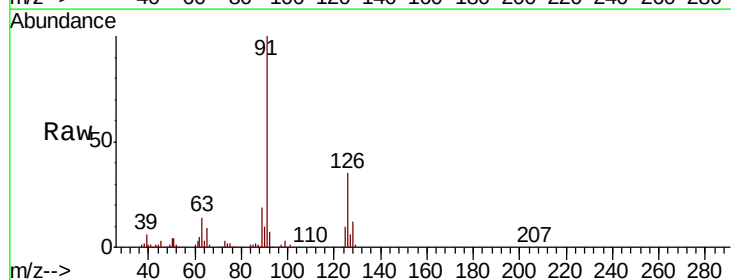
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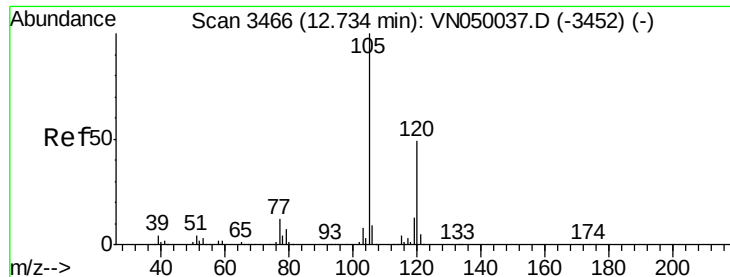
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#75
2-Chlorotoluene
Concen: 21.830 ug/l
RT: 12.67 min Scan# 3447
Delta R.T. -0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Tgt Ion: 91 Resp: 469903
Ion Ratio Lower Upper
91 100
126 35.5 0.0 68.6





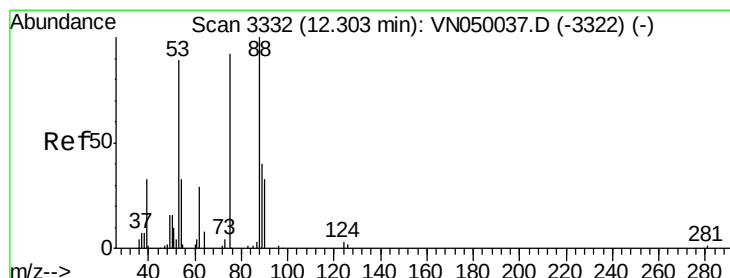
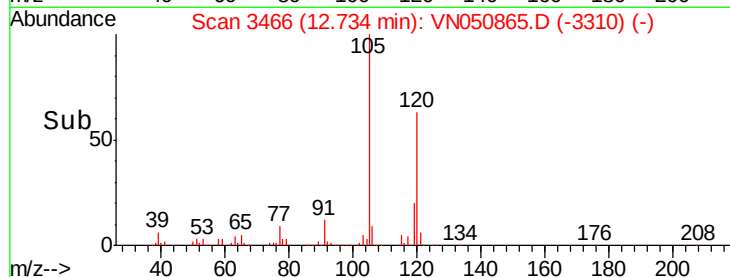
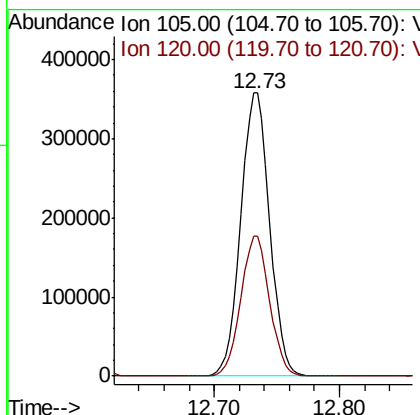
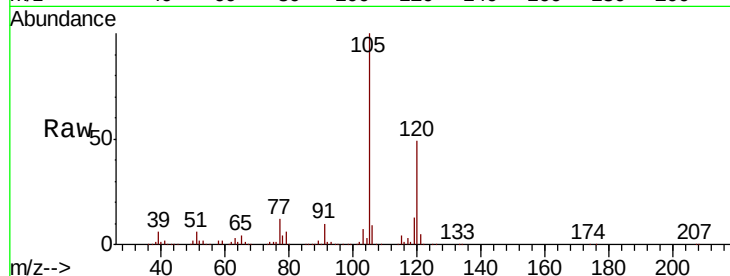
#76
 1,3,5-Trimethylbenzene
 Concen: 22.592 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	570993		
120	49.3	0.0	98.0	

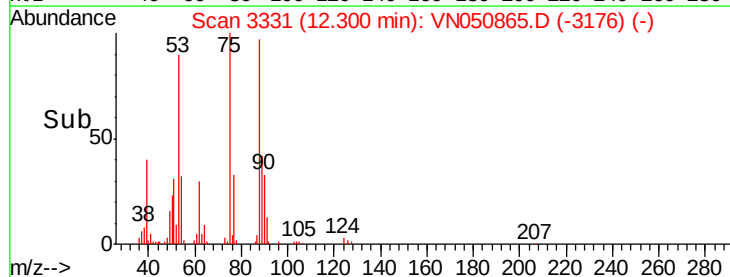
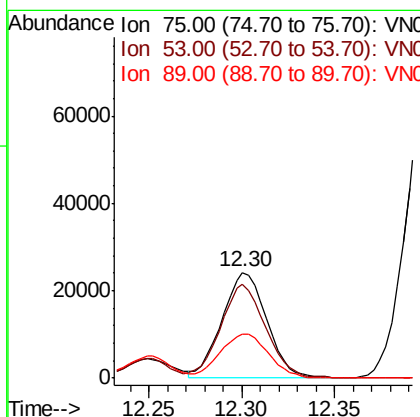
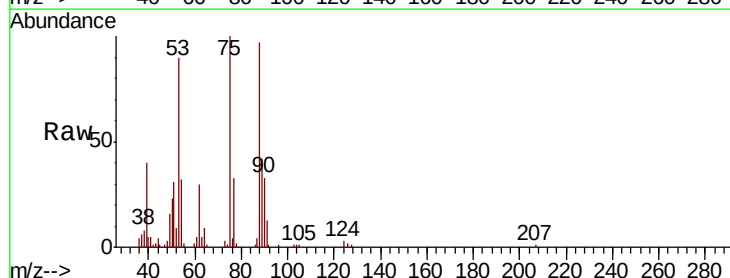
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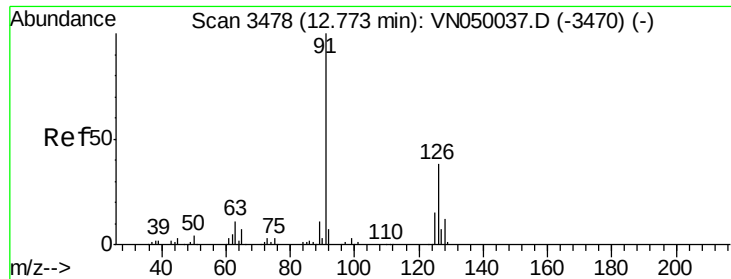
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#77
 t-1,4-Dichloro-2-butene
 Concen: 17.204 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. -0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	40587		
53	88.9	44.6	134.0	
89	41.7	20.7	62.1	





#78

4-Chlorotoluene

Concen: 21.318 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tgt Ion: 91 Resp: 454739

Ion Ratio Lower Upper

91 100

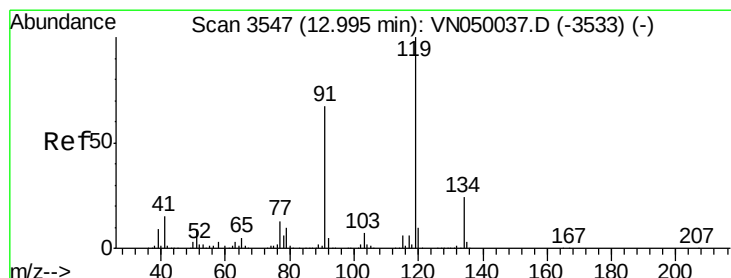
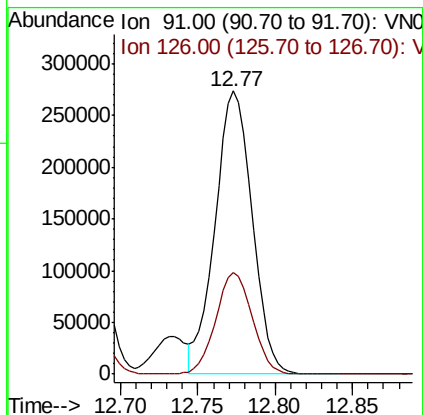
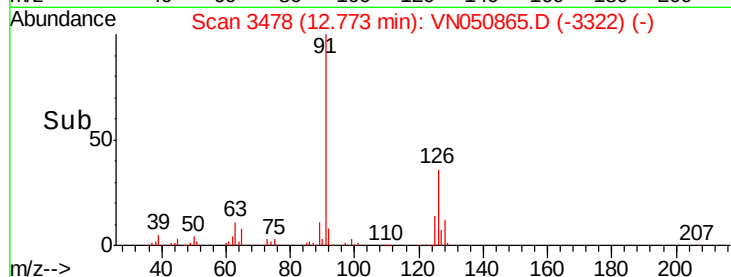
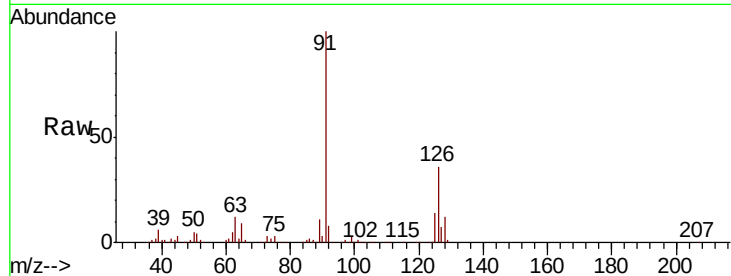
126 35.3 0.0 68.4

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#79

tert-butylbenzene

Concen: 21.845 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

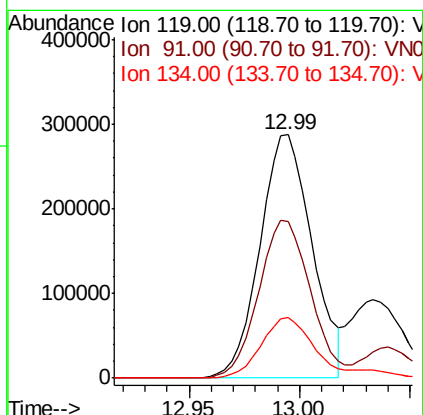
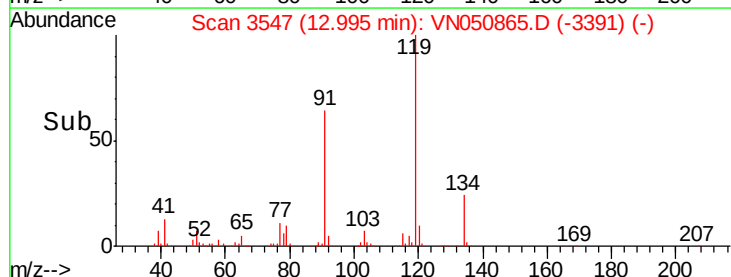
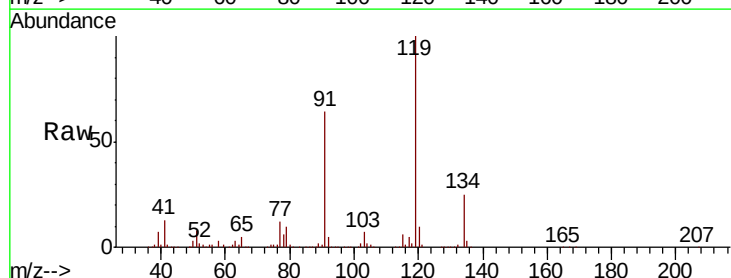
Tgt Ion: 119 Resp: 472025

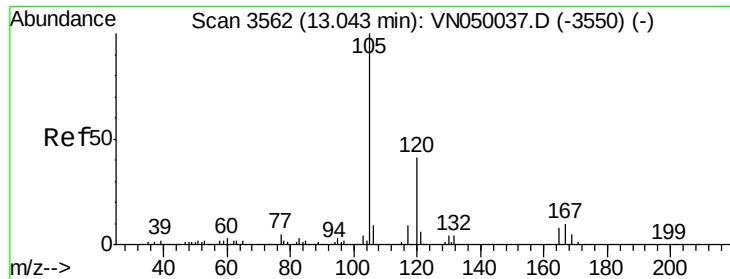
Ion Ratio Lower Upper

119 100

91 64.5 0.0 126.8

134 25.1 0.0 47.4





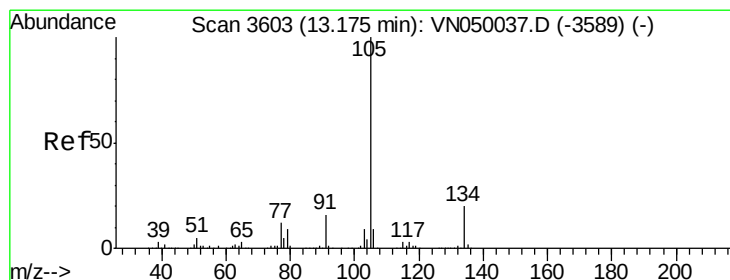
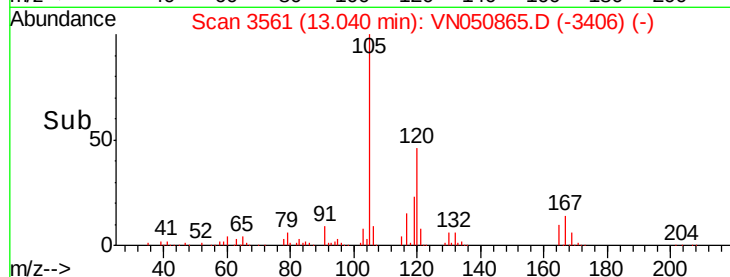
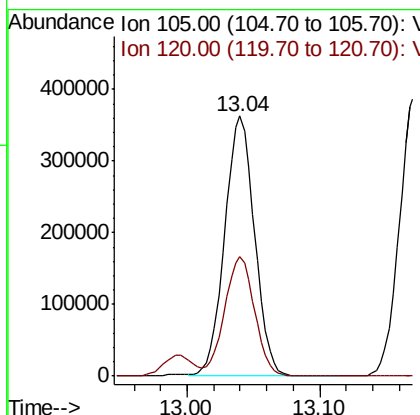
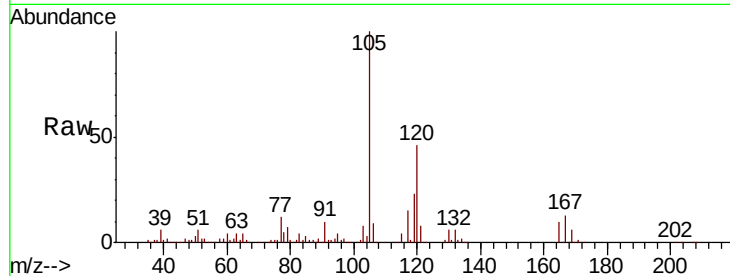
#80
 1,2,4-Trimethylbenzene
 Concen: 22.133 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	0.0	90.6

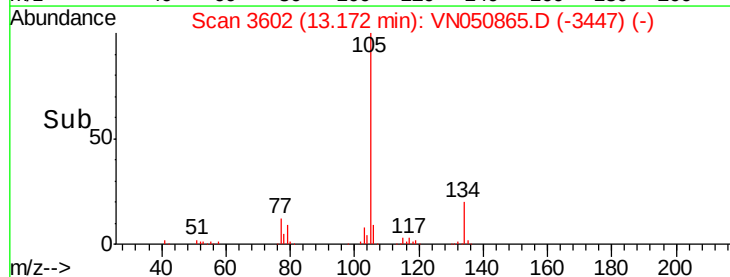
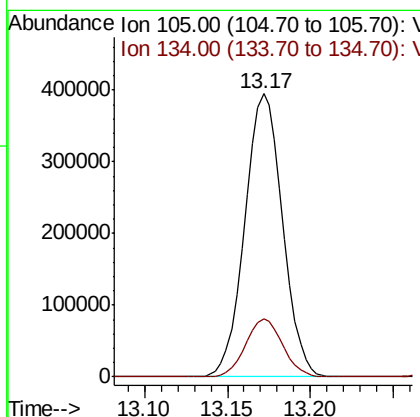
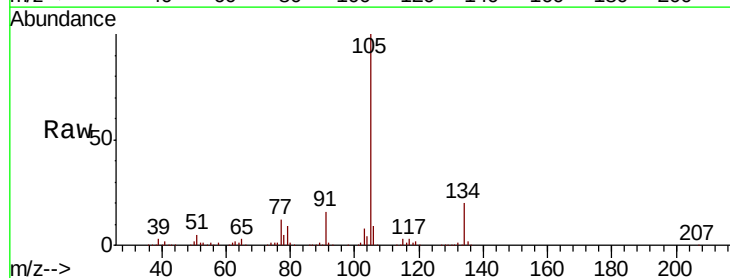
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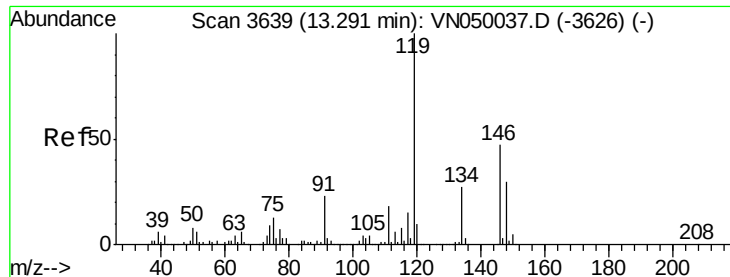
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#81
 sec-Butylbenzene
 Concen: 21.278 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.3	0.0	40.6





#82

p-Isopropyltoluene

Concen: 21.576 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Instrument :

MSVOA_N

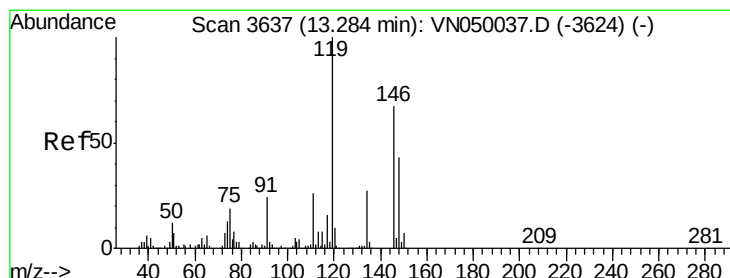
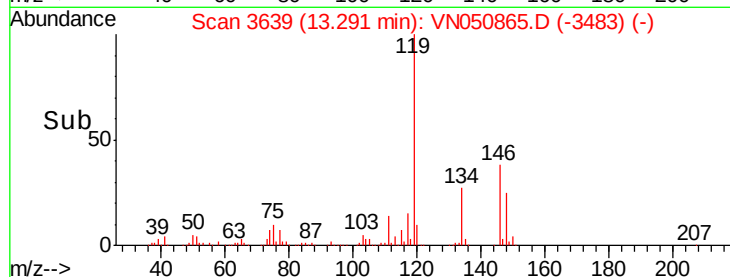
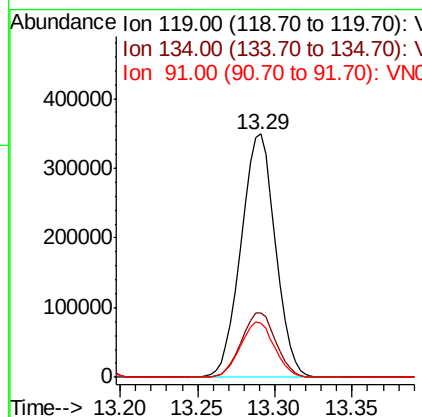
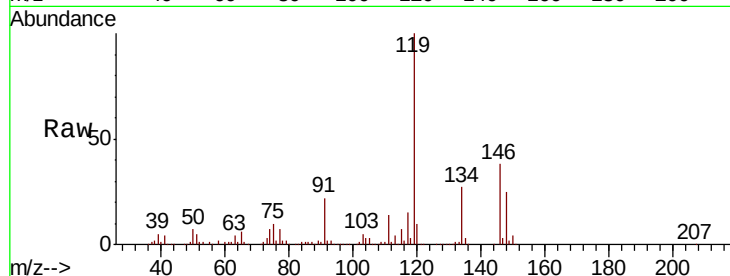
ClientSampleId :

VN0824WBSD01

Tgt Ion:	119	Resp:	540394
Ion Ratio	Lower	Upper	
119	100		
134	26.7	0.0	52.2
91	22.7	0.0	45.6

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#83

1,3-Dichlorobenzene

Concen: 20.442 ug/l

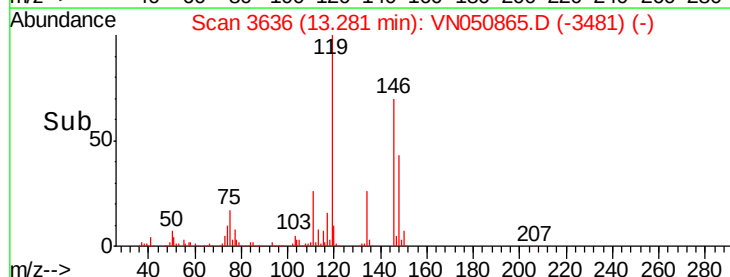
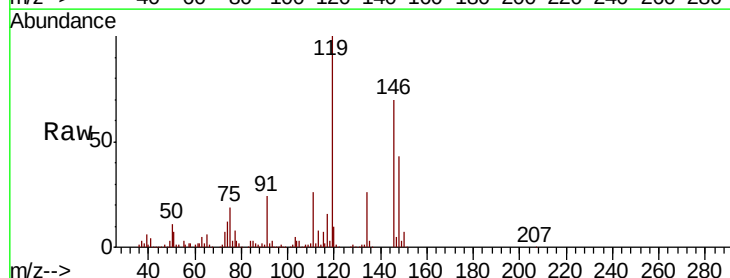
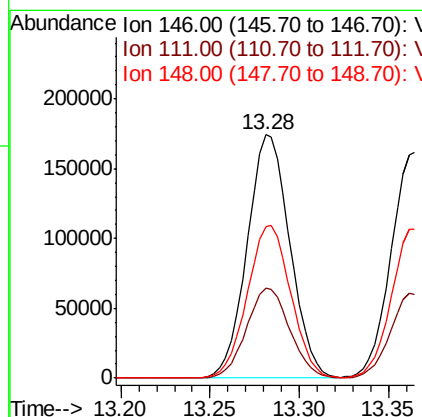
RT: 13.28 min Scan# 3636

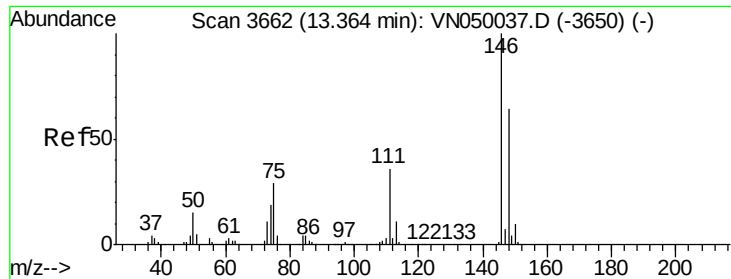
Delta R.T. -0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Tgt Ion:	146	Resp:	291771
Ion Ratio	Lower	Upper	
146	100		
111	37.5	19.1	57.1
148	63.9	31.9	95.9





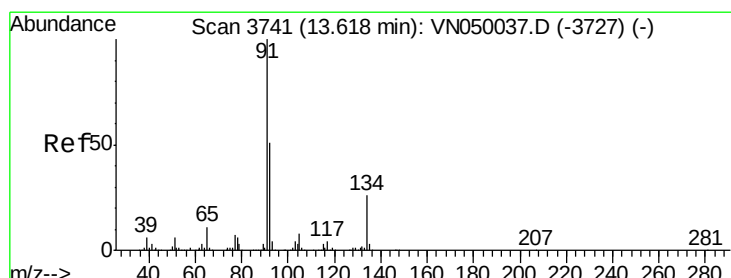
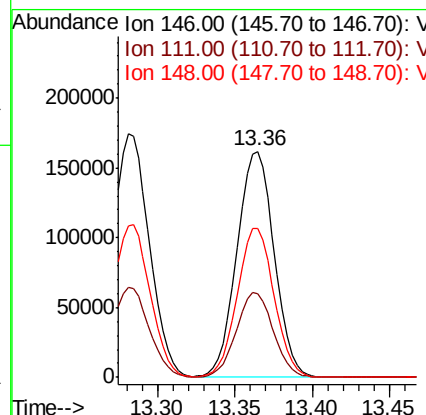
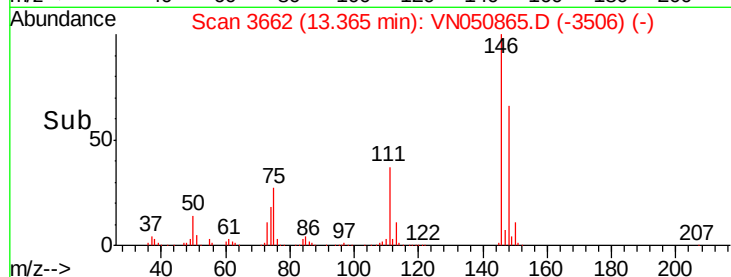
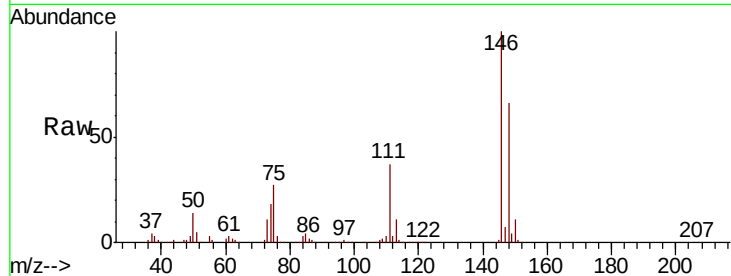
#84
 1,4-Dichlorobenzene
 Concen: 20.090 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	17.9	53.8
148	65.1	32.4	97.0

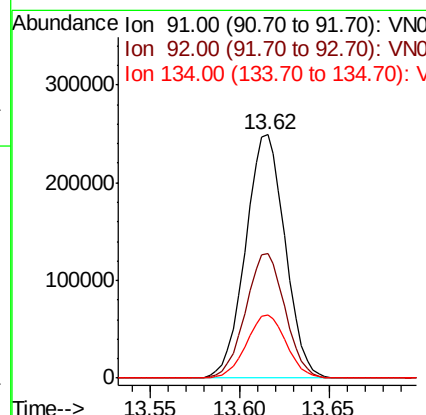
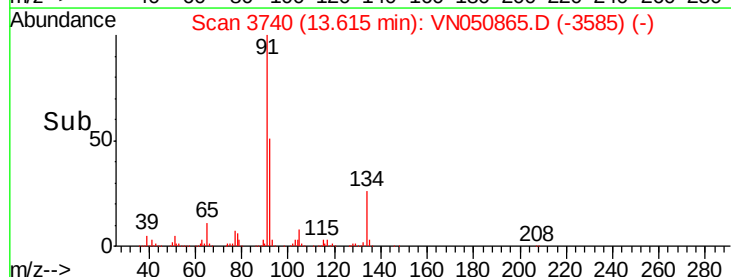
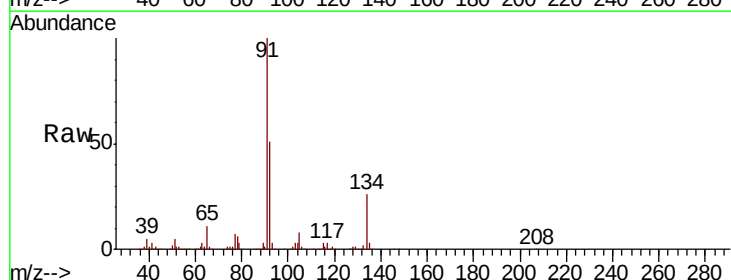
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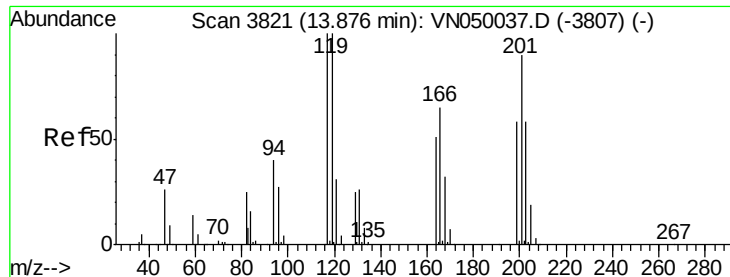
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#85
 n-Butylbenzene
 Concen: 19.018 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.8	0.0	102.8
134	26.0	0.0	51.0





#86

Hexachloroethane

Concen: 20.337 ug/l

RT: 13.87 min Scan# 3820

Delta R.T. -0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tgt Ion:117 Resp: 101789

Ion Ratio Lower Upper

117 100

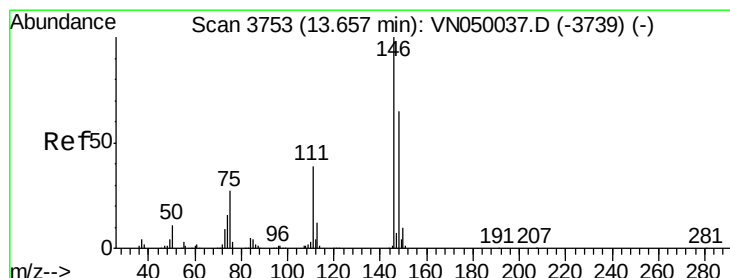
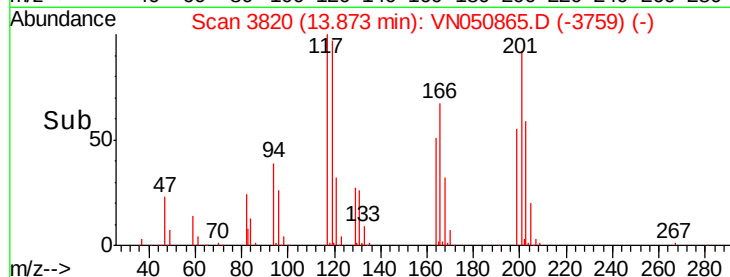
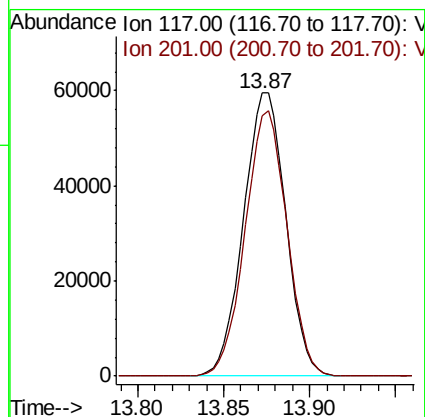
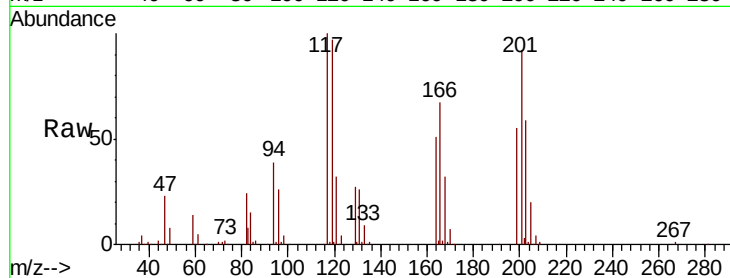
201 92.3 46.6 139.7

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#87

1,2-Dichlorobenzene

Concen: 20.702 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050865.D

Acq: 24 Aug 2018 10:02

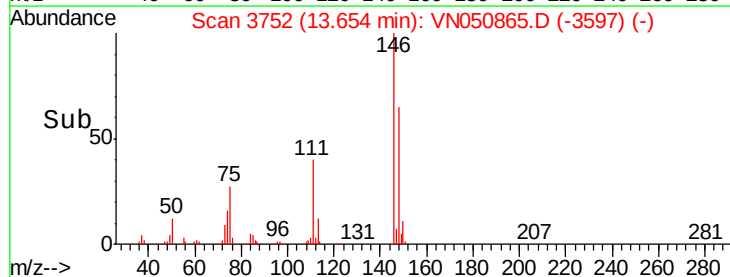
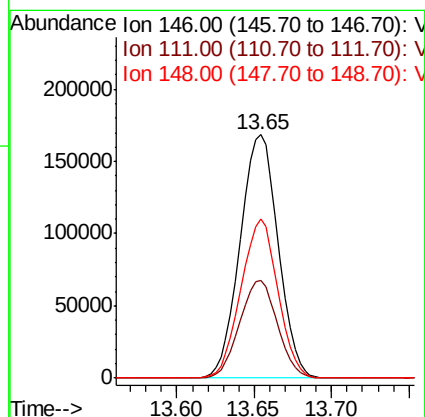
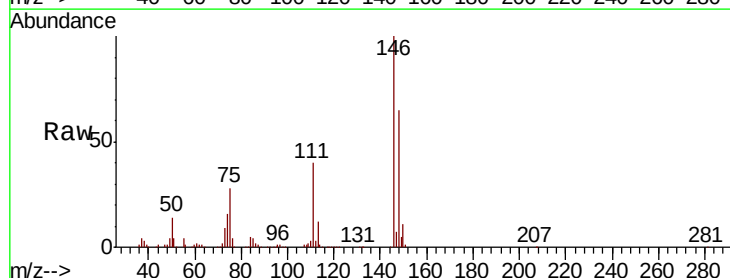
Tgt Ion:146 Resp: 288833

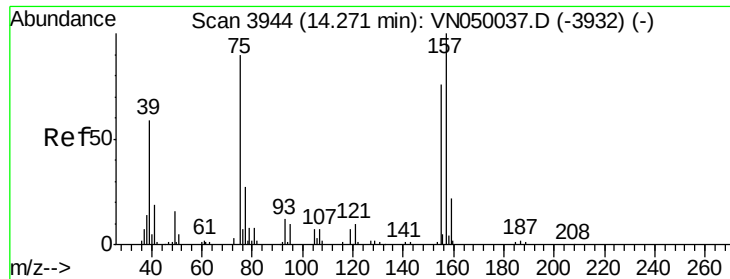
Ion Ratio Lower Upper

146 100

111 39.7 19.8 59.3

148 63.5 31.8 95.3





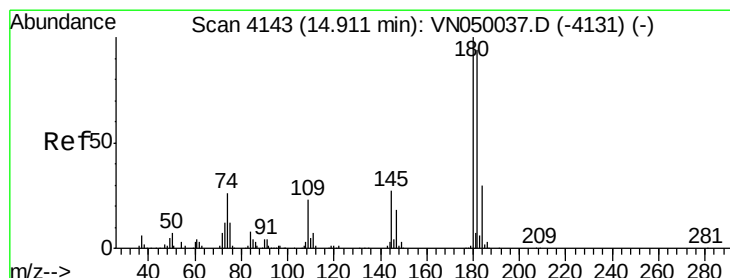
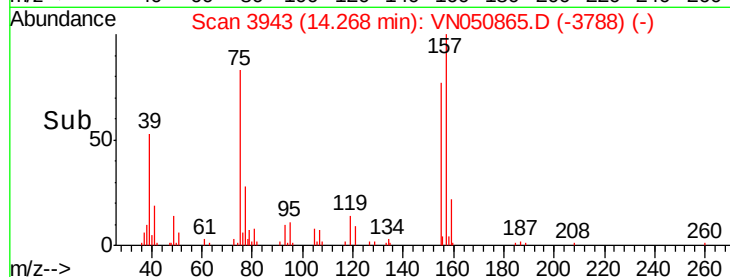
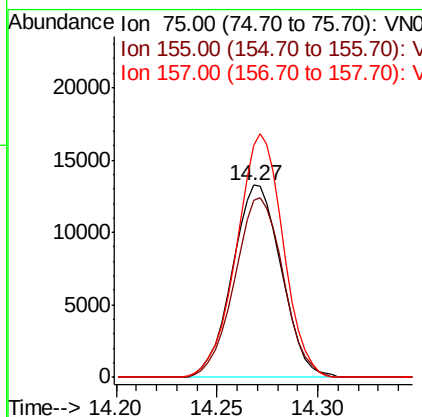
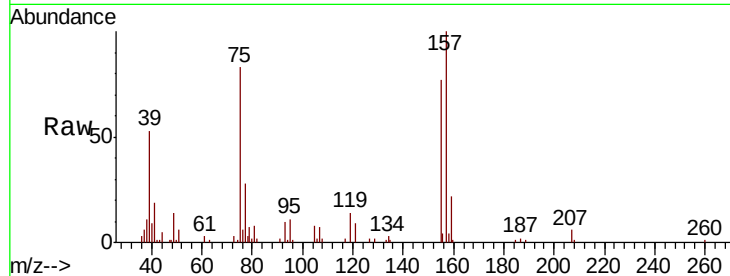
#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.164 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	73.0	109.6
157	120.4	94.9	142.3

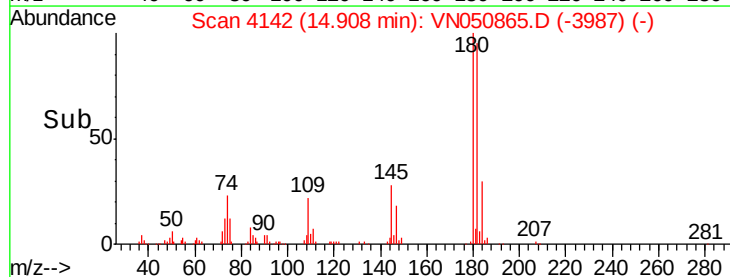
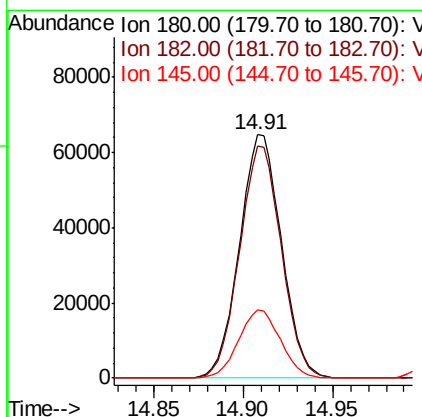
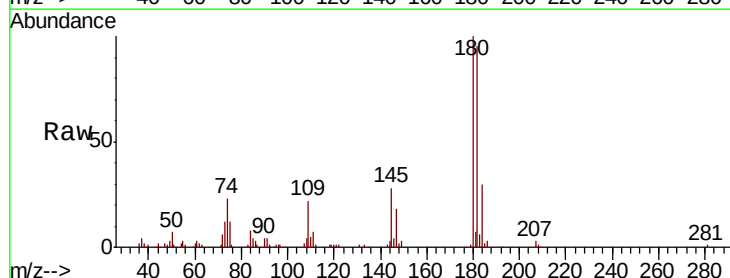
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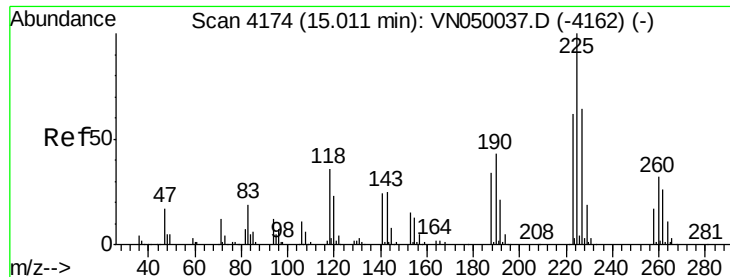
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#89
 1,2,4-Trichlorobenzene
 Concen: 15.983 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.7	115.1
145	27.8	23.4	35.0





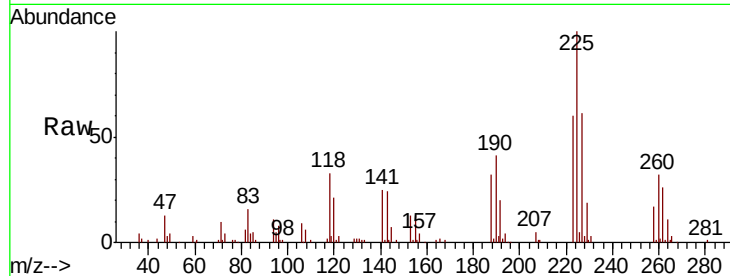
#90
Hexachlorobutadiene
Concen: 20.199 ug/l
RT: 15.01 min Scan# 4174
Delta R.T. 0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

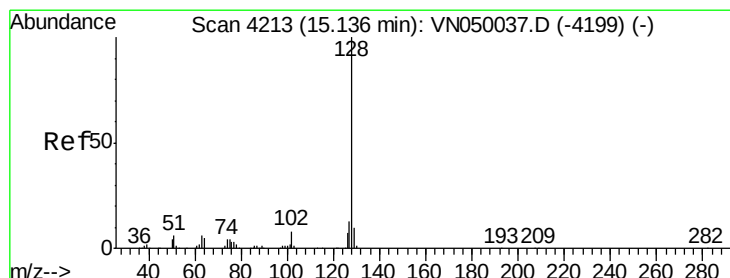
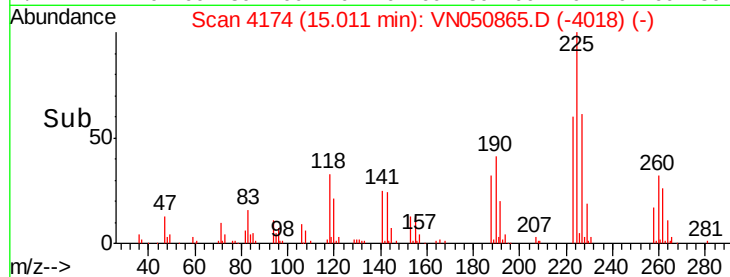
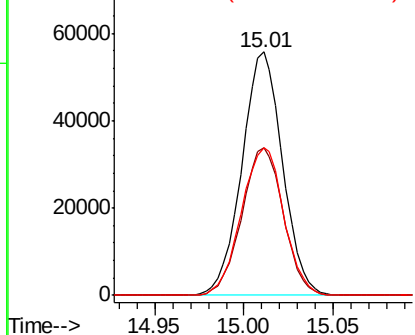
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88748		
223	61.7	0.0	124.4	
227	63.4	0.0	133.0	

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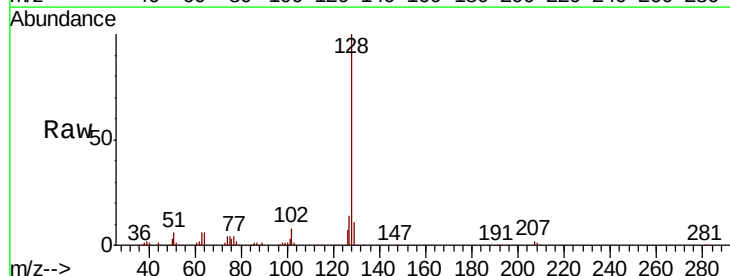


Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V

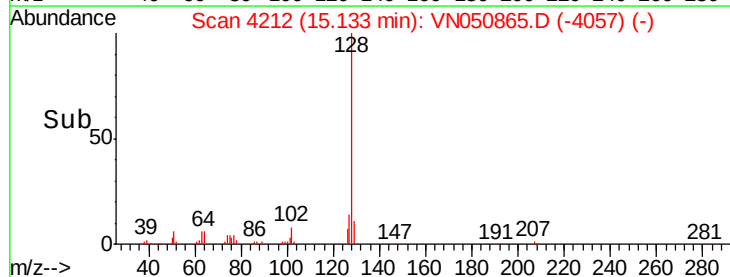
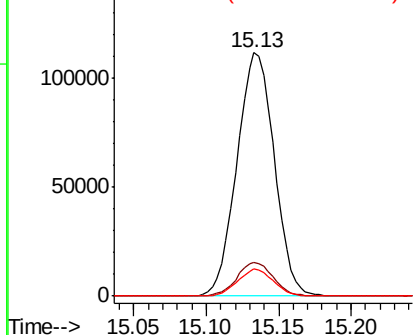


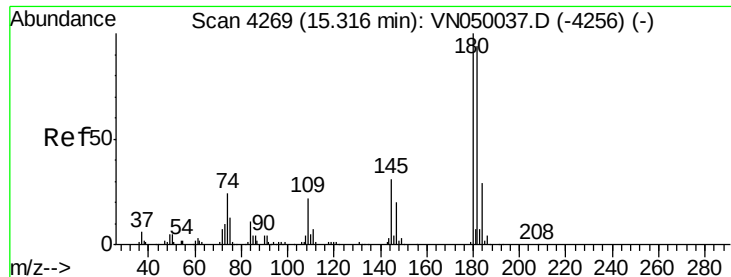
#91
Naphthalene
Concen: 17.227 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050865.D
Acq: 24 Aug 2018 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	200237		
127	13.5	10.2	15.4	
129	10.6	9.0	13.4	



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 16.592 ug/l
 RT: 15.31 min Scan# 4268
 Delta R.T. -0.00 min
 Lab File: VN050865.D
 Acq: 24 Aug 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tgt	Ion:180	Resp:	112445
Ion	Ratio	Lower	Upper
180	100		
182	95.5	0.0	188.8
145	29.4	0.0	60.8

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