

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050134.D
 Acq On : 27 Jul 2018 17:03
 Operator : MD\SY
 Sample : VN0727WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD02

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 1:37:19 PM

Quant Time: Jul 27 23:56:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	690431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1029151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	929020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	463802	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	465828	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
35) Dibromofluoromethane	7.59	113	414995	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.09	98	1505662	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.40	95	504087	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	199436	20.104	ug/l	99
3) Chloromethane	2.06	50	184841	17.141	ug/l	99
4) Vinyl Chloride	2.18	62	206367	18.173	ug/l	99
5) Bromomethane	2.56	94	78470	11.675	ug/l	99
6) Chloroethane	2.70	64	122673	17.987	ug/l	99
7) Trichlorofluoromethane	3.01	101	275667	18.739	ug/l	99
8) Diethyl Ether	3.41	74	97222	19.824	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	164933	18.644	ug/l	100
10) Methyl Iodide	3.95	142	96306	8.482	ug/l	98
11) Tert butyl alcohol	4.81	59	78193	110.319	ug/l	99
12) 1,1-Dichloroethene	3.73	96	149727	18.816	ug/l	96
13) Acrolein	3.61	56	28415	49.897	ug/l	99
14) Allyl chloride	4.32	41	232089	18.809	ug/l	98
15) Acrylonitrile	4.99	53	304663	98.521	ug/l	99
16) Acetone	3.82	43	234685	100.837	ug/l	98
17) Carbon Disulfide	4.05	76	415114	17.028	ug/l	100
18) Methyl Acetate	4.33	43	199183	21.645	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	441209	20.805	ug/l	99
20) Methylene Chloride	4.55	84	173751	19.580	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	158137	18.754	ug/l	98
22) Diisopropyl ether	5.96	45	497002	20.314	ug/l	99
23) Vinyl Acetate	5.90	43	1678121	97.058	ug/l	100
24) 1,1-Dichloroethane	5.85	63	301011	18.815	ug/l	99
25) 2-Butanone	6.84	43	365646	99.514	ug/l	97
26) 2,2-Dichloropropane	6.83	77	234649	19.279	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	179369	19.761	ug/l	99
28) Bromochloromethane	7.20	49	139232	19.080	ug/l	96
29) Tetrahydrofuran	7.22	42	236093	99.436	ug/l	97
30) Chloroform	7.38	83	307909	18.860	ug/l	100
31) Cyclohexane	7.66	56	250871	18.865	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	265822	19.035	ug/l	100
36) 1,1-Dichloropropene	7.80	75	225551	19.453	ug/l	99
37) Ethyl Acetate	6.94	43	160298	19.829	ug/l	98
38) Carbon Tetrachloride	7.78	117	232637	18.909	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	232778	19.515	ug/l	99
40) Benzene	8.05	78	689613	19.545	ug/l	99
41) Methacrylonitrile	7.18	41	68899	18.213	ug/l	96
42) 1,2-Dichloroethane	8.13	62	226369	19.231	ug/l	99
43) Isopropyl Acetate	8.17	43	312538	19.828	ug/l #	92
44) Trichloroethene	8.84	130	179680	18.952	ug/l	99
45) 1,2-Dichloropropane	9.12	63	181756	19.449	ug/l	98
46) Dibromomethane	9.21	93	111991	19.300	ug/l	97
47) Bromodichloromethane	9.41	83	232724	19.002	ug/l	98
48) Methyl methacrylate	9.20	41	141517	20.327	ug/l	99
49) 1,4-Dioxane	9.20	88	40884	431.506	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	820789	103.283	ug/l	100
52) Toluene	10.16	92	421514	20.239	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	229911	19.894	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	259982	19.684	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	162296	19.646	ug/l	99
56) Ethyl methacrylate	10.43	69	207036	19.780	ug/l	98
57) 1,3-Dichloropropane	10.71	76	269538	20.037	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	437462	89.347	ug/l	99
59) 2-Hexanone	10.76	43	544681	96.519	ug/l	100
60) Dibromochloromethane	10.90	129	183258	20.036	ug/l	99
61) 1,2-Dibromoethane	11.01	107	158287	19.312	ug/l	97
64) Tetrachloroethene	10.63	164	168178	18.829	ug/l	98
65) Chlorobenzene	11.44	112	454746	19.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	172814	19.166	ug/l	99
67) Ethyl Benzene	11.52	91	762201	20.219	ug/l	100
68) m/p-Xylenes	11.62	106	591939	41.515	ug/l	100
69) o-Xylene	11.95	106	286264	21.061	ug/l	99
70) Styrene	11.97	104	448972	19.152	ug/l	100
71) Bromoform	12.13	173	128552	19.599	ug/l #	99
73) Isopropylbenzene	12.25	105	765342	21.277	ug/l	100
74) N-amyl acetate	12.07	43	224175	20.391	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	214209	21.280	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	171471m	19.894	ug/l	
77) Bromobenzene	12.53	156	194677	19.527	ug/l	99
78) n-propylbenzene	12.59	91	845103	21.020	ug/l	99
79) 2-Chlorotoluene	12.68	91	523099	20.991	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	620620	21.935	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	52837	19.443	ug/l	98
82) 4-Chlorotoluene	12.78	91	508880	20.621	ug/l	99
83) tert-Butylbenzene	13.00	119	538689	21.817	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	629155	22.061	ug/l	100
85) sec-Butylbenzene	13.17	105	715529	21.688	ug/l	100
86) p-Isopropyltoluene	13.29	119	608947	21.905	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	335966	19.879	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	323764	19.655	ug/l	99
89) n-Butylbenzene	13.62	91	483480	21.150	ug/l	99
90) Hexachloroethane	13.88	117	115578	18.724	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	339415	20.090	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34200	20.866	ug/l	96

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VN0727WBSD02

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	157406	19.570	ug/l	99
94) Hexachlorobutadiene	15.01	225	105880	20.472	ug/l	99
95) Naphthalene	15.14	128	375289	20.568	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	166406	20.433	ug/l	98

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

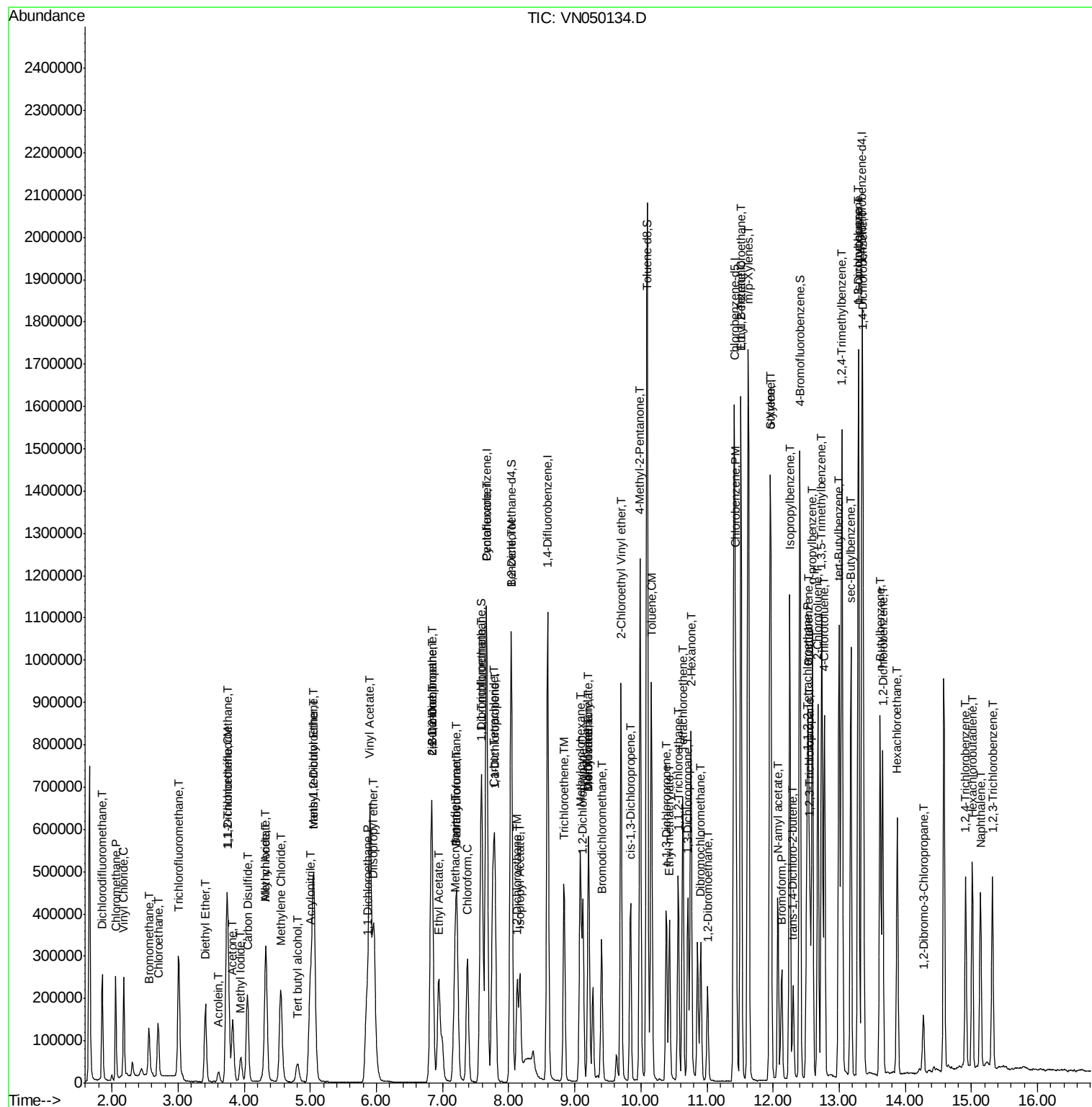
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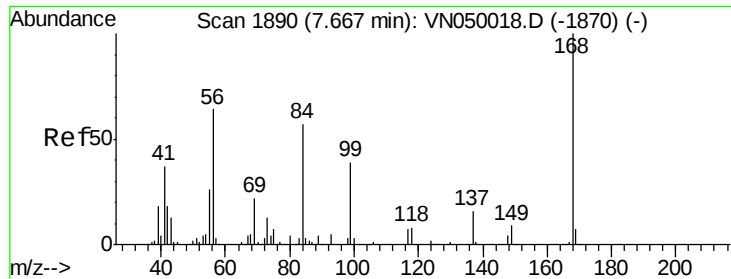
Instrument :
MSVOA_N
ClientSampleId :
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

Tot Ion:168 Resp: 690431

Ion Ratio Lower Upper

168 100

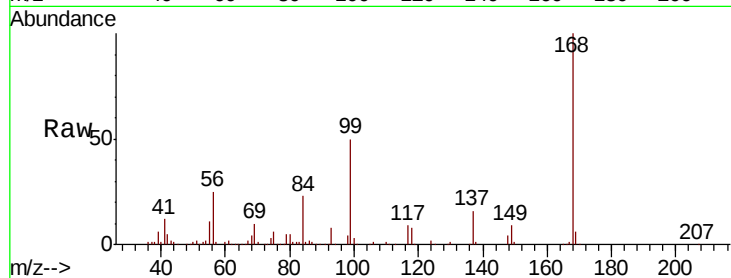
99 50.0 40.0 60.0

Manual Integrations

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7/30/2018 1:37:19 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

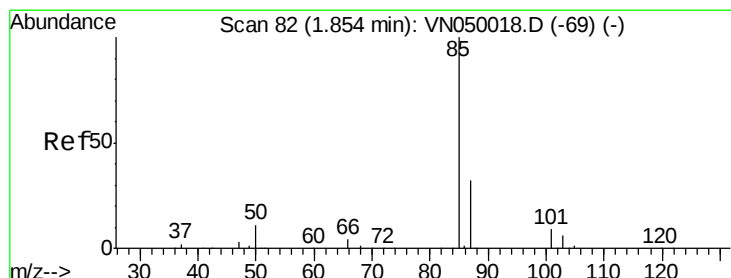
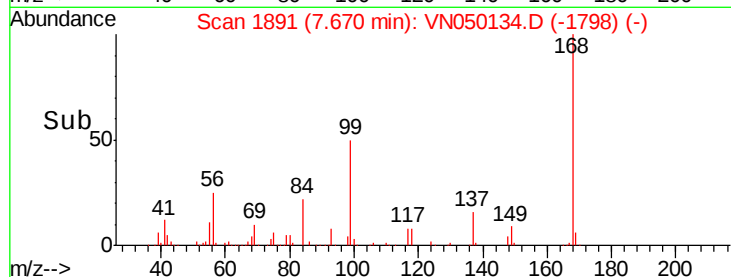
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200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.104 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050134.D

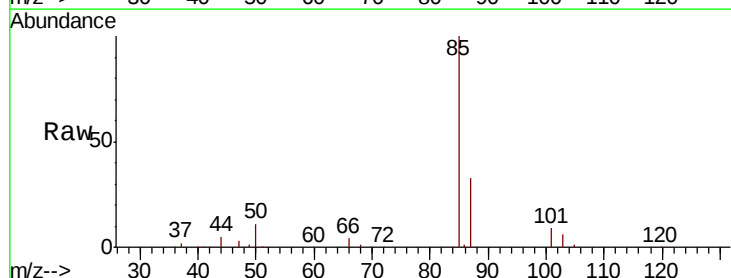
Acq: 27 Jul 2018 17:03

Tgt Ion: 85 Resp: 199436

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

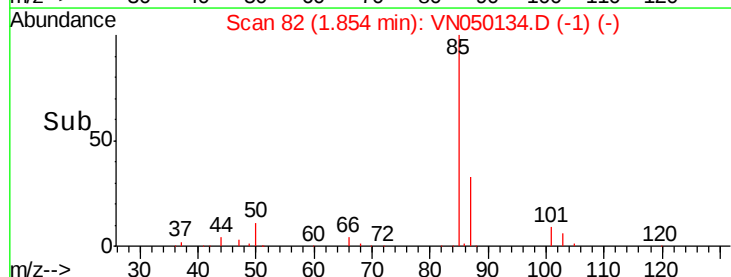
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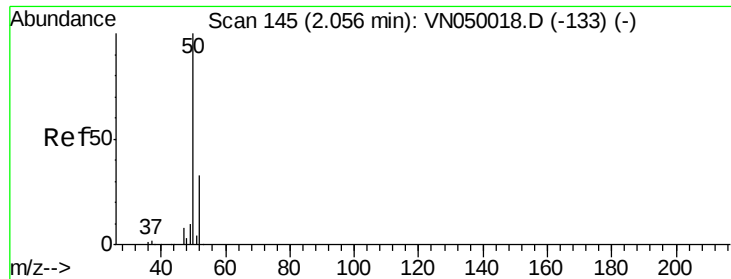
100000

50000

0

Time-->





#3

Chloromethane

Concen: 17.141 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

Tot Ion: 50 Resp: 184841

Ion Ratio Lower Upper

50 100

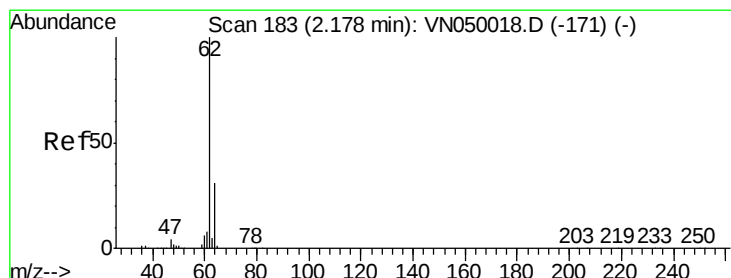
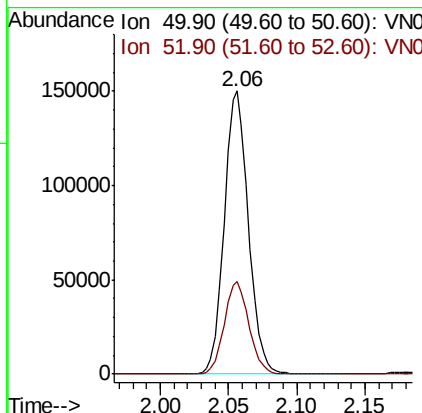
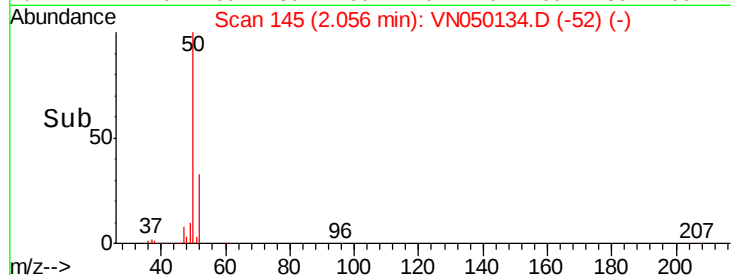
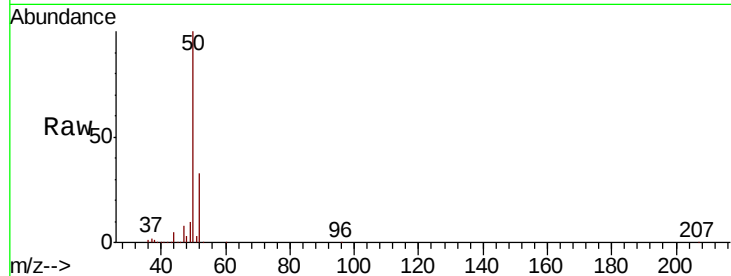
52 32.7 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.173 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050134.D

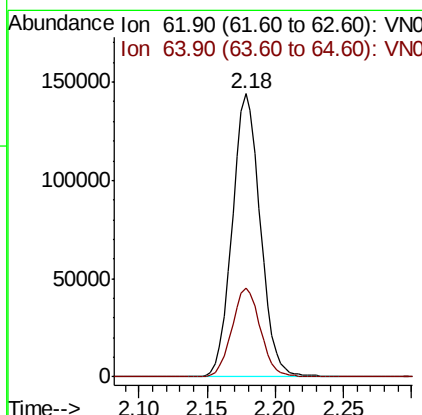
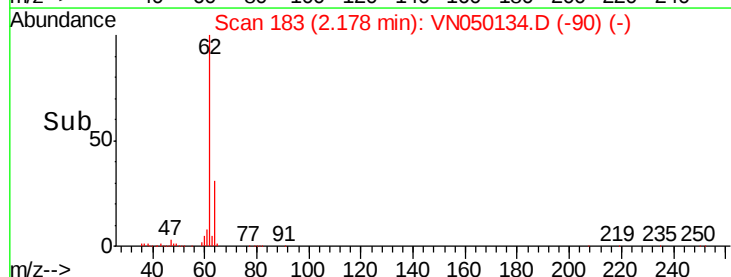
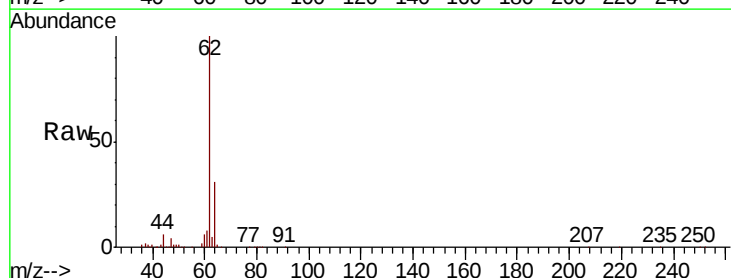
Acq: 27 Jul 2018 17:03

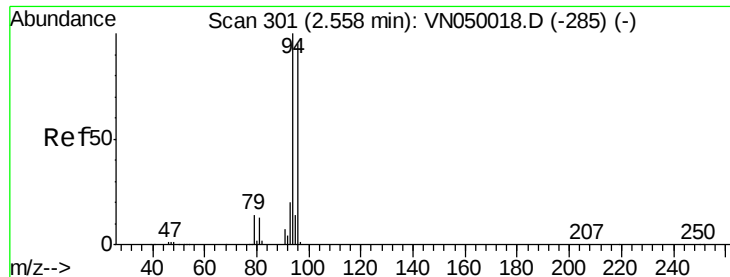
Tgt Ion: 62 Resp: 206367

Ion Ratio Lower Upper

62 100

64 31.4 24.7 37.1





#5

Bromomethane

Concen: 11.675 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

Tot Ion: 94 Resp: 78470

Ion Ratio Lower Upper

94 100

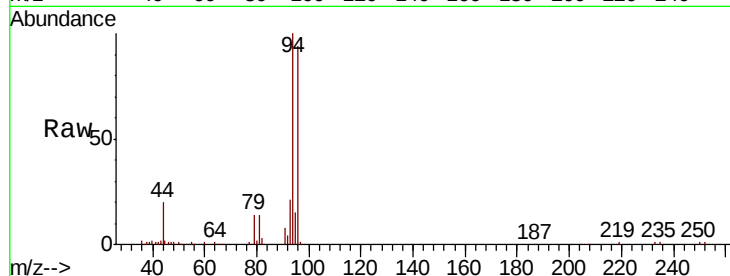
96 93.8 74.6 112.0

Manual Integrations

APPROVED

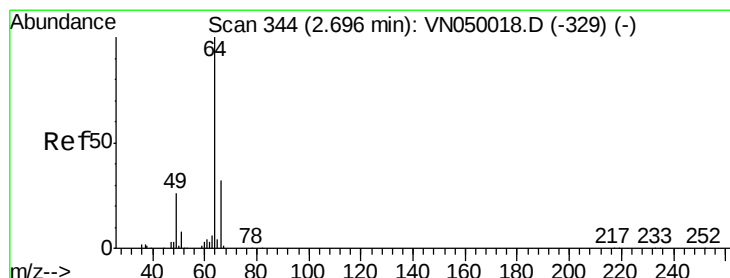
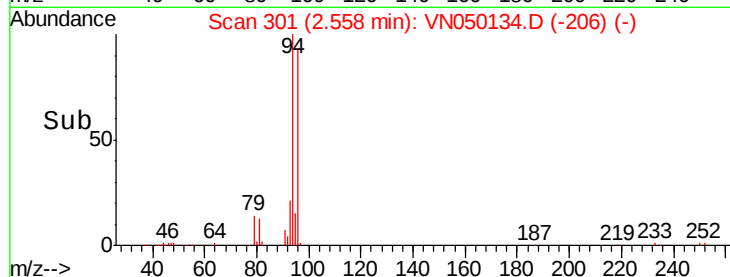
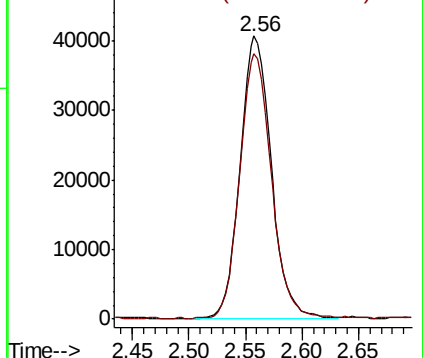
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 17.987 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050134.D

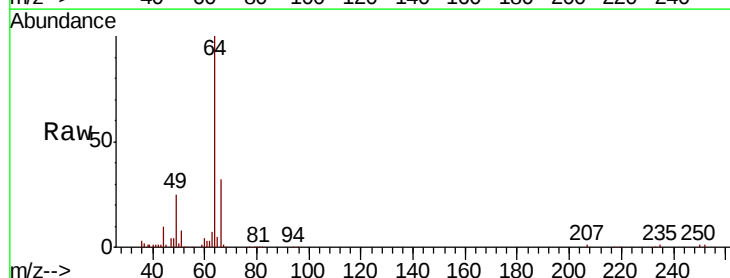
Acq: 27 Jul 2018 17:03

Tgt Ion: 64 Resp: 122673

Ion Ratio Lower Upper

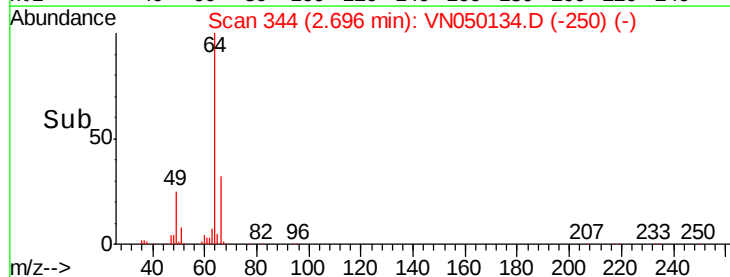
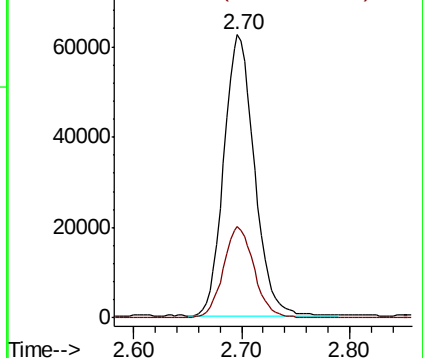
64 100

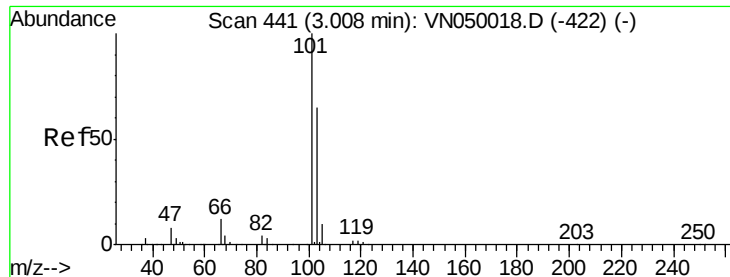
66 32.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

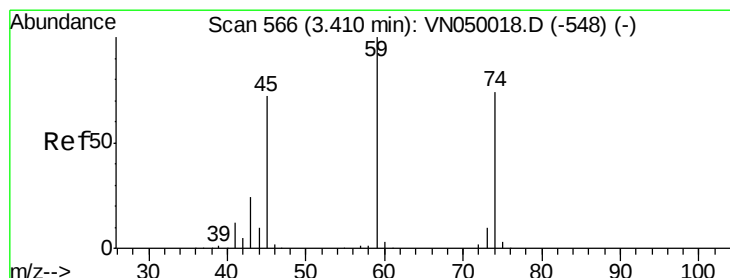
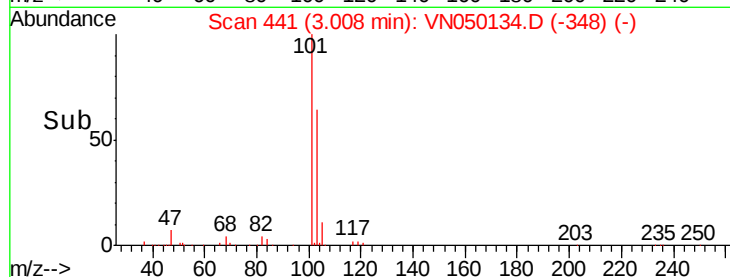
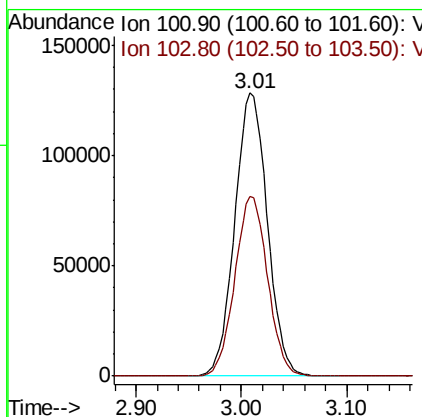
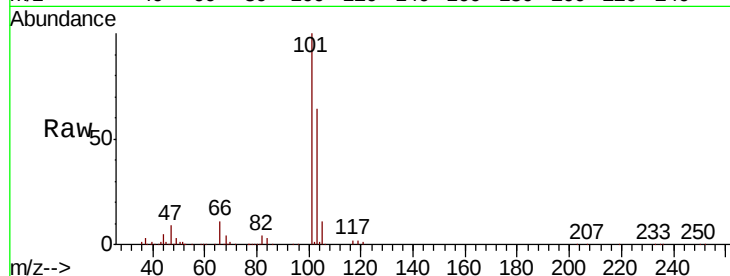
Trichlorofluoromethane
 Concen: 18.739 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.7	77.5

Manual Integrations
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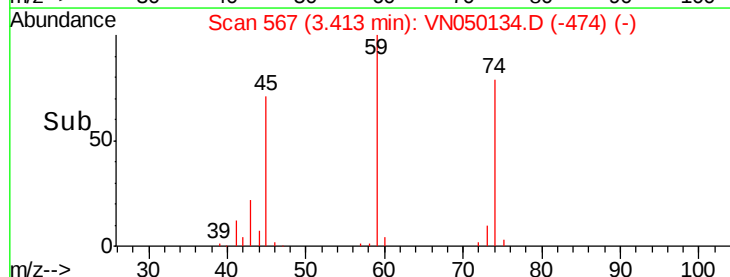
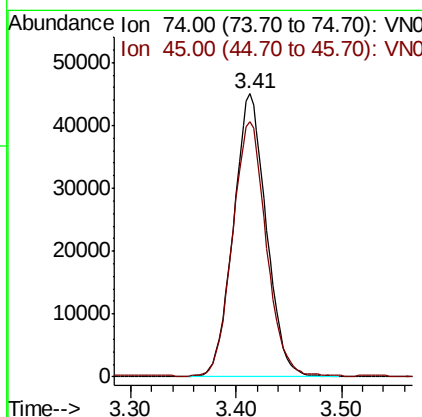
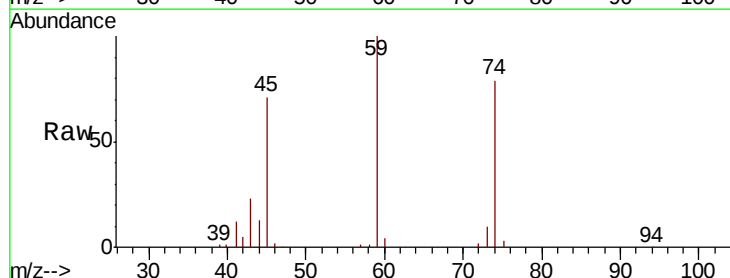
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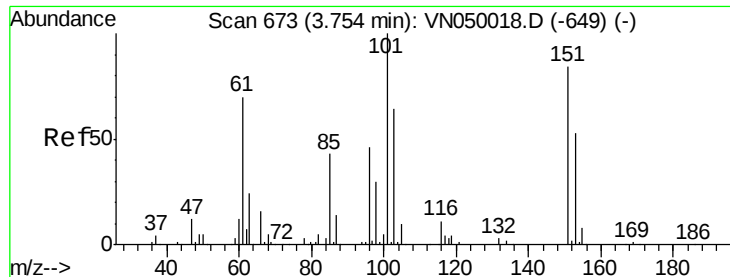


#8

Diethyl Ether
 Concen: 19.824 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.8	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.644 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

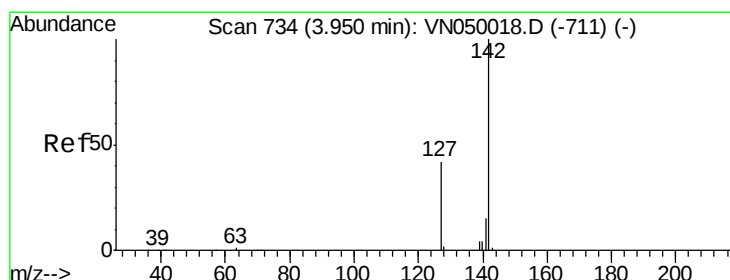
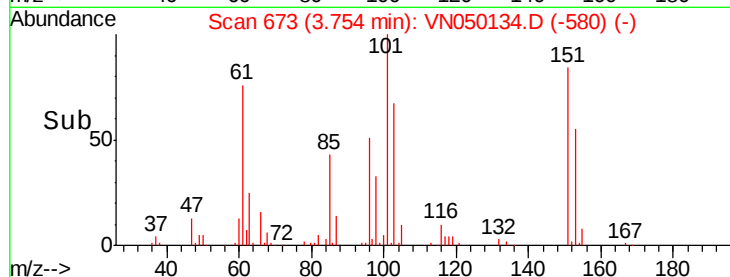
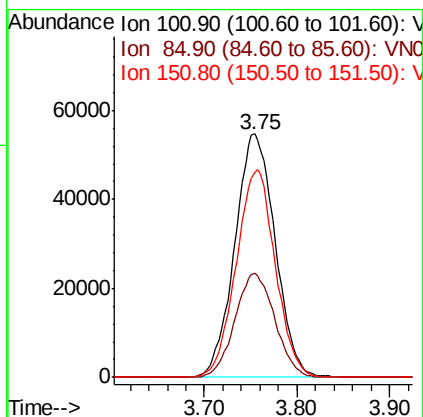
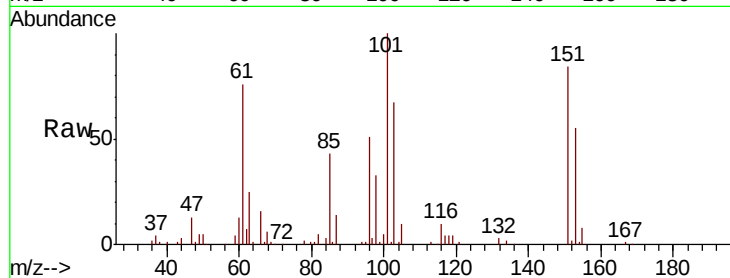
ClientSampleId :

VN0727WBSD02

Tot Ion:	101	Resp:	164933
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.2
151	82.7	66.3	99.5

Manual Integrations
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#10

Methyl Iodide

Concen: 8.482 ug/l

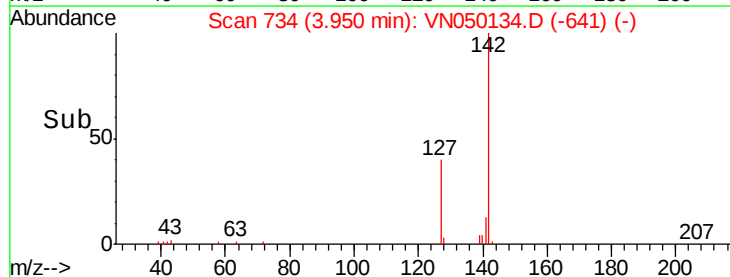
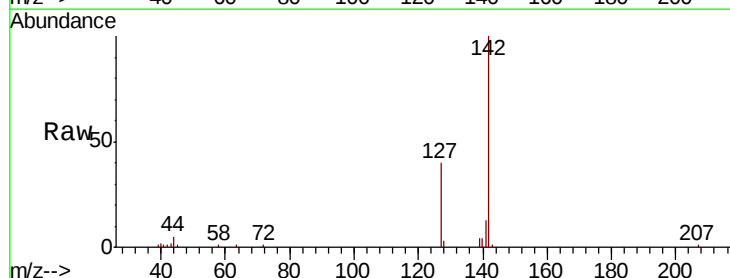
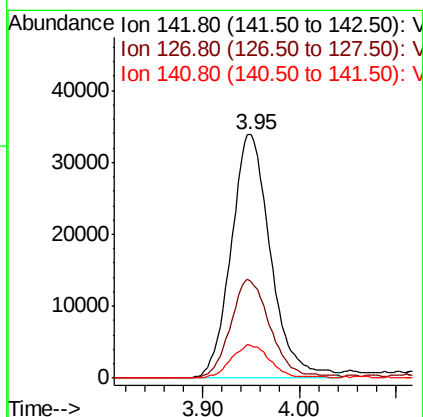
RT: 3.95 min Scan# 734

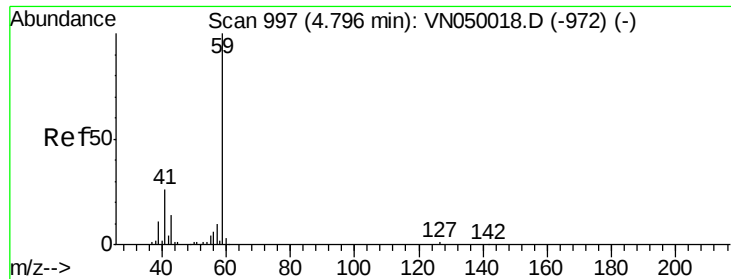
Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Tgt Ion:	142	Resp:	96306
Ion Ratio	Lower	Upper	
142	100		
127	40.5	33.4	50.2
141	13.2	11.6	17.4





#11

Tert butyl alcohol

Concen: 110.319 ug/l

RT: 4.81 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

Tot Ion: 59 Resp: 78193

Ion Ratio Lower Upper

59 100

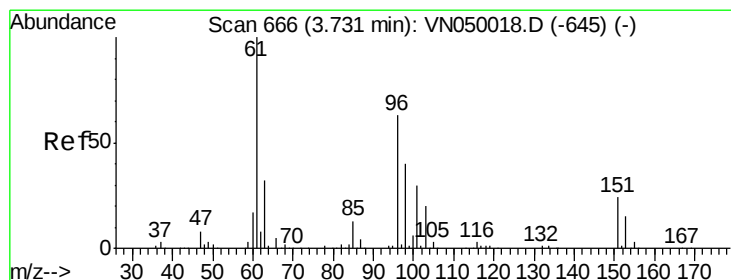
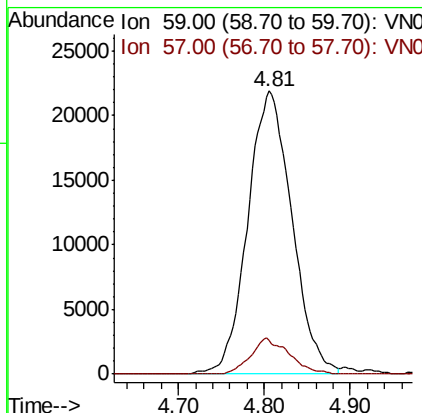
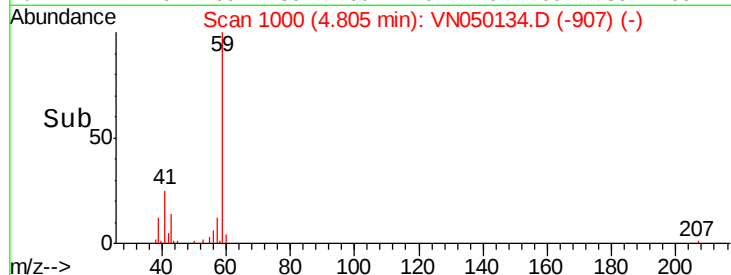
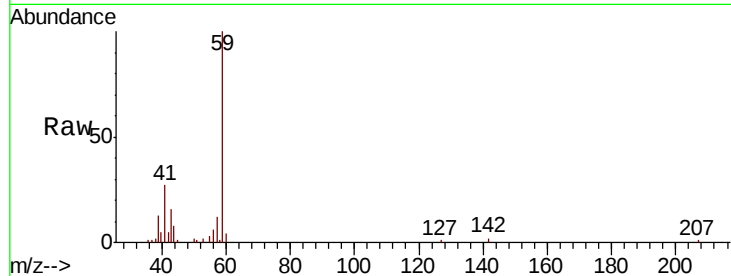
57 11.0 8.5 12.7

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 18.816 ug/l

RT: 3.73 min Scan# 666

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

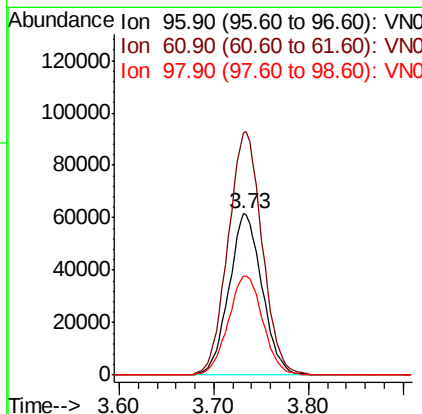
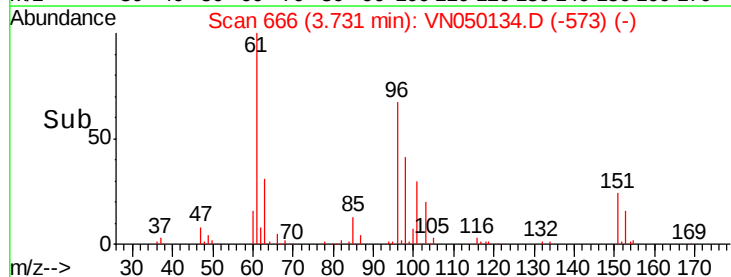
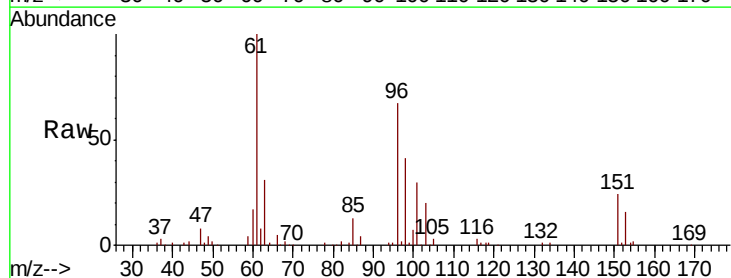
Tgt Ion: 96 Resp: 149727

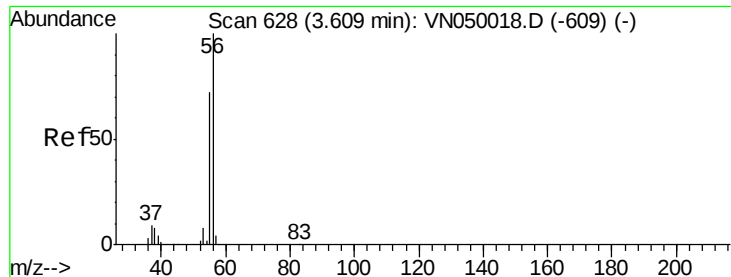
Ion Ratio Lower Upper

96 100

61 149.4 124.4 186.6

98 61.2 48.3 72.5





#13

Acrolein

Concen: 49.897 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

Tot Ion: 56 Resp: 28415

Ion Ratio Lower Upper

56 100

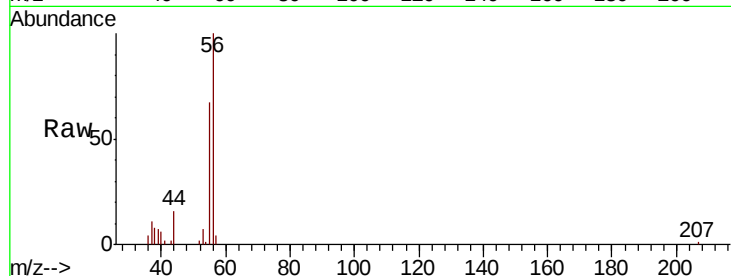
55 69.1 55.8 83.6

Manual Integrations

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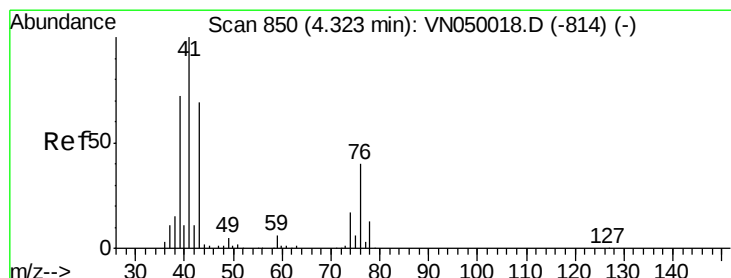
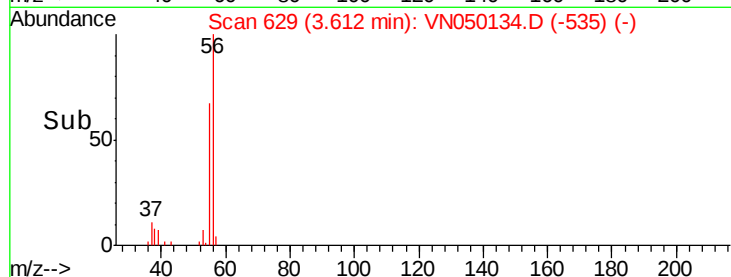
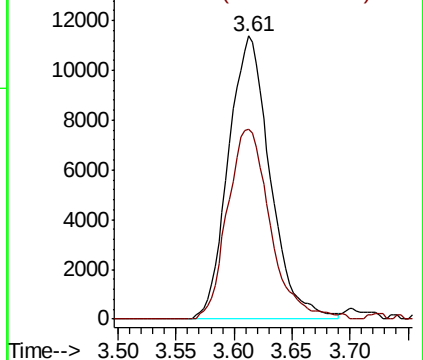
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.809 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

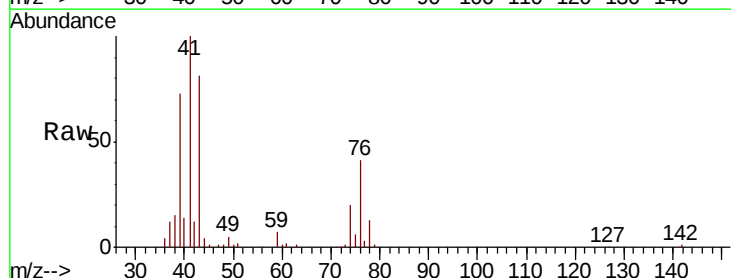
Tgt Ion: 41 Resp: 232089

Ion Ratio Lower Upper

41 100

39 68.9 54.2 81.4

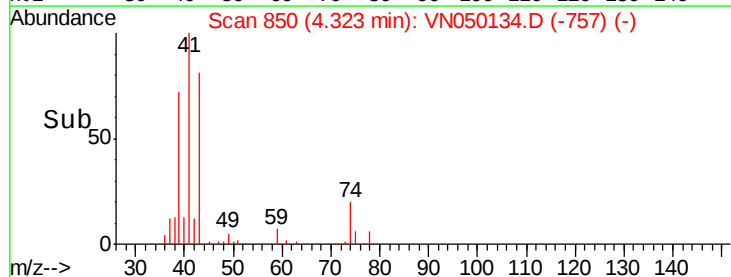
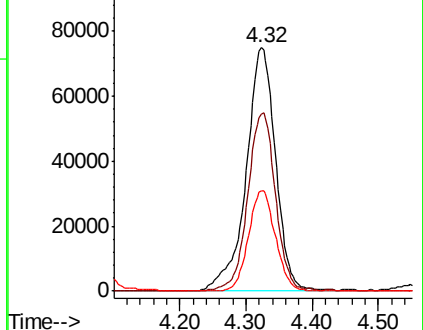
76 37.7 29.0 43.6

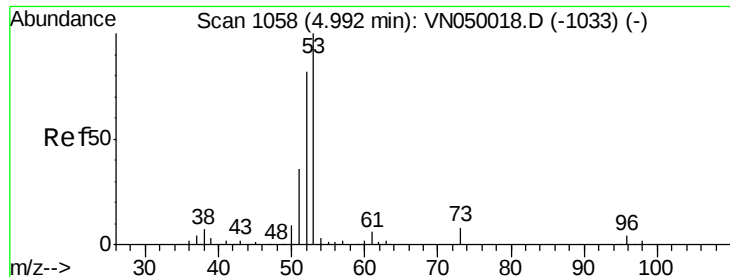


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 98.521 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

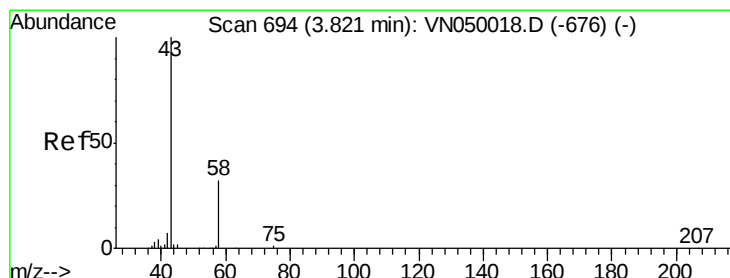
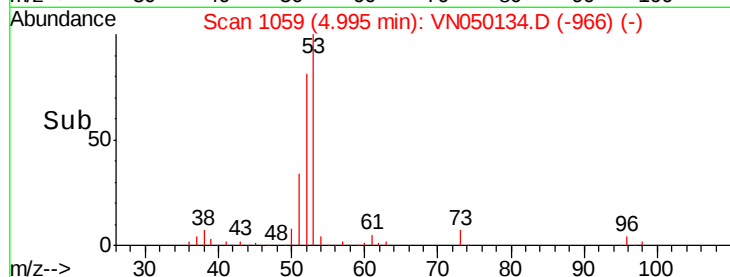
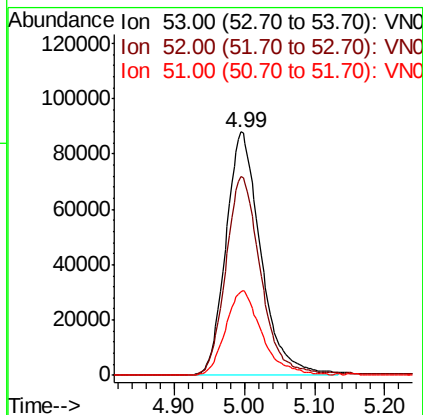
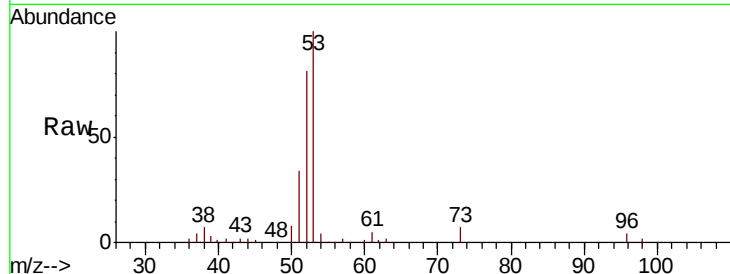
ClientSampleId :

VN0727WBSD02

Tot Ion:	53	Resp:	304663
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.2	99.2
51	36.2	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 100.837 ug/l

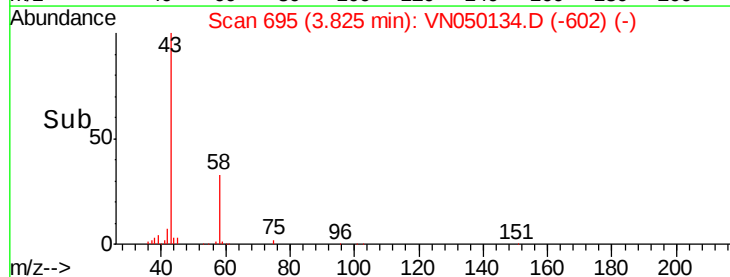
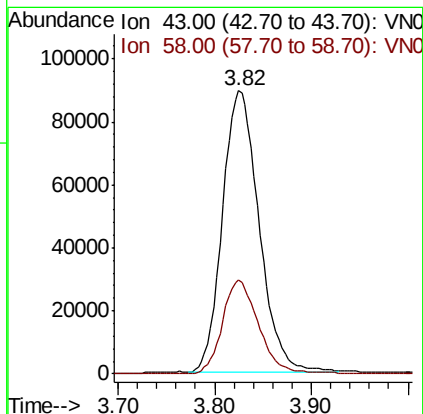
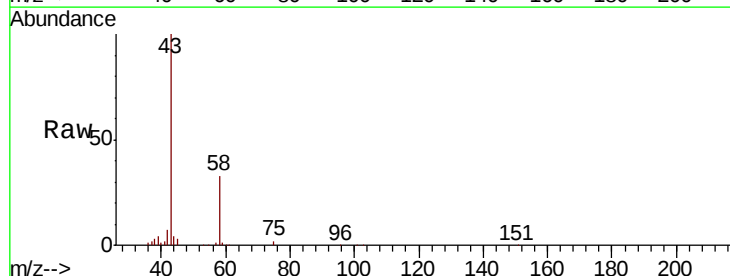
RT: 3.82 min Scan# 695

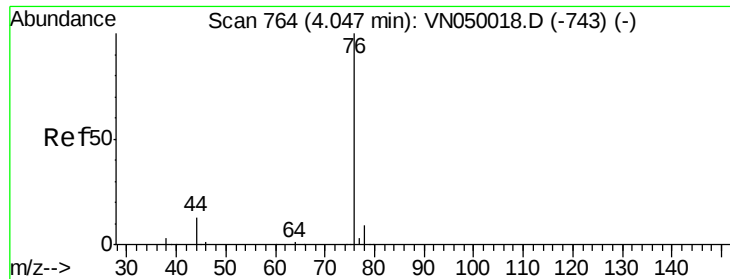
Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Tgt Ion:	43	Resp:	234685
Ion	Ratio	Lower	Upper
43	100		
58	33.2	25.8	38.8





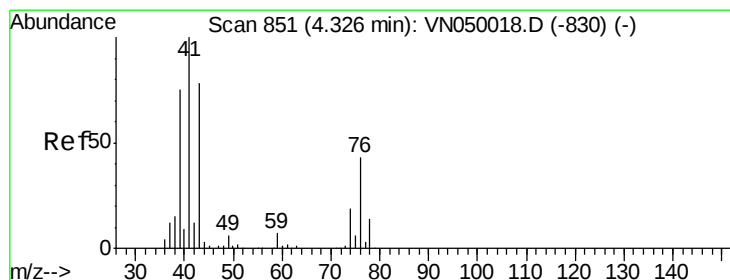
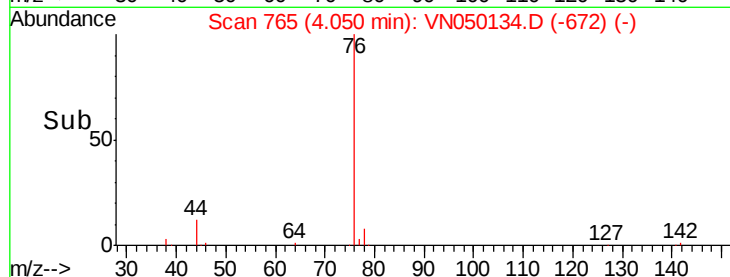
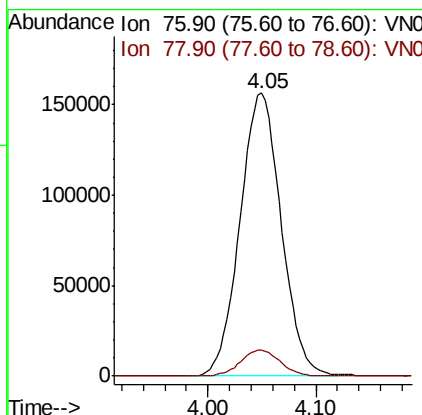
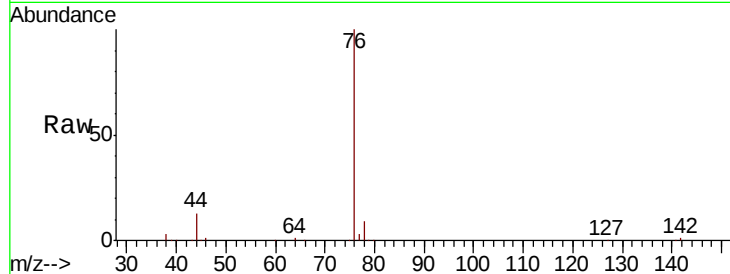
#17
Carbon Disulfide
Concen: 17.028 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

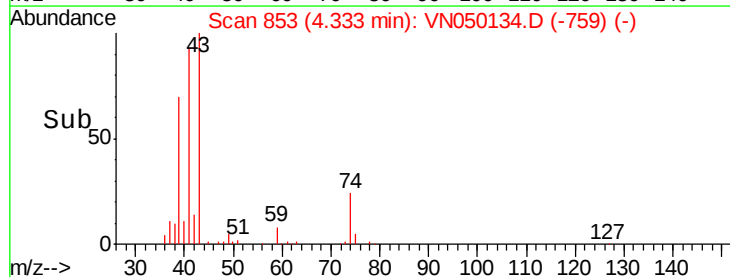
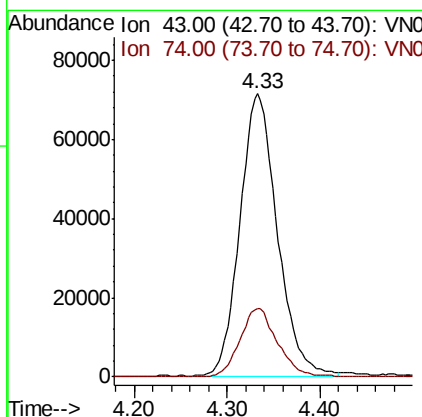
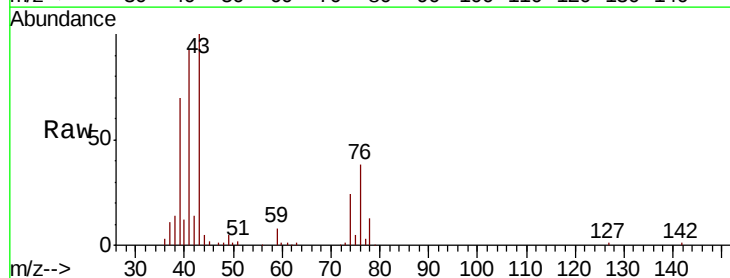
Manual Integrations
APPROVED

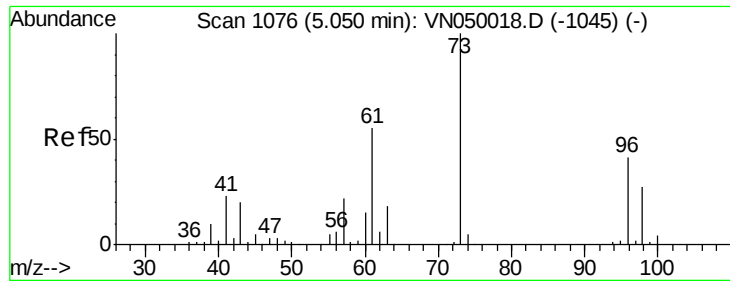
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#18
Methyl Acetate
Concen: 21.645 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8





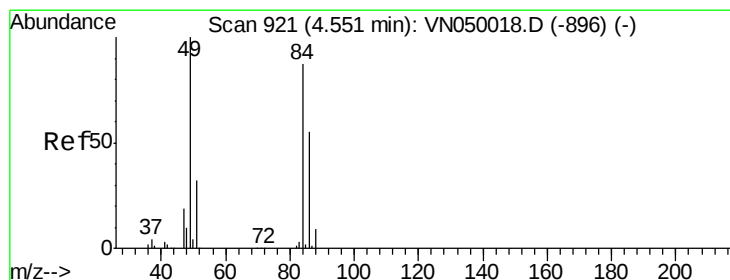
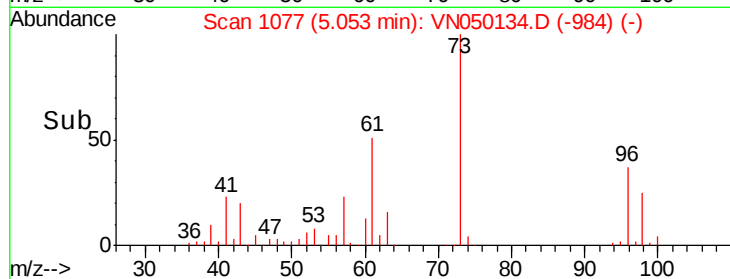
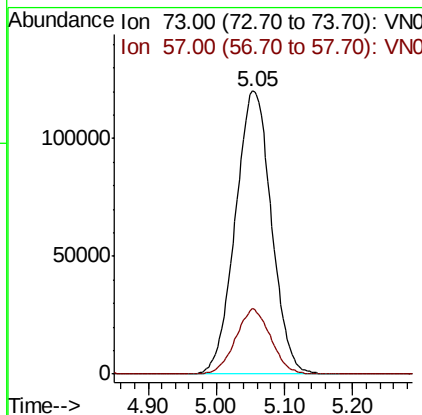
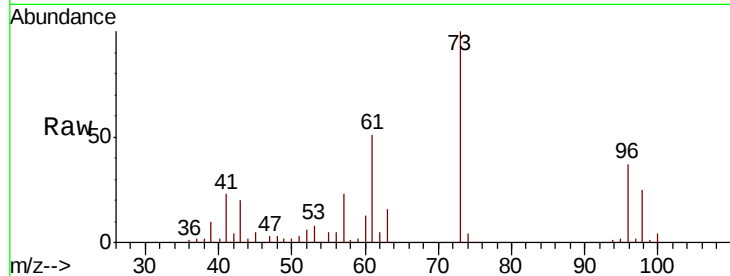
#19
Methvl tert-butvl Ether
Concen: 20.805 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

Tot Ion: 73 Resp: 441209
Ion Ratio Lower Upper
73 100
57 23.1 18.0 27.0

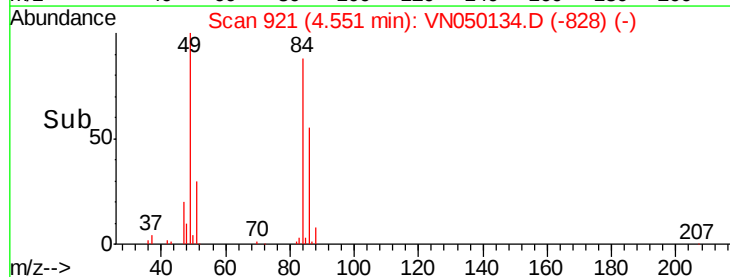
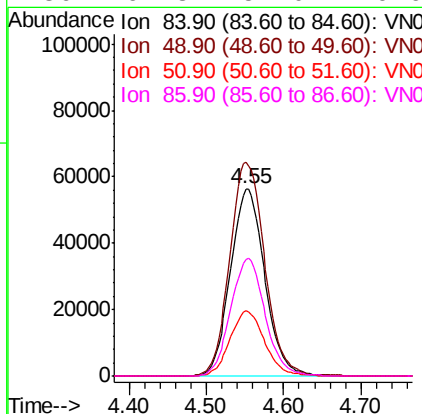
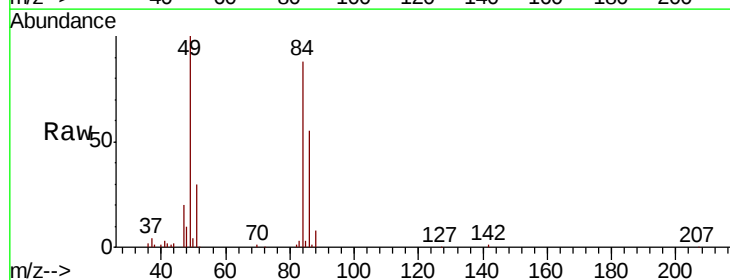
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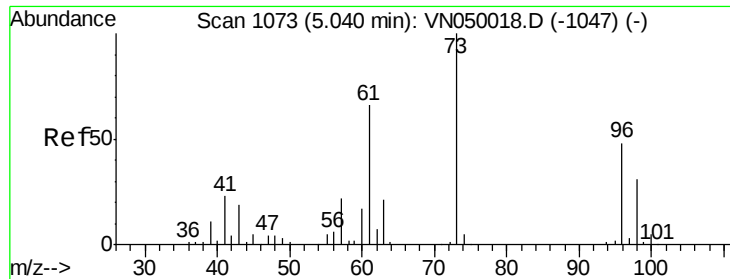
MMDadoda
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#20
Methylene Chloride
Concen: 19.580 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion: 84 Resp: 173751
Ion Ratio Lower Upper
84 100
49 113.9 94.8 142.2
51 34.5 28.3 42.5
86 62.3 51.0 76.6





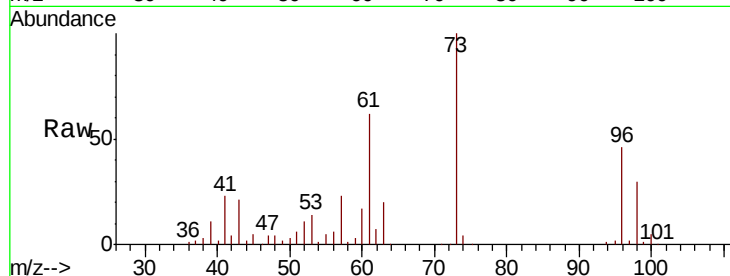
#21
trans-1,2-Dichloroethene
Concen: 18.754 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.8	110.7	166.1
98	64.7	51.6	77.4

Manual Integrations
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7/30/2018 1:37:19 PM

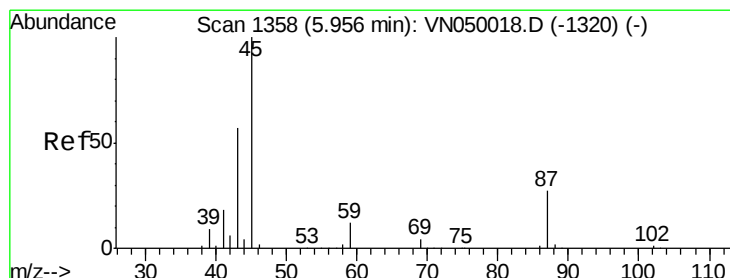
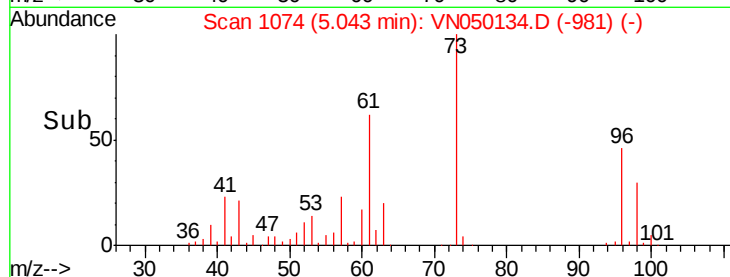
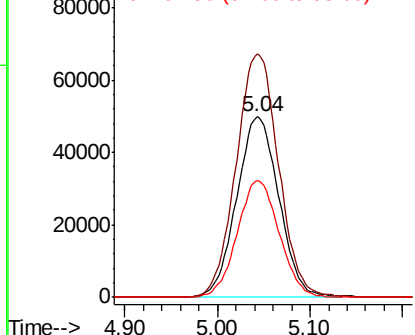


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 20.314 ug/l
RT: 5.96 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.9	45.7	68.5
87	28.9	22.7	34.1
59	12.6	9.5	14.3

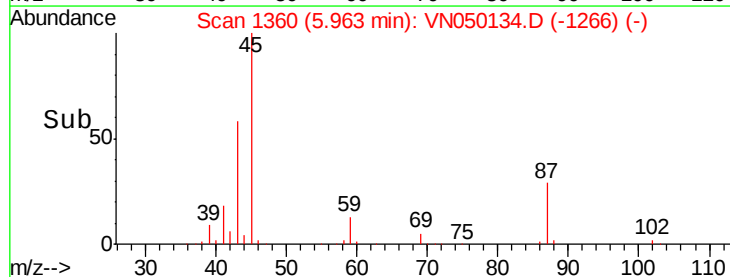
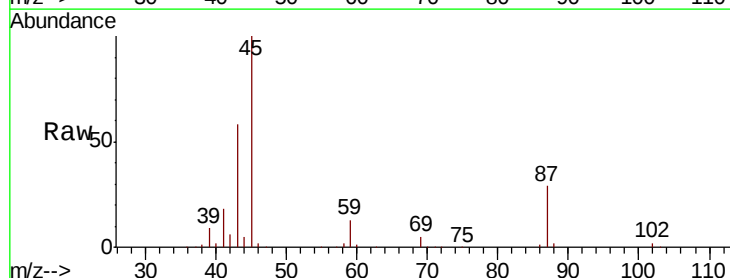
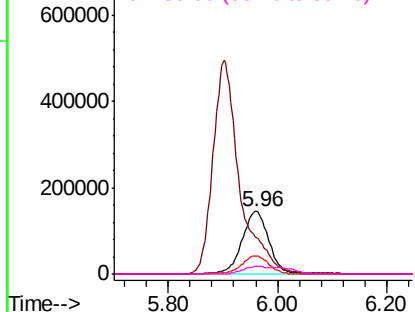
Abundance

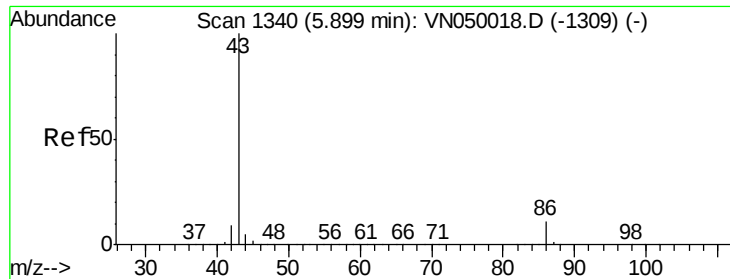
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 97.058 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

Tot Ion: 43 Resp: 1678121

Ion Ratio Lower Upper

43 100

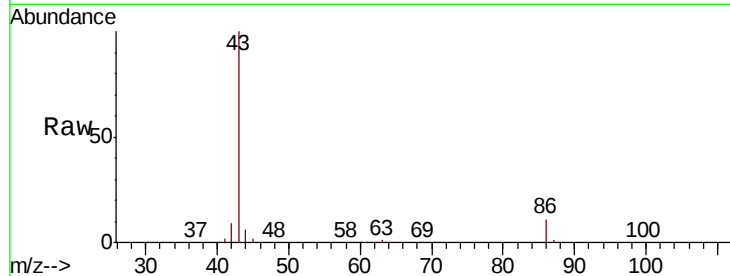
86 10.9 8.6 13.0

Manual Integrations

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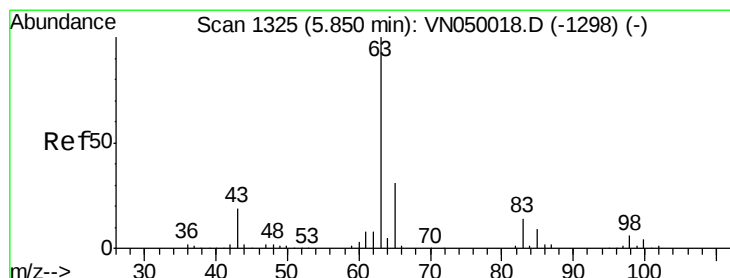
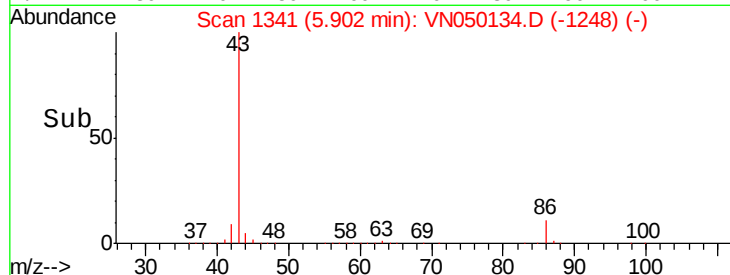
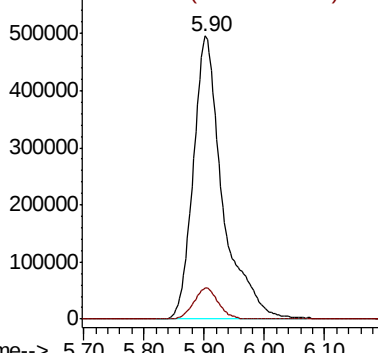
MMDadoda

7/30/2018 1:37:19 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.815 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

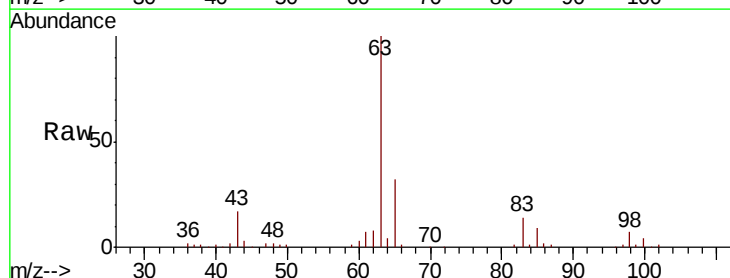
Tgt Ion: 63 Resp: 301011

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

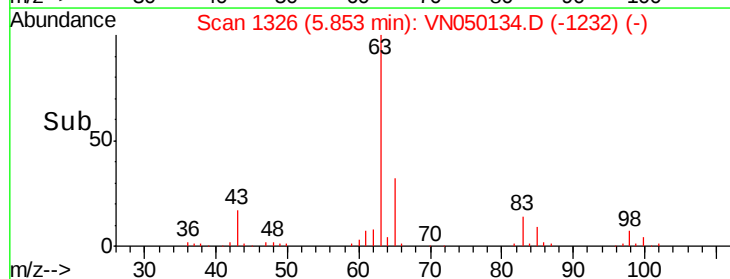
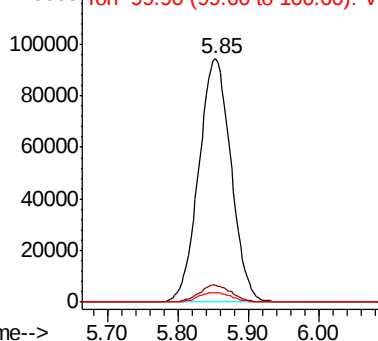
100 4.1 2.1 6.3

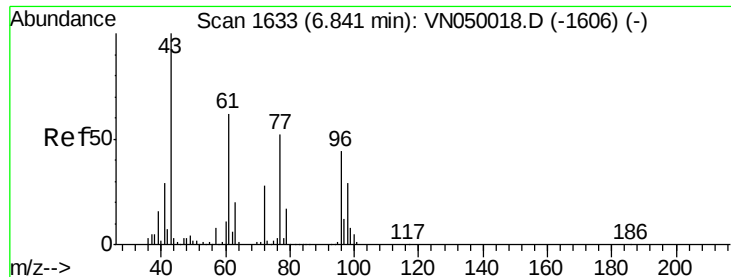


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 99.514 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

Tot Ion: 43 Resp: 365646

Ion Ratio Lower Upper

43 100

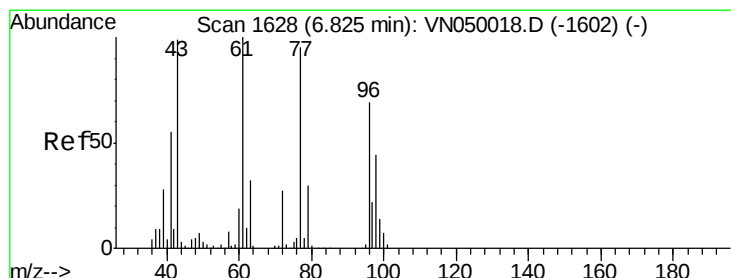
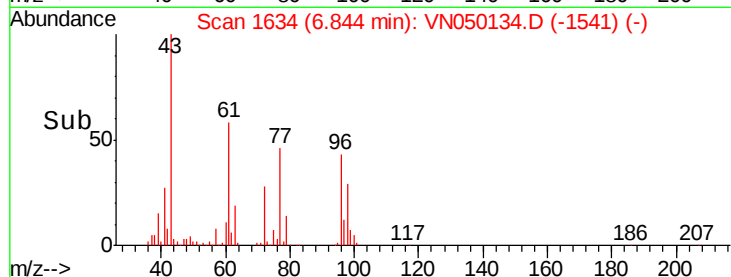
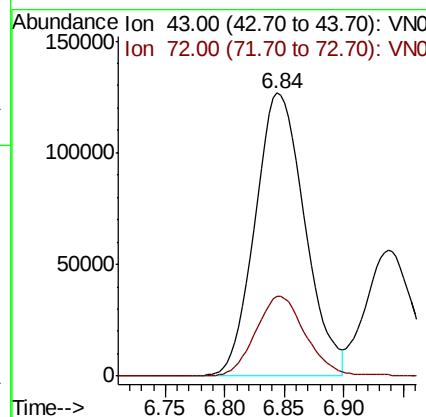
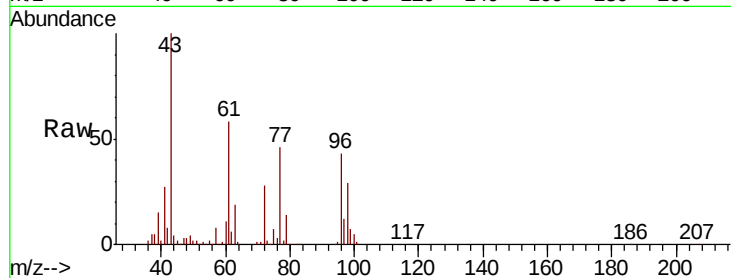
72 28.4 21.5 32.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.279 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050134.D

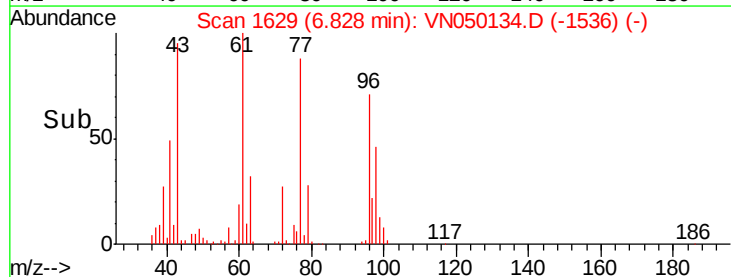
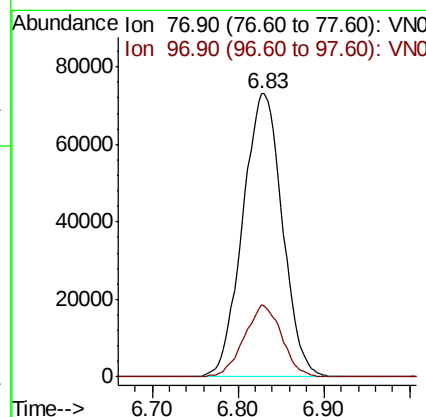
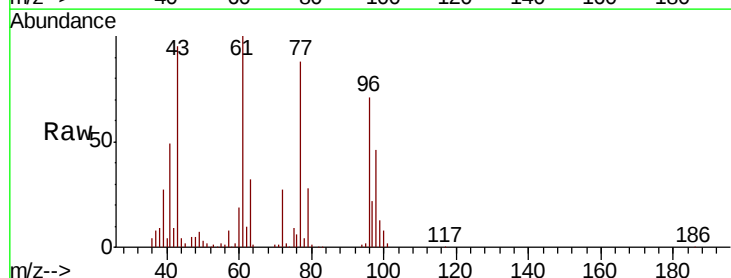
Acq: 27 Jul 2018 17:03

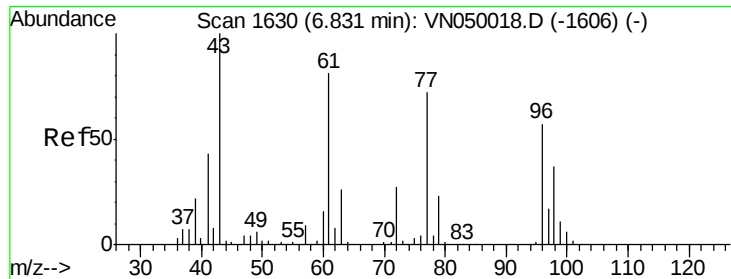
Tgt Ion: 77 Resp: 234649

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.761 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

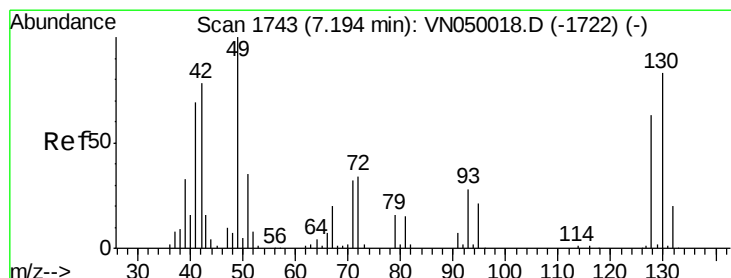
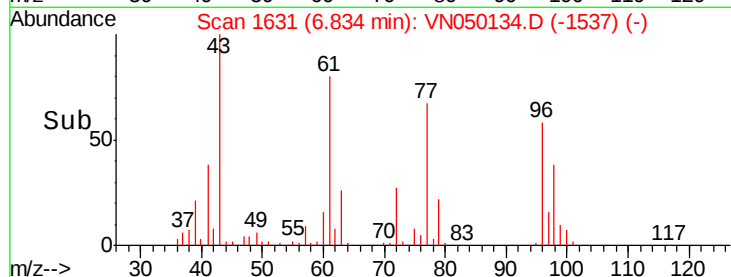
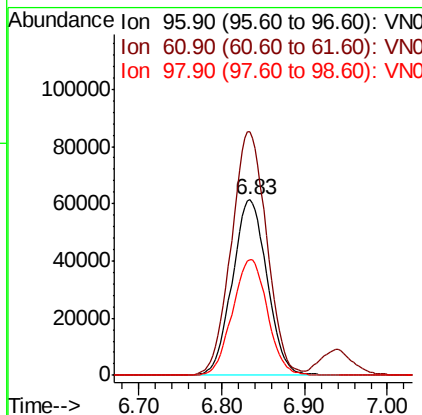
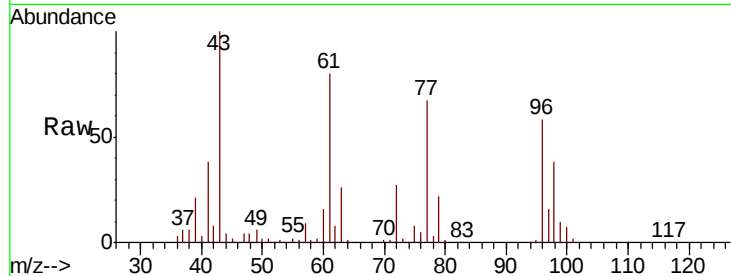
ClientSampleId :

VN0727WBSD02

Tot Ion:	96	Resp:	179369
Ion Ratio	Lower	Upper	
96	100		
61	141.2	0.0	285.0
98	66.1	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 19.080 ug/l

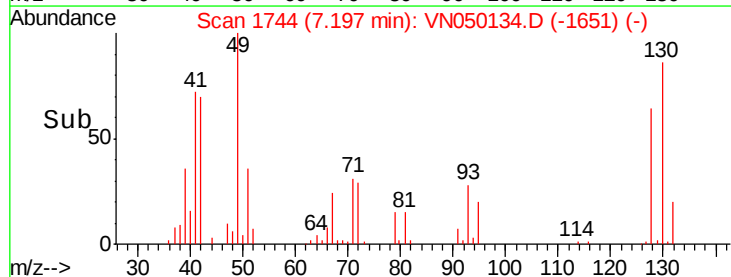
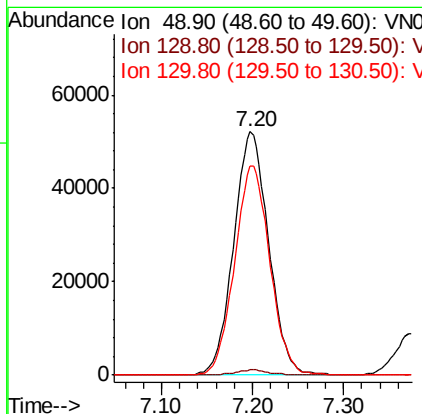
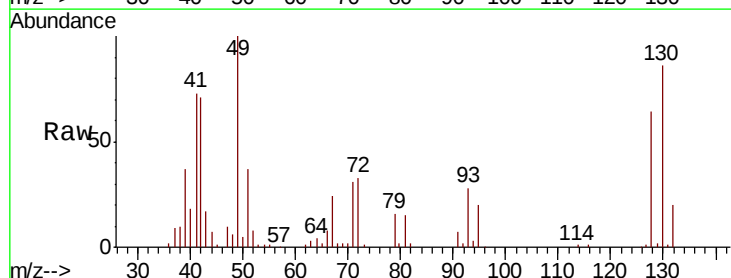
RT: 7.20 min Scan# 1744

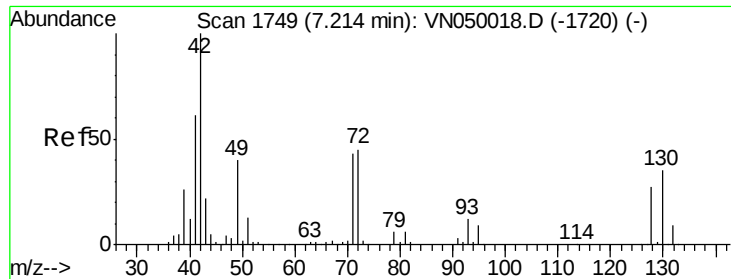
Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Tgt Ion:	49	Resp:	139232
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.0
130	86.6	66.3	99.5





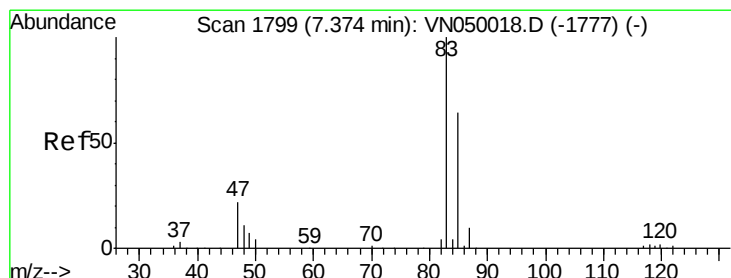
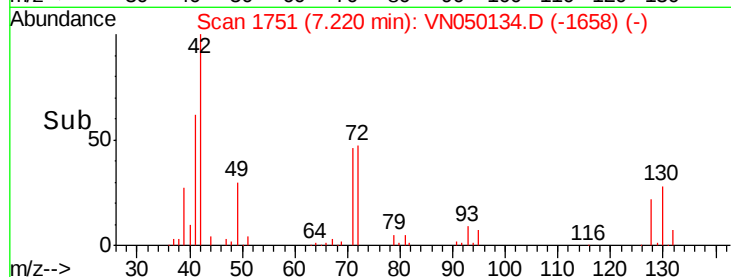
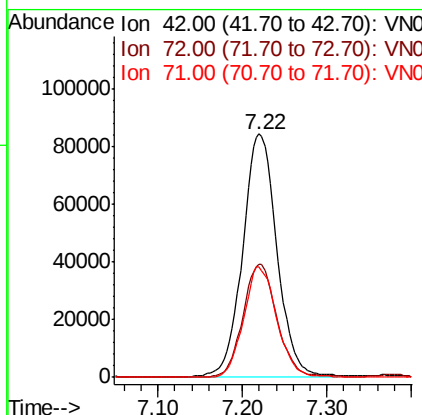
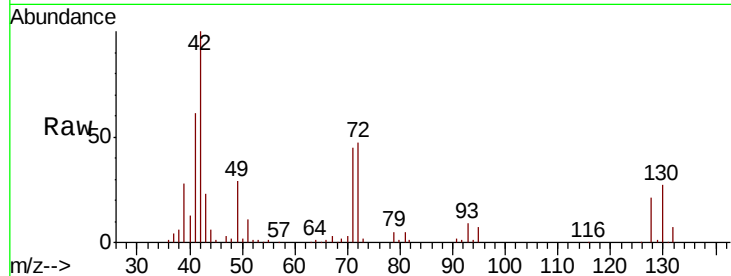
#29
Tetrahydrofuran
Concen: 99.436 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	35.9	53.9
71	44.1	33.7	50.5

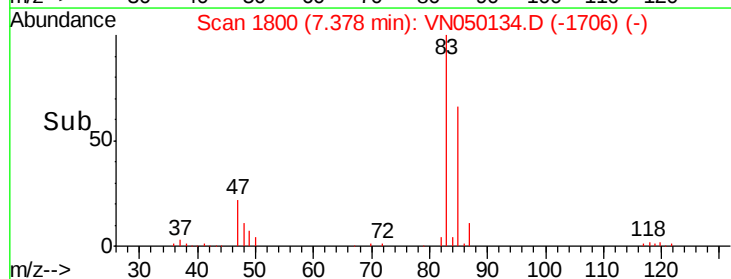
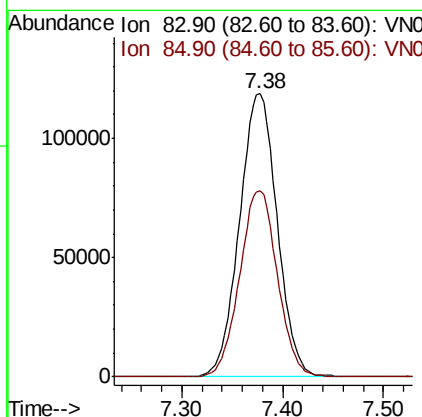
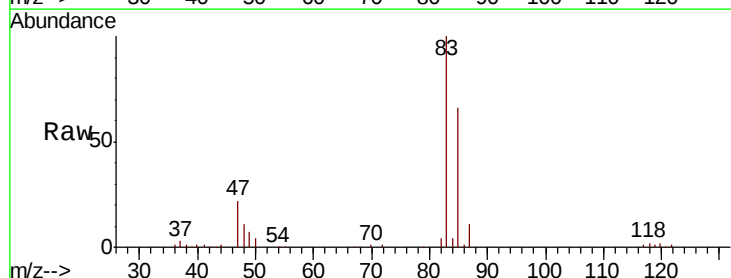
Manual Integrations
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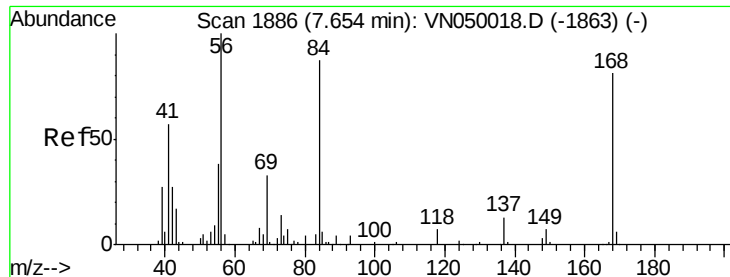
MMDadoda
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#30
Chloroform
Concen: 18.860 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7





#31

Cyclohexane

Concen: 18.865 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

Tot Ion: 56 Resp: 250871

Ion Ratio Lower Upper

56 100

69 37.5 26.2 39.4

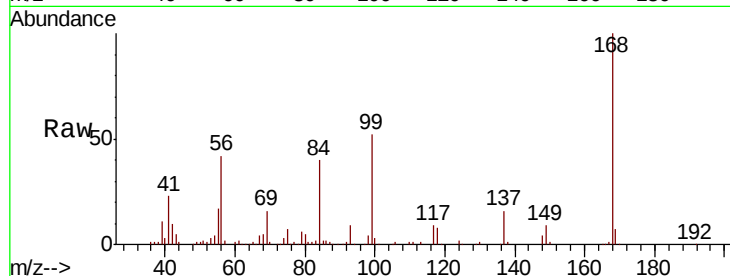
84 93.4 67.4 101.0

Manual Integrations

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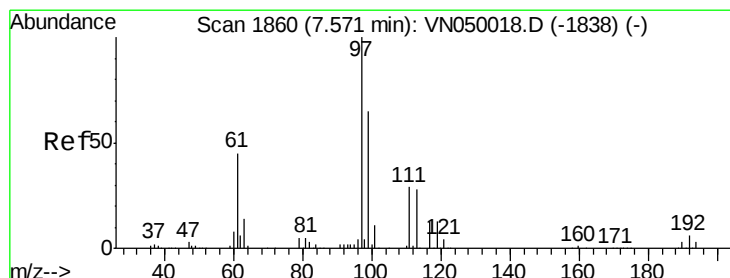
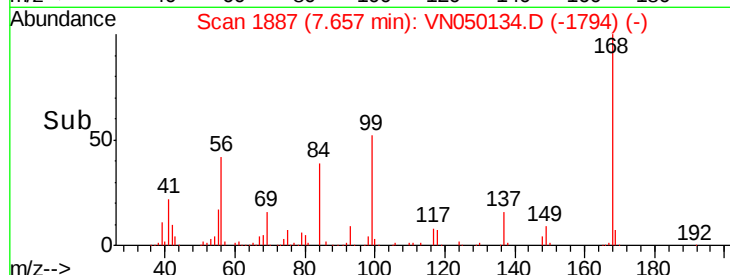
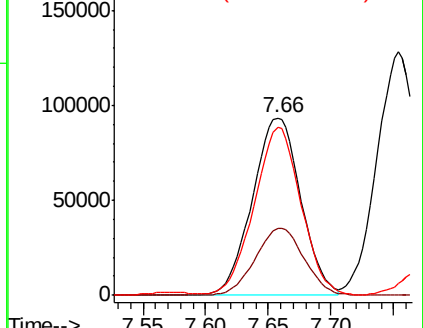
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.035 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

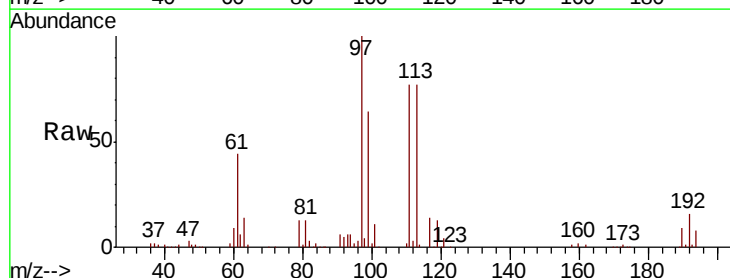
Tgt Ion: 97 Resp: 265822

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

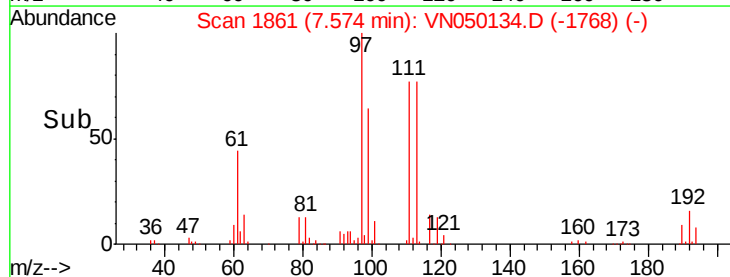
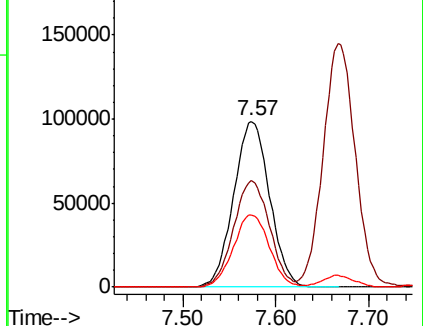
61 43.9 35.4 53.0

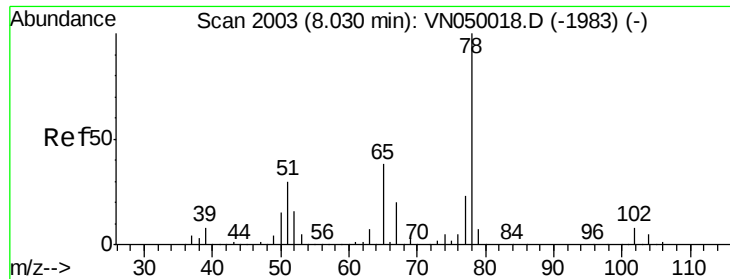


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





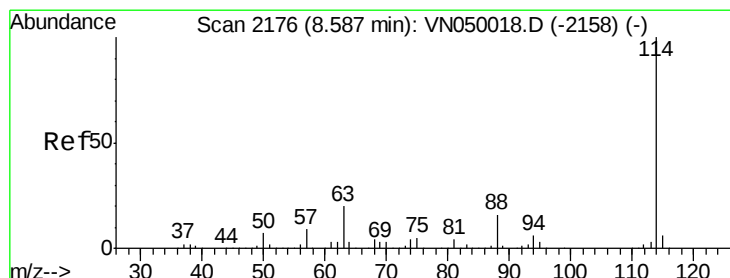
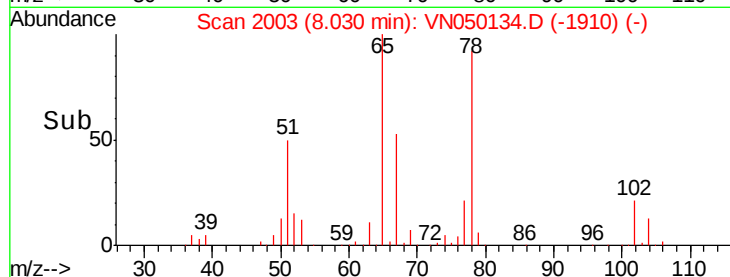
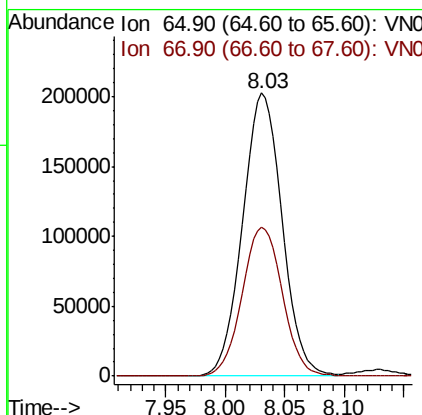
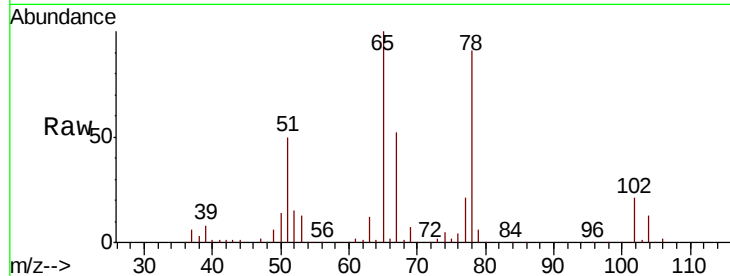
#33
 1,2-Dichloroethane-d4
 Concen: 48.357 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD02

Tot Ion: 65 Resp: 465828
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 108.4

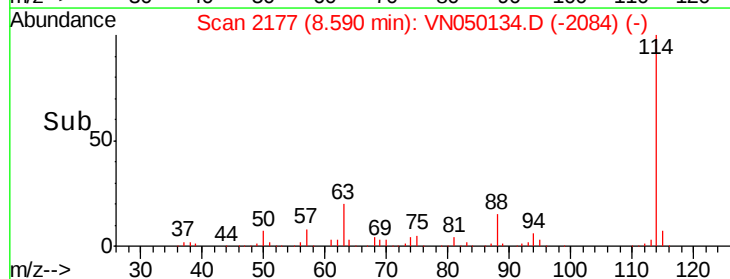
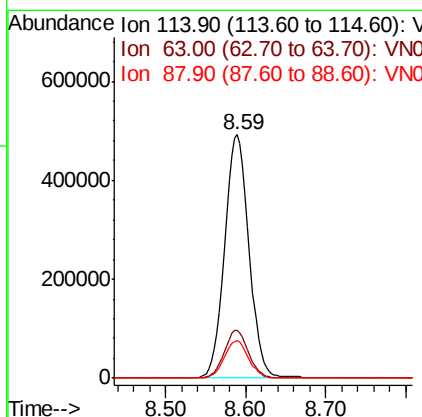
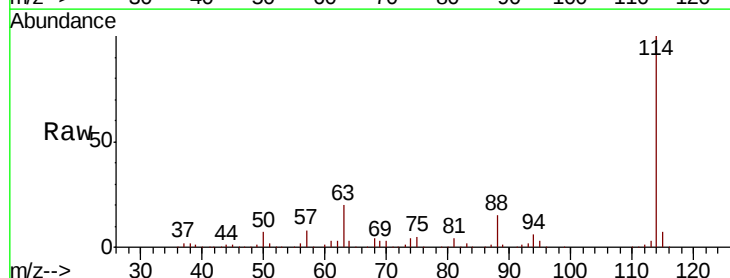
Manual Integrations
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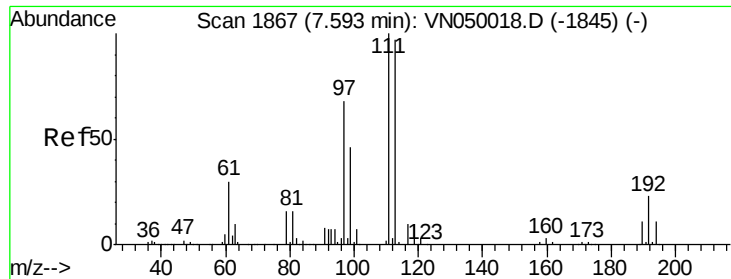
MMDadoda
 7/30/2018 1:37:19 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Tgt Ion: 114 Resp: 1029151
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.3 0.0 31.2





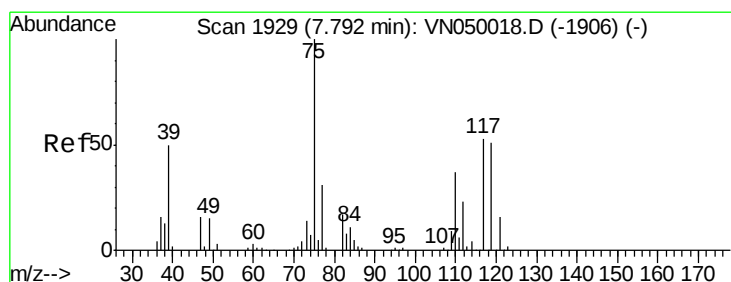
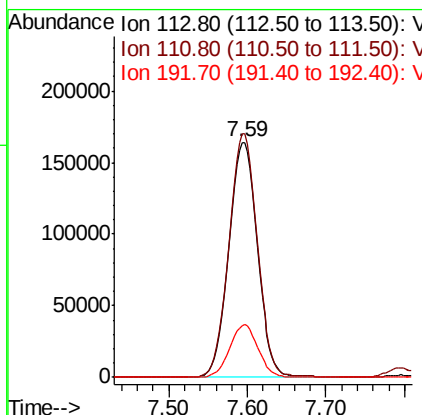
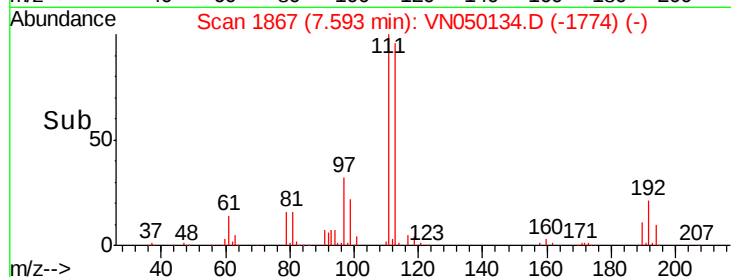
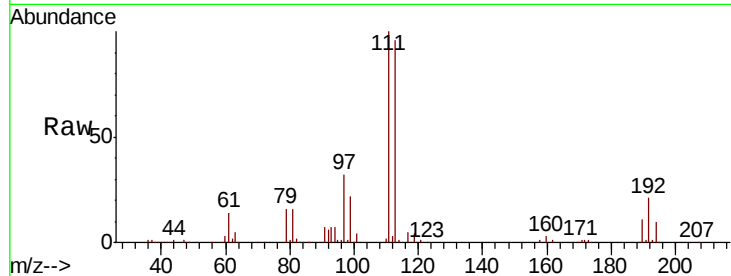
#35
 Dibromofluoromethane
 Concen: 49.388 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.3	80.7	121.1	
192	22.2	17.8	26.6	

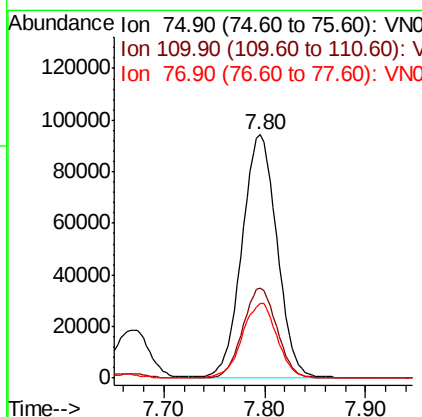
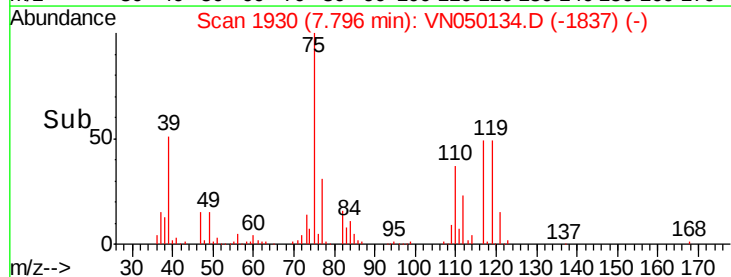
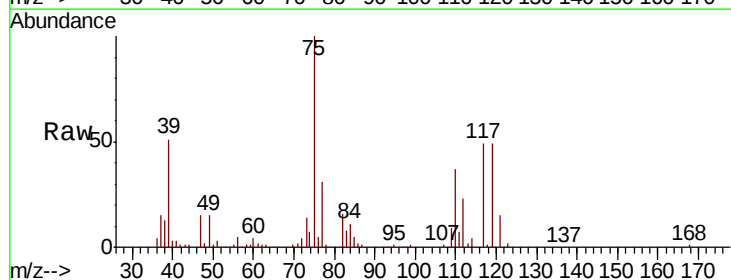
Manual Integrations
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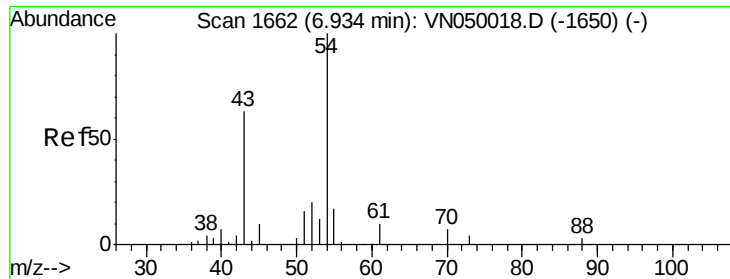
MMDadoda
 7/30/2018 1:37:19 PM



#36
 1,1-Dichloropropene
 Concen: 19.453 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.2	18.4	55.2	
77	31.1	25.3	37.9	





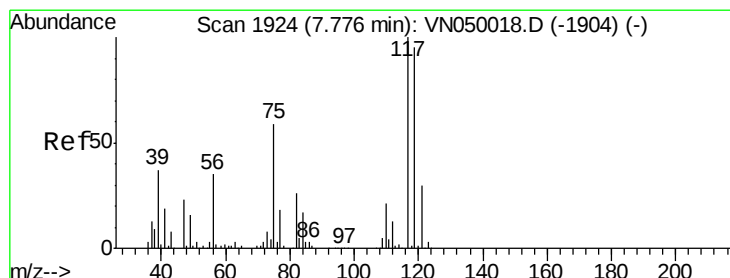
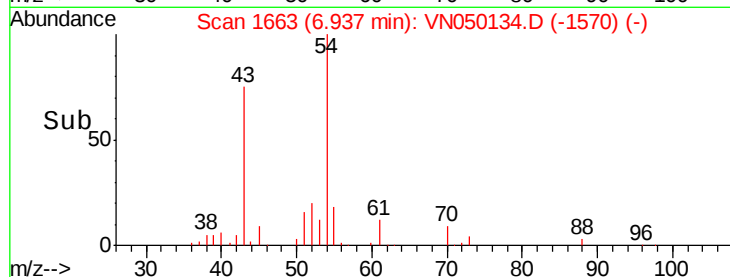
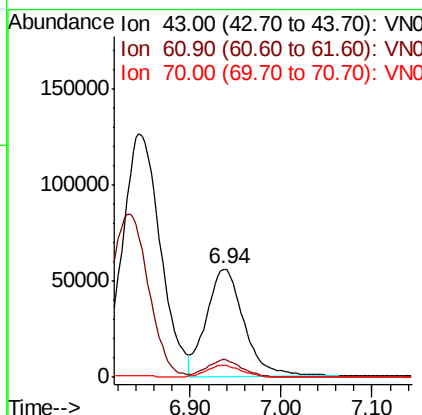
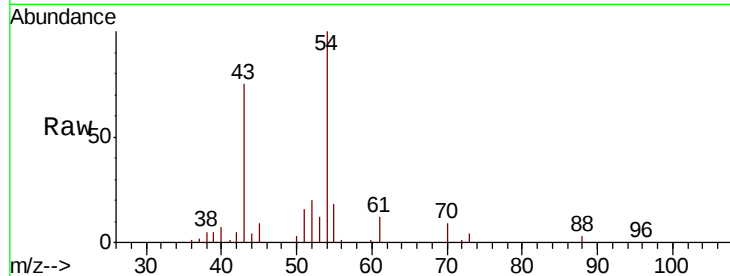
#37
Ethyl Acetate
Concen: 19.829 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.8	17.8
70	10.3	8.4	12.6

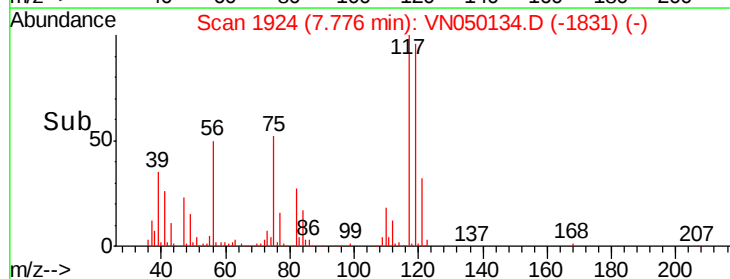
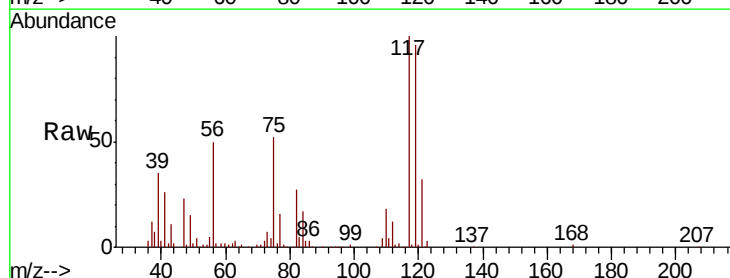
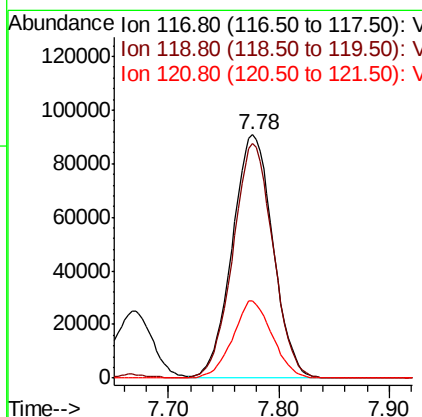
Manual Integrations
APPROVED

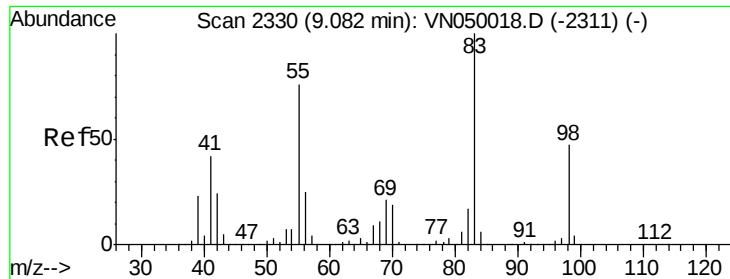
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#38
Carbon Tetrachloride
Concen: 18.909 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.4	116.0
121	31.8	23.9	35.9





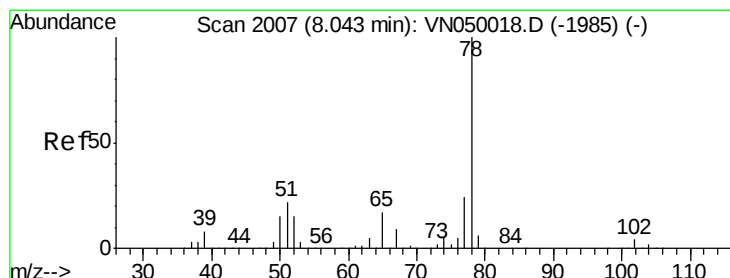
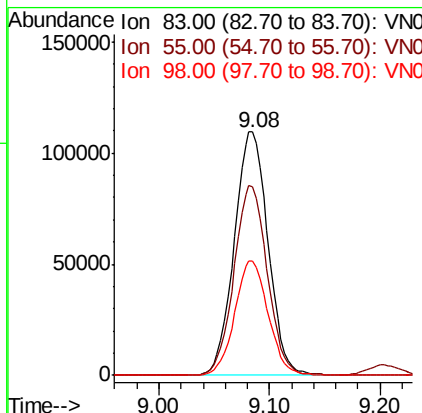
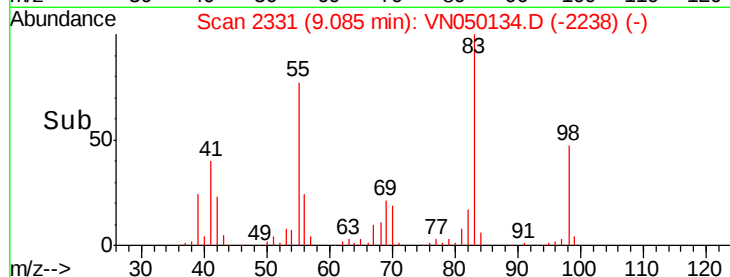
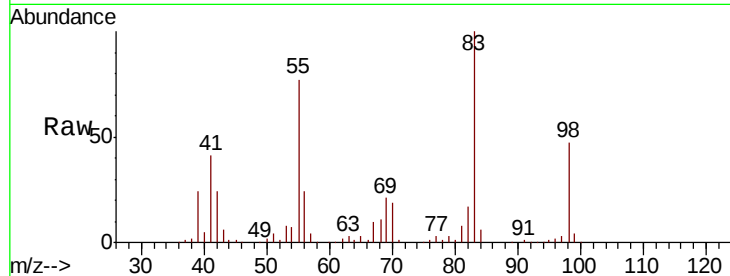
#39
Methvlcvclohexane
Concen: 19.515 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	232778		
55	77.4	61.8	92.8	
98	46.9	36.5	54.7	

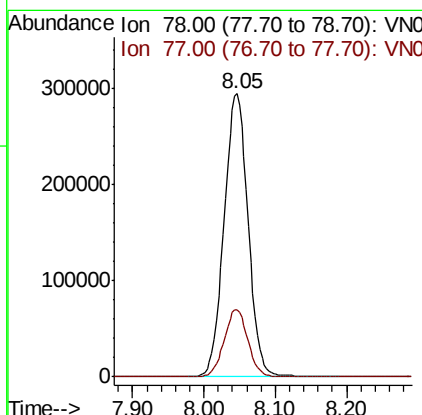
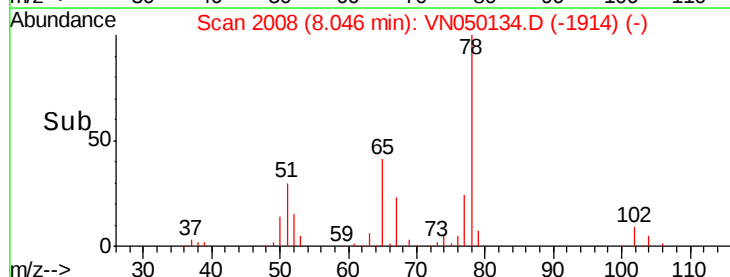
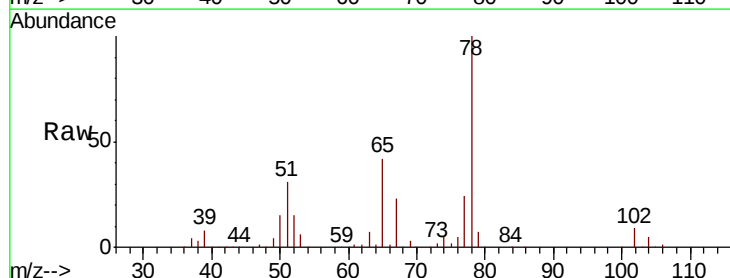
Manual Integrations
APPROVED

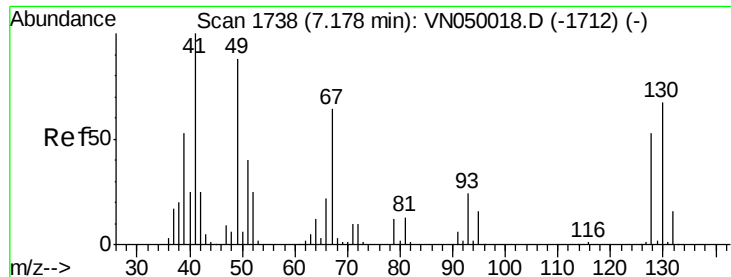
MMDadoda
7/30/2018 1:37:19 PM



#40
Benzene
Concen: 19.545 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	689613		
77	23.9	18.7	28.1	





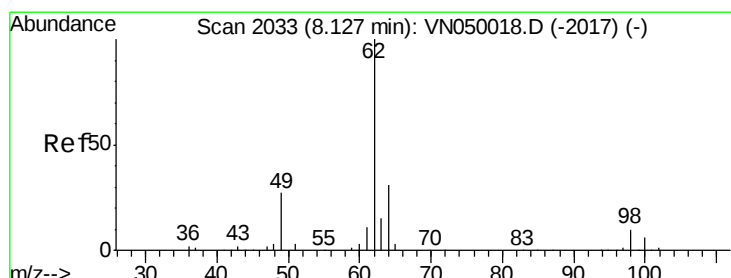
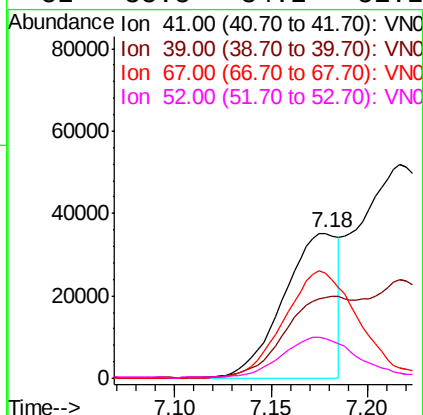
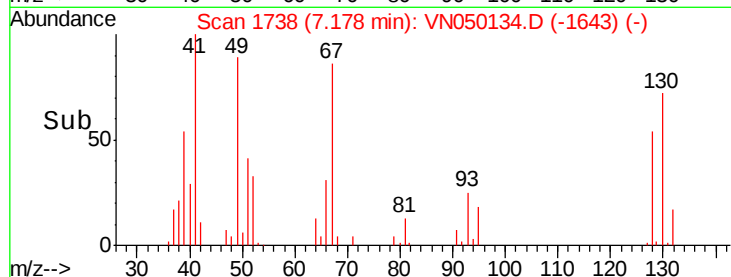
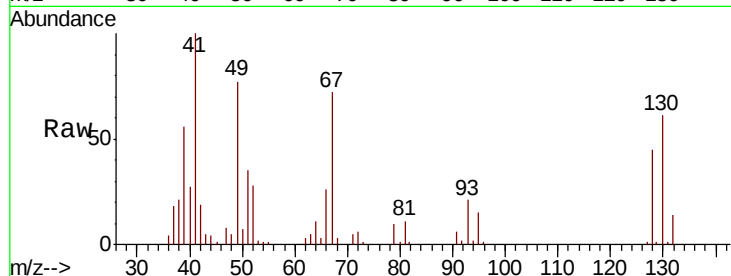
#41
Methacrylonitrile
Concen: 18.213 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

Tot Ion	41	Resp	68899
Ion Ratio	Lower	Upper	
41	100		
39	65.0	55.8	83.6
67	102.7	84.3	126.5
52	38.8	34.2	51.2

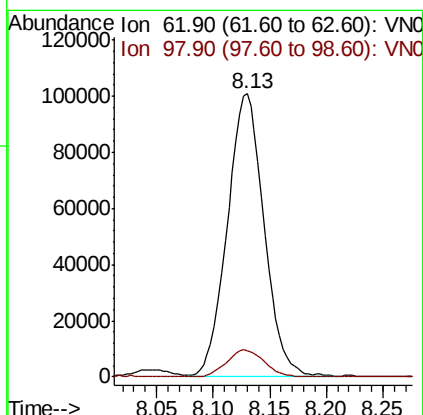
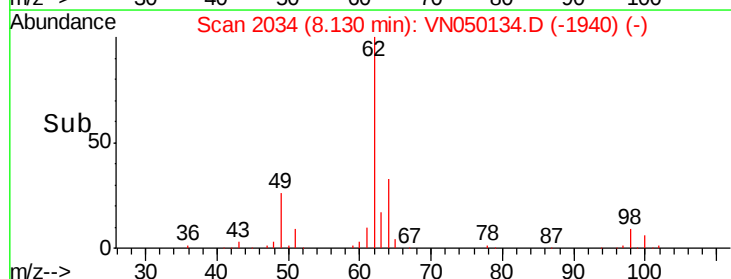
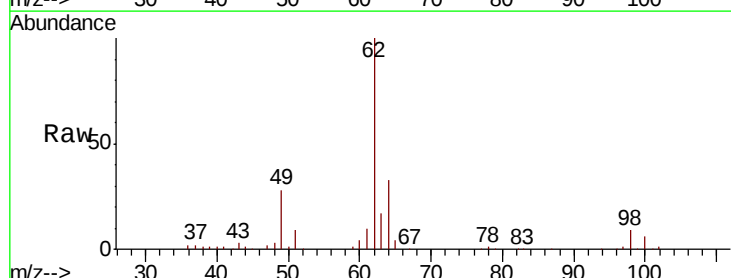
Manual Integrations
APPROVED

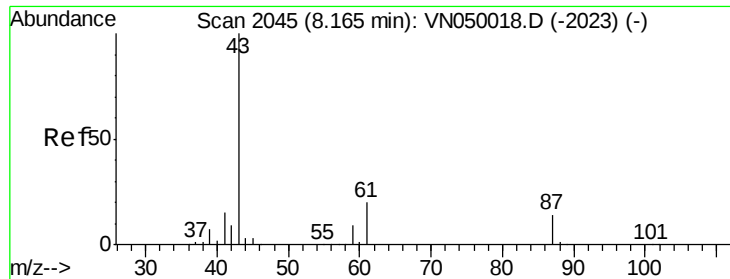
MMDadoda
7/30/2018 1:37:19 PM



#42
1,2-Dichloroethane
Concen: 19.231 ug/l
RT: 8.13 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion	62	Resp	226369
Ion Ratio	Lower	Upper	
62	100		
98	9.8	0.0	18.8





#43

Isopropyl Acetate

Concen: 19.828 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

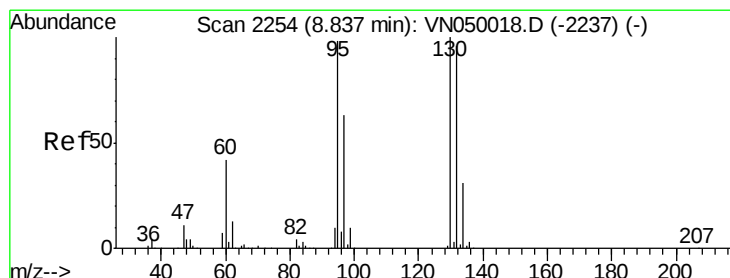
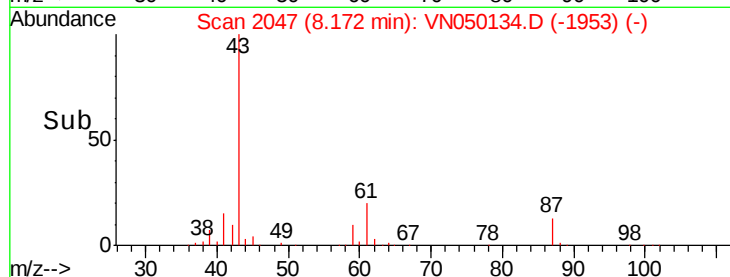
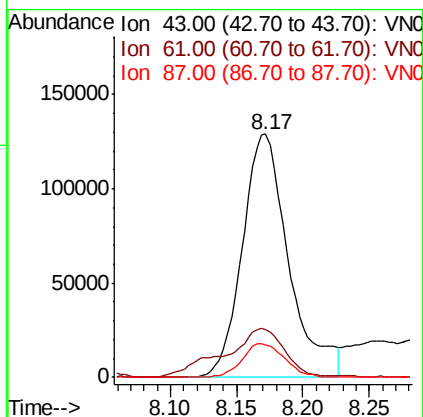
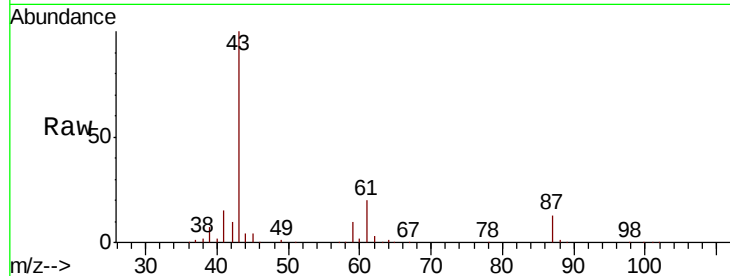
VN0727WBSD02

Tot Ion: 43 Resp: 312538

Ion	Ratio	Lower	Upper
43	100		
61	25.7	15.8	23.6#
87	12.8	10.3	15.5

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7/30/2018 1:37:19 PM



#44

Trichloroethene

Concen: 18.952 ug/l

RT: 8.84 min Scan# 2254

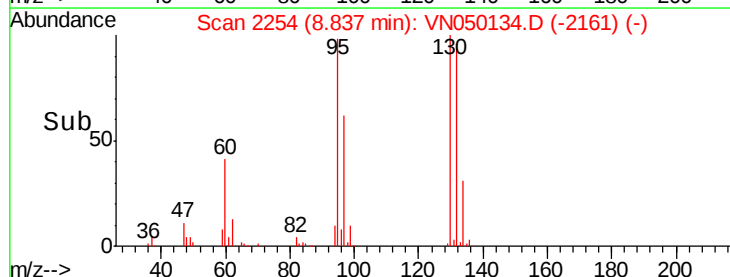
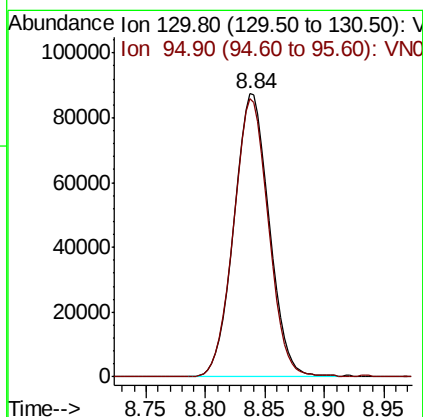
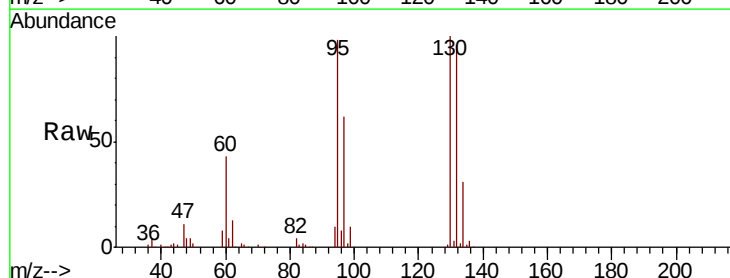
Delta R.T. 0.00 min

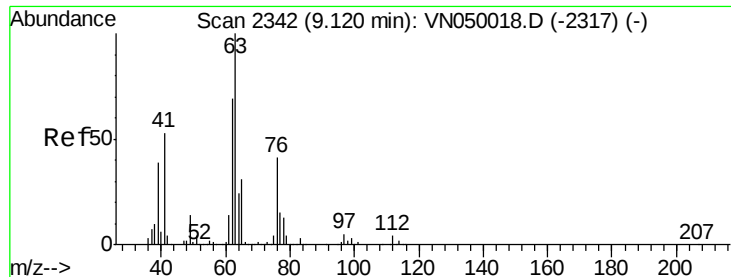
Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Tgt Ion: 130 Resp: 179680

Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	194.6





#45

1,2-Dichloropropane

Concen: 19.449 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

Tot Ion: 63 Resp: 181756

Ion Ratio Lower Upper

63 100

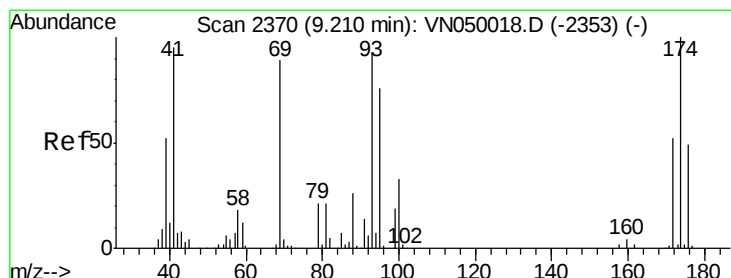
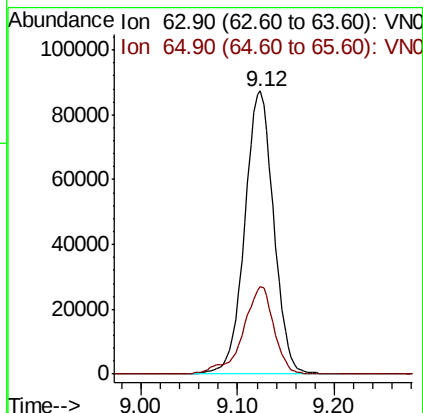
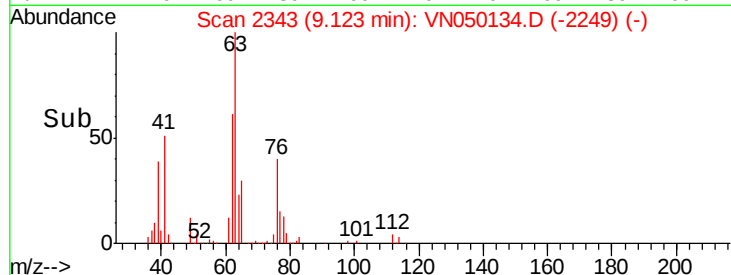
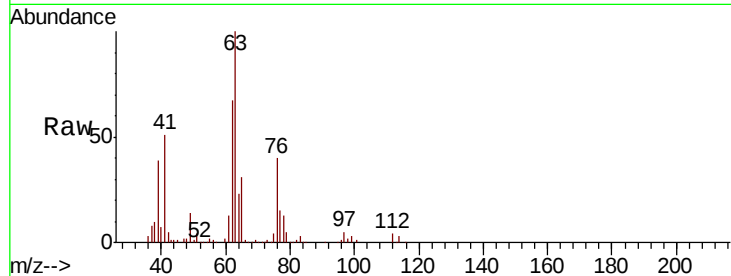
65 31.0 25.5 38.3

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#46

Dibromomethane

Concen: 19.300 ug/l

RT: 9.21 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

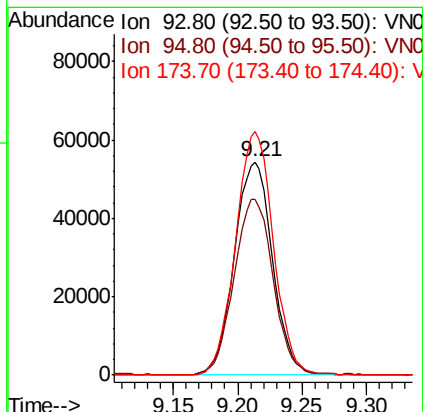
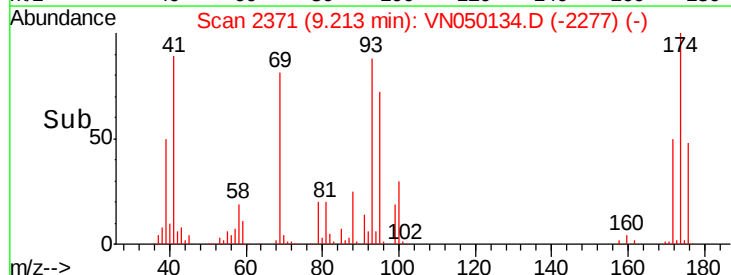
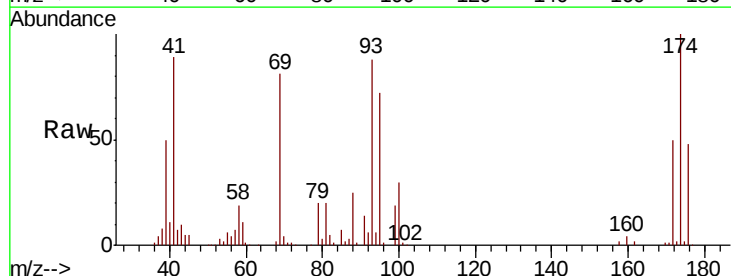
Tgt Ion: 93 Resp: 111991

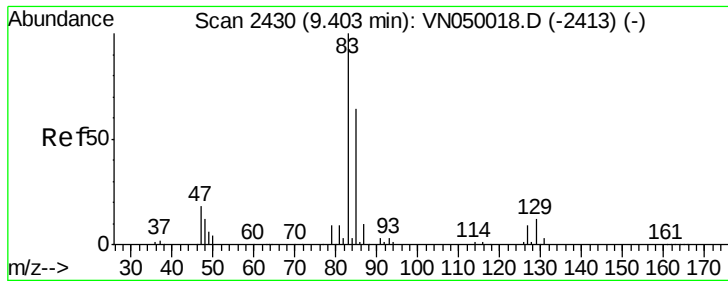
Ion Ratio Lower Upper

93 100

95 84.8 66.6 100.0

174 113.4 87.1 130.7





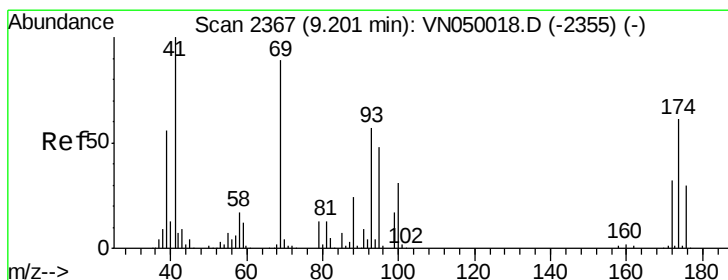
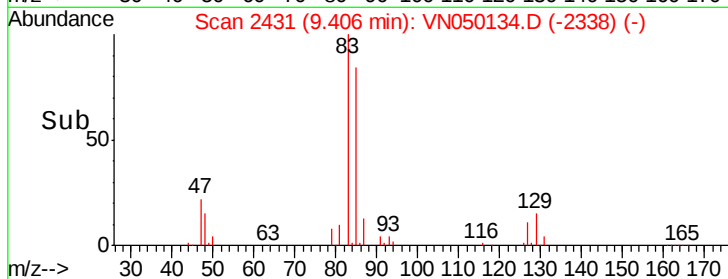
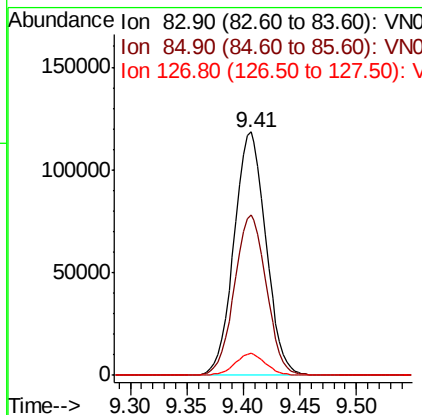
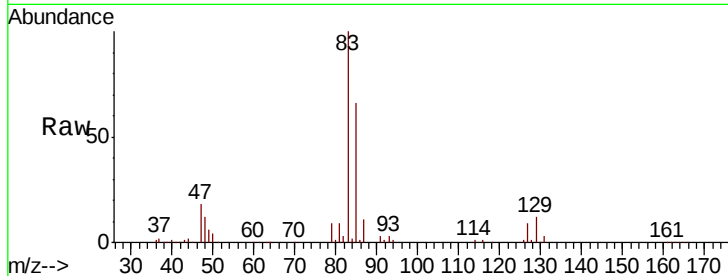
#47
Bromodichloromethane
Concen: 19.002 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

Tot Ion	83	Resp	232724
Ion Ratio	100	Lower	Upper
83	100		
85	66.0	51.1	76.7
127	8.9	7.0	10.4

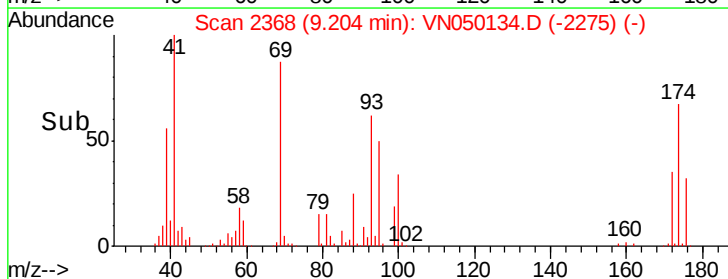
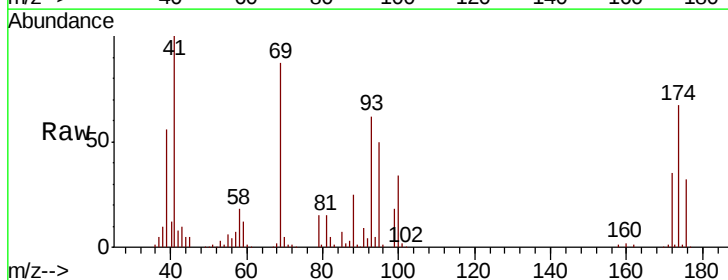
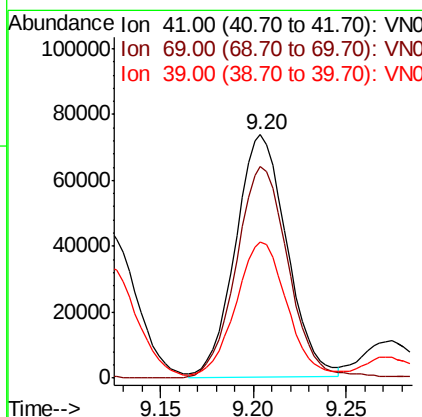
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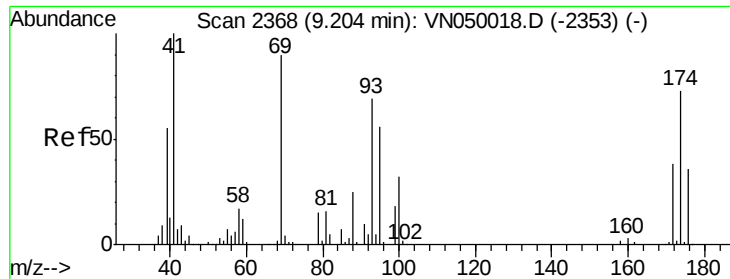
MMDadoda
7/30/2018 1:37:19 PM



#48
Methyl methacrylate
Concen: 20.327 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion	41	Resp	141517
Ion Ratio	100	Lower	Upper
41	100		
69	89.3	70.6	105.8
39	55.8	43.9	65.9





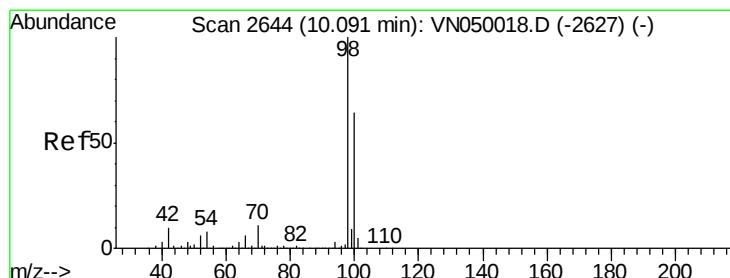
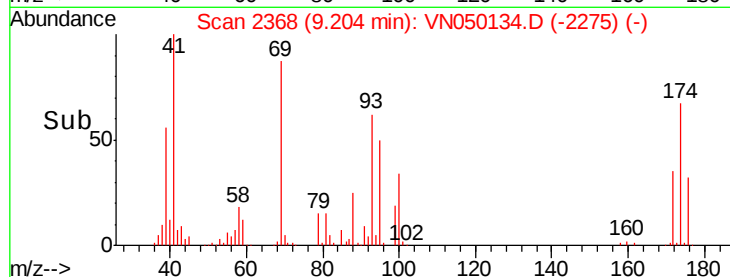
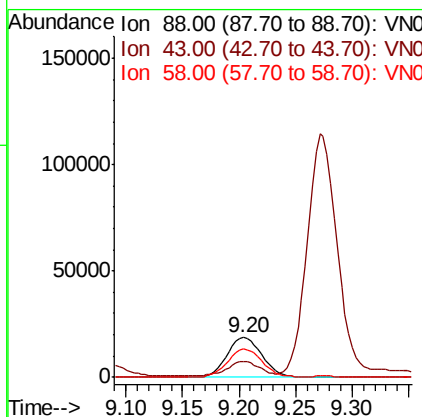
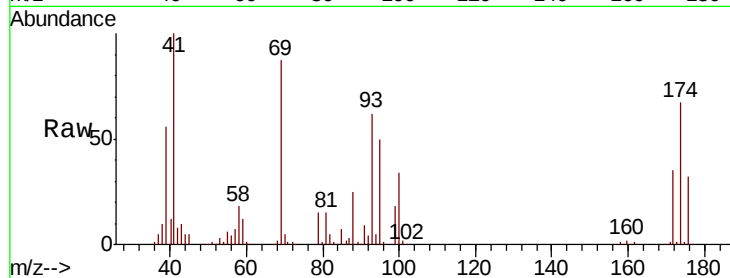
#49
1,4-Dioxane
Concen: 431.506 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

Tot Ion	88	Resp	40884
Ion	Ratio	Lower	Upper
88	100		
43	34.0	26.9	40.3
58	69.9	57.3	85.9

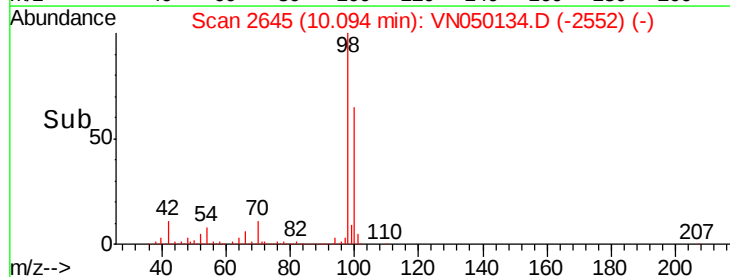
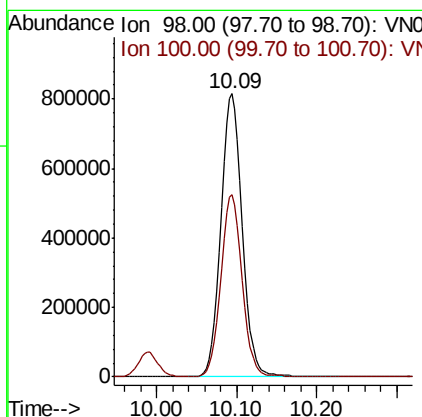
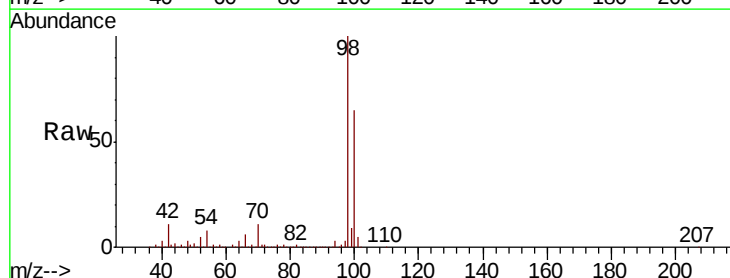
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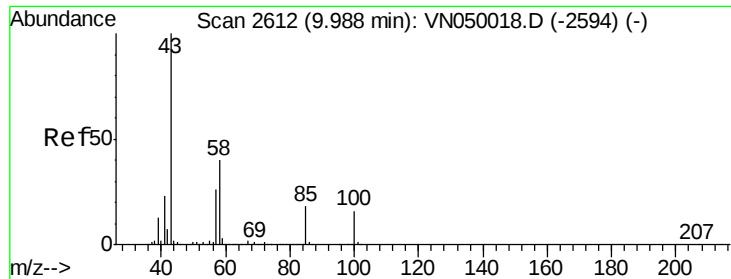
MMDadoda
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#50
Toluene-d8
Concen: 48.740 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion	98	Resp	1505662
Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.7	76.1





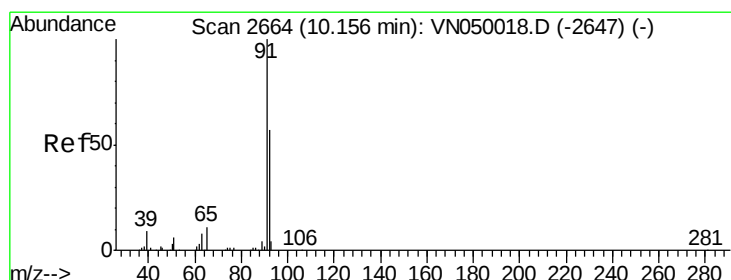
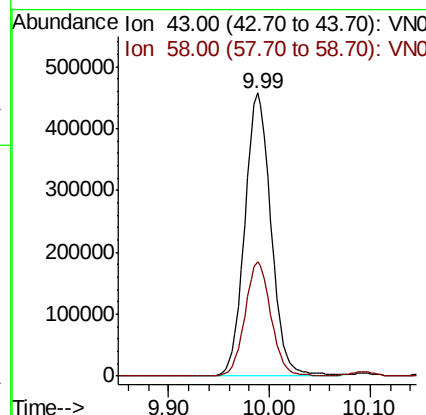
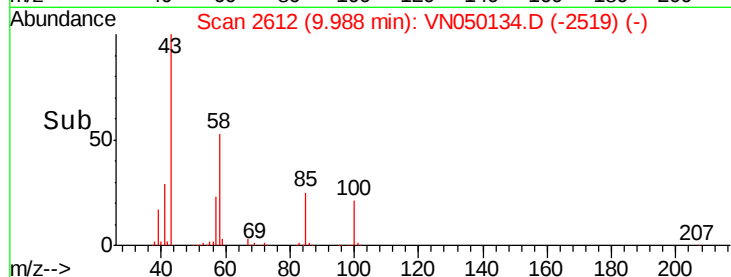
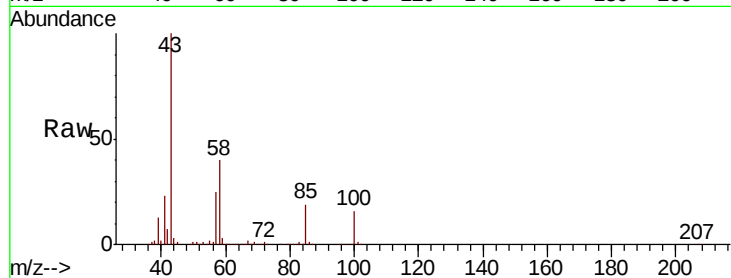
#51
4-Methyl-2-Pentanone
Concen: 103.283 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleID :
VN0727WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.9	47.9

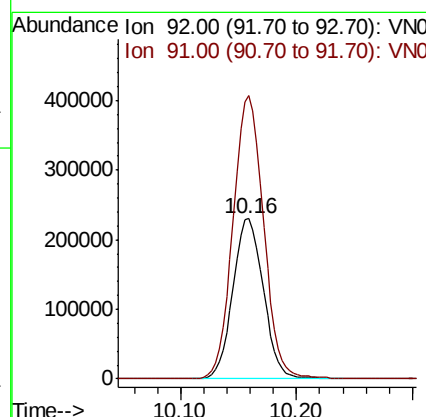
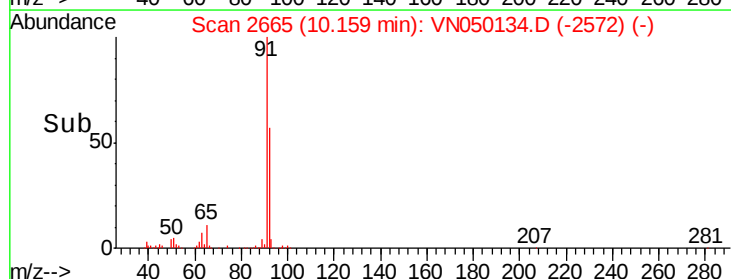
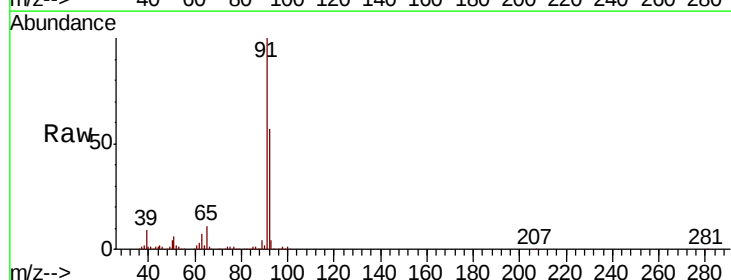
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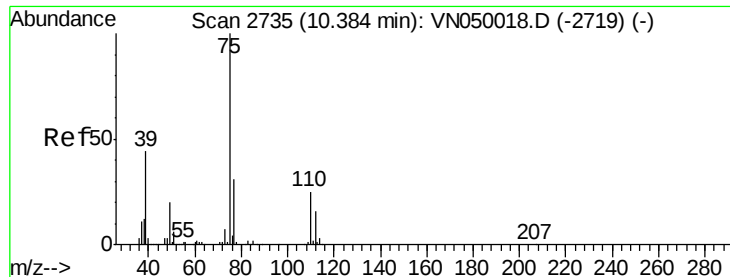
MMDadoda
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#52
Toluene
Concen: 20.239 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.7	140.3	210.5





#53

t-1,3-Dichloropropene

Concen: 19.894 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

Tot Ion: 75 Resp: 229911

Ion Ratio Lower Upper

75 100

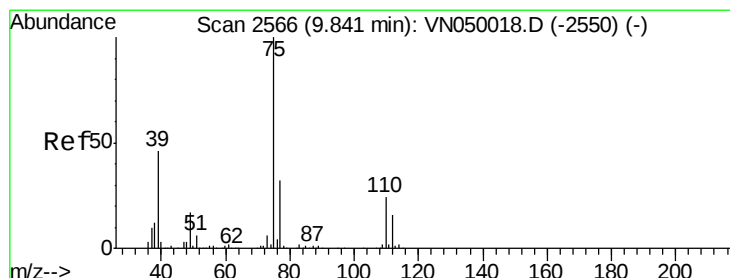
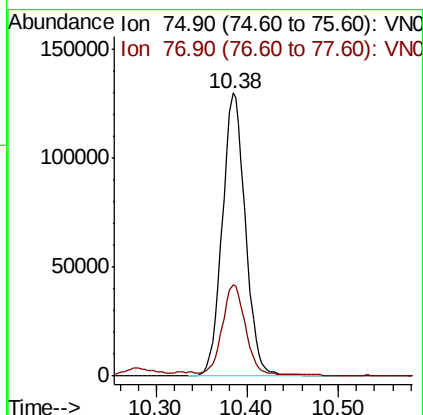
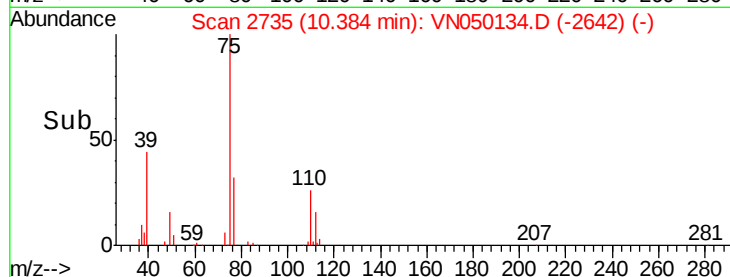
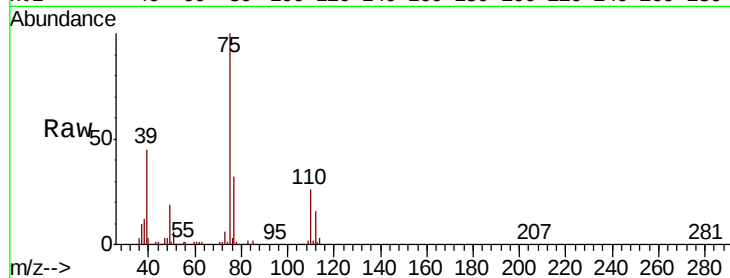
77 32.0 24.9 37.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.684 ug/l

RT: 9.84 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

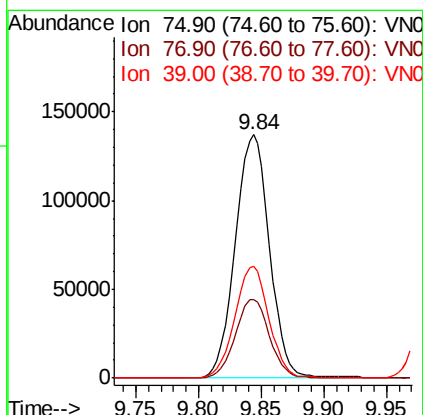
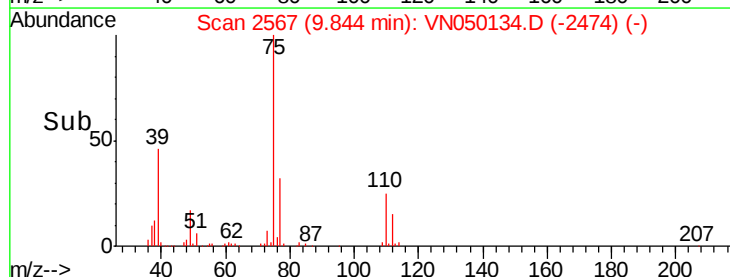
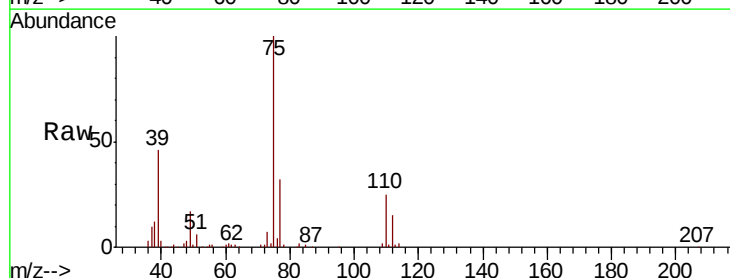
Tgt Ion: 75 Resp: 259982

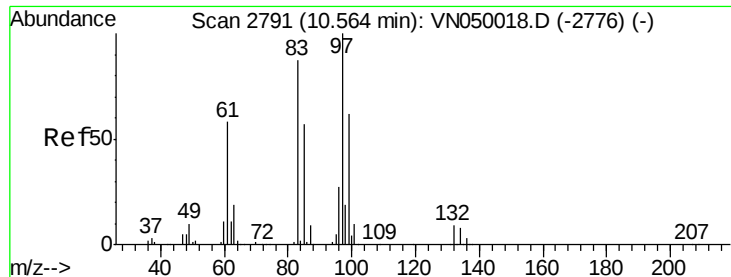
Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3

39 46.0 36.6 55.0





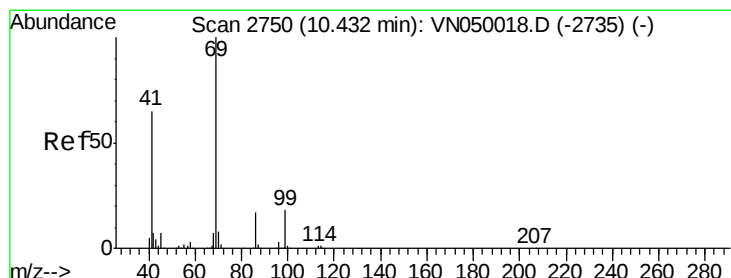
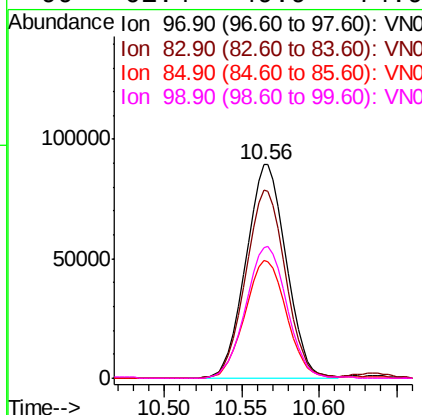
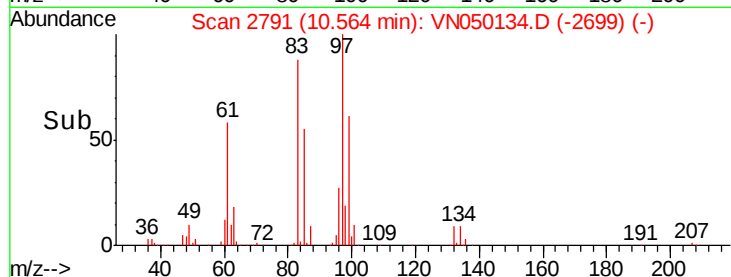
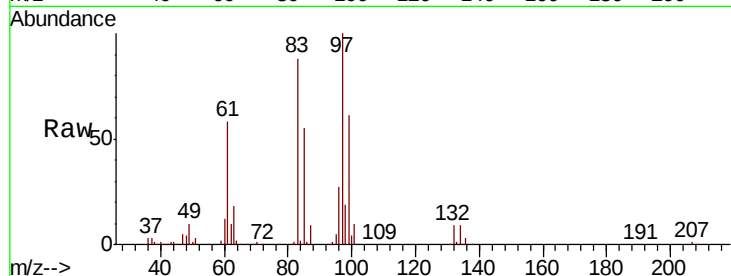
#55
 1,1,2-Trichloroethane
 Concen: 19.646 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		162296		
83	88.1	69.2	103.8		
85	55.2	44.0	66.0		
99	61.4	49.9	74.9		

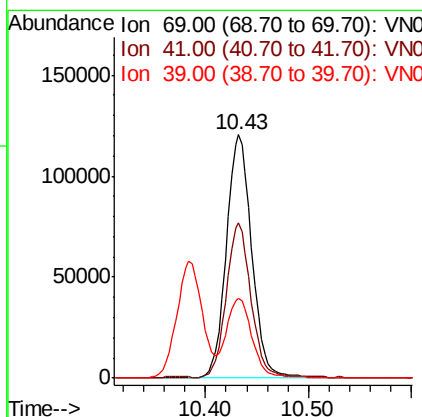
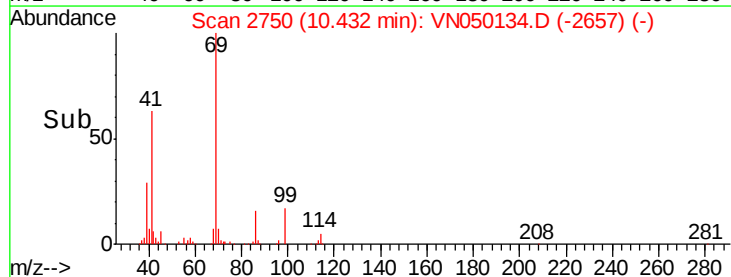
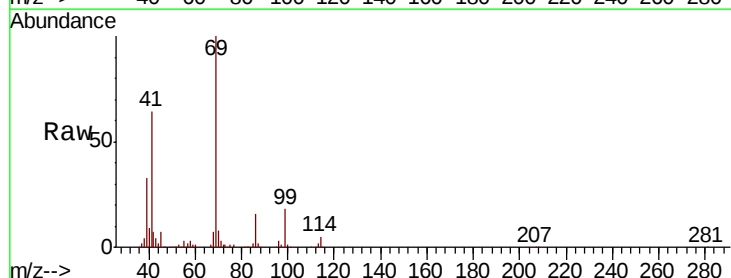
Manual Integrations
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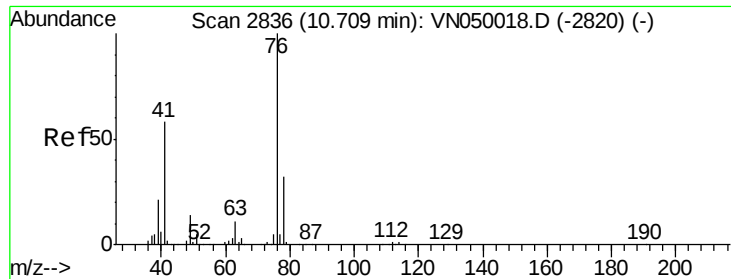
MMDadoda
 7/30/2018 1:37:19 PM



#56
 Ethyl methacrylate
 Concen: 19.780 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		207036		
41	61.3	51.0	76.4		
39	33.0	26.6	40.0		





#57

1,3-Dichloropropane

Concen: 20.037 ug/l

RT: 10.71 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

Tot Ion: 76 Resp: 269538

Ion Ratio Lower Upper

76 100

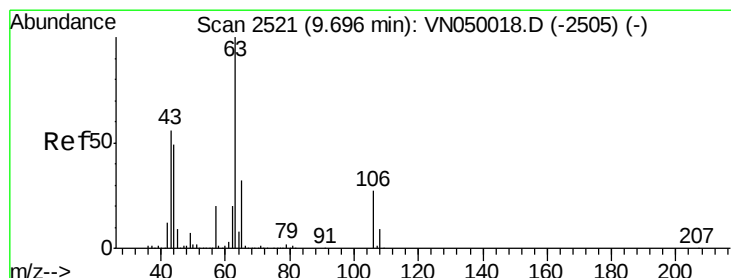
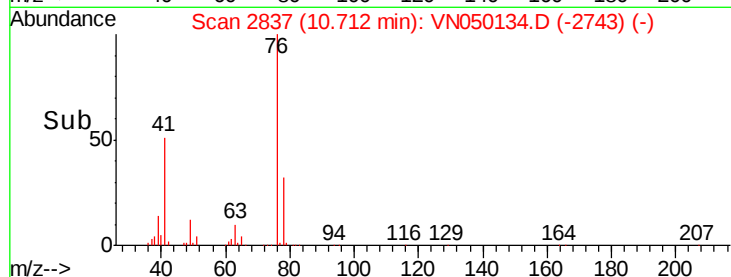
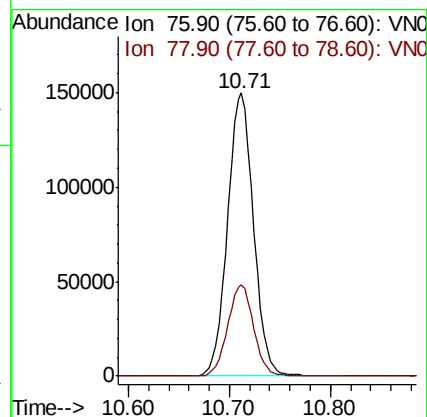
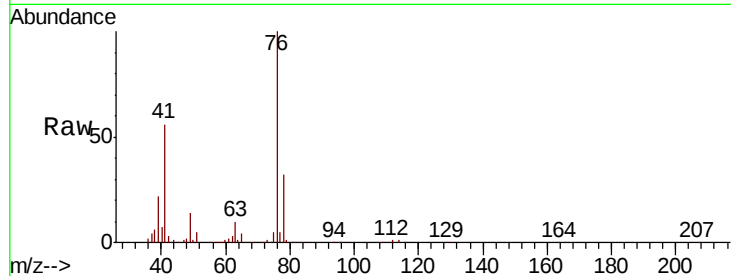
78 32.2 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 89.347 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050134.D

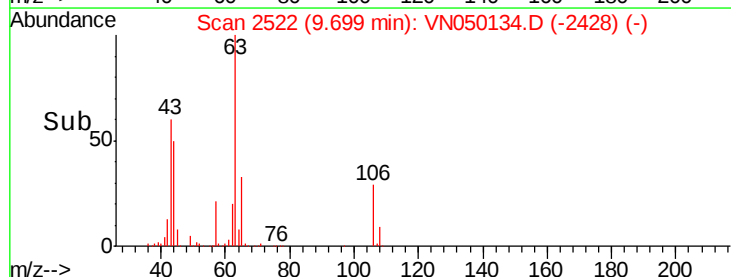
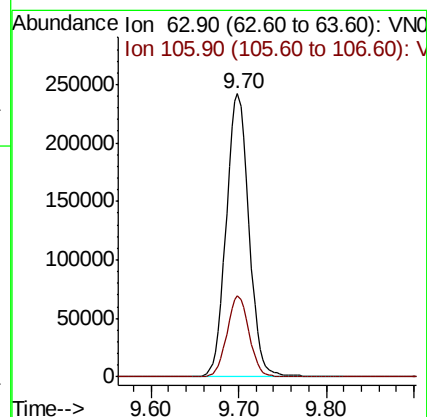
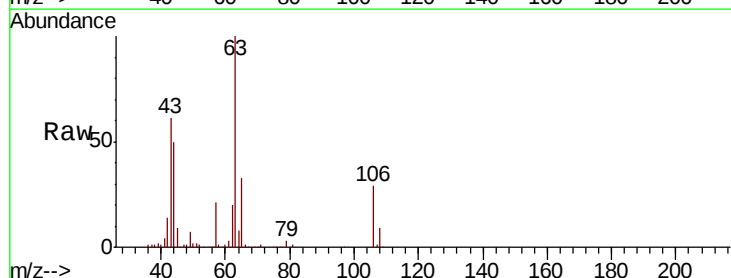
Acq: 27 Jul 2018 17:03

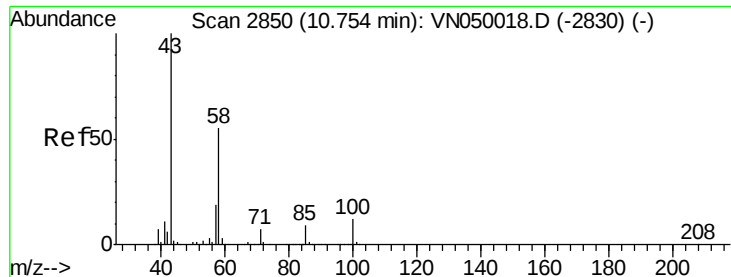
Tgt Ion: 63 Resp: 437462

Ion Ratio Lower Upper

63 100

106 27.8 21.7 32.5





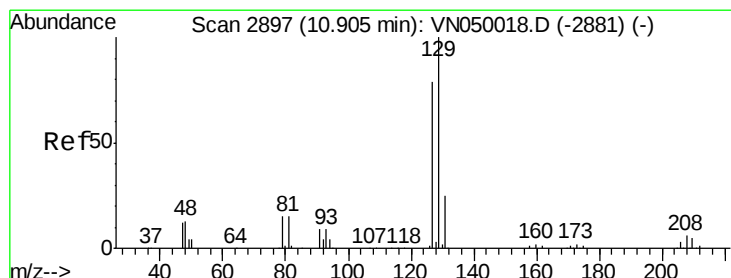
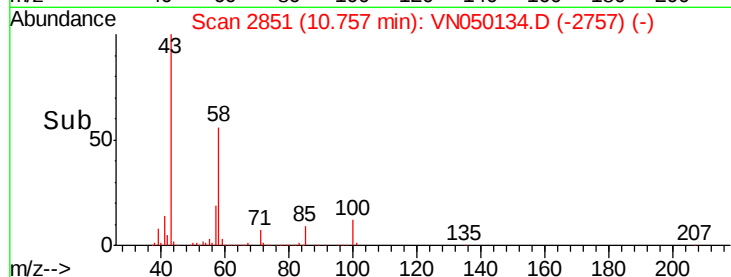
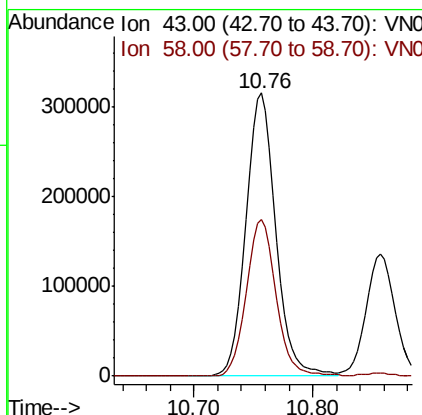
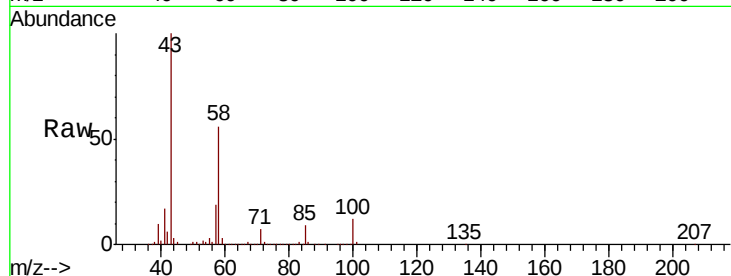
#59
2-Hexanone
Concen: 96.519 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

Tot Ion: 43 Resp: 544681
Ion Ratio Lower Upper
43 100
58 55.4 27.6 82.7

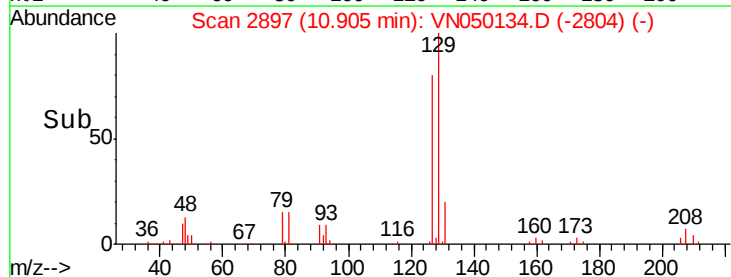
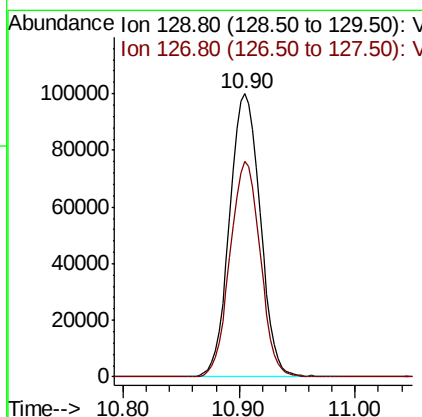
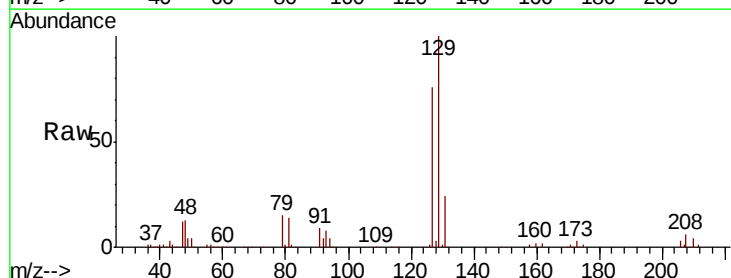
Manual Integrations
APPROVED

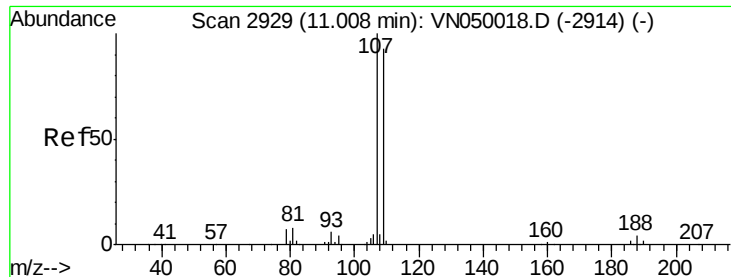
MMDadoda
7/30/2018 1:37:19 PM



#60
Dibromochloromethane
Concen: 20.036 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion: 129 Resp: 183258
Ion Ratio Lower Upper
129 100
127 75.0 38.0 113.9





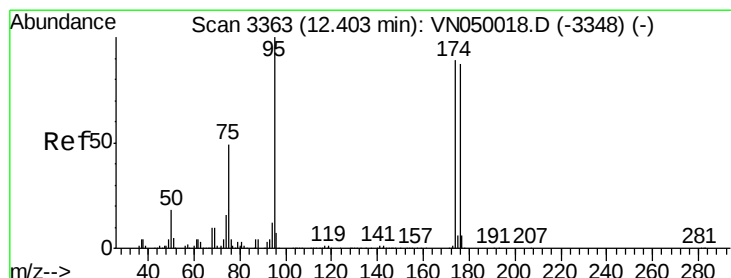
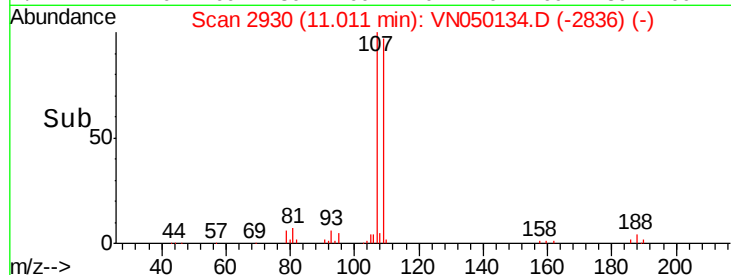
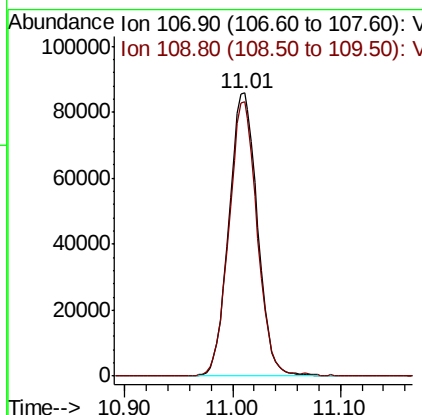
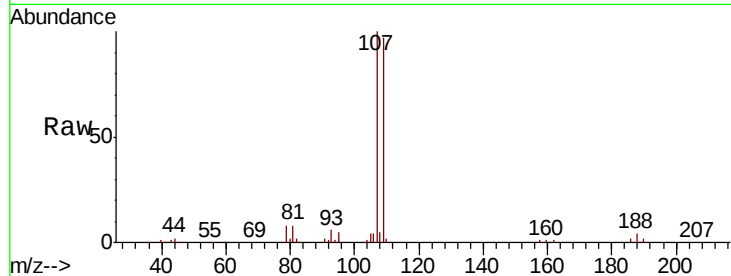
#61
 1,2-Dibromoethane
 Concen: 19.312 ug/l
 RT: 11.01 min Scan# 2930
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	74.6	112.0

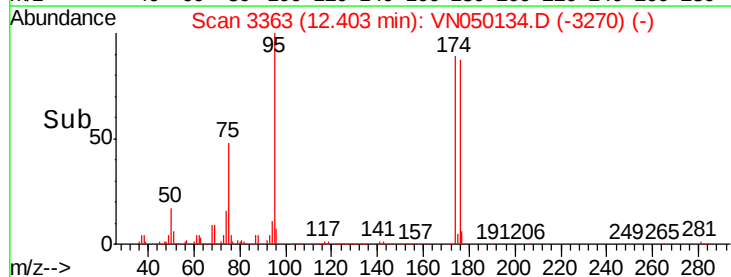
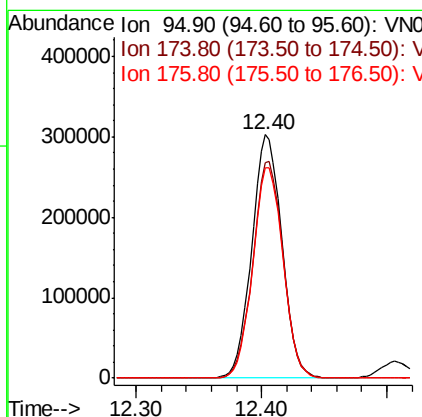
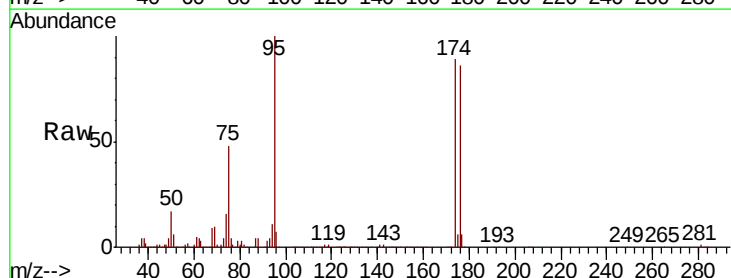
Manual Integrations
 APPROVED

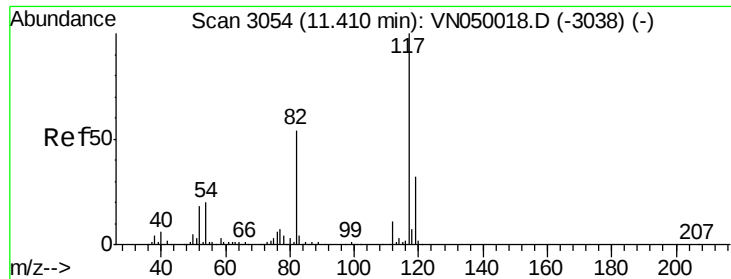
MMDadoda
 7/30/2018 1:37:19 PM



#62
 4-Bromofluorobenzene
 Concen: 49.557 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	178.2
176	87.2	0.0	173.4





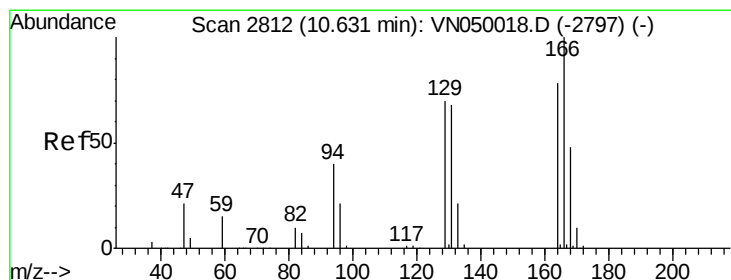
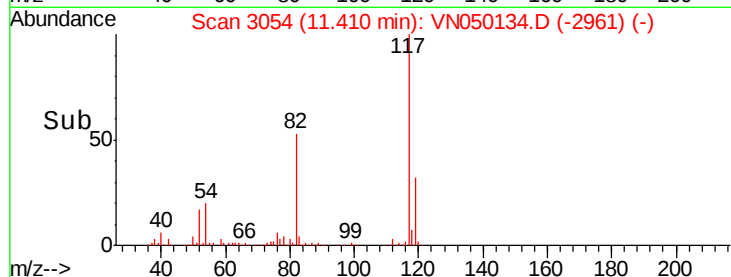
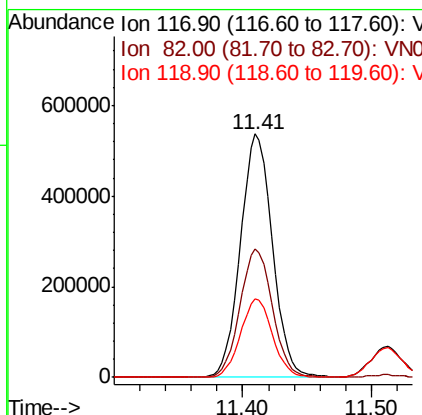
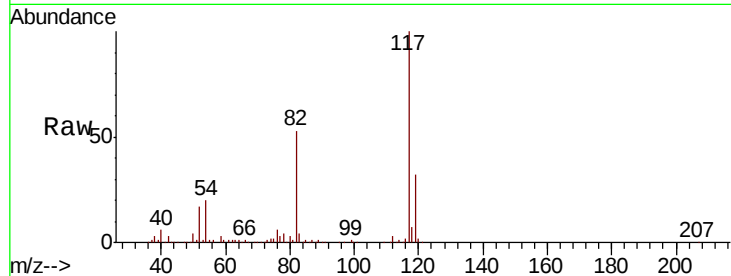
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.7	65.5
119	32.1	26.1	39.1

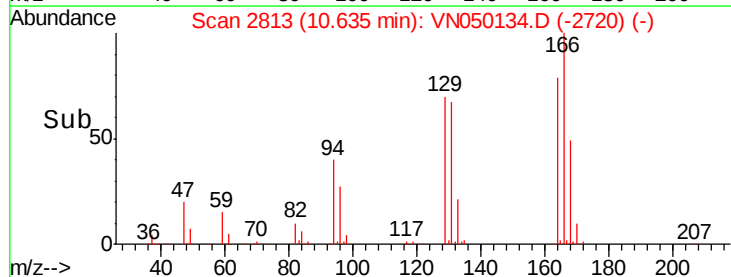
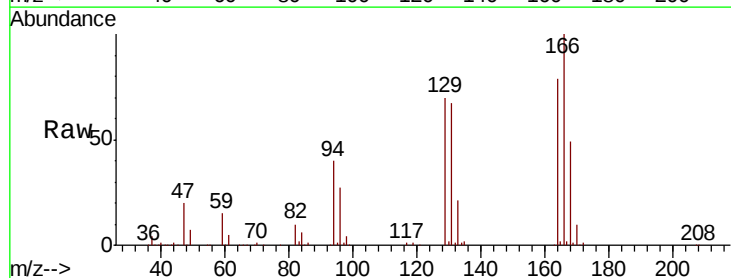
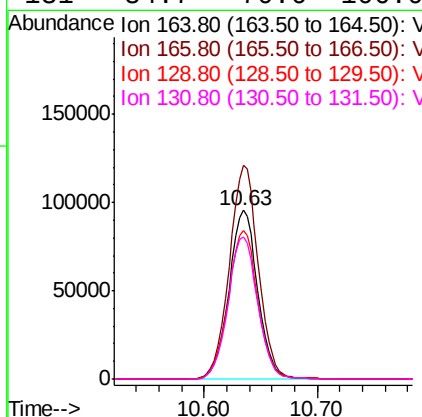
Manual Integrations
APPROVED

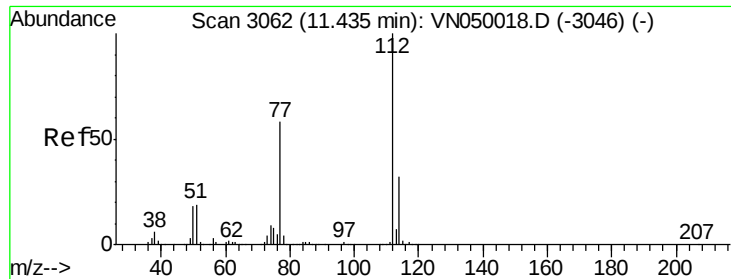
MMDadoda
7/30/2018 1:37:19 PM



#64
Tetrachloroethene
Concen: 18.829 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	102.1	153.1
129	88.5	73.2	109.8
131	84.7	70.6	106.0





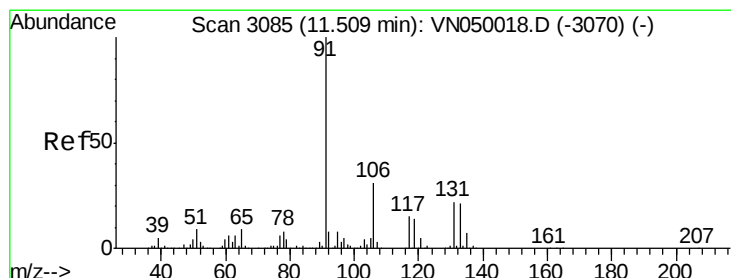
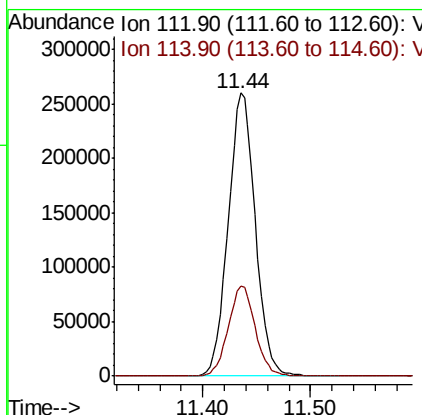
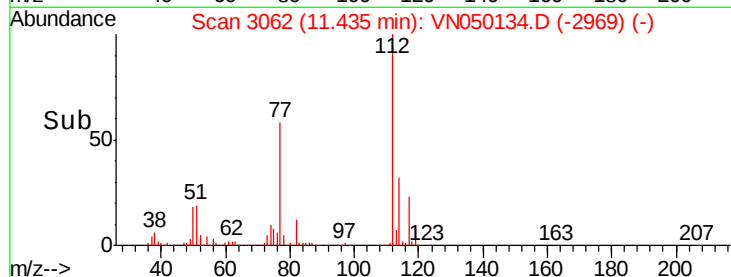
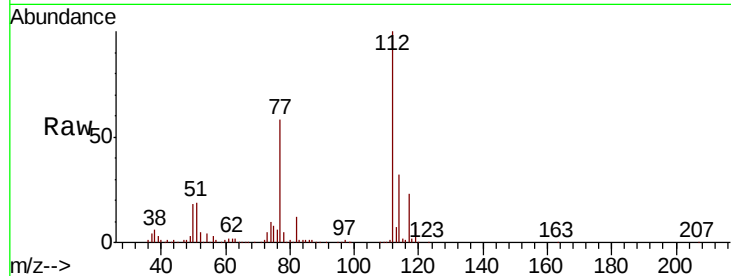
#65
Chlorobenzene
Concen: 19.378 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

Tot Ion:112 Resp: 454746
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4

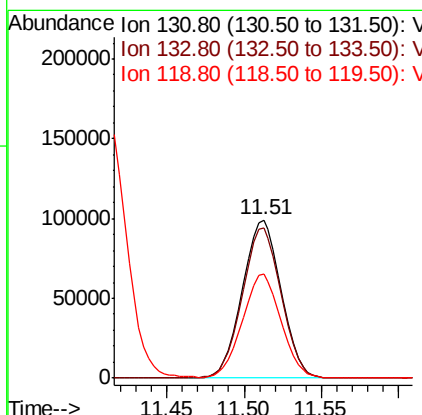
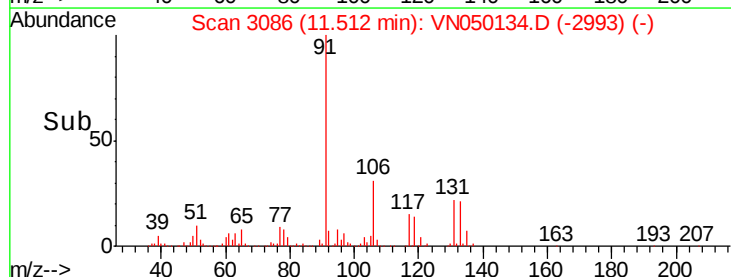
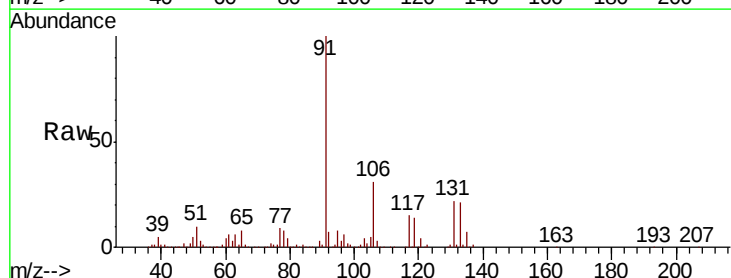
Manual Integrations
APPROVED

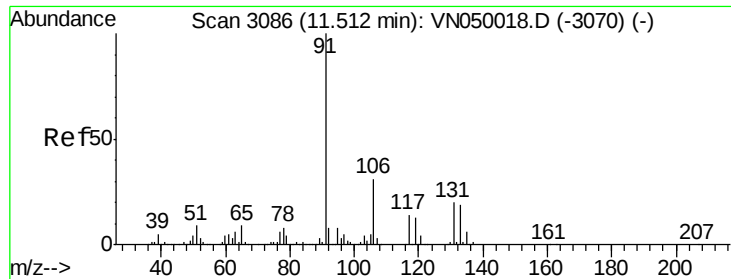
MMDadoda
7/30/2018 1:37:19 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.166 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion:131 Resp: 172814
Ion Ratio Lower Upper
131 100
133 95.7 47.3 141.9
119 65.1 32.9 98.7





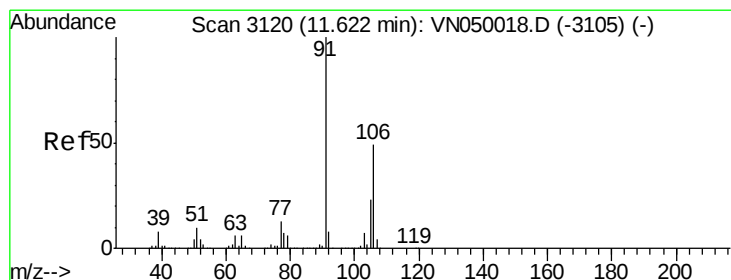
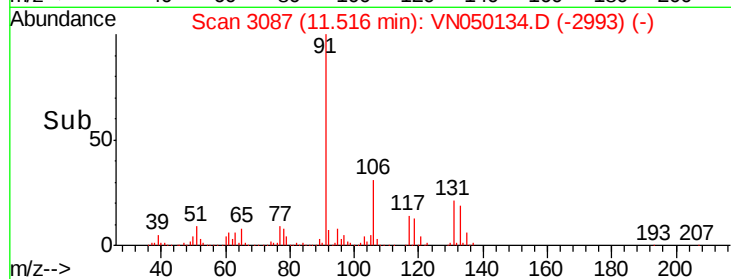
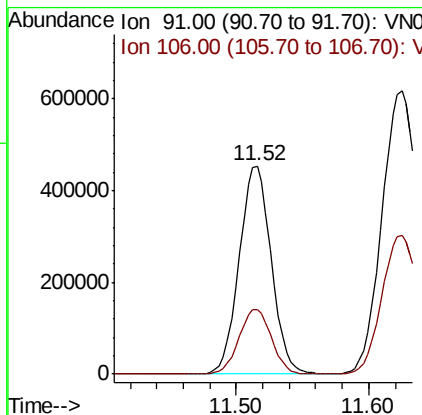
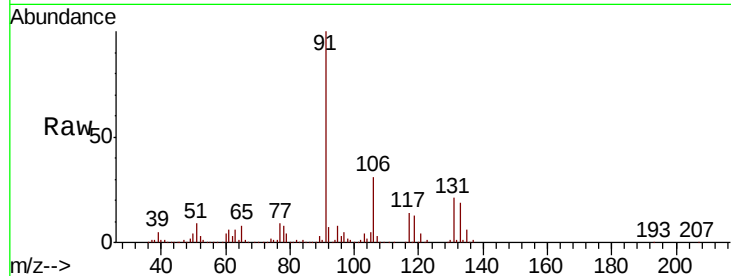
#67
Ethyl Benzene
Concen: 20.219 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.0	37.4

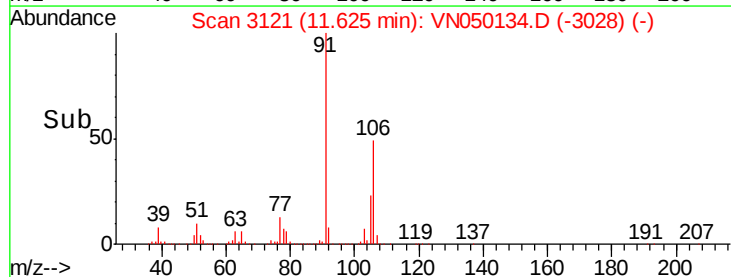
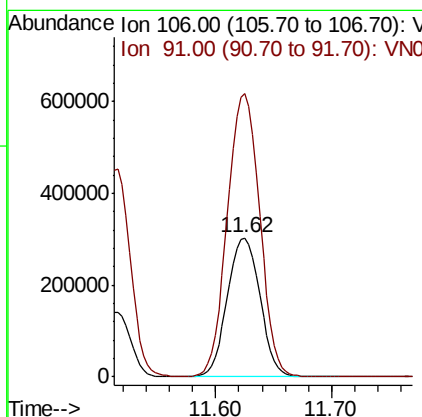
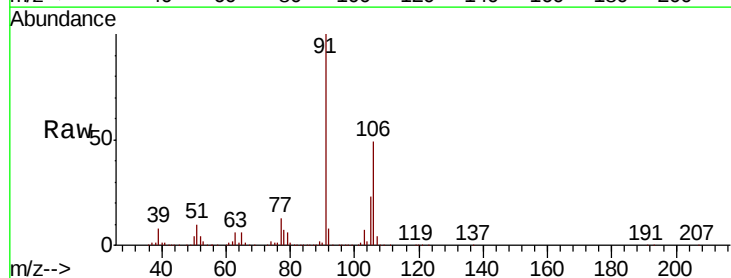
Manual Integrations
APPROVED

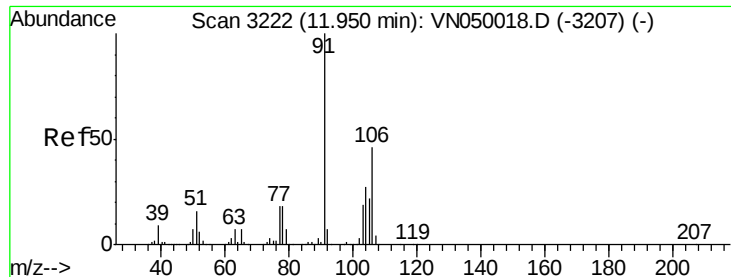
MMDadoda
7/30/2018 1:37:19 PM



#68
m/p-Xylenes
Concen: 41.515 ug/l
RT: 11.62 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.2	162.2	243.2





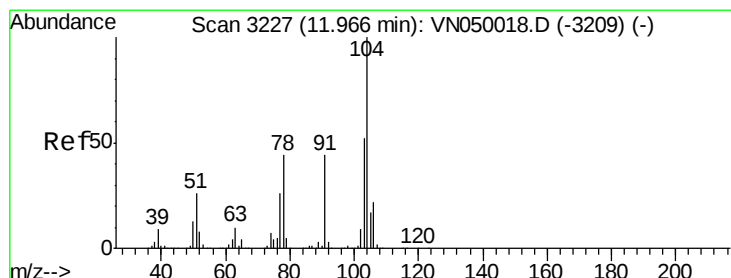
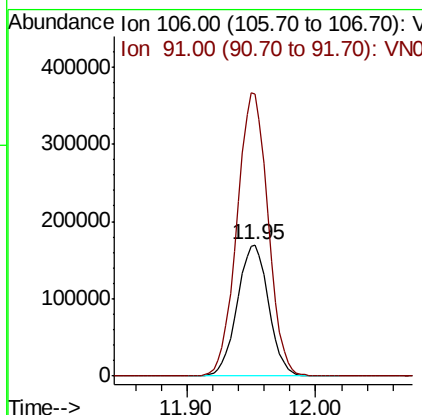
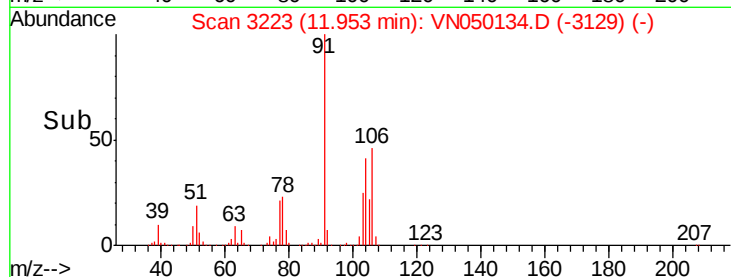
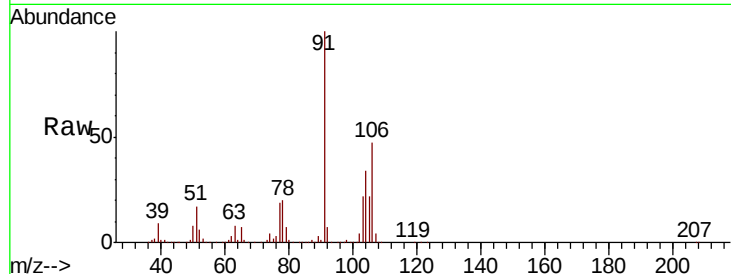
#69
o-Xylene
Concen: 21.061 ug/l
RT: 11.95 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.9	107.7	323.1

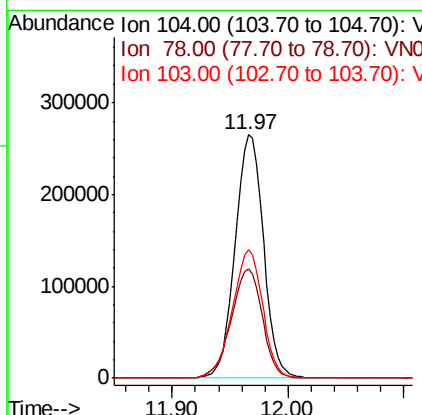
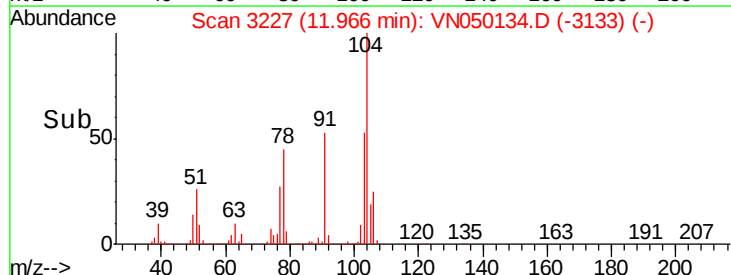
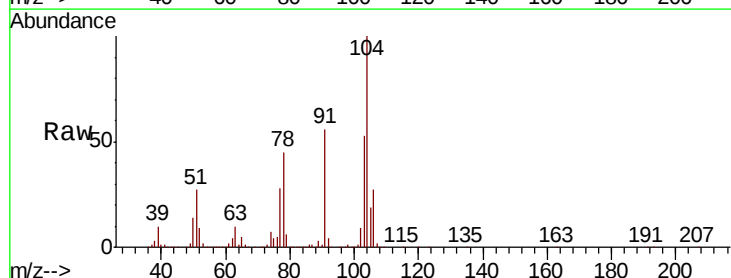
Manual Integrations
APPROVED

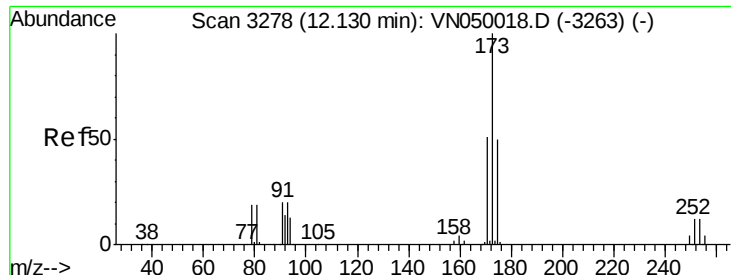
MMDadoda
7/30/2018 1:37:19 PM



#70
Styrene
Concen: 19.152 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.3	58.9
103	56.4	45.0	67.6





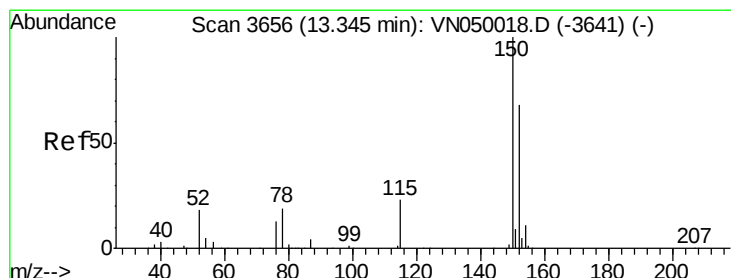
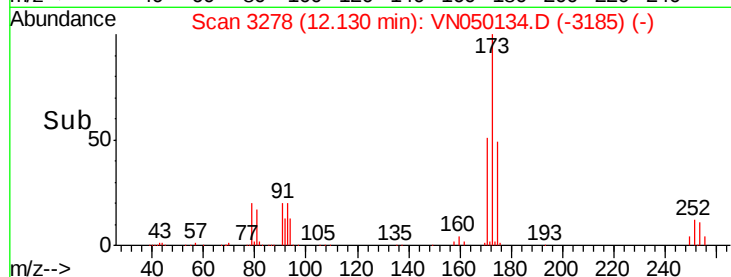
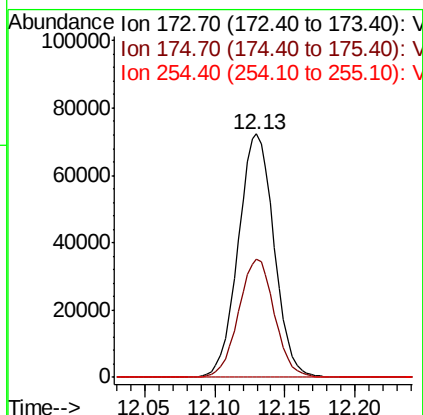
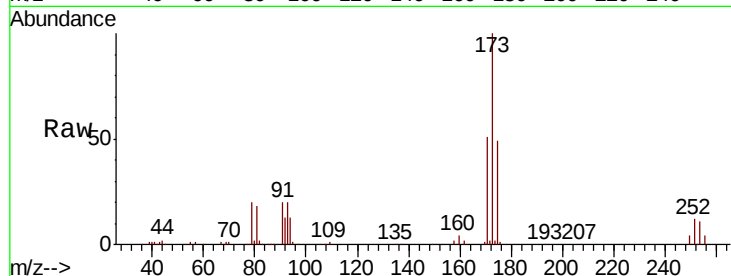
#71
Bromoform
Concen: 19.599 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.2
254	0.0	0.2	0.2

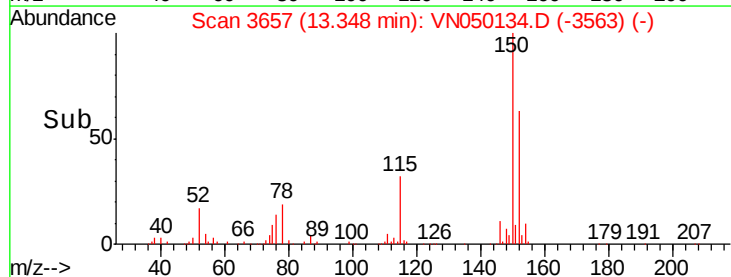
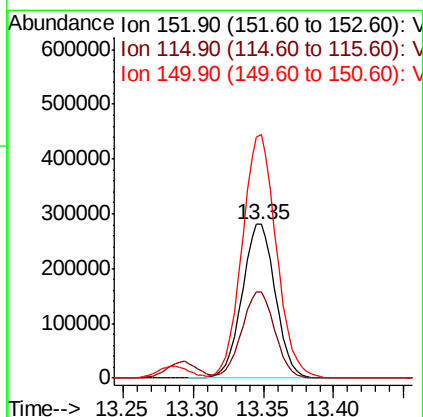
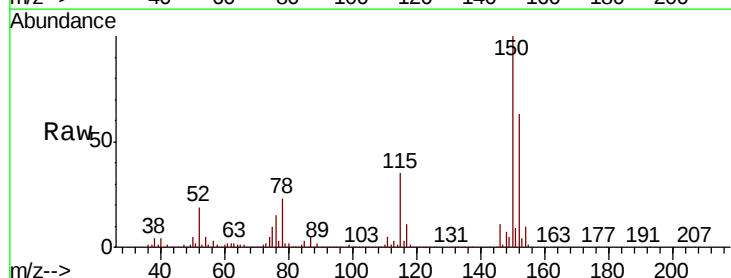
Manual Integrations
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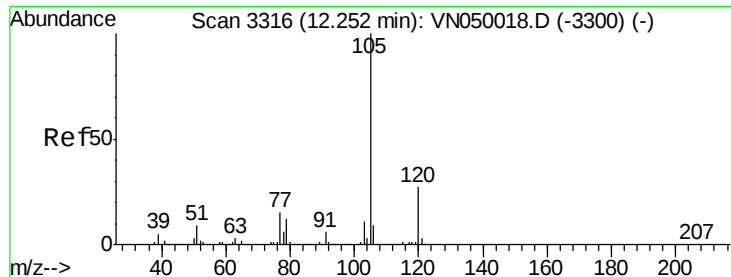
MMDadoda
7/30/2018 1:37:19 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.8	83.3
150	162.8	0.0	348.6





#73

Isopropylbenzene

Concen: 21.277 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampled :

VN0727WBSD02

Tot Ion: 105 Resp: 765342

Ion Ratio Lower Upper

105 100

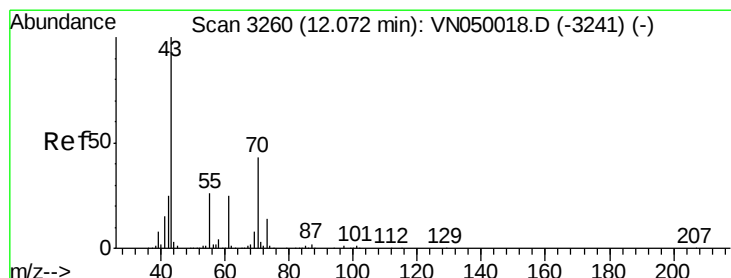
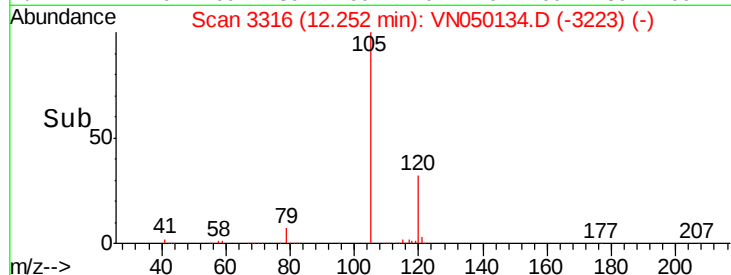
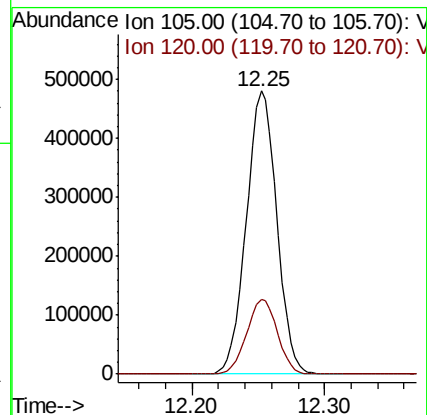
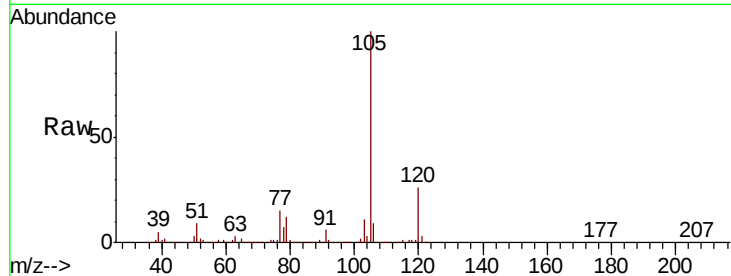
120 26.6 13.3 39.8

Manual Integrations

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MMDadoda

7/30/2018 1:37:19 PM



#74

N-ethyl acetate

Concen: 20.391 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Tgt Ion: 43 Resp: 224175

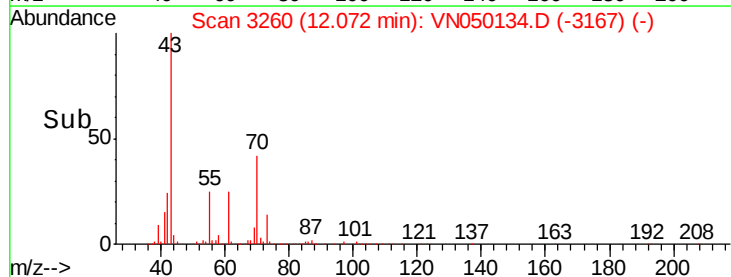
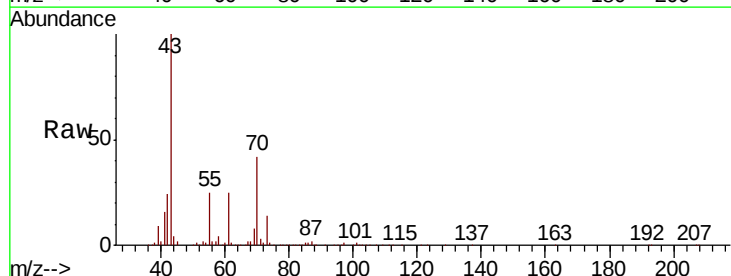
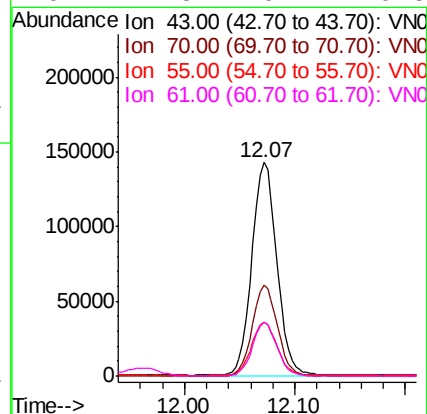
Ion Ratio Lower Upper

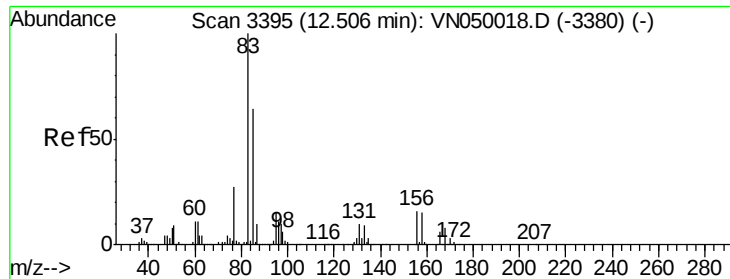
43 100

70 42.6 34.4 51.6

55 26.0 20.8 31.2

61 24.8 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.280 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

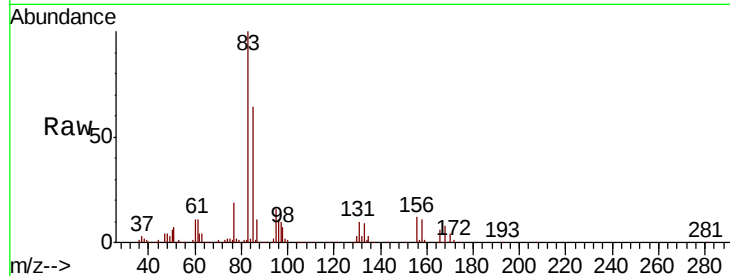
ClientSampleId :

VN0727WBSD02

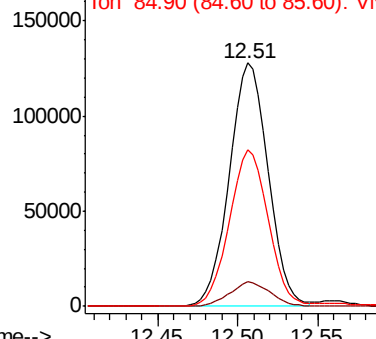
Tot Ion:	83	Resp:	214209
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.3
85	64.6	32.3	96.8

Manual Integrations
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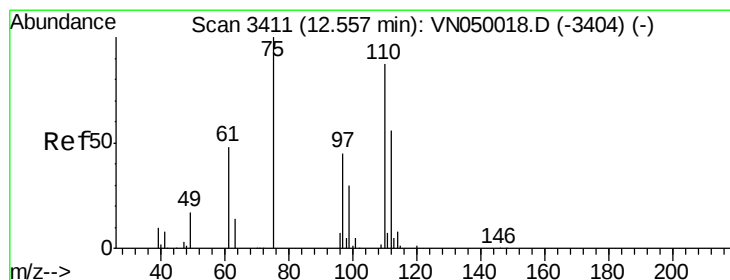
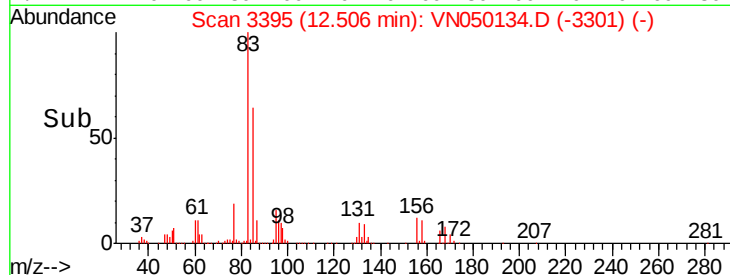
MMDadoda
7/30/2018 1:37:19 PM



Abundance Ion 82.90 (82.60 to 83.60): VN050018.D (-3380) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 19.894 ug/l m

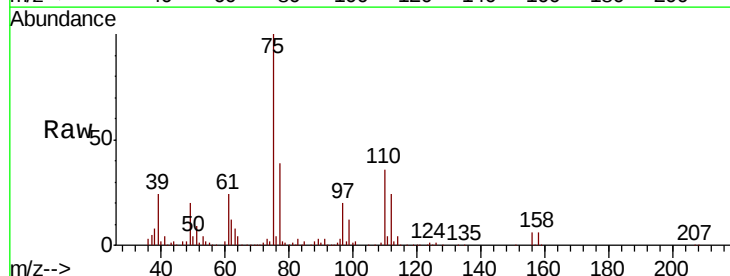
RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

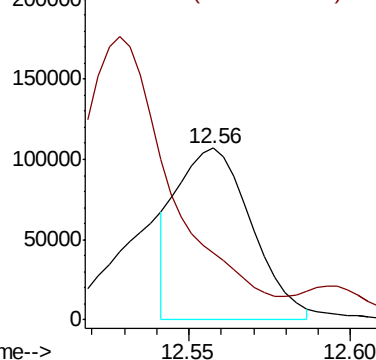
Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

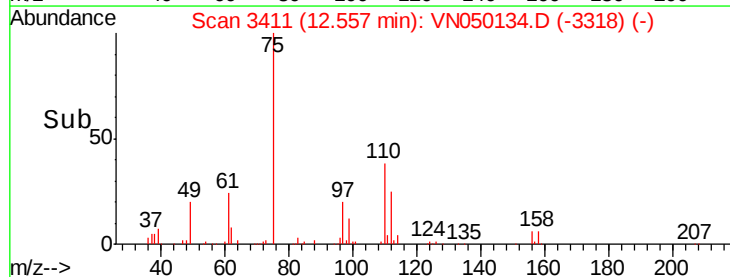
Tgt Ion:	75	Resp:	171471
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

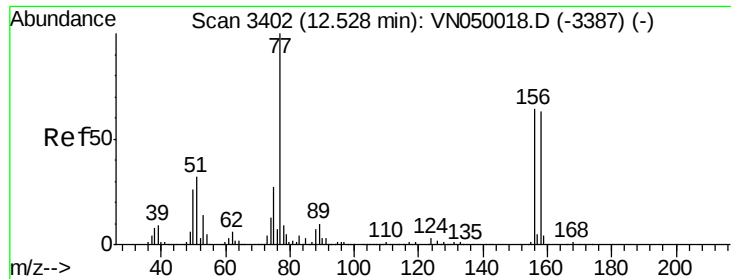


Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3404) (-)



Time-->





#77

Bromobenzene

Concen: 19.527 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

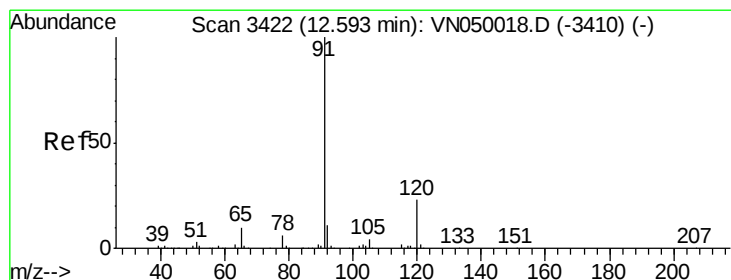
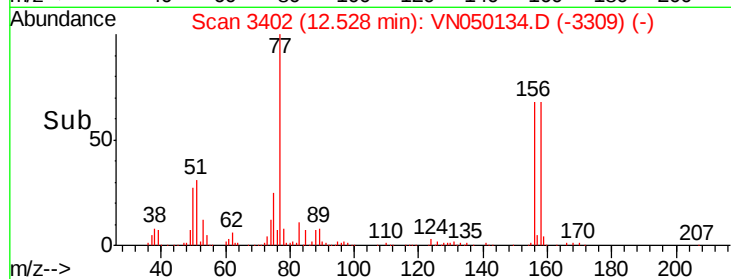
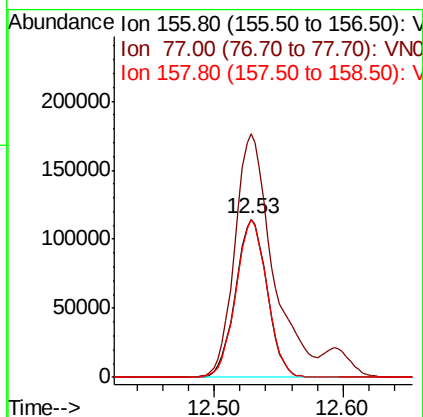
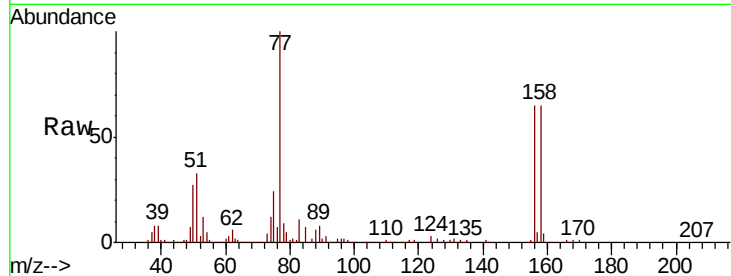
ClientSampleId :

VN0727WBSD02

Tot Ion:	156	Resp:	194677
Ion Ratio	Lower	Upper	
156	100		
77	184.2	91.7	275.1
158	98.5	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 21.020 ug/l

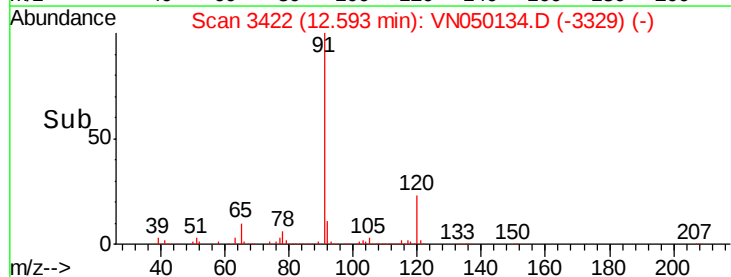
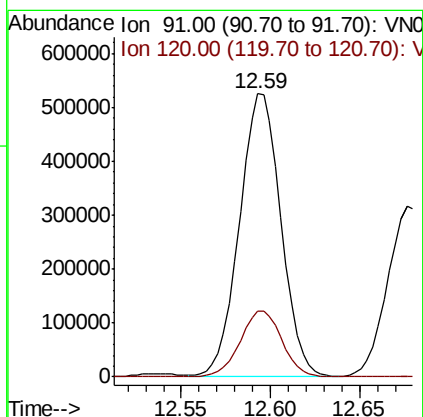
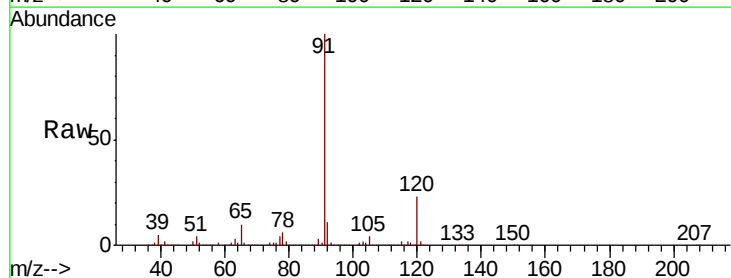
RT: 12.59 min Scan# 3422

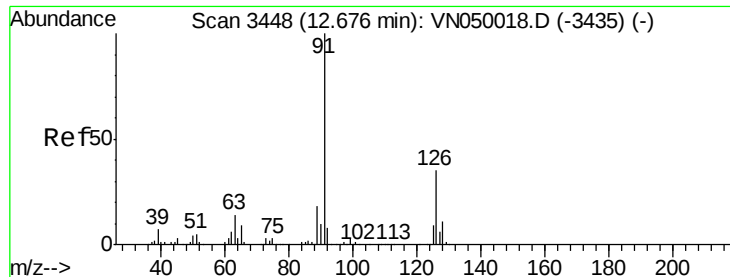
Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Tgt Ion:	91	Resp:	845103
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.6	34.7





#79

2-Chlorotoluene

Concen: 20.991 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

Tot Ion: 91 Resp: 523099

Ion Ratio Lower Upper

91 100

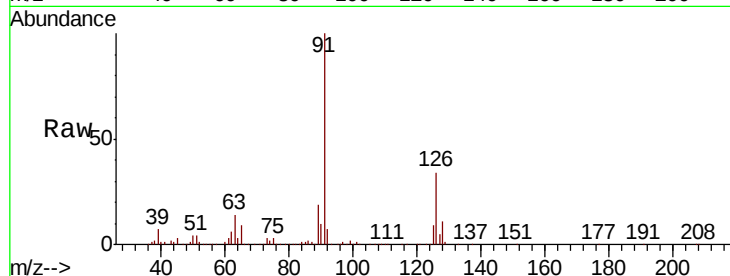
126 34.8 17.6 52.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050018.D (-3435) (-)

400000

300000

200000

100000

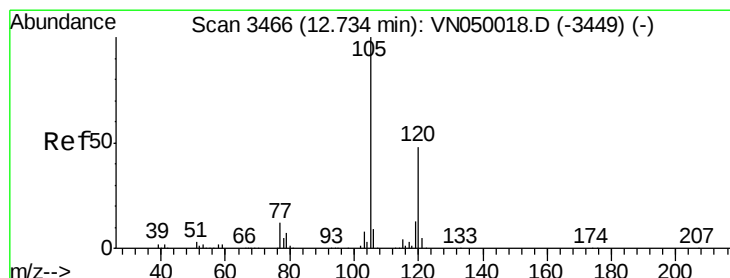
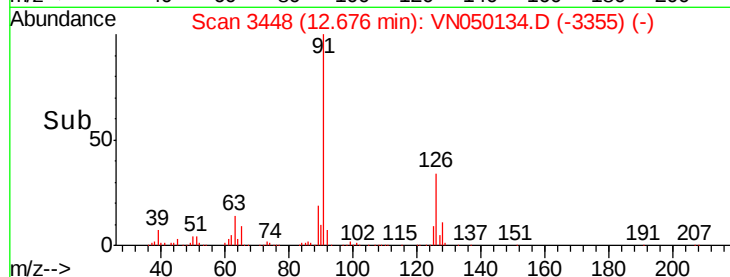
0

12.65

12.68

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.935 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN050134.D

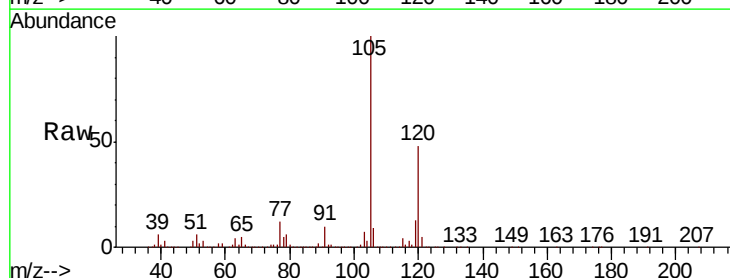
Acq: 27 Jul 2018 17:03

Tgt Ion:105 Resp: 620620

Ion Ratio Lower Upper

105 100

120 48.1 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050018.D (-3449) (-)

Ion 120.00 (119.70 to 120.70): VN050018.D (-3449) (-)

400000

300000

200000

100000

0

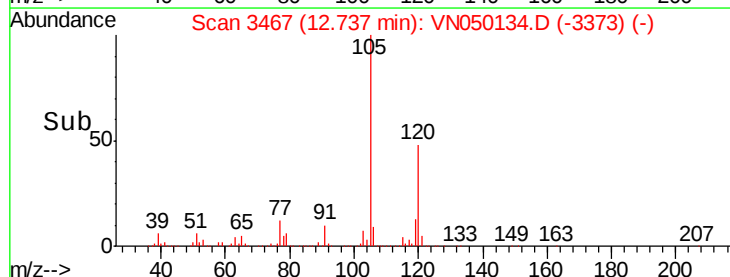
12.65

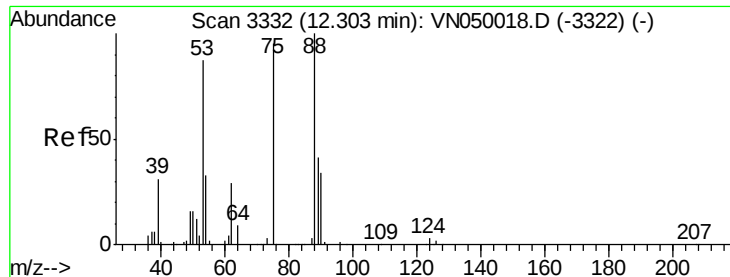
12.70

12.74

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.443 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

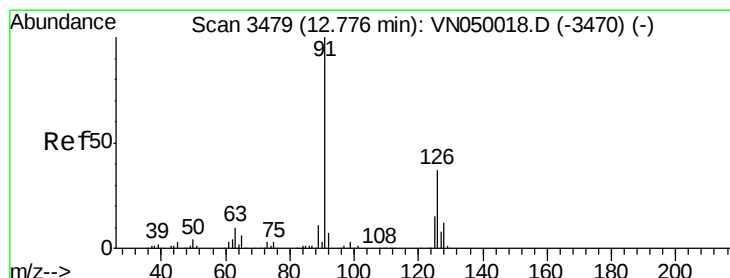
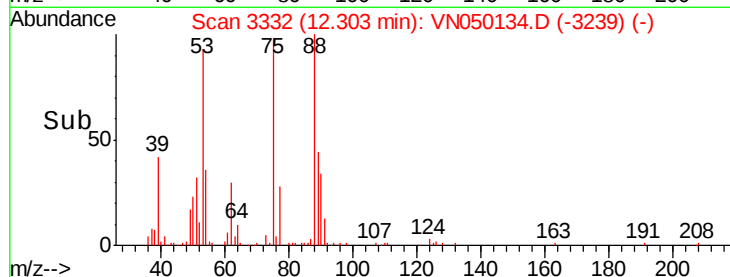
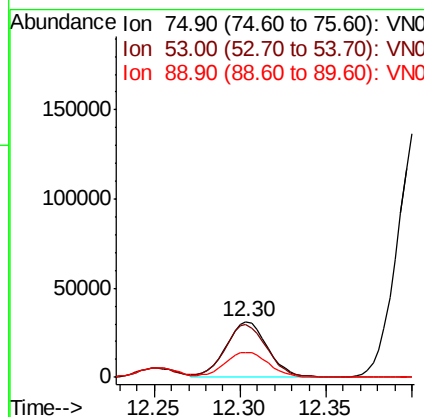
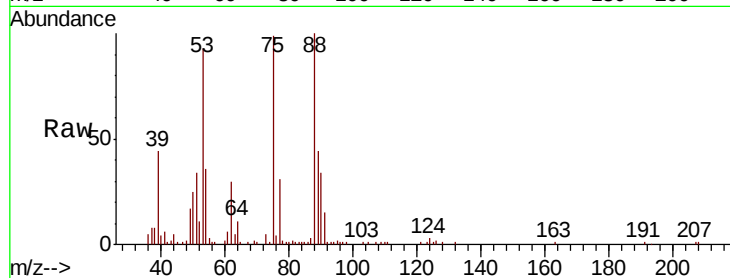
ClientSampleId :

VN0727WBSD02

Tot Ion:	75	Resp:	52837
Ion	Ratio	Lower	Upper
75	100		
53	93.5	73.5	110.3
89	46.8	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.621 ug/l

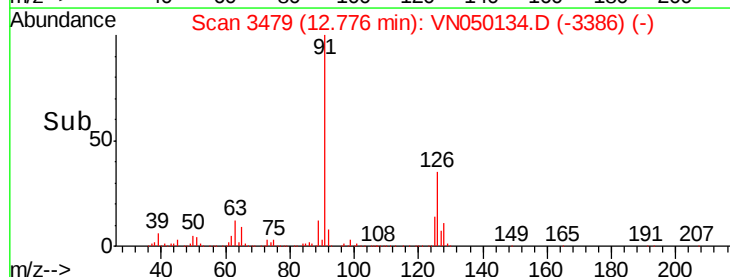
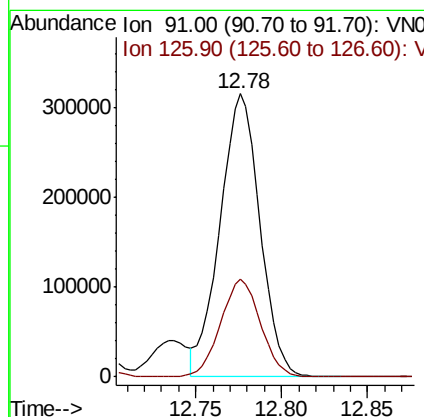
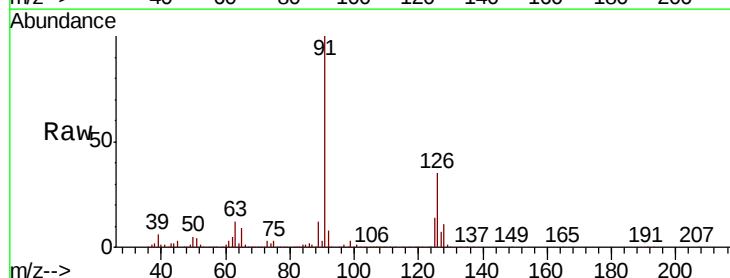
RT: 12.78 min Scan# 3479

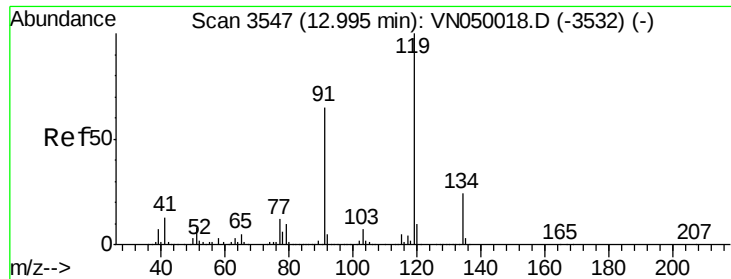
Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Tgt Ion:	91	Resp:	508880
Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	51.0





#83

tert-Butylbenzene

Concen: 21.817 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

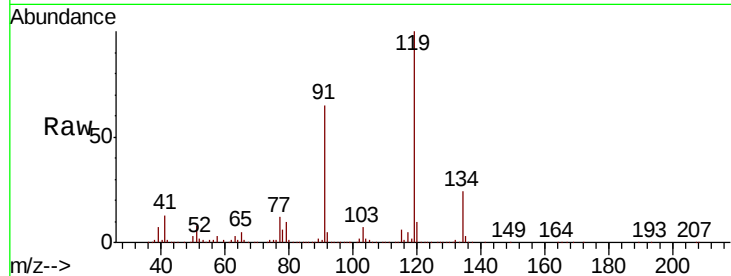
ClientSampleId :

VN0727WBSD02

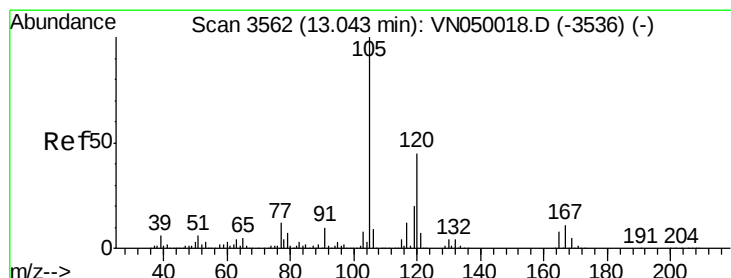
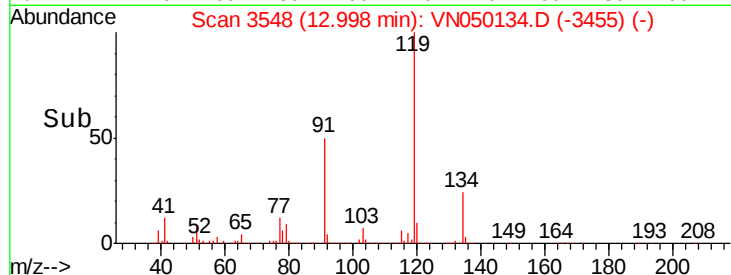
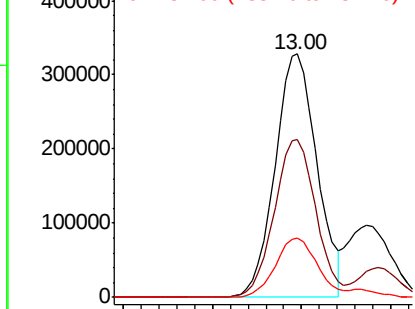
Tot Ion:	119	Resp:	538689
Ion Ratio	Lower	Upper	
119	100		
91	64.1	32.1	96.3
134	24.6	13.2	39.5

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.061 ug/l

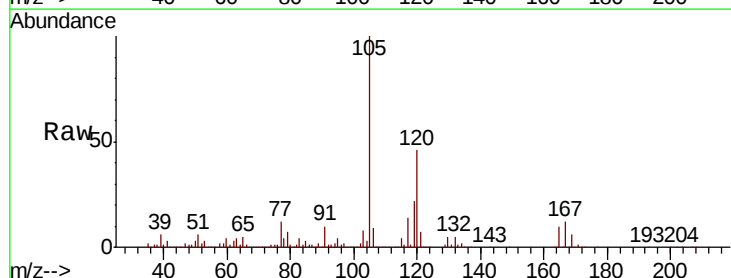
RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

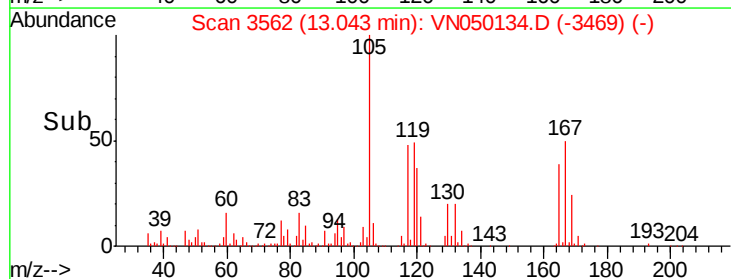
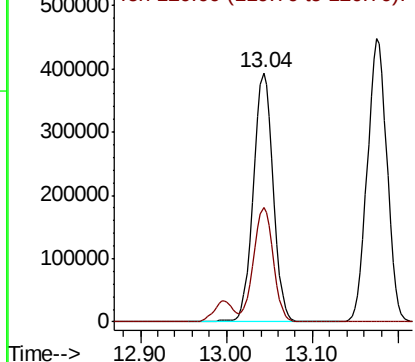
Lab File: VN050134.D

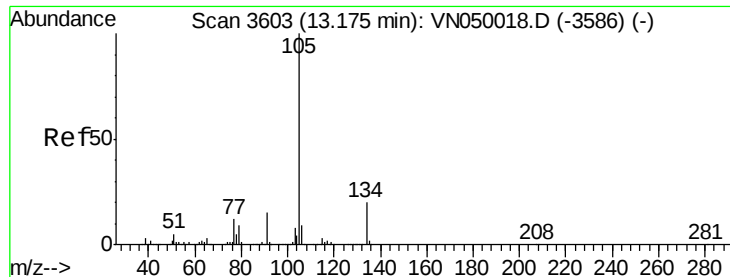
Acq: 27 Jul 2018 17:03

Tgt Ion:	105	Resp:	629155
Ion Ratio	Lower	Upper	
105	100		
120	46.1	22.9	68.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.688 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

Tot Ion:105 Resp: 715529

Ion Ratio Lower Upper

105 100

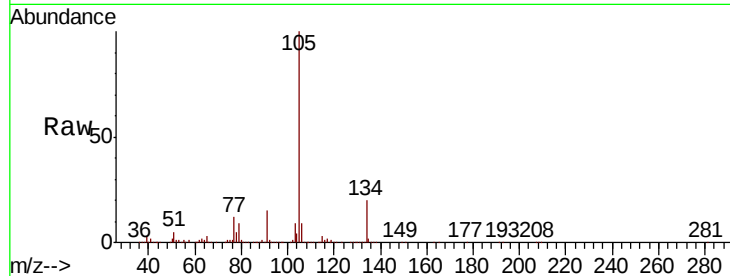
134 20.0 10.1 30.1

Manual Integrations

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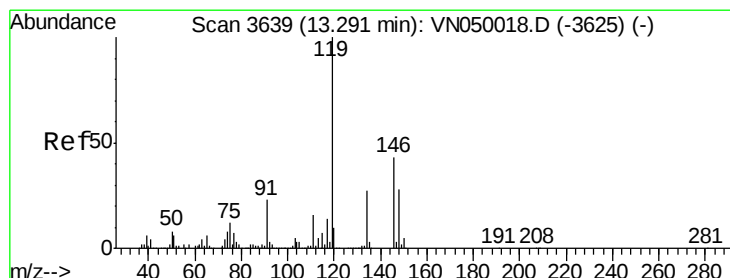
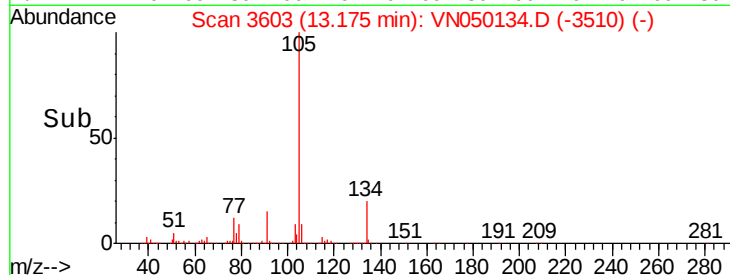
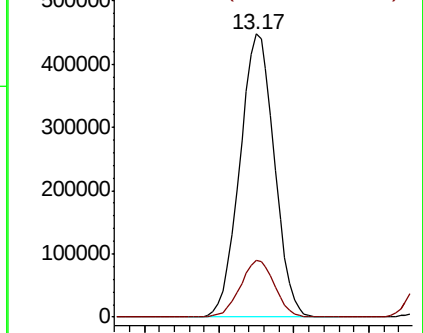
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.905 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

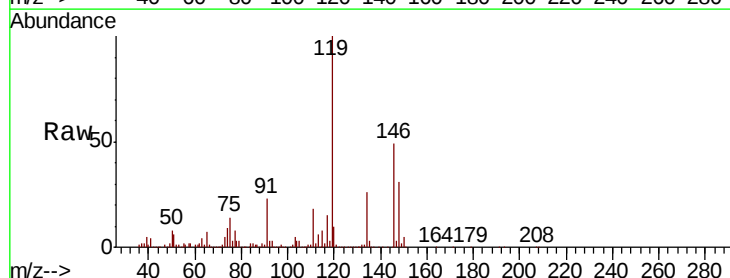
Tgt Ion:119 Resp: 608947

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

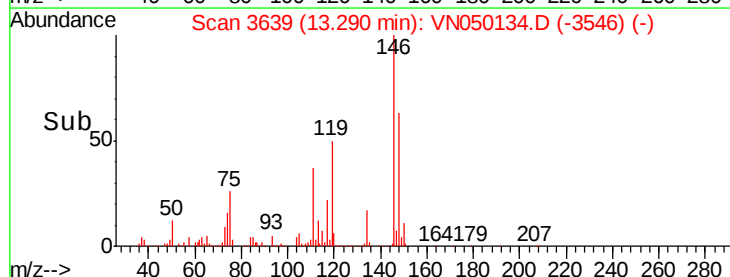
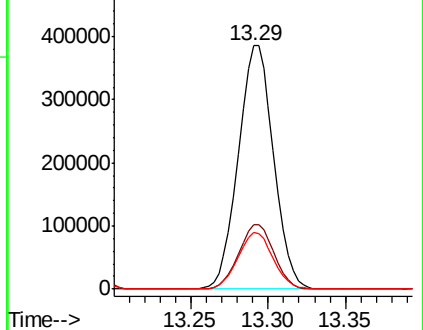
91 22.9 11.4 34.2

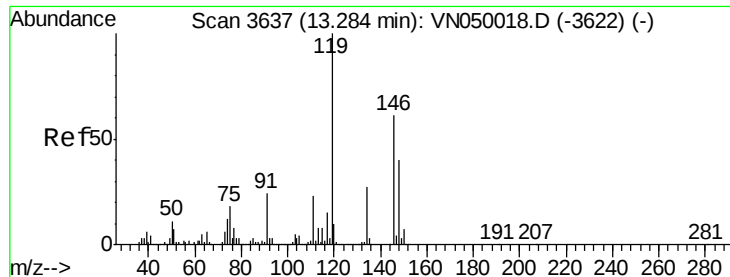


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





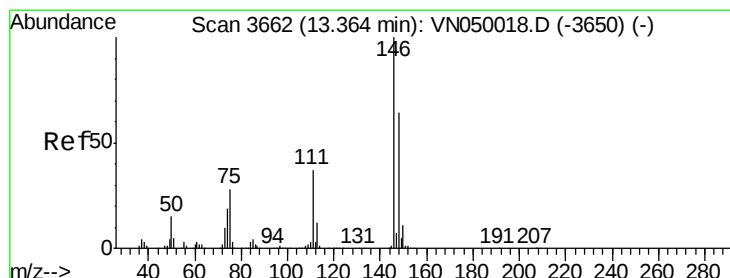
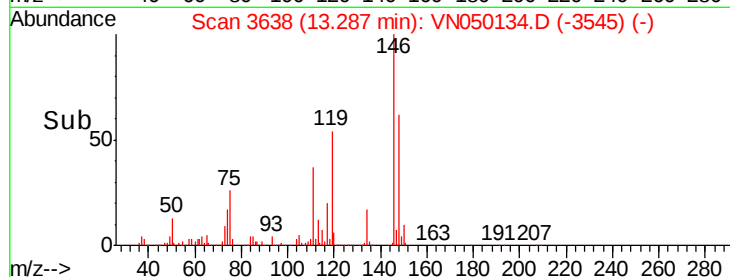
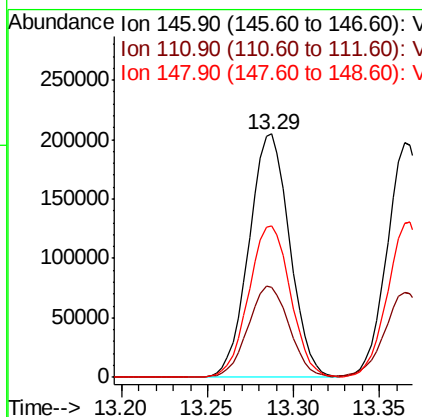
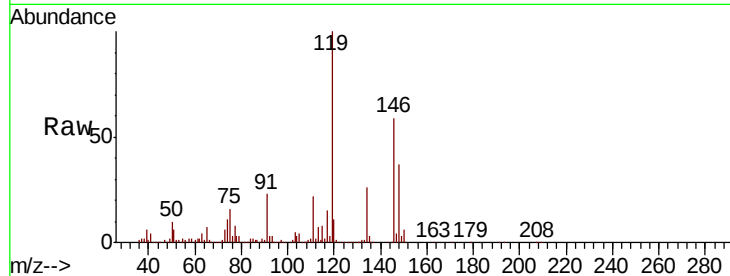
#87
 1,3-Dichlorobenzene
 Concen: 19.879 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.4
148	63.7	31.9	95.9

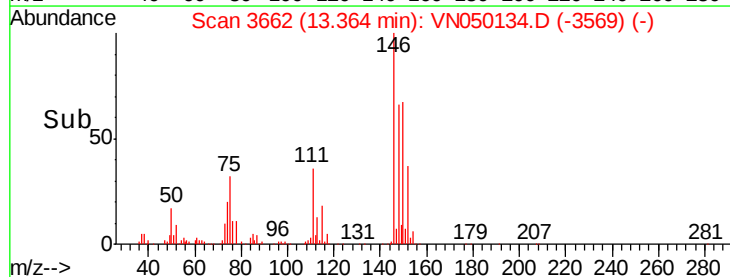
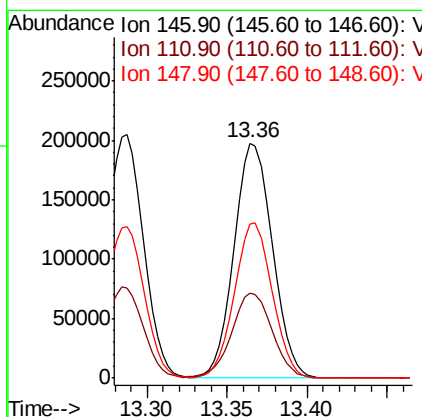
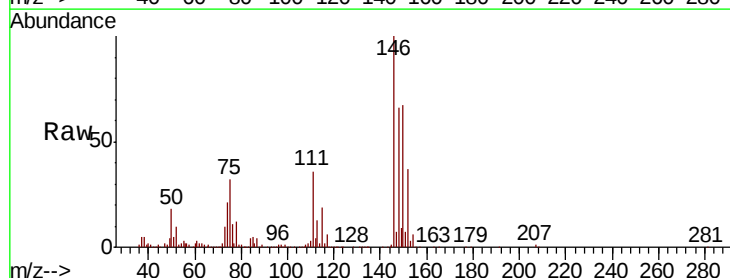
Manual Integrations
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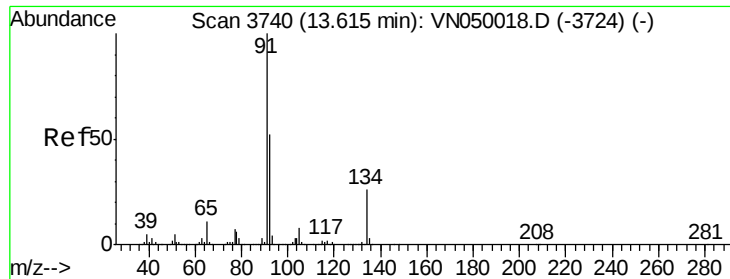
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 7/30/2018 1:37:19 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.655 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.3	54.9
148	64.9	31.9	95.9





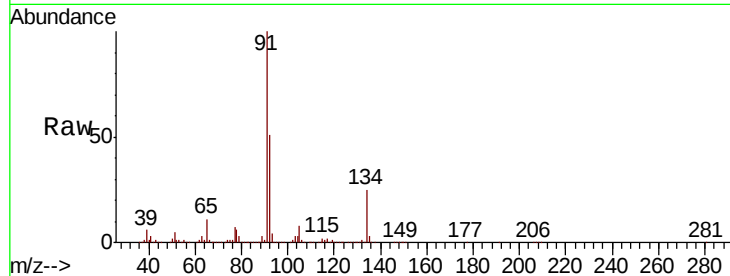
#89
n-Butylbenzene
Concen: 21.150 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.8	77.4
134	25.3	12.8	38.4

Manual Integrations
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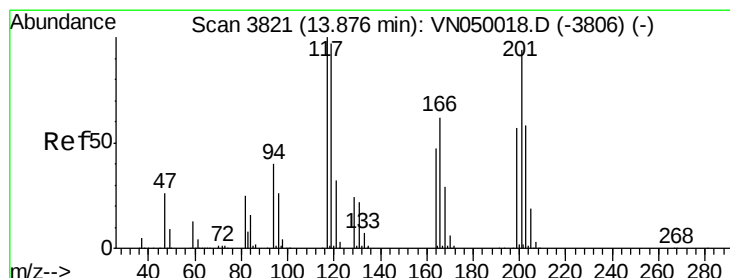
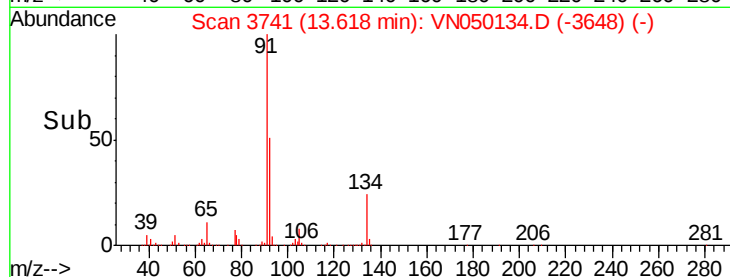
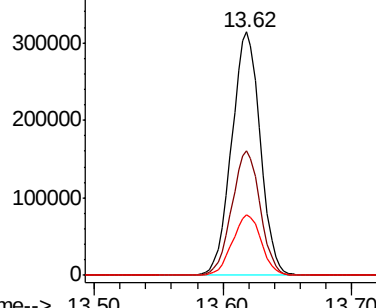


Abundance

Ion 91.00 (90.70 to 91.70): VN050018.D (-3724) (-)

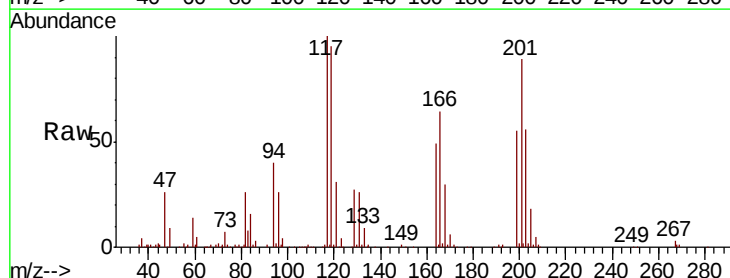
Ion 92.00 (91.70 to 92.70): VN050018.D (-3724) (-)

Ion 134.00 (133.70 to 134.70): VN050018.D (-3724) (-)



#90
Hexachloroethane
Concen: 18.724 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

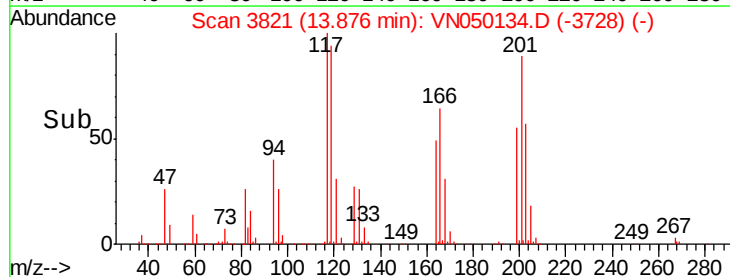
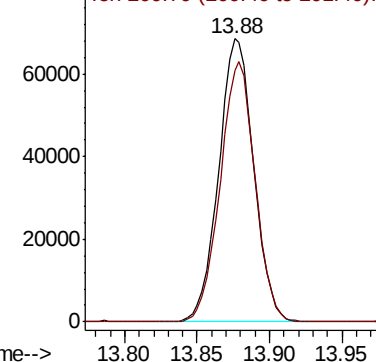
Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.1	45.6	136.8

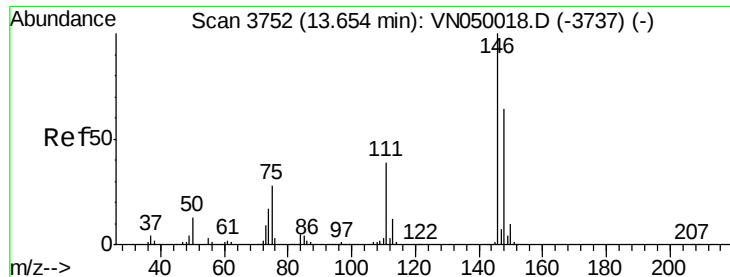


Abundance

Ion 116.80 (116.50 to 117.50): VN050018.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN050018.D (-3806) (-)





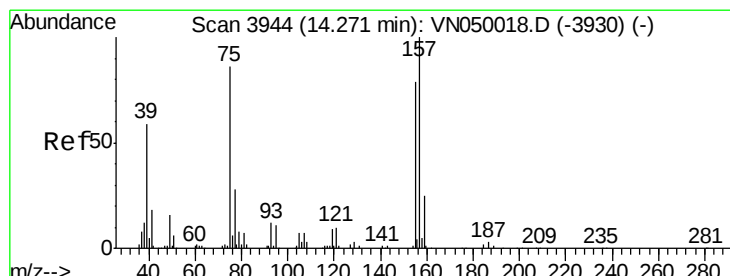
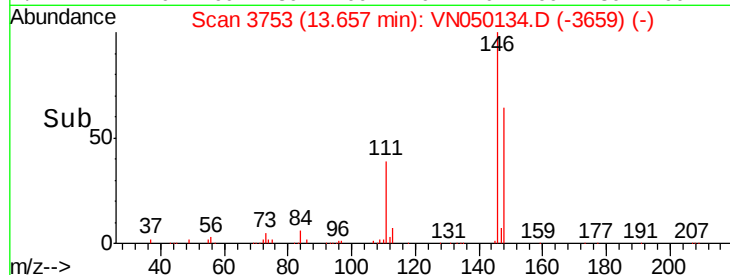
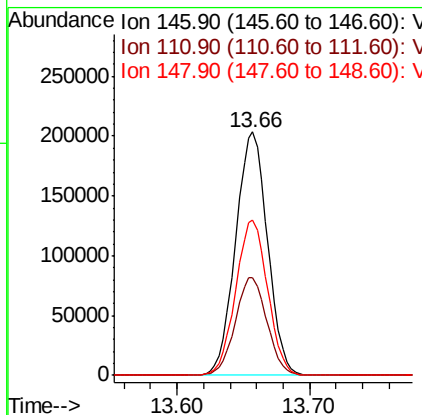
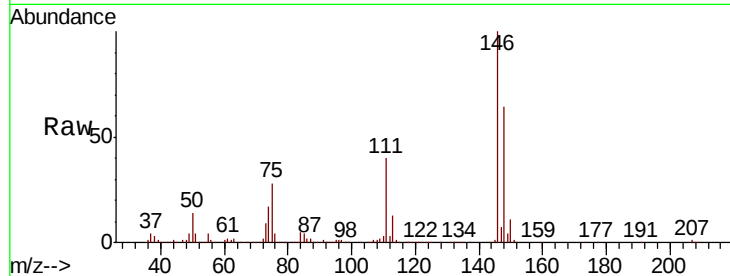
#91
 1,2-Dichlorobenzene
 Concen: 20.090 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.7
148	63.9	32.1	96.3

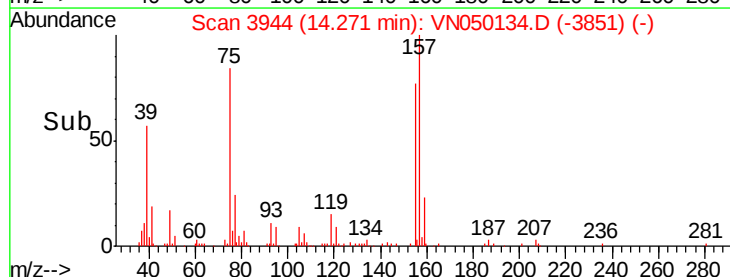
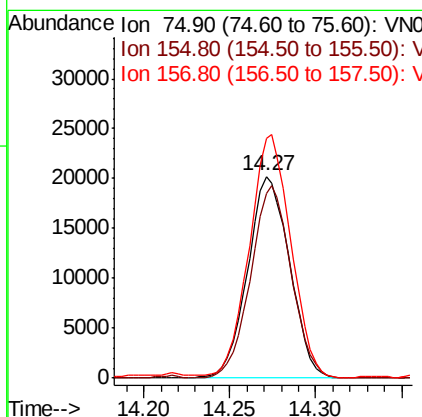
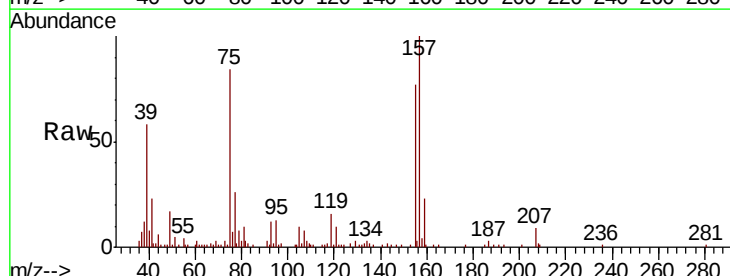
Manual Integrations
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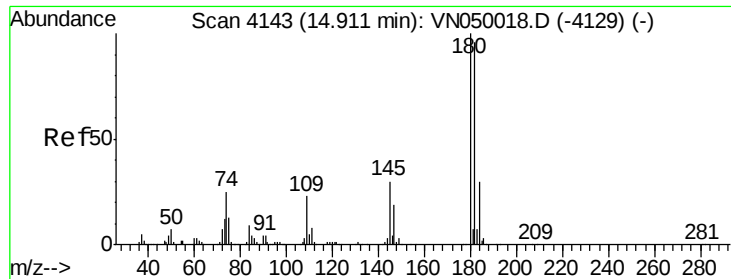
MMDadoda
 7/30/2018 1:37:19 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.866 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	44.8	134.4
157	119.8	57.2	171.6





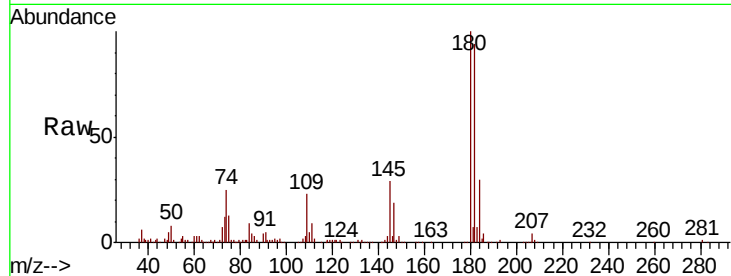
#93
 1,2,4-Trichlorobenzene
 Concen: 19.570 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	157406		
182	94.2	46.7	140.1	
145	28.5	13.8	41.4	

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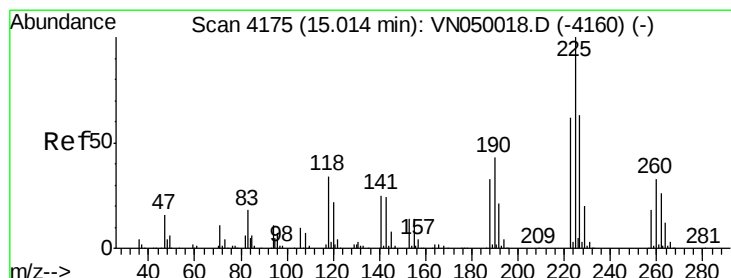
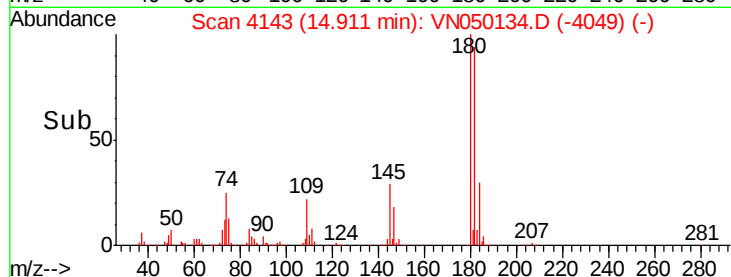
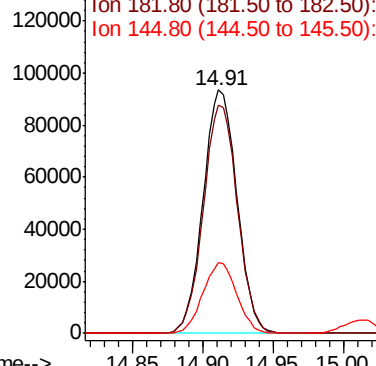


Abundance

Ion 179.80 (179.50 to 180.50): V

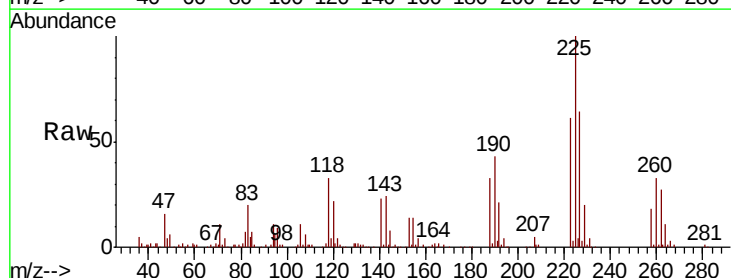
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.472 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	105880		
223	61.9	31.4	94.2	
227	63.0	32.1	96.5	

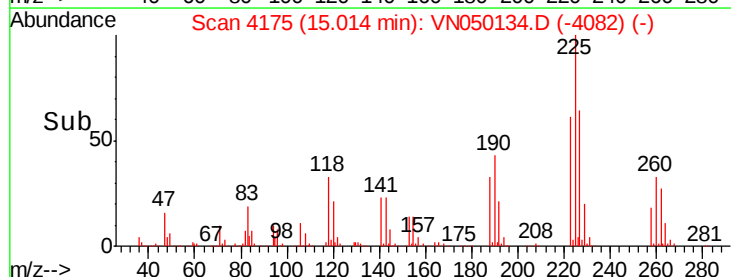
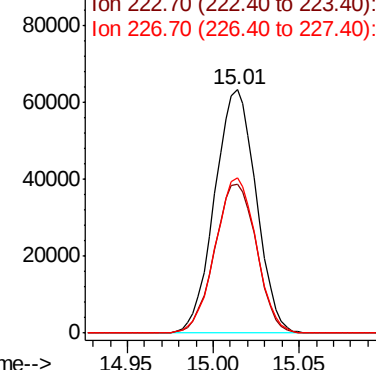


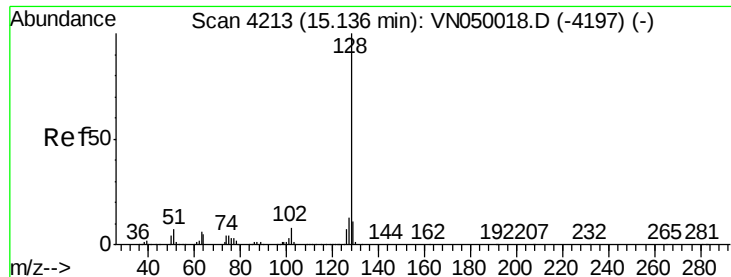
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





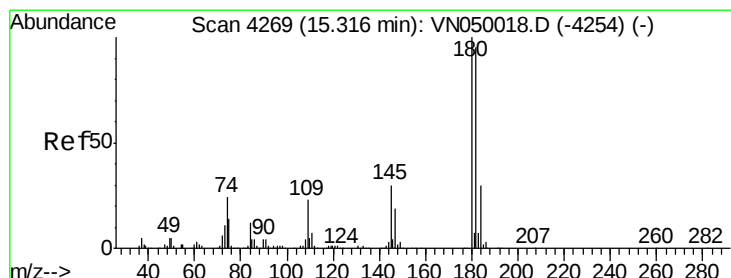
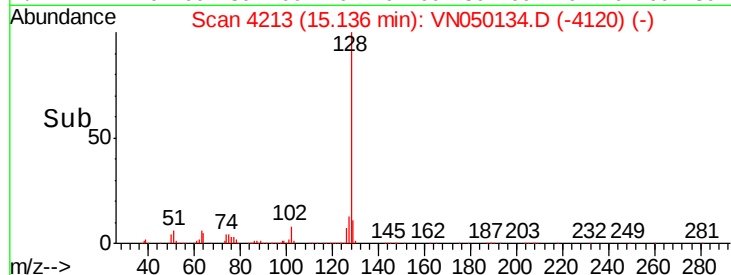
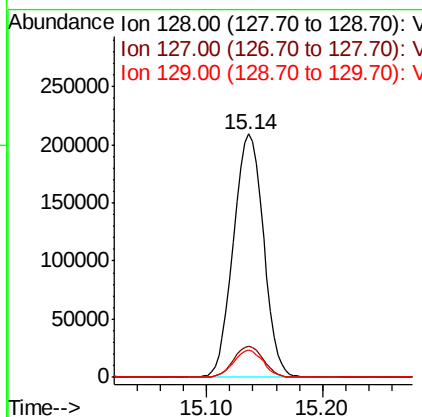
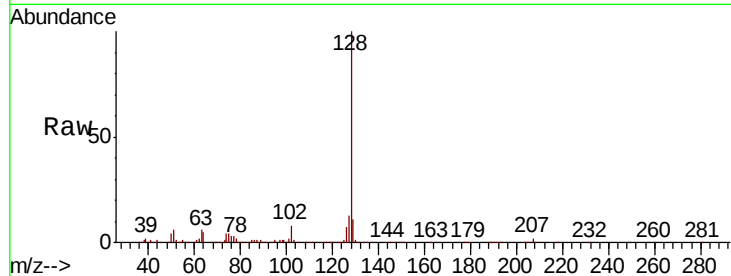
#95
Naphthalene
Concen: 20.568 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.9	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 20.433 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.1	144.4
145	31.1	15.3	45.9

