

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050130.D
 Acq On : 27 Jul 2018 15:08
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 1:37:17 PM

Quant Time: Jul 27 23:41:37 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	785467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1129378	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1033991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	558911	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	528459	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
35) Dibromofluoromethane	7.59	113	477635	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	10.09	98	1768861	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.40	95	616750	55.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	537672	47.641	ug/l	99
3) Chloromethane	2.06	50	481307	39.233	ug/l	100
4) Vinyl Chloride	2.18	62	557289	43.137	ug/l	98
5) Bromomethane	2.55	94	203076	27.864	ug/l	98
6) Chloroethane	2.69	64	330309	42.573	ug/l	98
7) Trichlorofluoromethane	3.01	101	751132	44.881	ug/l	99
8) Diethyl Ether	3.41	74	263142	47.164	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	458727	45.581	ug/l	99
10) Methyl Iodide	3.95	142	296221	22.933	ug/l	97
11) Tert butyl alcohol	4.80	59	200576	248.745	ug/l	100
12) 1,1-Dichloroethene	3.73	96	413249	45.648	ug/l	97
13) Acrolein	3.61	56	72320	111.629	ug/l	98
14) Allyl chloride	4.32	41	661273	47.107	ug/l	99
15) Acrylonitrile	4.99	53	806639	229.289	ug/l	99
16) Acetone	3.82	43	663146	257.016	ug/l	100
17) Carbon Disulfide	4.05	76	1149520	41.448	ug/l	99
18) Methyl Acetate	4.33	43	506987	50.511	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	1229638	50.969	ug/l	99
20) Methylene Chloride	4.55	84	457953	47.056	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	440290	45.898	ug/l	99
22) Diisopropyl ether	5.96	45	1380631	49.602	ug/l	98
23) Vinyl Acetate	5.90	43	4779244	242.973	ug/l	100
24) 1,1-Dichloroethane	5.85	63	827708	45.476	ug/l	99
25) 2-Butanone	6.84	43	1015427	242.920	ug/l	98
26) 2,2-Dichloropropane	6.83	77	700579	50.597	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	506779	49.076	ug/l	100
28) Bromochloromethane	7.20	49	391330	47.138	ug/l	96
29) Tetrahydrofuran	7.22	42	640931	237.282	ug/l	98
30) Chloroform	7.37	83	840499	45.253	ug/l	100
31) Cyclohexane	7.65	56	700792	46.422	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	733089	46.143	ug/l	100
36) 1,1-Dichloropropene	7.79	75	634716	49.884	ug/l	99
37) Ethyl Acetate	6.93	43	423899	47.783	ug/l	100
38) Carbon Tetrachloride	7.78	117	649226	48.087	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	696460	53.207	ug/l	99
40) Benzene	8.04	78	1894683	48.935	ug/l	100
41) Methacrylonitrile	7.18	41	255695	55.046	ug/l #	75
42) 1,2-Dichloroethane	8.13	62	614976	47.609	ug/l	100
43) Isopropyl Acetate	8.17	43	799647	47.782	ug/l #	89
44) Trichloroethene	8.84	130	504616	48.502	ug/l	99
45) 1,2-Dichloropropane	9.12	63	493673	48.138	ug/l	98
46) Dibromomethane	9.21	93	308738	48.484	ug/l	98
47) Bromodichloromethane	9.40	83	651968	48.510	ug/l	100
48) Methyl methacrylate	9.20	41	397079	51.972	ug/l	98
49) 1,4-Dioxane	9.20	88	110257	1060.423	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2210525	253.475	ug/l	100
52) Toluene	10.16	92	1187014	51.936	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	674094	53.153	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	754896	52.083	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	443580	48.931	ug/l	99
56) Ethyl methacrylate	10.43	69	592619	48.329	ug/l	99
57) 1,3-Dichloropropane	10.71	76	742131	50.273	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1395738	243.504	ug/l	99
59) 2-Hexanone	10.75	43	1523701	238.026	ug/l	99
60) Dibromochloromethane	10.90	129	510035	50.816	ug/l	98
61) 1,2-Dibromoethane	11.01	107	448759	49.892	ug/l	99
64) Tetrachloroethene	10.63	164	471841	47.464	ug/l	98
65) Chlorobenzene	11.44	112	1295733	49.610	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	489332	48.760	ug/l	100
67) Ethyl Benzene	11.51	91	2258628	53.834	ug/l	100
68) m/p-Xylenes	11.62	106	1736073	109.397	ug/l	100
69) o-Xylene	11.95	106	832886	55.055	ug/l	99
70) Styrene	11.97	104	1358558	50.484	ug/l	99
71) Bromoform	12.13	173	368606	50.493	ug/l #	99
73) Isopropylbenzene	12.25	105	2249501	51.896	ug/l	100
74) N-amyl acetate	12.07	43	658013	49.669	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	582249	50.303	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	463232m	44.597	ug/l	
77) Bromobenzene	12.53	156	576580	47.993	ug/l	99
78) n-propylbenzene	12.59	91	2577109	53.191	ug/l	100
79) 2-Chlorotoluene	12.68	91	1531370	50.995	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1853061	54.348	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	163262	49.855	ug/l	99
82) 4-Chlorotoluene	12.78	91	1540551	51.804	ug/l	98
83) tert-Butylbenzene	12.99	119	1603444	53.888	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1888482	54.951	ug/l	100
85) sec-Butylbenzene	13.17	105	2157834	54.275	ug/l	100
86) p-Isopropyltoluene	13.29	119	1882813	56.203	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1023024	50.232	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	993396	50.044	ug/l	100
89) n-Butylbenzene	13.62	91	1547097	56.161	ug/l	99
90) Hexachloroethane	13.88	117	340574	45.785	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1001380	49.187	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	95442	49.407	ug/l	97

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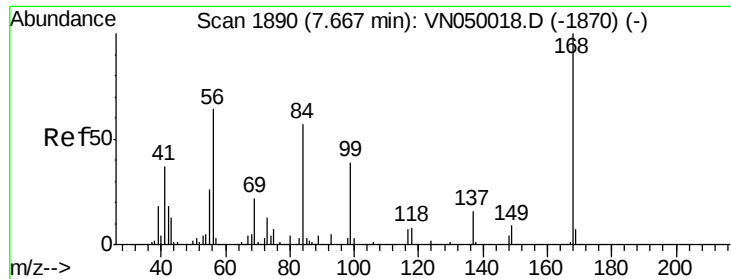
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	528262	48.993	ug/l	98
94) Hexachlorobutadiene	15.01	225	310464	49.814	ug/l	100
95) Naphthalene	15.14	128	1203379	47.397	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	513154	48.850	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 785467

Ion Ratio Lower Upper

168 100

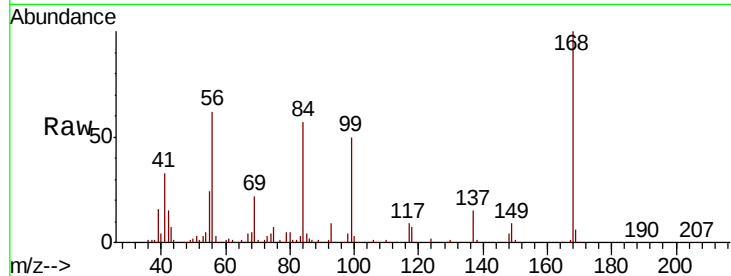
99 50.1 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.67

300000

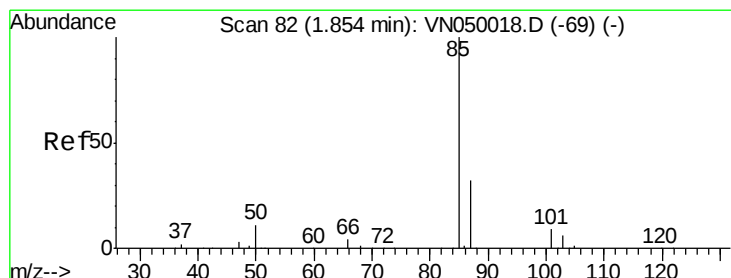
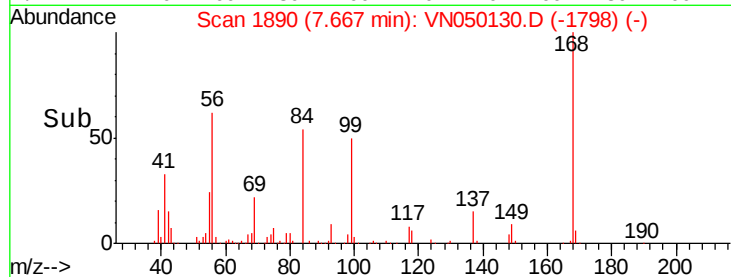
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.641 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050130.D

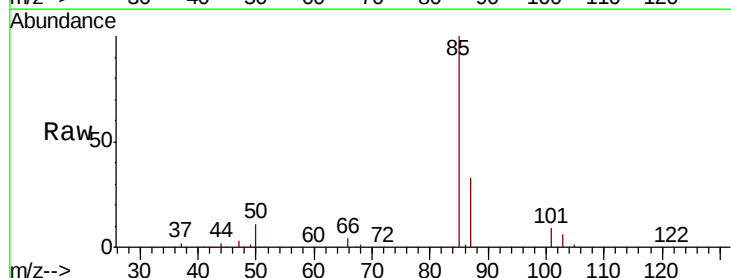
Acq: 27 Jul 2018 15:08

Tgt Ion: 85 Resp: 537672

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.85

400000

300000

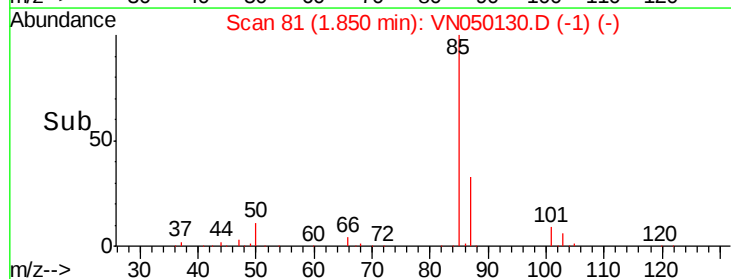
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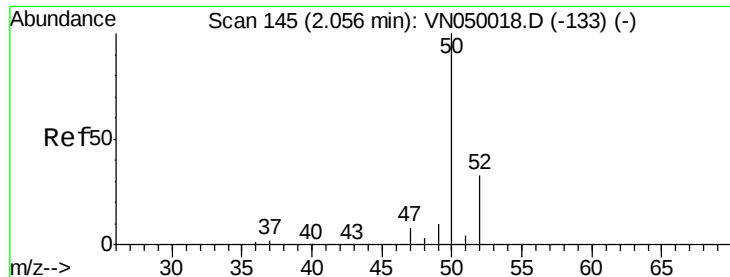
100000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 39.233 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 481307

Ion Ratio Lower Upper

50 100

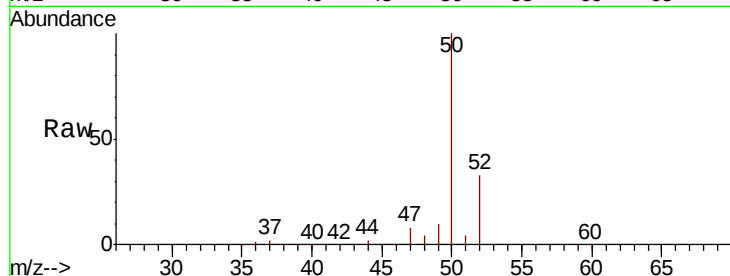
52 32.6 25.9 38.9

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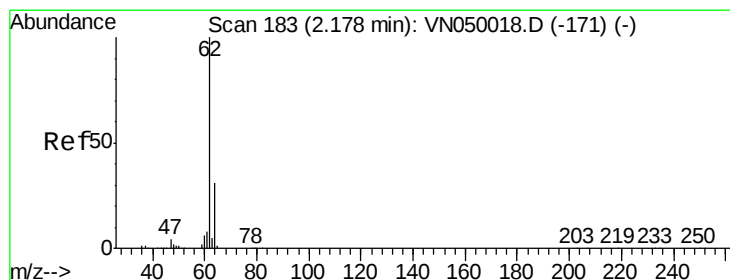
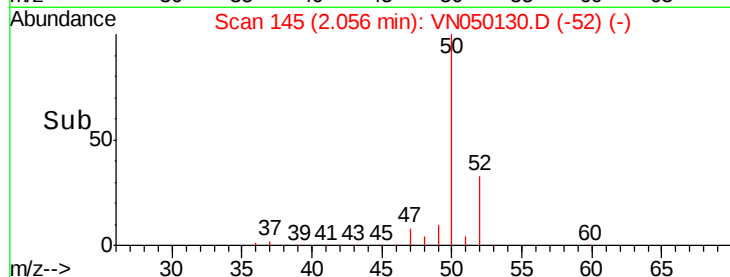
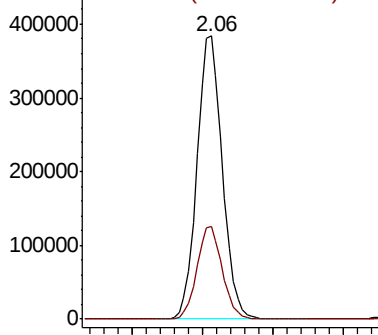
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 43.137 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050130.D

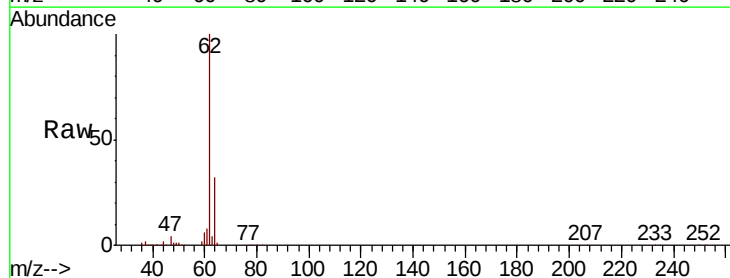
Acq: 27 Jul 2018 15:08

Tgt Ion: 62 Resp: 557289

Ion Ratio Lower Upper

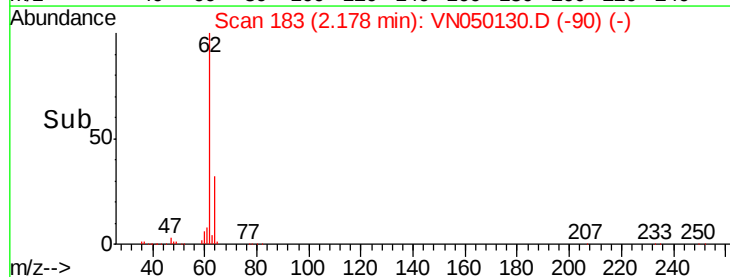
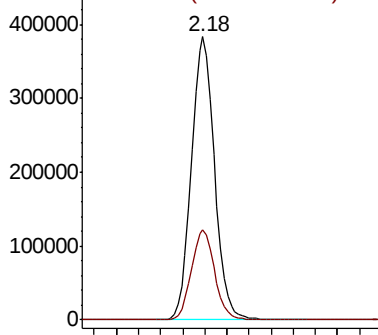
62 100

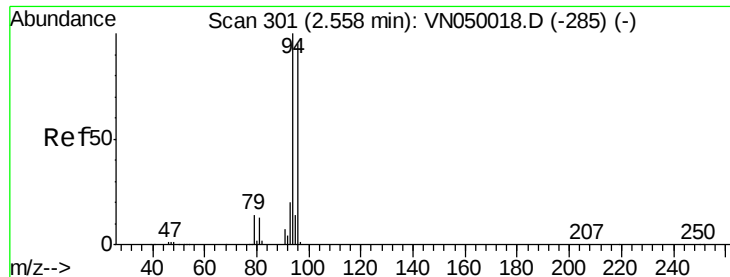
64 31.9 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 27.864 ug/l

RT: 2.55 min Scan# 299

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 203076

Ion Ratio Lower Upper

94 100

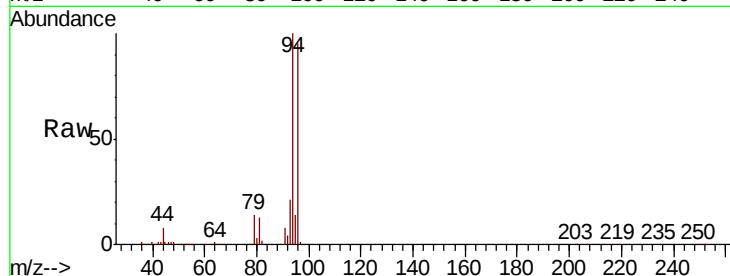
96 95.1 74.6 112.0

Manual Integrations

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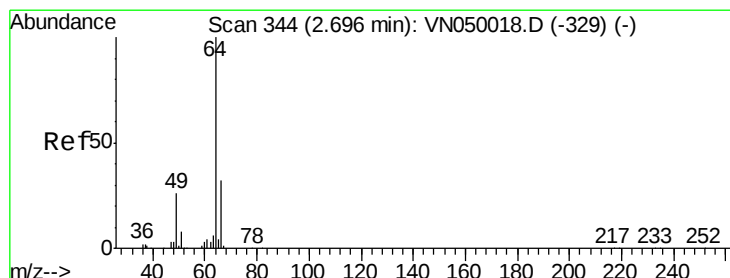
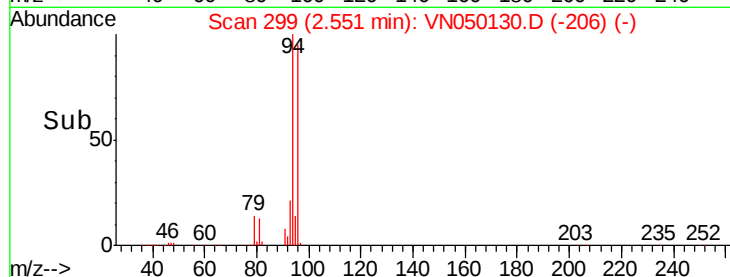
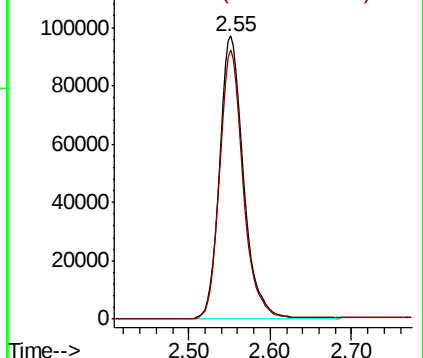
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 42.573 ug/l

RT: 2.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VN050130.D

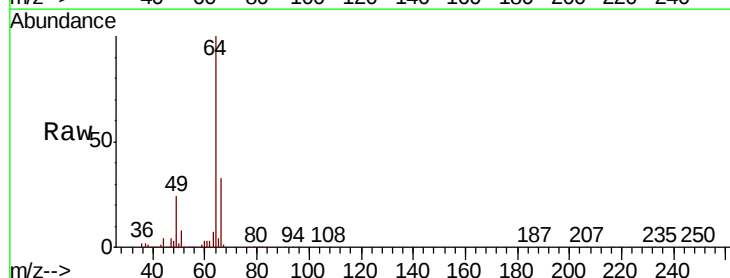
Acq: 27 Jul 2018 15:08

Tgt Ion: 64 Resp: 330309

Ion Ratio Lower Upper

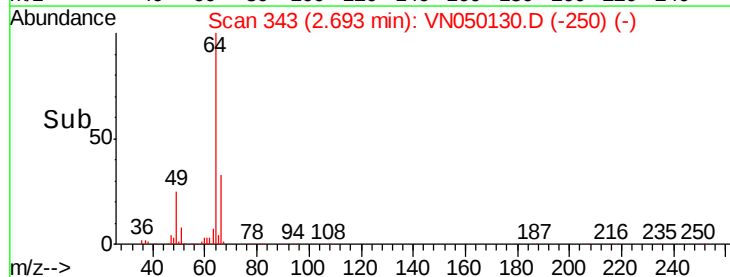
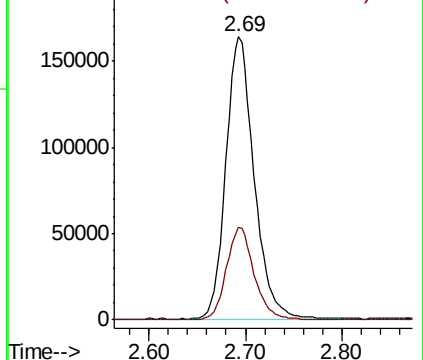
64 100

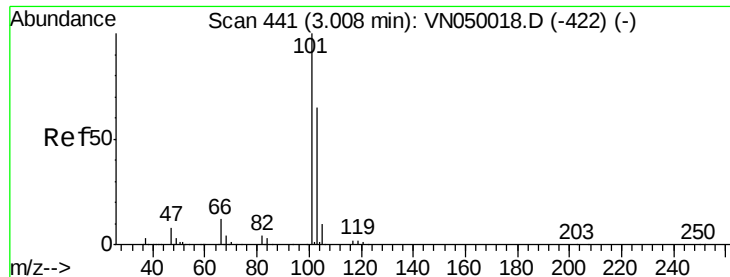
66 32.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

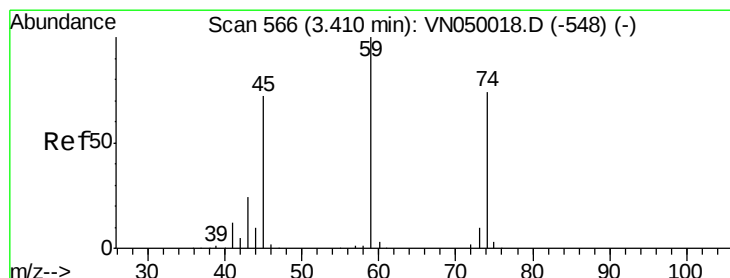
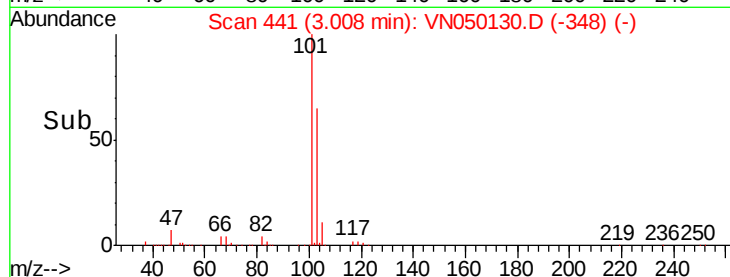
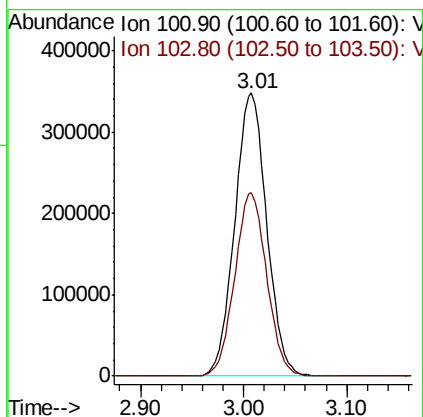
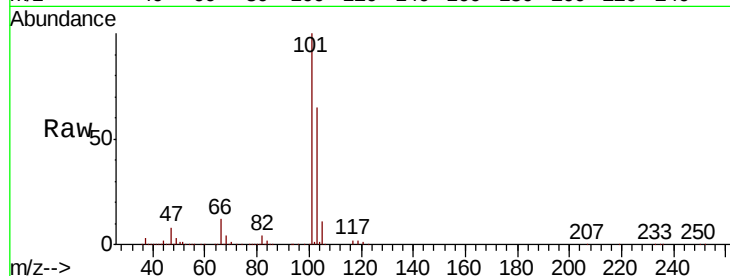
Trichlorofluoromethane
 Concen: 44.881 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050130.D
 Acq: 27 Jul 2018 15:08

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.7	77.5

Manual Integrations
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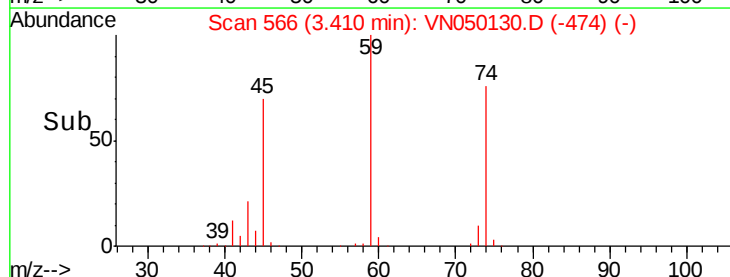
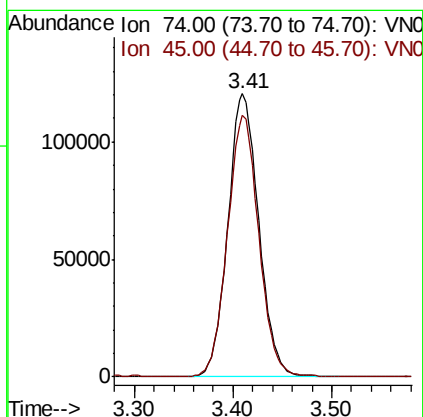
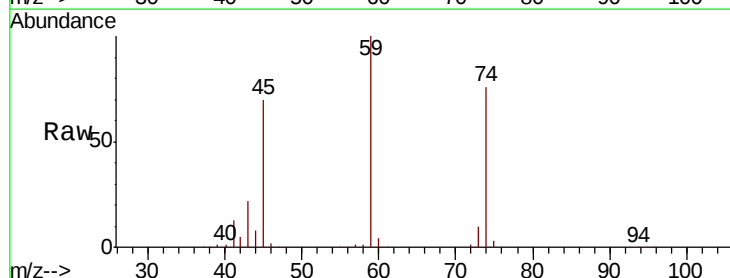
MMDadoda
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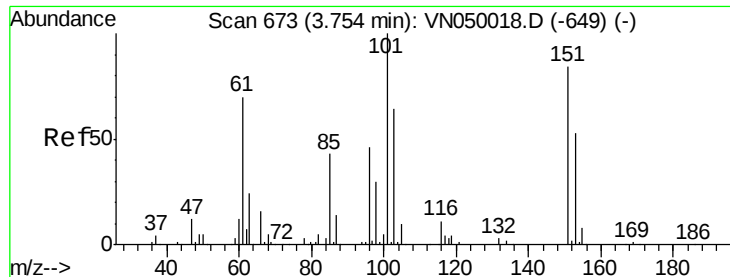


#8

Diethyl Ether
 Concen: 47.164 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050130.D
 Acq: 27 Jul 2018 15:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.581 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

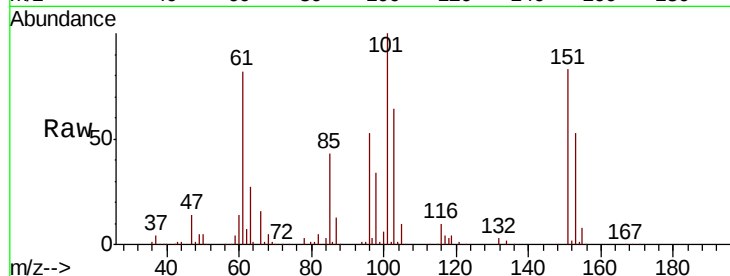
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	458727
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.2	51.2
151	84.1	66.3	99.5

Manual Integrations
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MMDadoda
7/30/2018 1:37:17 PM

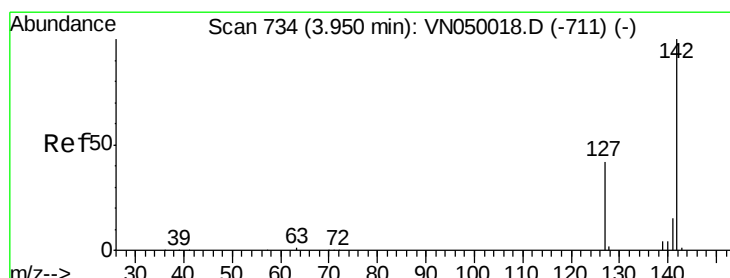
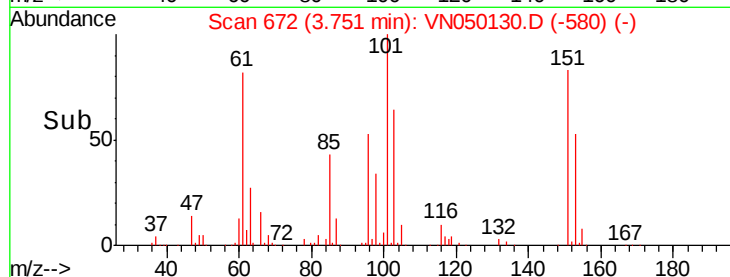
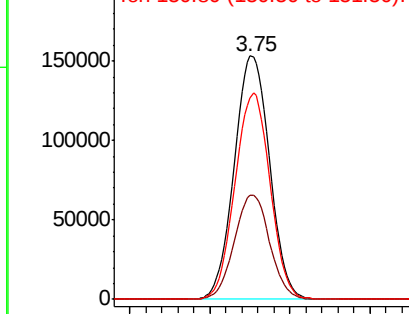


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.933 ug/l

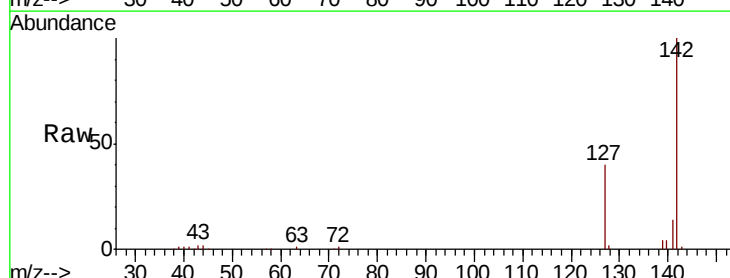
RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Tgt Ion:	142	Resp:	296221
Ion Ratio	Lower	Upper	
142	100		
127	39.7	33.4	50.2
141	13.6	11.6	17.4

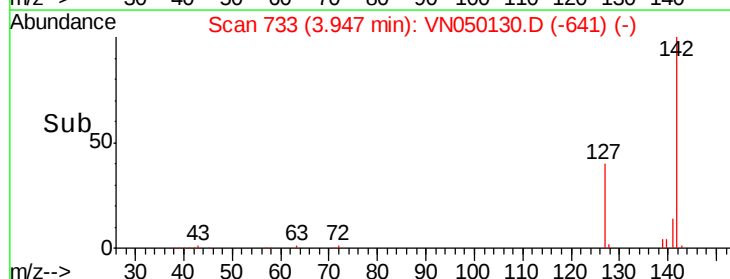
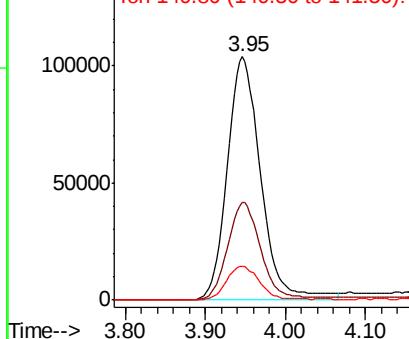


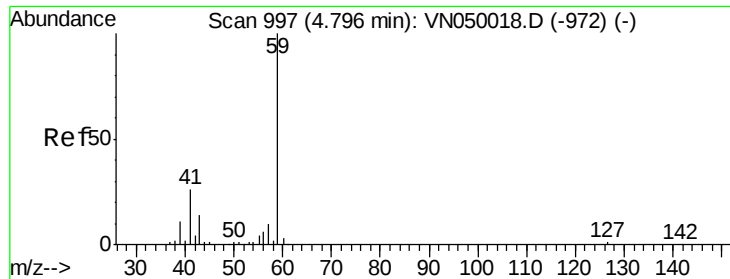
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

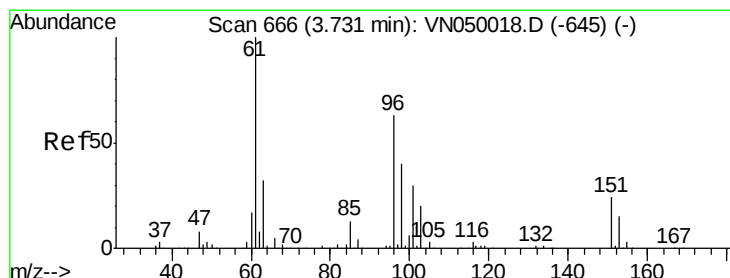
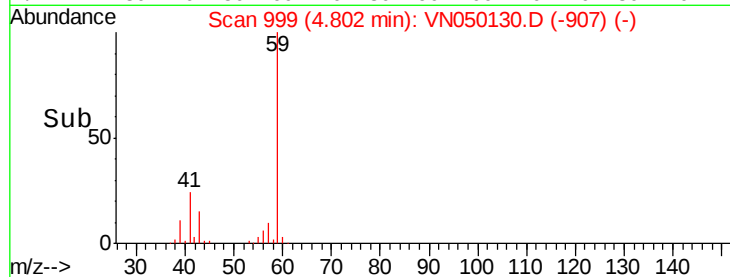
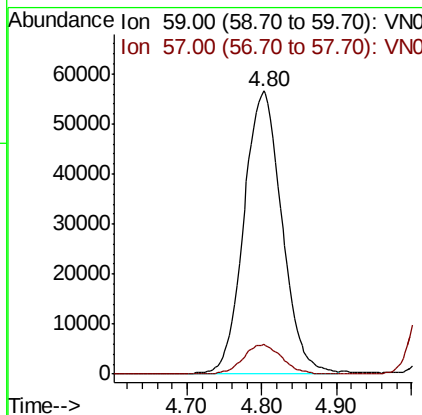
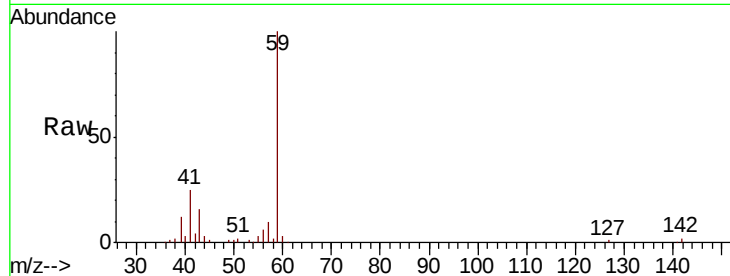
Tert butyl alcohol
 Concen: 248.745 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN050130.D
 Acq: 27 Jul 2018 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

Manual Integrations
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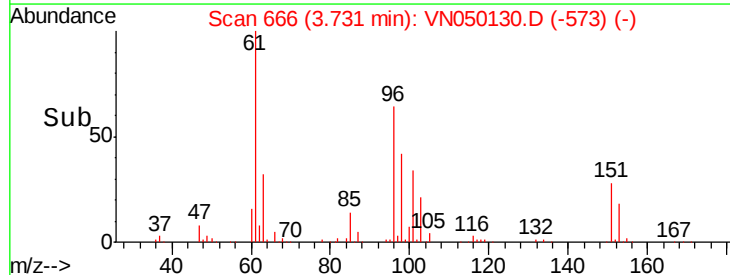
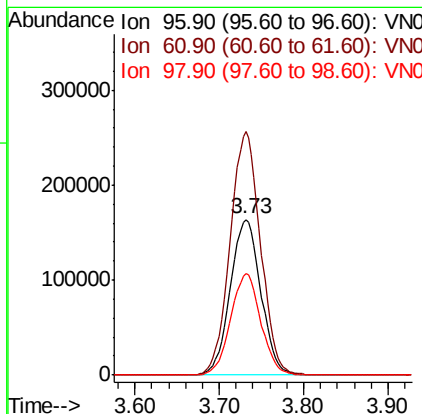
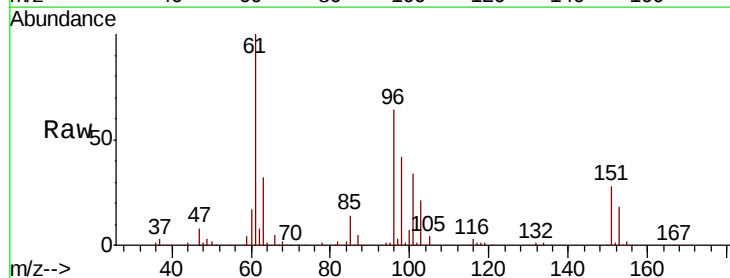
MMDadoda
 7/30/2018 1:37:17 PM

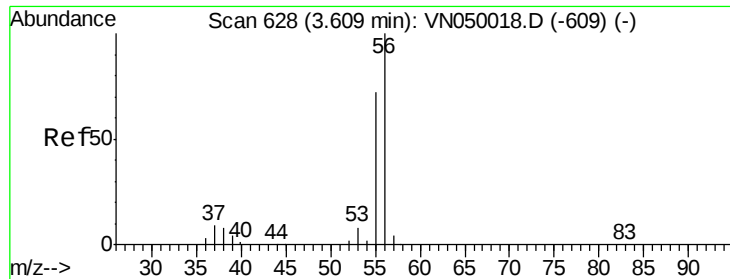


#12

1,1-Dichloroethene
 Concen: 45.648 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VN050130.D
 Acq: 27 Jul 2018 15:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.6	124.4	186.6
98	65.6	48.3	72.5





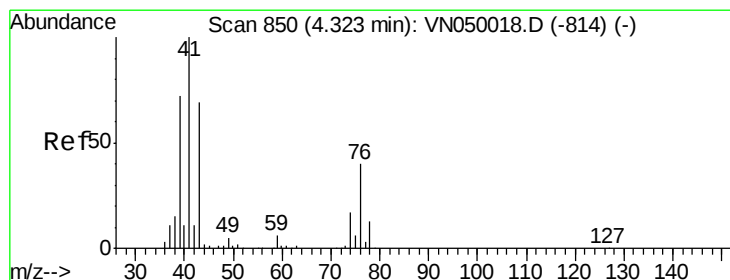
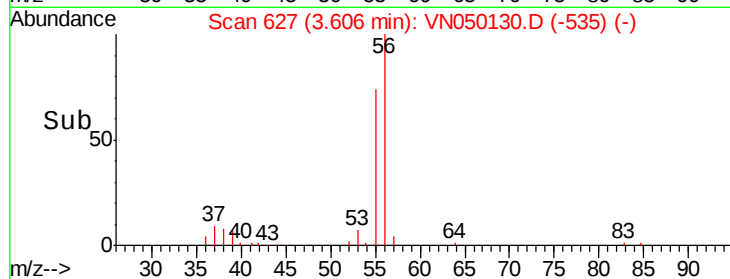
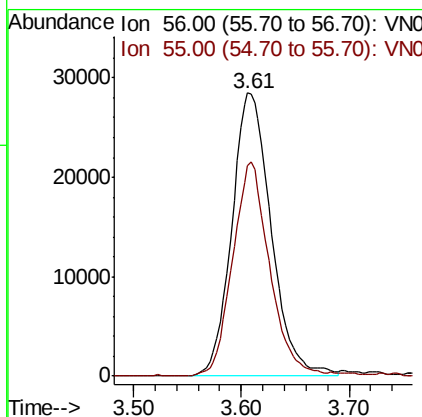
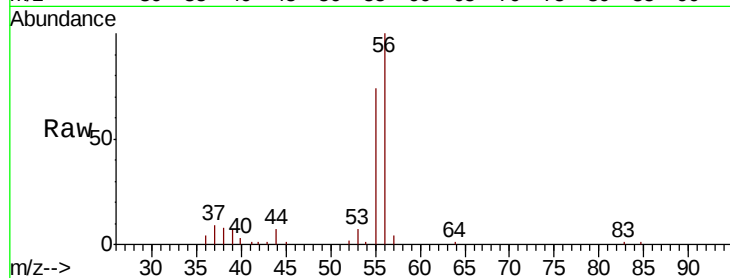
#13
Acrolein
Concen: 111.629 ug/l
RT: 3.61 min Scan# 627
Delta R.T. -0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	72320
Ion Ratio	100	Lower	Upper
56	100		
55	71.4	55.8	83.6

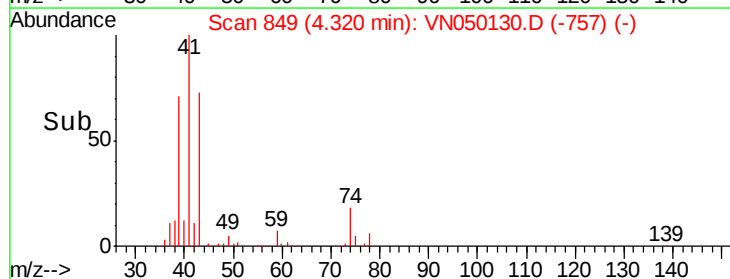
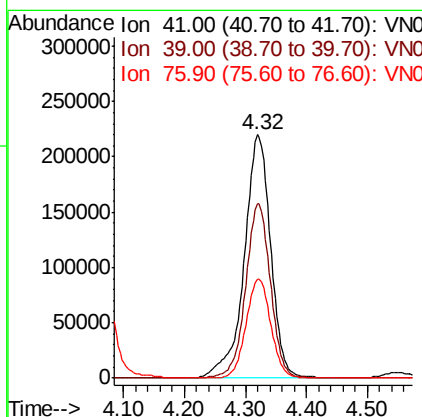
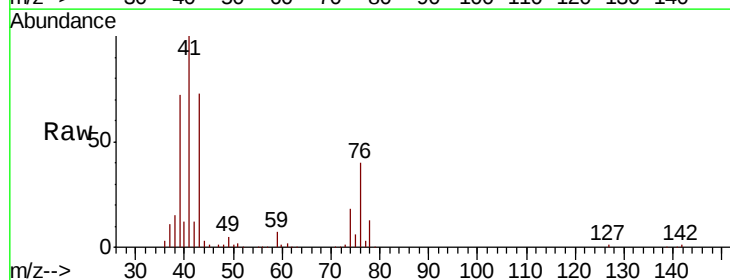
Manual Integrations
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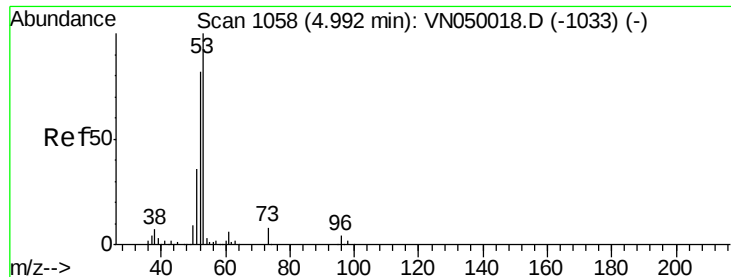
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#14
Allyl chloride
Concen: 47.107 ug/l
RT: 4.32 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Tgt Ion	41	Resp	661273
Ion Ratio	100	Lower	Upper
41	100		
39	67.4	54.2	81.4
76	37.3	29.0	43.6





#15

Acrylonitrile

Concen: 229.289 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

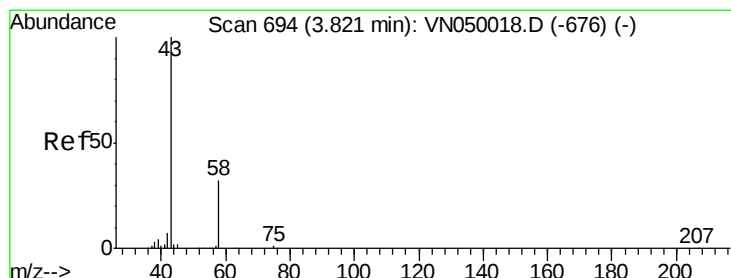
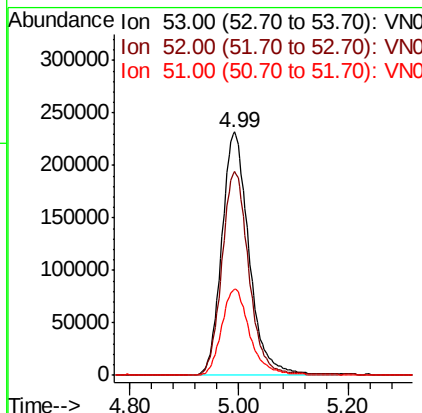
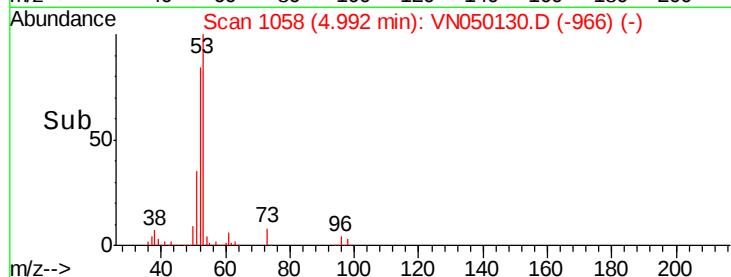
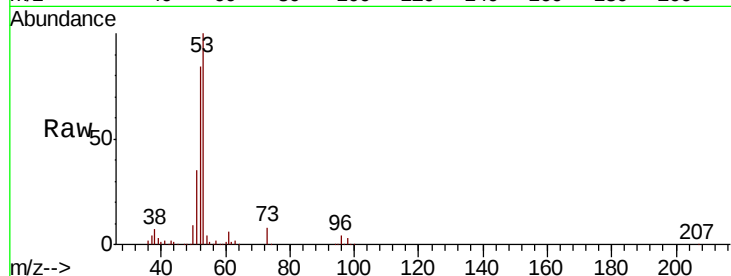
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	806639
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.2	99.2
51	36.5	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 257.016 ug/l

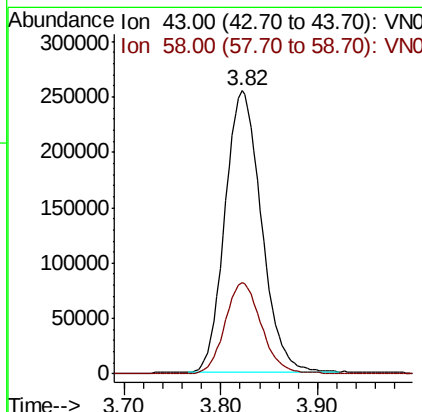
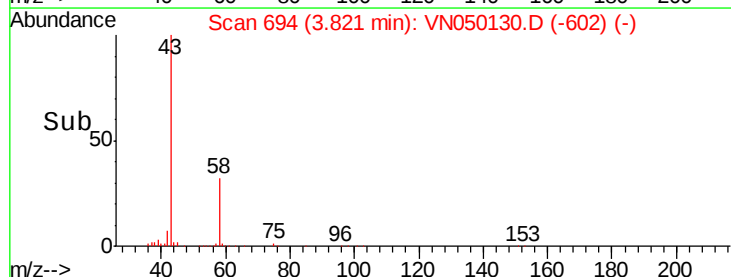
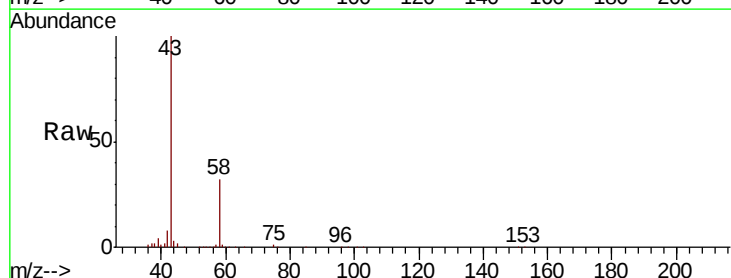
RT: 3.82 min Scan# 694

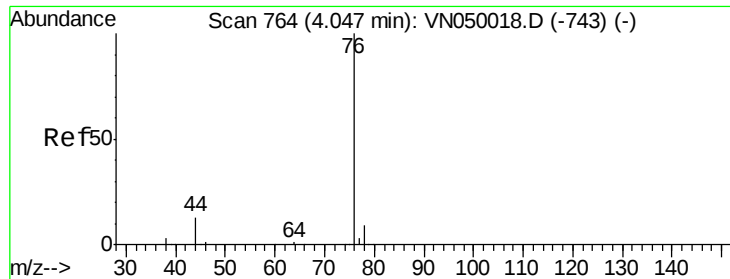
Delta R.T. -0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Tgt Ion:	43	Resp:	663146
Ion	Ratio	Lower	Upper
43	100		
58	32.3	25.8	38.8





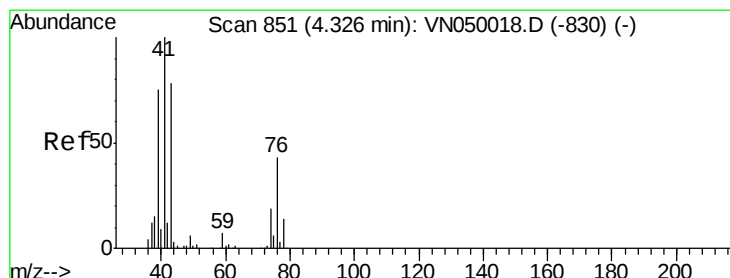
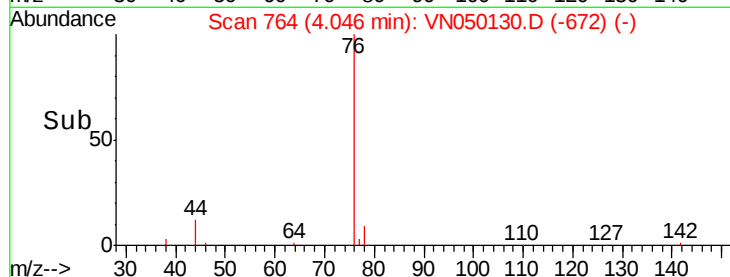
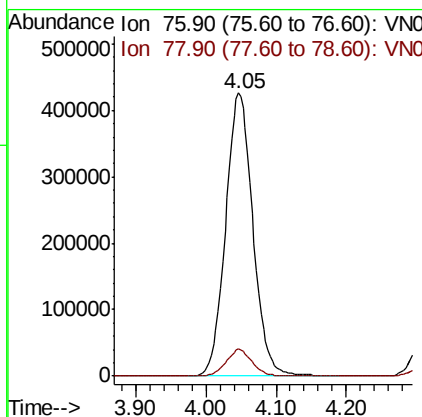
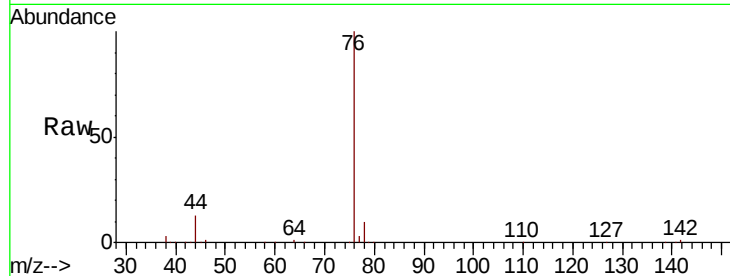
#17
Carbon Disulfide
Concen: 41.448 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1149520
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9

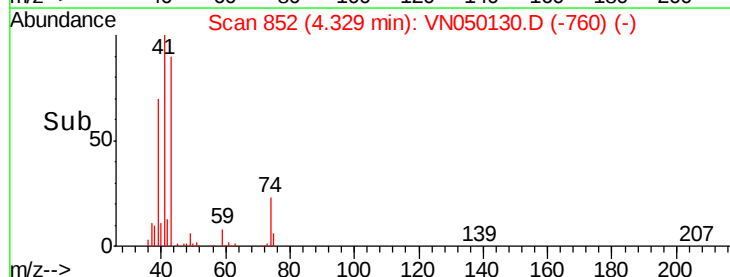
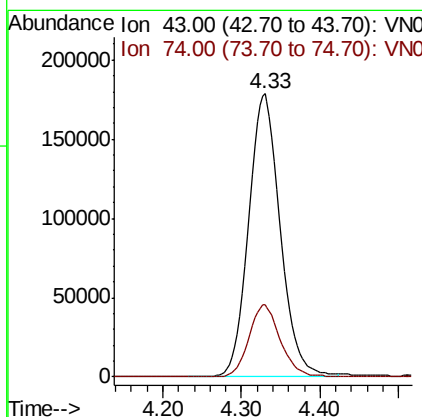
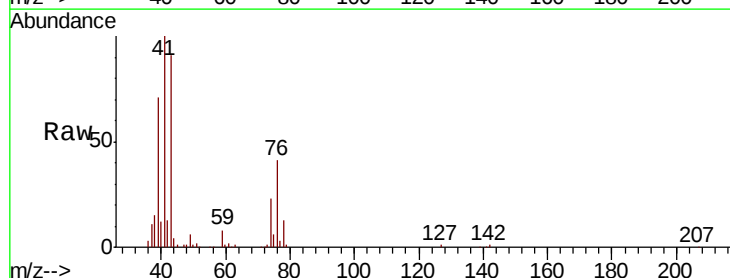
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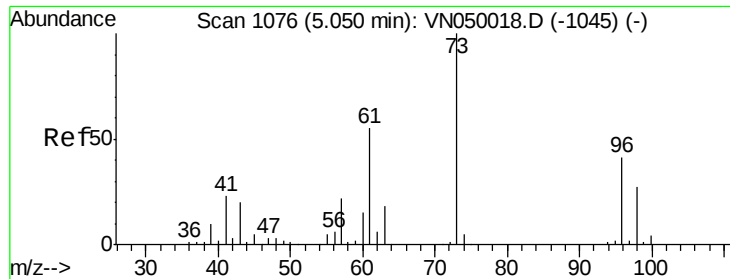
MMDadoda
7/30/2018 1:37:17 PM



#18
Methyl Acetate
Concen: 50.511 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Tgt Ion: 43 Resp: 506987
Ion Ratio Lower Upper
43 100
74 25.5 19.2 28.8





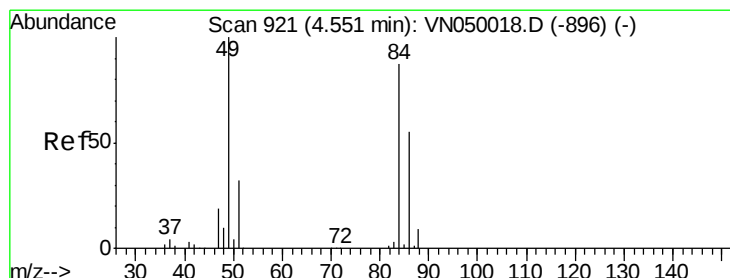
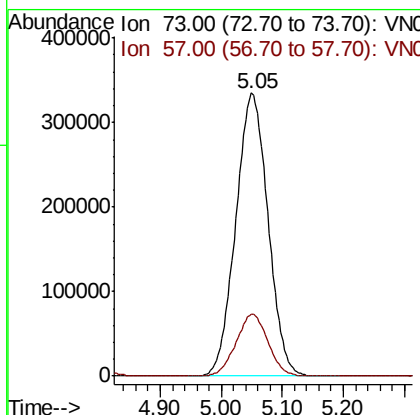
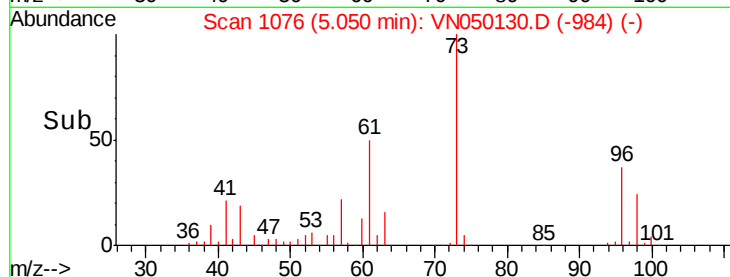
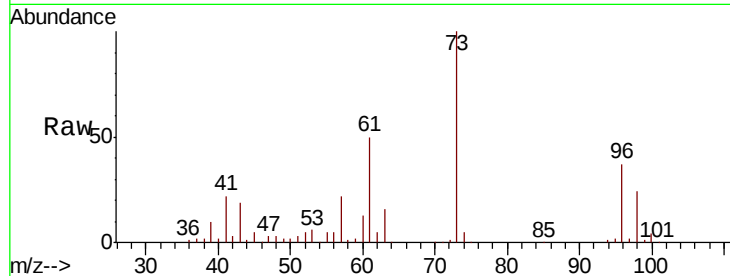
#19
Methvl tert-butvl Ether
Concen: 50.969 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1229638
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0

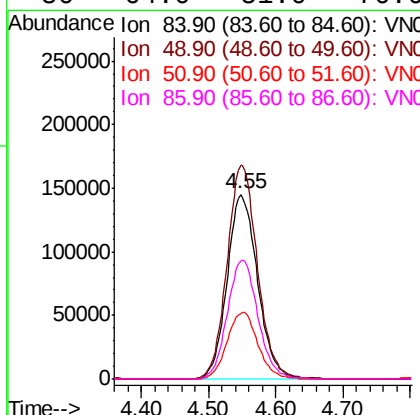
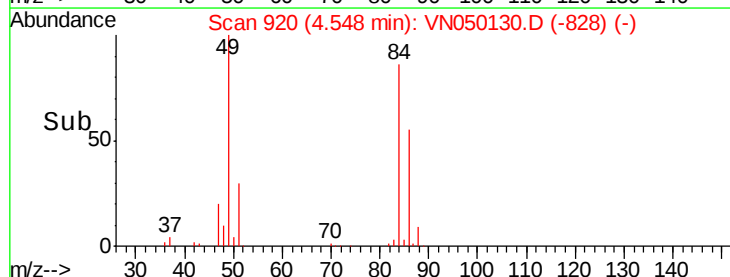
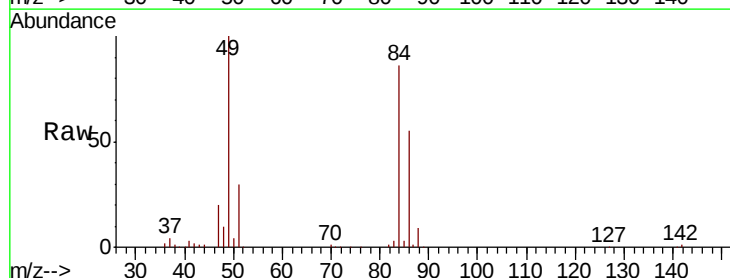
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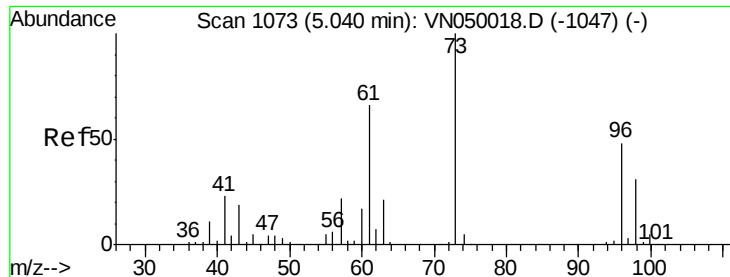
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#20
Methylene Chloride
Concen: 47.056 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Tgt Ion: 84 Resp: 457953
Ion Ratio Lower Upper
84 100
49 115.7 94.8 142.2
51 35.2 28.3 42.5
86 64.0 51.0 76.6





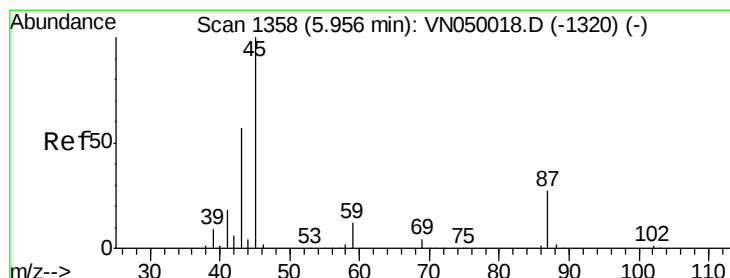
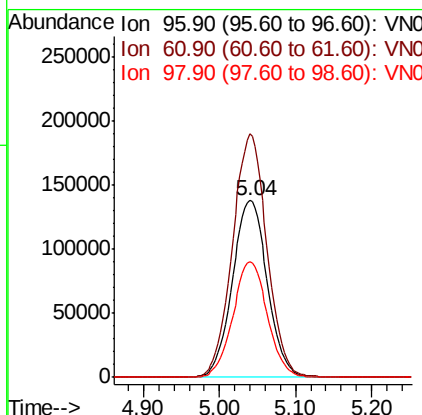
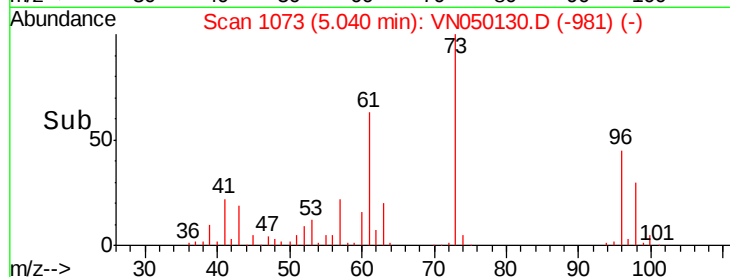
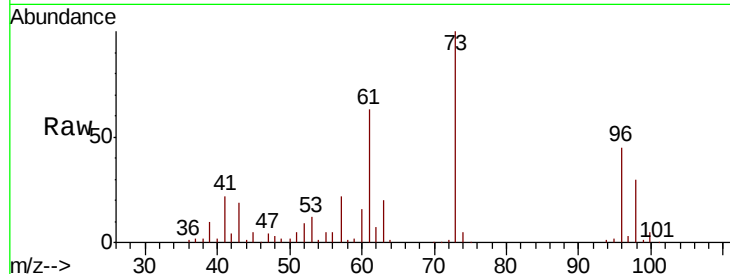
#21
trans-1,2-Dichloroethene
Concen: 45.898 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	110.7	166.1
98	65.3	51.6	77.4

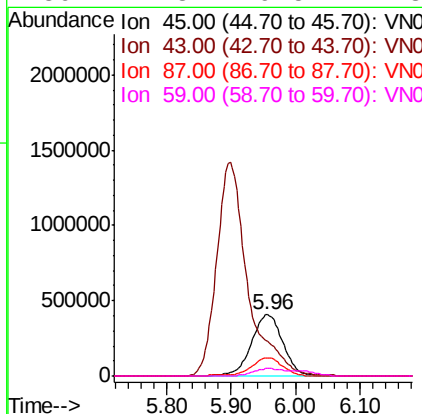
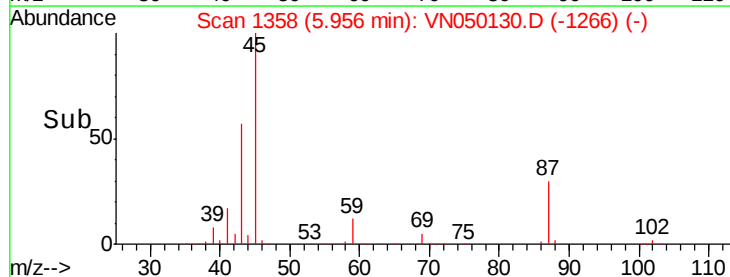
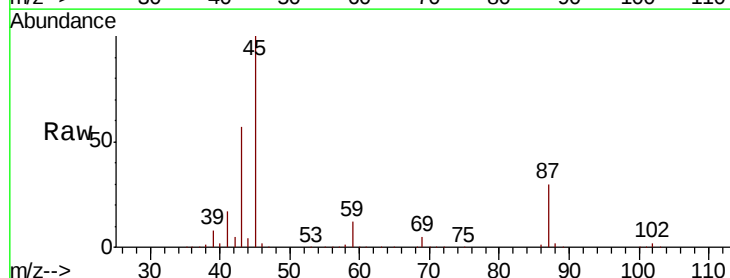
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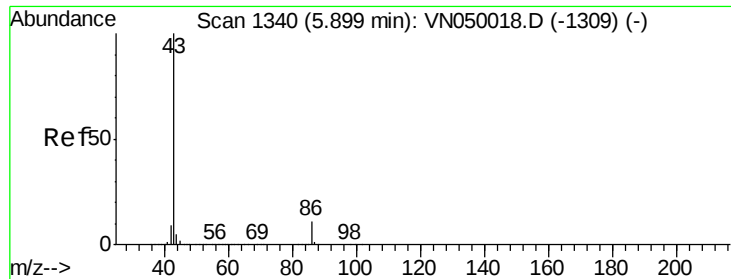
MMDadoda
7/30/2018 1:37:17 PM



#22
Diisopropyl ether
Concen: 49.602 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.9	45.7	68.5
87	29.9	22.7	34.1
59	11.8	9.5	14.3





#23

Vinyl Acetate

Concen: 242.973 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4779244

Ion Ratio Lower Upper

43 100

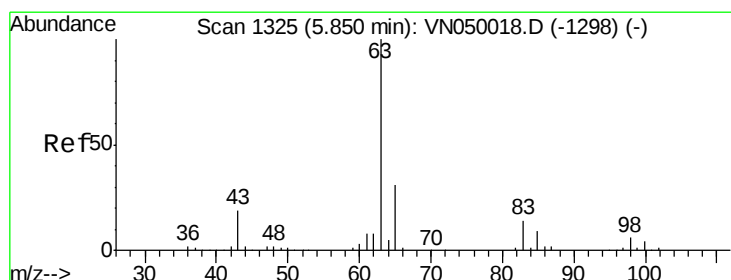
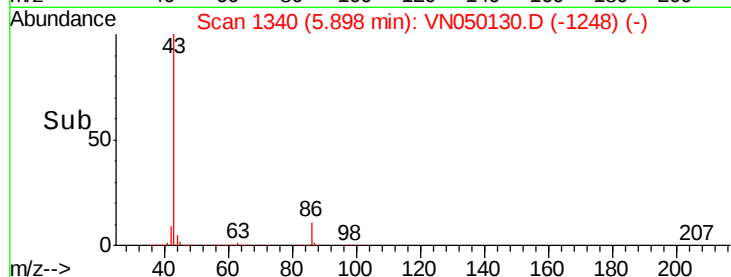
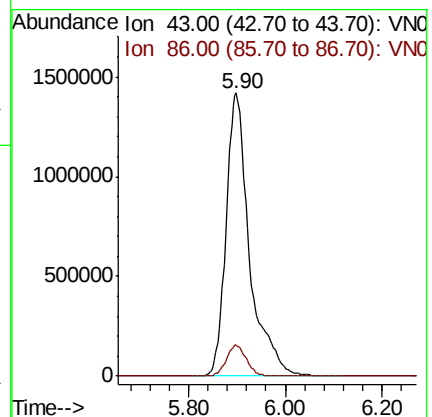
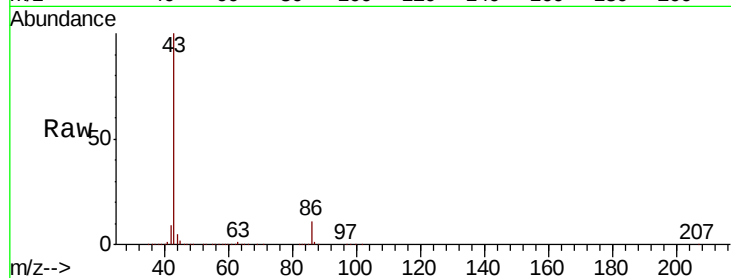
86 11.0 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 45.476 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

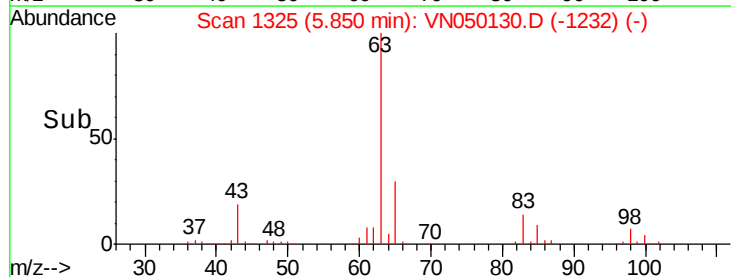
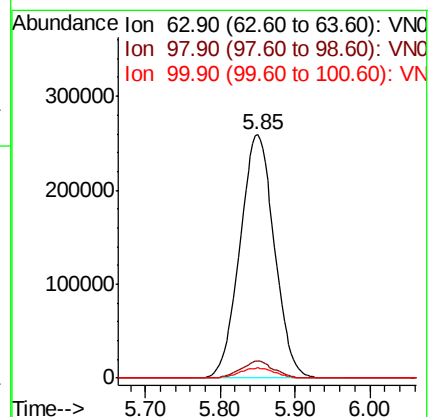
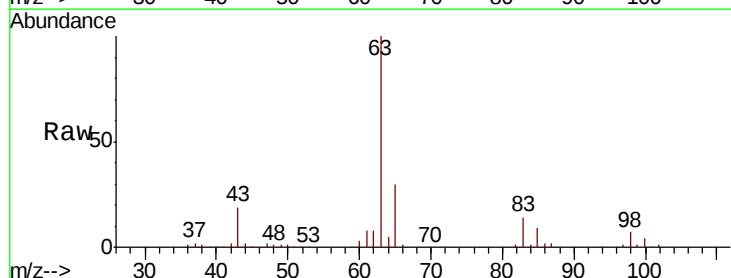
Tgt Ion: 63 Resp: 827708

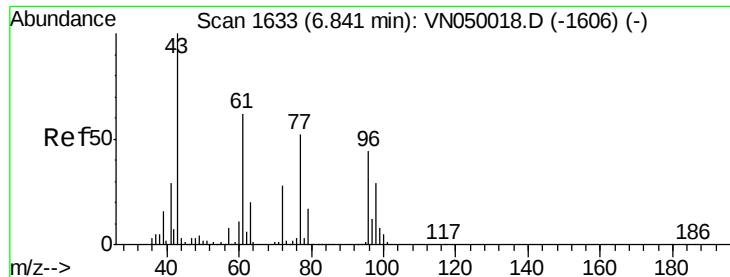
Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 242.920 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1015427

Ion Ratio Lower Upper

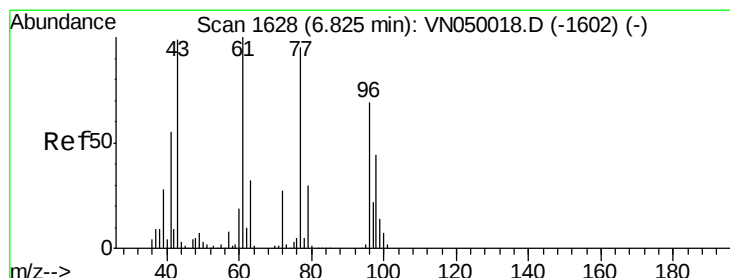
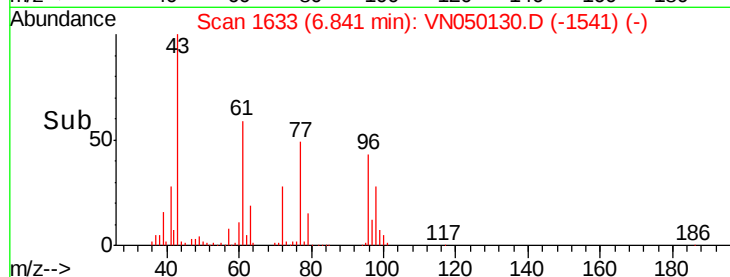
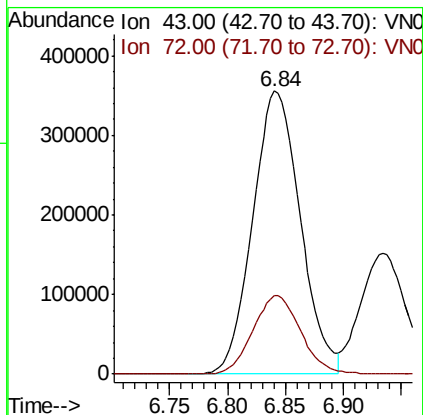
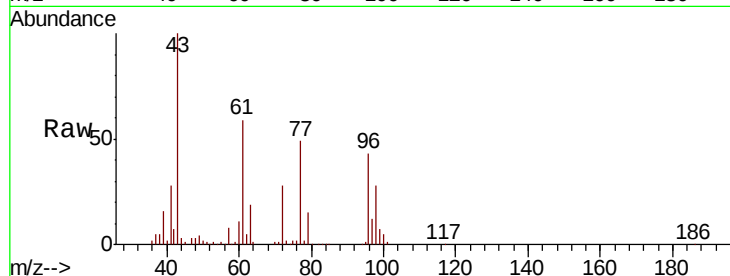
43 100

72 27.8 21.5 32.3

Manual Integrations
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MMDadoda

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#26

2,2-Dichloropropane

Concen: 50.597 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050130.D

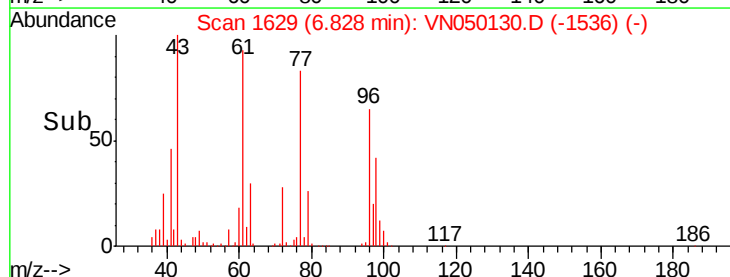
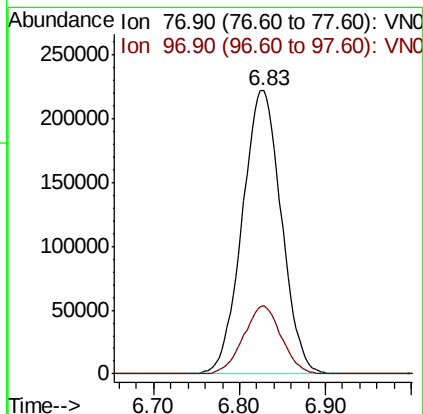
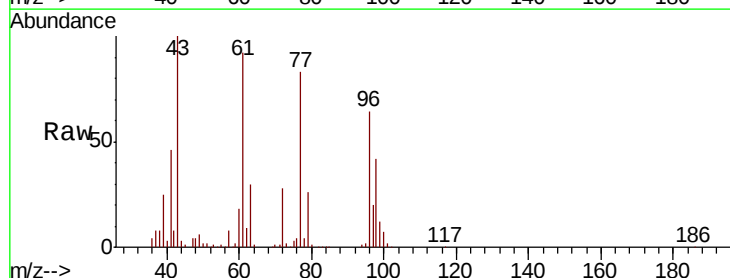
Acq: 27 Jul 2018 15:08

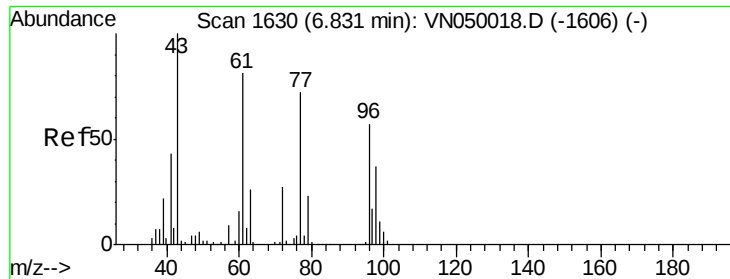
Tgt Ion: 77 Resp: 700579

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.3





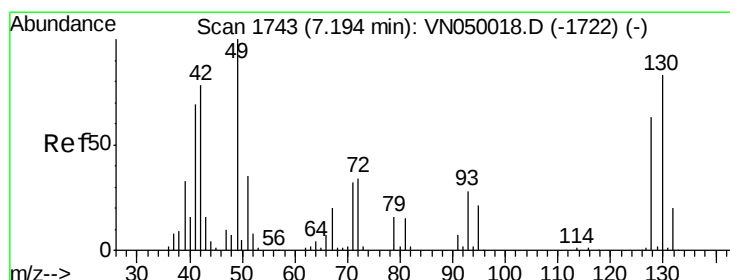
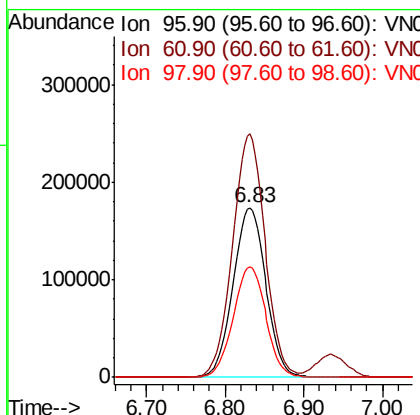
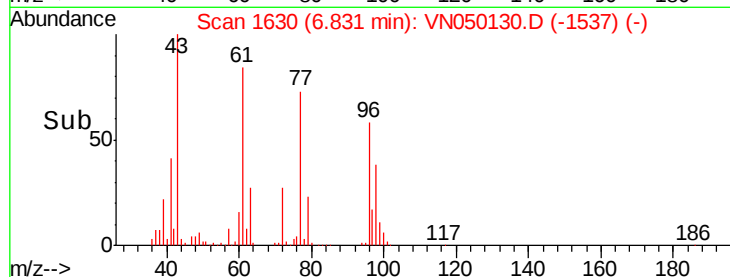
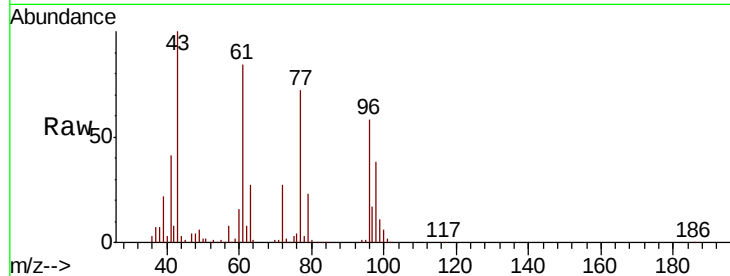
#27
 cis-1,2-Dichloroethene
 Concen: 49.076 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050130.D
 Acq: 27 Jul 2018 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	506779		
61	142.0		0.0	285.0
98	65.1		0.0	129.2

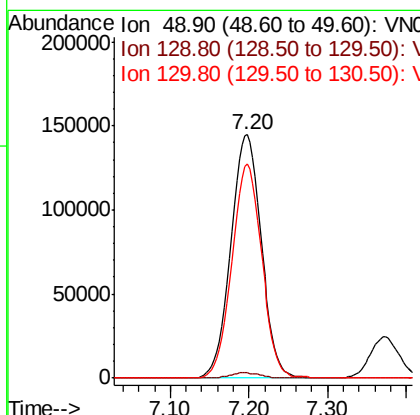
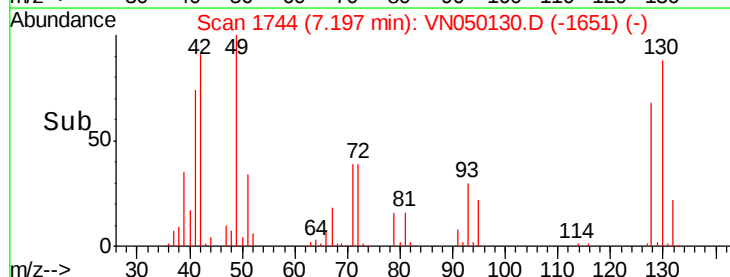
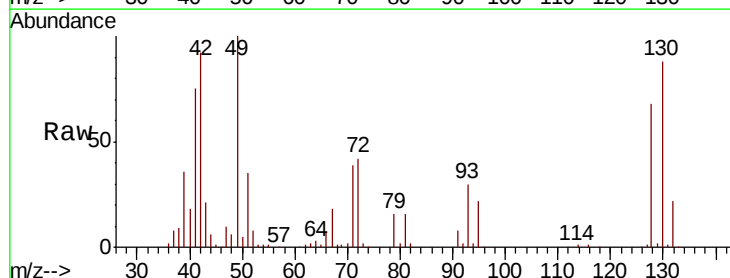
Manual Integrations
 APPROVED

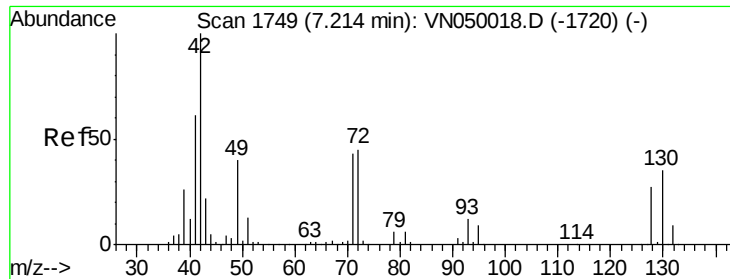
MMDadoda
 7/30/2018 1:37:17 PM



#28
 Bromochloromethane
 Concen: 47.138 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050130.D
 Acq: 27 Jul 2018 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	391330		
129	2.2		0.0	4.0
130	86.3		66.3	99.5





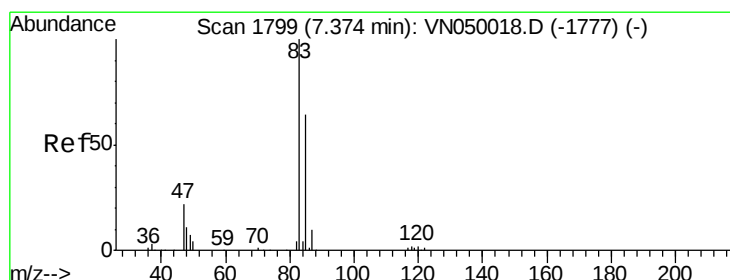
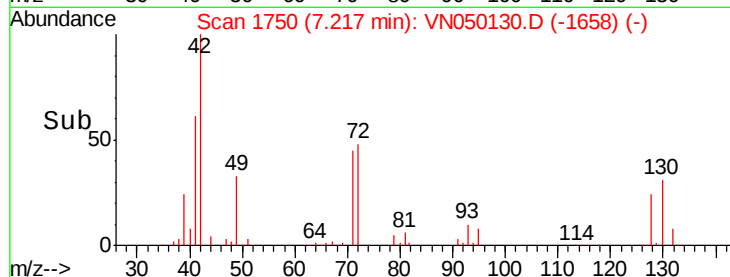
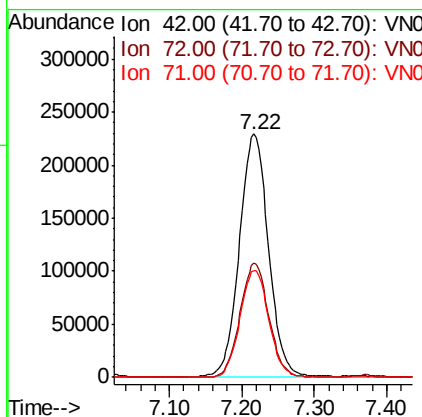
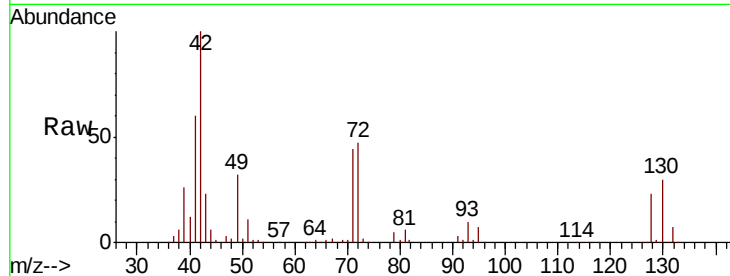
#29
Tetrahydrofuran
Concen: 237.282 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	35.9	53.9
71	43.5	33.7	50.5

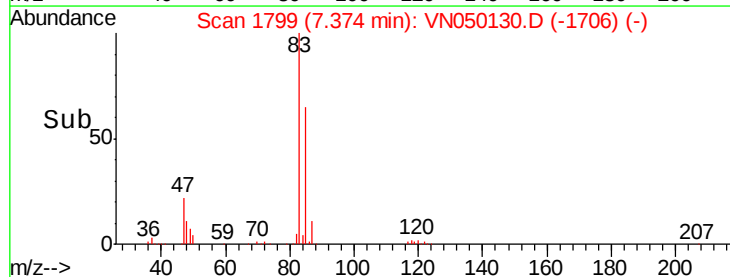
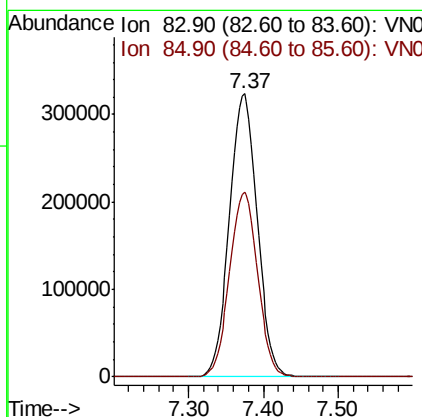
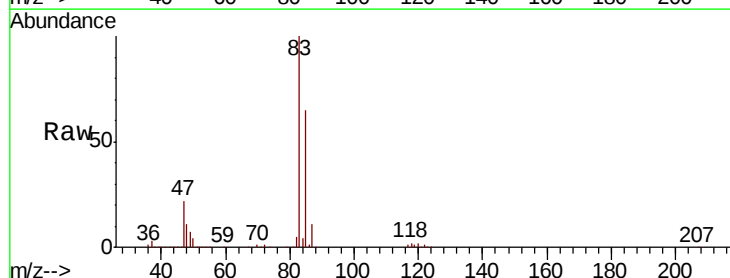
Manual Integrations
APPROVED

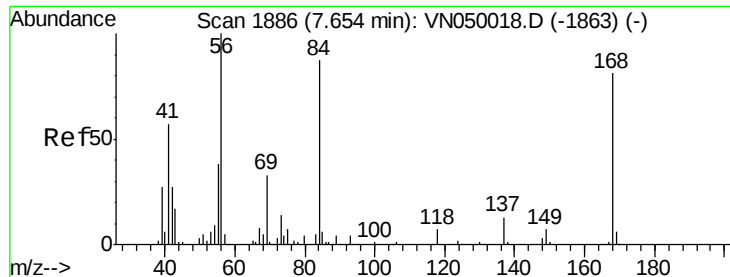
MMDadoda
7/30/2018 1:37:17 PM



#30
Chloroform
Concen: 45.253 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.5	78.7





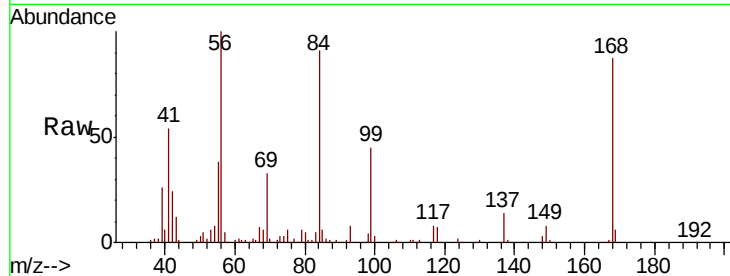
#31
Cyclohexane
Concen: 46.422 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	26.2	39.4
84	89.6	67.4	101.0

Manual Integrations
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7/30/2018 1:37:17 PM

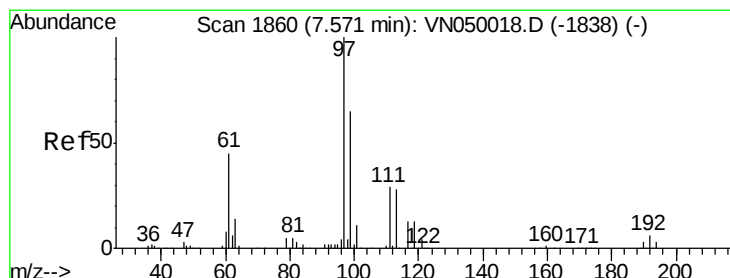
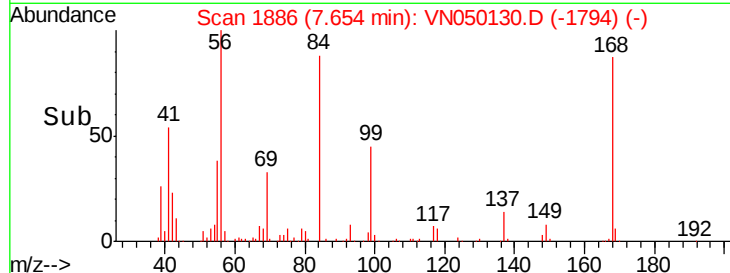
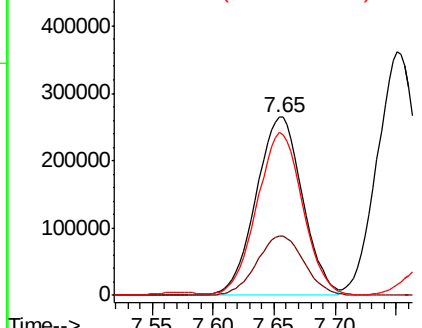


Abundance

Ion 56.00 (55.70 to 56.70): VN050018.D (-1863) (-)

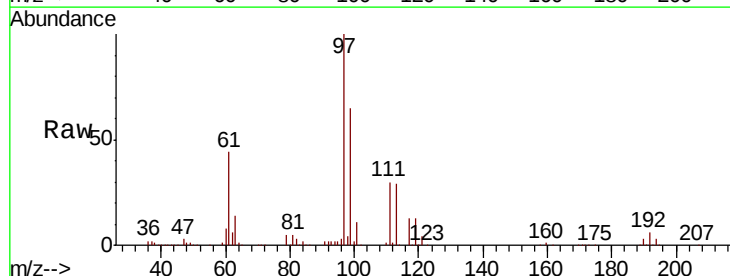
Ion 69.00 (68.70 to 69.70): VN050018.D (-1863) (-)

Ion 84.00 (83.70 to 84.70): VN050018.D (-1863) (-)



#32
1,1,1-Trichloroethane
Concen: 46.143 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	43.8	35.4	53.0

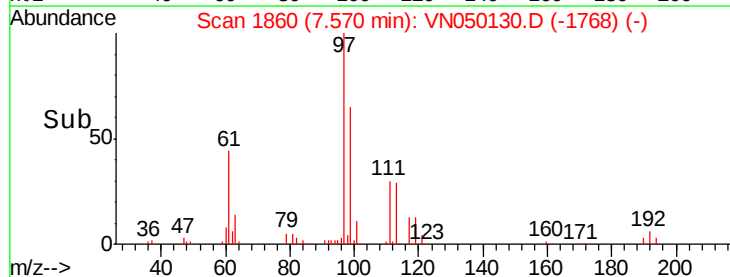
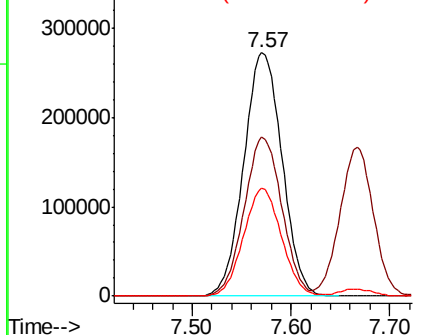


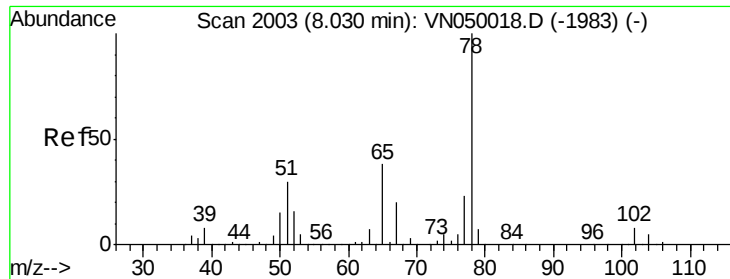
Abundance

Ion 96.90 (96.60 to 97.60): VN050018.D (-1838) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1838) (-)

Ion 60.90 (60.60 to 61.60): VN050018.D (-1838) (-)





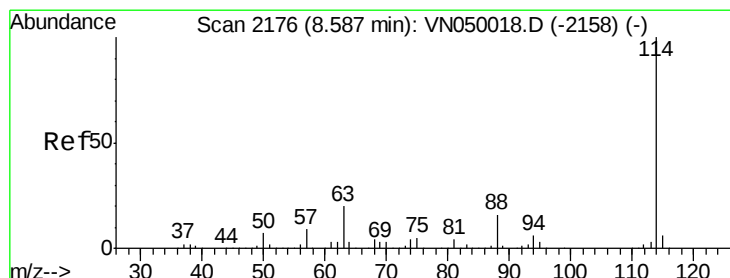
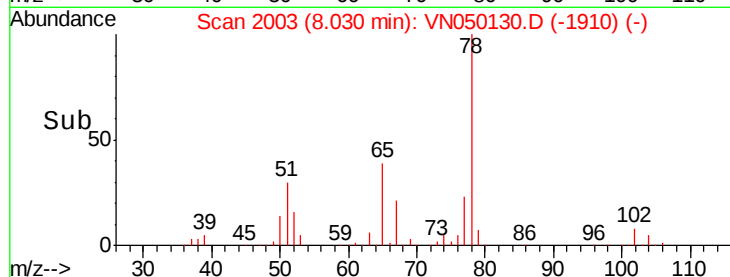
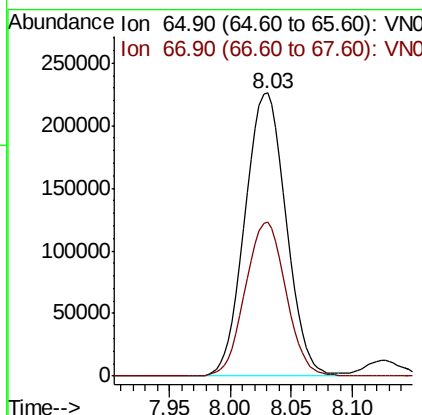
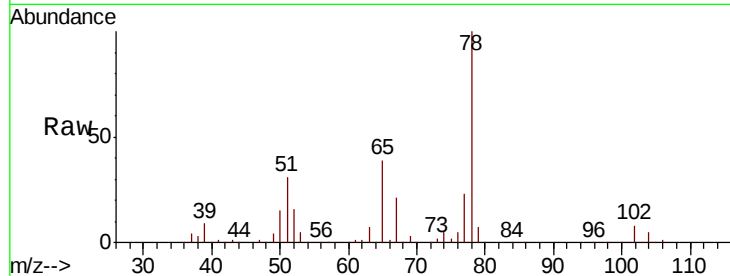
#33
 1,2-Dichloroethane-d4
 Concen: 48.221 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050130.D
 Acq: 27 Jul 2018 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

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

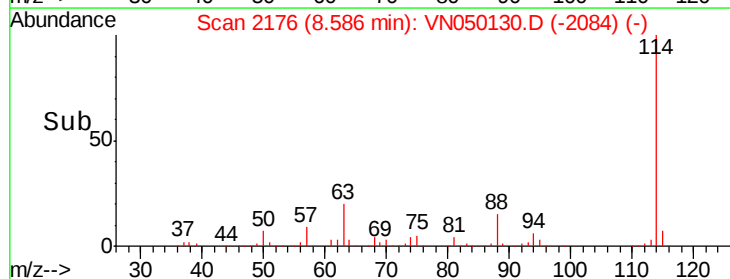
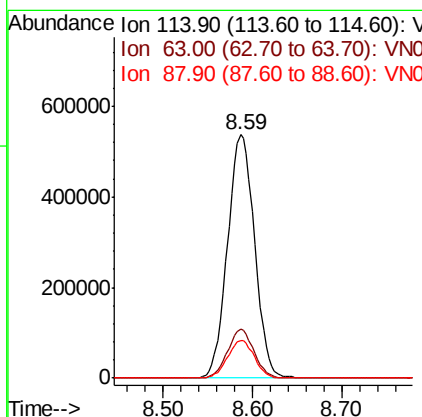
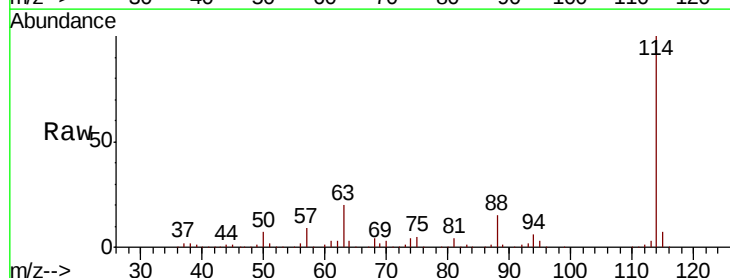
Manual Integrations
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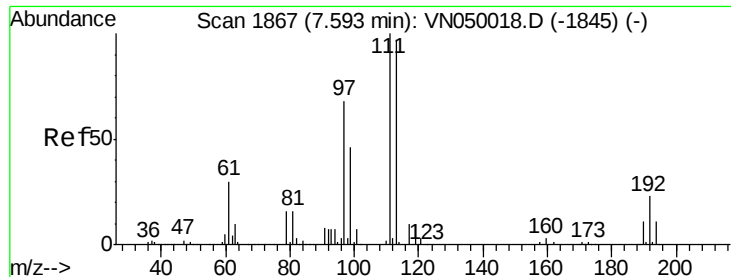
MMDadoda
 7/30/2018 1:37:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050130.D
 Acq: 27 Jul 2018 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.0	0.0	40.0	
88	15.4	0.0	31.2	





#35

Dibromofluoromethane

Concen: 51.798 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

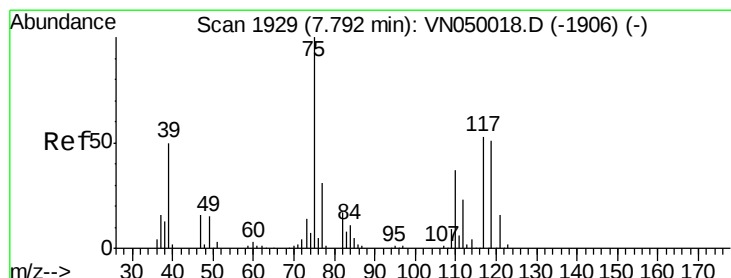
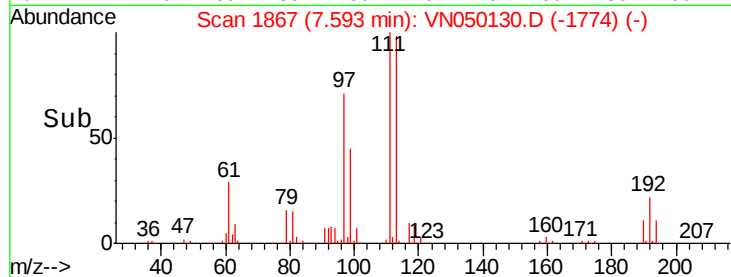
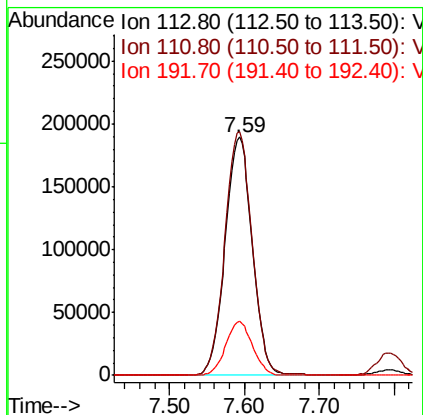
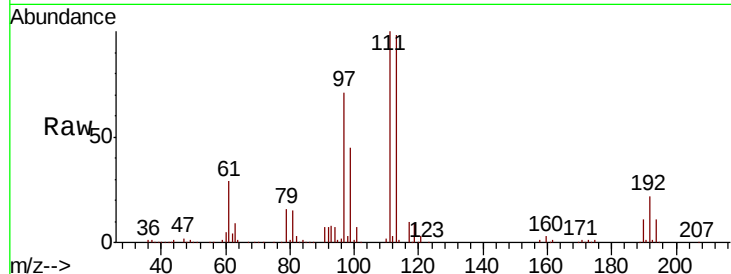
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	477635
Ion Ratio	Lower	Upper	
113	100		
111	102.4	80.7	121.1
192	22.3	17.8	26.6

Manual Integrations
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7/30/2018 1:37:17 PM



#36

1,1-Dichloropropene

Concen: 49.884 ug/l

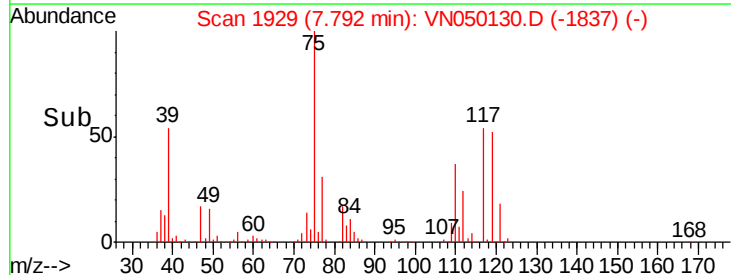
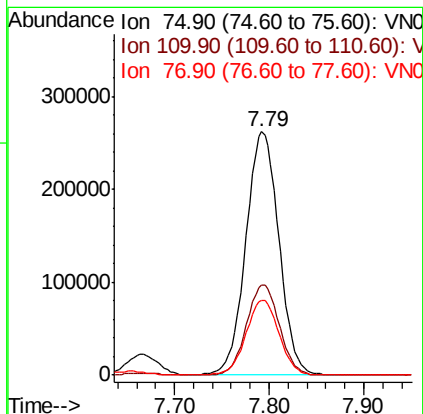
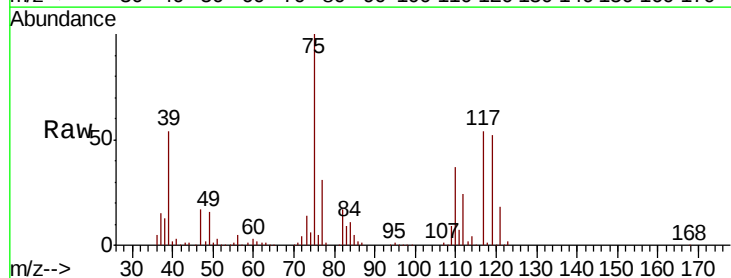
RT: 7.79 min Scan# 1929

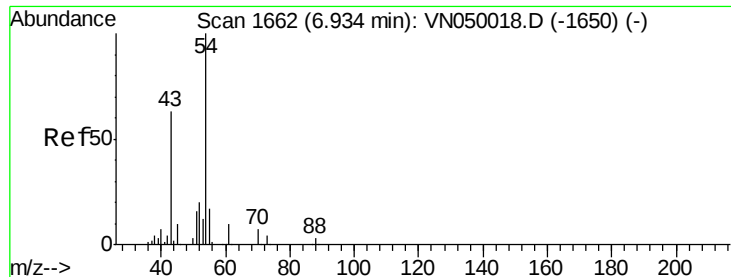
Delta R.T. -0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Tgt Ion:	75	Resp:	634716
Ion Ratio	Lower	Upper	
75	100		
110	37.0	18.4	55.2
77	31.1	25.3	37.9





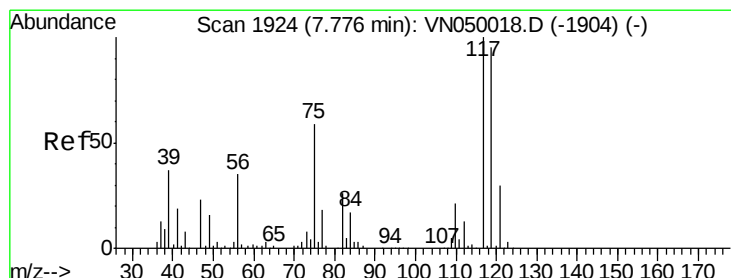
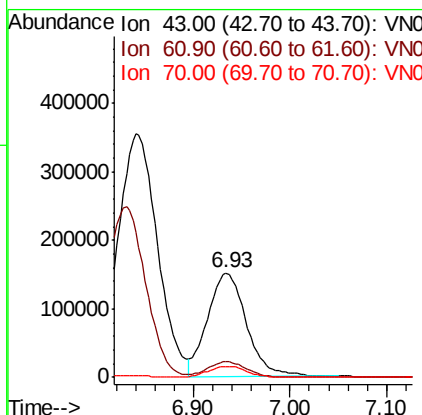
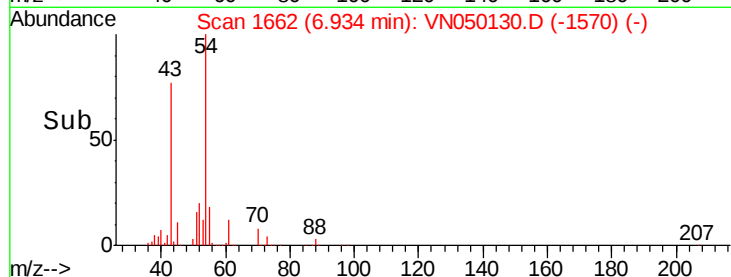
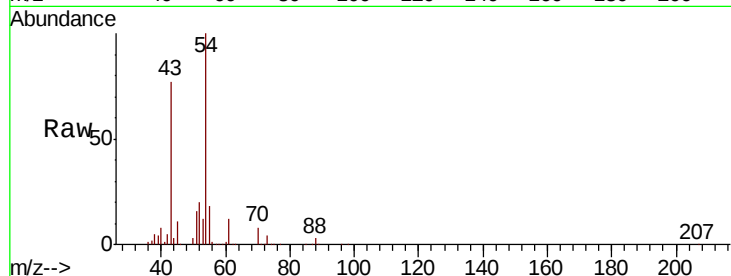
#37
Ethyl Acetate
Concen: 47.783 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.8
70	10.5	8.4	12.6

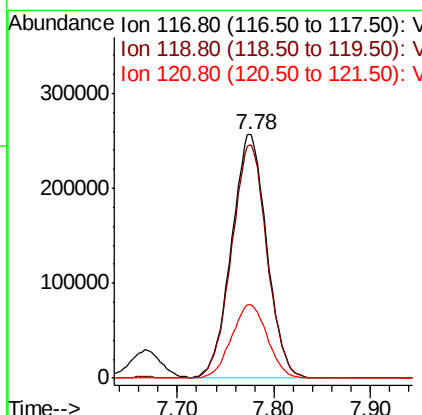
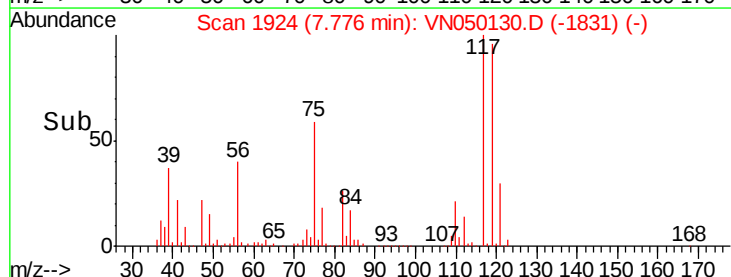
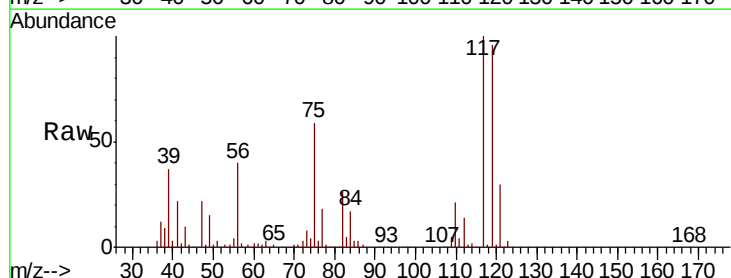
Manual Integrations
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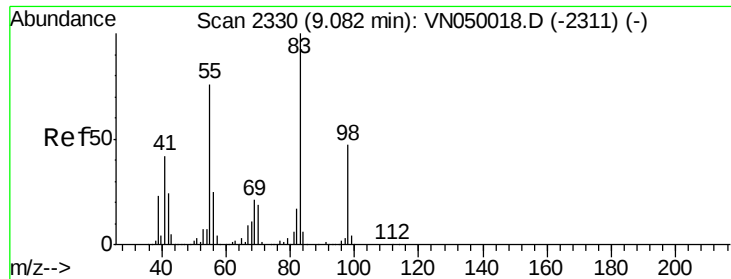
MMDadoda
7/30/2018 1:37:17 PM



#38
Carbon Tetrachloride
Concen: 48.087 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.4	116.0
121	30.4	23.9	35.9





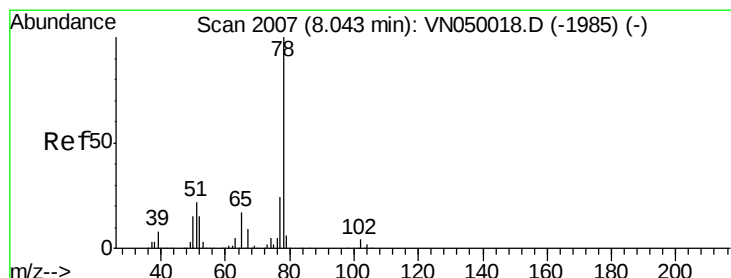
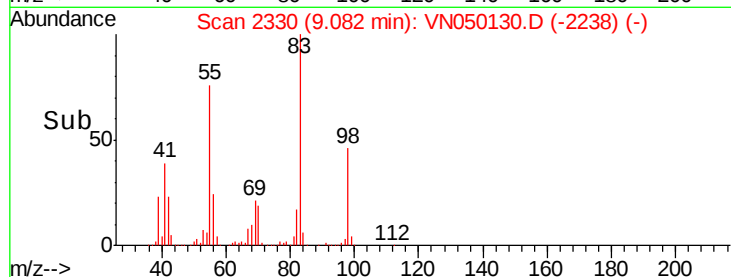
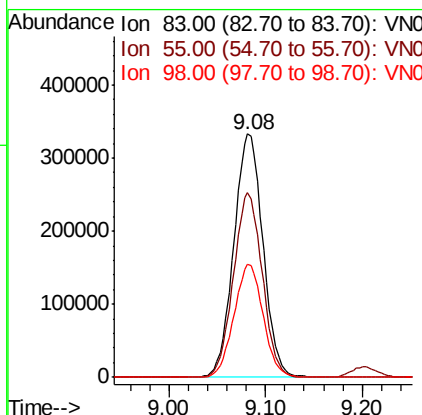
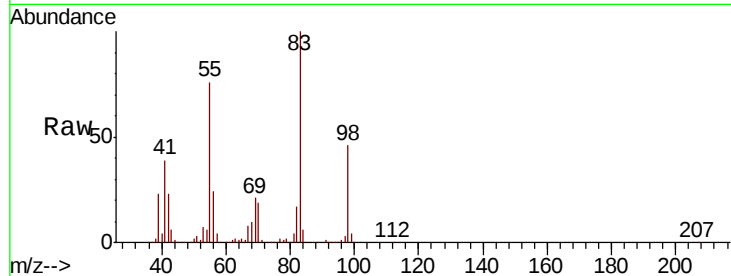
#39
Methvlcvclohexane
Concen: 53.207 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	61.8	92.8
98	46.5	36.5	54.7

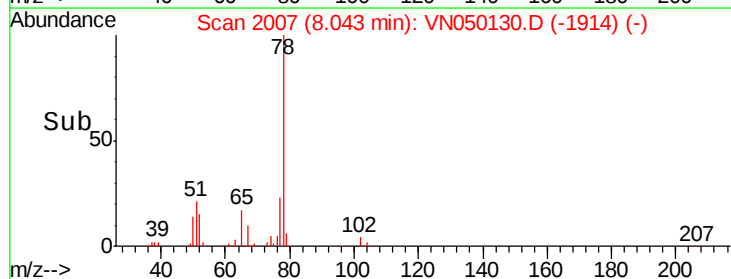
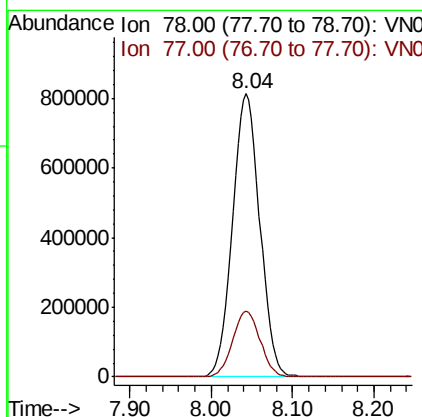
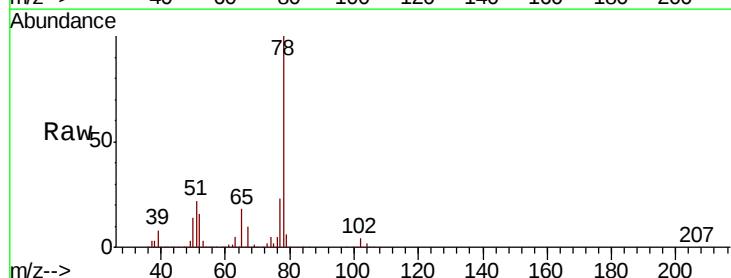
Manual Integrations
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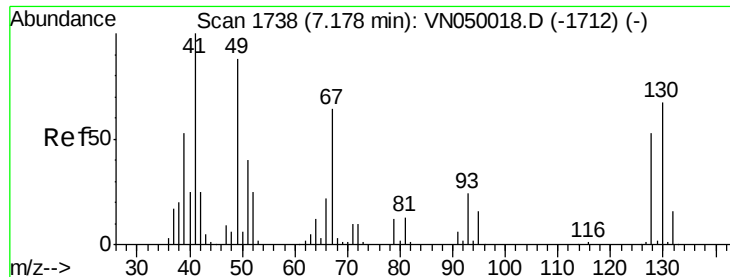
MMDadoda
7/30/2018 1:37:17 PM



#40
Benzene
Concen: 48.935 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





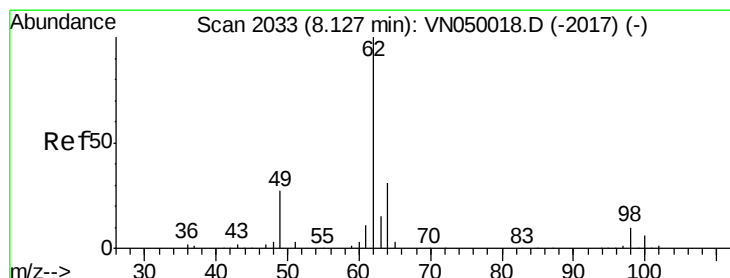
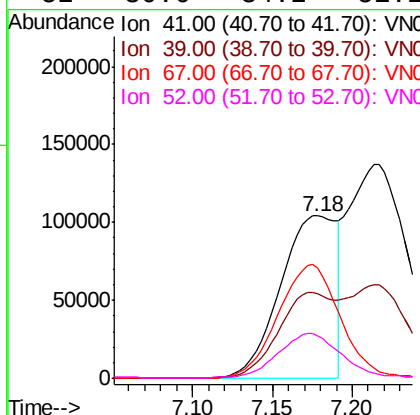
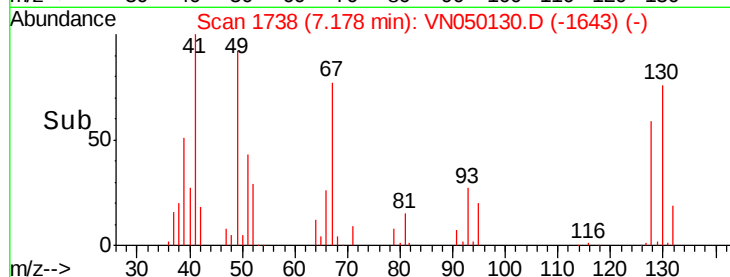
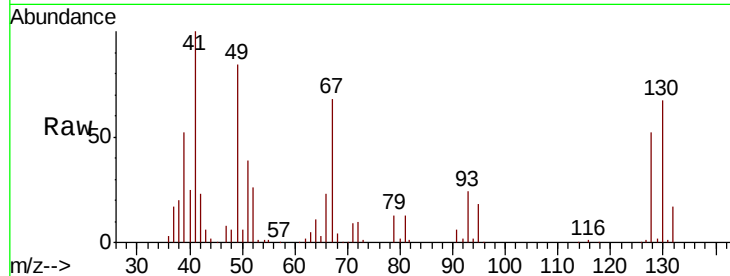
#41
Methacrylonitrile
Concen: 55.046 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.0	55.8	83.6#
67	77.2	84.3	126.5#
52	30.6	34.2	51.2#

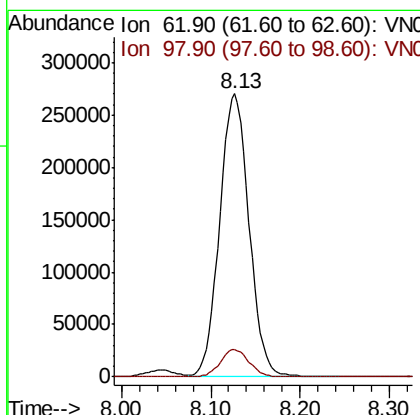
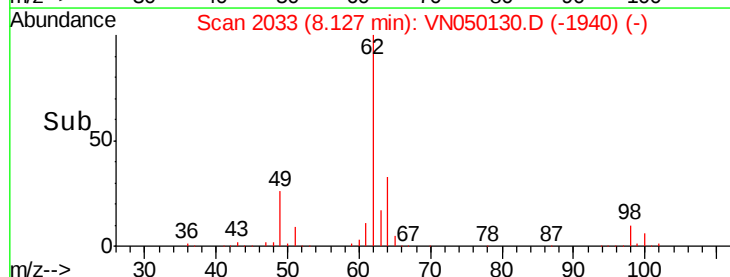
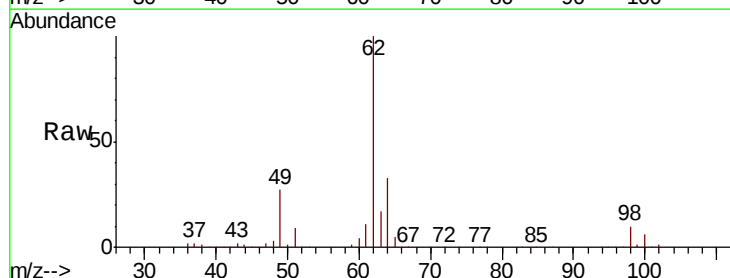
Manual Integrations
APPROVED

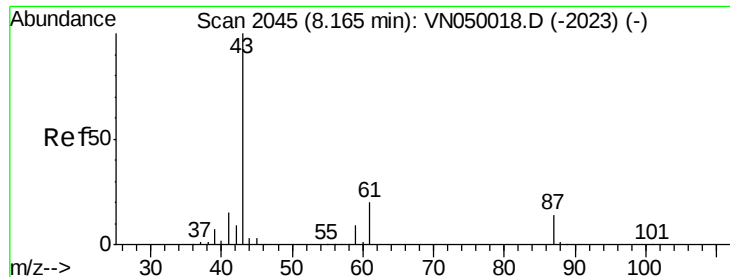
MMDadoda
7/30/2018 1:37:17 PM



#42
1,2-Dichloroethane
Concen: 47.609 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.8





#43

Isopropyl Acetate

Concen: 47.782 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 799647

Ion Ratio Lower Upper

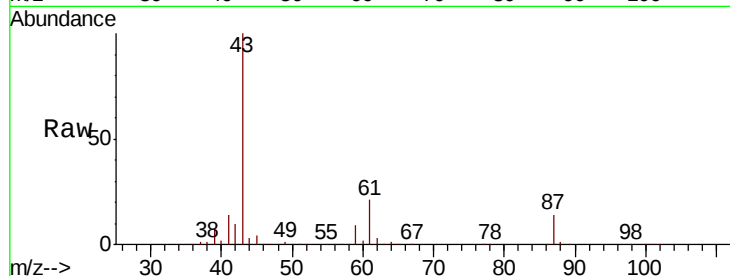
43 100

61 27.7 15.8 23.6#

87 13.5 10.3 15.5

Manual Integrations
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MMDadoda
7/30/2018 1:37:17 PM

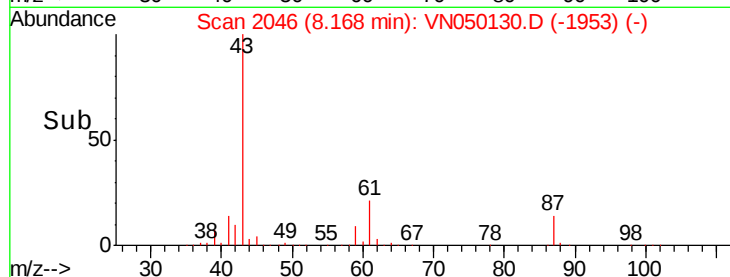


Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)

Time-->

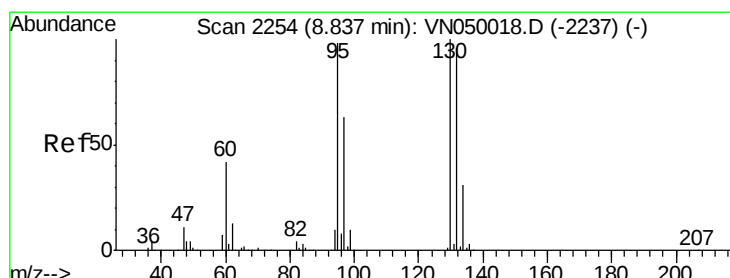


Abundance Ion 43.00 (42.70 to 43.70): VN050130.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN050130.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN050130.D (-1953) (-)

Time-->



#44

Trichloroethene

Concen: 48.502 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050130.D

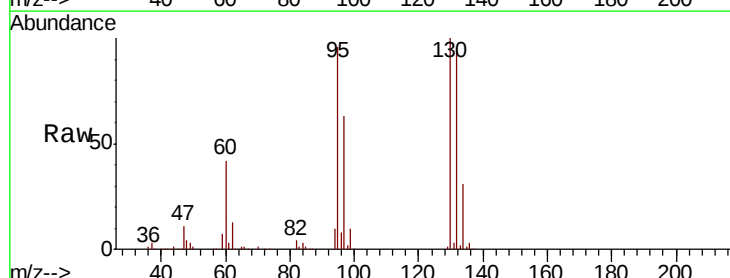
Acq: 27 Jul 2018 15:08

Tgt Ion:130 Resp: 504616

Ion Ratio Lower Upper

130 100

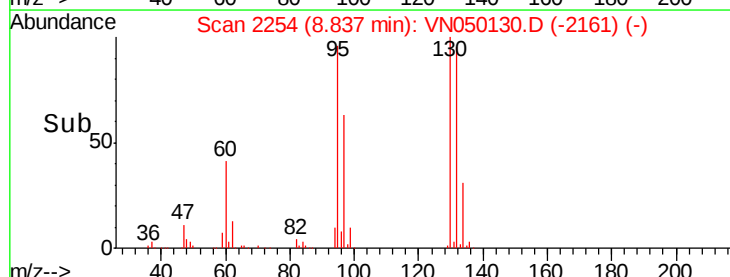
95 96.1 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050018.D (-2237) (-)

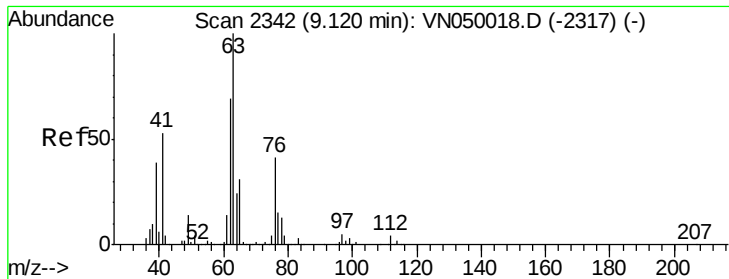
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN050130.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN050130.D (-2161) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 48.138 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 493673

Ion Ratio Lower Upper

63 100

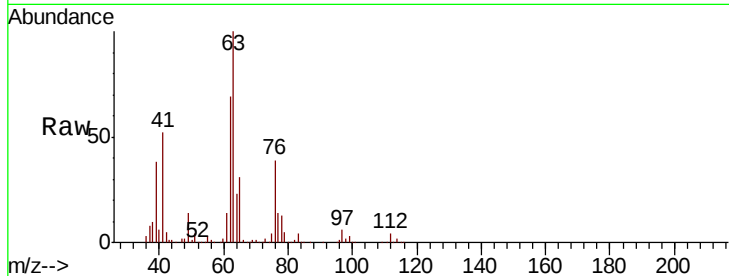
65 31.0 25.5 38.3

Manual Integrations

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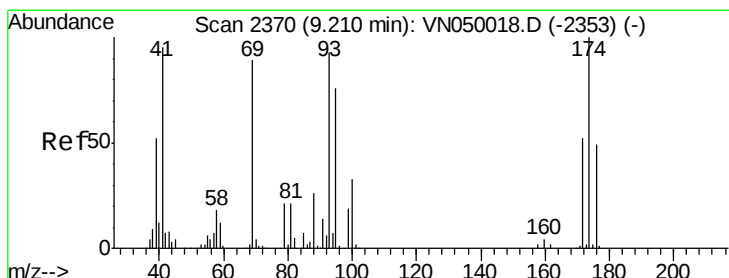
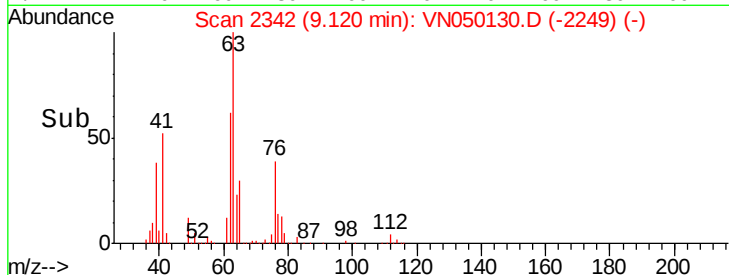
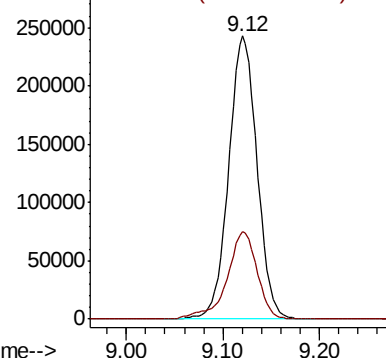
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 48.484 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

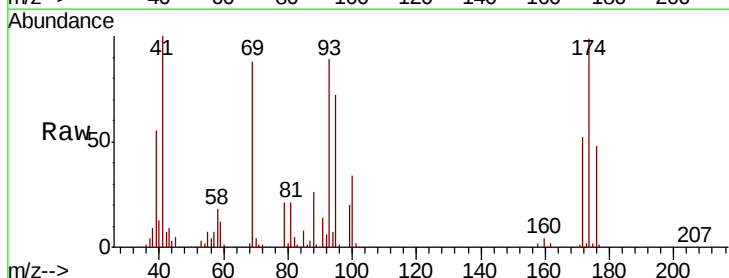
Tgt Ion: 93 Resp: 308738

Ion Ratio Lower Upper

93 100

95 82.6 66.6 100.0

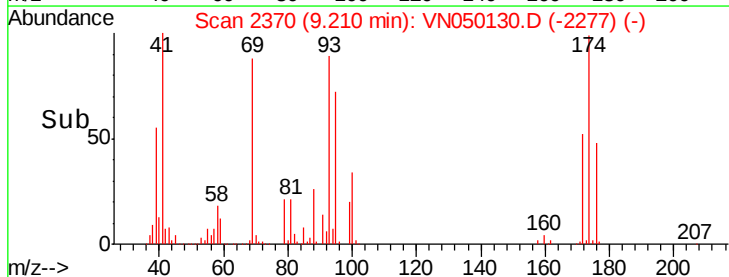
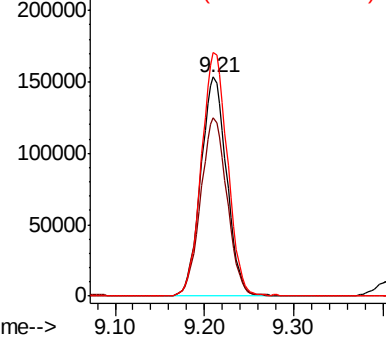
174 111.6 87.1 130.7

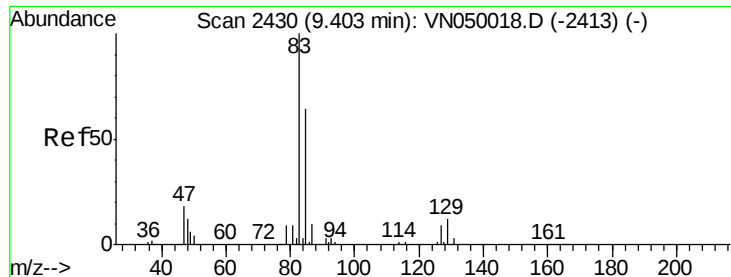


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





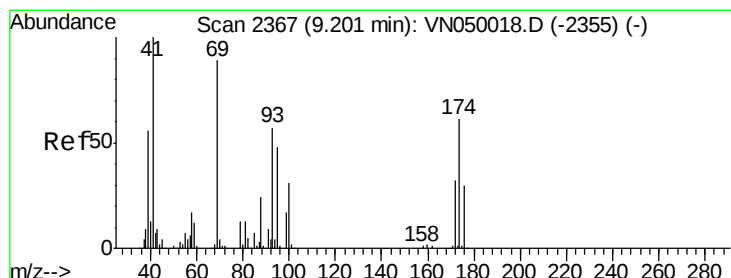
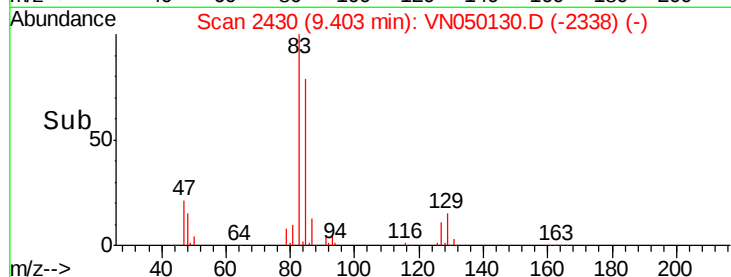
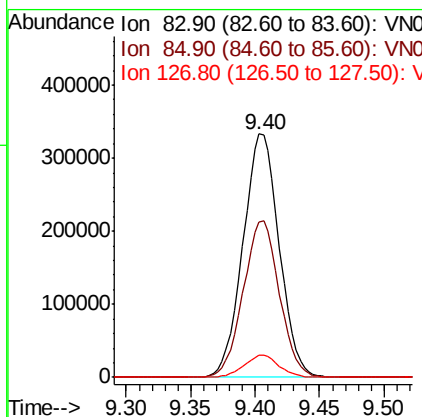
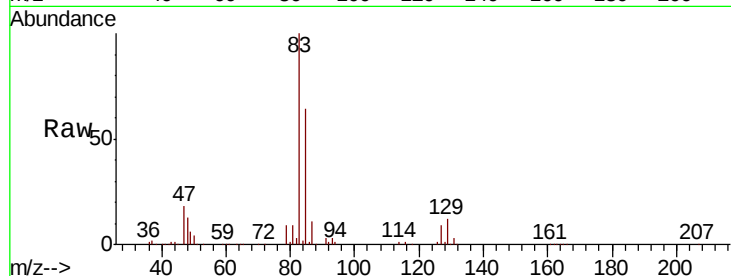
#47
Bromodichloromethane
Concen: 48.510 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.9	7.0	10.4

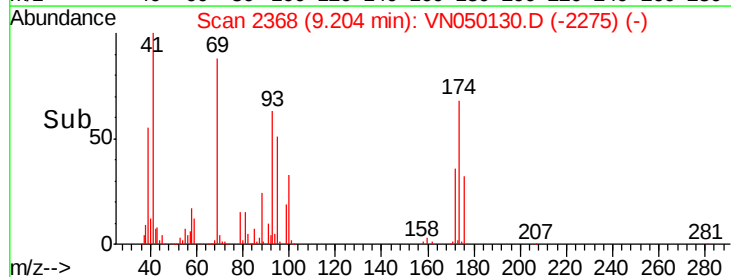
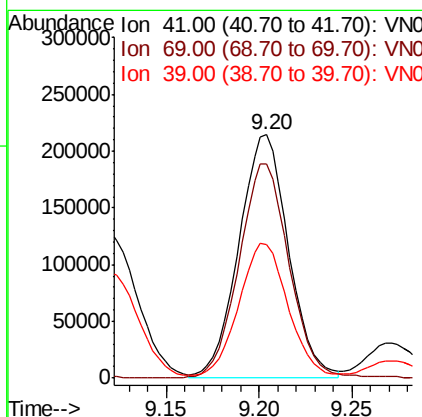
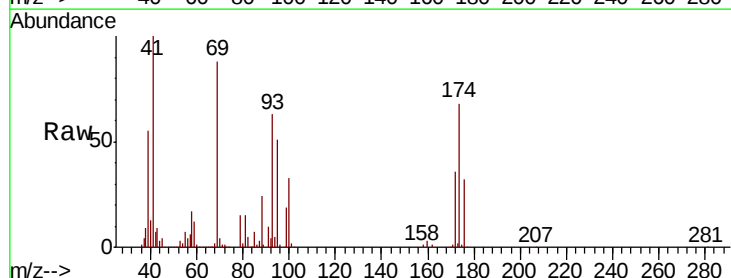
Manual Integrations
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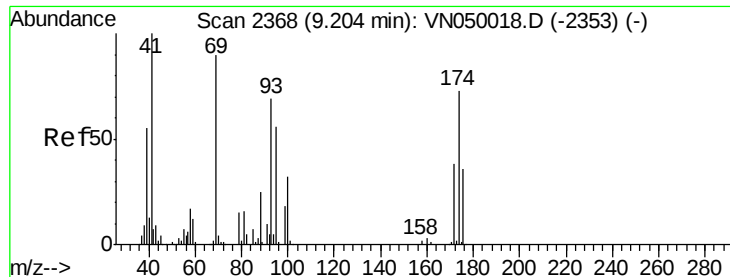
MMDadoda
7/30/2018 1:37:17 PM



#48
Methyl methacrylate
Concen: 51.972 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.0	70.6	105.8
39	55.6	43.9	65.9





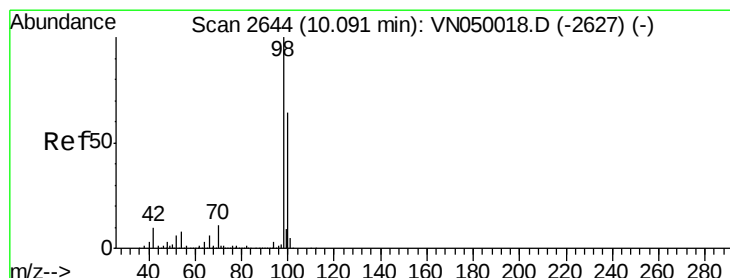
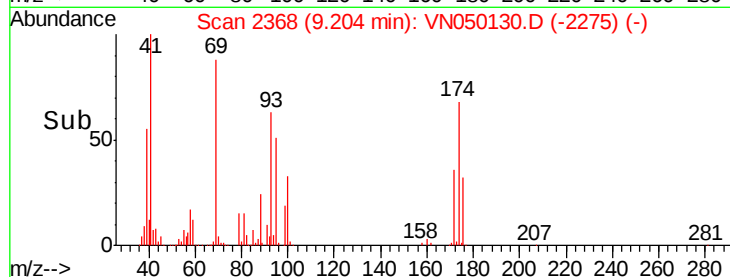
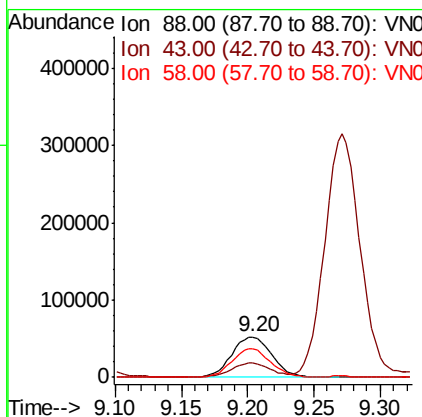
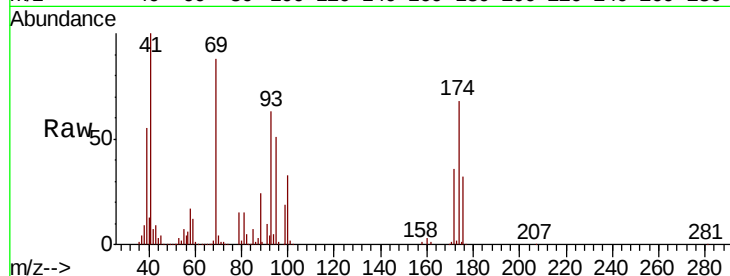
#49
1,4-Dioxane
Concen: 1060.423 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	26.9	40.3
58	67.9	57.3	85.9

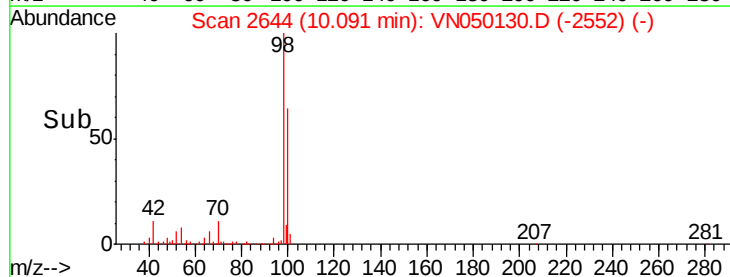
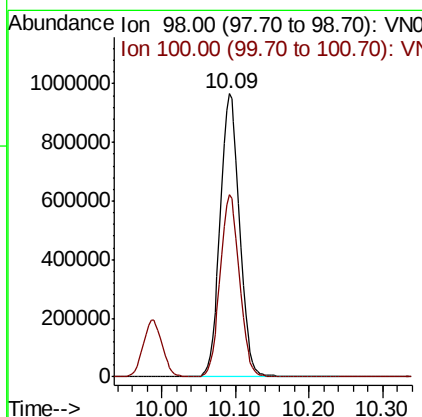
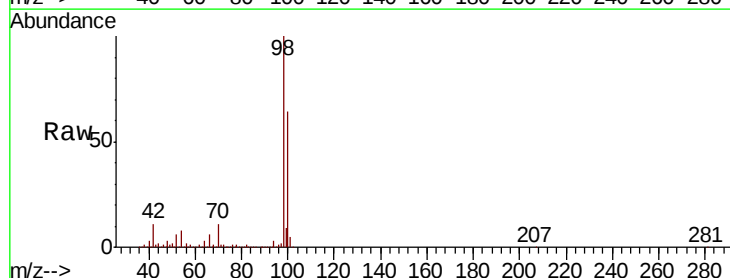
Manual Integrations
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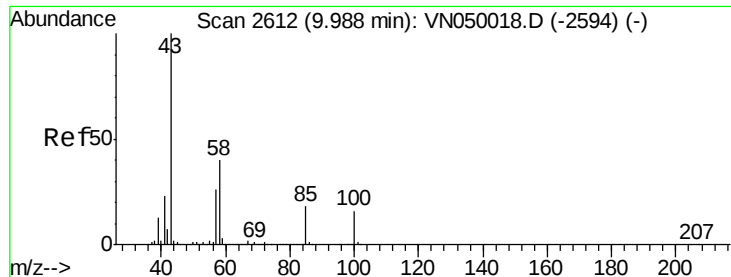
MMDadoda
7/30/2018 1:37:17 PM



#50
Toluene-d8
Concen: 52.178 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.7	76.1





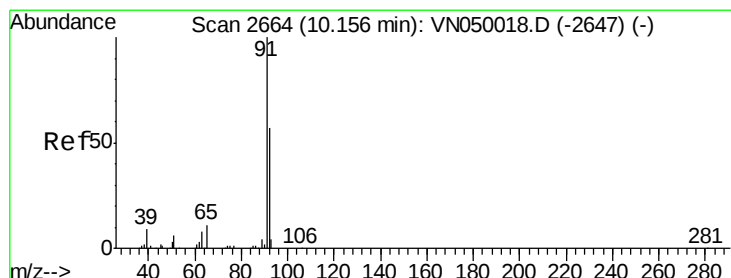
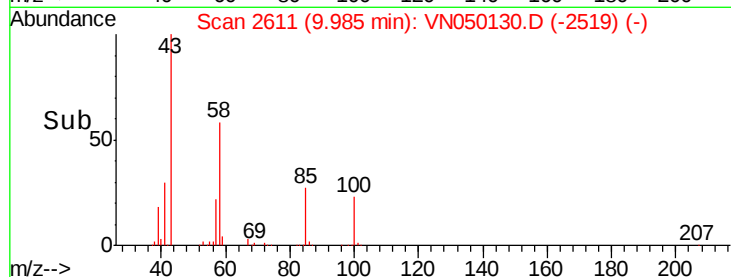
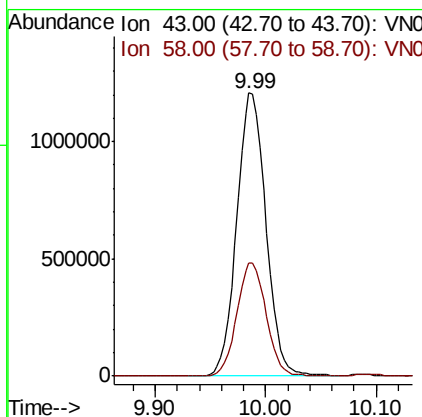
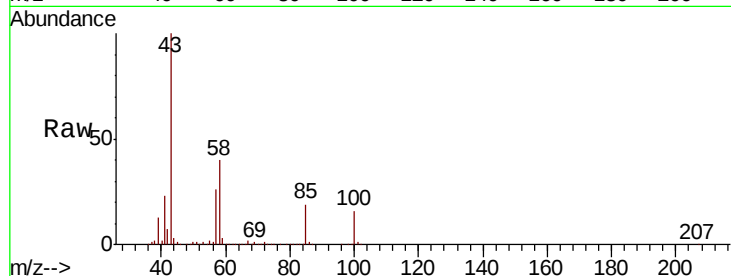
#51
4-Methyl-2-Pentanone
Concen: 253.475 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2210525
Ion Ratio Lower Upper
43 100
58 40.1 31.9 47.9

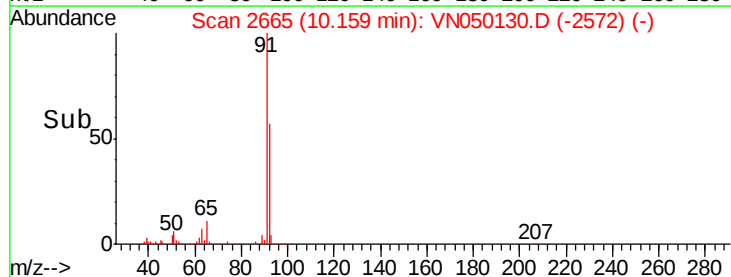
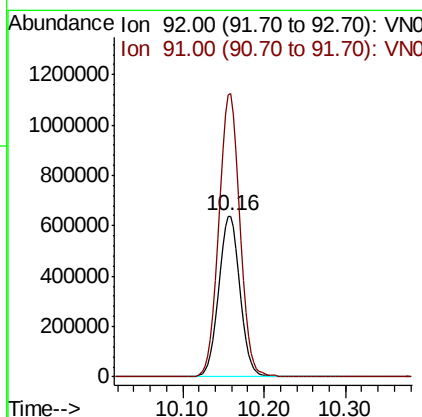
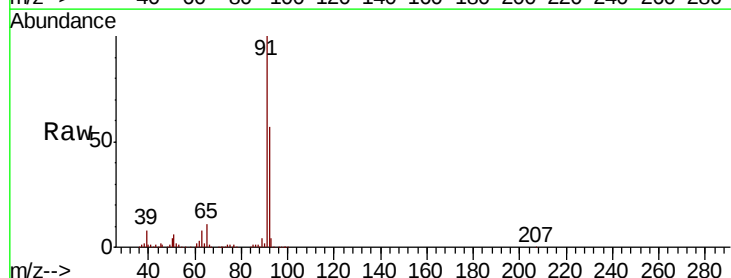
Manual Integrations
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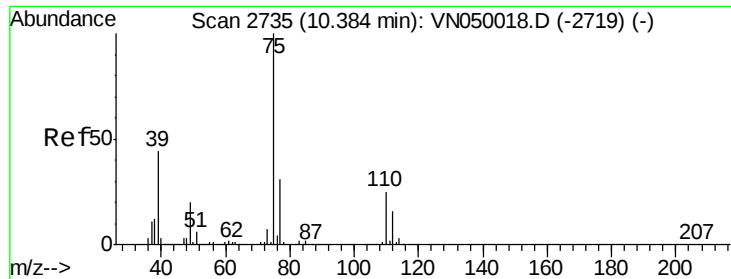
MMDadoda
7/30/2018 1:37:17 PM



#52
Toluene
Concen: 51.936 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Tgt Ion: 92 Resp: 1187014
Ion Ratio Lower Upper
92 100
91 174.4 140.3 210.5





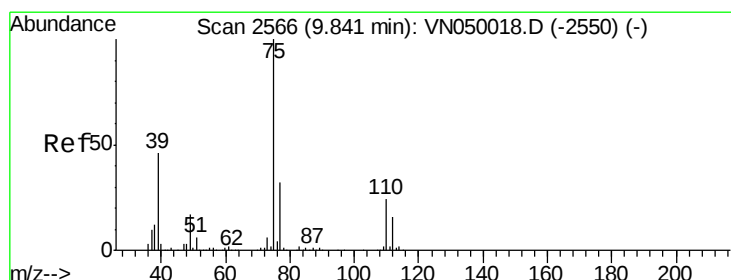
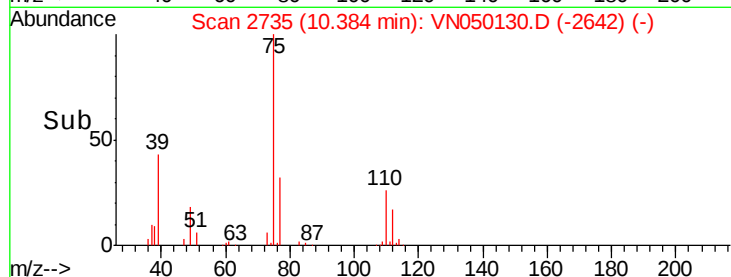
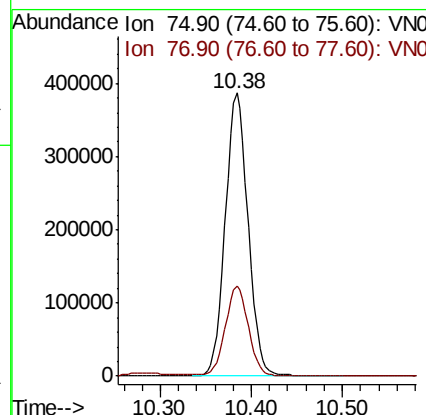
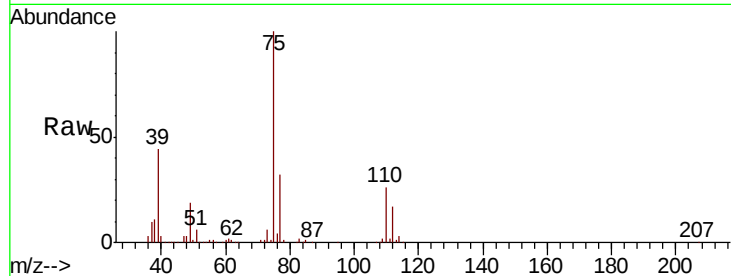
#53
t-1,3-Dichloropropene
Concen: 53.153 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.9	37.3

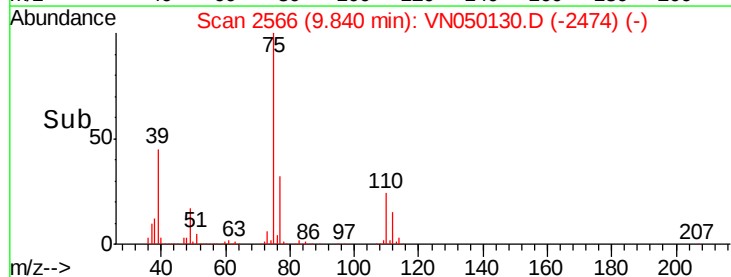
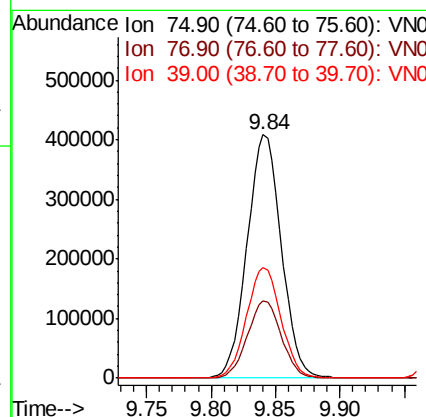
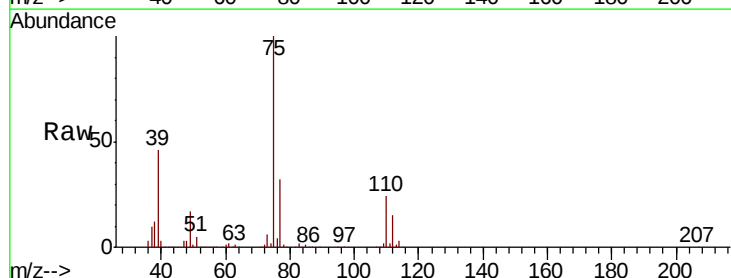
Manual Integrations
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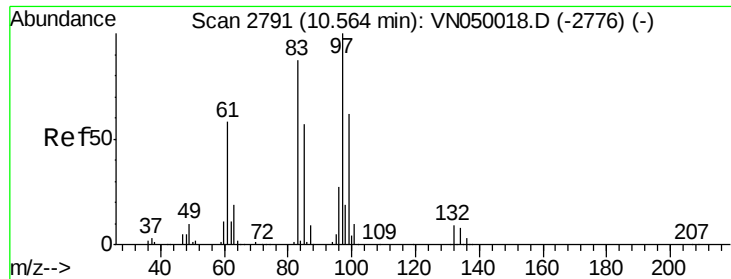
MMDadoda
7/30/2018 1:37:17 PM



#54
cis-1,3-Dichloropropene
Concen: 52.083 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3
39	45.5	36.6	55.0





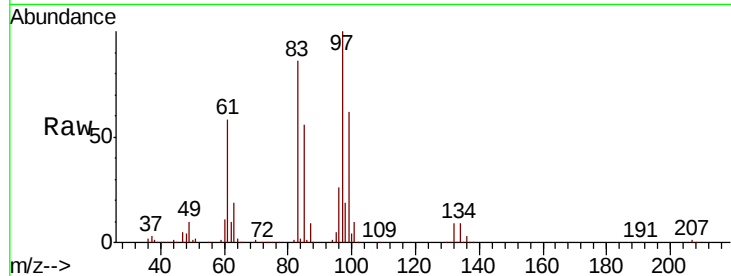
#55
 1,1,2-Trichloroethane
 Concen: 48.931 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050130.D
 Acq: 27 Jul 2018 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

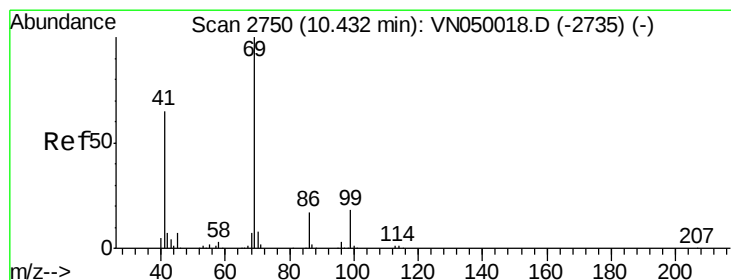
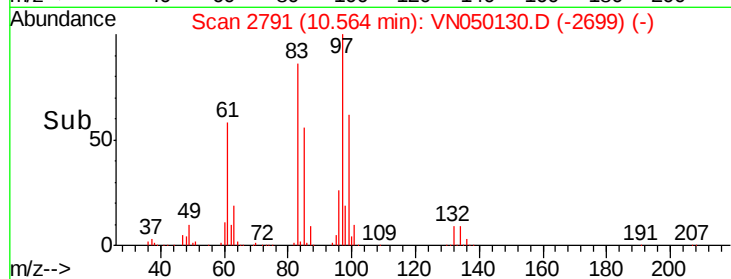
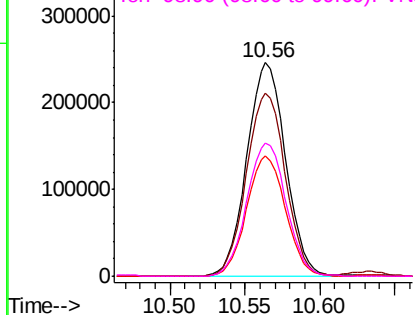
Tot Ion:	97	Resp:	443580
Ion	Ratio	Lower	Upper
97	100		
83	85.7	69.2	103.8
85	56.1	44.0	66.0
99	62.2	49.9	74.9

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 7/30/2018 1:37:17 PM

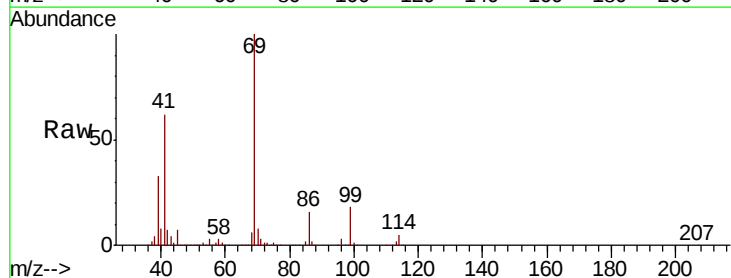


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

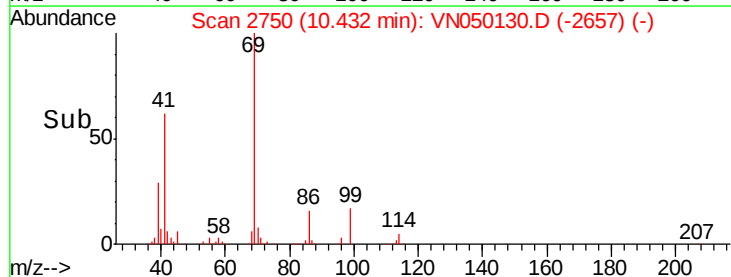
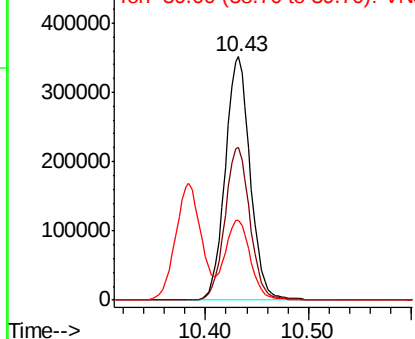


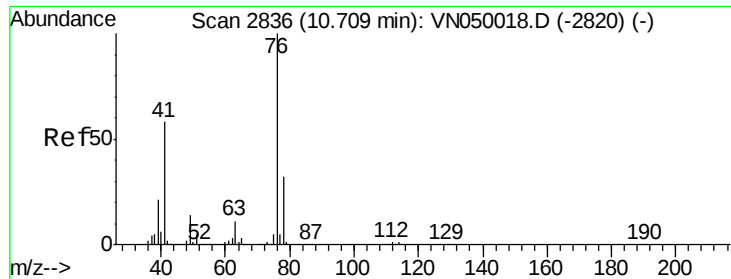
#56
 Ethyl methacrylate
 Concen: 48.329 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050130.D
 Acq: 27 Jul 2018 15:08

Tgt Ion:	69	Resp:	592619
Ion	Ratio	Lower	Upper
69	100		
41	62.5	51.0	76.4
39	33.0	26.6	40.0



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





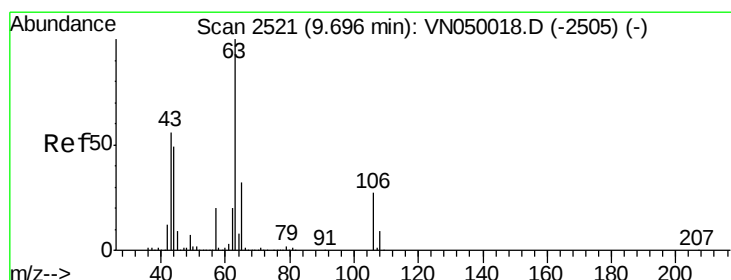
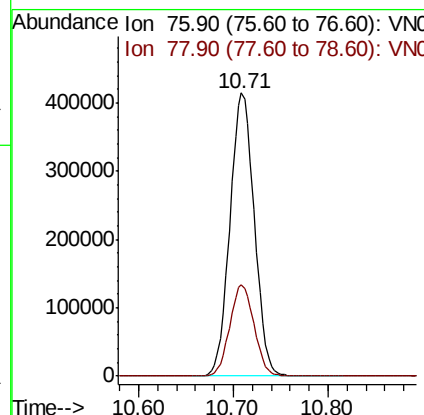
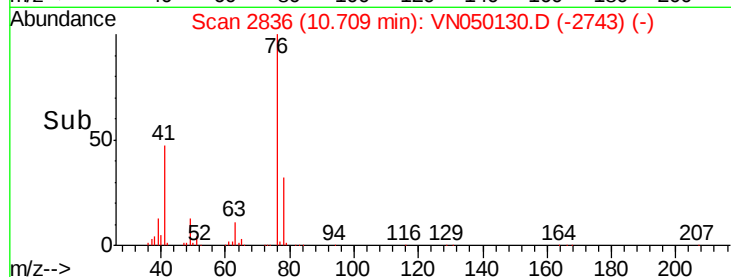
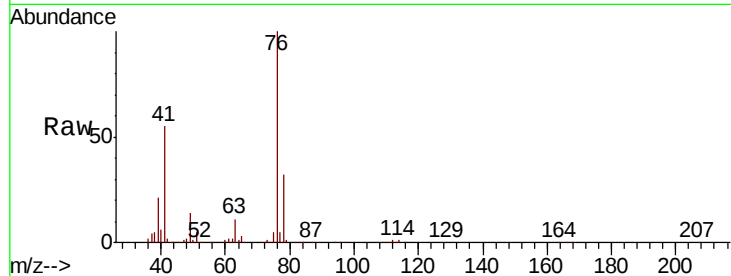
#57
 1,3-Dichloropropane
 Concen: 50.273 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050130.D
 Acq: 27 Jul 2018 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 742131
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

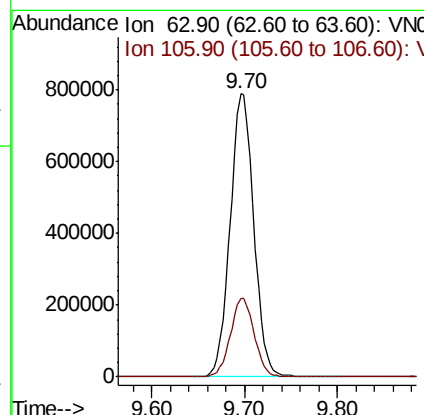
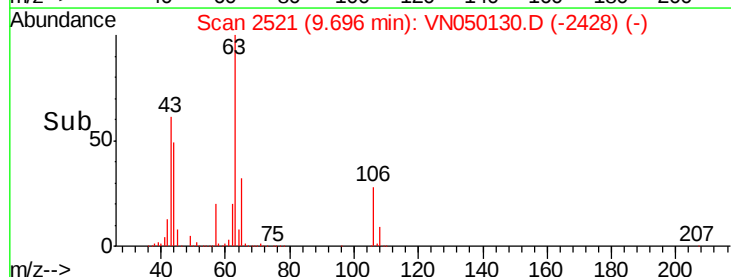
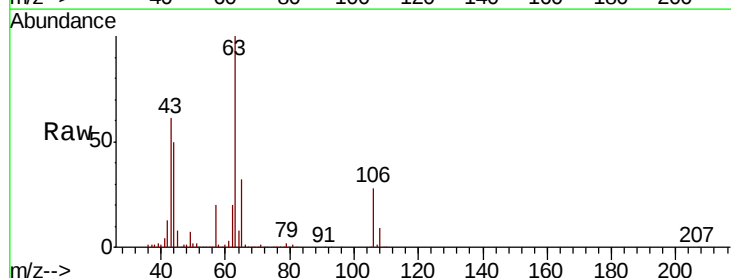
Manual Integrations
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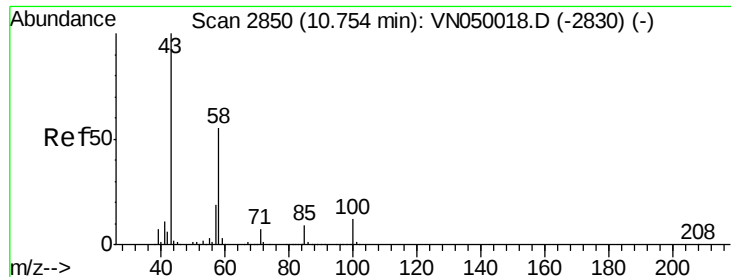
MMDadoda
 7/30/2018 1:37:17 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.504 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050130.D
 Acq: 27 Jul 2018 15:08

Tgt Ion: 63 Resp: 1395738
 Ion Ratio Lower Upper
 63 100
 106 27.8 21.7 32.5





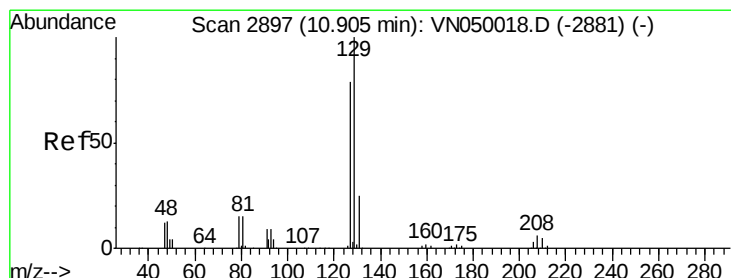
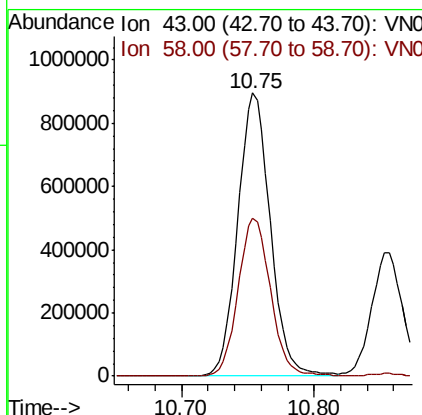
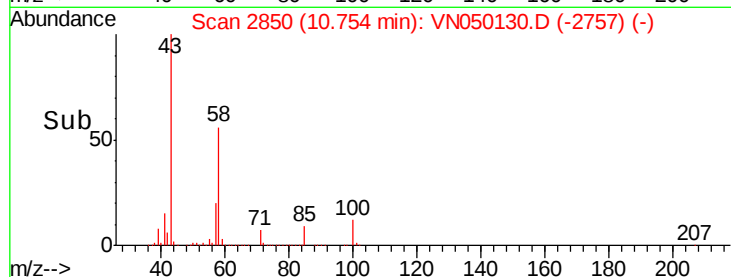
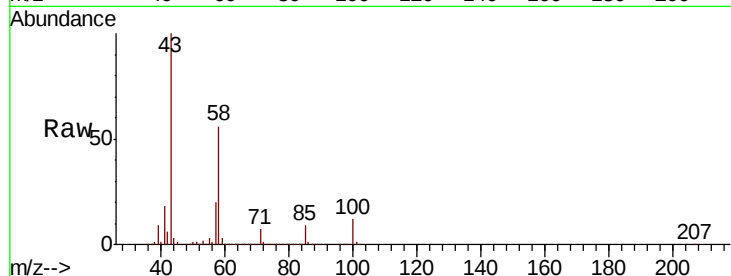
#59
2-Hexanone
Concen: 238.026 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1523701
Ion Ratio Lower Upper
43 100
58 55.9 27.6 82.7

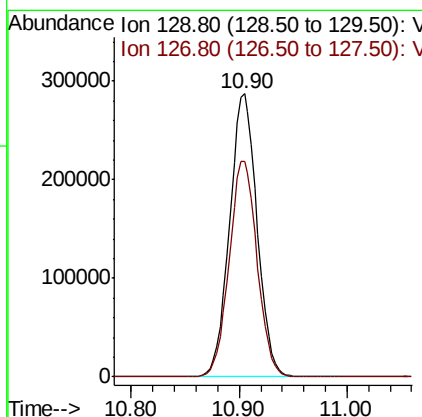
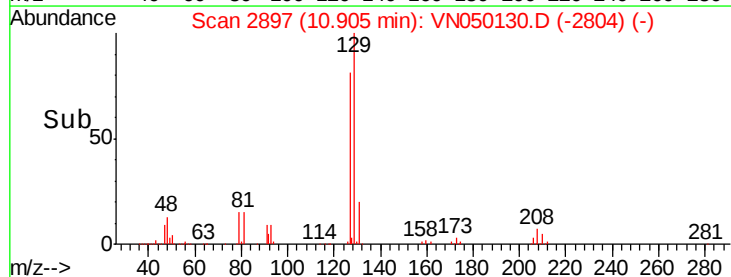
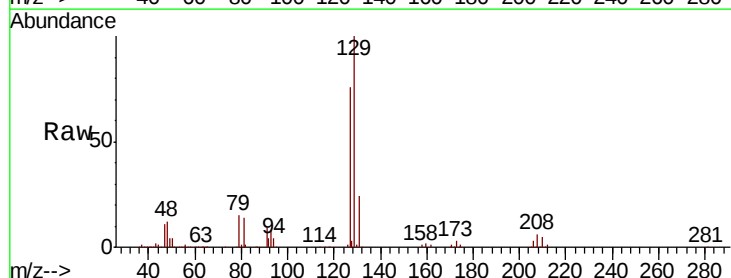
Manual Integrations
APPROVED

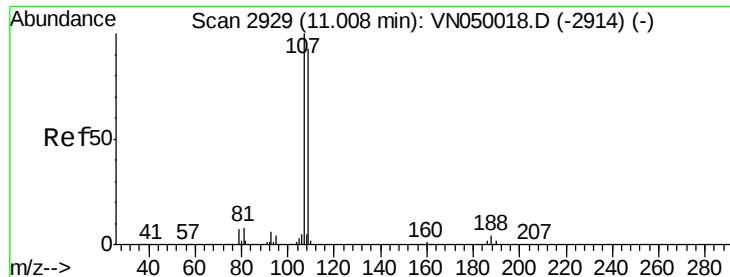
MMDadoda
7/30/2018 1:37:17 PM



#60
Dibromochloromethane
Concen: 50.816 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Tgt Ion: 129 Resp: 510035
Ion Ratio Lower Upper
129 100
127 77.4 38.0 113.9





#61

1,2-Dibromoethane

Concen: 49.892 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 448759

Ion Ratio Lower Upper

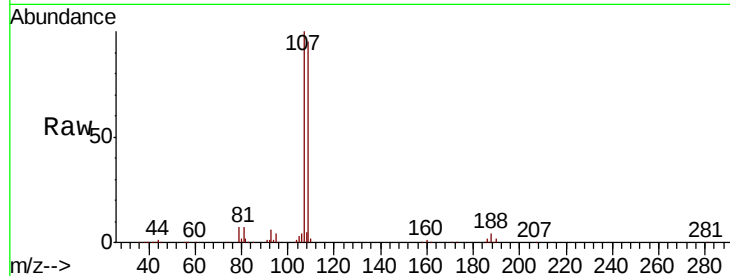
107 100

109 94.4 74.6 112.0

Manual Integrations
APPROVED

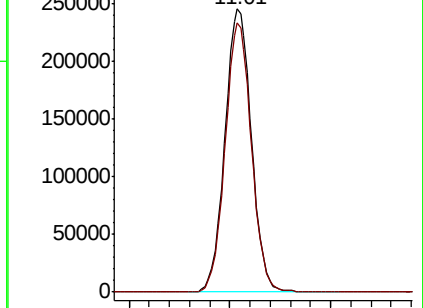
MMDadoda

7/30/2018 1:37:17 PM

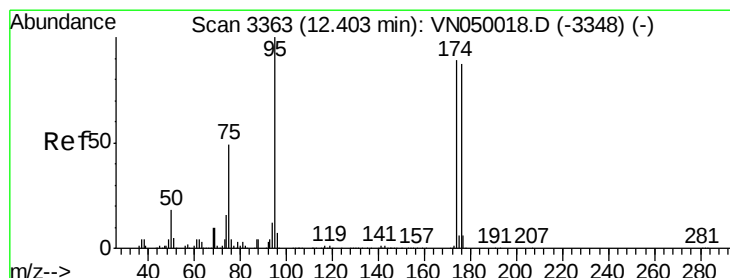
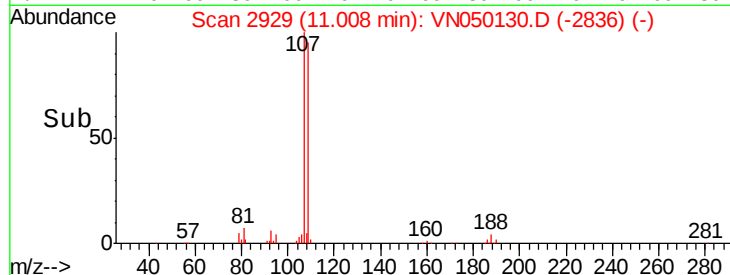


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 55.252 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

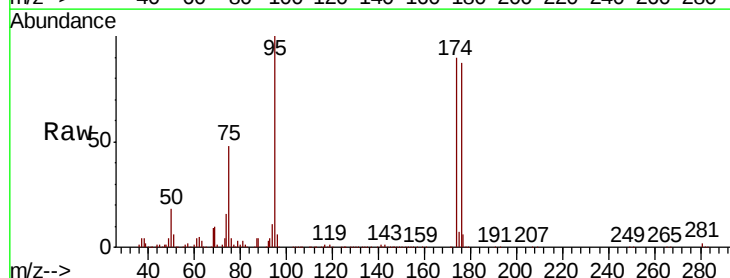
Tgt Ion: 95 Resp: 616750

Ion Ratio Lower Upper

95 100

174 90.2 0.0 178.2

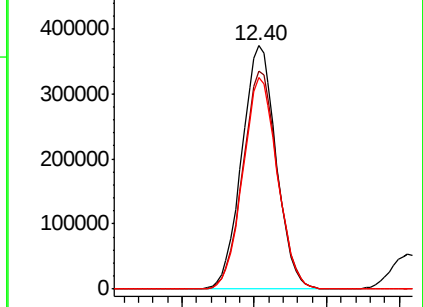
176 87.2 0.0 173.4



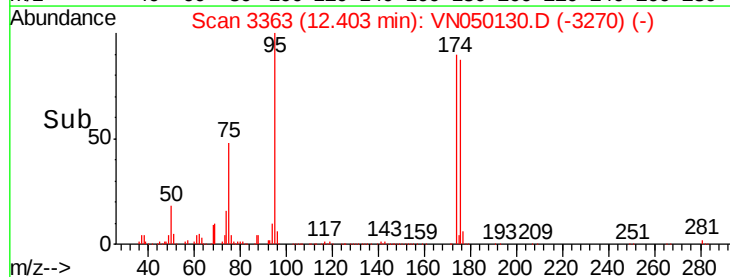
Abundance Ion 94.90 (94.60 to 95.60): V

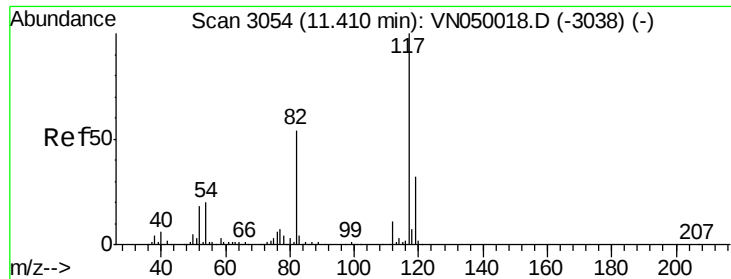
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





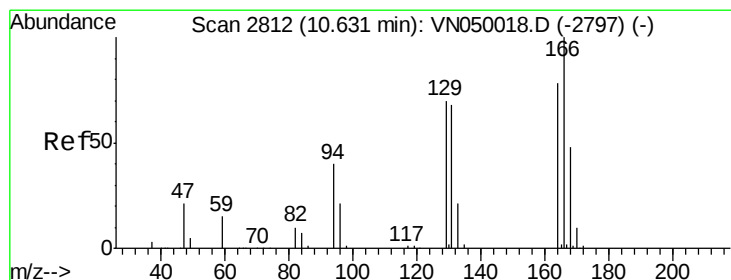
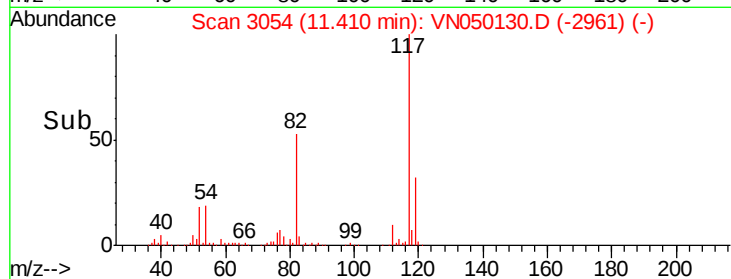
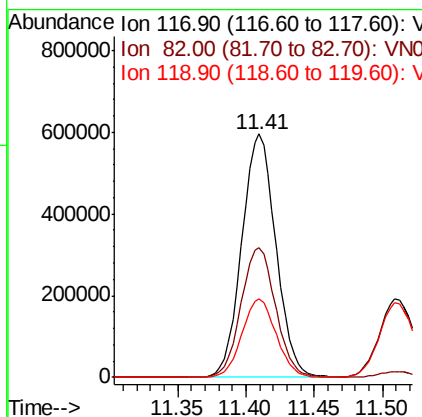
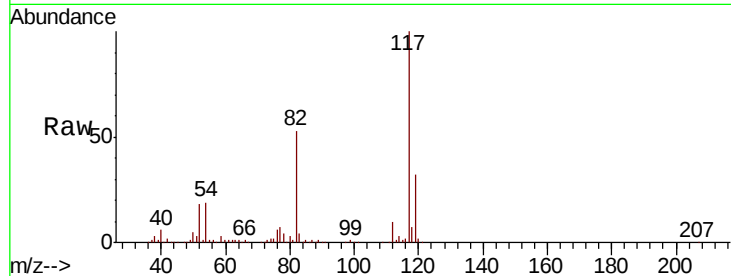
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.7	65.5
119	32.3	26.1	39.1

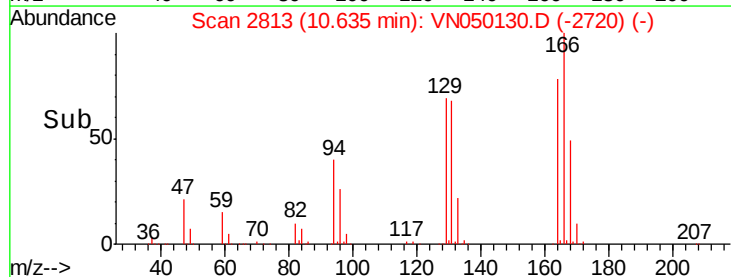
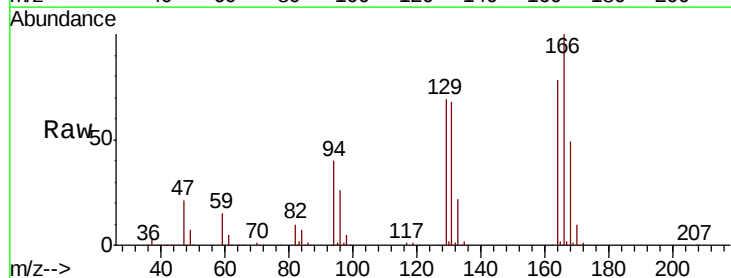
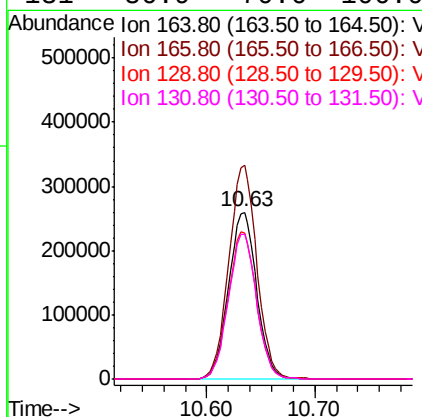
Manual Integrations
APPROVED

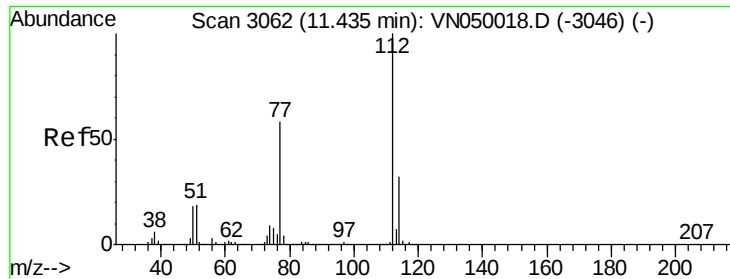
MMDadoda
7/30/2018 1:37:17 PM



#64
Tetrachloroethene
Concen: 47.464 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	102.1	153.1
129	87.7	73.2	109.8
131	86.9	70.6	106.0





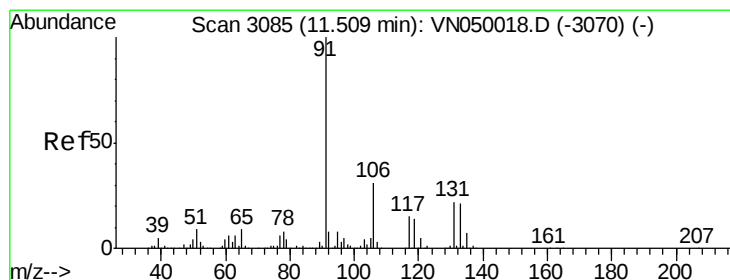
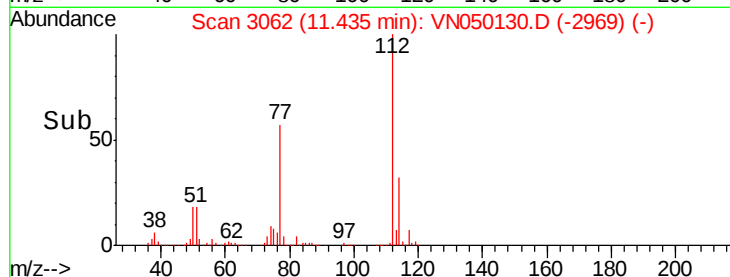
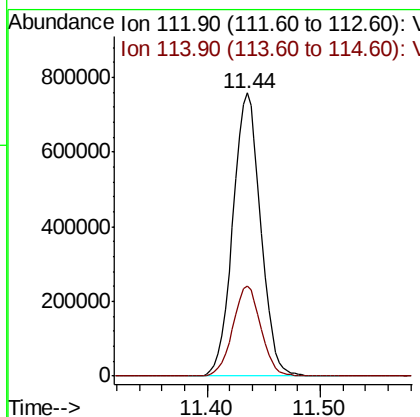
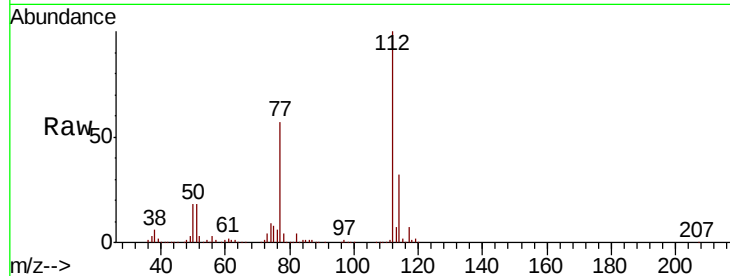
#65
Chlorobenzene
Concen: 49.610 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1295733
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

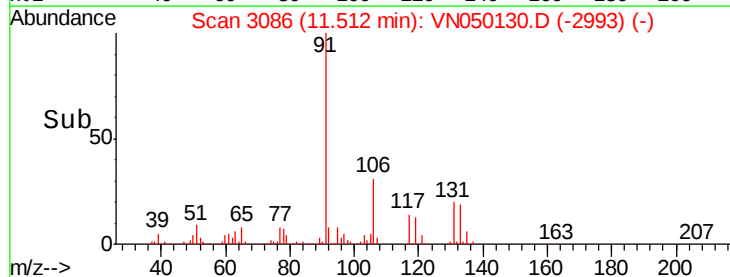
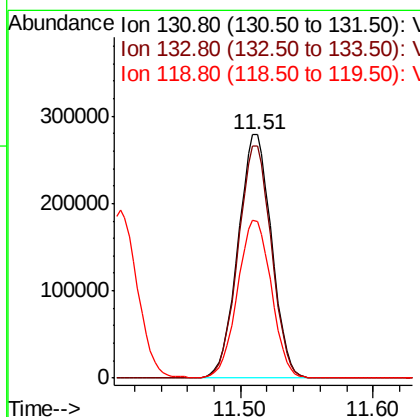
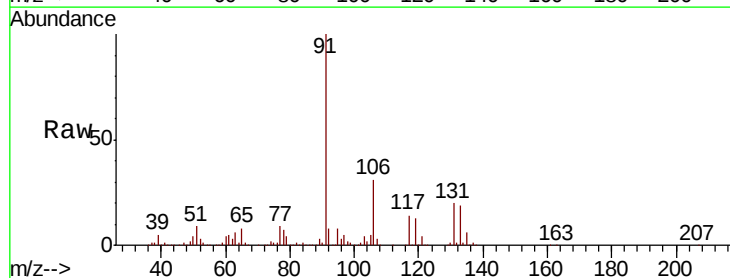
Manual Integrations
APPROVED

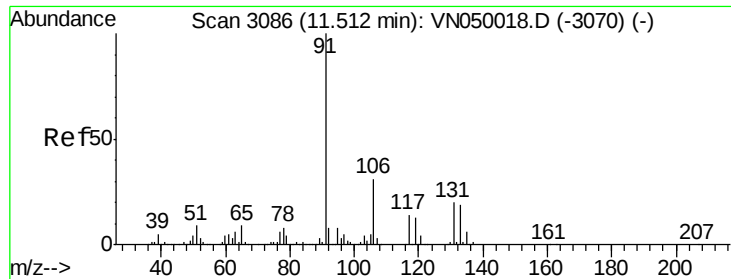
MMDadoda
7/30/2018 1:37:17 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.760 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Tgt Ion:131 Resp: 489332
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.9
119 65.5 32.9 98.7





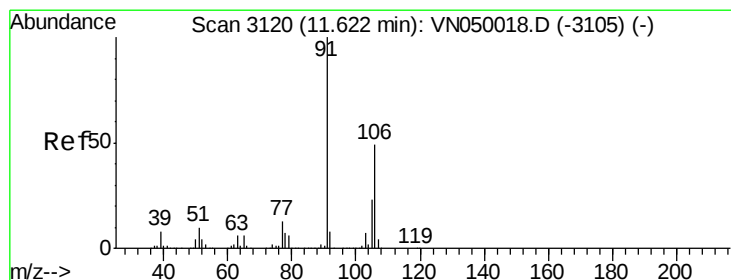
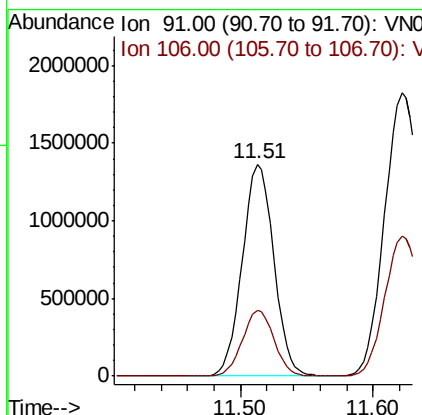
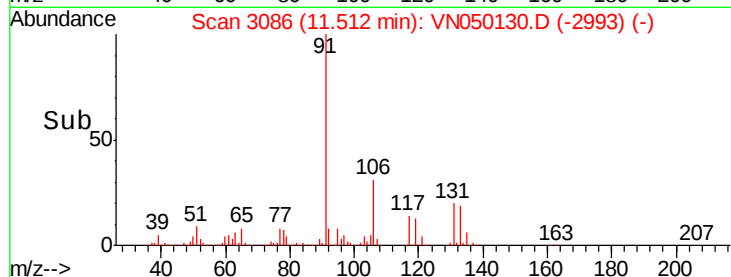
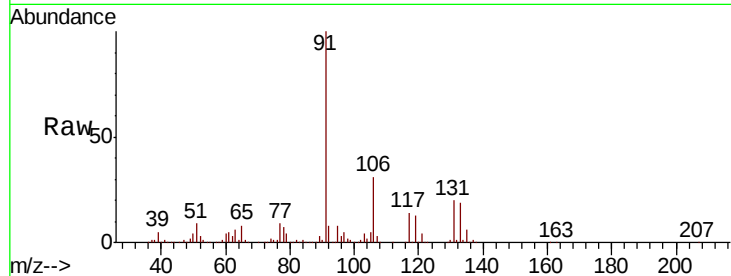
#67
Ethyl Benzene
Concen: 53.834 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2258628
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

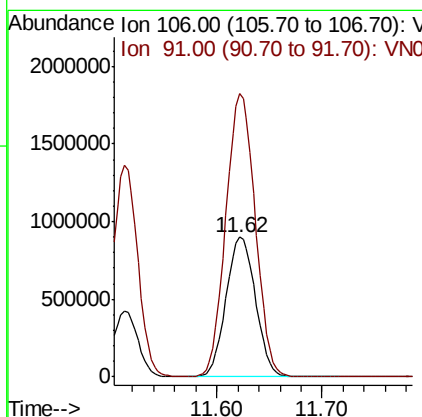
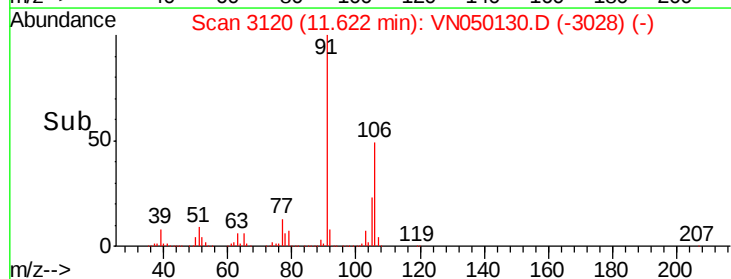
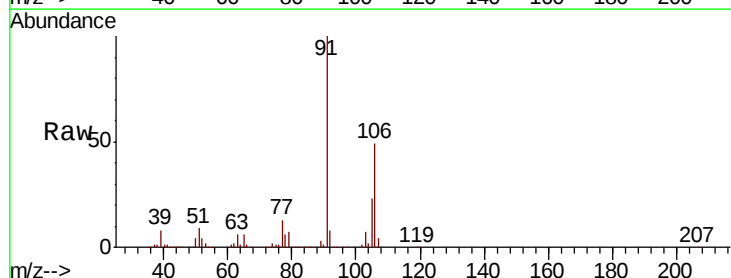
Manual Integrations
APPROVED

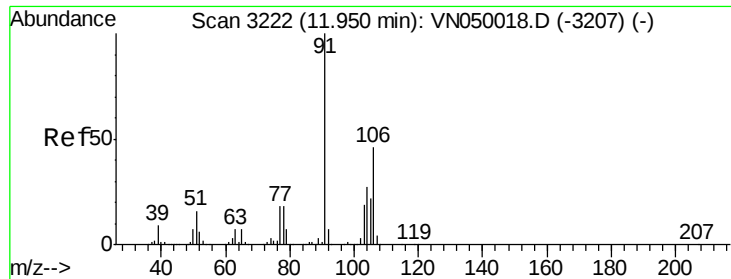
MMDadoda
7/30/2018 1:37:17 PM



#68
m/p-Xylenes
Concen: 109.397 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Tgt Ion: 106 Resp: 1736073
Ion Ratio Lower Upper
106 100
91 202.5 162.2 243.2





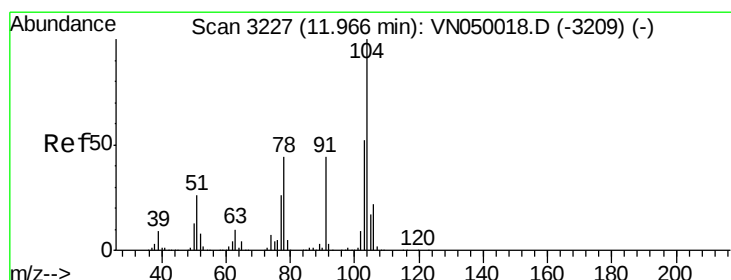
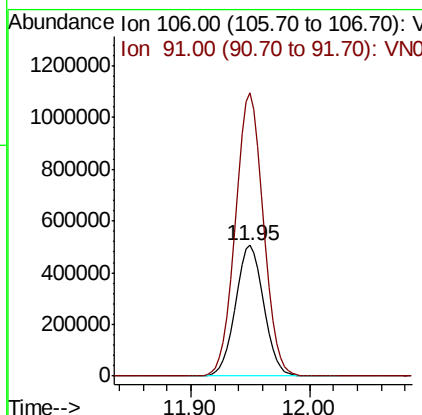
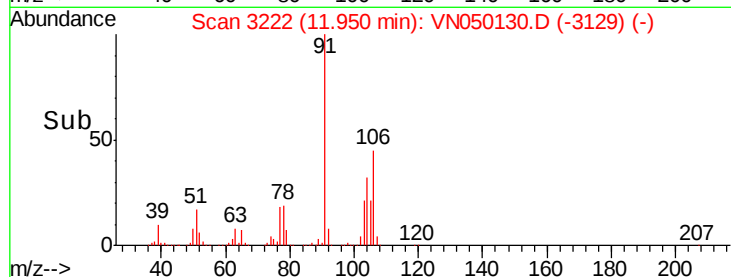
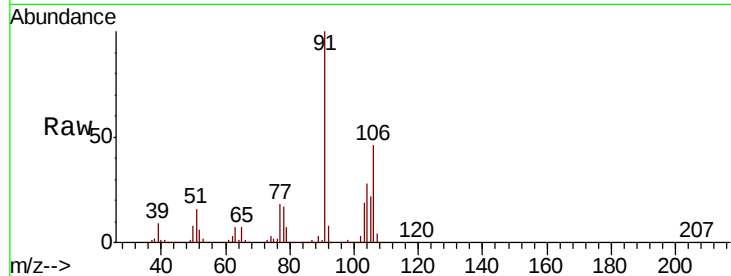
#69
o-Xylene
Concen: 55.055 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 832886
Ion Ratio Lower Upper
106 100
91 214.3 107.7 323.1

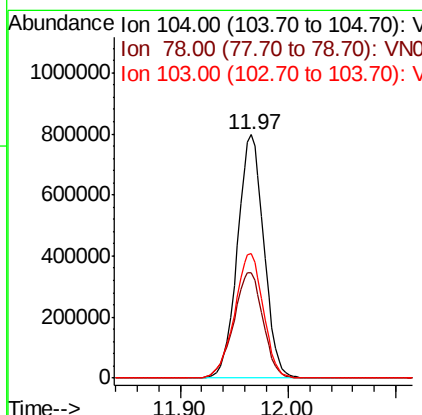
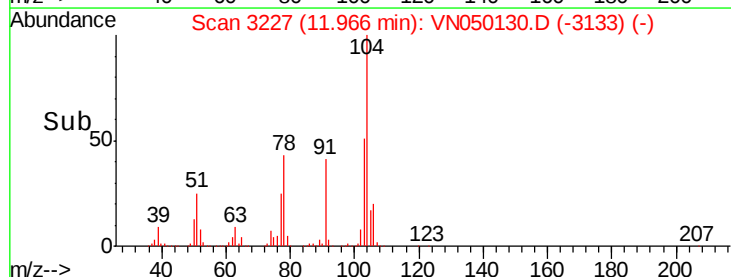
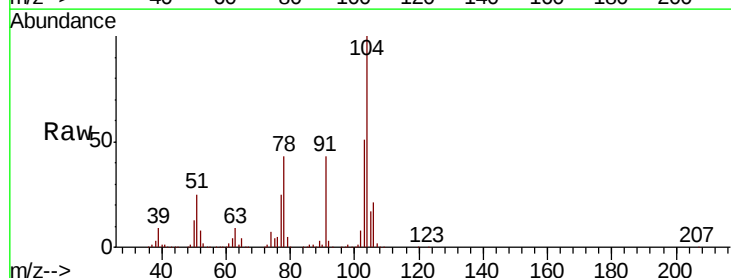
Manual Integrations
APPROVED

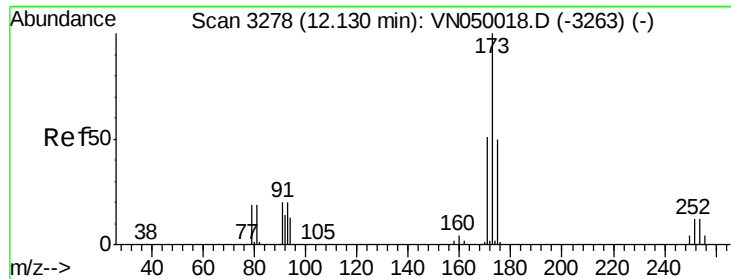
MMDadoda
7/30/2018 1:37:17 PM



#70
Styrene
Concen: 50.484 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Tgt Ion:104 Resp: 1358558
Ion Ratio Lower Upper
104 100
78 48.5 39.3 58.9
103 55.7 45.0 67.6





#71

Bromoform

Concen: 50.493 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 368606

Ion Ratio Lower Upper

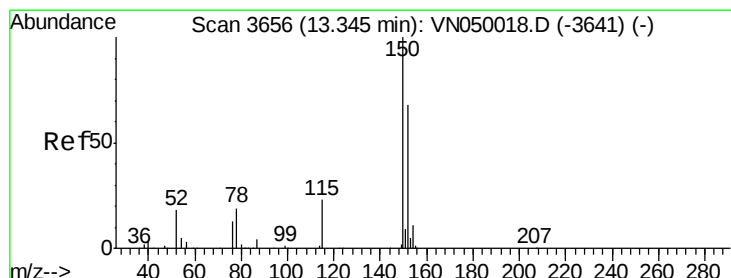
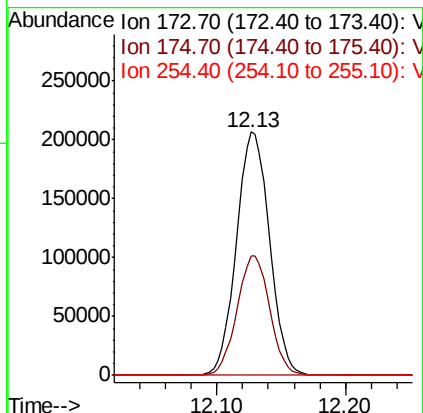
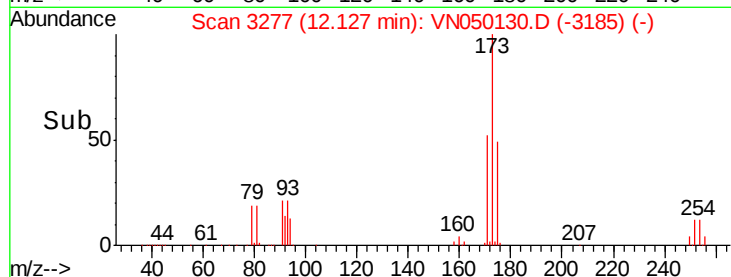
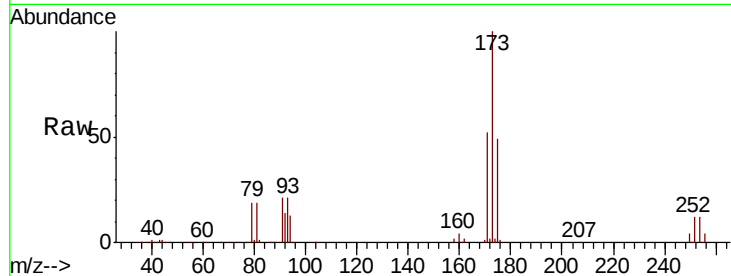
173 100

175 48.5 24.1 72.2

254 0.2 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda
7/30/2018 1:37:17 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

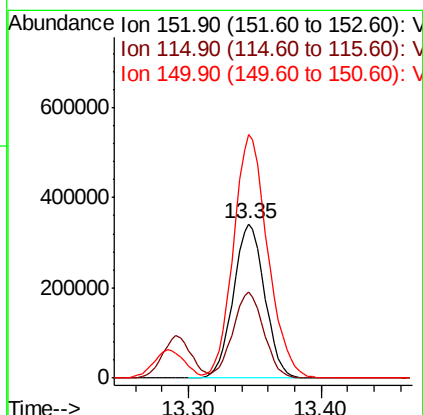
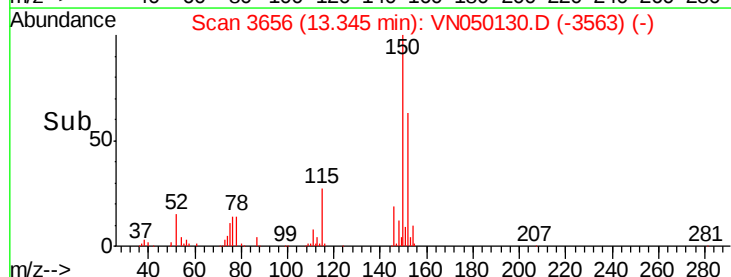
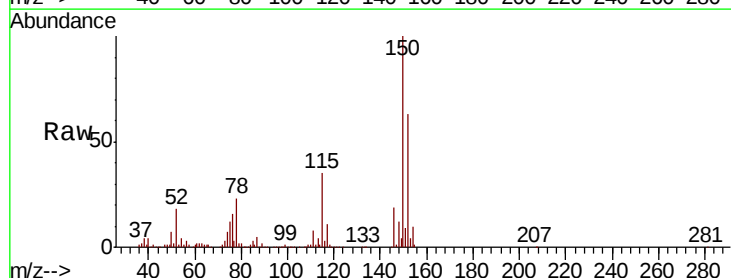
Tgt Ion:152 Resp: 558911

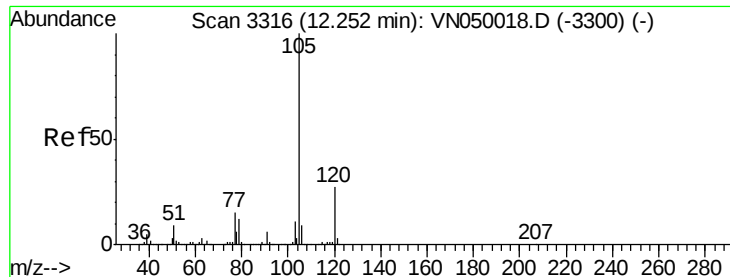
Ion Ratio Lower Upper

152 100

115 55.0 27.8 83.3

150 173.2 0.0 348.6





#73

Isopropylbenzene

Concen: 51.896 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2249501

Ion Ratio Lower Upper

105 100

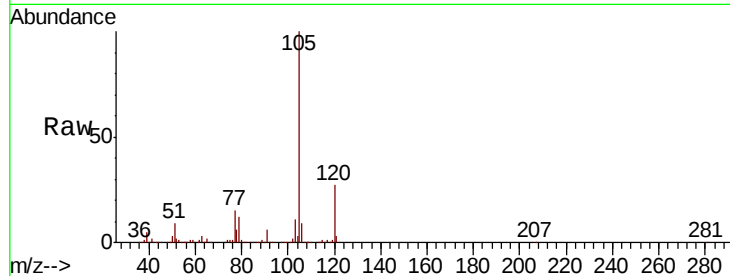
120 26.6 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

7/30/2018 1:37:17 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

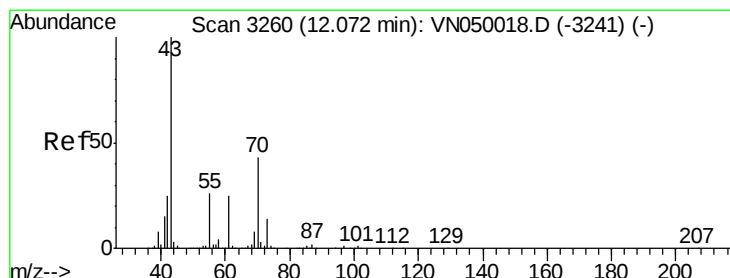
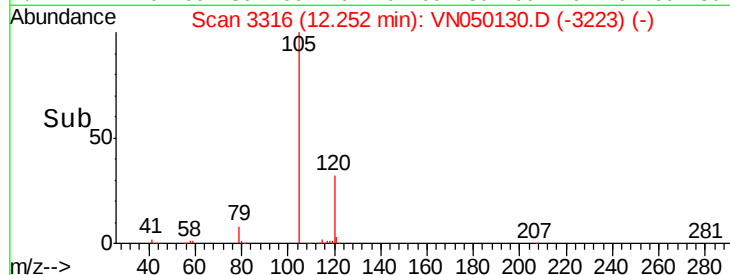
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 49.669 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Tgt Ion: 43 Resp: 658013

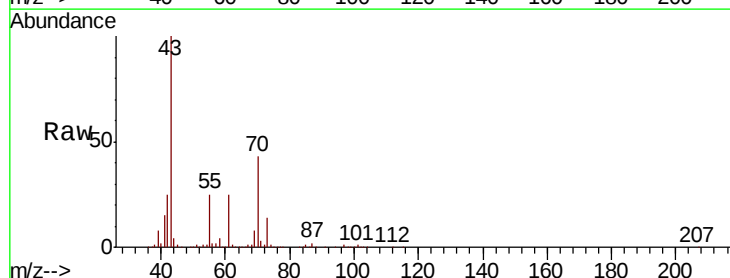
Ion Ratio Lower Upper

43 100

70 43.2 34.4 51.6

55 25.3 20.8 31.2

61 25.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

600000

500000

400000

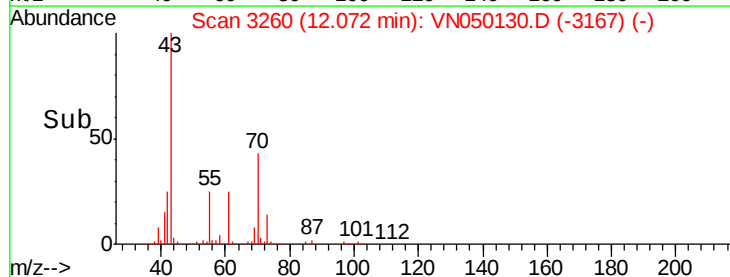
300000

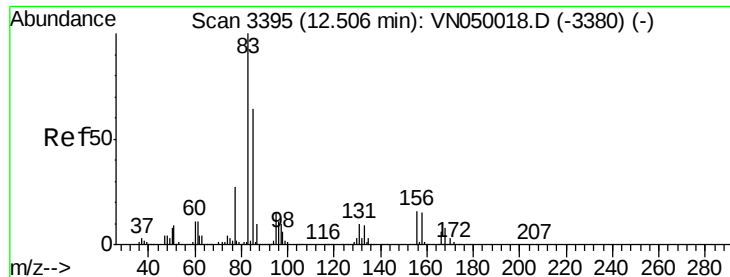
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.303 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 582249

Ion Ratio Lower Upper

83 100

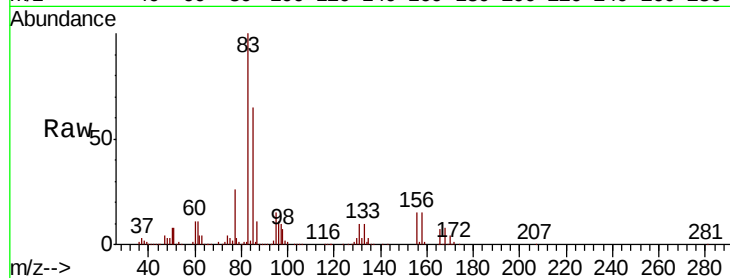
131 10.5 5.1 15.3

85 64.7 32.3 96.8

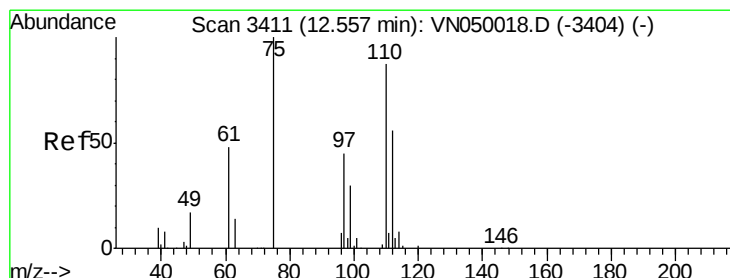
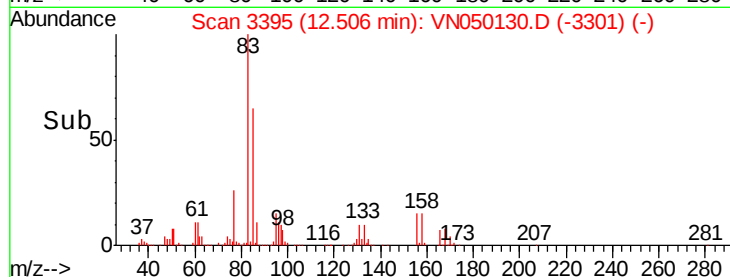
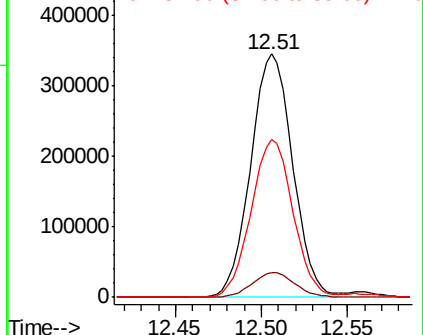
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 44.597 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050130.D

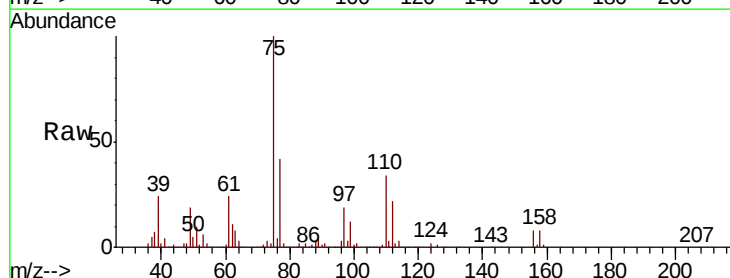
Acq: 27 Jul 2018 15:08

Tgt Ion: 75 Resp: 463232

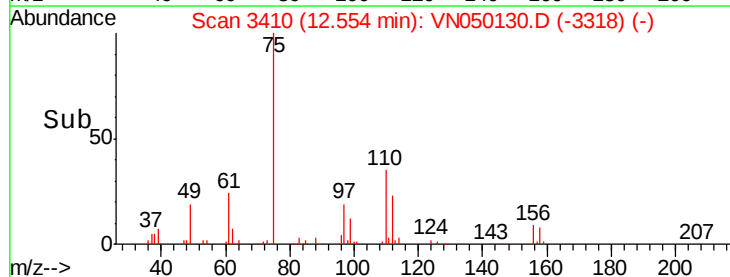
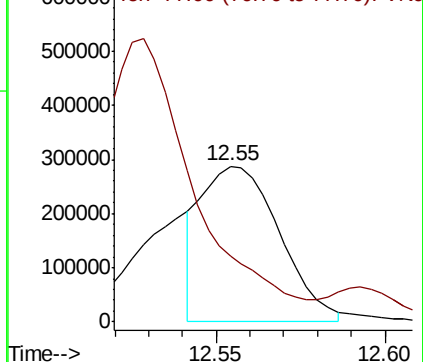
Ion Ratio Lower Upper

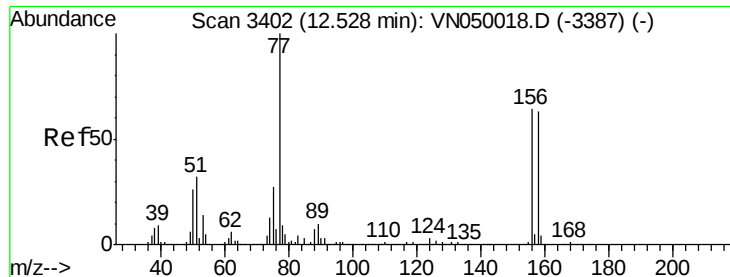
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 47.993 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

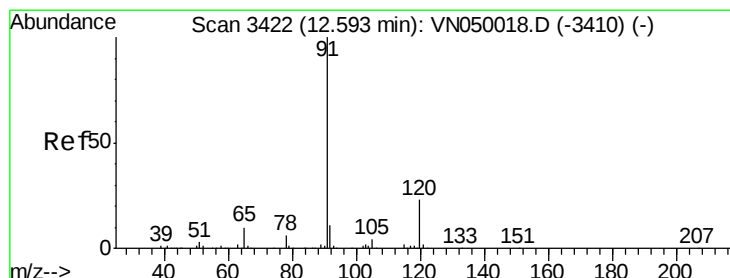
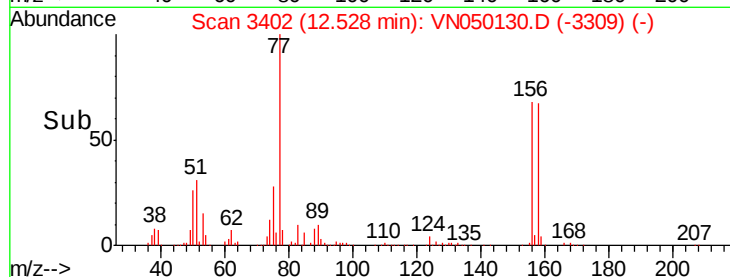
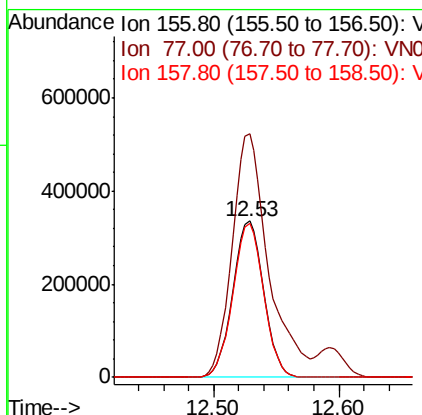
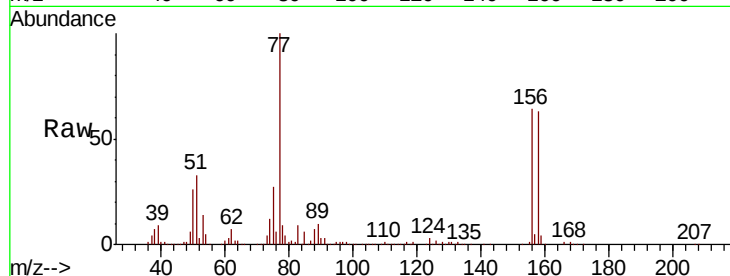
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	182.1	91.7	275.1
158	97.8	48.9	146.6

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#78

n-propylbenzene

Concen: 53.191 ug/l

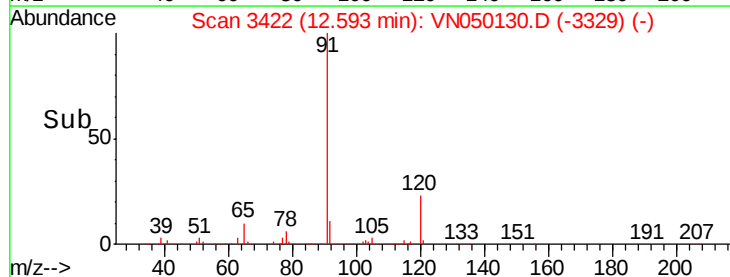
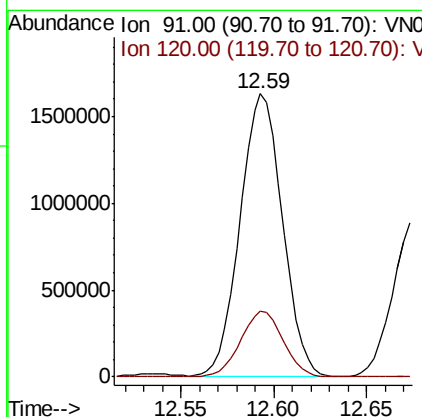
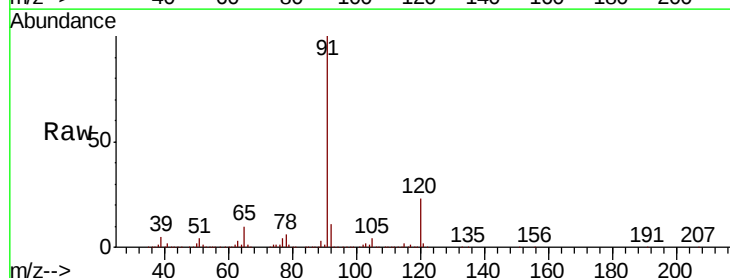
RT: 12.59 min Scan# 3422

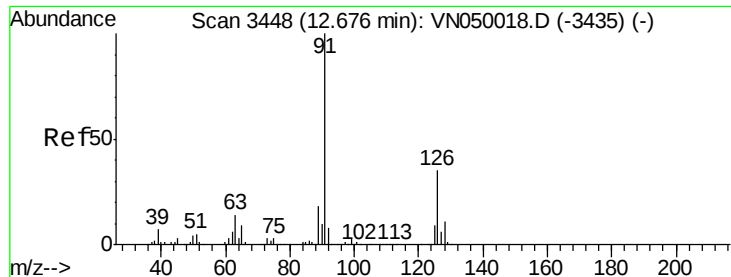
Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.6	34.7





#79

2-Chlorotoluene

Concen: 50.995 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1531370

Ion Ratio Lower Upper

91 100

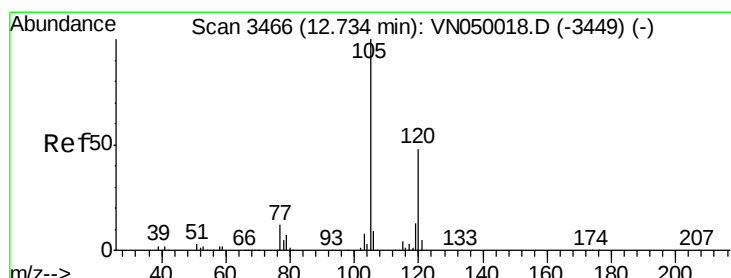
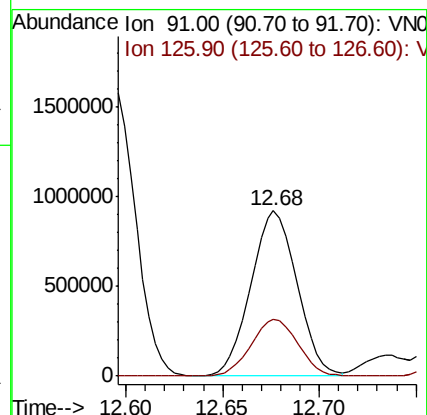
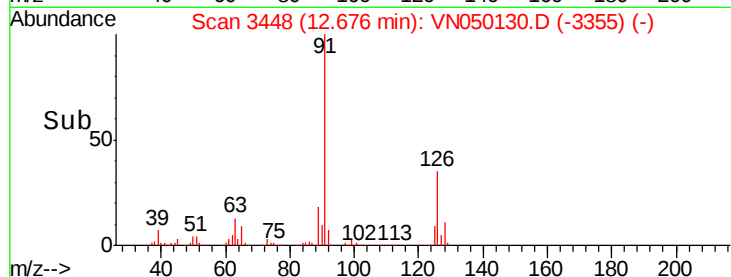
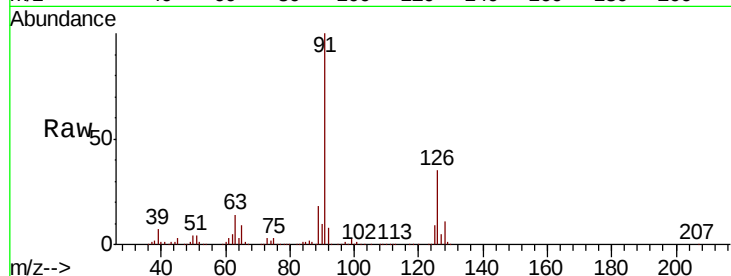
126 34.9 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 54.348 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050130.D

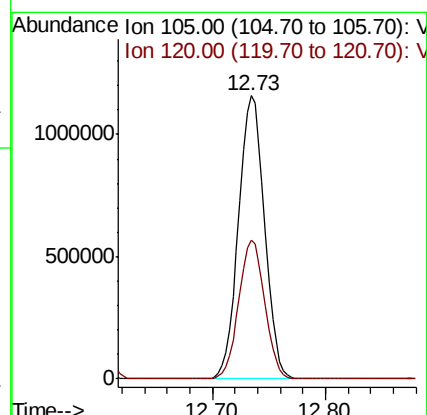
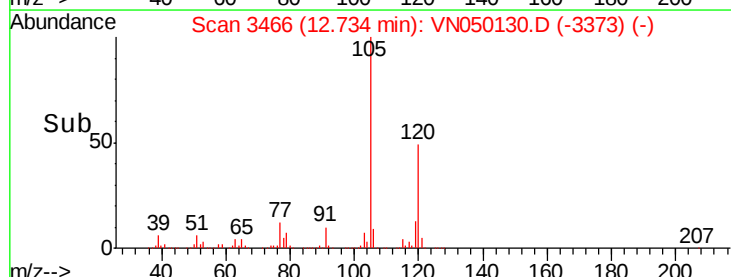
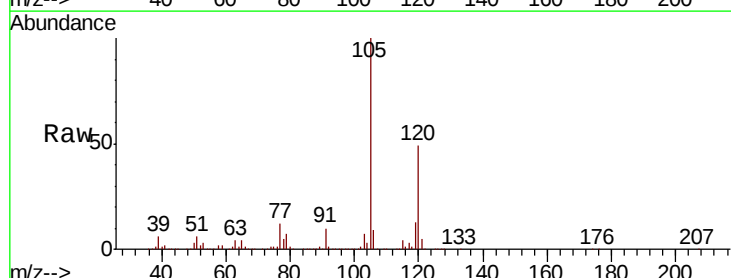
Acq: 27 Jul 2018 15:08

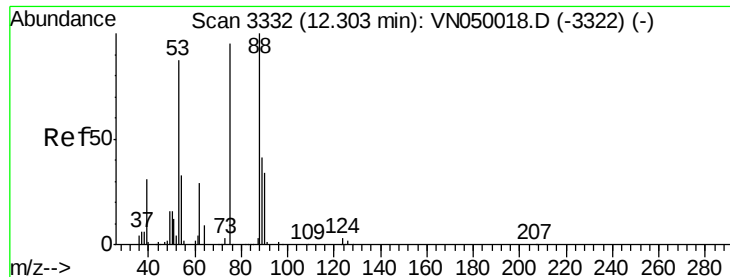
Tgt Ion: 105 Resp: 1853061

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.855 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 163262

Ion Ratio Lower Upper

75 100

53 92.2 73.5 110.3

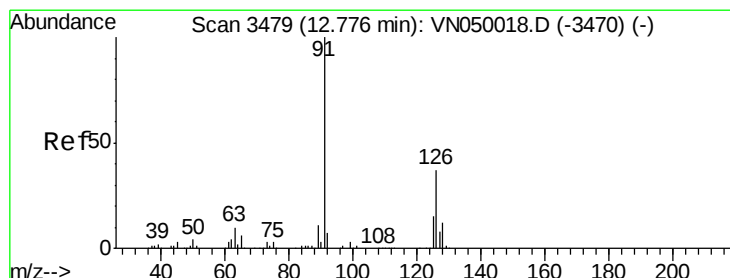
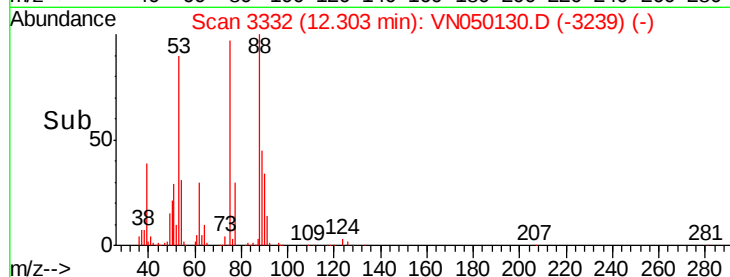
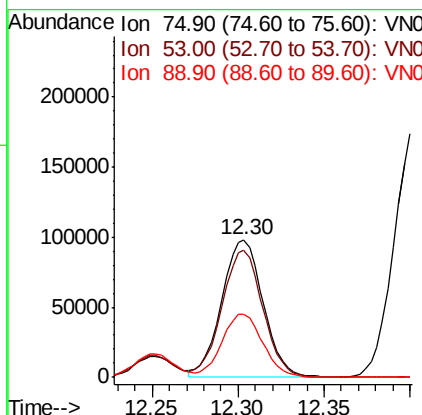
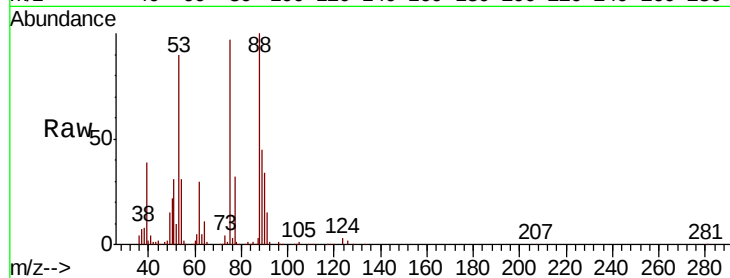
89 45.7 36.0 54.0

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#82

4-Chlorotoluene

Concen: 51.804 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050130.D

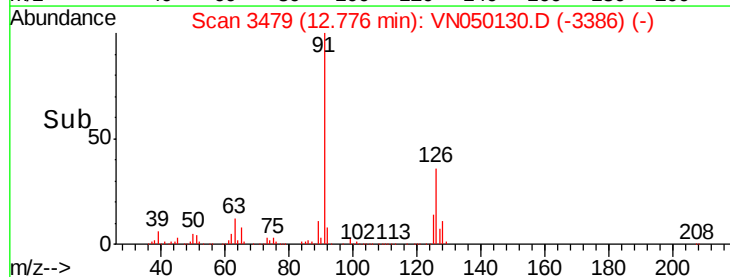
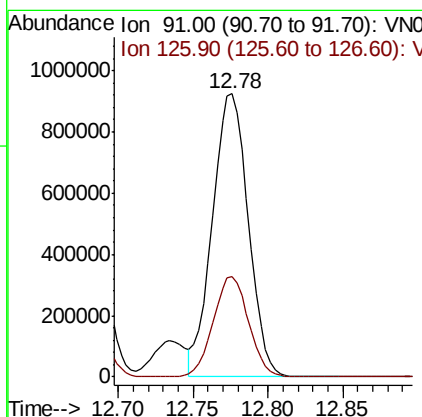
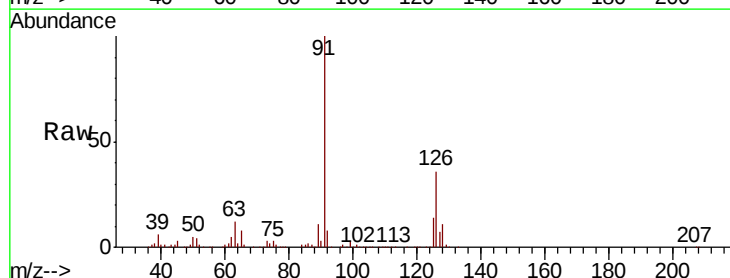
Acq: 27 Jul 2018 15:08

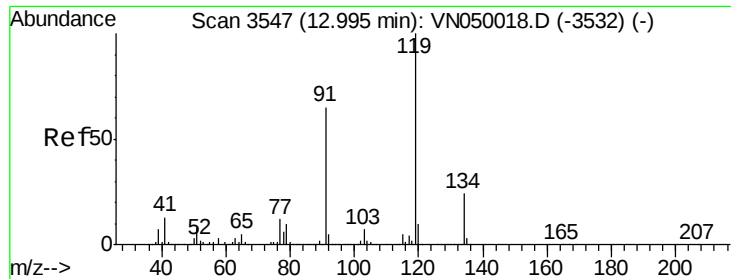
Tgt Ion: 91 Resp: 1540551

Ion Ratio Lower Upper

91 100

126 35.0 17.0 51.0





#83

tert-Butylbenzene

Concen: 53.888 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1603444

Ion Ratio Lower Upper

119 100

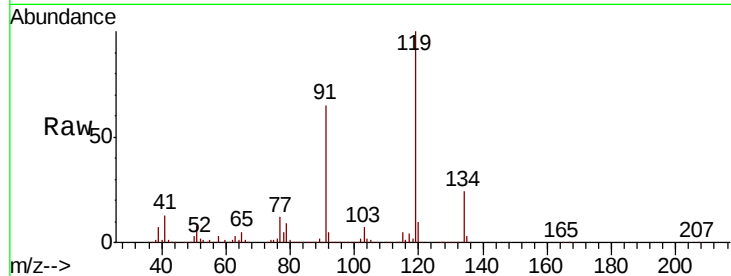
91 63.6 32.1 96.3

134 26.2 13.2 39.5

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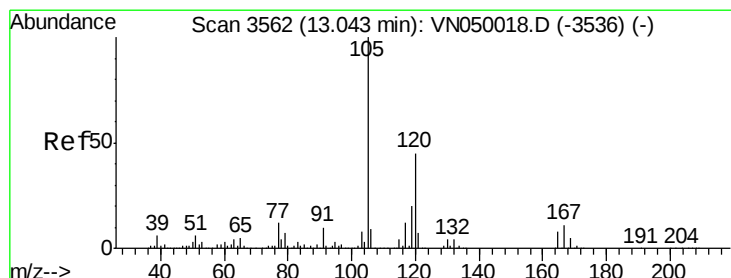
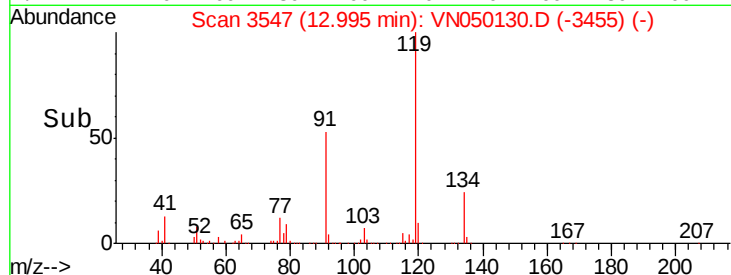
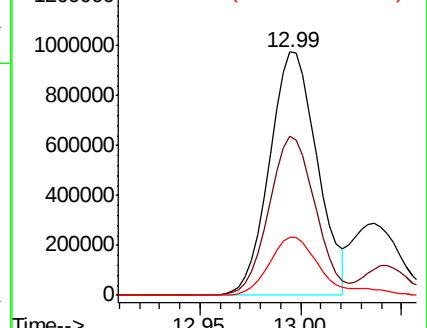
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.951 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN050130.D

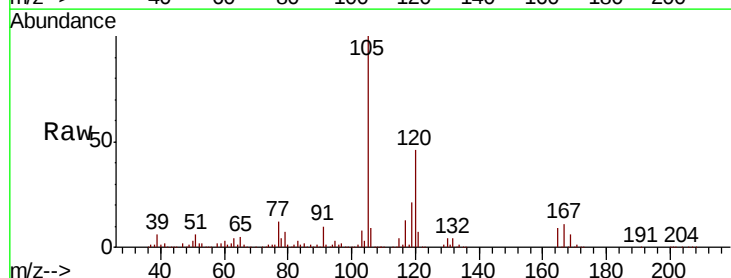
Acq: 27 Jul 2018 15:08

Tgt Ion:105 Resp: 1888482

Ion Ratio Lower Upper

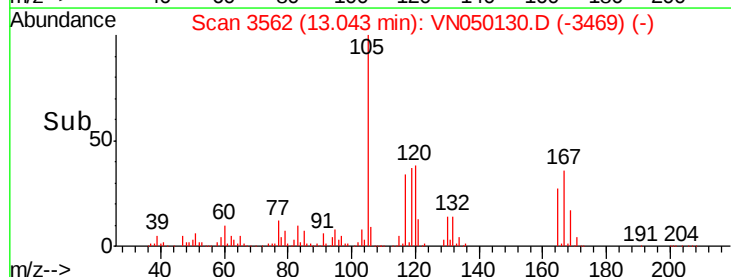
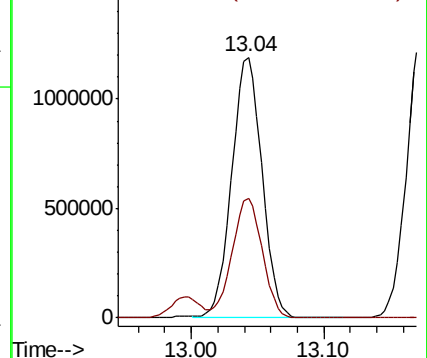
105 100

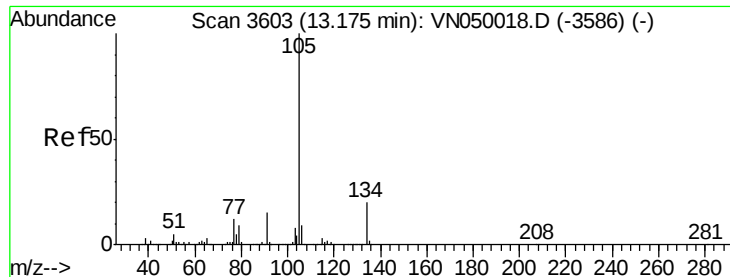
120 45.6 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 54.275 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2157834

Ion Ratio Lower Upper

105 100

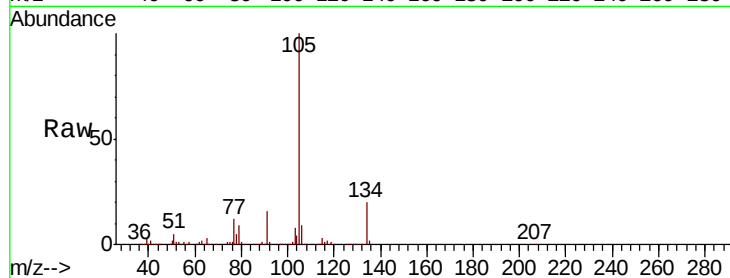
134 20.0 10.1 30.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

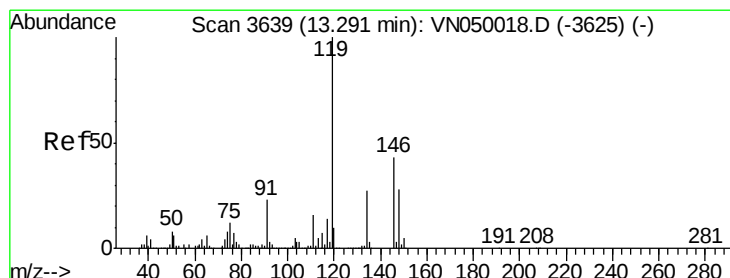
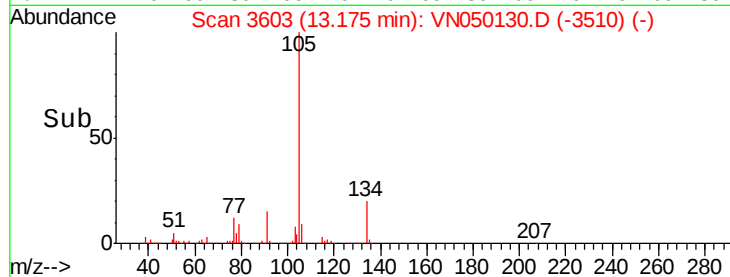
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 56.203 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

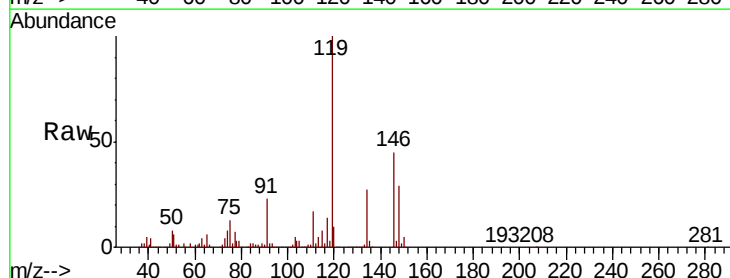
Tgt Ion:119 Resp: 1882813

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 22.8 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

13.29

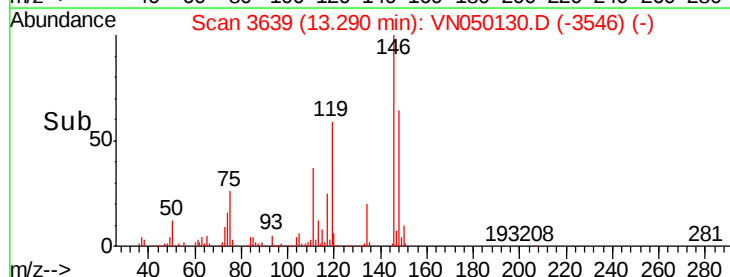
1500000

1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 50.232 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1023024

Ion Ratio Lower Upper

146 100

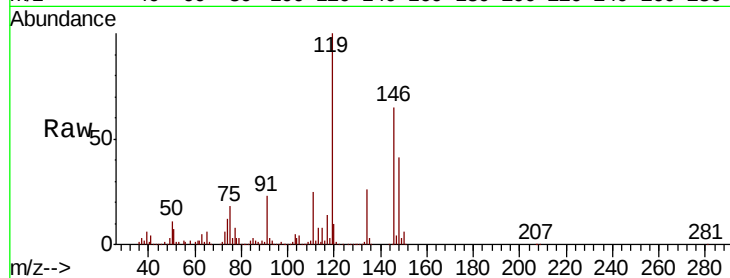
111 37.8 18.8 56.4

148 64.2 31.9 95.9

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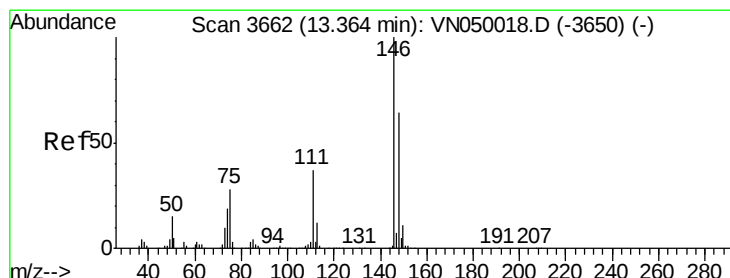
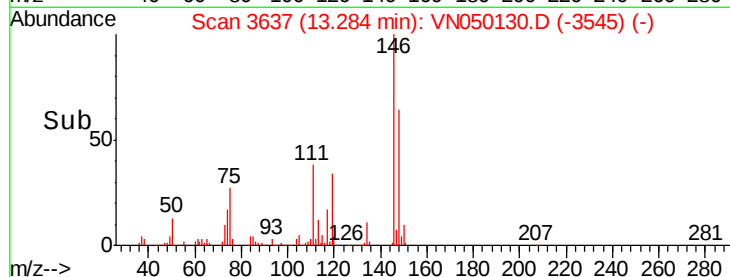
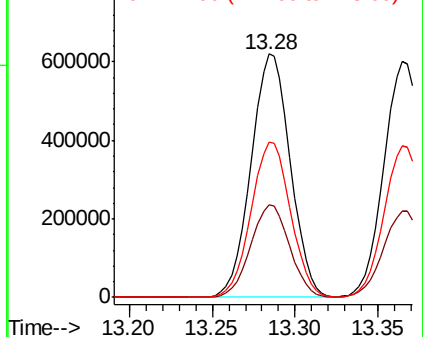


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.044 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

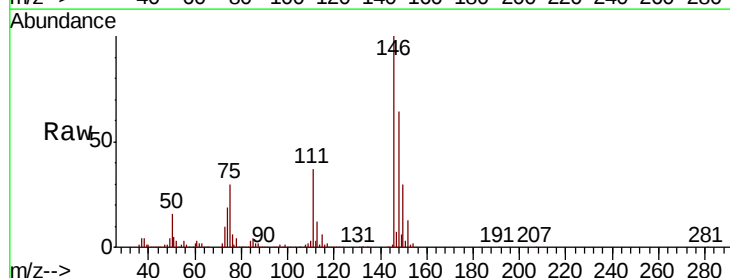
Tgt Ion:146 Resp: 993396

Ion Ratio Lower Upper

146 100

111 36.8 18.3 54.9

148 64.1 31.9 95.9

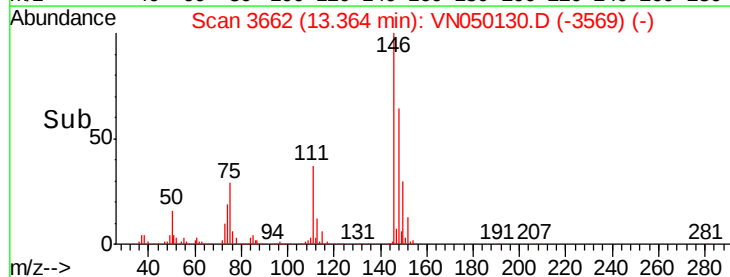
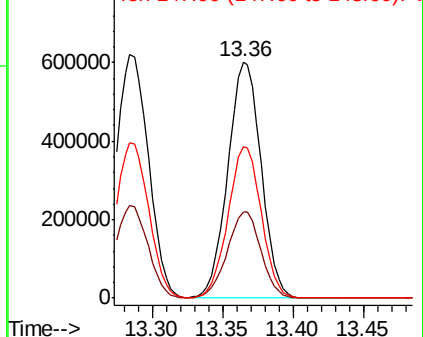


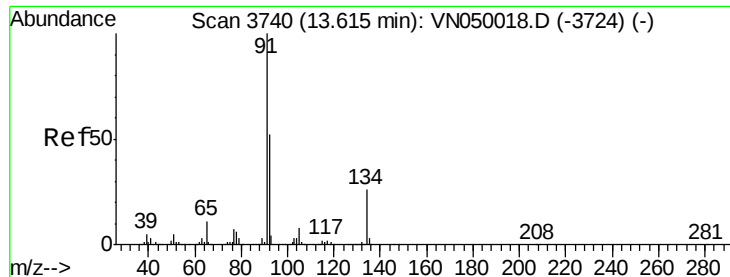
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





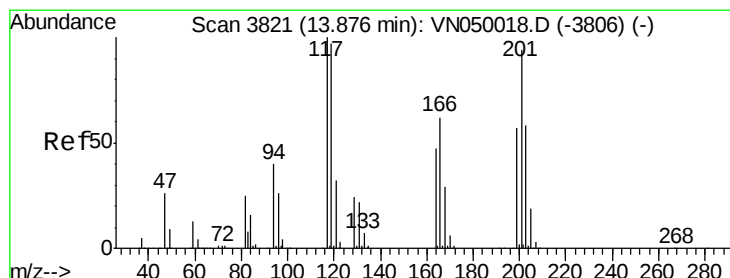
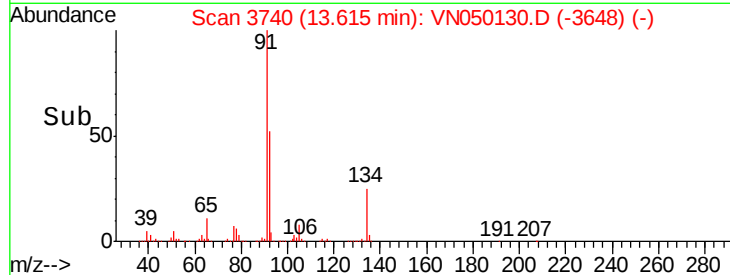
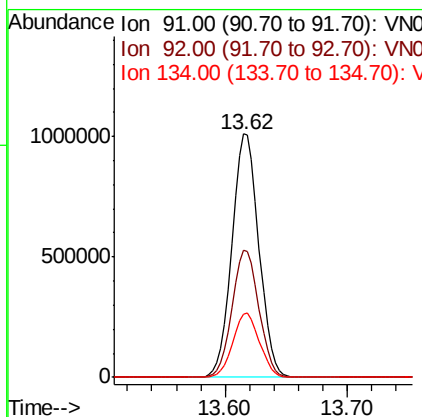
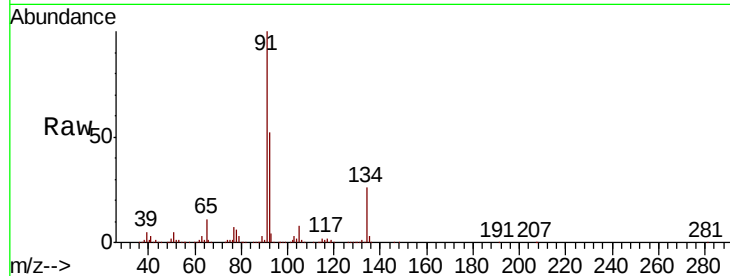
#89
n-Butylbenzene
Concen: 56.161 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.8	77.4
134	26.3	12.8	38.4

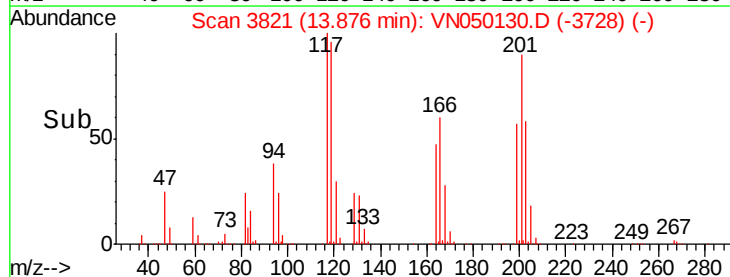
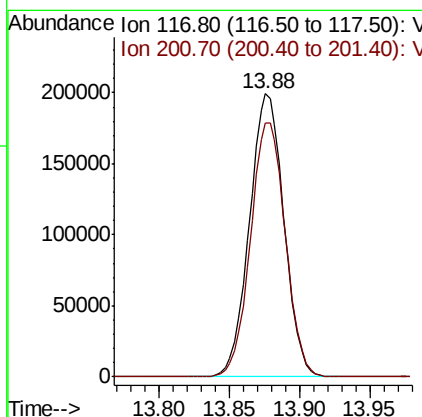
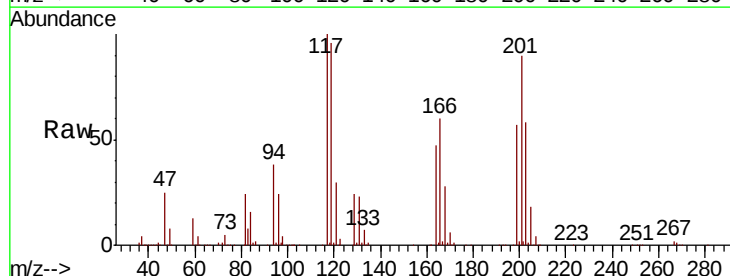
Manual Integrations
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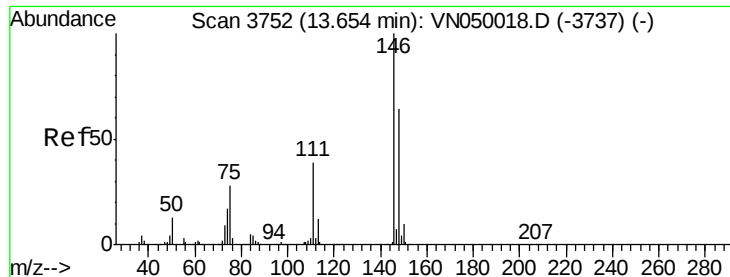
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#90
Hexachloroethane
Concen: 45.785 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.7	45.6	136.8





#91

1,2-Dichlorobenzene

Concen: 49.187 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1001380

Ion Ratio Lower Upper

146 100

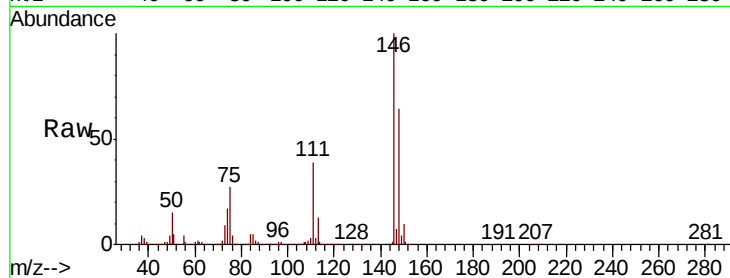
111 39.0 19.6 58.7

148 64.5 32.1 96.3

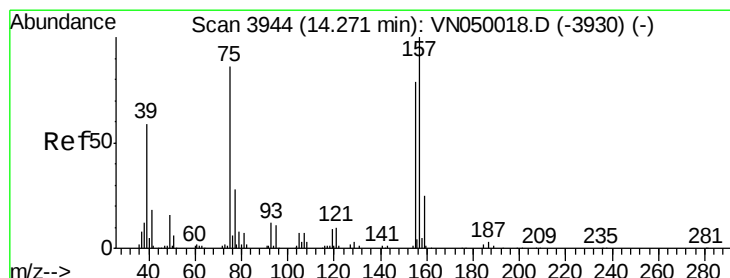
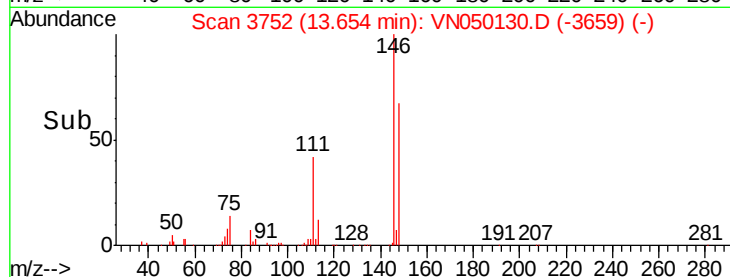
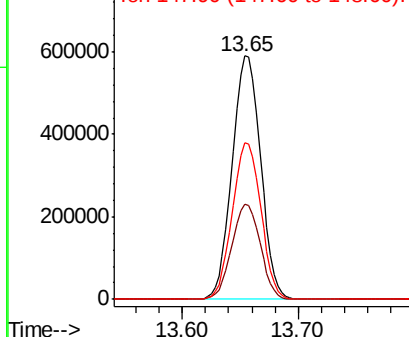
Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.407 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050130.D

Acq: 27 Jul 2018 15:08

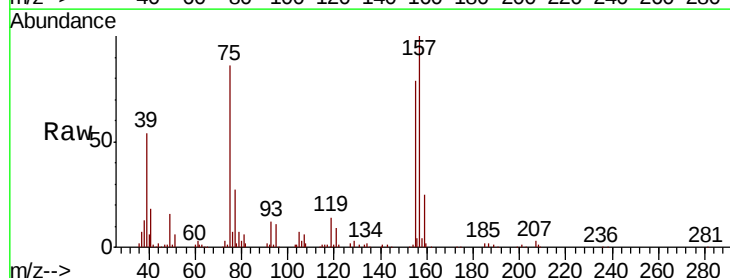
Tgt Ion: 75 Resp: 95442

Ion Ratio Lower Upper

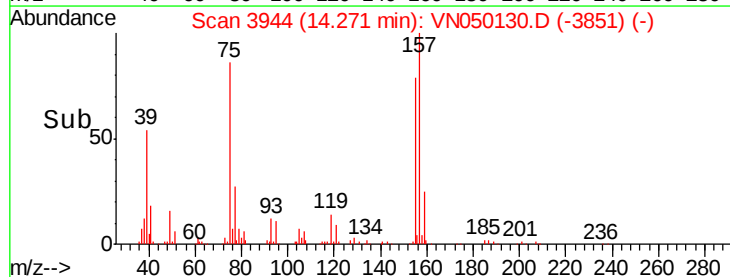
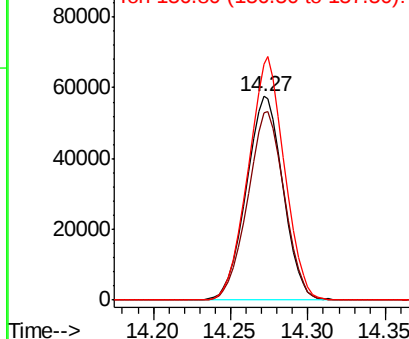
75 100

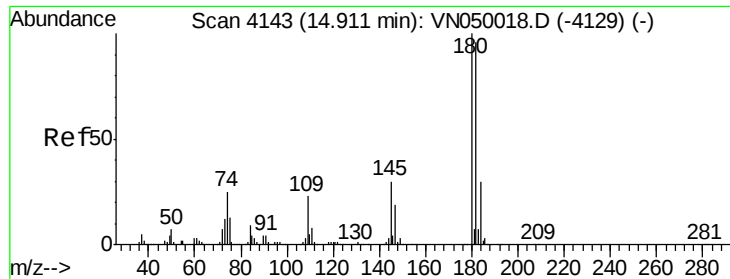
155 92.0 44.8 134.4

157 117.3 57.2 171.6



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





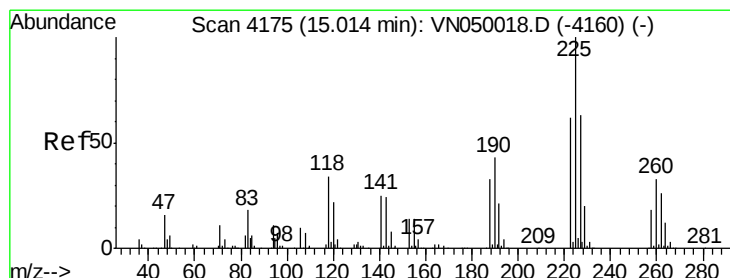
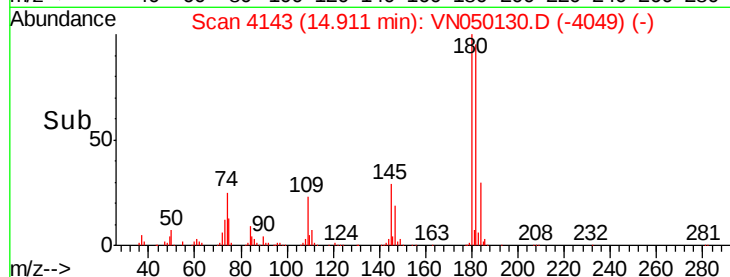
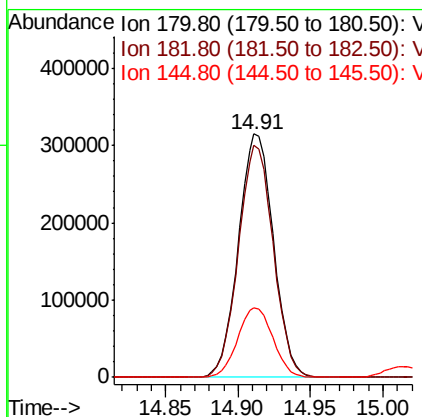
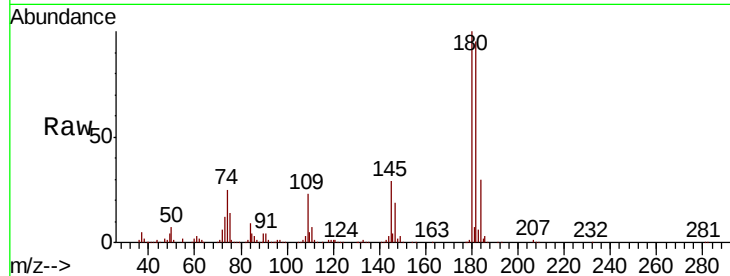
#93
 1,2,4-Trichlorobenzene
 Concen: 48.993 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050130.D
 Acq: 27 Jul 2018 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.9	46.7	140.1	
145	28.6	13.8	41.4	

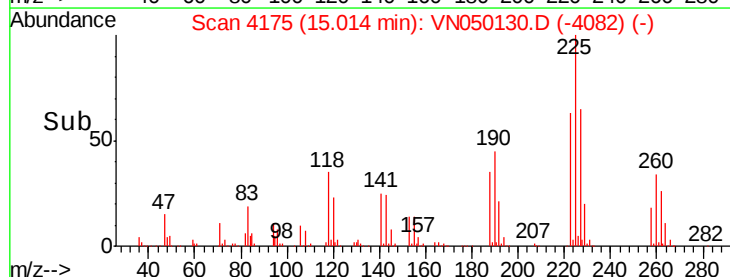
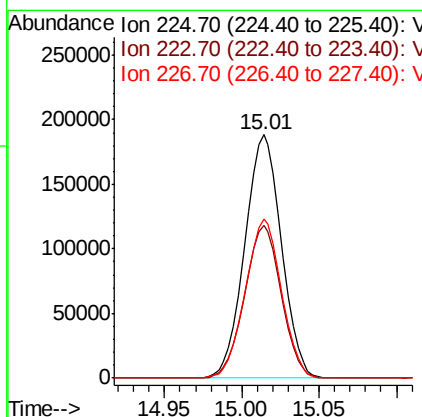
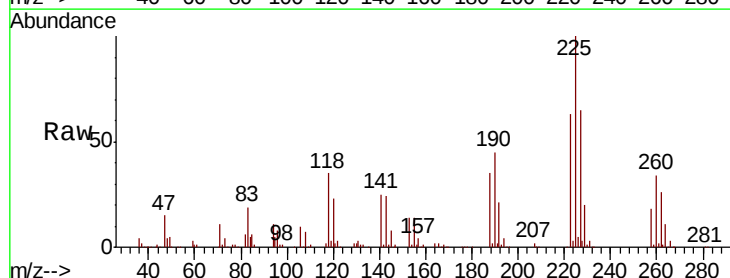
Manual Integrations
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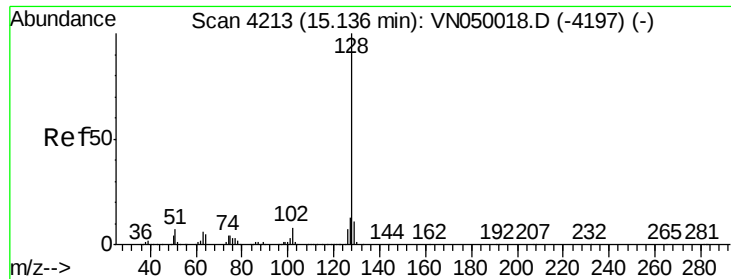
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#94
 Hexachlorobutadiene
 Concen: 49.814 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050130.D
 Acq: 27 Jul 2018 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.6	31.4	94.2	
227	64.4	32.1	96.5	





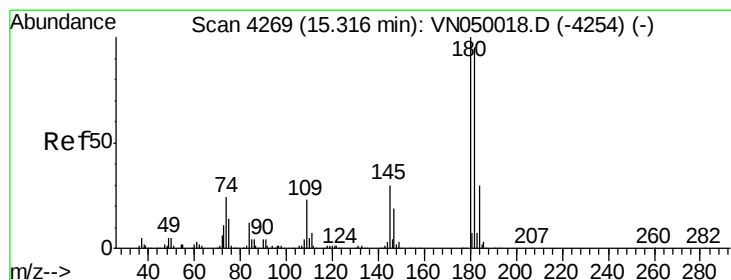
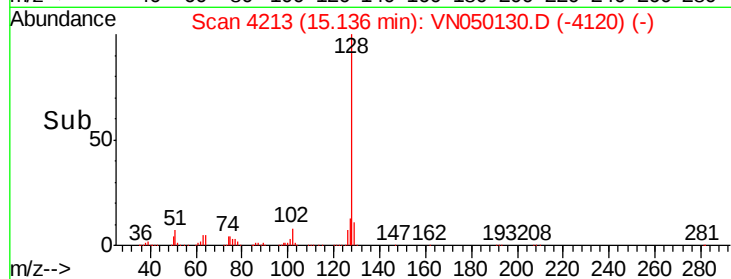
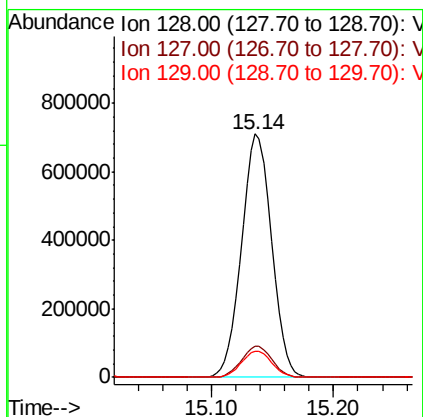
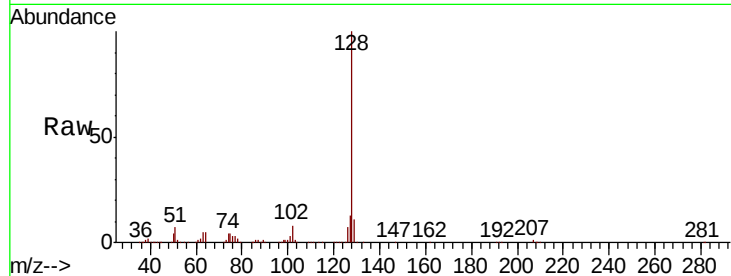
#95
Naphthalene
Concen: 47.397 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 48.850 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN050130.D
Acq: 27 Jul 2018 15:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.1	144.4
145	30.5	15.3	45.9

