

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050098.D
 Acq On : 26 Jul 2018 22:16
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 12:16:18 PM

Quant Time: Jul 27 04:08:43 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	675215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1021547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	936092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	490433	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	453310	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
35) Dibromofluoromethane	7.59	113	399569	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
50) Toluene-d8	10.09	98	1498878	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.40	95	517192	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	481710	49.65	ug/l	98
3) Chloromethane	2.06	50	458141	43.44	ug/l	99
4) Vinyl Chloride	2.18	62	491363	44.24	ug/l	99
5) Bromomethane	2.55	94	121456	19.07	ug/l	100
6) Chloroethane	2.69	64	293916	44.07	ug/l	99
7) Trichlorofluoromethane	3.01	101	648885	45.10	ug/l	100
8) Diethyl Ether	3.41	74	233439	48.67	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	384799	44.48	ug/l	99
10) Methyl Iodide	3.95	142	214906	19.35	ug/l	99
11) Tert butyl alcohol	4.81	59	172728	249.19	ug/l	100
12) 1,1-Dichloroethene	3.73	96	357103	45.89	ug/l	98
13) Acrolein	3.61	56	74073	133.00	ug/l	99
14) Allyl chloride	4.32	41	578695	47.96	ug/l	99
15) Acrylonitrile	5.00	53	745187	246.41	ug/l	100
16) Acetone	3.82	43	543341	244.76	ug/l	97
17) Carbon Disulfide	4.05	76	1025948	43.03	ug/l	99
18) Methyl Acetate	4.33	43	475605	55.28	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1077391	51.95	ug/l	99
20) Methylene Chloride	4.55	84	412068	49.32	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	384314	46.60	ug/l	98
22) Diisopropyl ether	5.96	45	1235280	51.63	ug/l	100
23) Vinyl Acetate	5.90	43	4320200	255.50	ug/l	99
24) 1,1-Dichloroethane	5.85	63	731108	46.73	ug/l	100
25) 2-Butanone	6.84	43	895434	249.19	ug/l	100
26) 2,2-Dichloropropane	6.83	77	470778	39.55	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	437508	49.29	ug/l	98
28) Bromochloromethane	7.20	49	345714	48.44	ug/l	100
29) Tetrahydrofuran	7.22	42	589804	254.01	ug/l	99
30) Chloroform	7.37	83	746229	46.74	ug/l	99
31) Cyclohexane	7.66	56	620184	47.79	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	639583	46.83	ug/l	100
36) 1,1-Dichloropropene	7.80	75	558282	48.51	ug/l	99
37) Ethyl Acetate	6.94	43	397128	49.49	ug/l	100
38) Carbon Tetrachloride	7.78	117	558514	45.73	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.09	83	586177	49.51	ug/l	99
40) Benzene	8.04	78	1683034	48.06	ug/l	100
41) Methacrylonitrile	7.18	41	205585	49.24	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	545263	46.67	ug/l	100
43) Isopropyl Acetate	8.17	43	797615	52.81	ug/l #	92
44) Trichloroethene	8.84	130	432821	45.99	ug/l	99
45) 1,2-Dichloropropane	9.12	63	439542	47.38	ug/l	99
46) Dibromomethane	9.21	93	274778	47.71	ug/l	99
47) Bromodichloromethane	9.41	83	573334	47.16	ug/l	99
48) Methyl methacrylate	9.20	41	365076	52.83	ug/l	100
49) 1,4-Dioxane	9.20	88	97133	1032.81	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2059163	261.04	ug/l	100
52) Toluene	10.16	92	1036346	50.13	ug/l	100
53) t-1,3-Dichloropropene	10.39	75	568856	49.59	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	643673	49.10	ug/l	99
55) 1,1,2-Trichloroethane	10.57	97	397339	48.46	ug/l	99
56) Ethyl methacrylate	10.43	69	527515	47.59	ug/l	99
57) 1,3-Dichloropropane	10.71	76	657937	49.27	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1206405	233.07	ug/l	100
59) 2-Hexanone	10.75	43	1407811	243.03	ug/l	100
60) Dibromochloromethane	10.90	129	447723	49.32	ug/l	100
61) 1,2-Dibromoethane	11.01	107	398289	48.96	ug/l	99
64) Tetrachloroethene	10.63	164	405344	45.04	ug/l	99
65) Chlorobenzene	11.44	112	1124083	47.54	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	421771	46.42	ug/l	98
67) Ethyl Benzene	11.51	91	1955247	51.48	ug/l	99
68) m/p-Xylenes	11.63	106	1503030	104.62	ug/l	100
69) o-Xylene	11.95	106	725418	52.97	ug/l	99
70) Styrene	11.97	104	1172507	48.17	ug/l	100
71) Bromoform	12.13	173	316661	47.91	ug/l #	99
73) Isopropylbenzene	12.25	105	1939052	50.98	ug/l	100
74) N-amyl acetate	12.07	43	609023	52.39	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	530795	52.33	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	451689m	49.56	ug/l	
77) Bromobenzene	12.53	156	499413	47.37	ug/l	99
78) n-propylbenzene	12.59	91	2206423	51.90	ug/l	100
79) 2-Chlorotoluene	12.68	91	1322678	50.20	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1590337	53.16	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	140603	48.93	ug/l	99
82) 4-Chlorotoluene	12.78	91	1326848	50.85	ug/l	100
83) tert-Butylbenzene	13.00	119	1359176	52.06	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1624515	53.87	ug/l	99
85) sec-Butylbenzene	13.17	105	1826441	52.35	ug/l	100
86) p-Isopropyltoluene	13.29	119	1590336	54.10	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	869981	48.68	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	843637	48.43	ug/l	99
89) n-Butylbenzene	13.62	91	1302103	53.87	ug/l	100
90) Hexachloroethane	13.88	117	293126	44.91	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	867038	48.53	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	87448	51.63	ug/l	98

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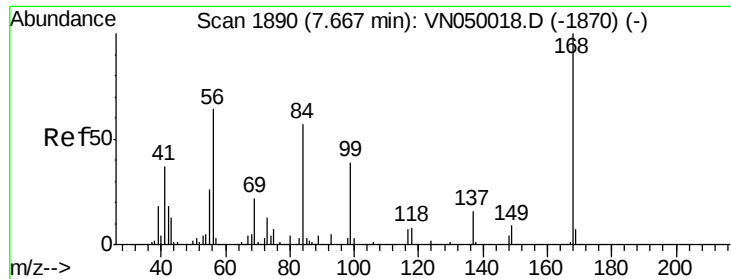
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	445510	47.21	ug/l	97
94) Hexachlorobutadiene	15.01	225	257742	47.13	ug/l	98
95) Naphthalene	15.14	128	1055977	47.40	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	448393	48.65	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 675215

Ion Ratio Lower Upper

168 100

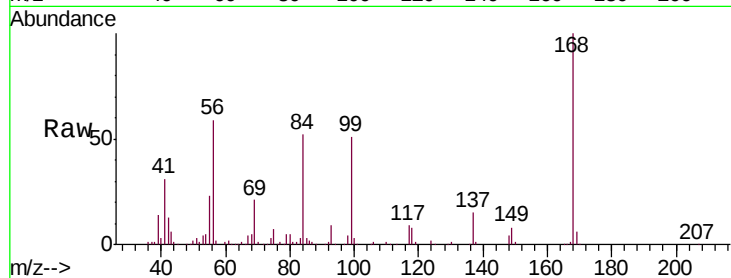
99 50.3 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1870) (-)

7.67

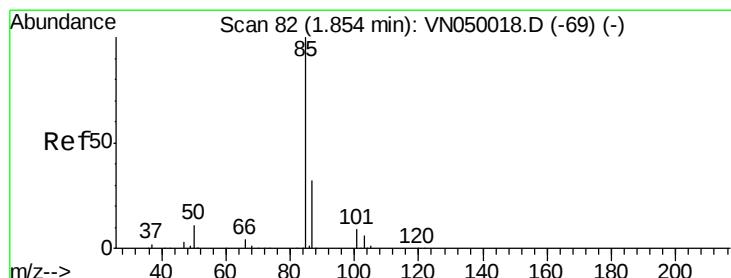
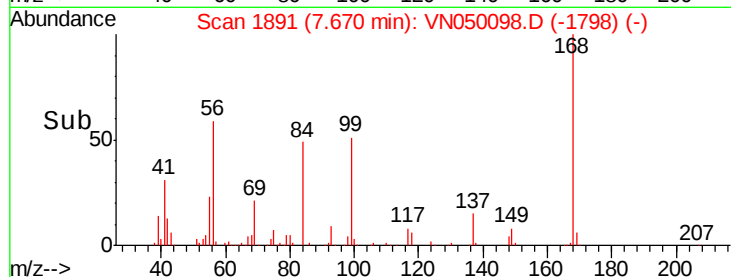
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.65 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050098.D

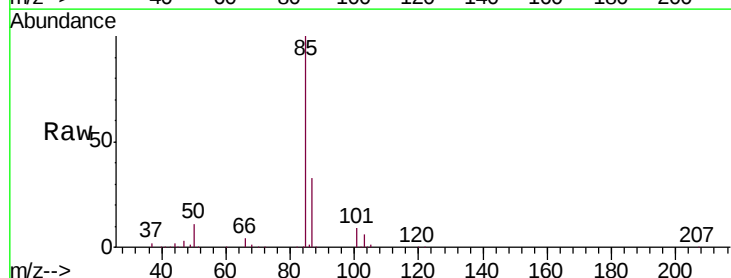
Acq: 26 Jul 2018 22:16

Tgt Ion: 85 Resp: 481710

Ion Ratio Lower Upper

85 100

87 33.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN050018.D (-69) (-)

Ion 86.90 (86.60 to 87.60): VN050018.D (-69) (-)

1.85

400000

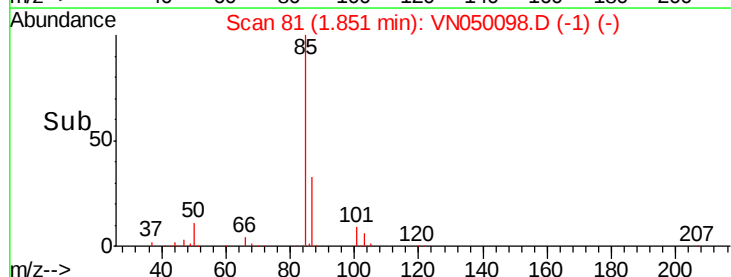
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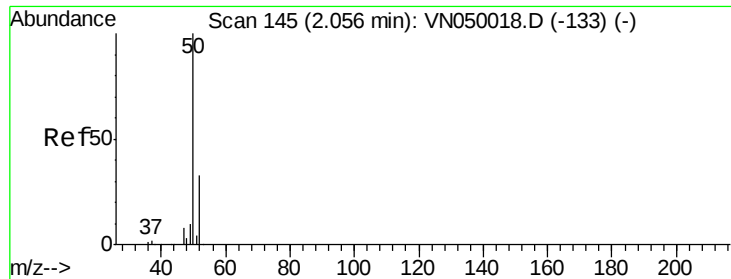
200000

100000

0

Time-->





#3

Chloromethane

Concen: 43.44 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 458141

Ion Ratio Lower Upper

50 100

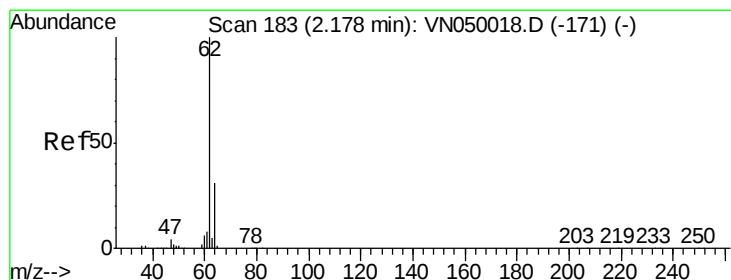
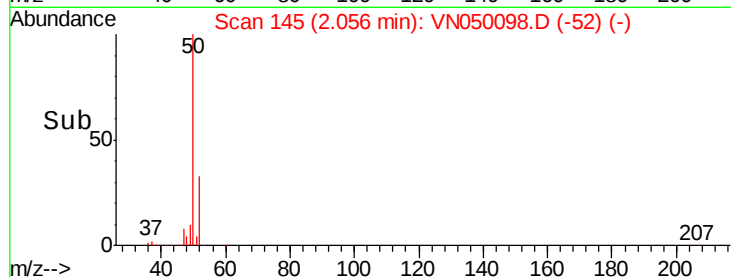
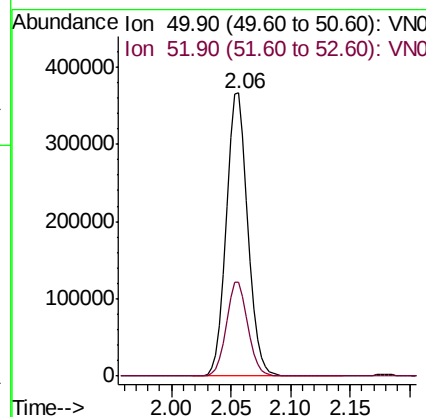
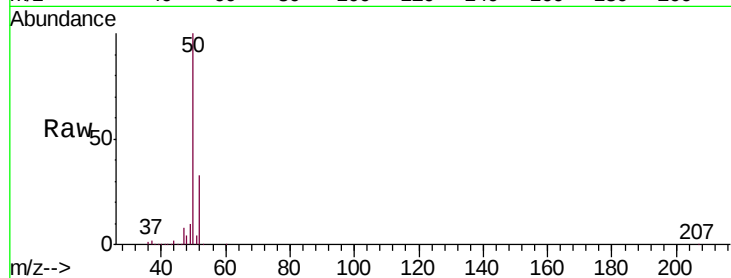
52 33.2 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.24 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050098.D

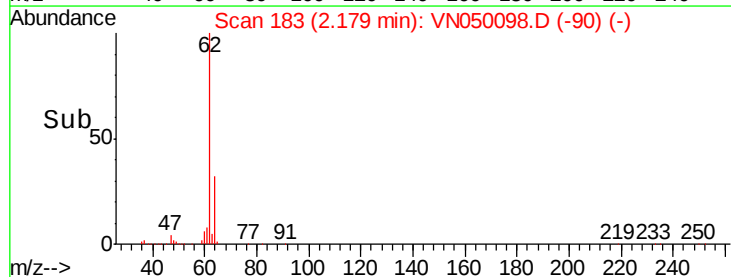
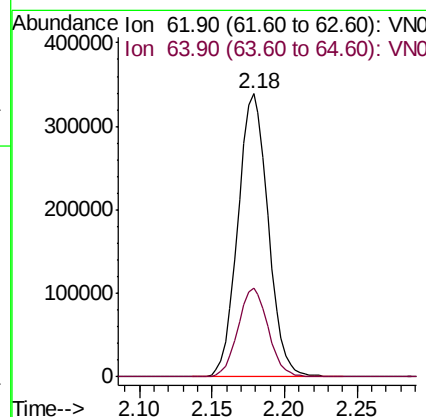
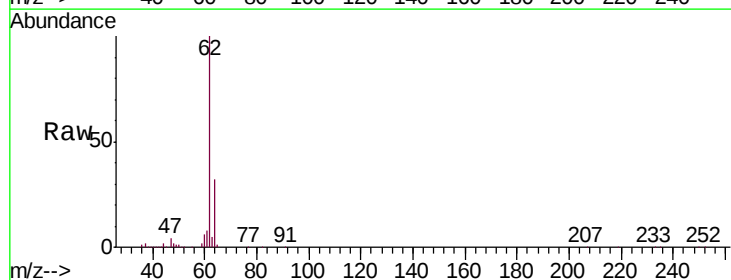
Acq: 26 Jul 2018 22:16

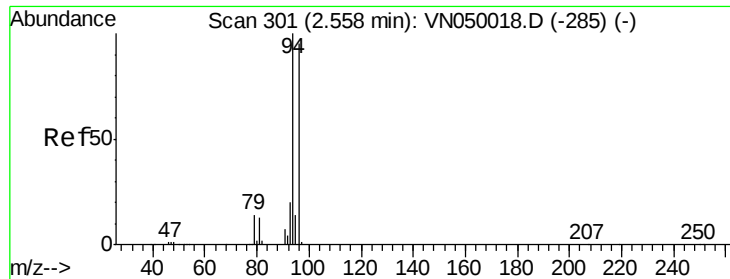
Tgt Ion: 62 Resp: 491363

Ion Ratio Lower Upper

62 100

64 31.6 24.7 37.1





#5

Bromomethane

Concen: 19.07 ug/l

RT: 2.55 min Scan# 299

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 121456

Ion Ratio Lower Upper

94 100

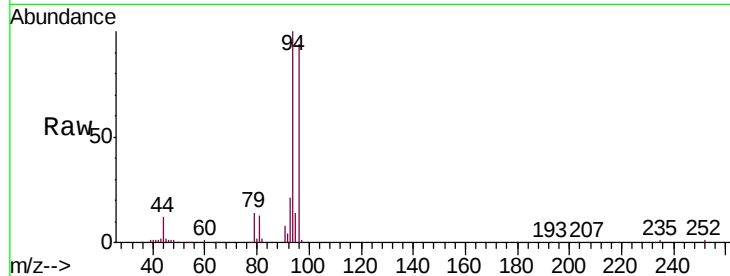
96 93.8 74.6 112.0

Manual Integrations

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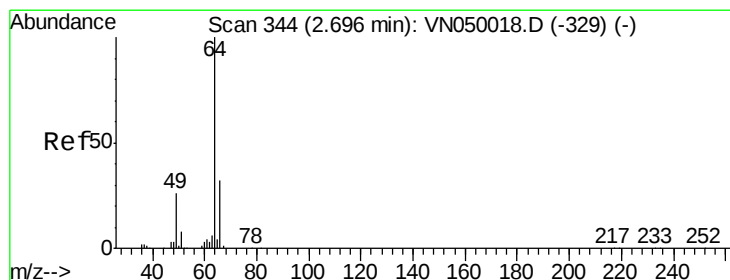
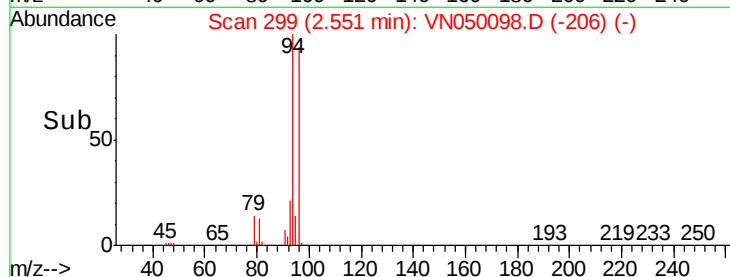
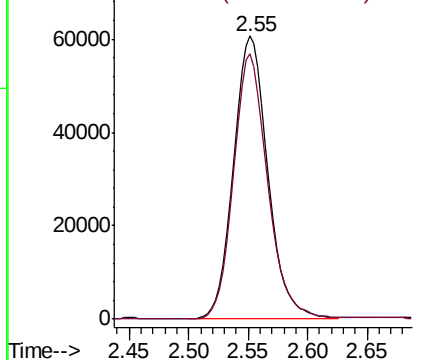
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.07 ug/l

RT: 2.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VN050098.D

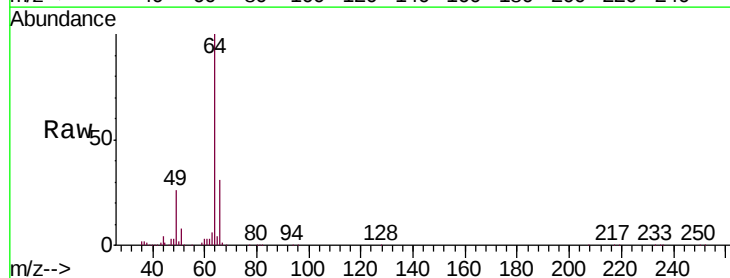
Acq: 26 Jul 2018 22:16

Tgt Ion: 64 Resp: 293916

Ion Ratio Lower Upper

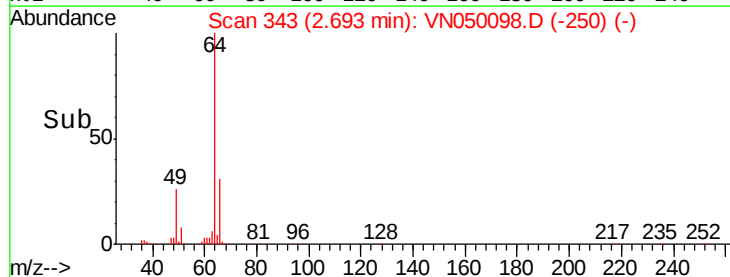
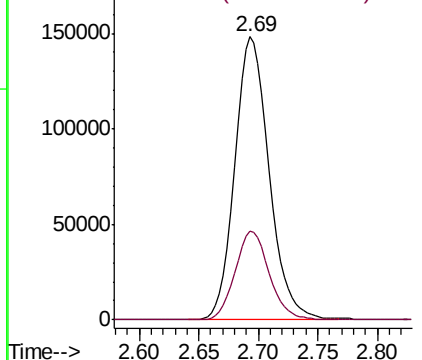
64 100

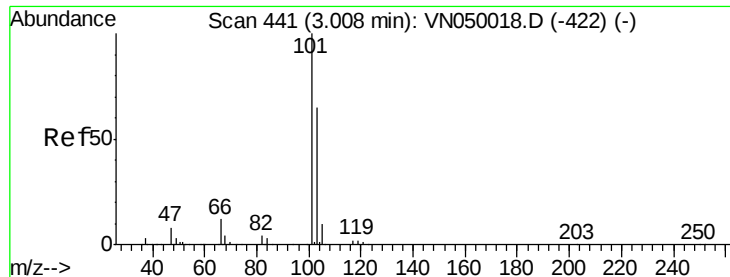
66 31.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

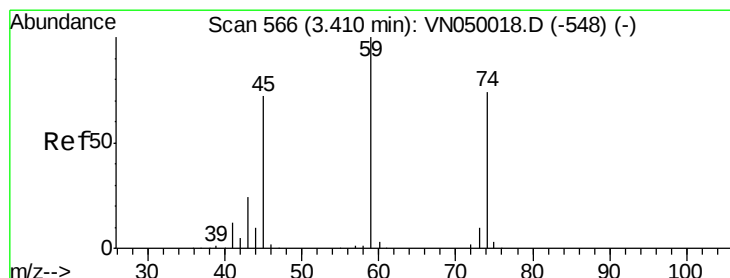
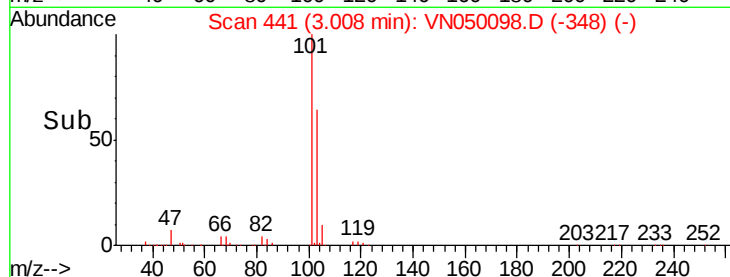
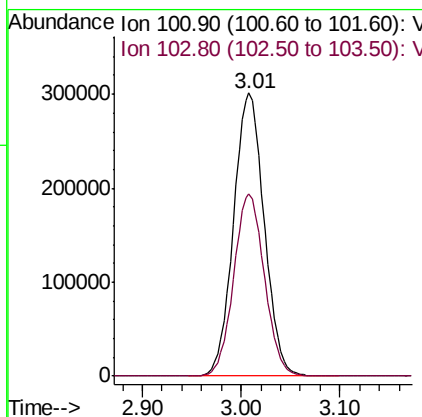
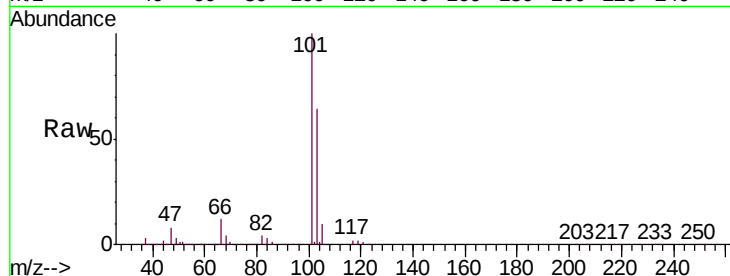
Trichlorofluoromethane
Concen: 45.10 ug/l
RT: 3.01 min Scan# 441
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.7	77.5

Manual Integrations
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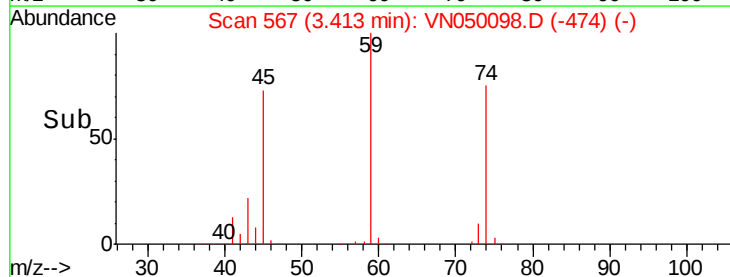
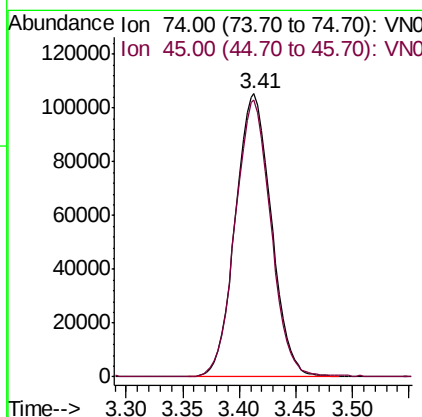
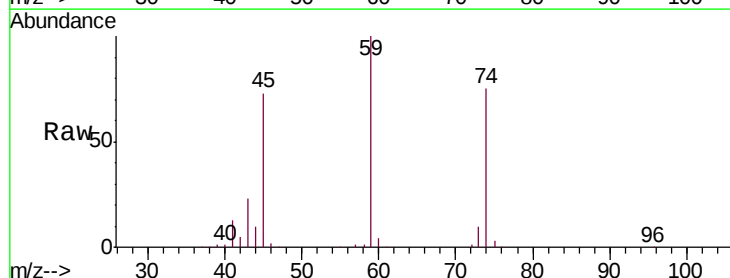
MMDadoda
7/27/2018 12:16:18 PM

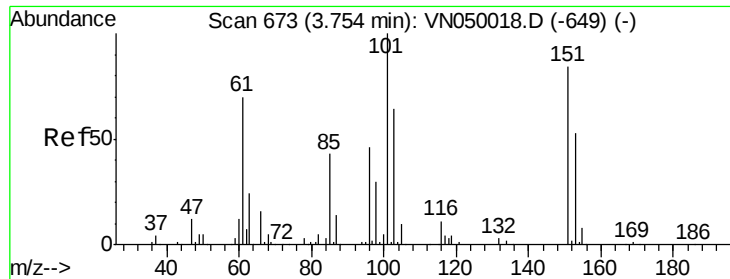


#8

Diethyl Ether
Concen: 48.67 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.48 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

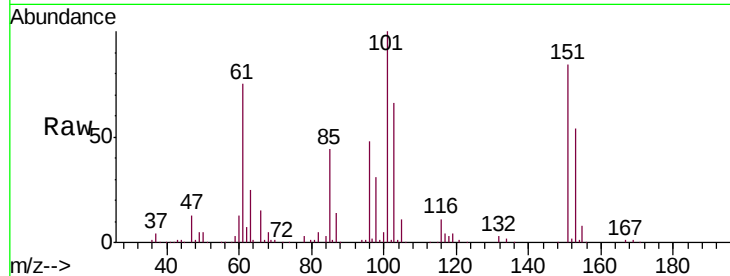
ClientSampleId :

VSTDCCC050

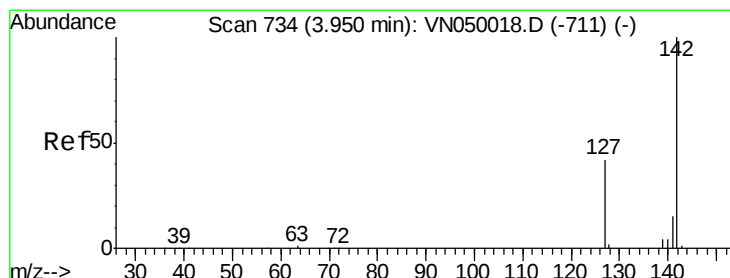
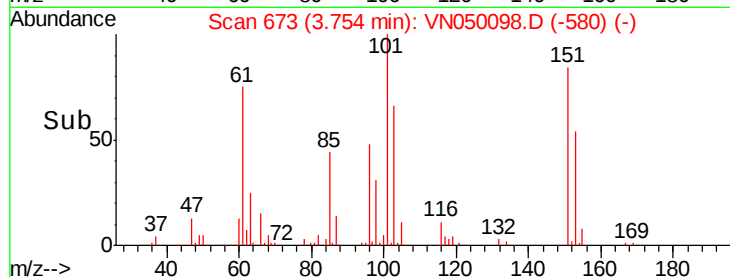
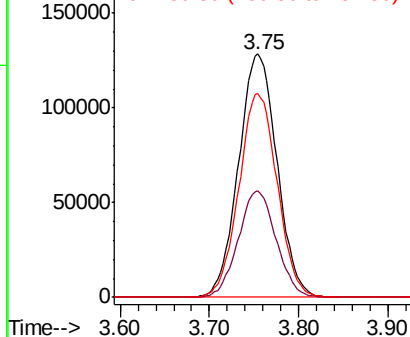
Tot Ion:	101	Resp:	384799
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.2	51.2
151	83.5	66.3	99.5

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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: 19.35 ug/l

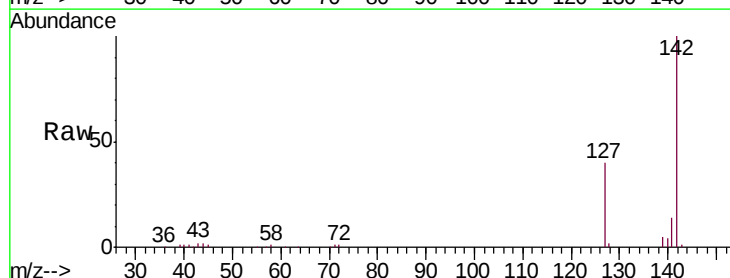
RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

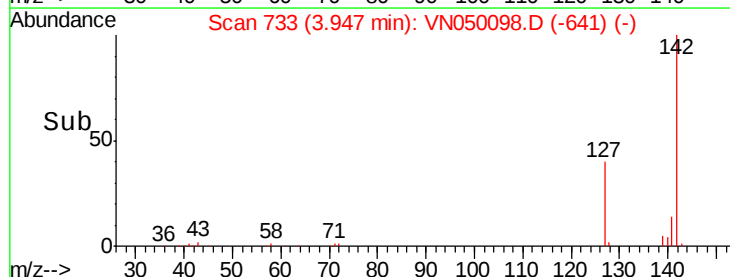
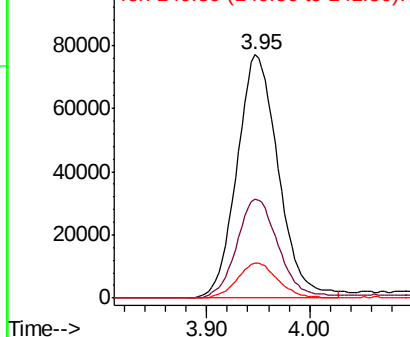
Lab File: VN050098.D

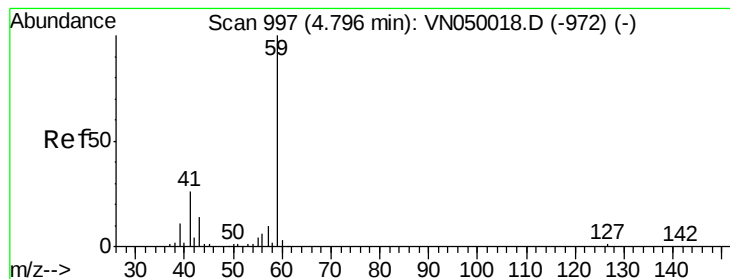
Acq: 26 Jul 2018 22:16

Tgt Ion:	142	Resp:	214906
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.4	50.2
141	14.0	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

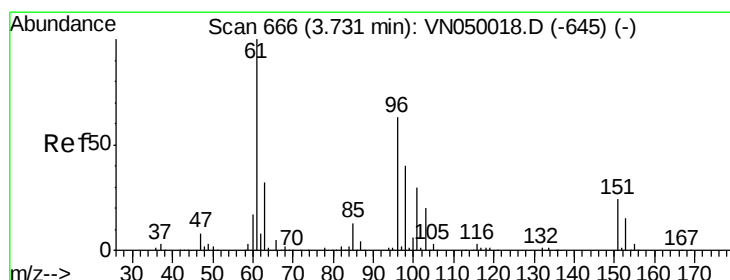
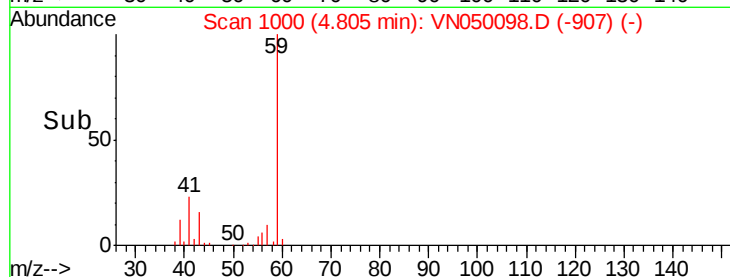
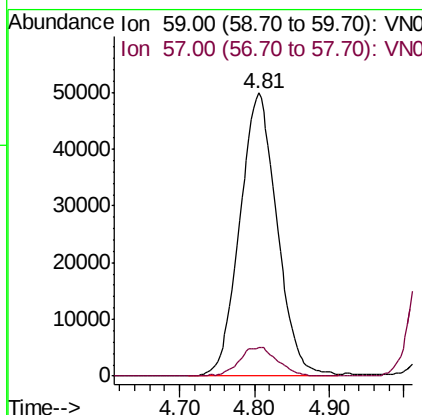
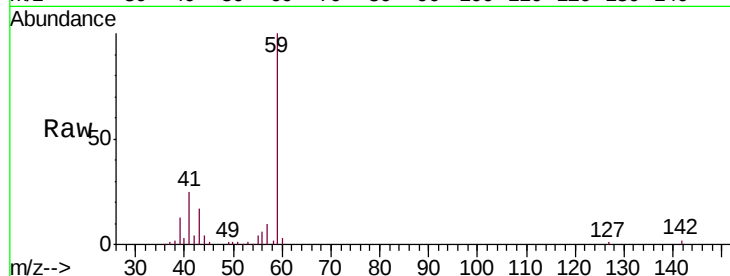
Tert butyl alcohol
 Concen: 249.19 ug/l
 RT: 4.81 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN050098.D
 Acq: 26 Jul 2018 22:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

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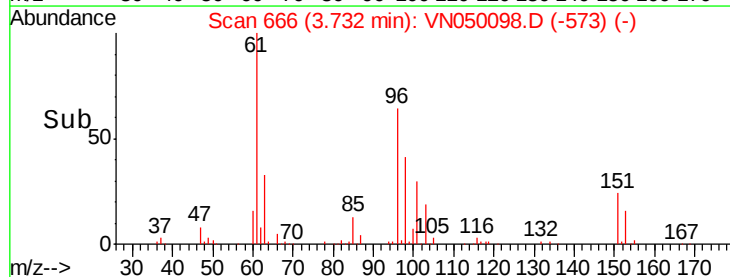
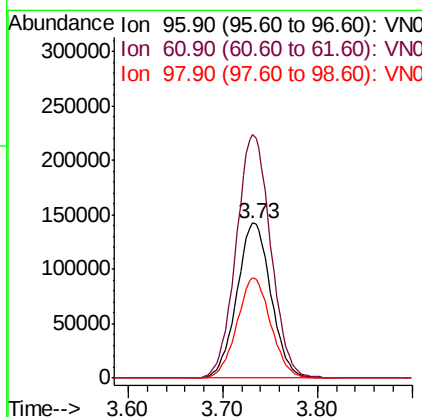
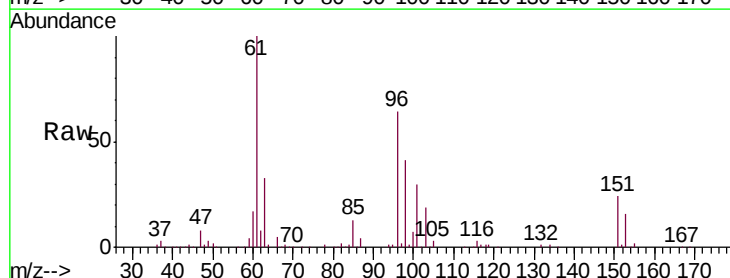
MMDadoda
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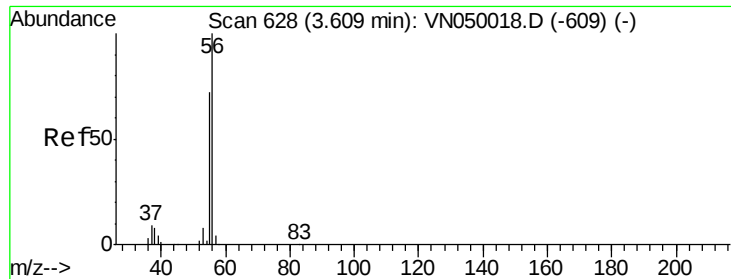


#12

1,1-Dichloroethene
 Concen: 45.89 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VN050098.D
 Acq: 26 Jul 2018 22:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.9	124.4	186.6
98	64.8	48.3	72.5





#13

Acrolein

Concen: 133.00 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 74073

Ion Ratio Lower Upper

56 100

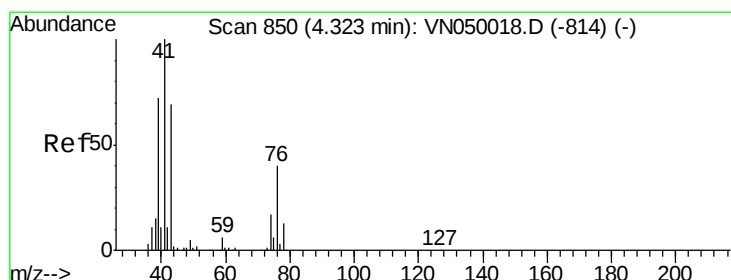
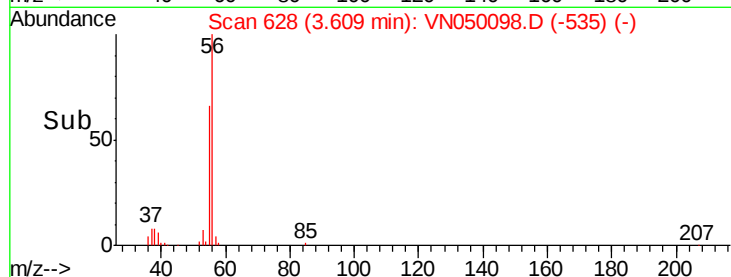
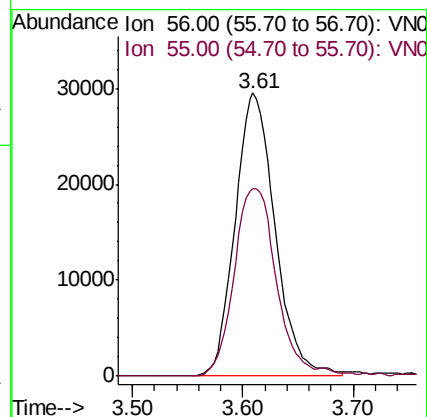
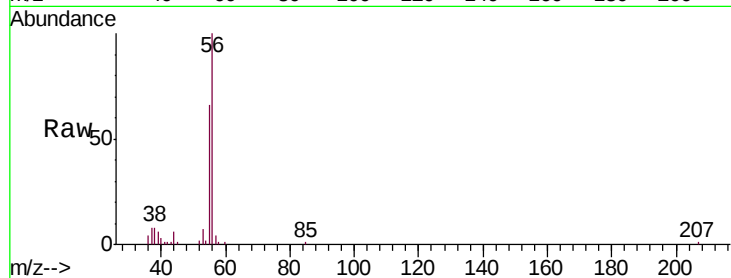
55 69.3 55.8 83.6

Manual Integrations

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#14

Allyl chloride

Concen: 47.96 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

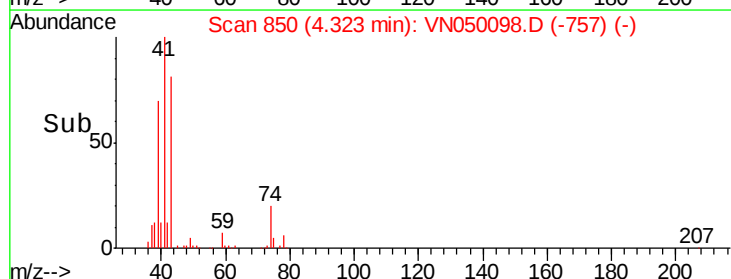
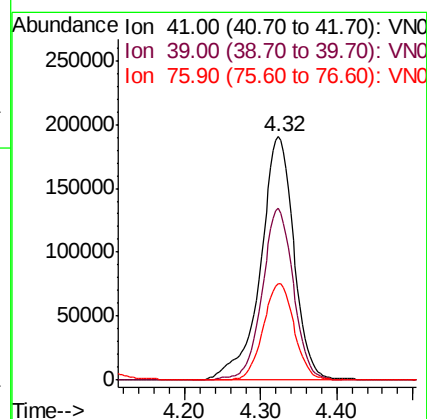
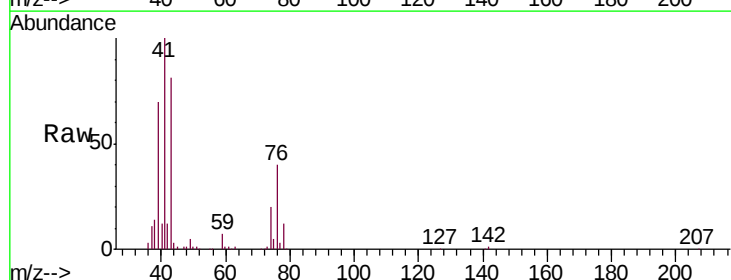
Tgt Ion: 41 Resp: 578695

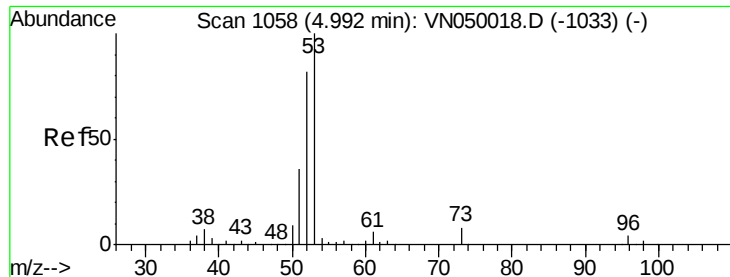
Ion Ratio Lower Upper

41 100

39 66.1 54.2 81.4

76 36.5 29.0 43.6





#15

Acrylonitrile

Concen: 246.41 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

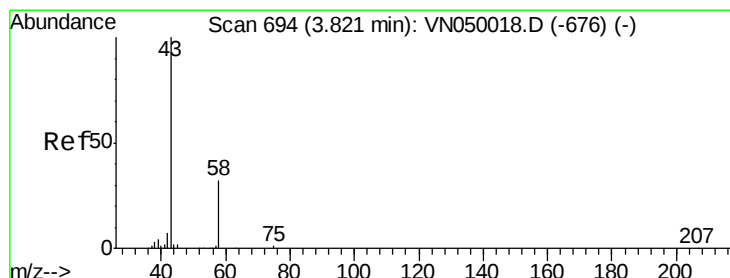
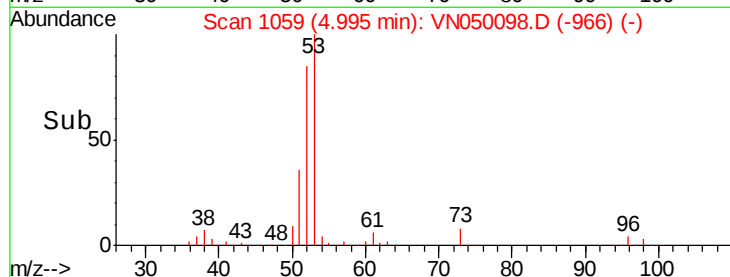
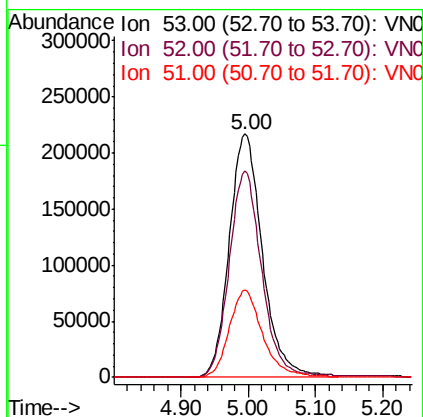
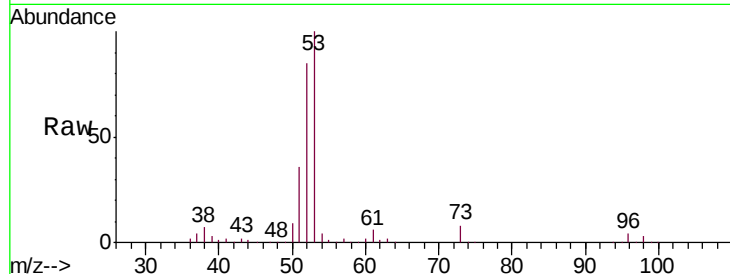
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	745187
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.3	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 244.76 ug/l

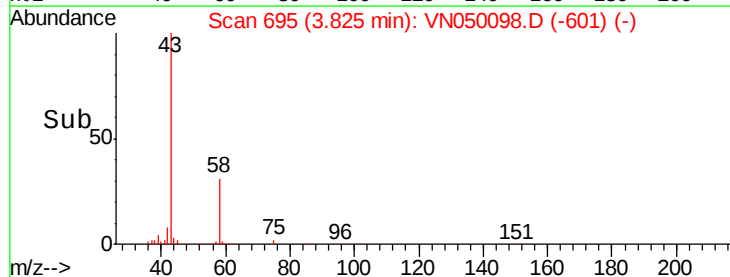
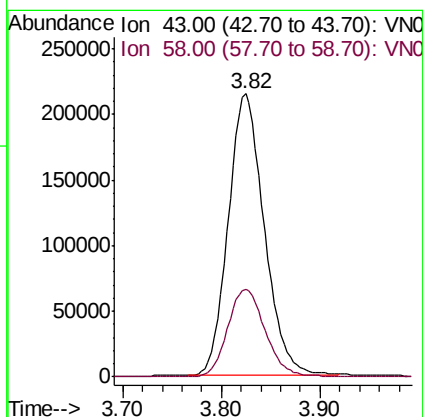
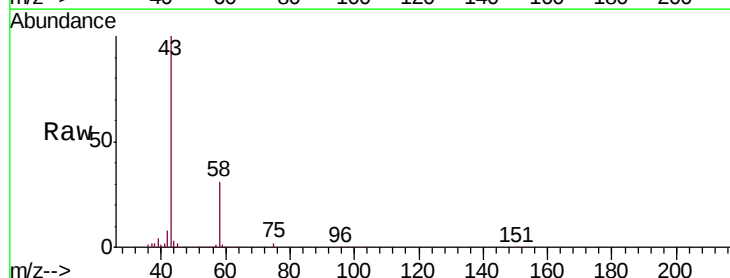
RT: 3.82 min Scan# 695

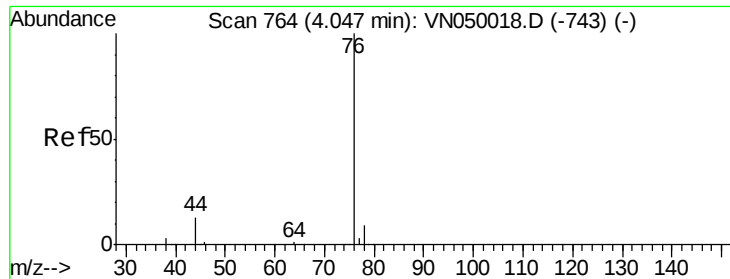
Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Tgt Ion:	43	Resp:	543341
Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.8	38.8





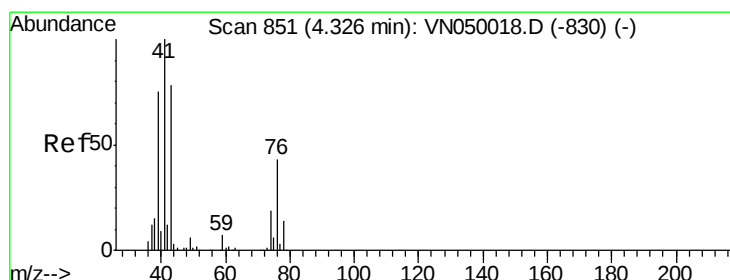
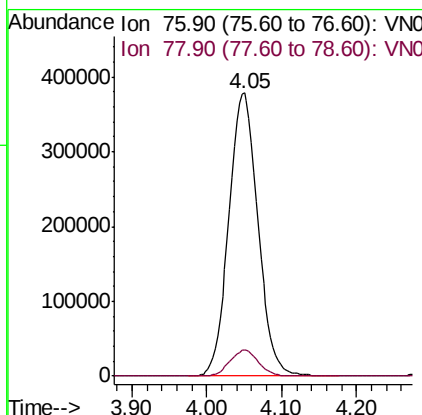
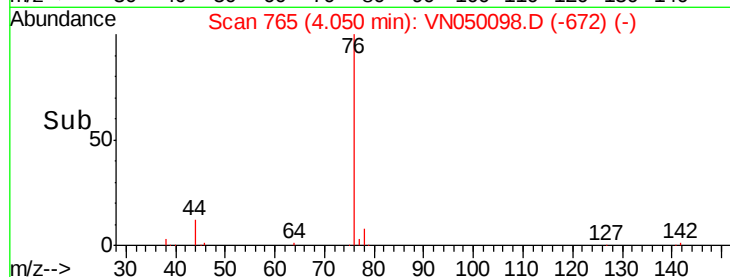
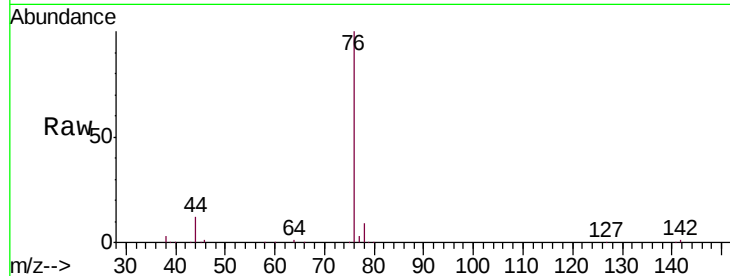
#17
Carbon Disulfide
Concen: 43.03 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1025948
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9

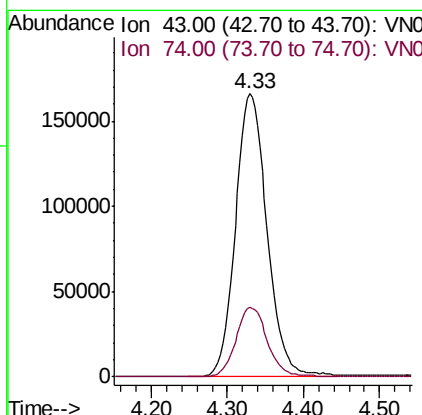
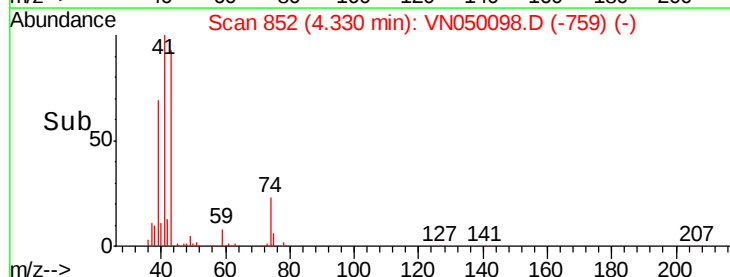
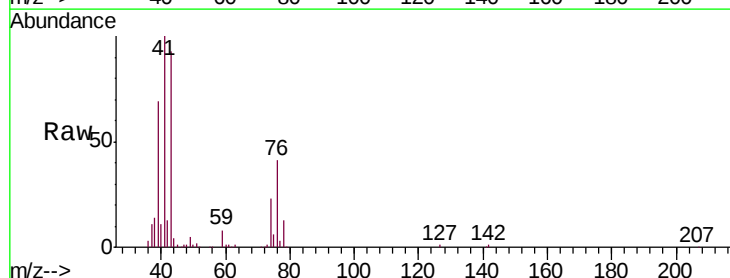
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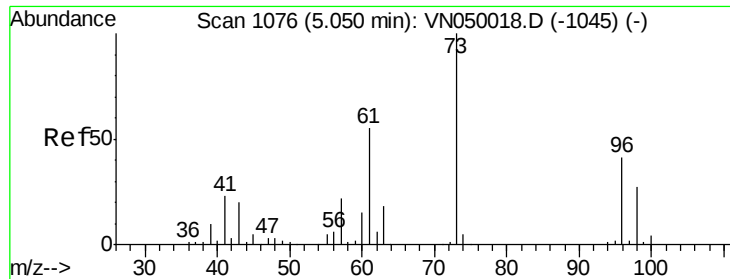
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#18
Methyl Acetate
Concen: 55.28 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion: 43 Resp: 475605
Ion Ratio Lower Upper
43 100
74 24.6 19.2 28.8





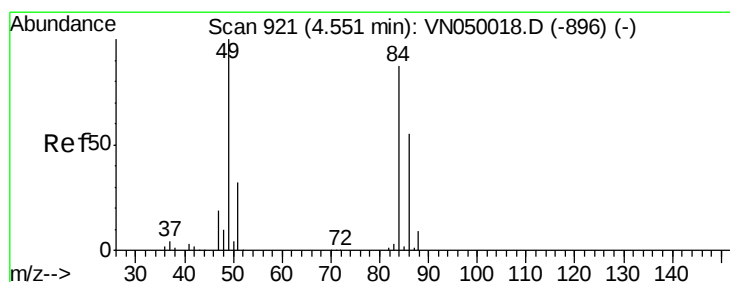
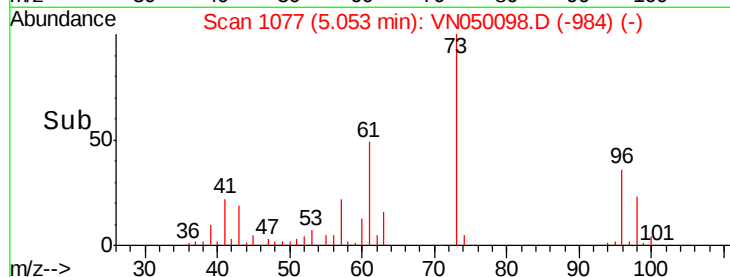
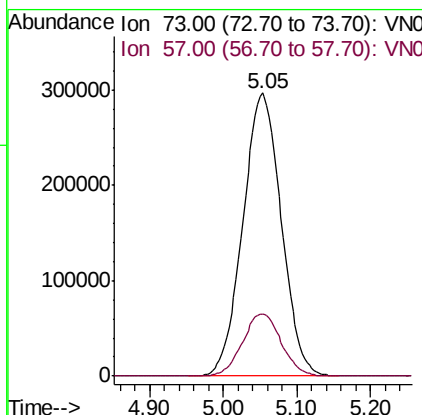
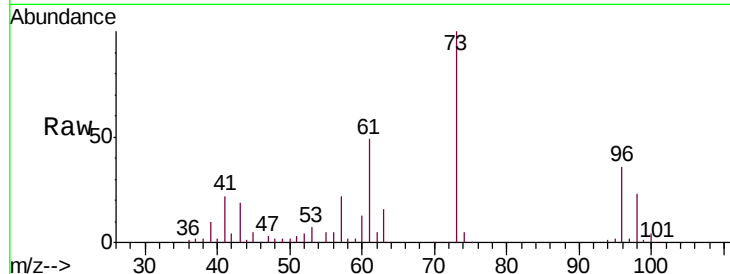
#19
Methvl tert-butvl Ether
Concen: 51.95 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1077391
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0

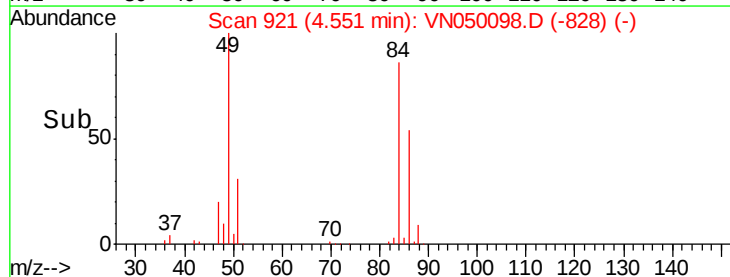
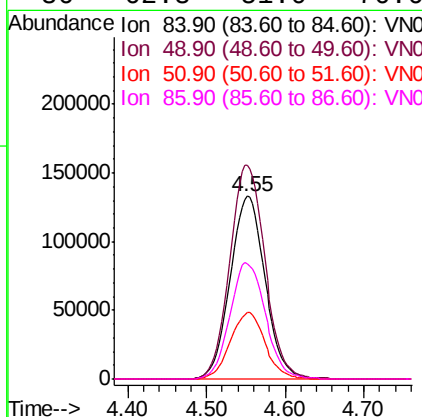
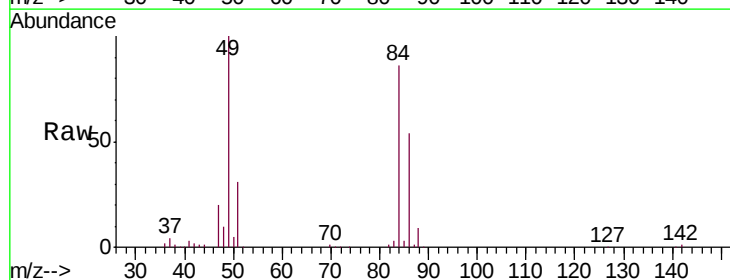
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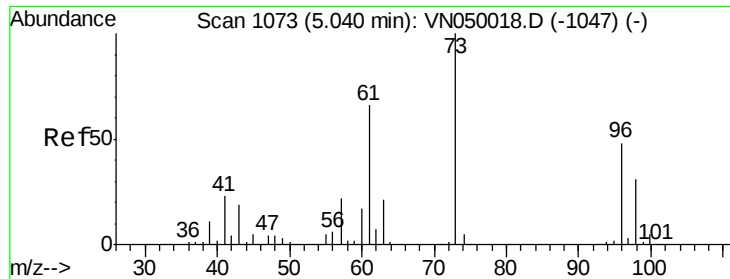
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#20
Methylene Chloride
Concen: 49.32 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion: 84 Resp: 412068
Ion Ratio Lower Upper
84 100
49 116.8 94.8 142.2
51 36.3 28.3 42.5
86 62.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 46.60 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

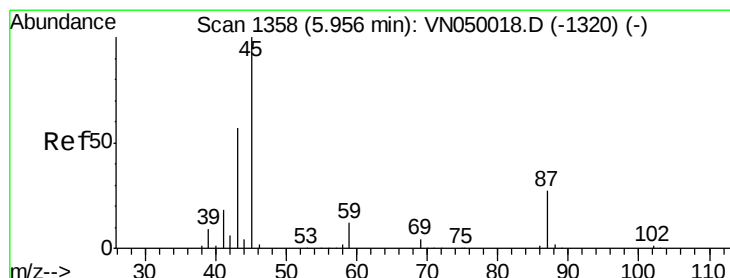
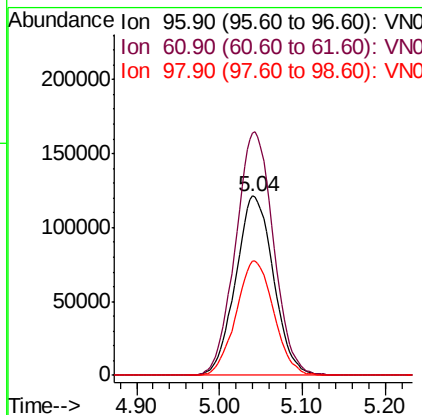
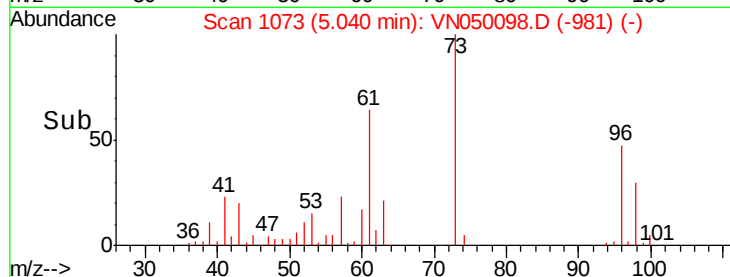
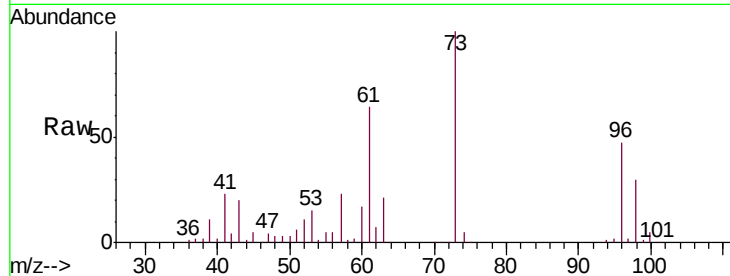
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	384314
Ion	Ratio	Lower	Upper
96	100		
61	135.7	110.7	166.1
98	63.7	51.6	77.4

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#22

Diisopropyl ether

Concen: 51.63 ug/l

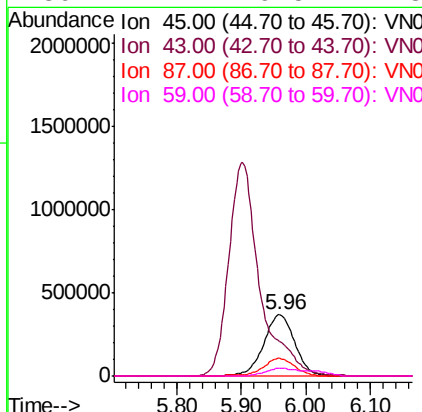
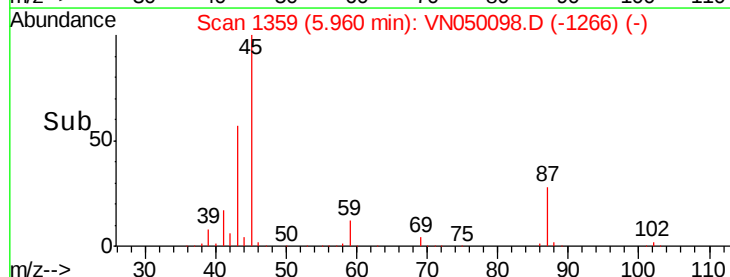
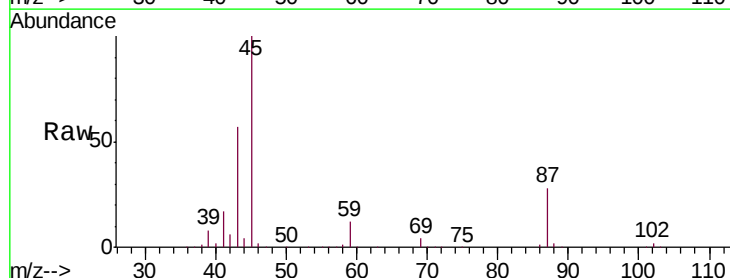
RT: 5.96 min Scan# 1359

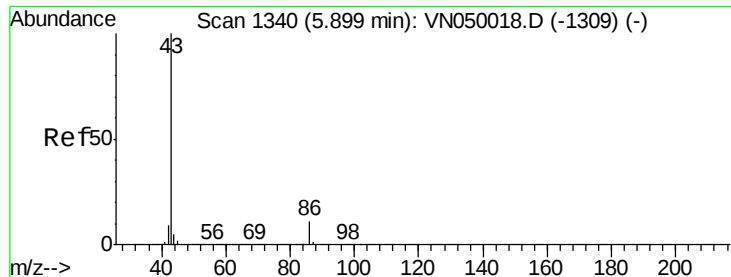
Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Tgt Ion:	45	Resp:	1235280
Ion	Ratio	Lower	Upper
45	100		
43	56.7	45.7	68.5
87	28.3	22.7	34.1
59	12.1	9.5	14.3





#23

Vinyl Acetate

Concen: 255.50 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 4320200

Ion Ratio Lower Upper

43 100

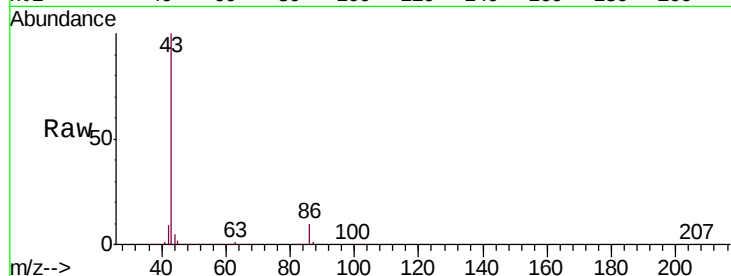
86 10.5 8.6 13.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN050098.D (-1340) (-)

Ion 86.00 (85.70 to 86.70): VN050098.D (-1340) (-)

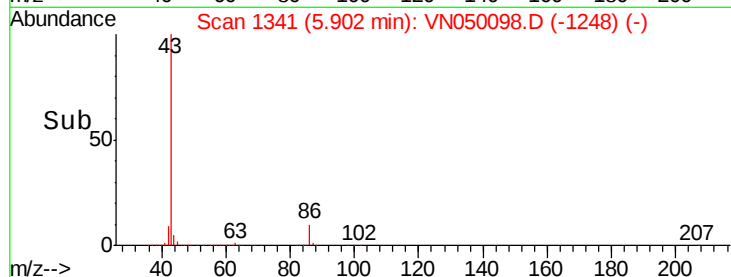
1500000

1000000

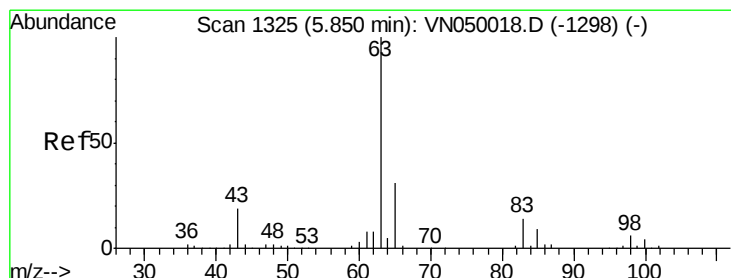
500000

0

5.70 5.80 5.90 6.00 6.10



Time-->



#24

1,1-Dichloroethane

Concen: 46.73 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

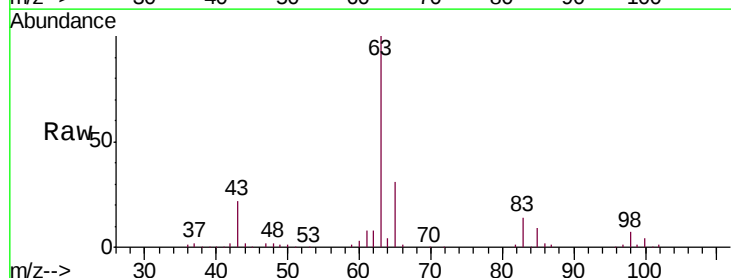
Tgt Ion: 63 Resp: 731108

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.4 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN050098.D (-1325) (-)

Ion 97.90 (97.60 to 98.60): VN050098.D (-1325) (-)

Ion 99.90 (99.60 to 100.60): VN050098.D (-1325) (-)

300000

250000

200000

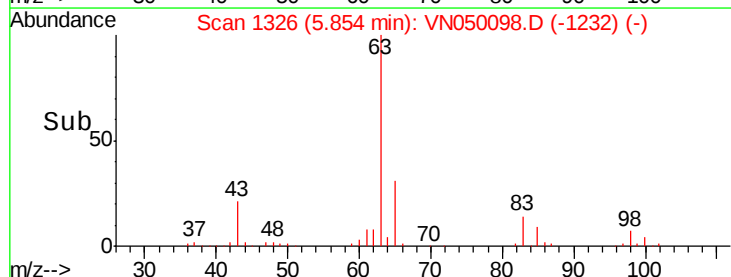
150000

100000

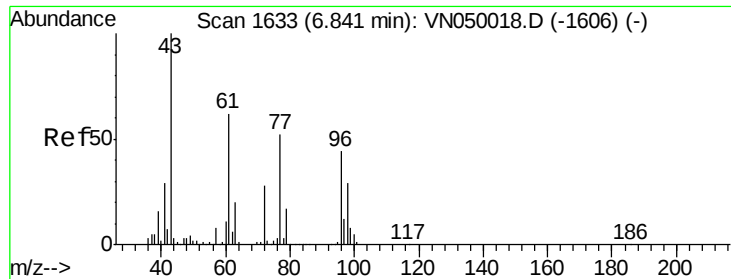
50000

0

5.70 5.80 5.90 6.00



Time-->



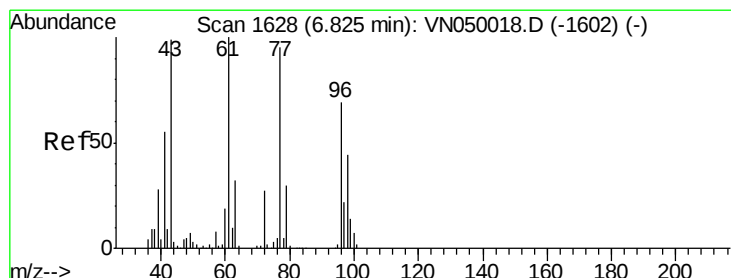
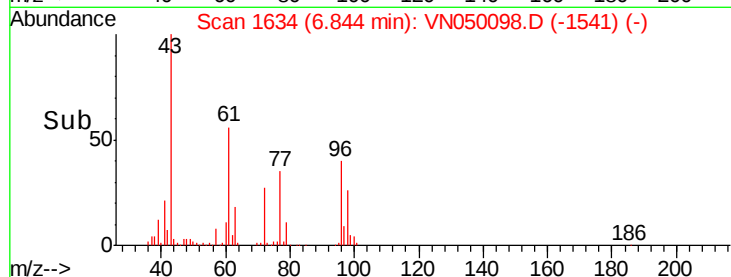
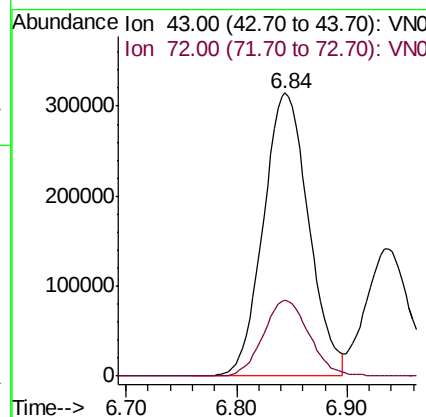
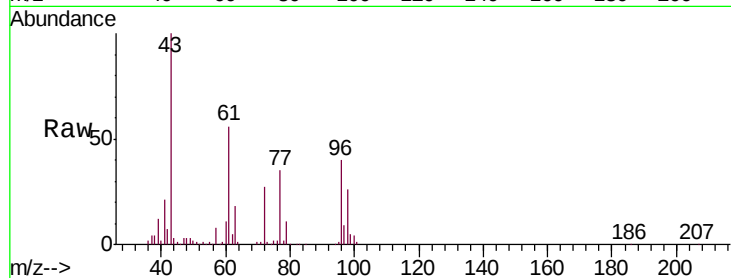
#25
2-Butanone
Concen: 249.19 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 895434
Ion Ratio Lower Upper
43 100
72 26.8 21.5 32.3

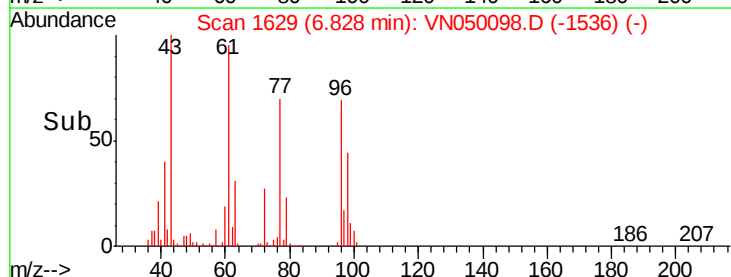
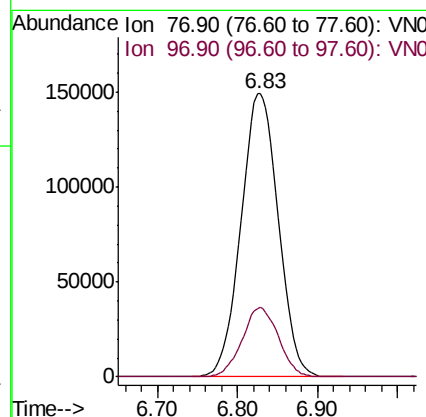
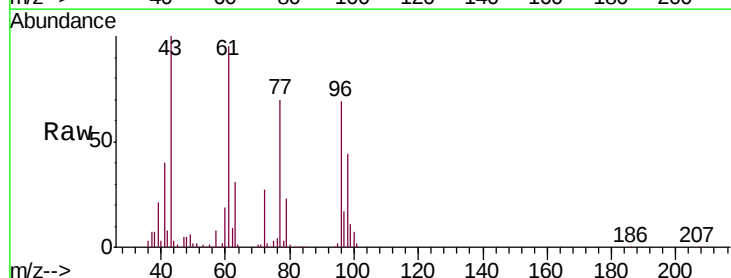
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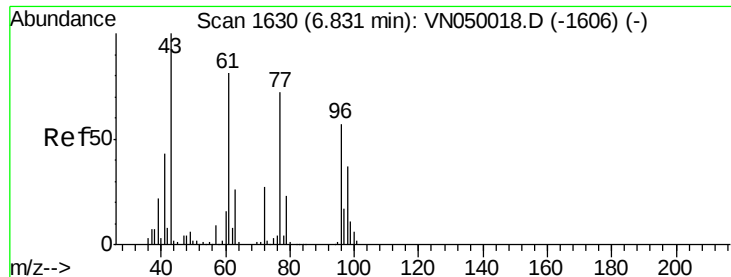
MMDadoda
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#26
2,2-Dichloropropane
Concen: 39.55 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion: 77 Resp: 470778
Ion Ratio Lower Upper
77 100
97 23.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 49.29 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

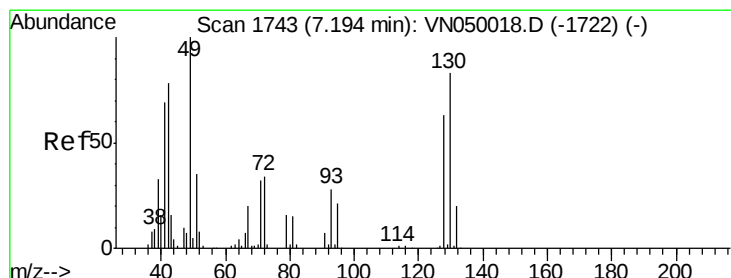
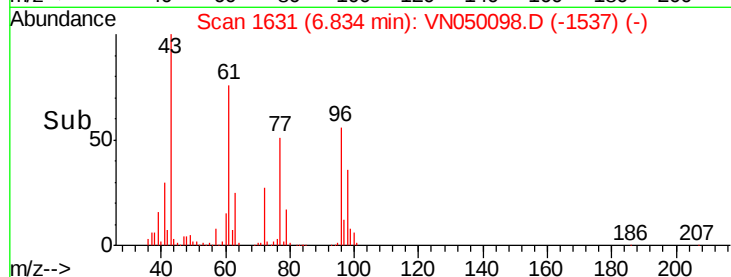
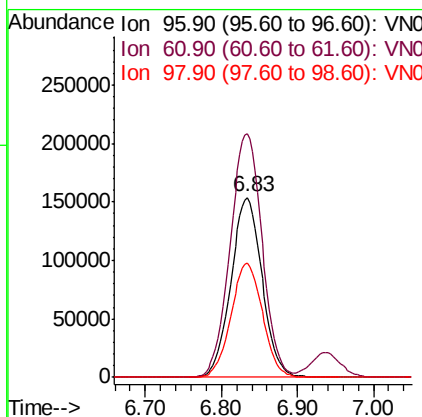
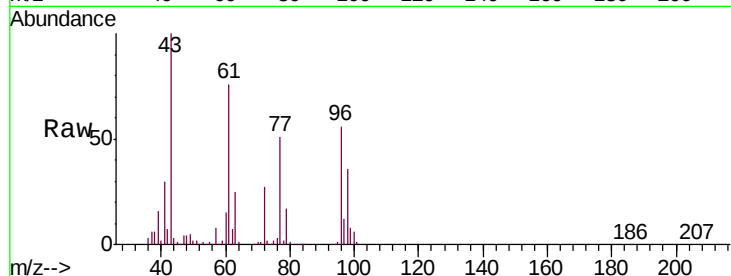
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	437508
Ion Ratio	Lower	Upper	
96	100		
61	139.2	0.0	285.0
98	64.4	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 48.44 ug/l

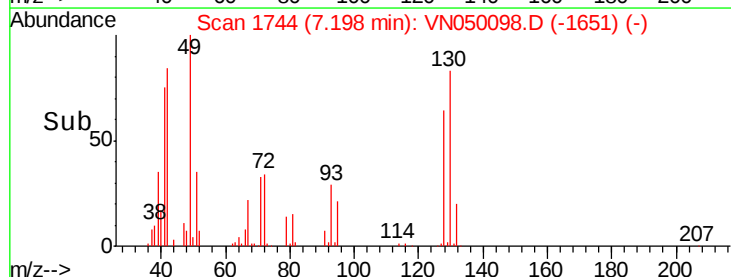
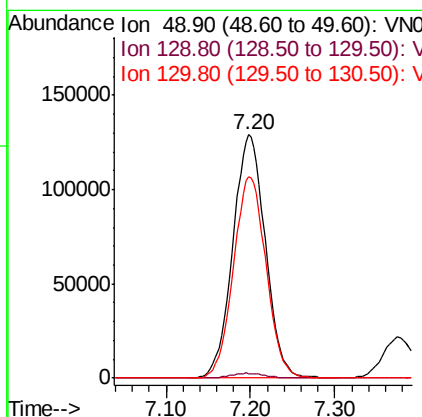
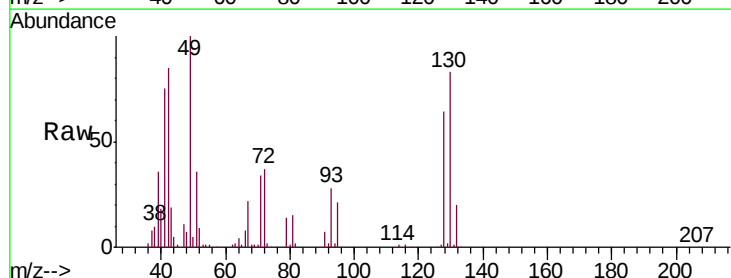
RT: 7.20 min Scan# 1744

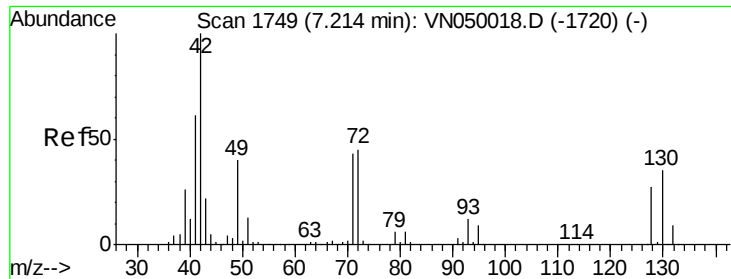
Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Tgt Ion:	49	Resp:	345714
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.0
130	83.3	66.3	99.5





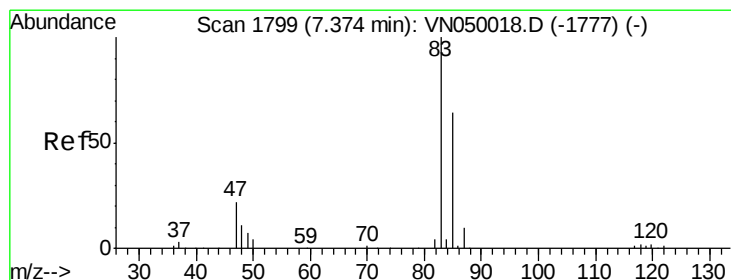
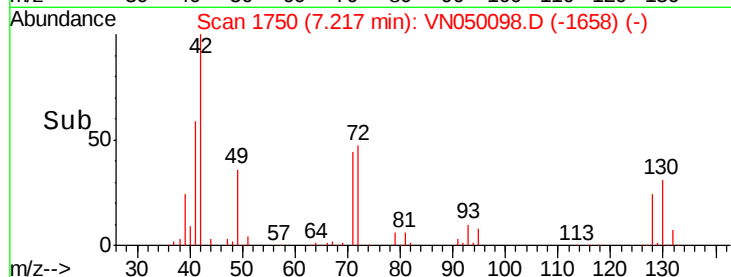
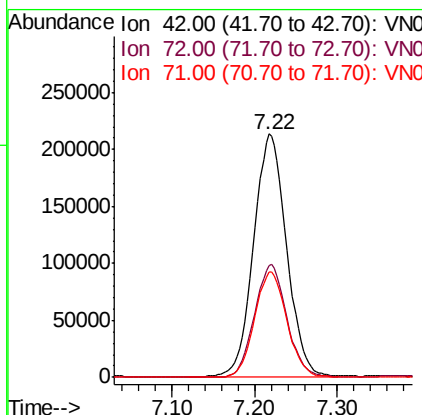
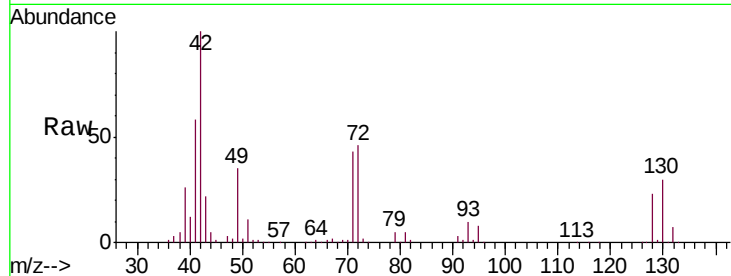
#29
Tetrahydrofuran
Concen: 254.01 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	35.9	53.9
71	42.8	33.7	50.5

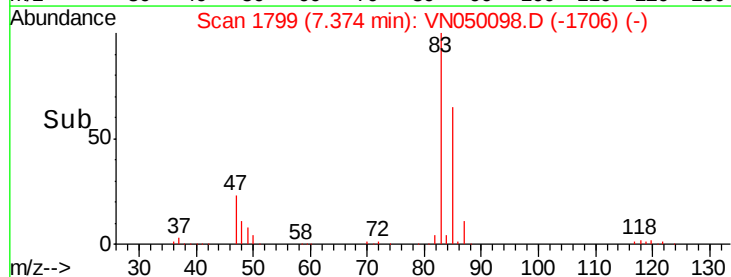
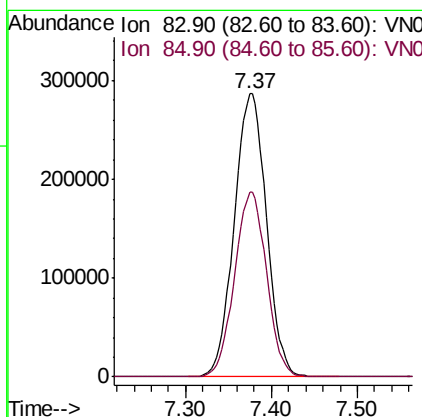
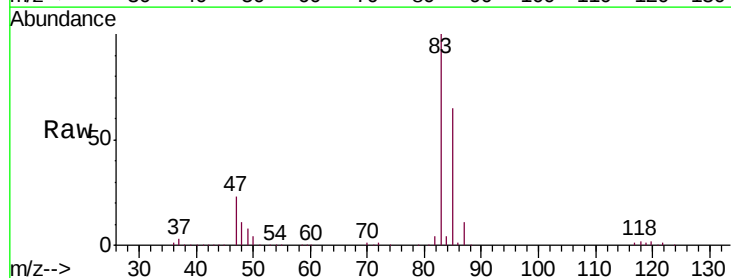
Manual Integrations
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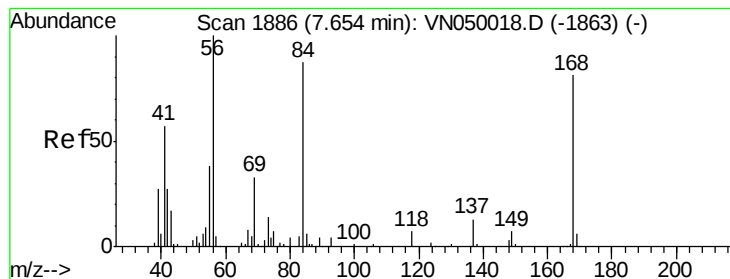
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#30
Chloroform
Concen: 46.74 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.5	78.7





#31

Cyclohexane

Concen: 47.79 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

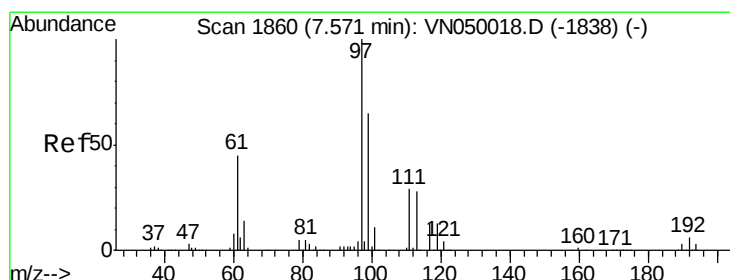
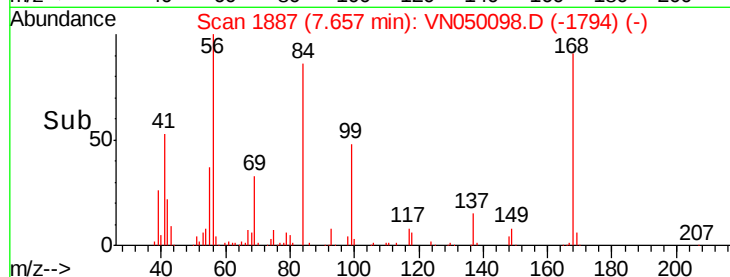
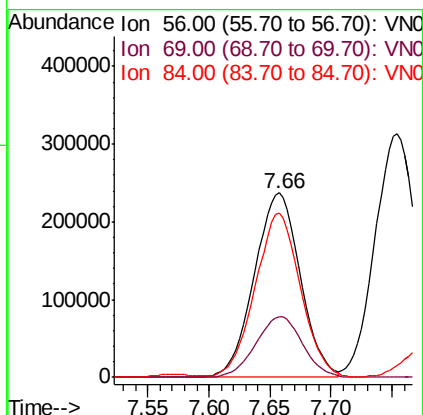
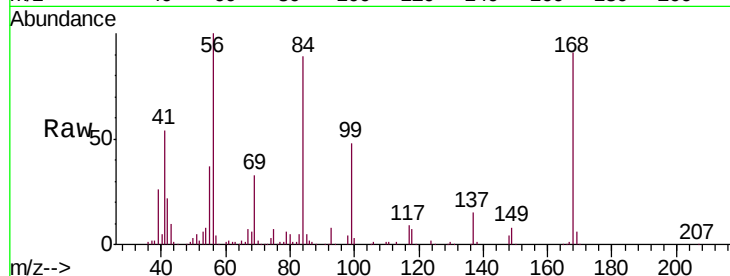
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	620184
Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.2	39.4
84	87.6	67.4	101.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.83 ug/l

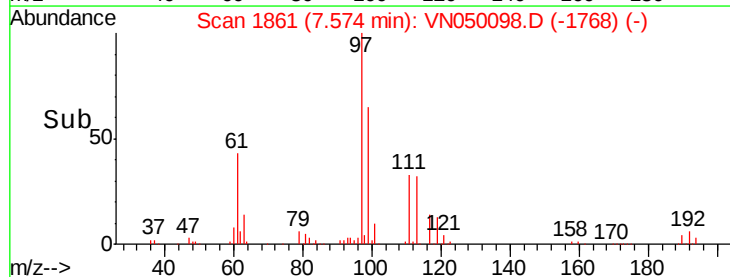
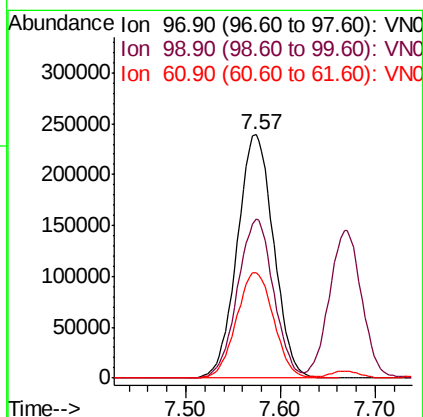
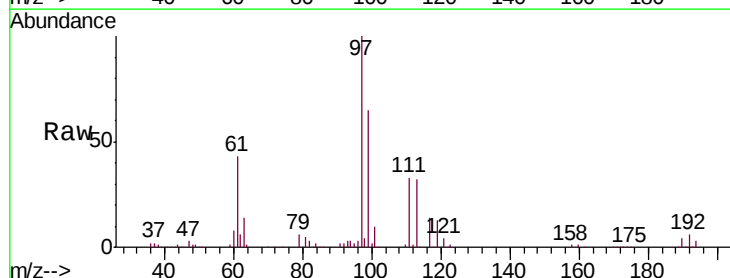
RT: 7.57 min Scan# 1861

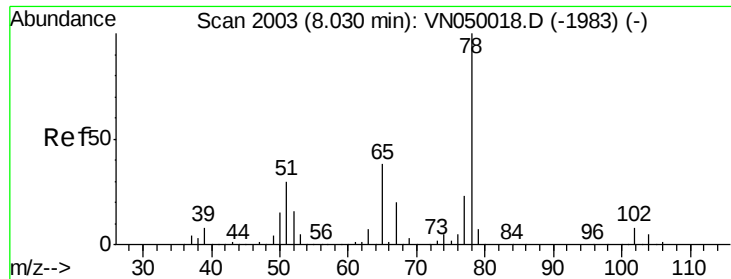
Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Tgt Ion:	97	Resp:	639583
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	44.3	35.4	53.0





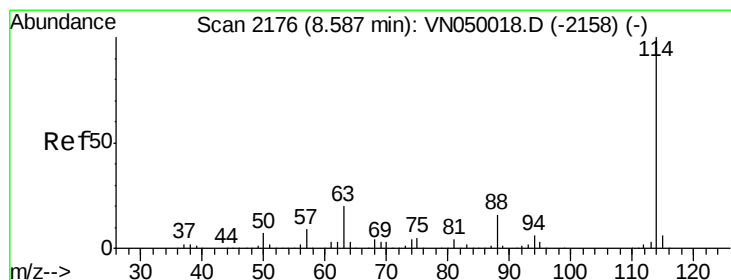
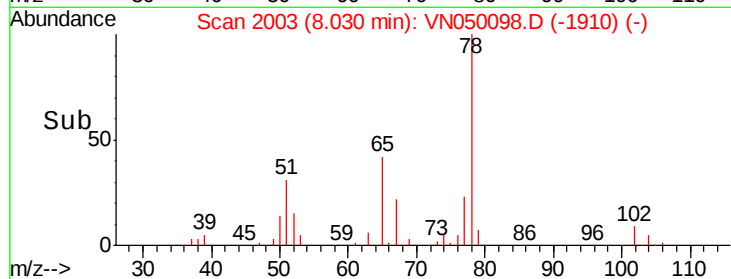
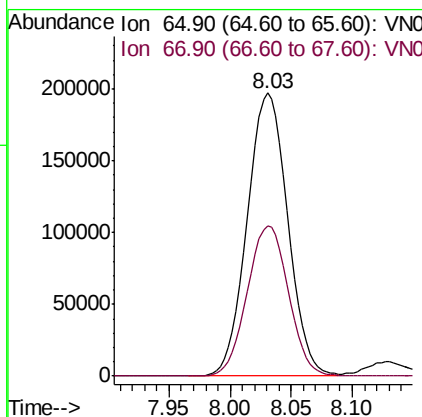
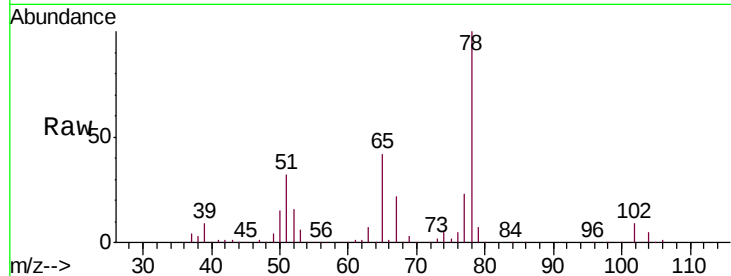
#33
 1,2-Dichloroethane-d4
 Concen: 48.12 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050098.D
 Acq: 26 Jul 2018 22:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 453310
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.4

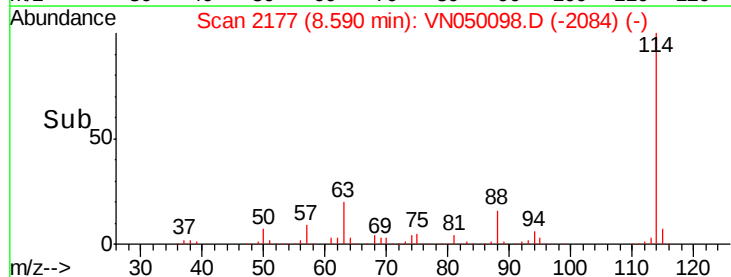
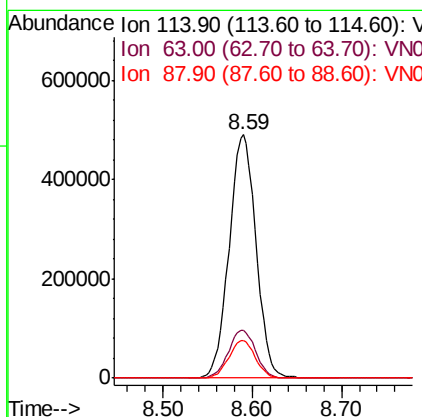
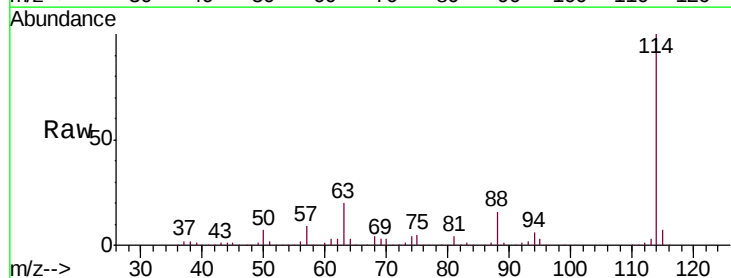
Manual Integrations
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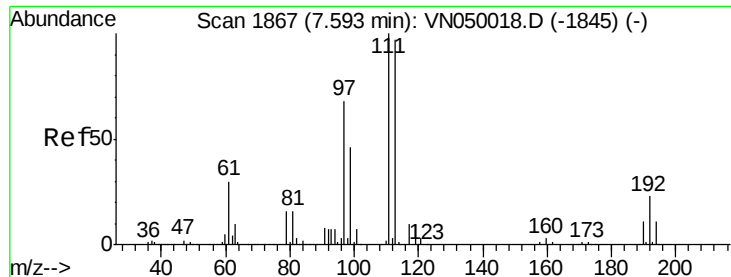
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050098.D
 Acq: 26 Jul 2018 22:16

Tgt Ion: 114 Resp: 1021547
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 47.91 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

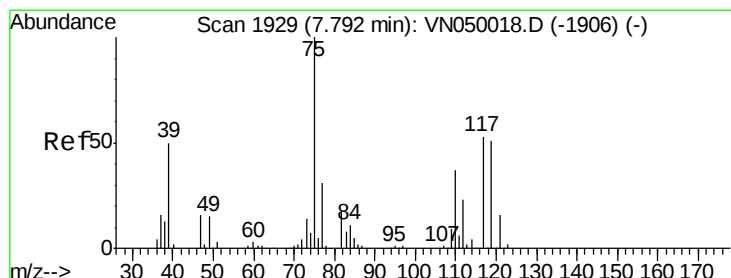
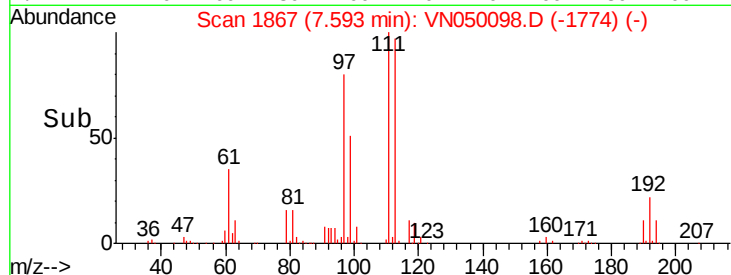
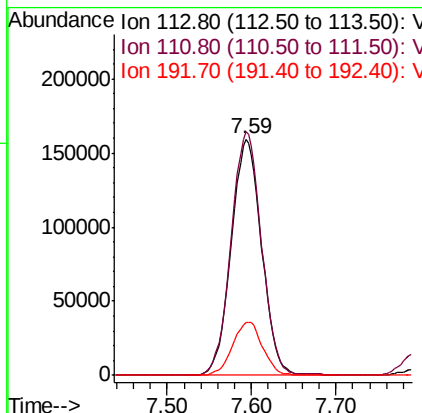
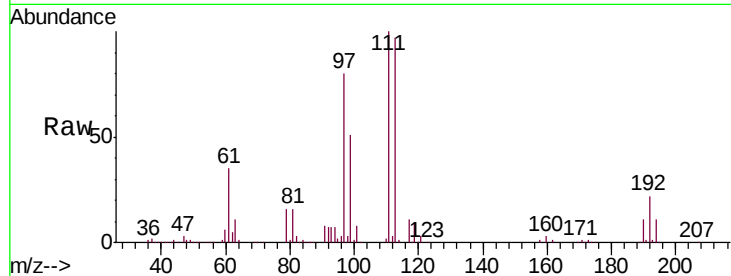
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	399569
Ion	Ratio	Lower	Upper
113	100		
111	103.5	80.7	121.1
192	22.4	17.8	26.6

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#36

1,1-Dichloropropene

Concen: 48.51 ug/l

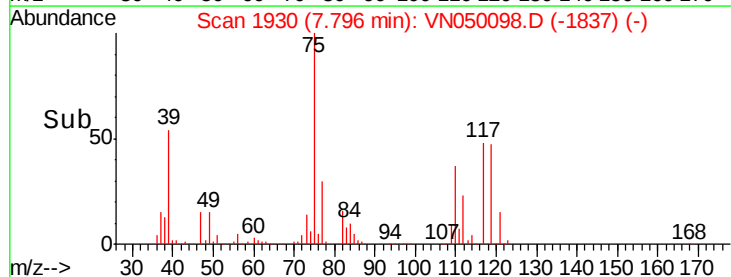
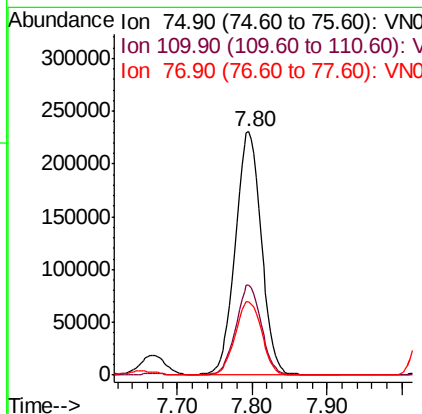
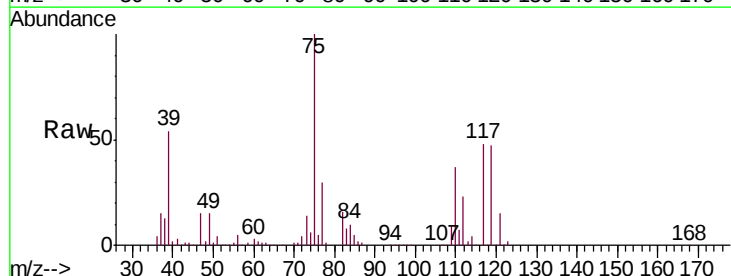
RT: 7.80 min Scan# 1930

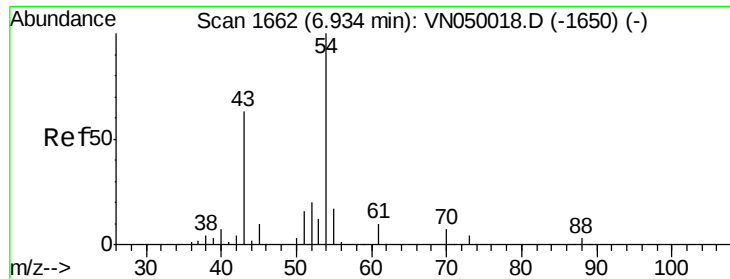
Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Tgt Ion:	75	Resp:	558282
Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.4	55.2
77	30.9	25.3	37.9





#37

Ethyl Acetate

Concen: 49.49 ug/l

RT: 6.94 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

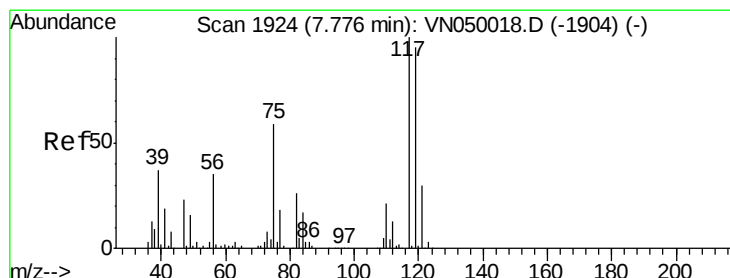
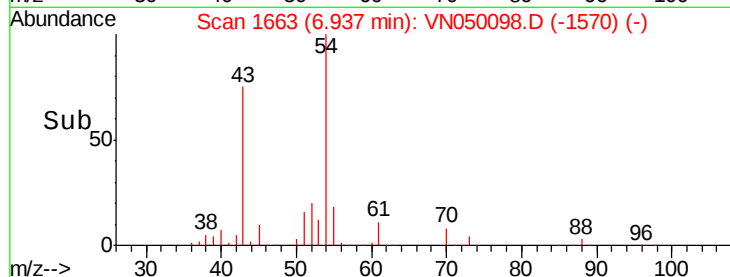
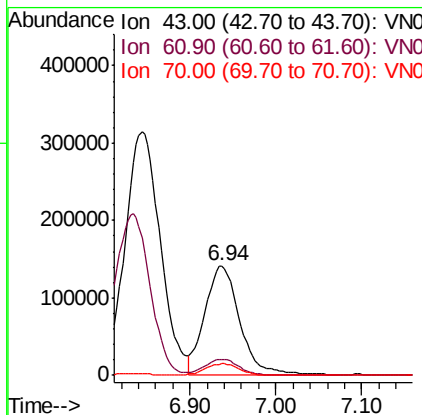
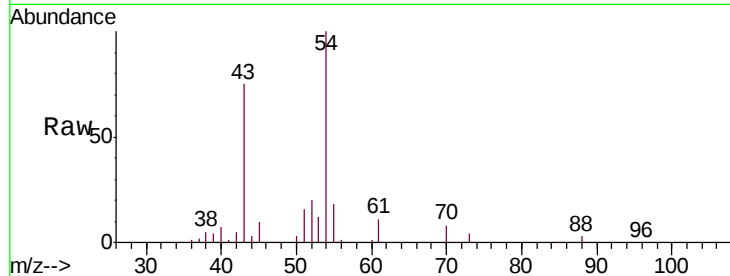
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	397128
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.8
70	10.4	8.4	12.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 45.73 ug/l

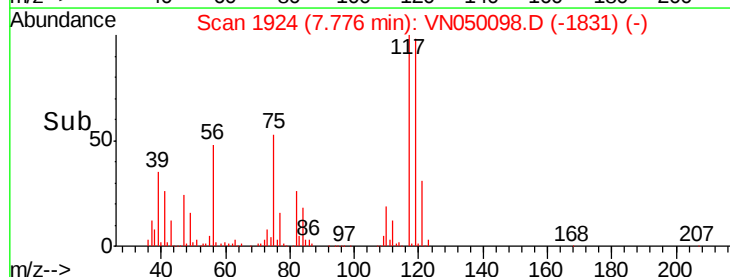
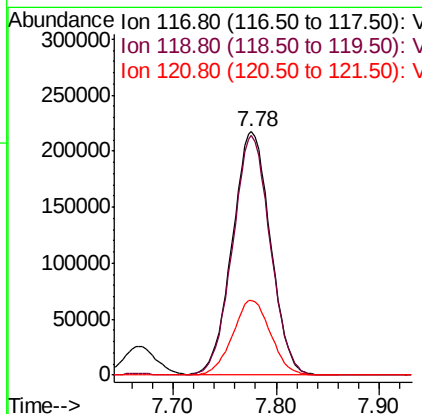
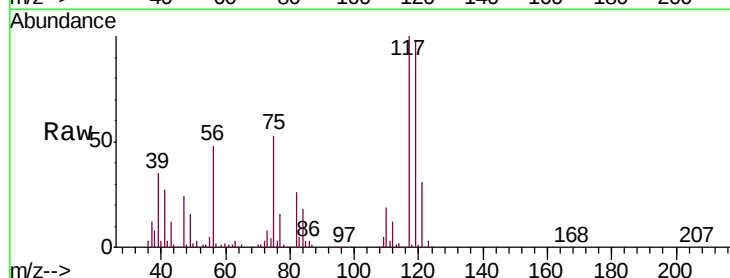
RT: 7.78 min Scan# 1924

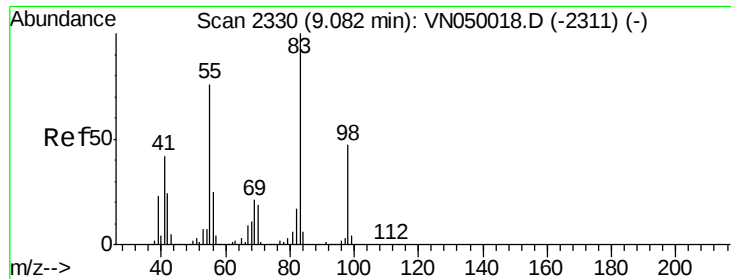
Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Tgt Ion:	117	Resp:	558514
Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.4	116.0
121	30.8	23.9	35.9





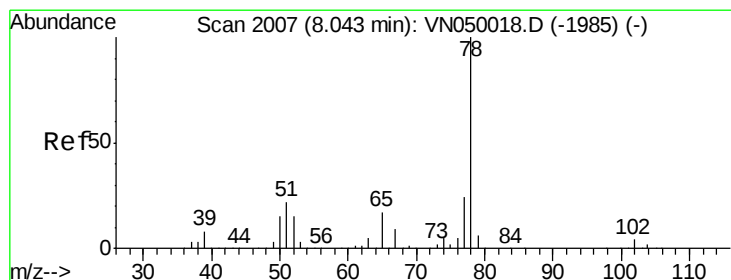
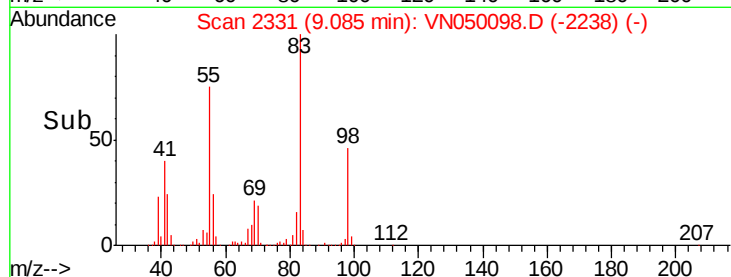
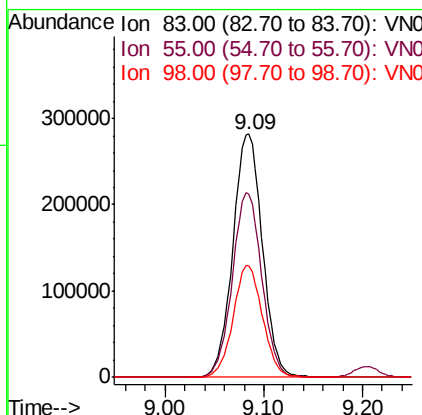
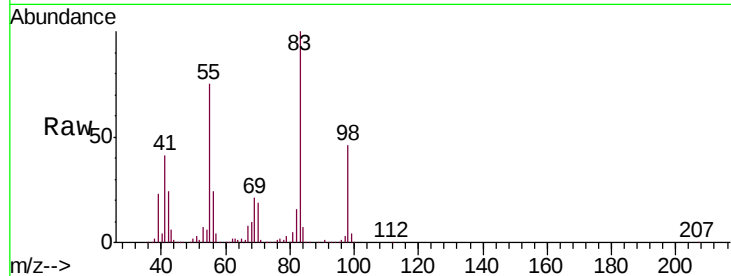
#39
Methvlcvclohexane
Concen: 49.51 ug/l
RT: 9.09 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	61.8	92.8
98	45.8	36.5	54.7

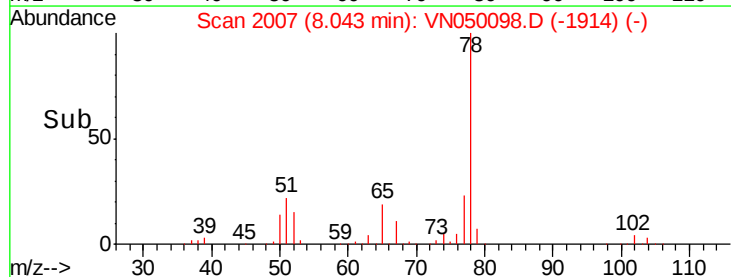
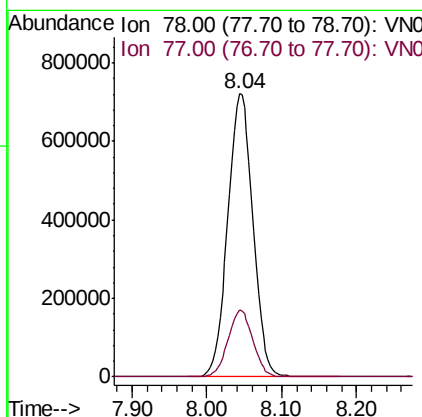
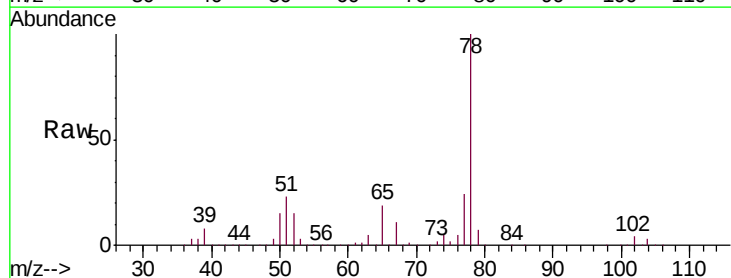
Manual Integrations
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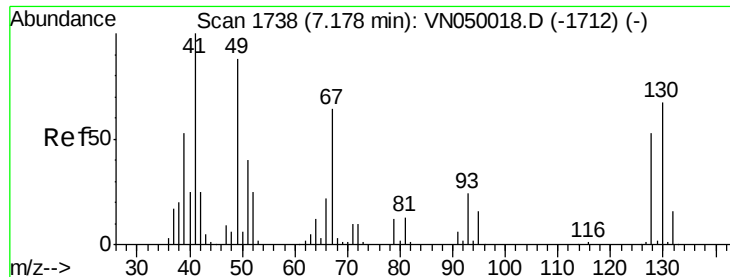
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#40
Benzene
Concen: 48.06 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.7	28.1





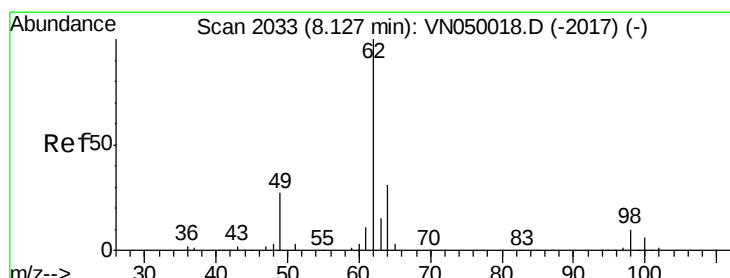
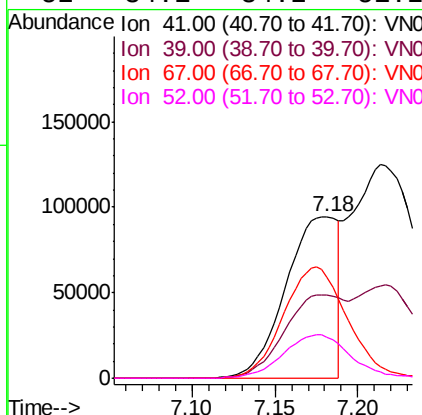
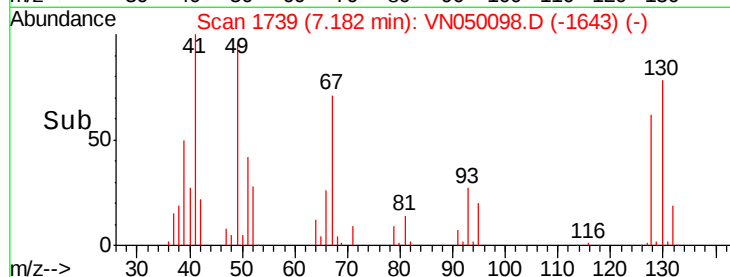
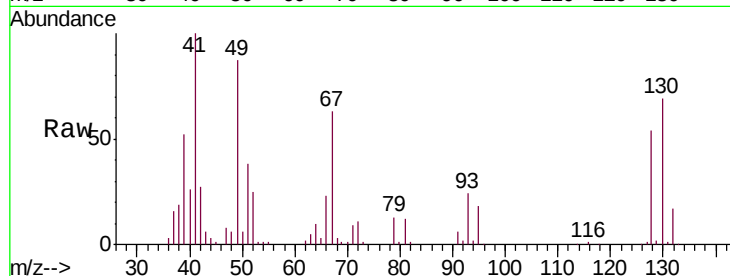
#41
Methacrylonitrile
Concen: 49.24 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.7	55.8	83.6
67	85.6	84.3	126.5
52	34.1	34.2	51.2#

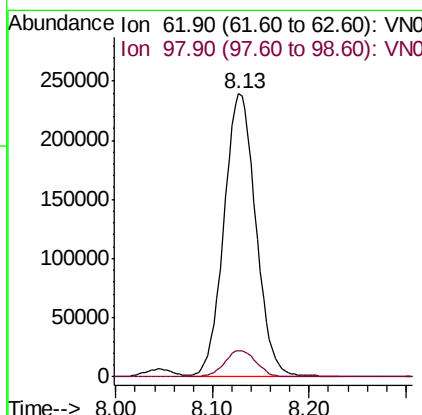
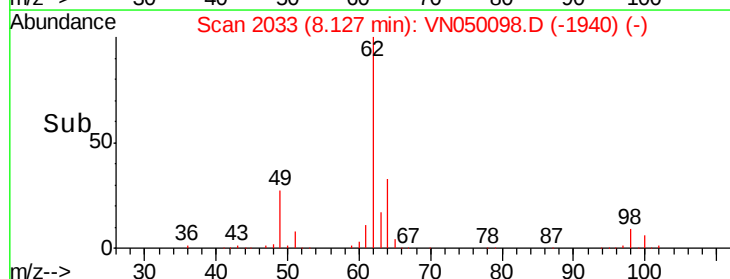
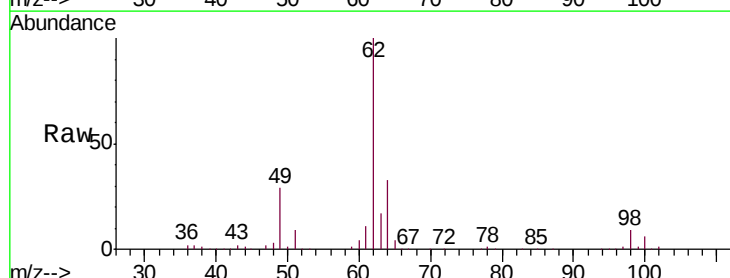
Manual Integrations
APPROVED

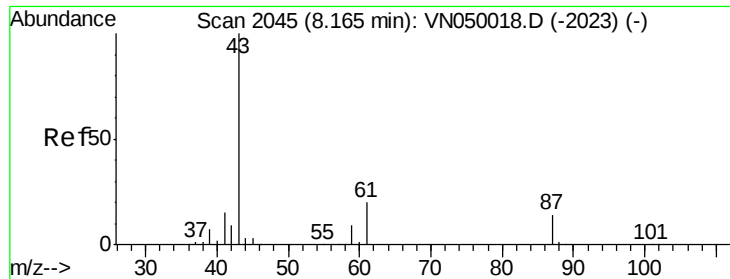
MMDadoda
7/27/2018 12:16:18 PM



#42
1,2-Dichloroethane
Concen: 46.67 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.8





#43

Isopropyl Acetate

Concen: 52.81 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

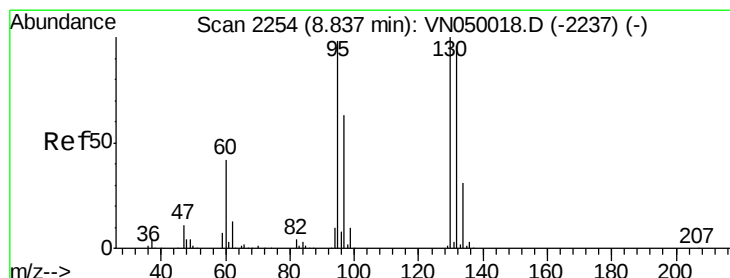
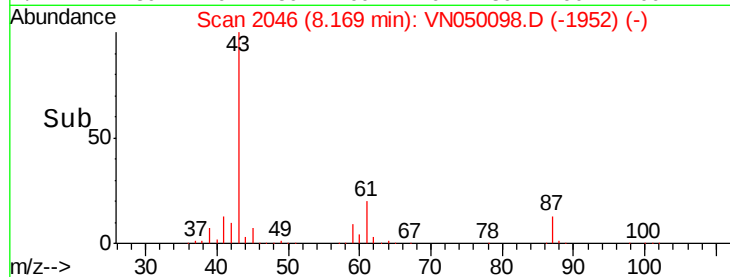
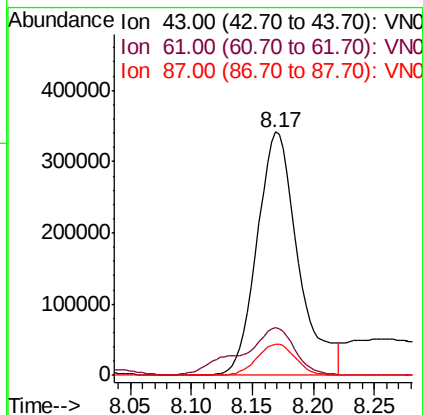
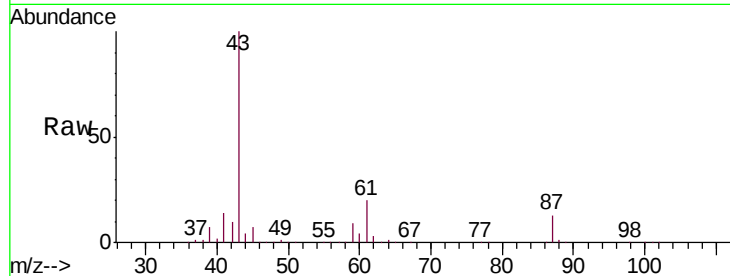
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	797615
Ion	Ratio	Lower	Upper
43	100		
61	25.0	15.8	23.6#
87	12.1	10.3	15.5

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#44

Trichloroethene

Concen: 45.99 ug/l

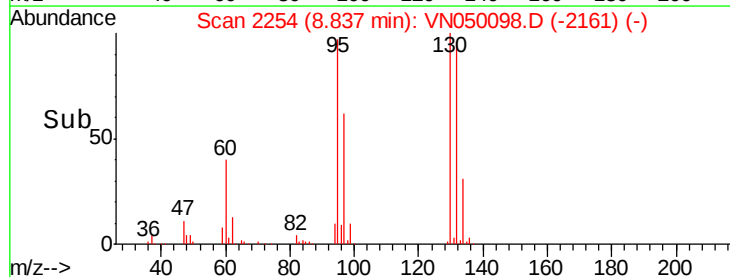
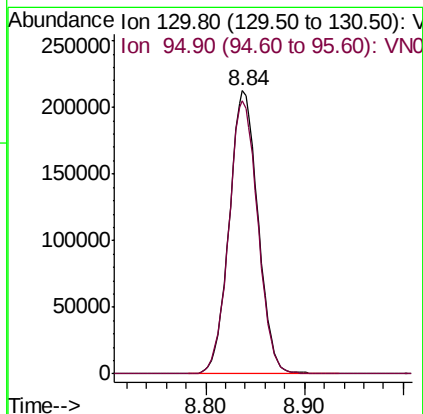
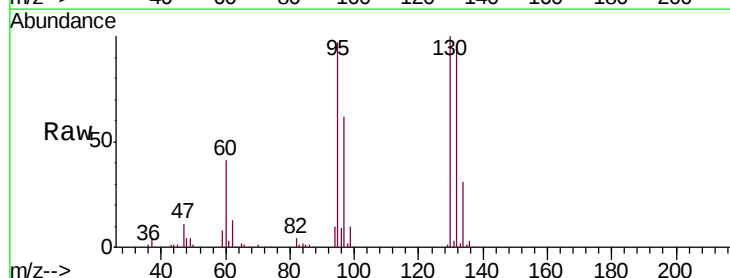
RT: 8.84 min Scan# 2254

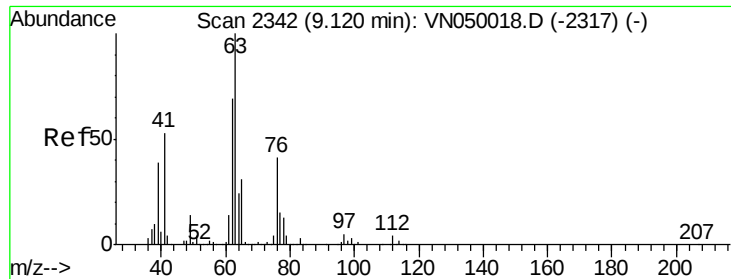
Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Tgt Ion:	130	Resp:	432821
Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	194.6





#45

1,2-Dichloropropane

Concen: 47.38 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 439542

Ion Ratio Lower Upper

63 100

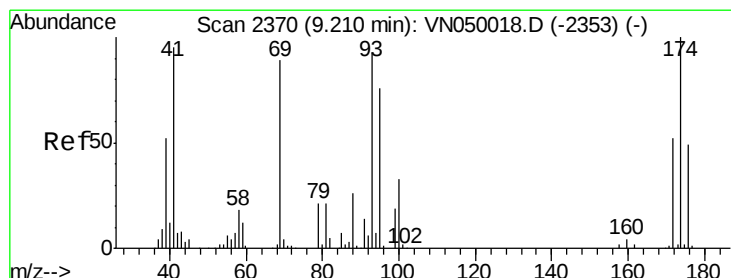
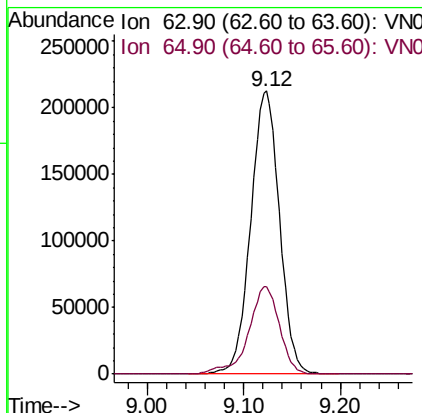
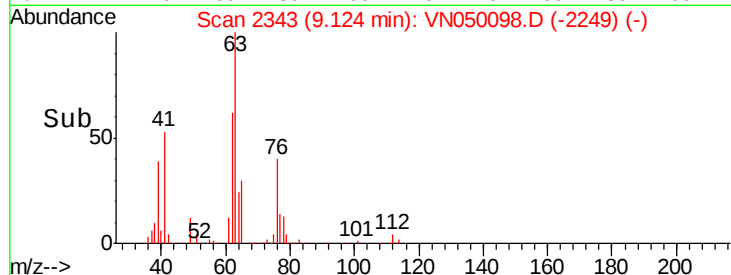
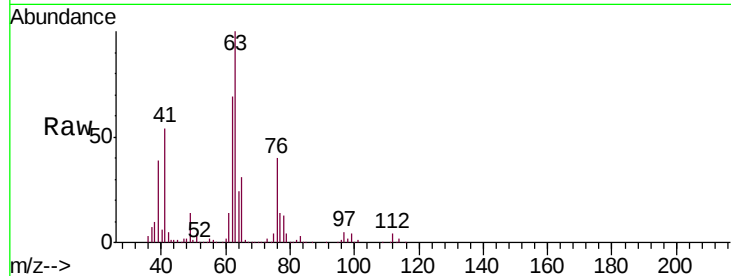
65 31.1 25.5 38.3

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#46

Dibromomethane

Concen: 47.71 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

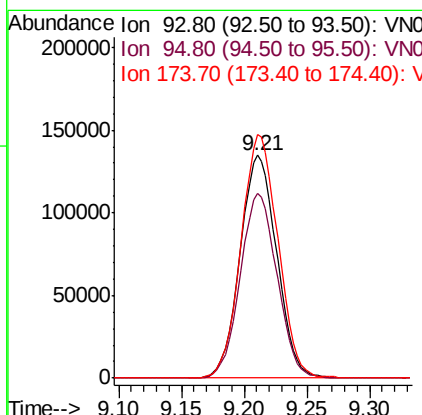
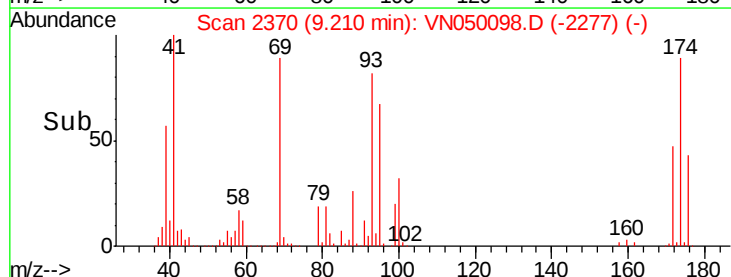
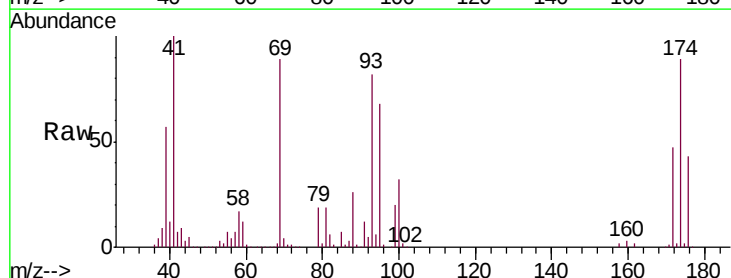
Tgt Ion: 93 Resp: 274778

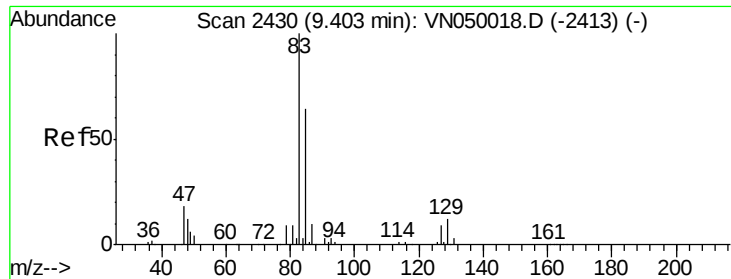
Ion Ratio Lower Upper

93 100

95 83.1 66.6 100.0

174 109.8 87.1 130.7





#47

Bromodichloromethane

Concen: 47.16 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

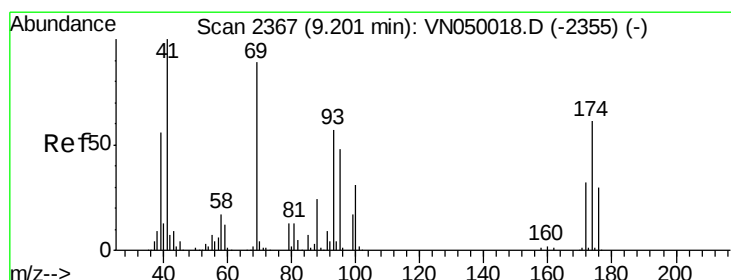
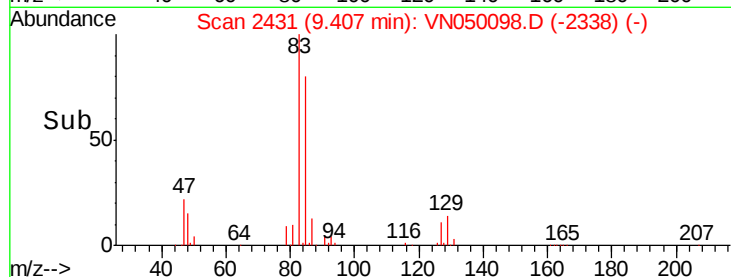
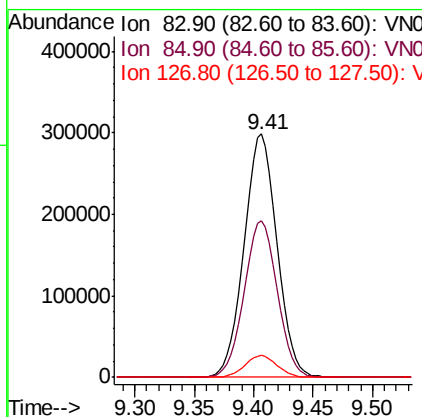
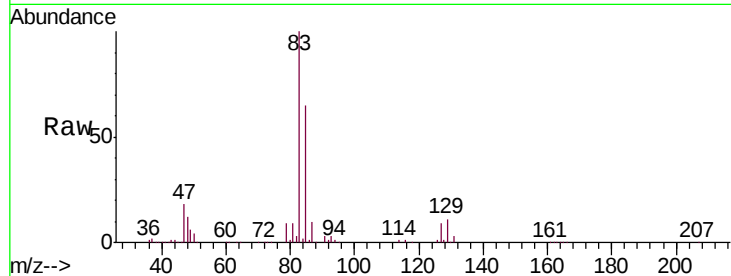
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	573334
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.1	76.7
127	9.0	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.83 ug/l

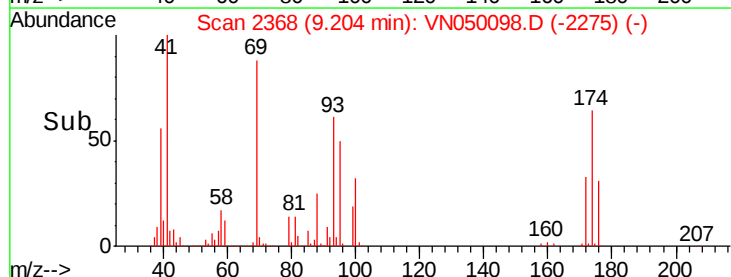
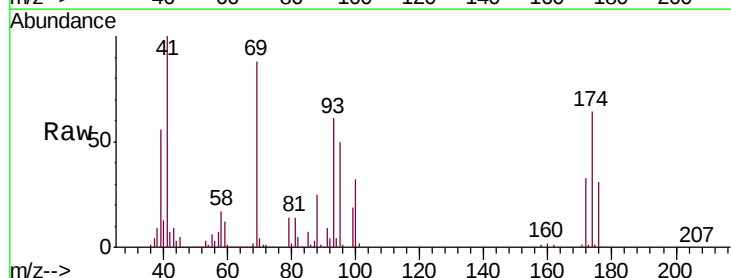
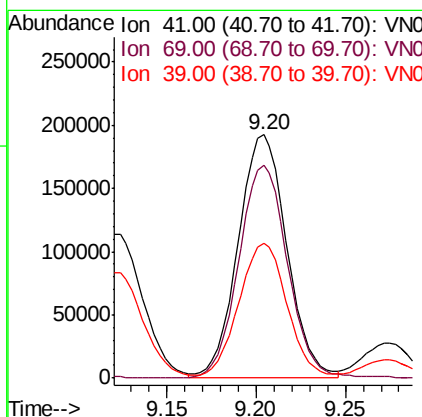
RT: 9.20 min Scan# 2368

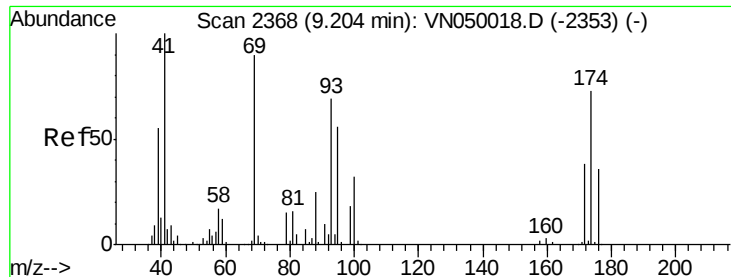
Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Tgt Ion:	41	Resp:	365076
Ion	Ratio	Lower	Upper
41	100		
69	88.5	70.6	105.8
39	55.3	43.9	65.9





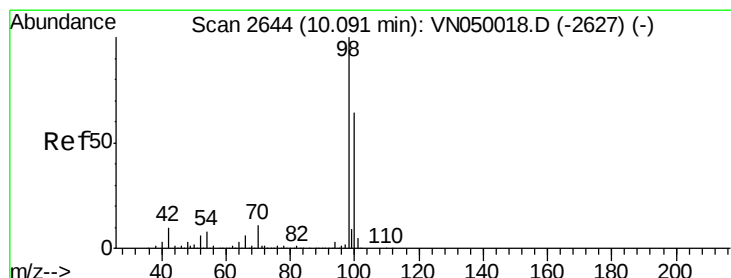
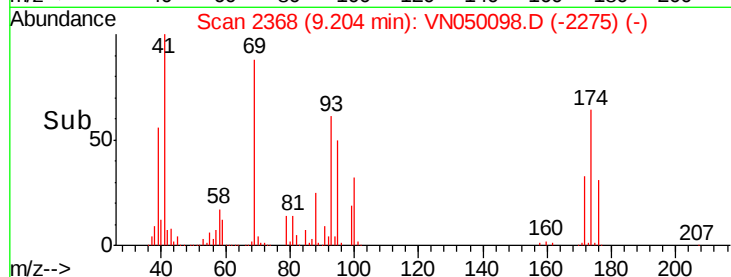
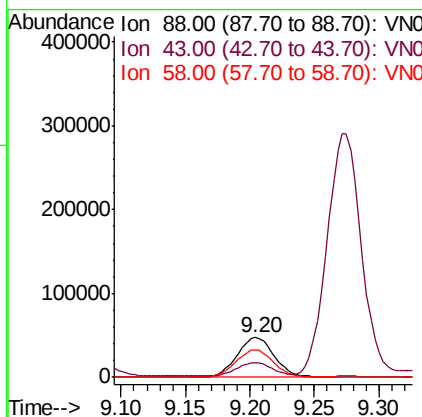
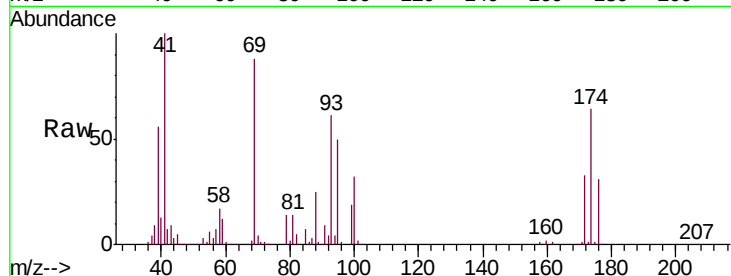
#49
1,4-Dioxane
Concen: 1032.81 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.9	40.3
58	69.4	57.3	85.9

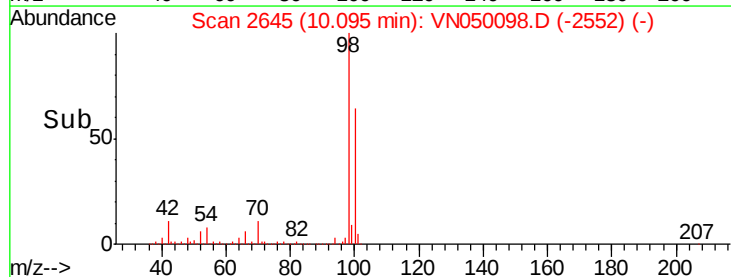
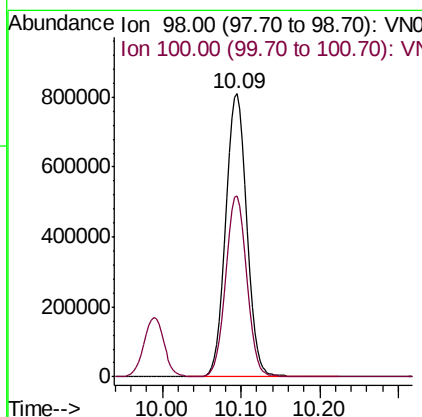
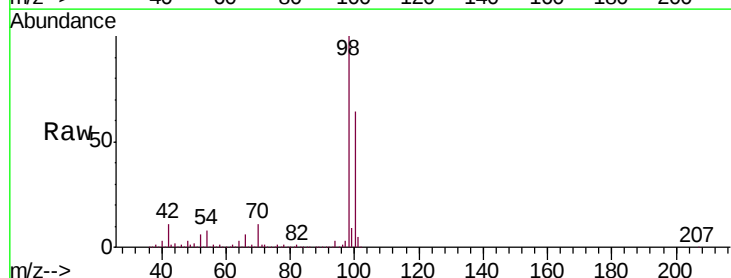
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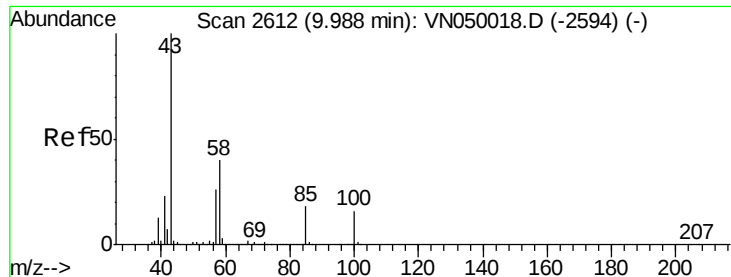
MMDadoda
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#50
Toluene-d8
Concen: 48.88 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 261.04 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2059163

Ion Ratio Lower Upper

43 100

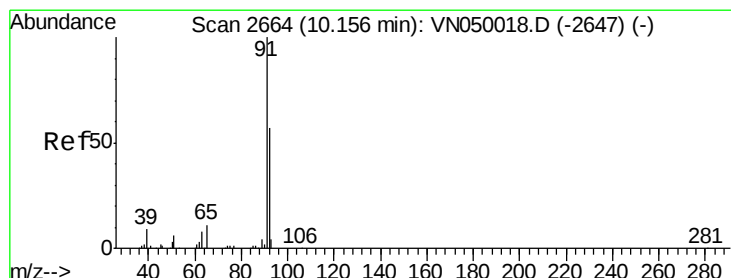
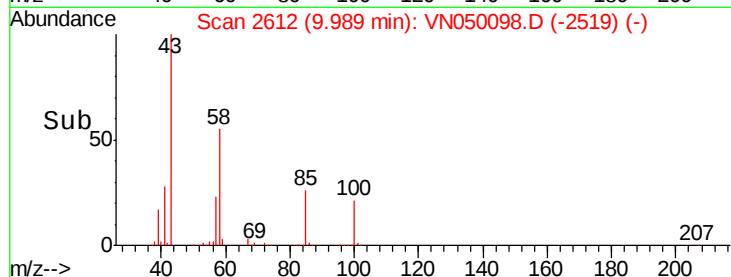
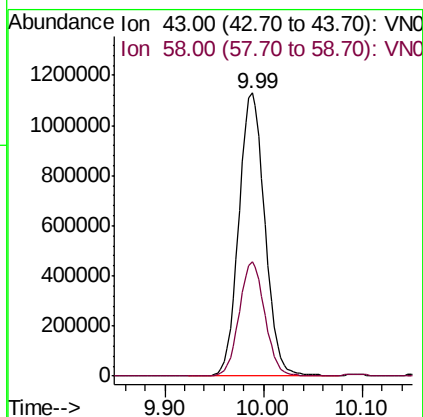
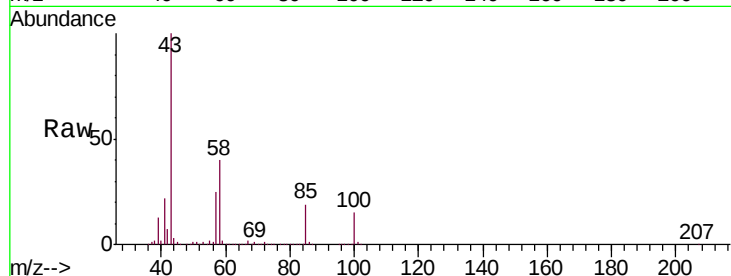
58 39.9 31.9 47.9

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#52

Toluene

Concen: 50.13 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050098.D

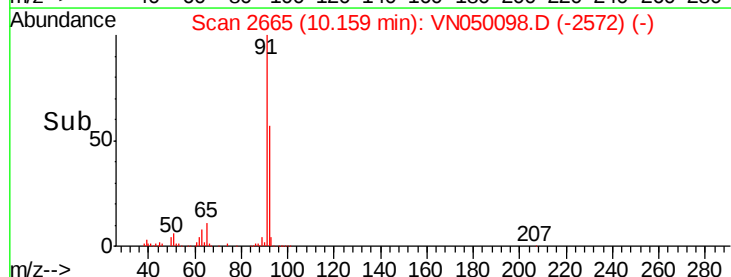
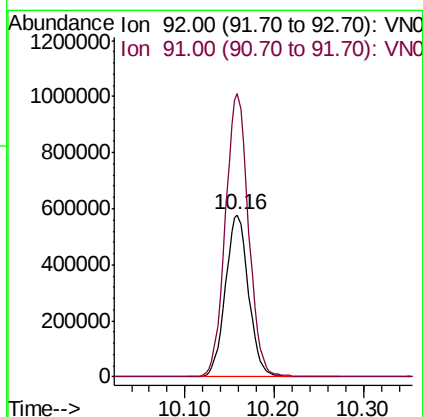
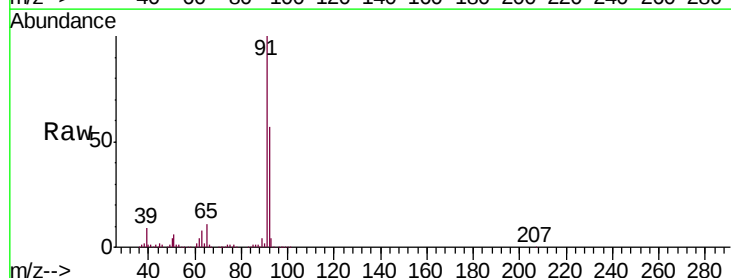
Acq: 26 Jul 2018 22:16

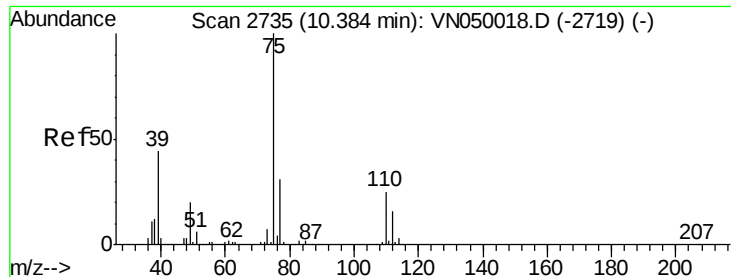
Tgt Ion: 92 Resp: 1036346

Ion Ratio Lower Upper

92 100

91 175.8 140.3 210.5





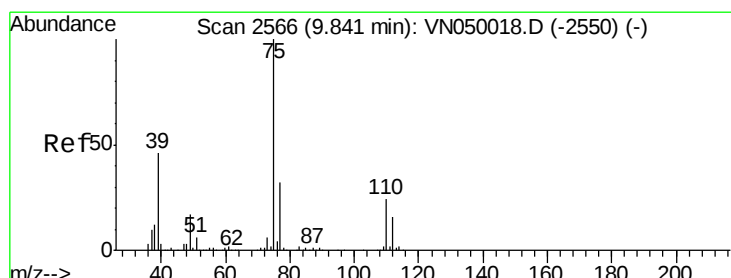
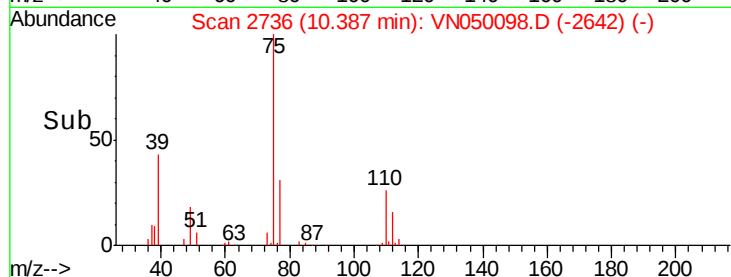
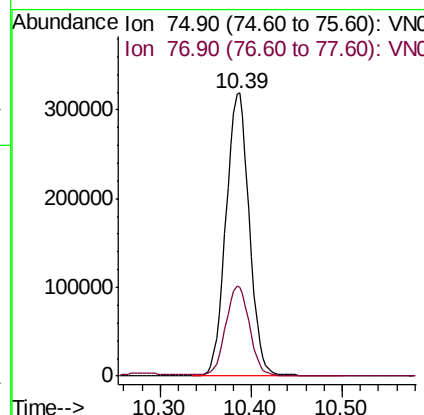
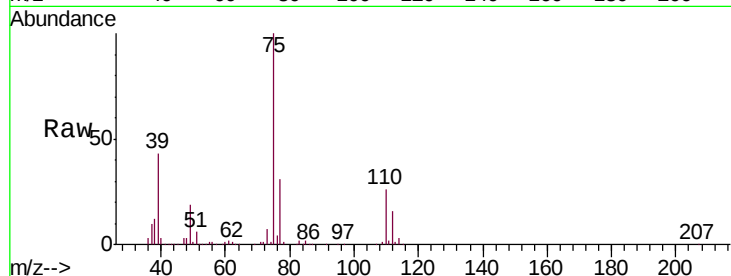
#53
t-1,3-Dichloropropene
Concen: 49.59 ug/l
RT: 10.39 min Scan# 2736
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 568856
Ion Ratio Lower Upper
75 100
77 31.3 24.9 37.3

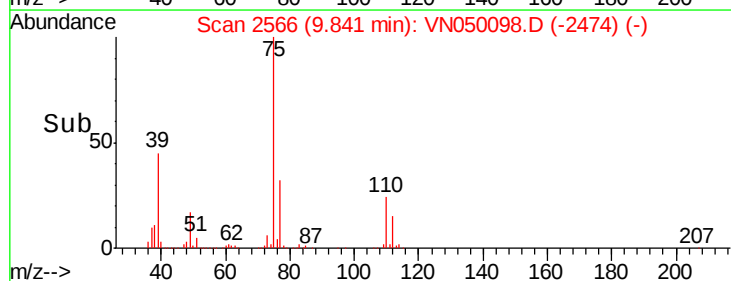
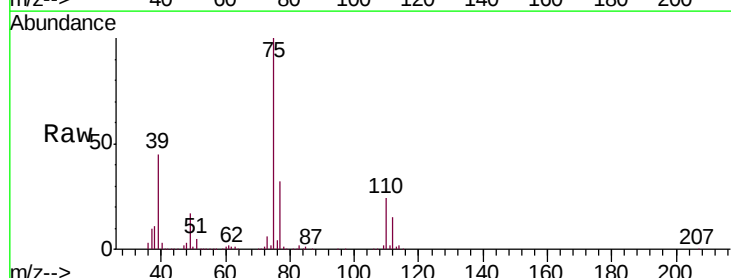
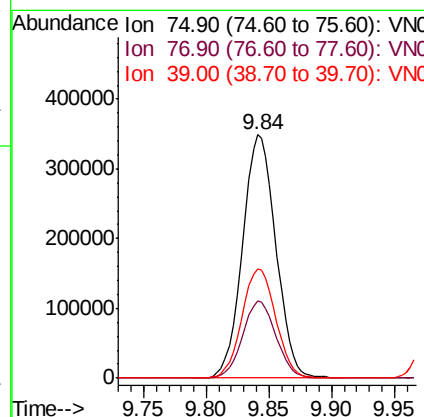
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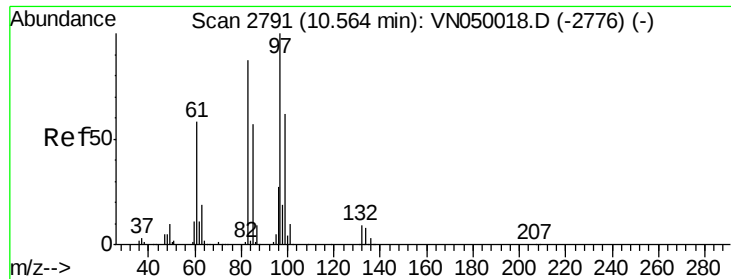
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.10 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion: 75 Resp: 643673
Ion Ratio Lower Upper
75 100
77 31.6 25.5 38.3
39 44.9 36.6 55.0





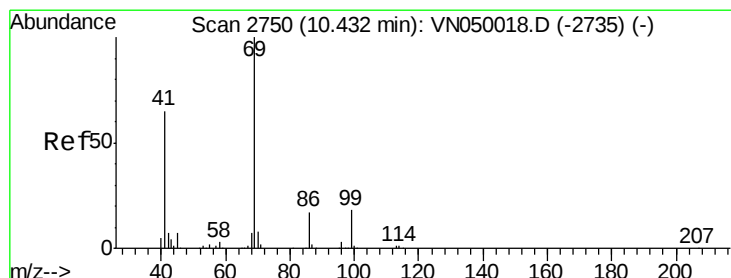
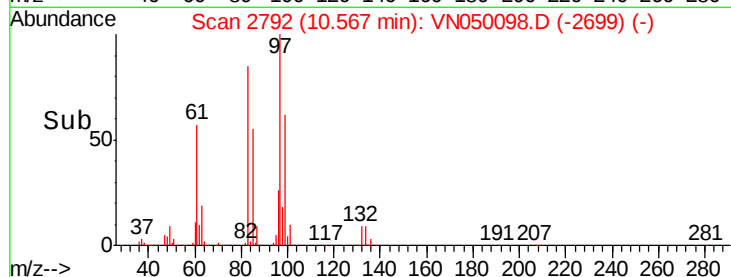
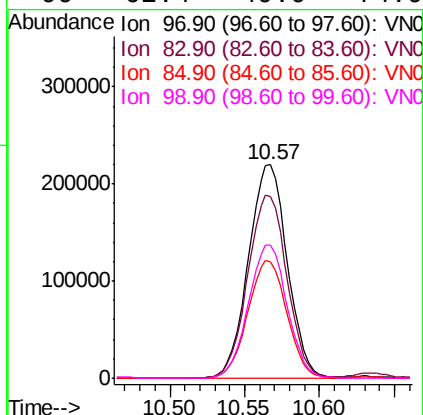
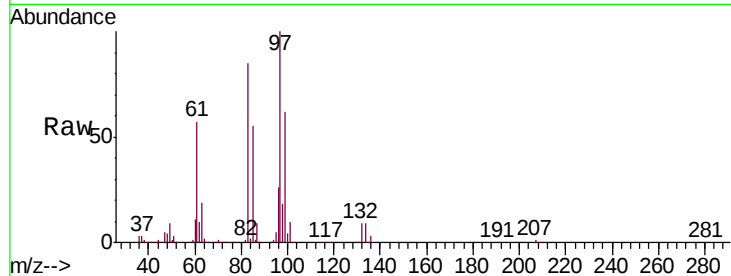
#55
 1,1,2-Trichloroethane
 Concen: 48.46 ug/l
 RT: 10.57 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN050098.D
 Acq: 26 Jul 2018 22:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	397339
Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.2	103.8
85	54.8	44.0	66.0
99	62.4	49.9	74.9

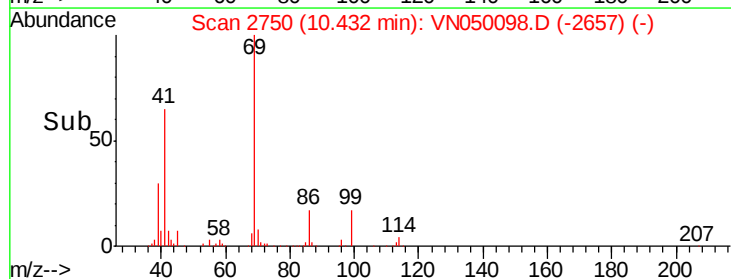
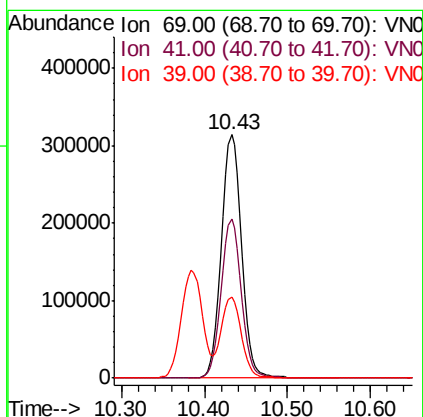
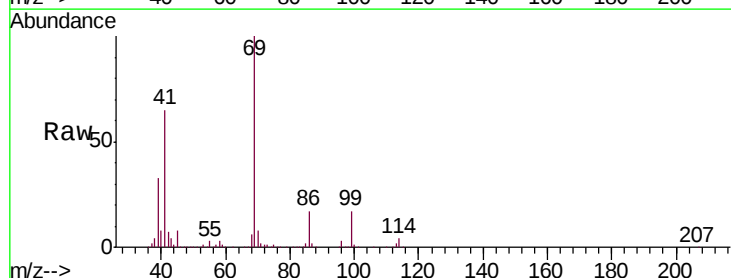
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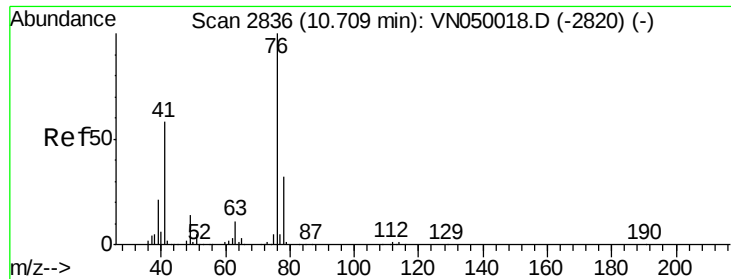
MMDadoda
 7/27/2018 12:16:18 PM



#56
 Ethyl methacrylate
 Concen: 47.59 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050098.D
 Acq: 26 Jul 2018 22:16

Tgt Ion:	69	Resp:	527515
Ion	Ratio	Lower	Upper
69	100		
41	64.4	51.0	76.4
39	33.3	26.6	40.0





#57

1,3-Dichloropropane

Concen: 49.27 ug/l

RT: 10.71 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 657937

Ion Ratio Lower Upper

76 100

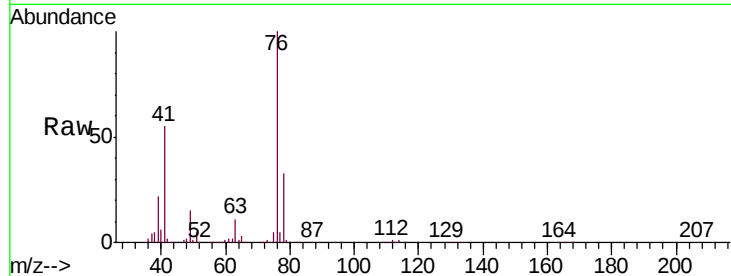
78 32.3 25.7 38.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

400000

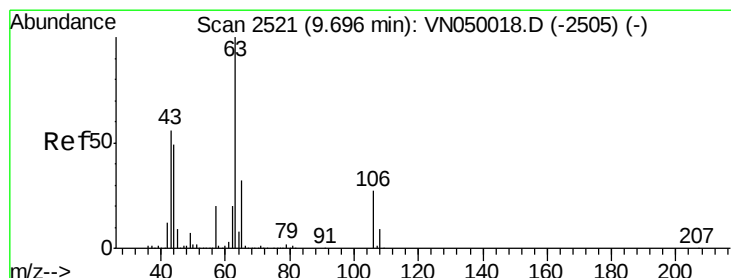
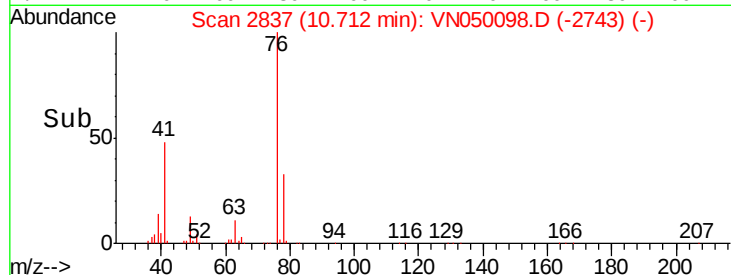
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 233.07 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050098.D

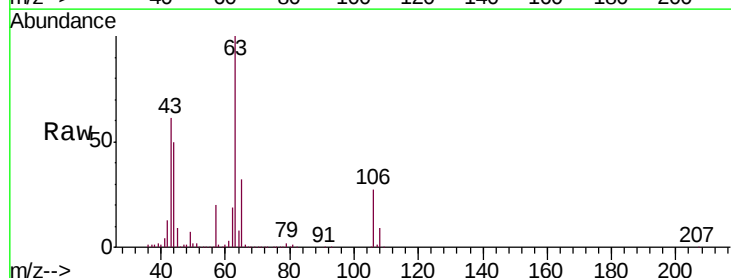
Acq: 26 Jul 2018 22:16

Tgt Ion: 63 Resp: 1206405

Ion Ratio Lower Upper

63 100

106 27.2 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

800000

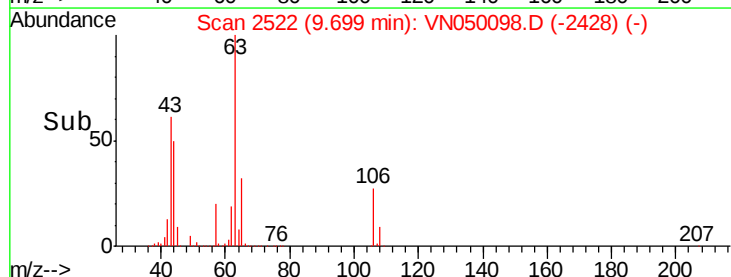
600000

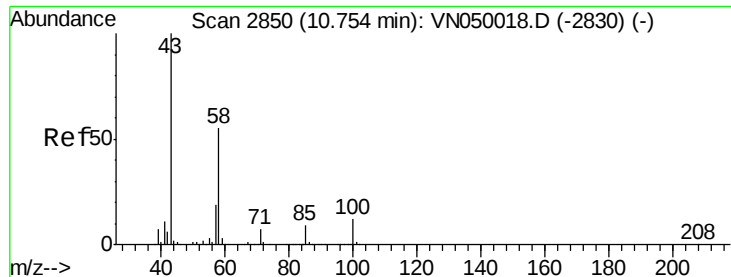
400000

200000

0

Time--> 9.60 9.70 9.80





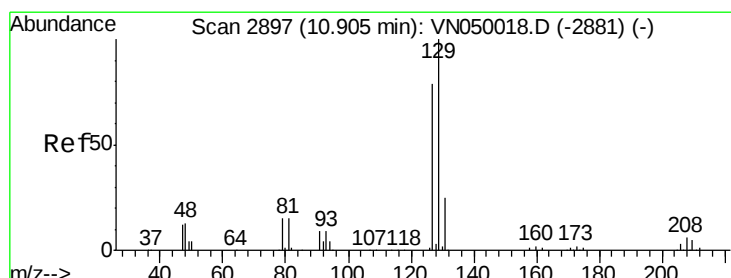
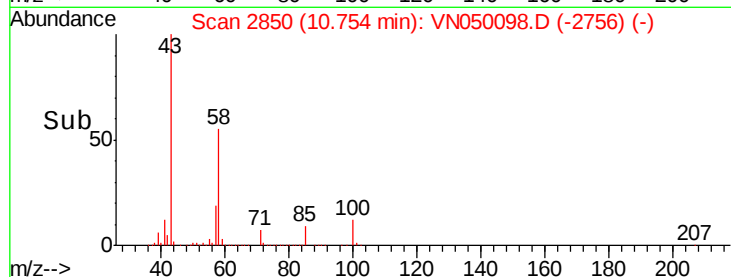
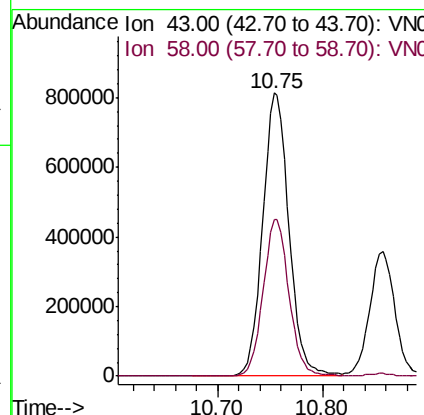
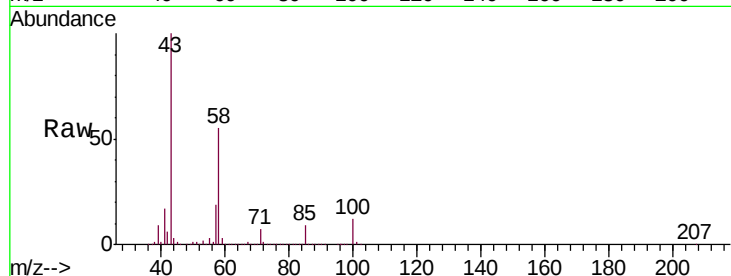
#59
2-Hexanone
Concen: 243.03 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1407811
Ion Ratio Lower Upper
43 100
58 55.0 27.6 82.7

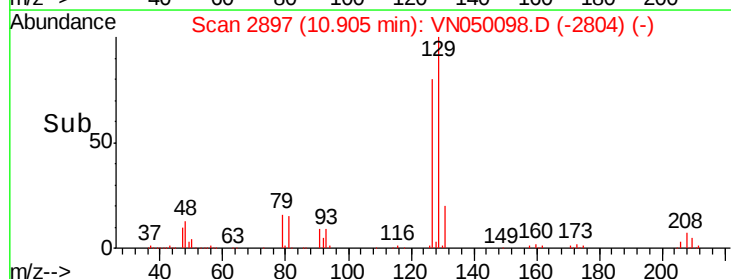
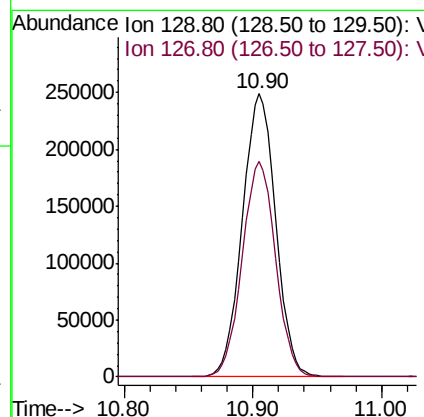
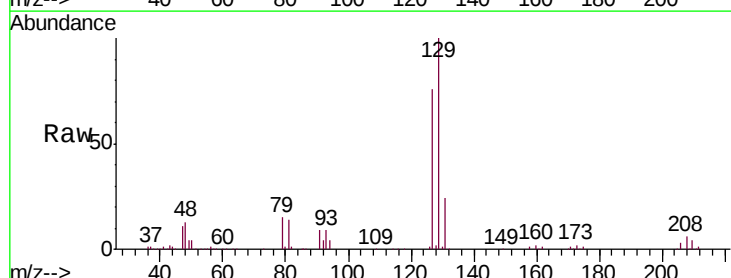
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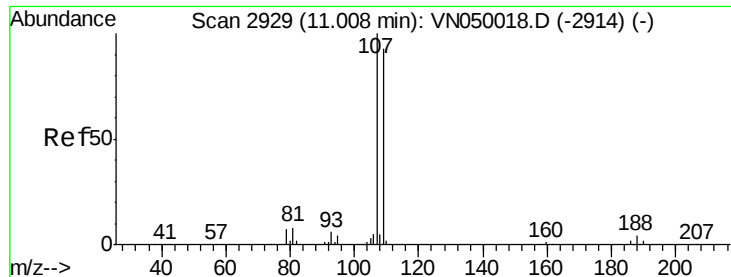
MMDadoda
7/27/2018 12:16:18 PM



#60
Dibromochloromethane
Concen: 49.32 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion: 129 Resp: 447723
Ion Ratio Lower Upper
129 100
127 76.1 38.0 113.9





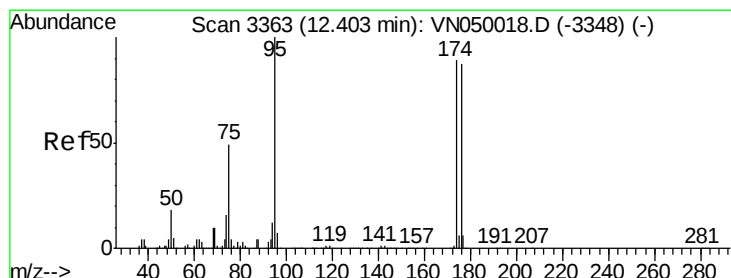
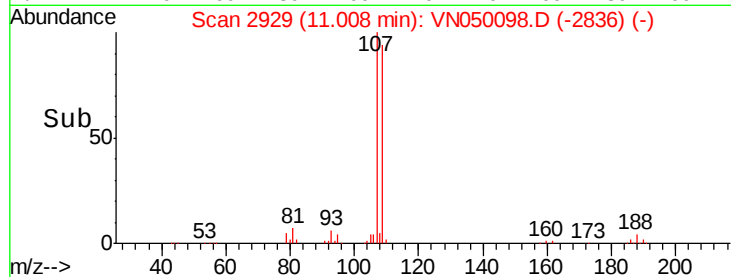
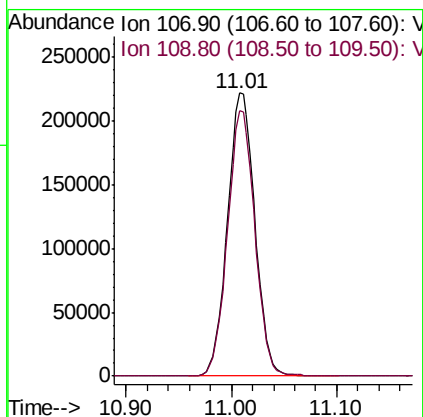
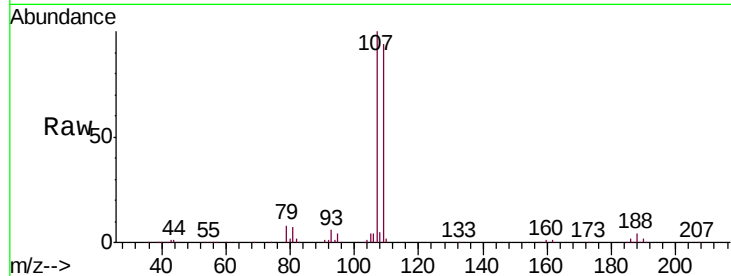
#61
 1,2-Dibromoethane
 Concen: 48.96 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050098.D
 Acq: 26 Jul 2018 22:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	74.6	112.0

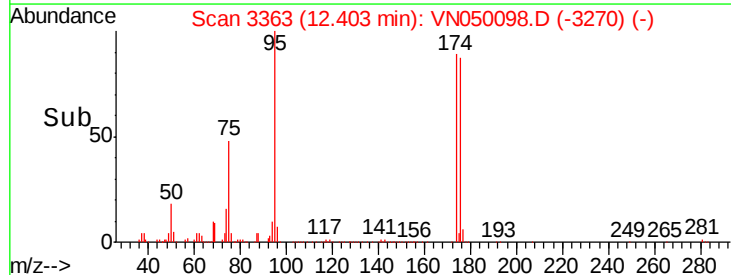
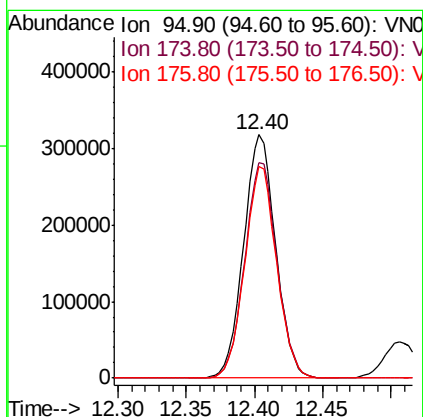
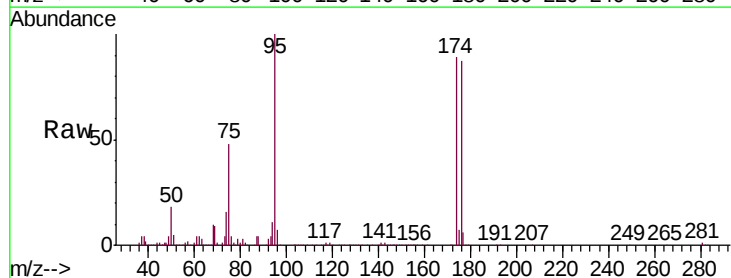
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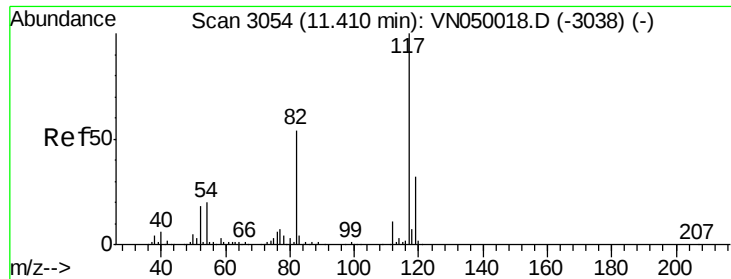
MMDadoda
 7/27/2018 12:16:18 PM



#62
 4-Bromofluorobenzene
 Concen: 51.22 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050098.D
 Acq: 26 Jul 2018 22:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	178.2
176	86.6	0.0	173.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

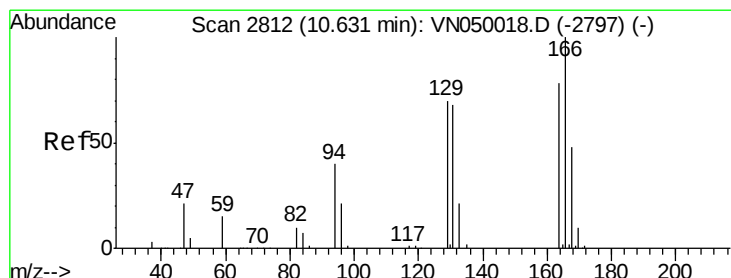
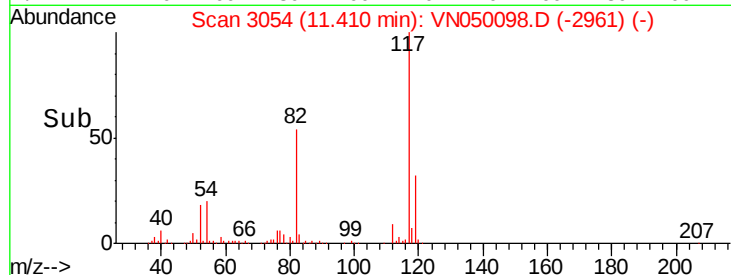
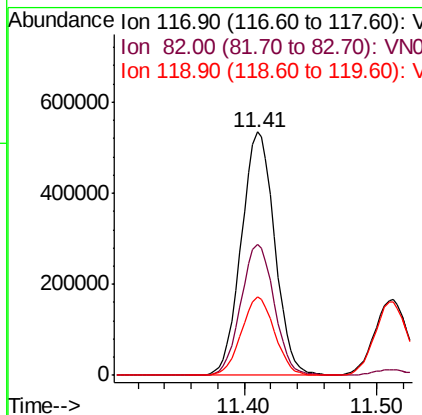
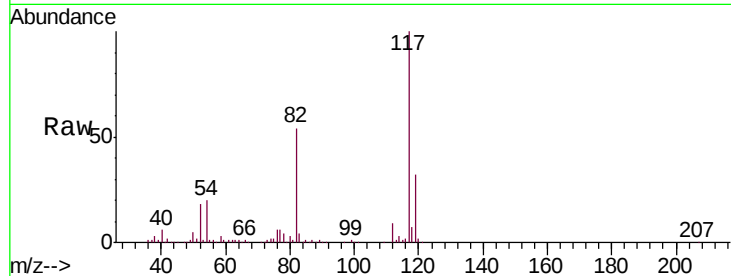
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	936092
Ion Ratio	Lower	Upper	
117	100		
82	54.1	43.7	65.5
119	32.0	26.1	39.1

Manual Integrations
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#64

Tetrachloroethene

Concen: 45.04 ug/l

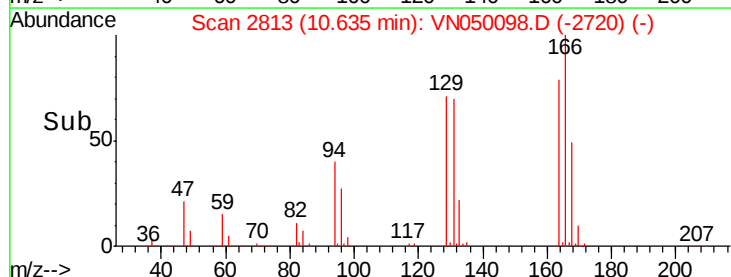
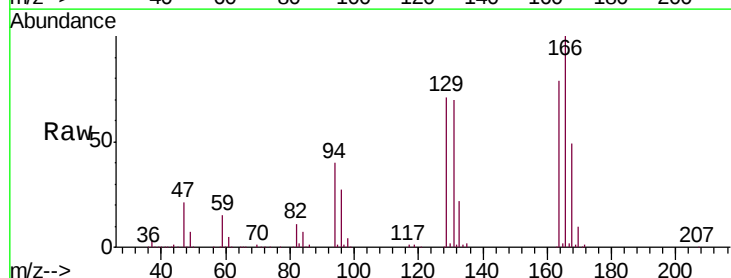
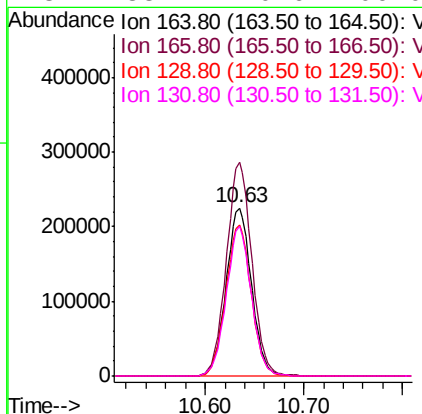
RT: 10.63 min Scan# 2813

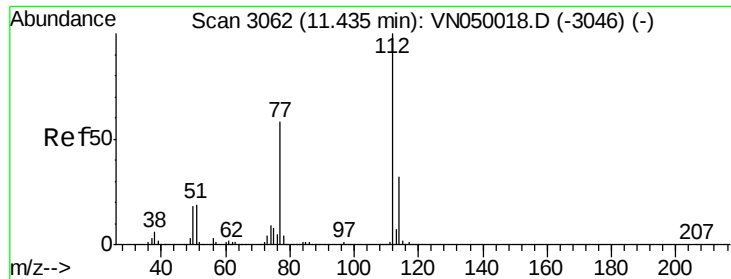
Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Tgt Ion:	164	Resp:	405344
Ion Ratio	Lower	Upper	
164	100		
166	126.9	102.1	153.1
129	89.6	73.2	109.8
131	88.7	70.6	106.0





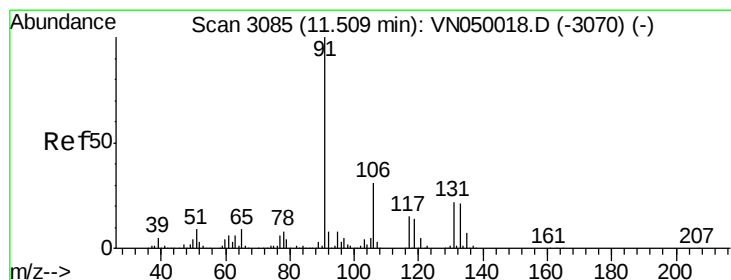
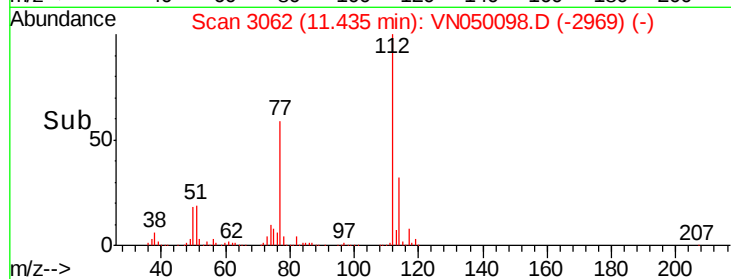
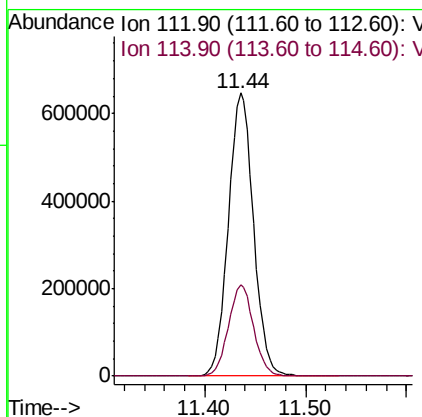
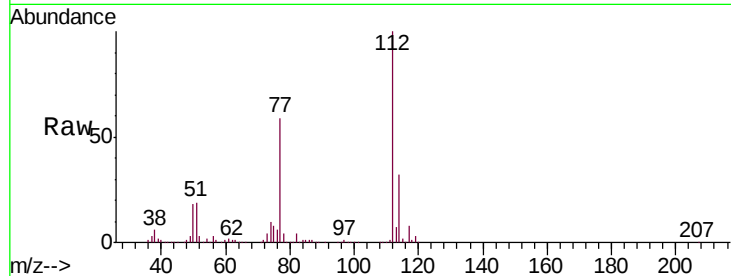
#65
Chlorobenzene
Concen: 47.54 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1124083
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4

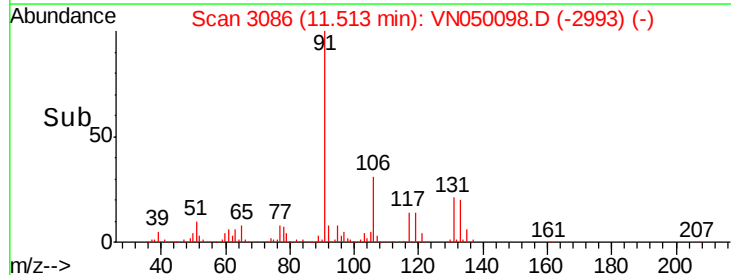
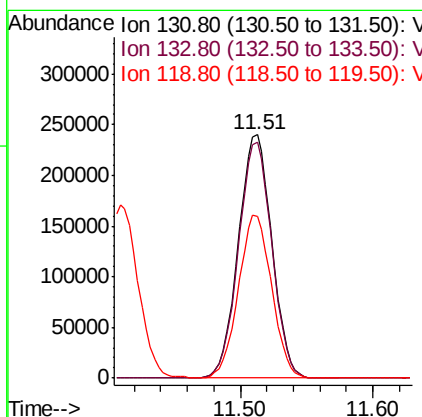
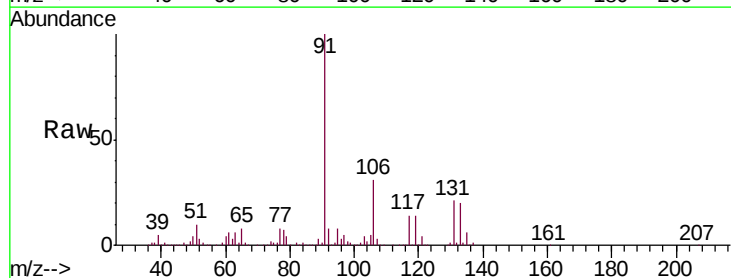
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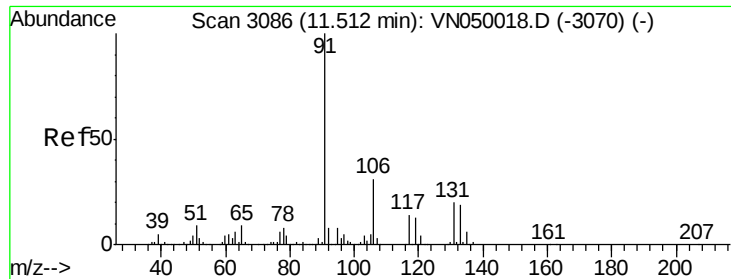
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.42 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion:131 Resp: 421771
Ion Ratio Lower Upper
131 100
133 96.7 47.3 141.9
119 66.3 32.9 98.7





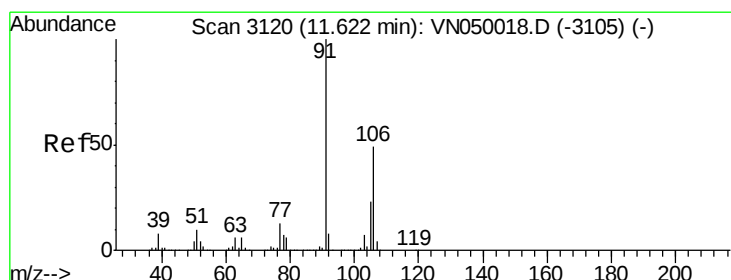
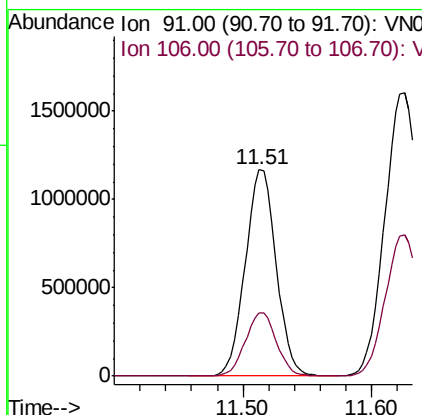
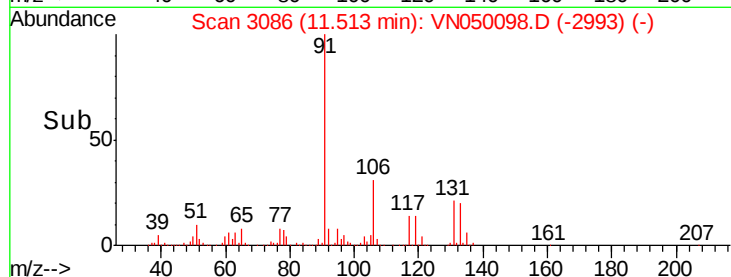
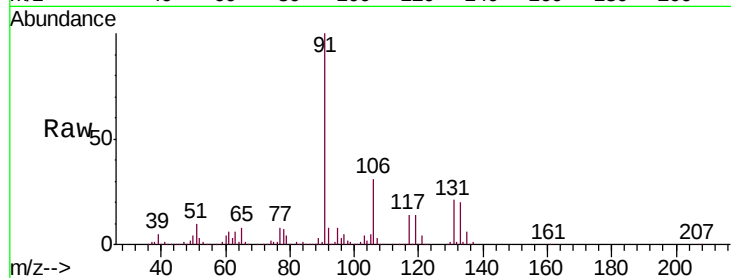
#67
Ethyl Benzene
Concen: 51.48 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1955247
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.4

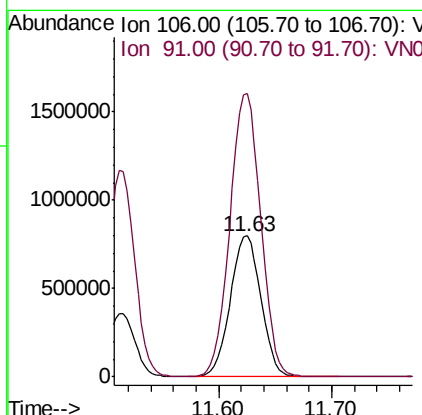
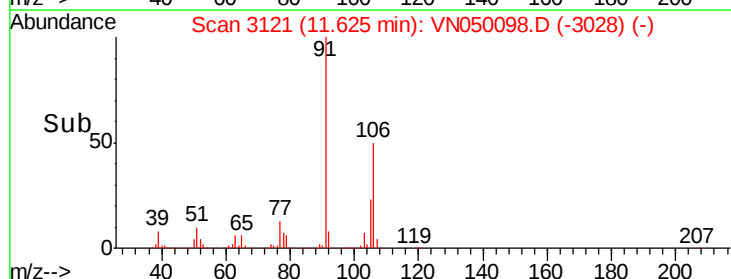
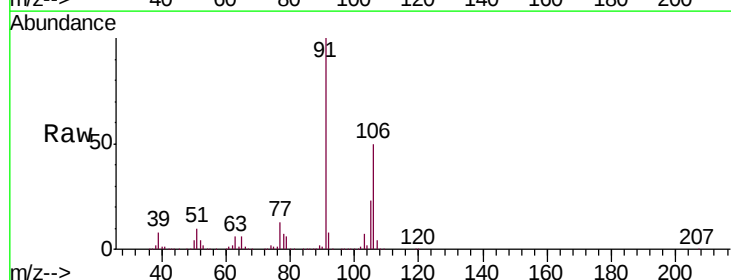
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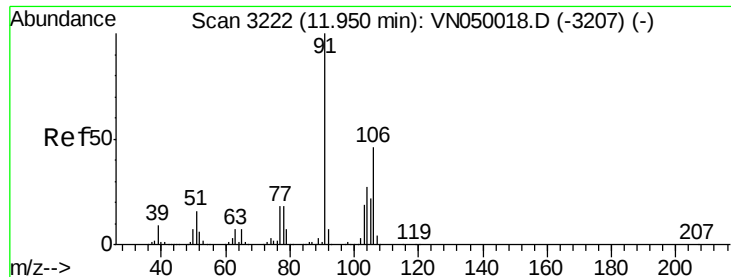
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#68
m/p-Xylenes
Concen: 104.62 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion: 106 Resp: 1503030
Ion Ratio Lower Upper
106 100
91 202.3 162.2 243.2





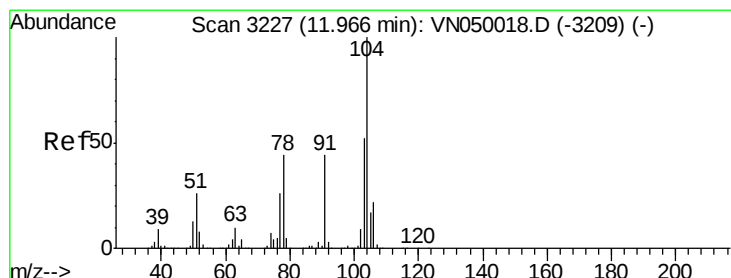
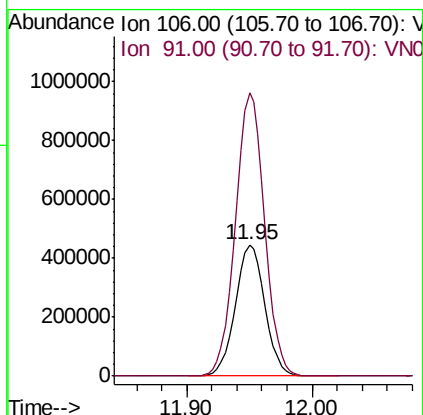
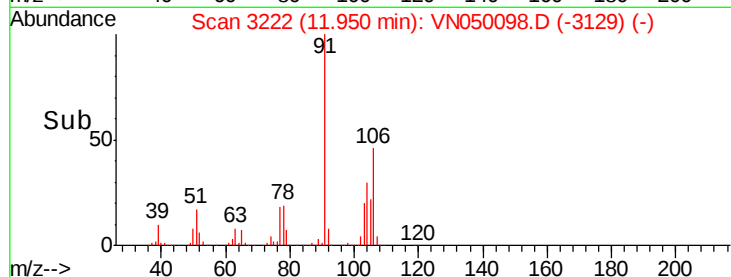
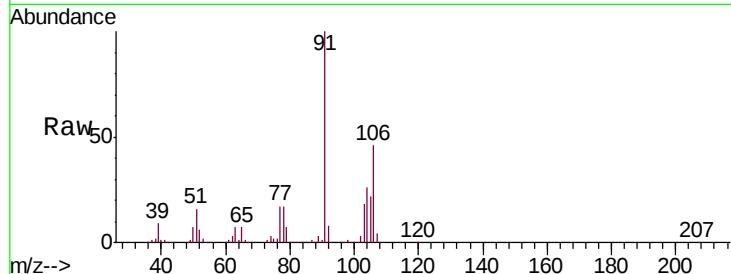
#69
o-Xylene
Concen: 52.97 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.1	107.7	323.1	

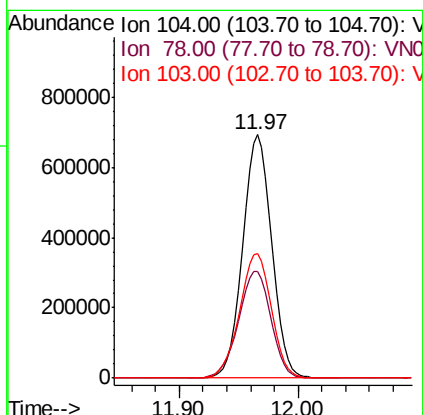
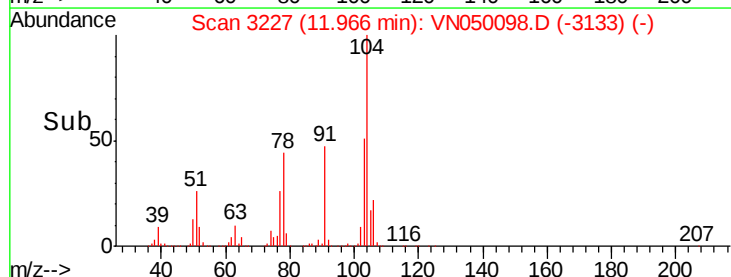
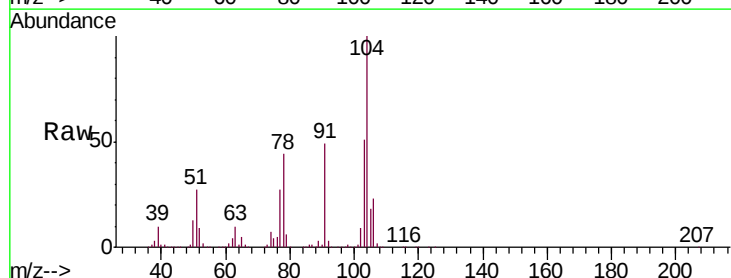
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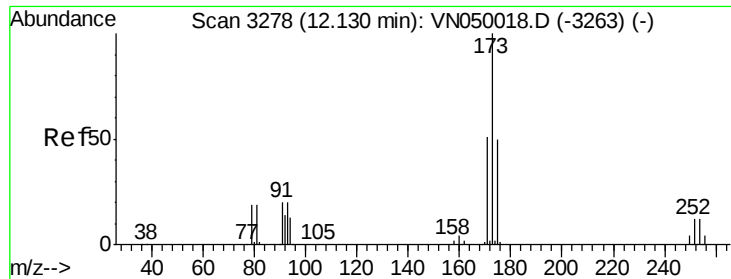
MMDadoda
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#70
Styrene
Concen: 48.17 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.1	39.3	58.9	
103	56.1	45.0	67.6	





#71

Bromoform

Concen: 47.91 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 316661

Ion Ratio Lower Upper

173 100

175 49.1 24.1 72.2

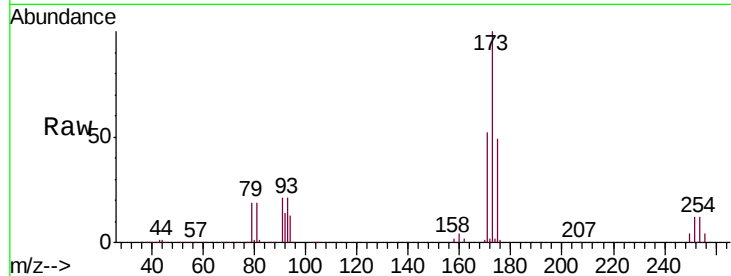
254 0.1 0.2 0.2#

Manual Integrations

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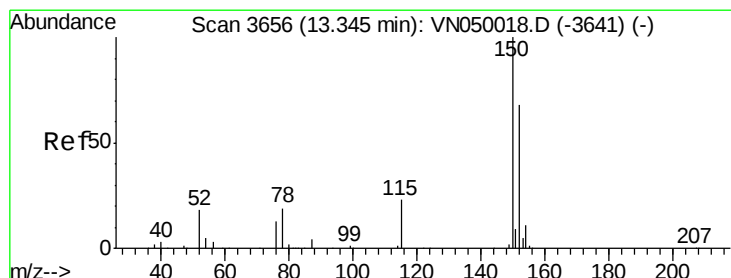
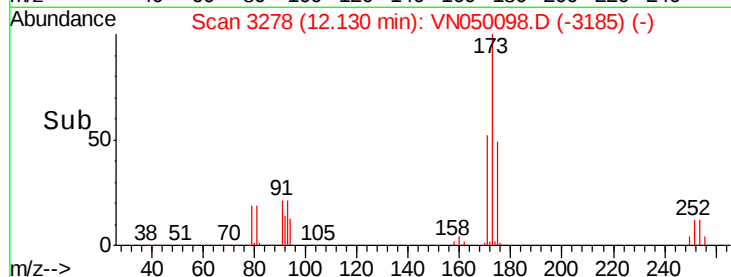
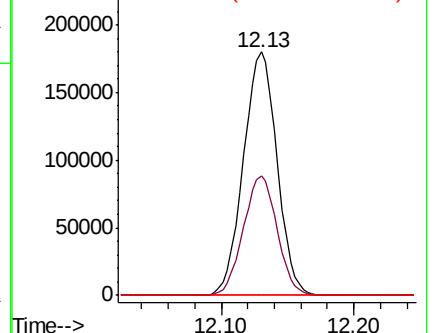
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

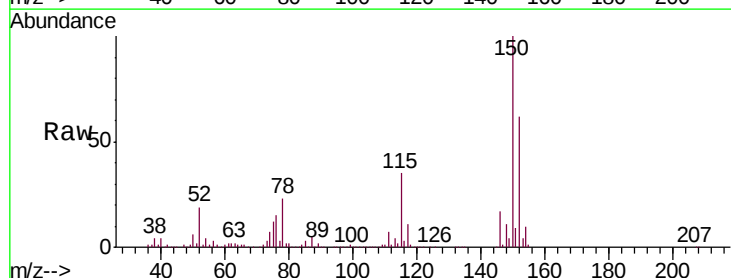
Tgt Ion:152 Resp: 490433

Ion Ratio Lower Upper

152 100

115 56.6 27.8 83.3

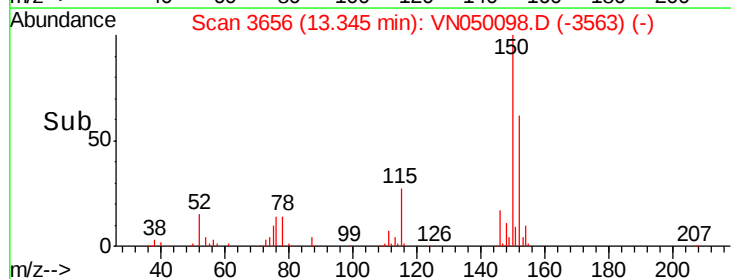
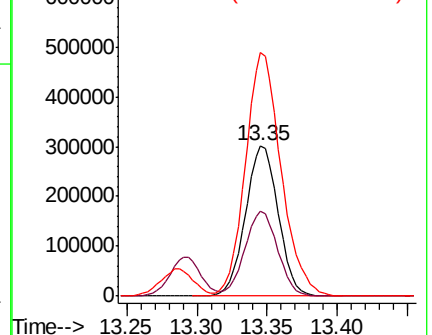
150 175.8 0.0 348.6

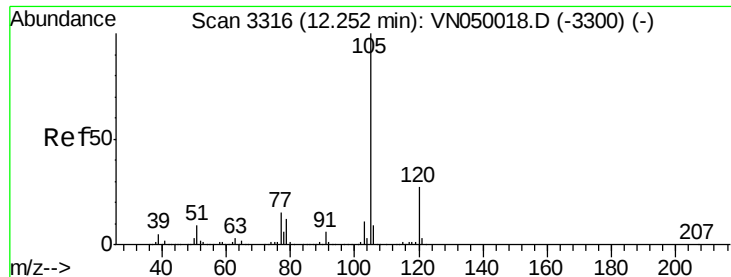


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.98 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1939052

Ion Ratio Lower Upper

105 100

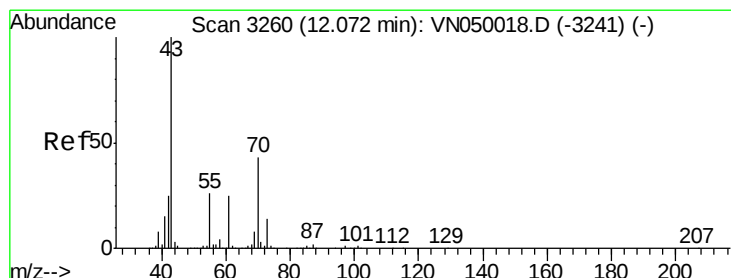
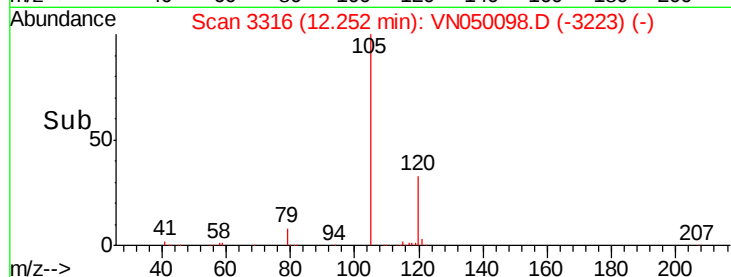
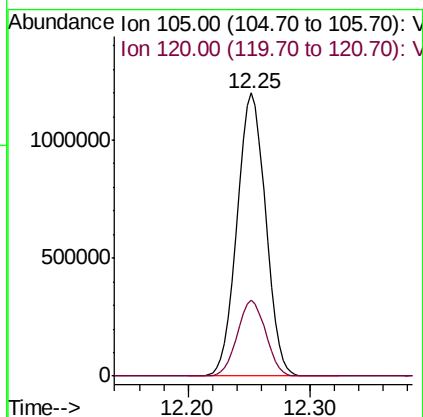
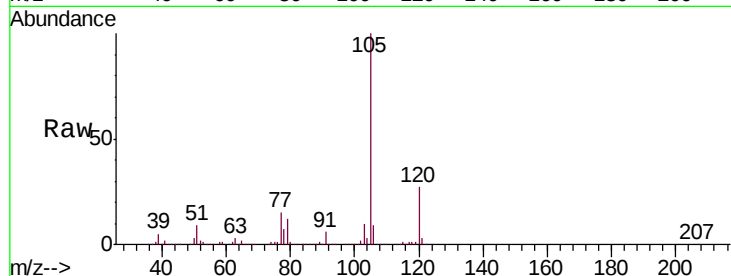
120 26.7 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.39 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Tgt Ion: 43 Resp: 609023

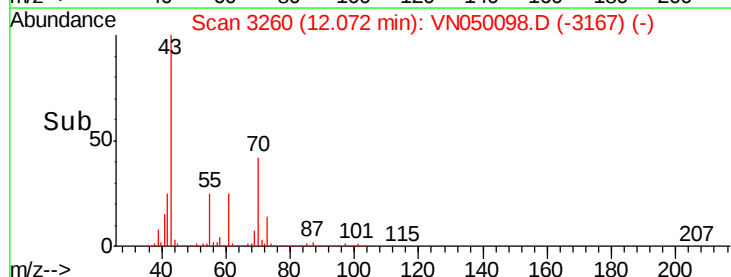
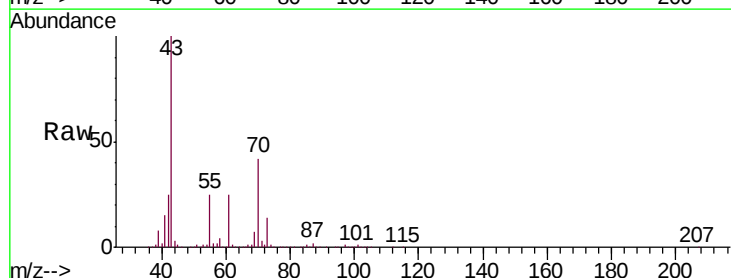
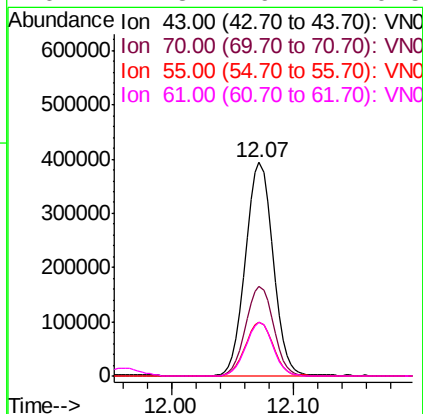
Ion Ratio Lower Upper

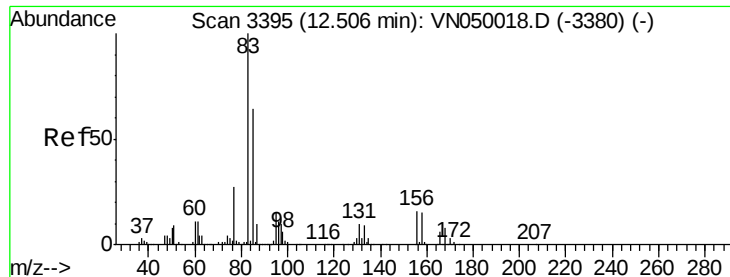
43 100

70 42.5 34.4 51.6

55 25.7 20.8 31.2

61 24.8 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.33 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 530795
Ion Ratio Lower Upper

83 100

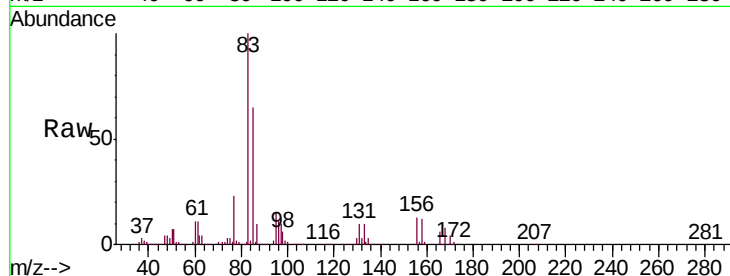
131 10.1 5.1 15.3

85 64.5 32.3 96.8

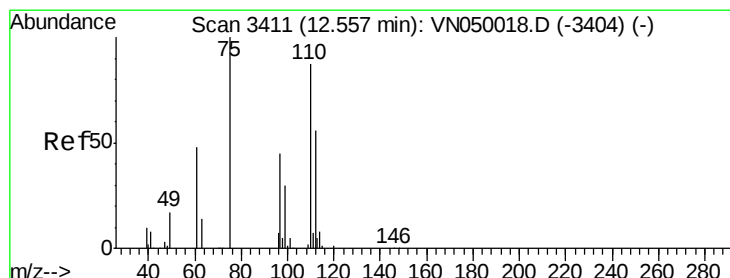
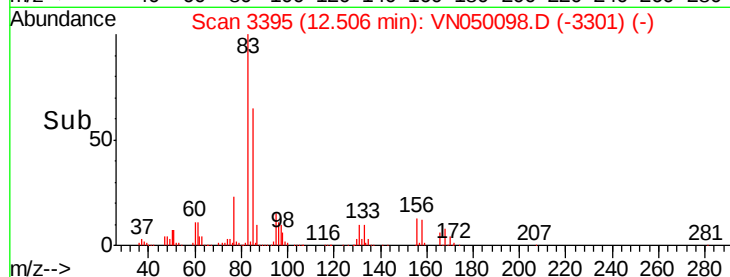
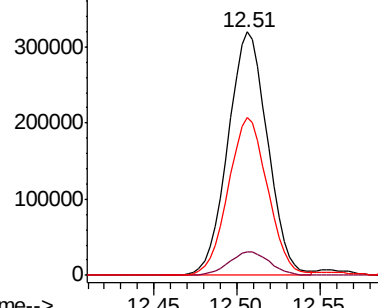
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 49.56 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

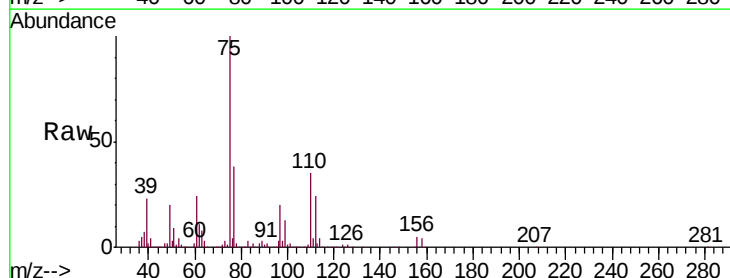
Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

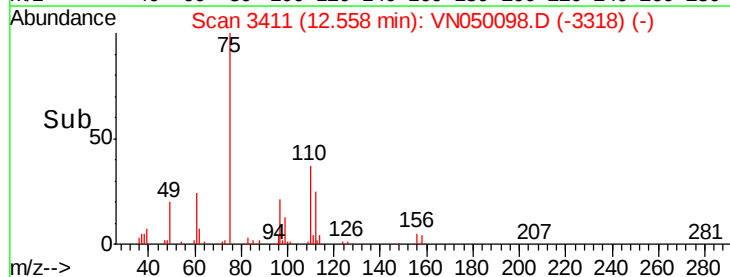
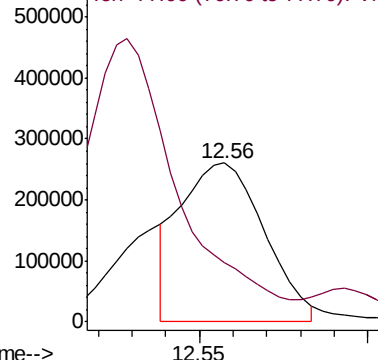
Tgt Ion: 75 Resp: 451689
Ion Ratio Lower Upper

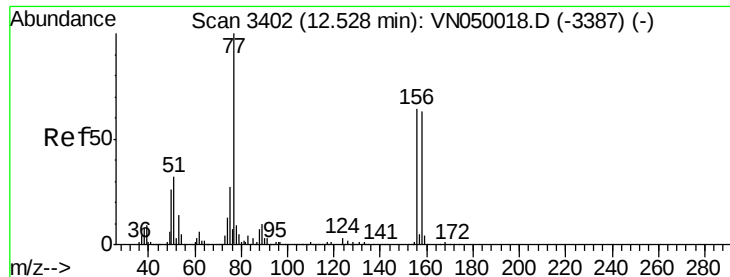
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 47.37 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

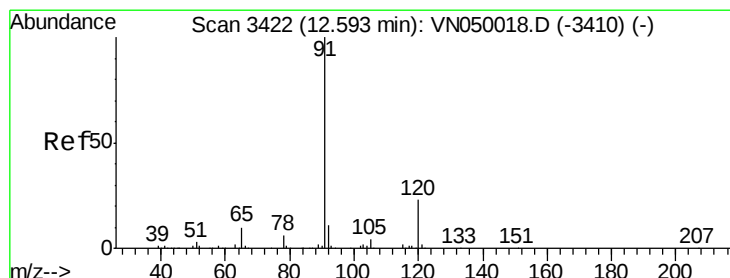
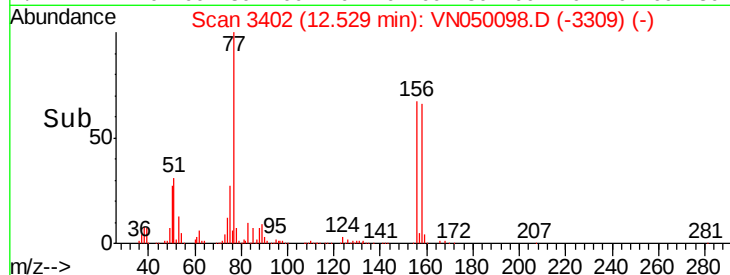
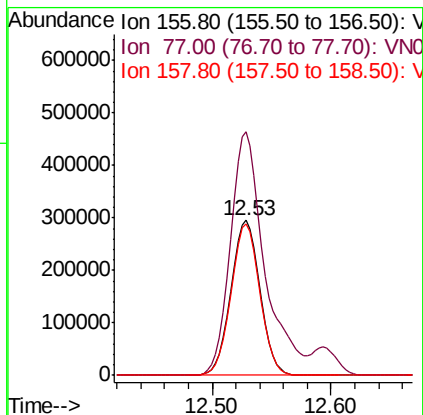
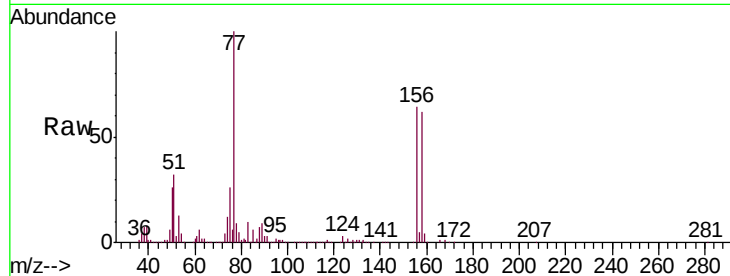
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	185.8	91.7	275.1	
158	96.7	48.9	146.6	

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#78

n-propylbenzene

Concen: 51.90 ug/l

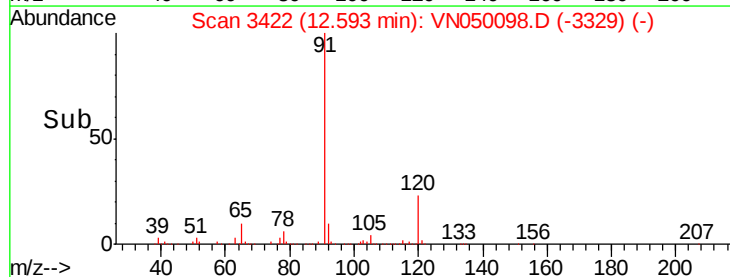
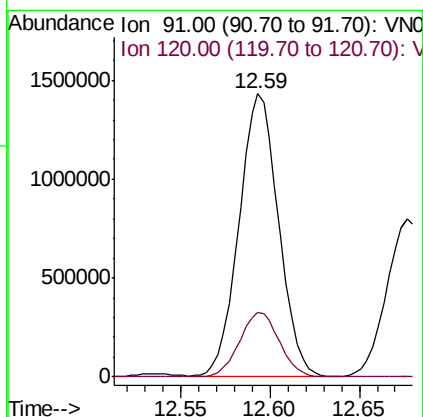
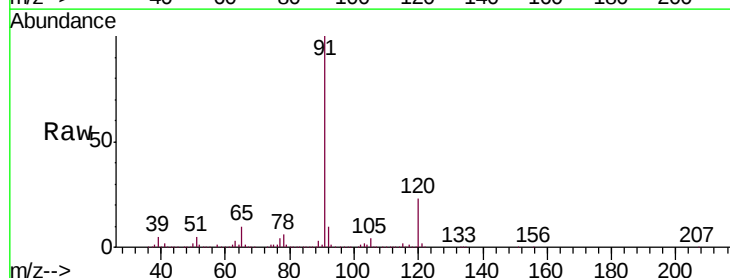
RT: 12.59 min Scan# 3422

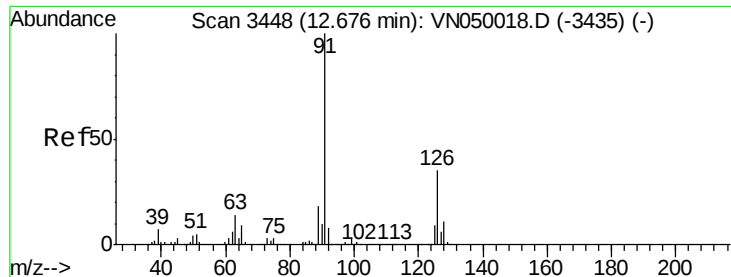
Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.1	11.6	34.7	





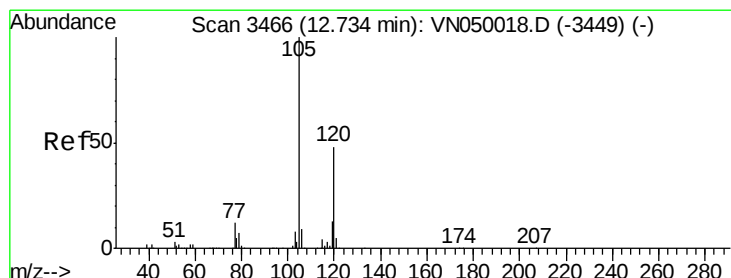
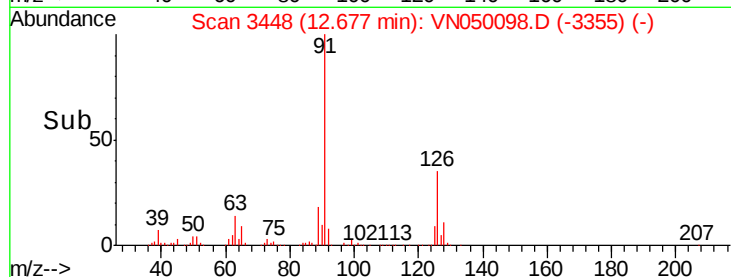
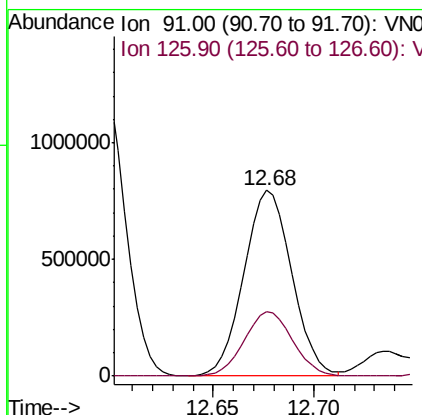
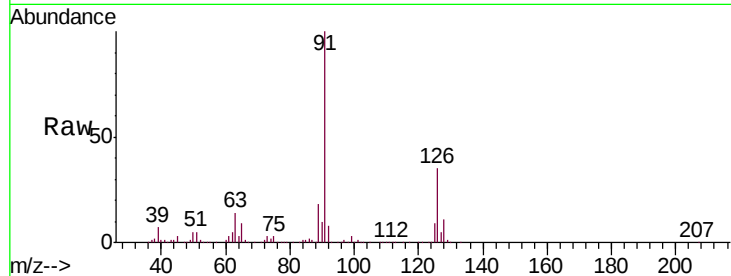
#79
 2-Chlorotoluene
 Concen: 50.20 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050098.D
 Acq: 26 Jul 2018 22:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 91 Resp: 1322678
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.6 52.8

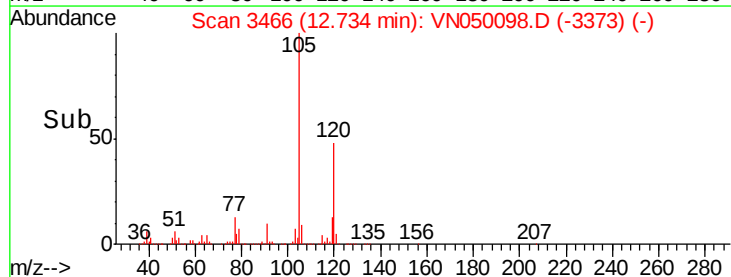
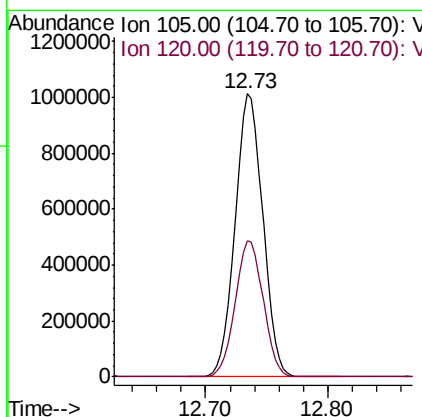
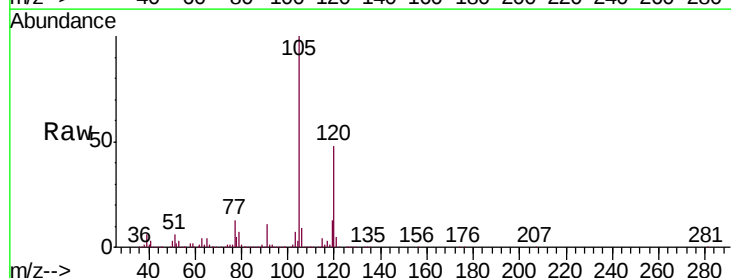
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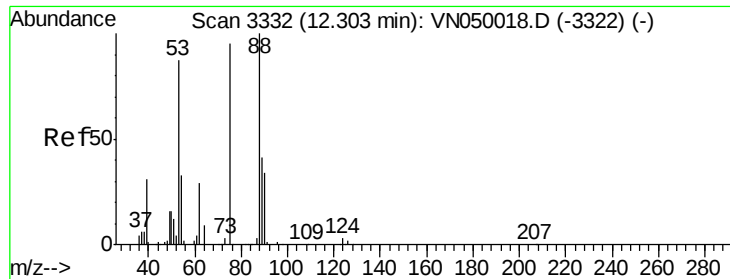
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.16 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050098.D
 Acq: 26 Jul 2018 22:16

Tgt Ion: 105 Resp: 1590337
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 48.93 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

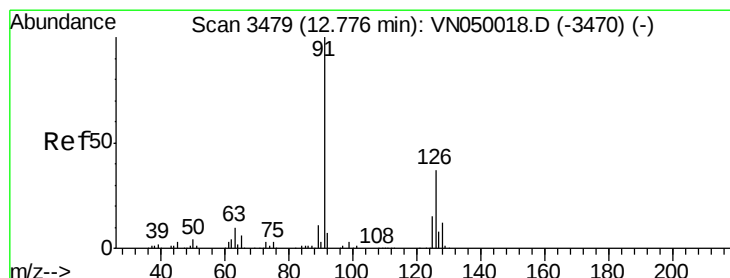
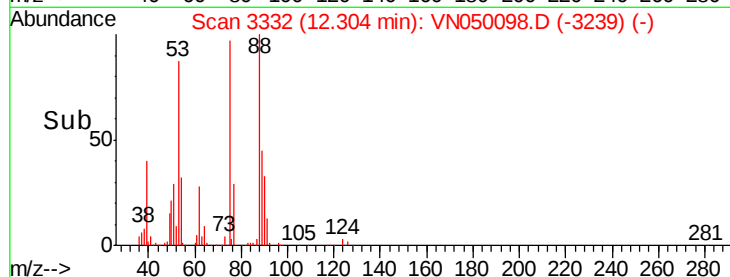
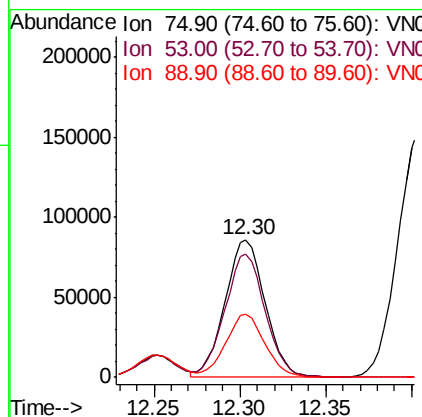
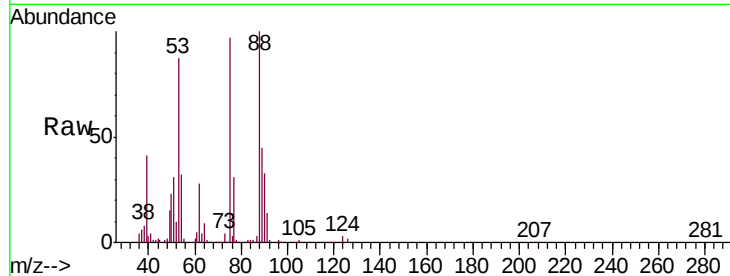
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	140603
Ion	Ratio	Lower	Upper
75	100		
53	90.2	73.5	110.3
89	44.6	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.85 ug/l

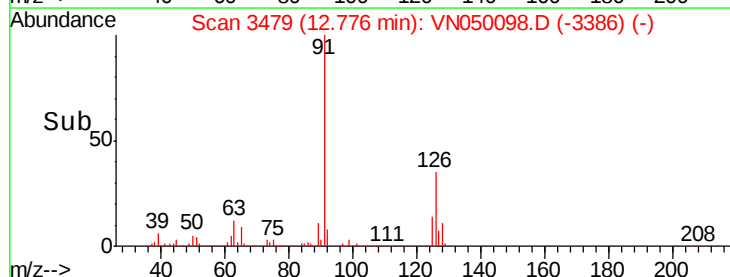
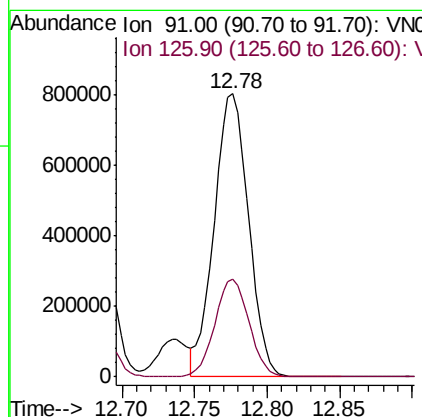
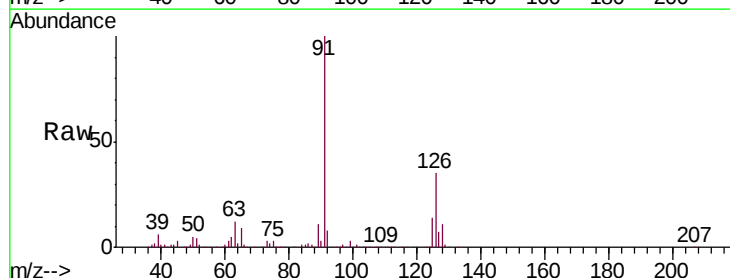
RT: 12.78 min Scan# 3479

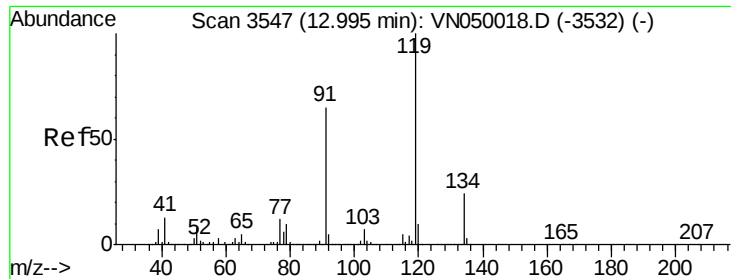
Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Tgt Ion:	91	Resp:	1326848
Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	51.0





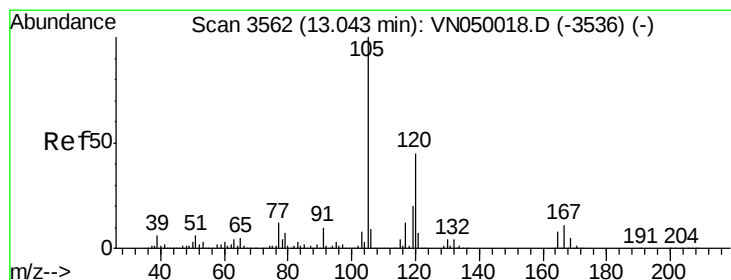
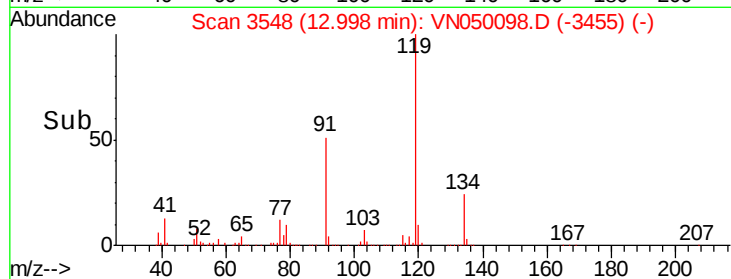
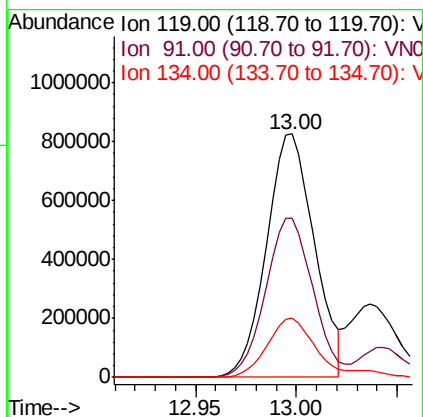
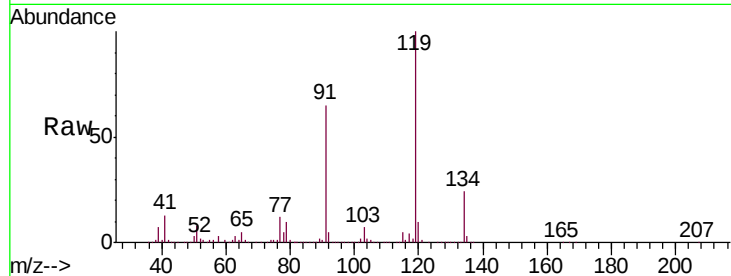
#83
 tert-Butylbenzene
 Concen: 52.06 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN050098.D
 Acq: 26 Jul 2018 22:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:119 Resp: 1359176
 Ion Ratio Lower Upper
 119 100
 91 64.5 32.1 96.3
 134 26.2 13.2 39.5

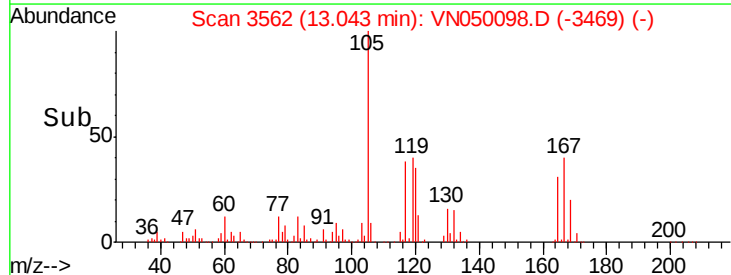
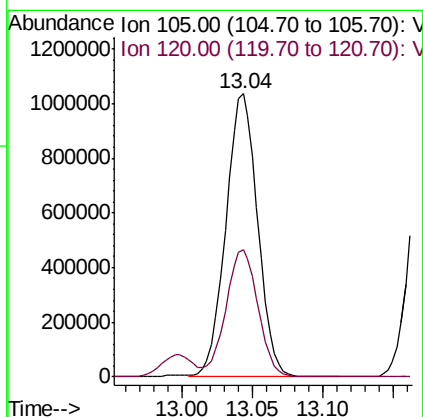
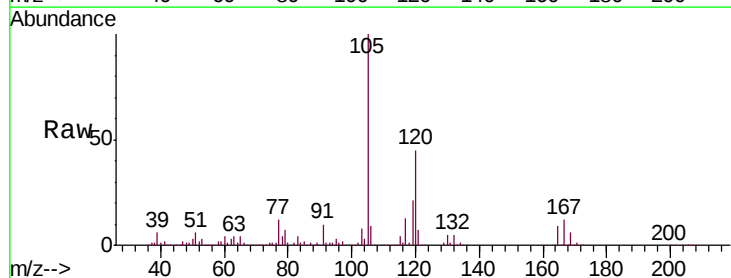
Manual Integrations
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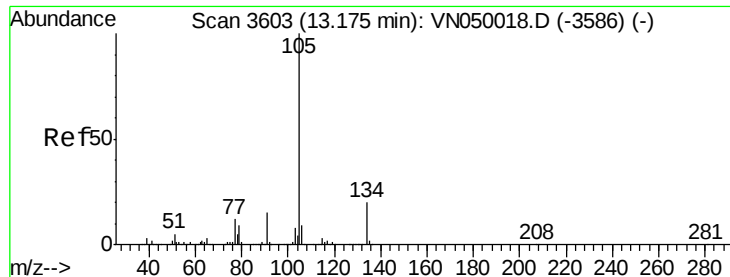
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.87 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050098.D
 Acq: 26 Jul 2018 22:16

Tgt Ion:105 Resp: 1624515
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.9 68.7





#85

sec-Butylbenzene

Concen: 52.35 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1826441

Ion Ratio Lower Upper

105 100

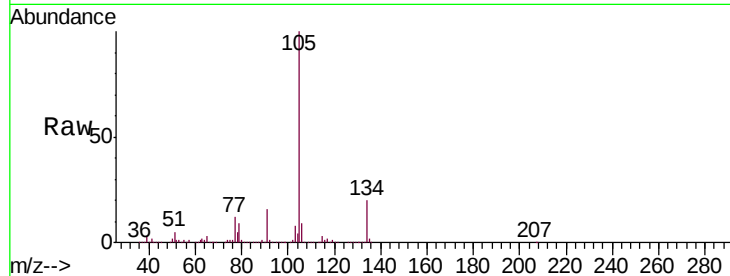
134 20.1 10.1 30.1

Manual Integrations

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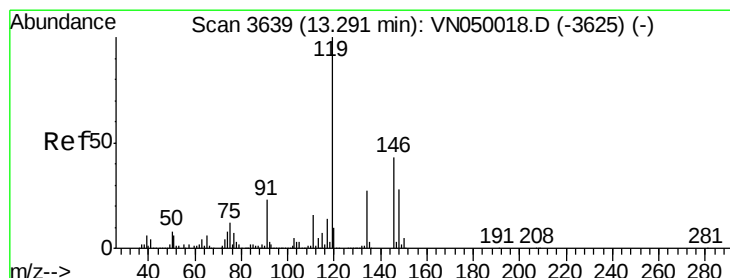
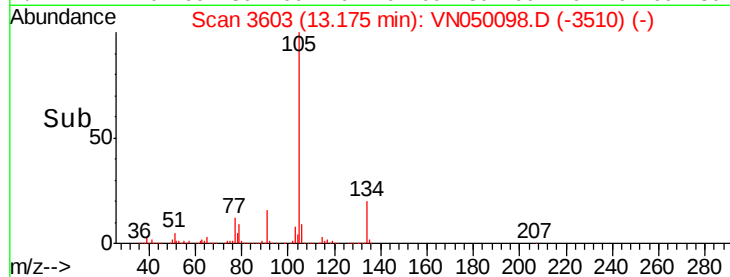
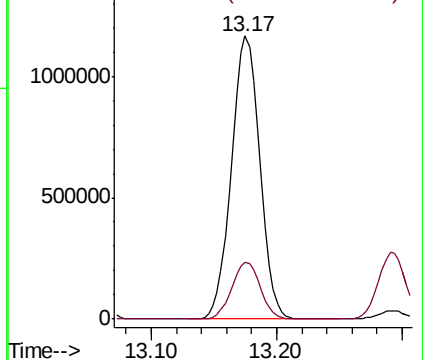
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.10 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

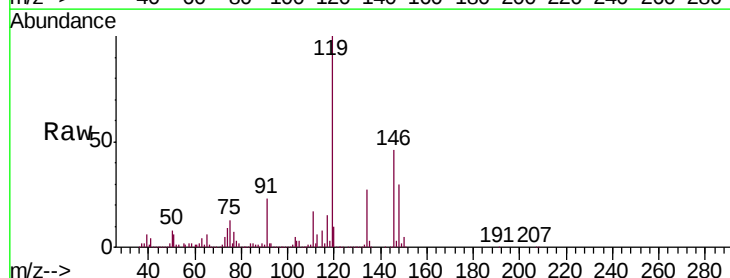
Tgt Ion:119 Resp: 1590336

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

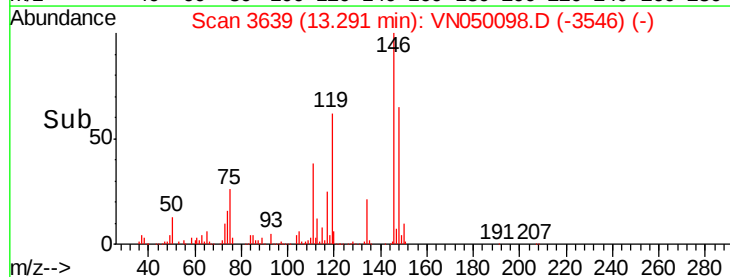
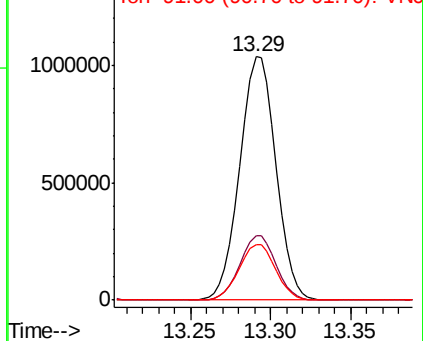
91 22.9 11.4 34.2

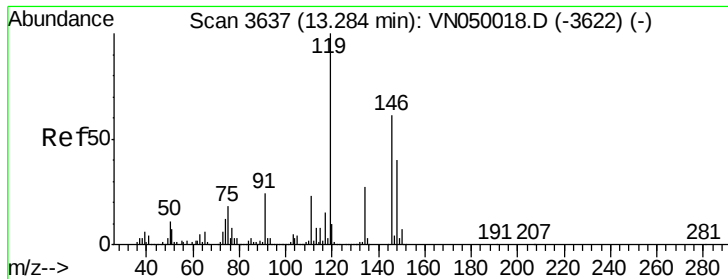


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VNO





#87

1,3-Dichlorobenzene

Concen: 48.68 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN050098.D

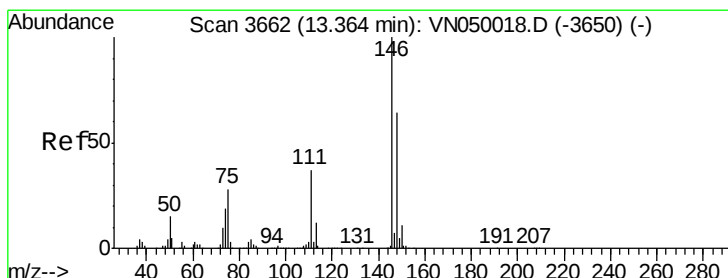
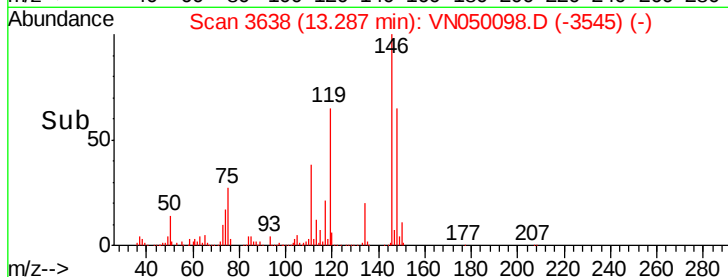
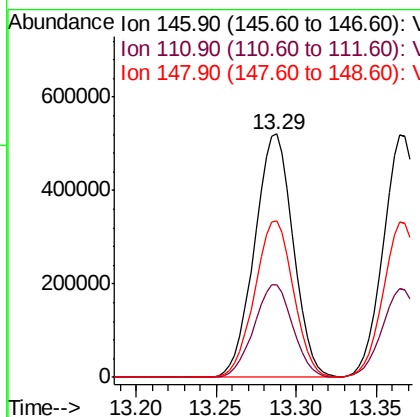
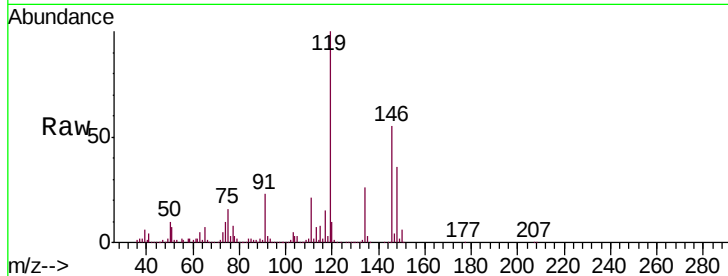
Acq: 26 Jul 2018 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.4
148	64.5	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.43 ug/l

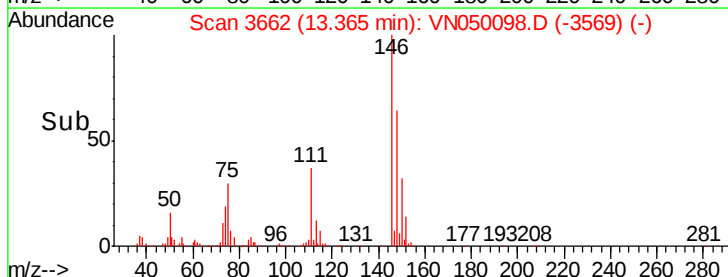
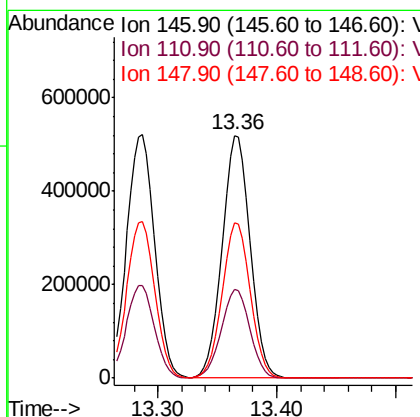
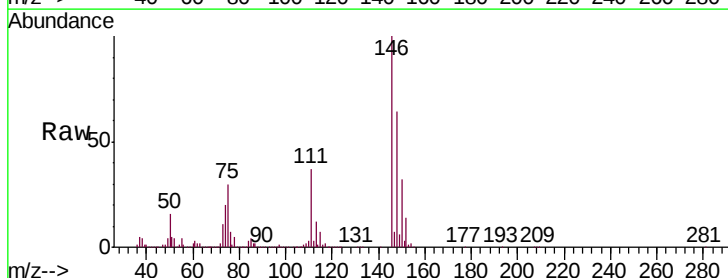
RT: 13.36 min Scan# 3662

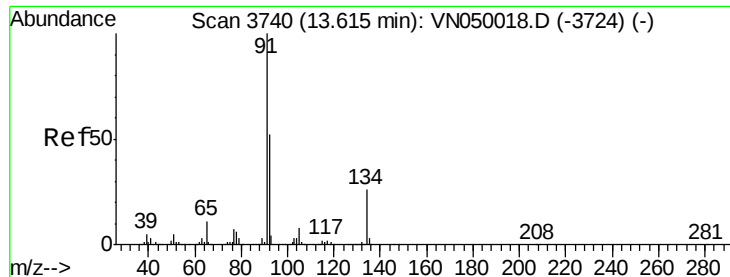
Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.3	54.9
148	64.5	31.9	95.9





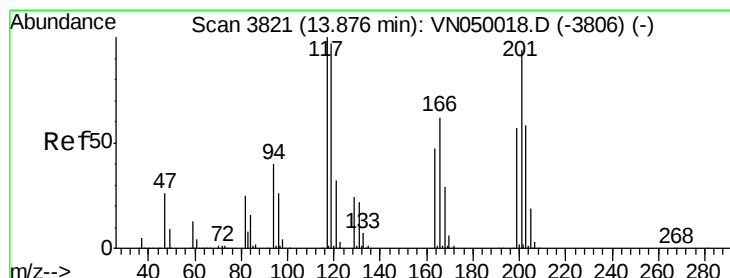
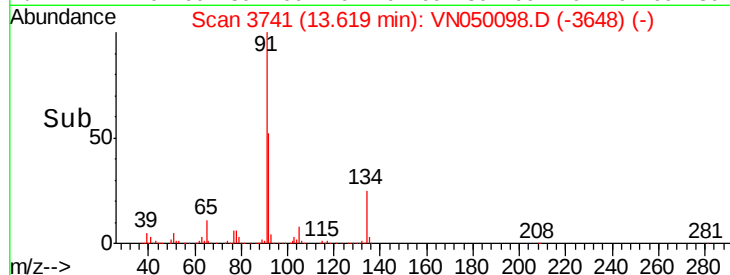
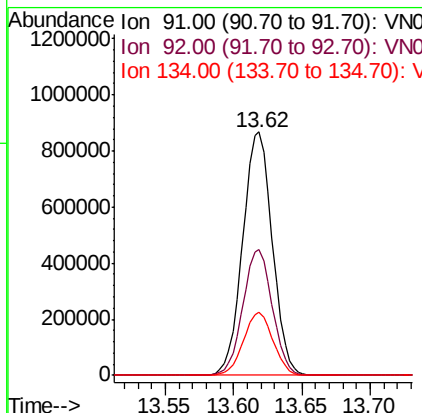
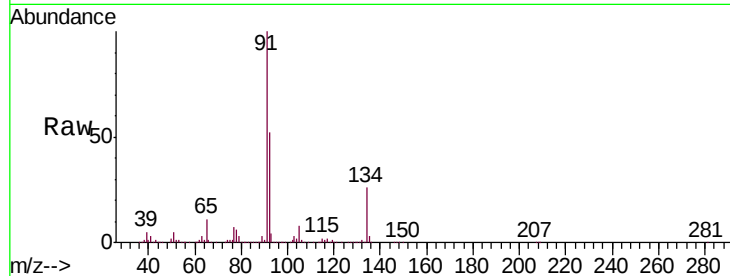
#89
n-Butylbenzene
Concen: 53.87 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.8	77.4
134	25.8	12.8	38.4

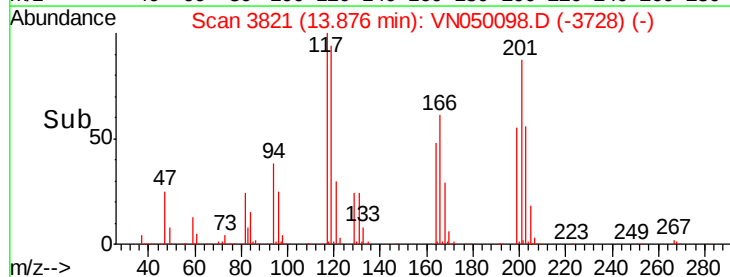
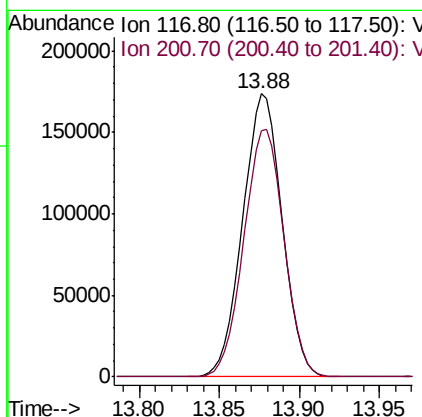
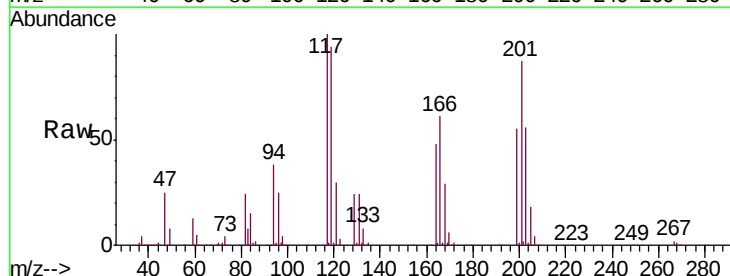
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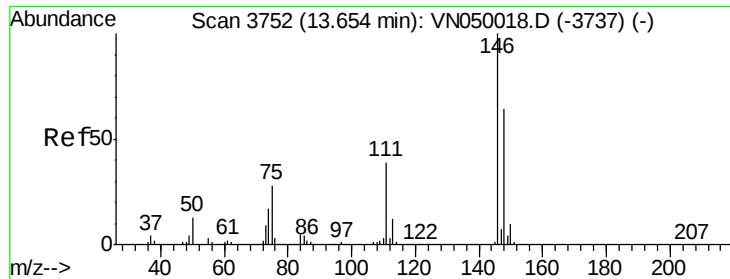
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#90
Hexachloroethane
Concen: 44.91 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.9	45.6	136.8





#91

1,2-Dichlorobenzene

Concen: 48.53 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 867038

Ion Ratio Lower Upper

146 100

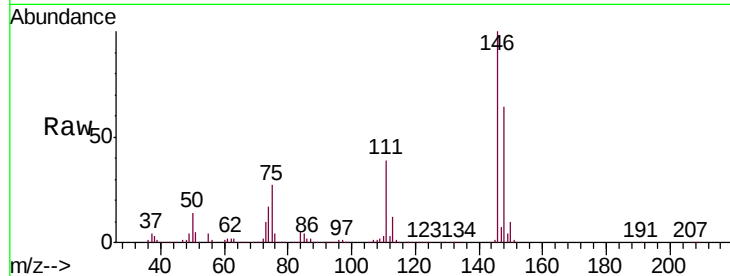
111 39.7 19.6 58.7

148 64.3 32.1 96.3

Manual Integrations
APPROVED

MMDadoda

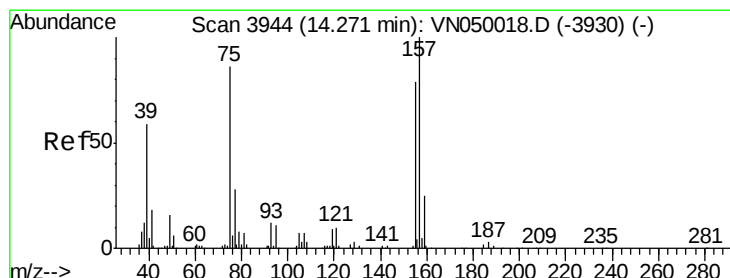
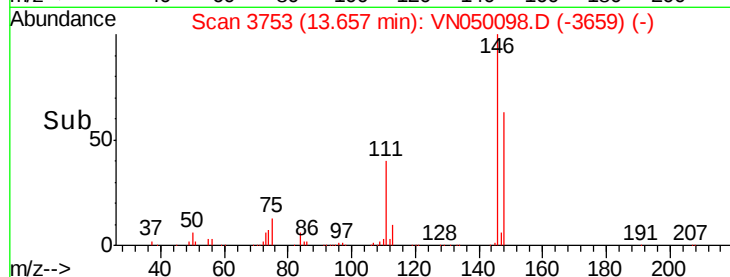
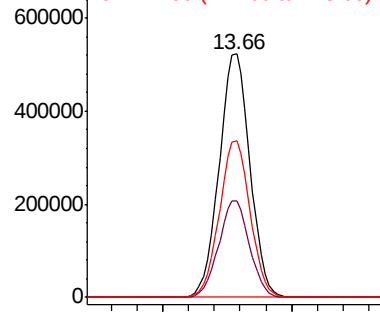
7/27/2018 12:16:18 PM



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: 51.63 ug/l

RT: 14.27 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

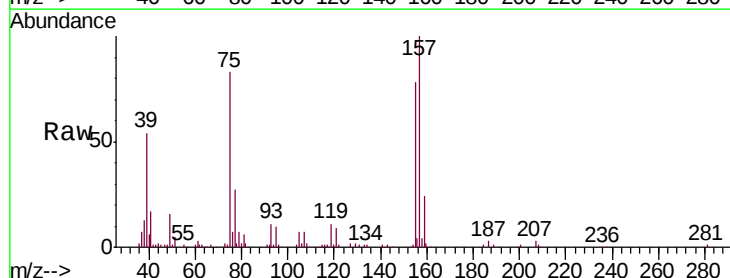
Tgt Ion: 75 Resp: 87448

Ion Ratio Lower Upper

75 100

155 90.7 44.8 134.4

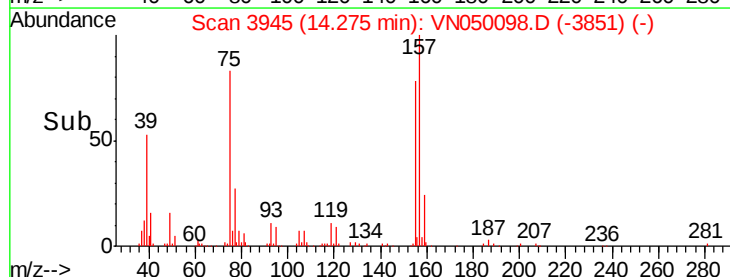
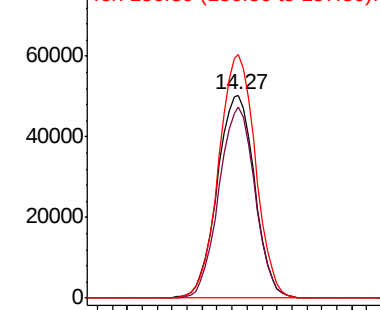
157 117.7 57.2 171.6

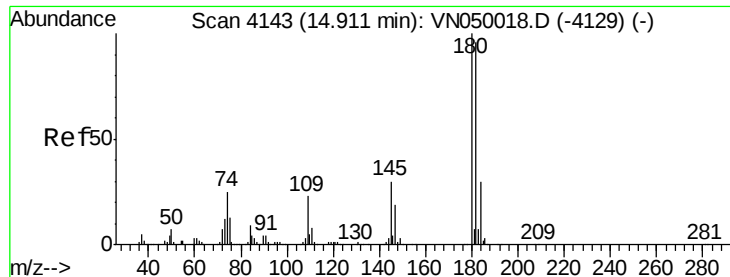


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





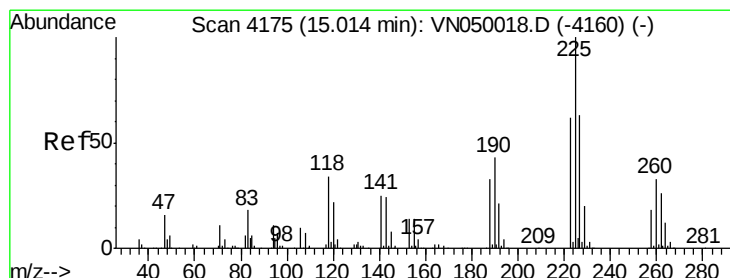
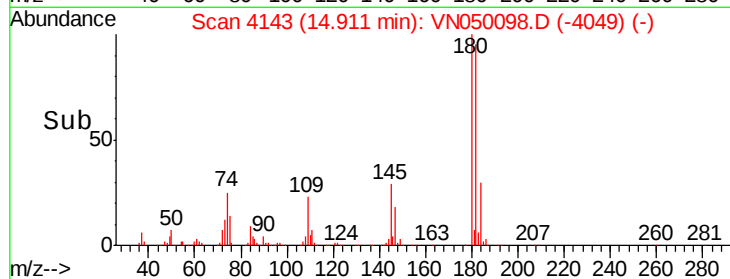
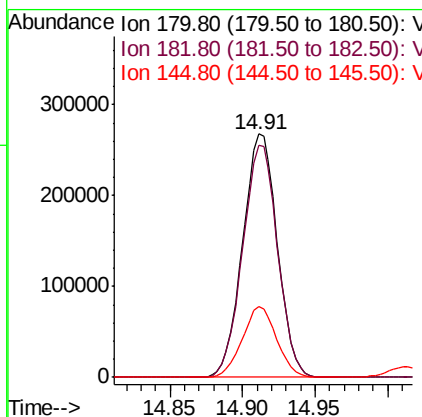
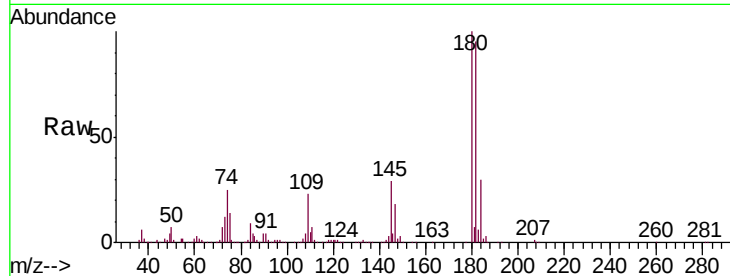
#93
 1,2,4-Trichlorobenzene
 Concen: 47.21 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050098.D
 Acq: 26 Jul 2018 22:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	445510		
182	96.2	46.7	140.1	
145	28.8	13.8	41.4	

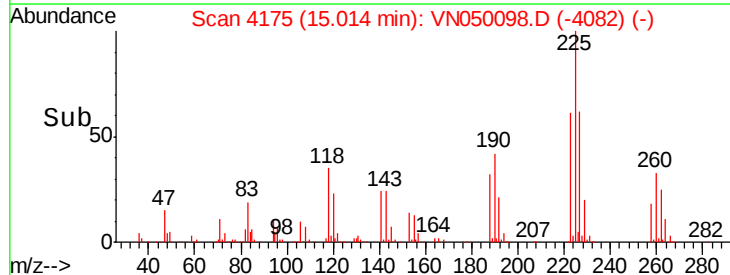
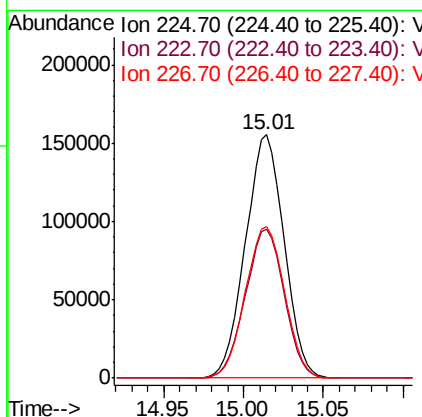
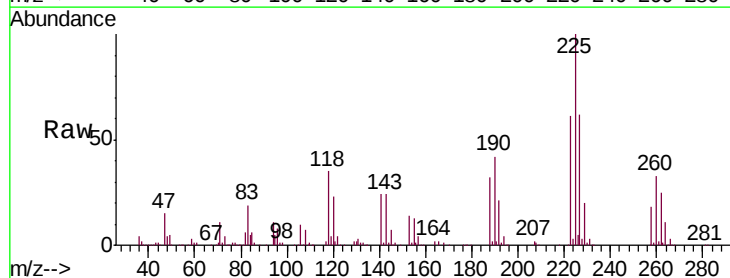
Manual Integrations
 APPROVED

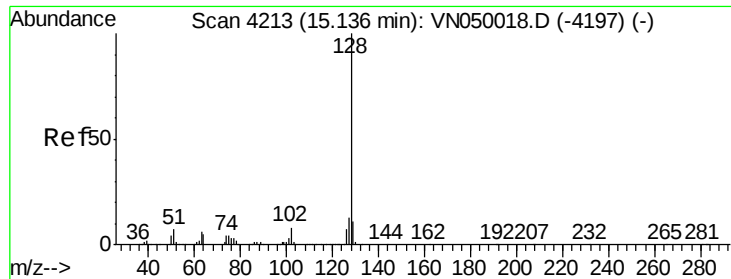
MMDadoda
 7/27/2018 12:16:18 PM



#94
 Hexachlorobutadiene
 Concen: 47.13 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050098.D
 Acq: 26 Jul 2018 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	257742		
223	61.4	31.4	94.2	
227	63.1	32.1	96.5	





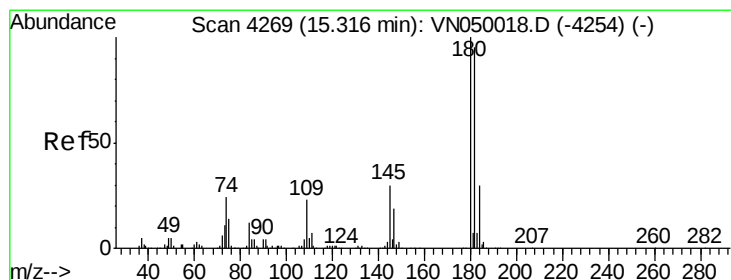
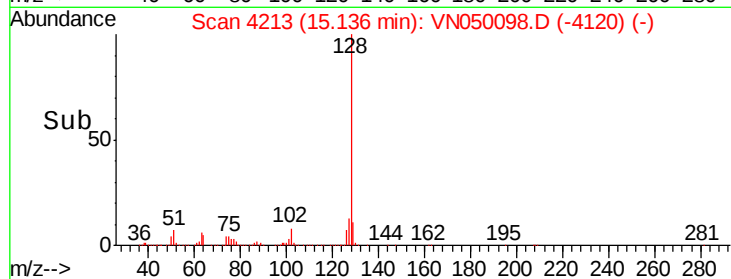
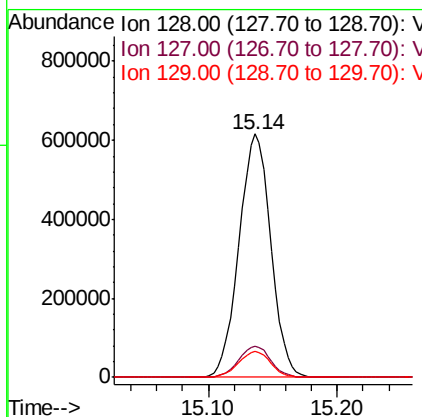
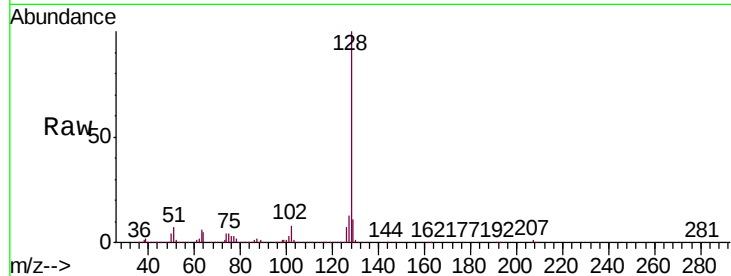
#95
Naphthalene
Concen: 47.40 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/27/2018 12:16:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.65 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.1	144.4
145	30.2	15.3	45.9

