

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049219.D
 Acq On : 14 Jun 2018 11:07
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/15/2018 1:15:18 PM

Quant Time: Jun 14 17:04:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 05:15:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	860526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1321949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1250704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	623892	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	677000	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
35) Dibromofluoromethane	7.59	113	554540	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	10.09	98	2105649	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.40	95	714835	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	522248	42.133	ug/l	99
3) Chloromethane	2.06	50	524156	41.386	ug/l	99
4) Vinyl Chloride	2.18	62	530678	40.862	ug/l	97
5) Bromomethane	2.56	94	287005	38.102	ug/l	99
6) Chloroethane	2.70	64	361163	41.181	ug/l	98
7) Trichlorofluoromethane	3.01	101	754692	41.273	ug/l	100
8) Diethyl Ether	3.41	74	225844	33.259	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	391710	33.092	ug/l	99
10) Methyl Iodide	3.95	142	414065	35.976	ug/l	99
11) Tert butyl alcohol	4.80	59	183180	241.855	ug/l	97
12) 1,1-Dichloroethene	3.73	96	347082	32.292	ug/l	99
13) Acrolein	3.61	56	189230	183.501	ug/l	99
14) Allyl chloride	4.32	41	681933	33.785	ug/l	98
15) Acrylonitrile	4.99	53	1038202	254.675	ug/l	99
16) Acetone	3.82	43	708374	213.359	ug/l	99
17) Carbon Disulfide	4.05	76	1130928	30.844	ug/l	99
18) Methyl Acetate	4.33	43	354081	35.082	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1486476	50.758	ug/l	99
20) Methylene Chloride	4.55	84	455154	33.757	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	540067	45.326	ug/l	100
22) Diisopropyl ether	5.95	45	2060279	51.138	ug/l	97
23) Vinyl Acetate	5.90	43	7017530	263.509	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1124266	46.827	ug/l	98
25) 2-Butanone	6.84	43	1278536	268.935	ug/l	98
26) 2,2-Dichloropropane	6.82	77	867228	48.170	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	623783	48.072	ug/l	99
28) Bromochloromethane	7.19	49	572807	50.268	ug/l	100
29) Tetrahydrofuran	7.21	42	790716	258.533	ug/l	98
30) Chloroform	7.37	83	1090859	47.287	ug/l	100
31) Cyclohexane	7.65	56	982679	47.524	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	888346	44.709	ug/l	99
36) 1,1-Dichloropropene	7.79	75	818014	49.527	ug/l	99
37) Ethyl Acetate	6.93	43	545073	52.278	ug/l	99
38) Carbon Tetrachloride	7.77	117	775521	46.608	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	858180	50.299	ug/l	98
40) Benzene	8.04	78	2503057	50.021	ug/l	99
41) Methacrylonitrile	7.17	41	295517	50.099	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	820756	49.699	ug/l	99
43) Isopropyl Acetate	8.17	43	993320	51.816	ug/l	98
44) Trichloroethene	8.83	130	594130	47.549	ug/l	100
45) 1,2-Dichloropropane	9.12	63	699705	50.838	ug/l	98
46) Dibromomethane	9.21	93	389359	51.205	ug/l	97
47) Bromodichloromethane	9.40	83	857019	50.040	ug/l	98
48) Methyl methacrylate	9.20	41	495958	52.947	ug/l	93
49) 1,4-Dioxane	9.20	88	110998	1003.435	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2677377	262.245	ug/l	97
52) Toluene	10.16	92	1482022	50.903	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	857397	52.656	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1002507	53.129	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	541985	50.725	ug/l	98
56) Ethyl methacrylate	10.43	69	709866	55.111	ug/l #	93
57) 1,3-Dichloropropane	10.71	76	950818	51.893	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1171311	239.975	ug/l	99
59) 2-Hexanone	10.75	43	1776334	279.227	ug/l	98
60) Dibromochloromethane	10.90	129	610222	51.499	ug/l	98
61) 1,2-Dibromoethane	11.01	107	505353	51.139	ug/l	100
64) Tetrachloroethene	10.63	164	595412	47.515	ug/l	99
65) Chlorobenzene	11.44	112	1564971	48.504	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	593461	48.356	ug/l	98
67) Ethyl Benzene	11.51	91	2810257	50.488	ug/l	99
68) m/p-Xylenes	11.62	106	2125618	104.429	ug/l	100
69) o-Xylene	11.95	106	1024100	52.243	ug/l	98
70) Styrene	11.97	104	1682692	54.220	ug/l	99
71) Bromoform	12.13	173	388542	50.654	ug/l #	99
73) Isopropylbenzene	12.25	105	2681274	44.744	ug/l	99
74) N-amyl acetate	12.07	43	832484	48.768	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	655286	53.585	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	529962m	51.347	ug/l	
77) Bromobenzene	12.53	156	643868	50.438	ug/l	99
78) n-propylbenzene	12.59	91	3191100	47.936	ug/l	99
79) 2-Chlorotoluene	12.68	91	1908011	45.447	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2251281	48.998	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	180137	48.240	ug/l	94
82) 4-Chlorotoluene	12.77	91	1906155	47.866	ug/l	100
83) tert-Butylbenzene	12.99	119	1834234	46.342	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2282925	49.989	ug/l	99
85) sec-Butylbenzene	13.17	105	2523231	47.818	ug/l	99
86) p-Isopropyltoluene	13.29	119	2154262	50.408	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1151568	49.121	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1122281	48.605	ug/l	100
89) n-Butylbenzene	13.62	91	1796622	48.093	ug/l	99
90) Hexachloroethane	13.88	117	421618	48.775	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1125522	48.805	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	99646	47.806	ug/l	99

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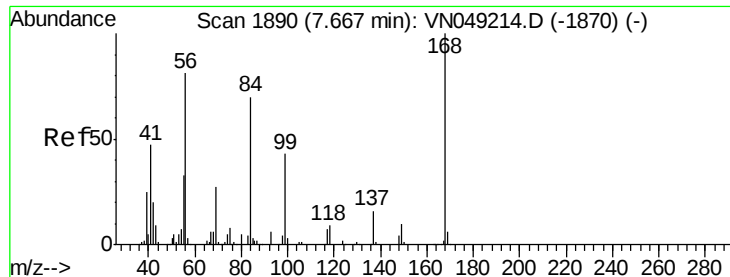
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	460250	46.778	ug/l	99
94) Hexachlorobutadiene	15.01	225	320788	45.998	ug/l	99
95) Naphthalene	15.14	128	929499	43.671	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	468136	51.402	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 860526

Ion Ratio Lower Upper

168 100

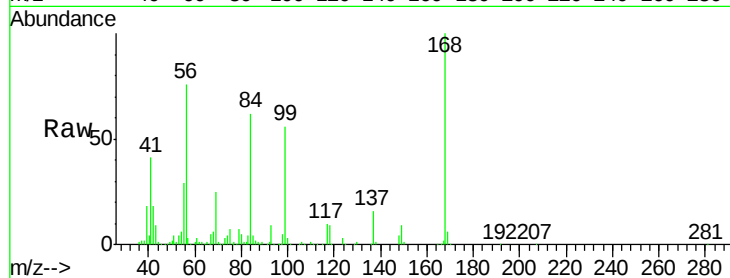
99 55.7 45.8 68.6

Manual Integrations

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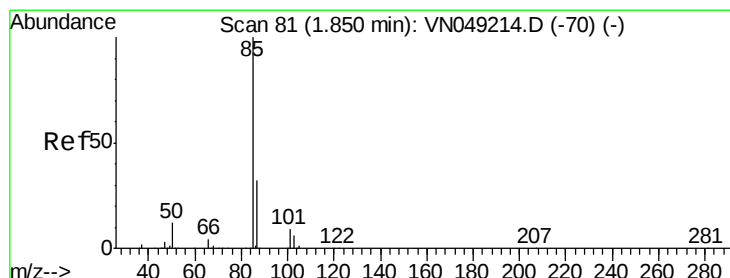
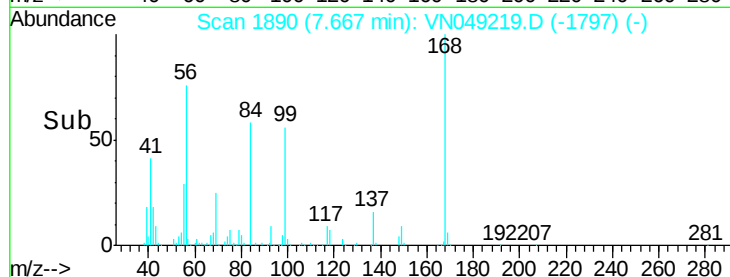
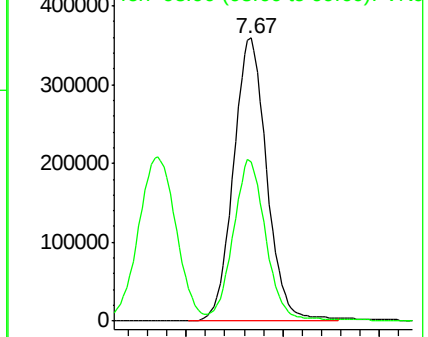
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 42.133 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049219.D

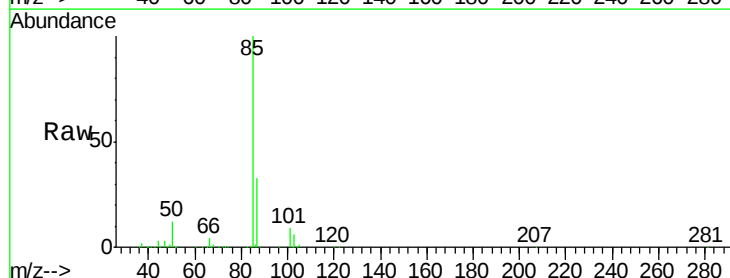
Acq: 14 Jun 2018 11:07

Tgt Ion: 85 Resp: 522248

Ion Ratio Lower Upper

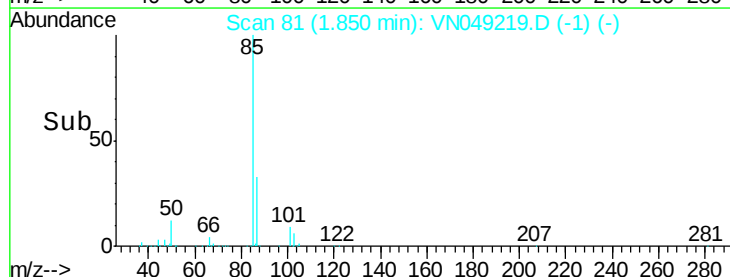
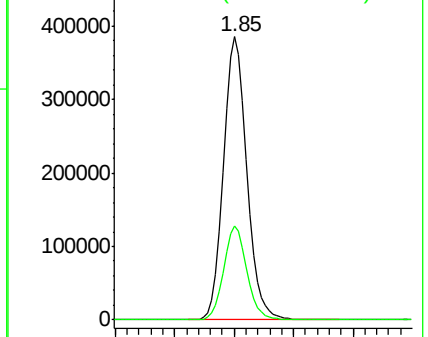
85 100

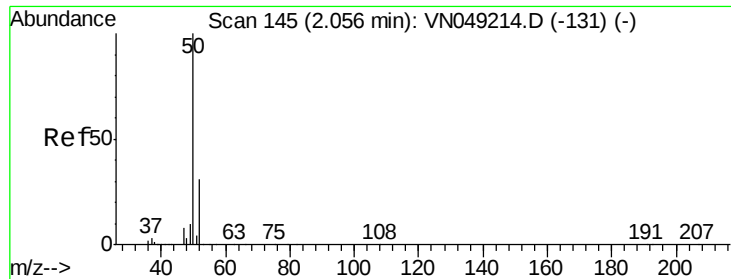
87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 41.386 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 524156

Ion Ratio Lower Upper

50 100

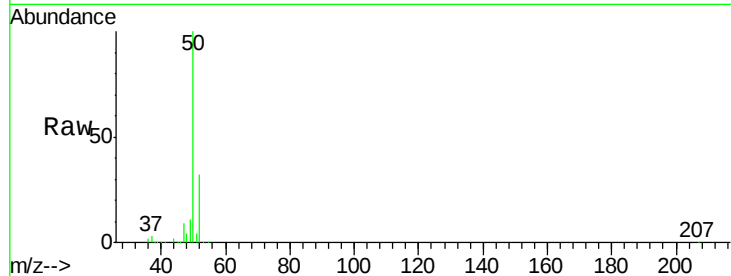
52 32.1 25.2 37.8

Manual Integrations

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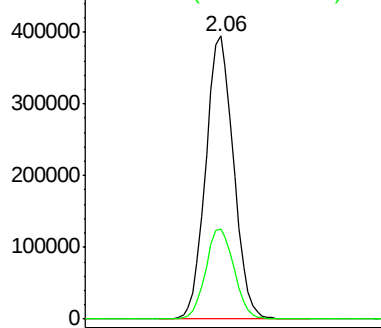
MMDadoda

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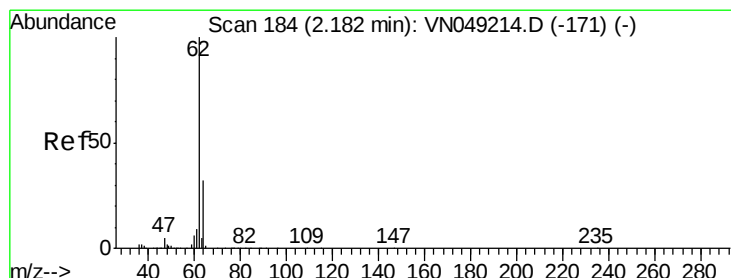
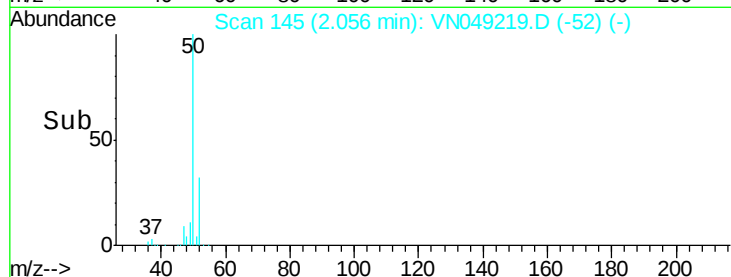


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 40.862 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049219.D

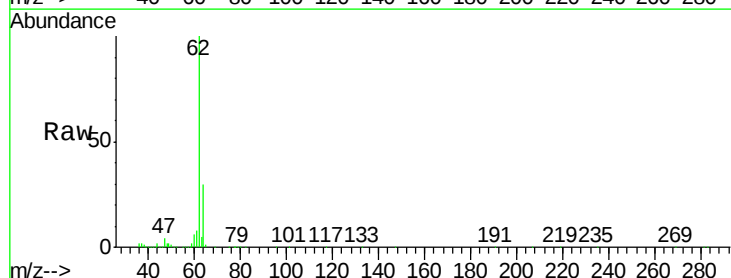
Acq: 14 Jun 2018 11:07

Tgt Ion: 62 Resp: 530678

Ion Ratio Lower Upper

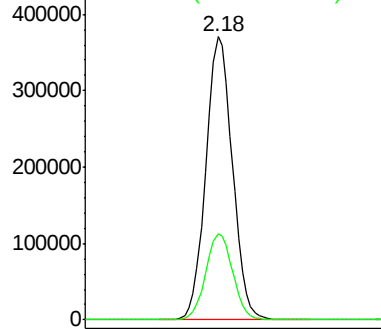
62 100

64 30.3 25.7 38.5

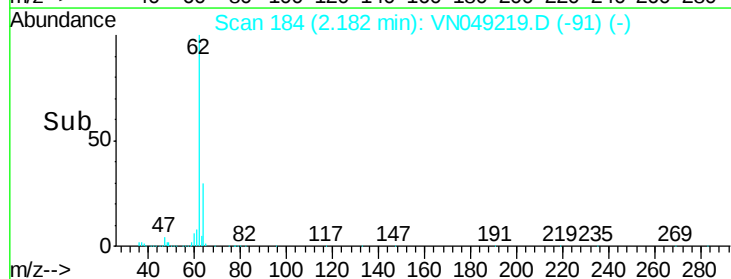


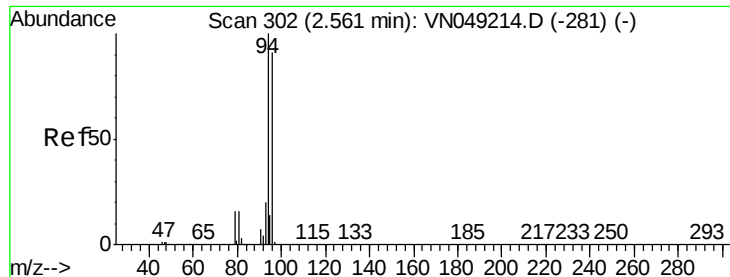
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 38.102 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 287005

Ion Ratio Lower Upper

94 100

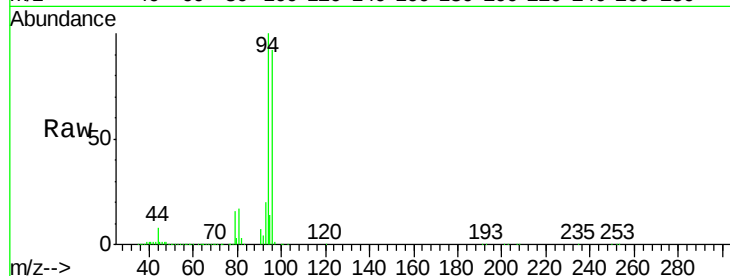
96 91.8 72.8 109.2

Manual Integrations

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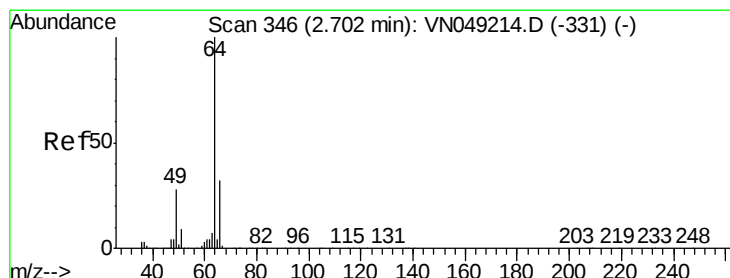
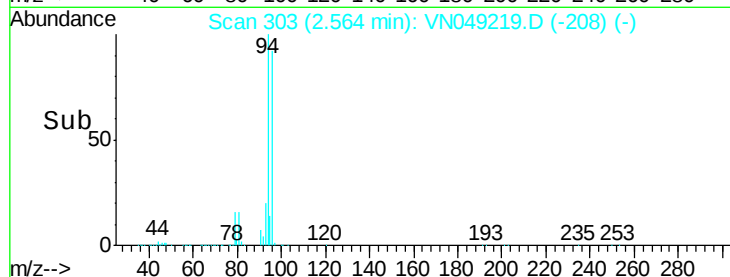
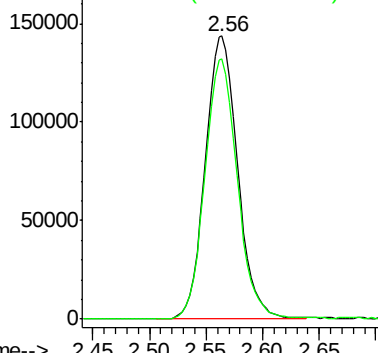
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 41.181 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049219.D

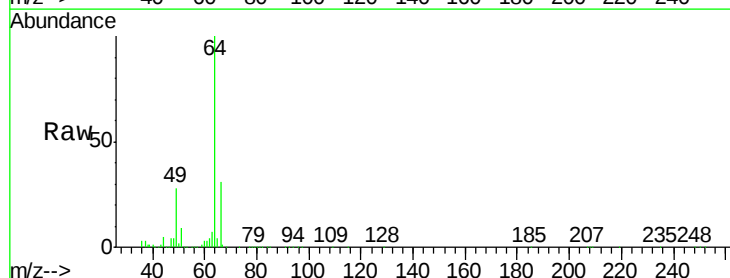
Acq: 14 Jun 2018 11:07

Tgt Ion: 64 Resp: 361163

Ion Ratio Lower Upper

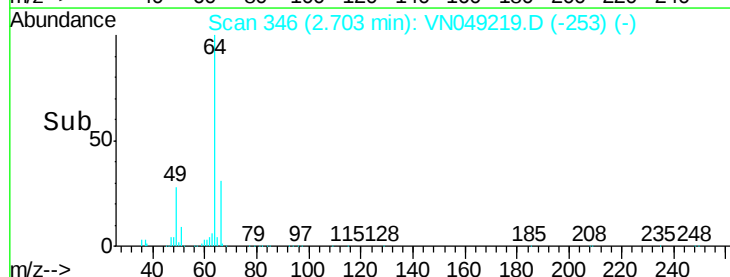
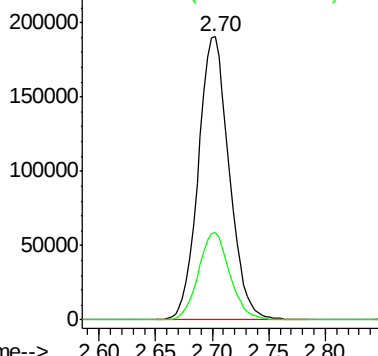
64 100

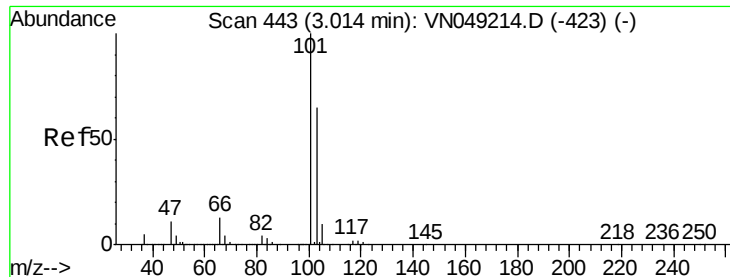
66 30.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

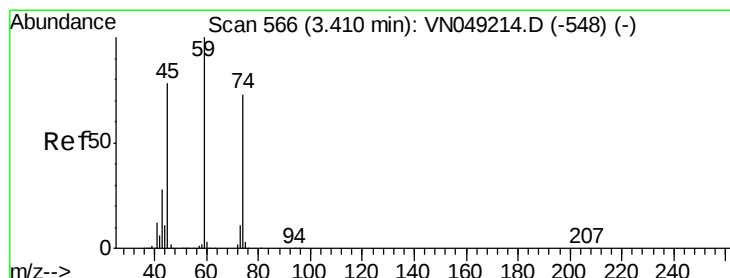
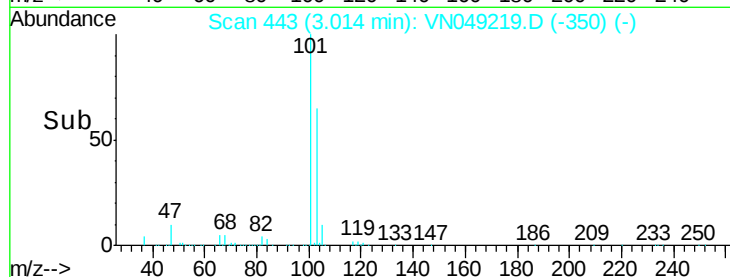
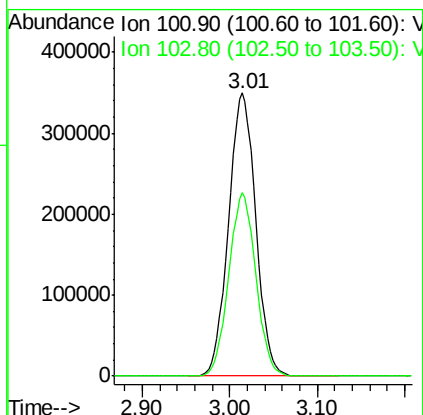
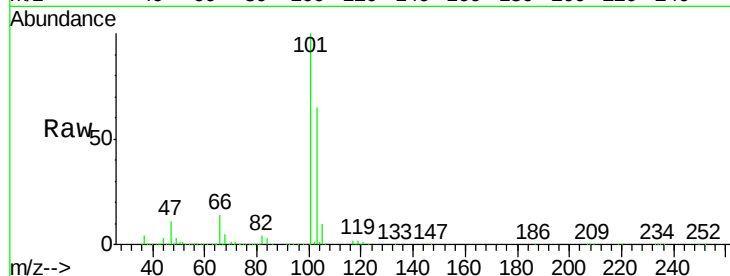
Trichlorofluoromethane
Concen: 41.273 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.7	77.5

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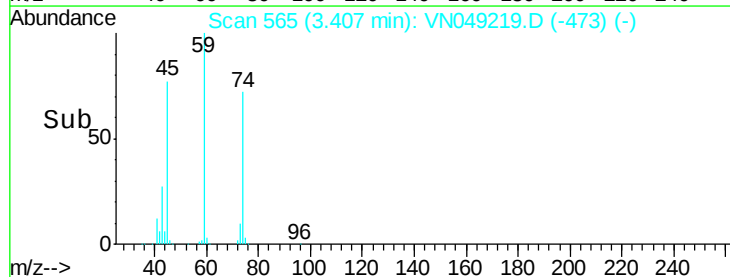
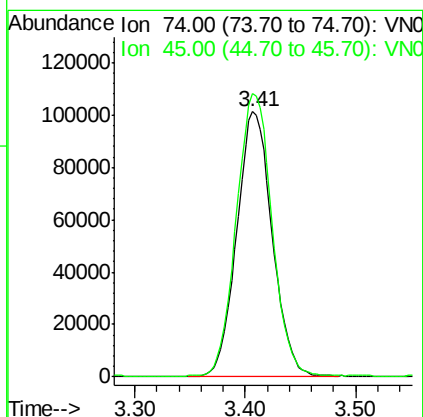
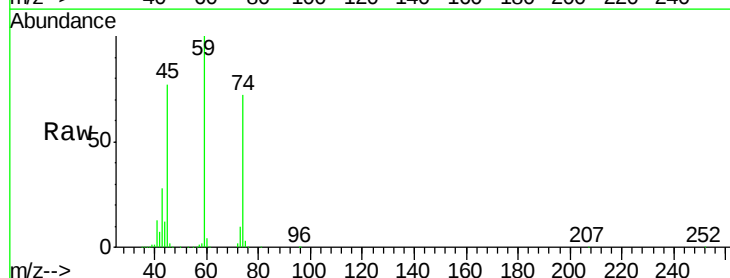
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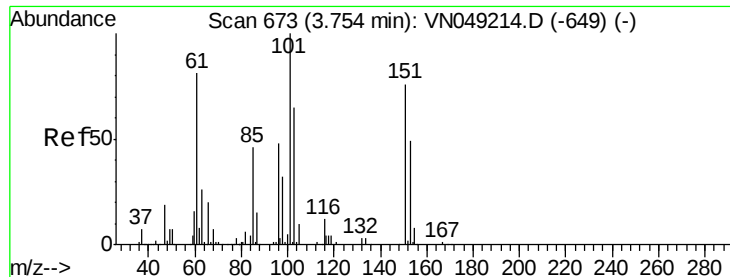


#8

Diethyl Ether
Concen: 33.259 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.1	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 33.092 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

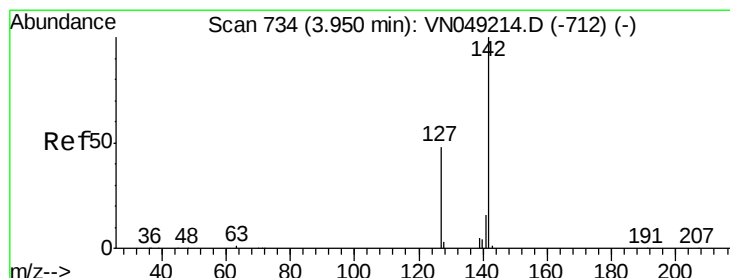
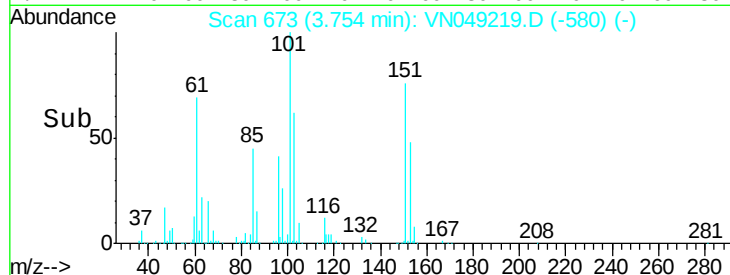
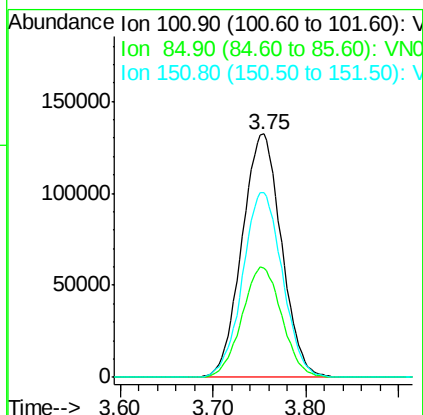
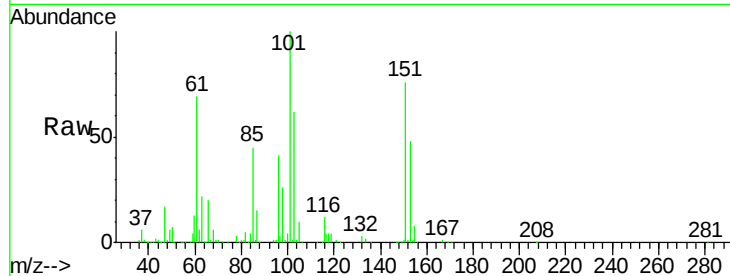
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	391710
Ion Ratio	Lower	Upper	
101	100		
85	45.6	37.6	56.4
151	76.4	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 35.976 ug/l

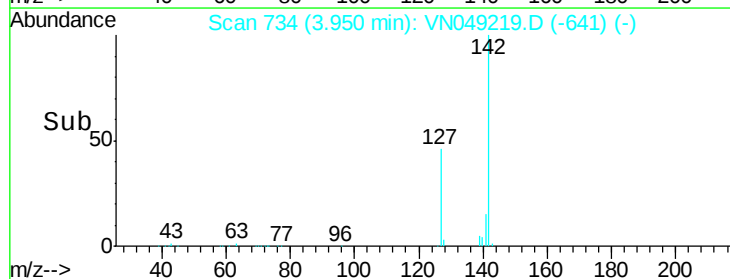
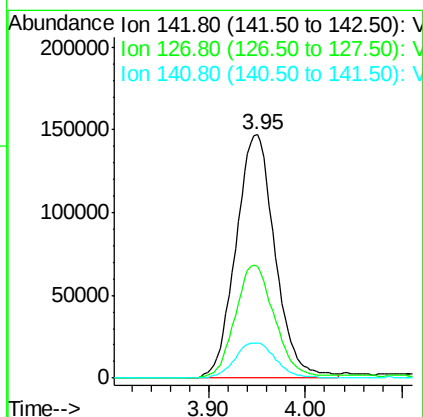
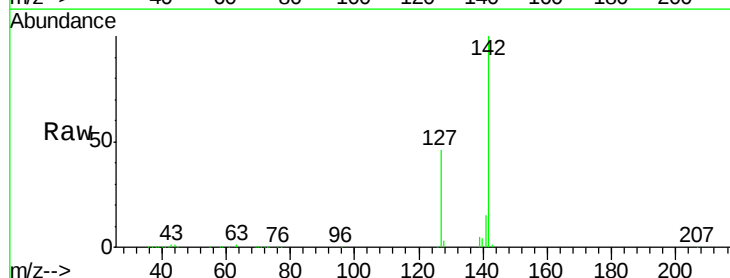
RT: 3.95 min Scan# 734

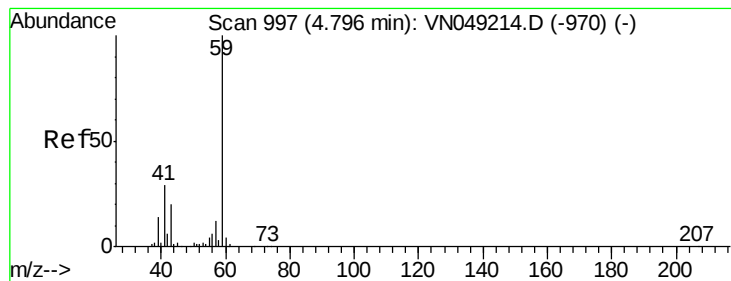
Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Tgt Ion:	142	Resp:	414065
Ion Ratio	Lower	Upper	
142	100		
127	46.9	38.2	57.4
141	15.1	11.9	17.9





#11

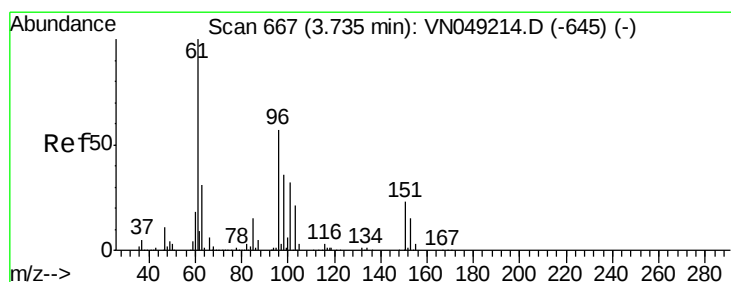
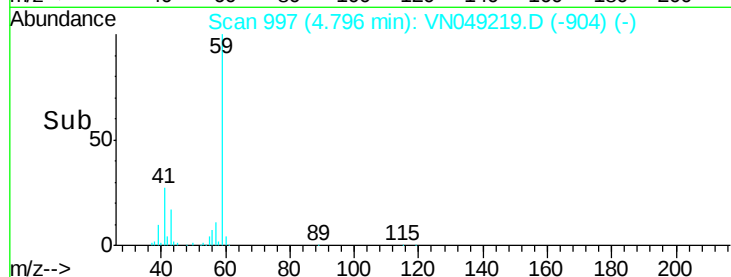
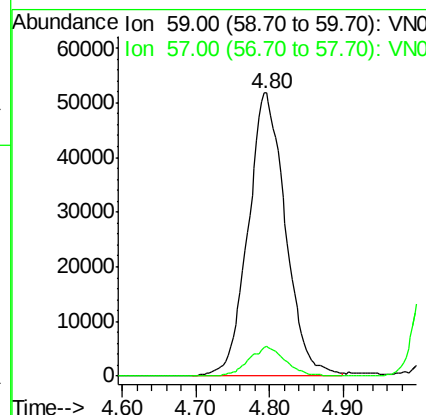
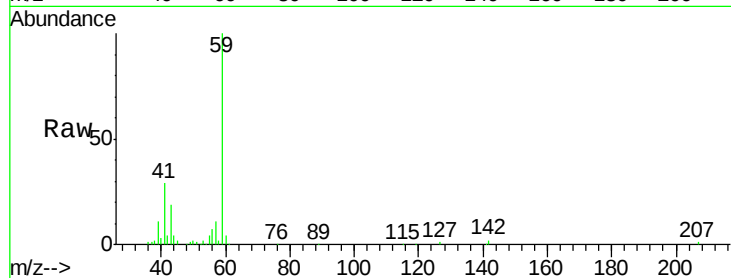
Tert butyl alcohol
Concen: 241.855 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	183180
Ion Ratio	100	Lower	Upper
57	10.1	9.0	13.6

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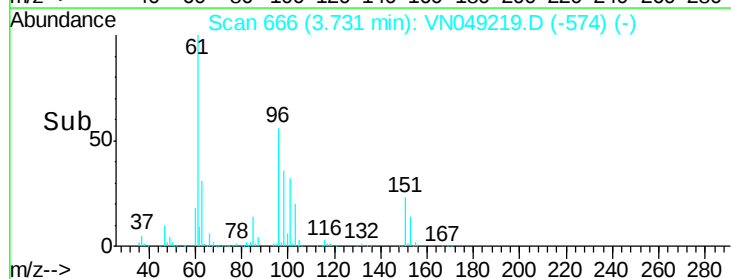
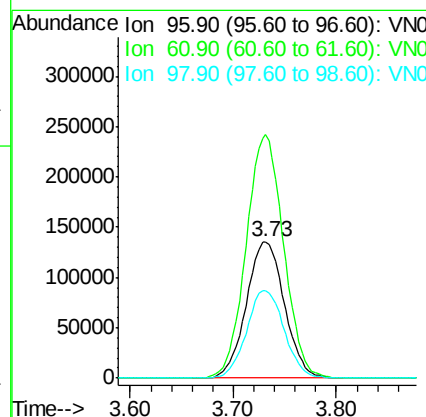
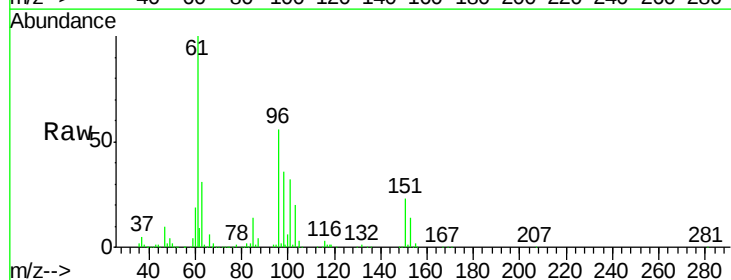
MMDadoda
6/15/2018 1:15:18 PM

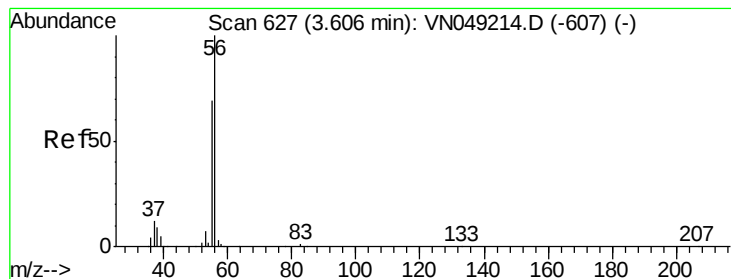


#12

1,1-Dichloroethene
Concen: 32.292 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Tgt Ion	96	Resp	347082
Ion Ratio	100	Lower	Upper
61	178.1	141.0	211.4
98	64.2	50.4	75.6





#13

Acrolein

Concen: 183.501 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 189230

Ion Ratio Lower Upper

56 100

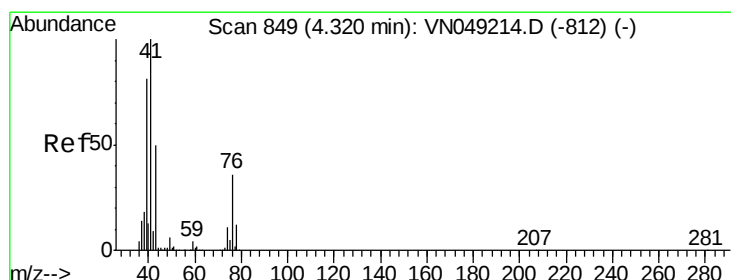
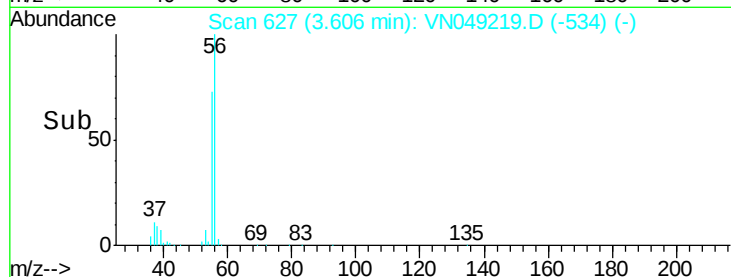
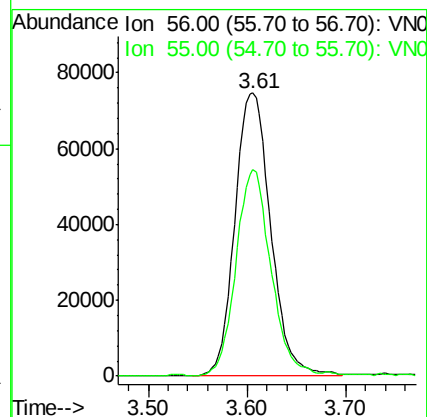
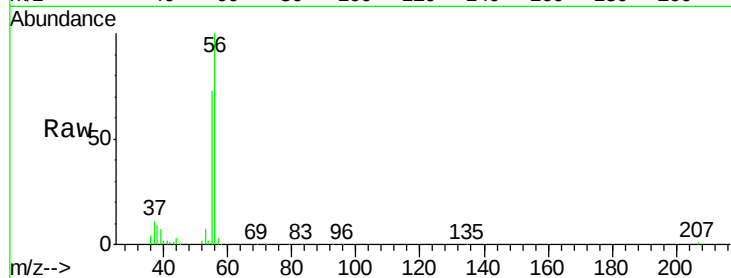
55 70.4 57.1 85.7

Manual Integrations

APPROVED

MMDadoda

6/15/2018 1:15:18 PM



#14

Allyl chloride

Concen: 33.785 ug/l

RT: 4.32 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

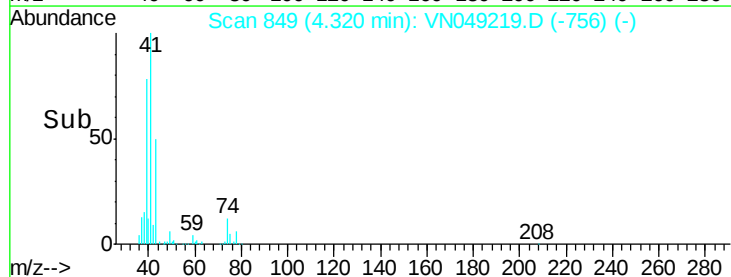
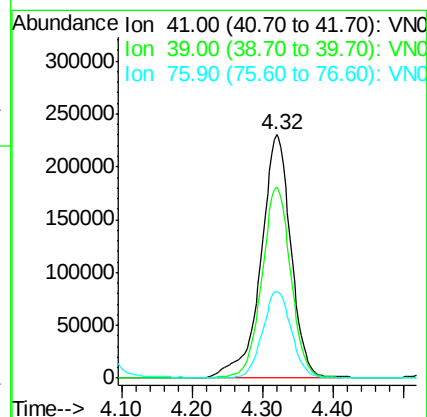
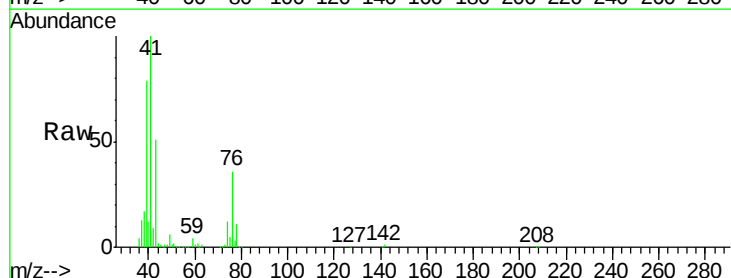
Tgt Ion: 41 Resp: 681933

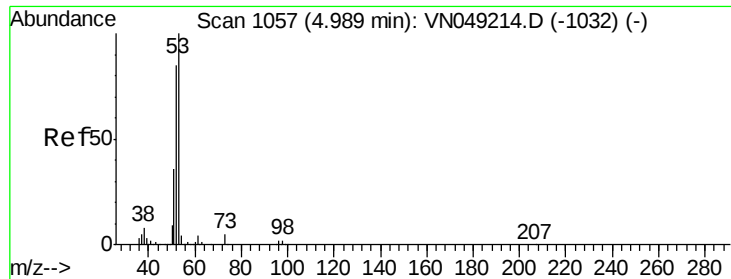
Ion Ratio Lower Upper

41 100

39 76.2 62.5 93.7

76 33.7 27.1 40.7





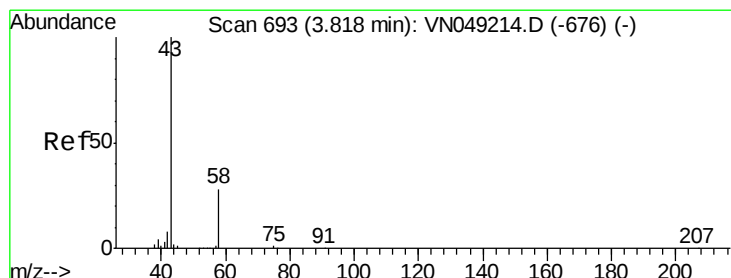
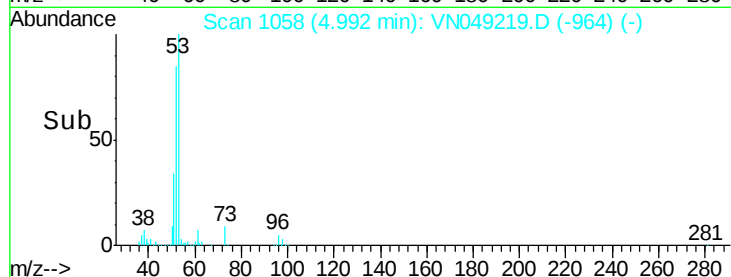
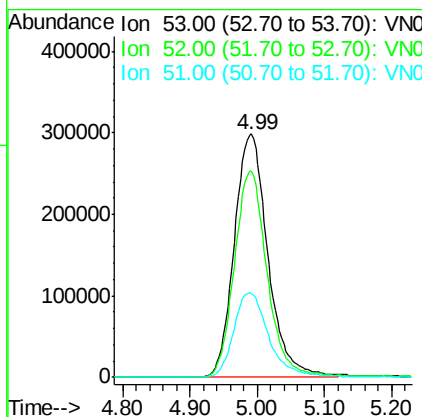
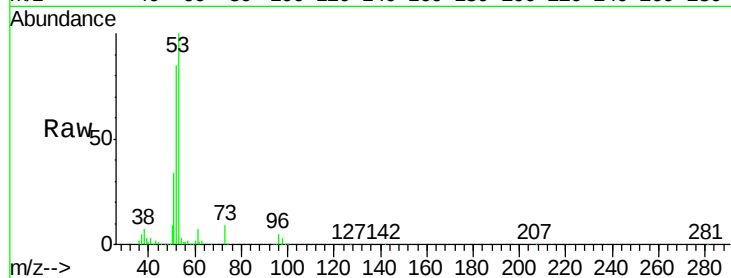
#15
 Acrylonitrile
 Concen: 254.675 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049219.D
 Acq: 14 Jun 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.6	100.0
51	35.9	29.8	44.8

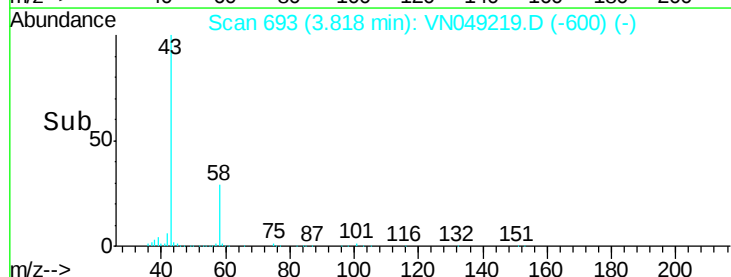
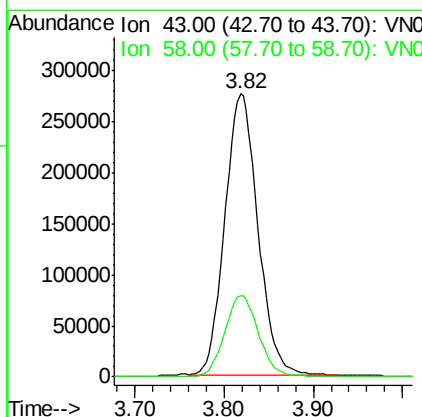
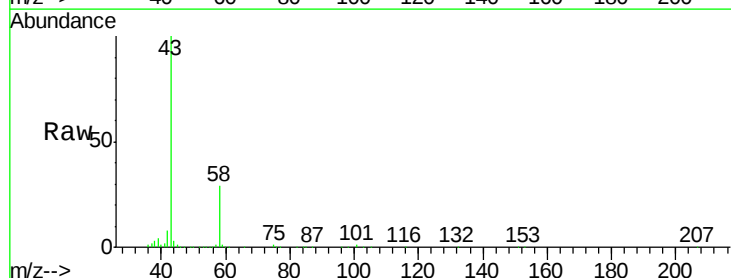
Manual Integrations
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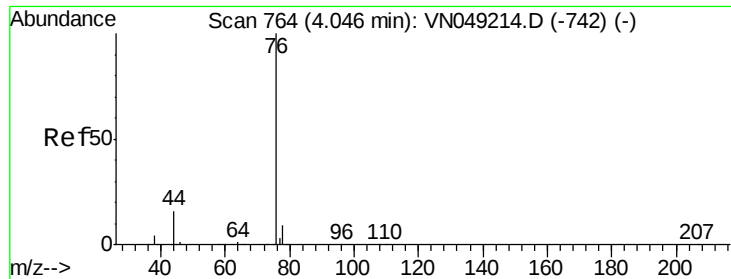
MMDadoda
 6/15/2018 1:15:18 PM



#16
 Acetone
 Concen: 213.359 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049219.D
 Acq: 14 Jun 2018 11:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.7	22.4	33.6





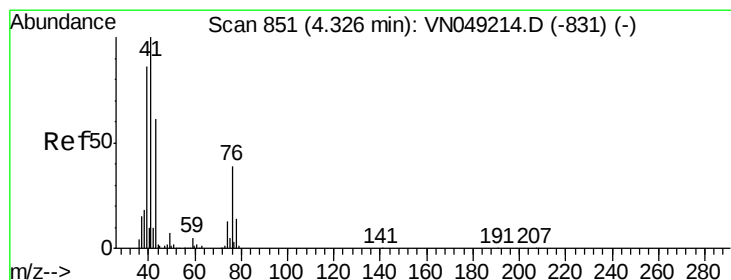
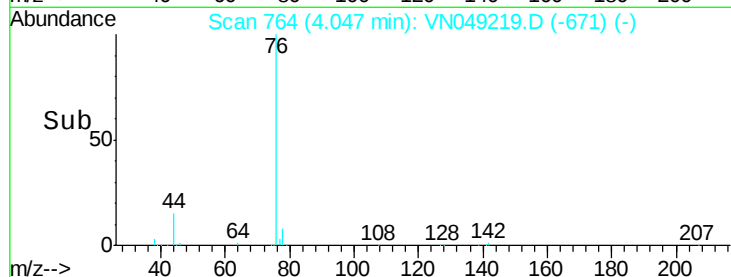
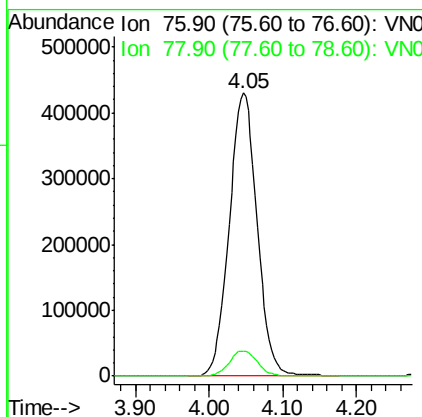
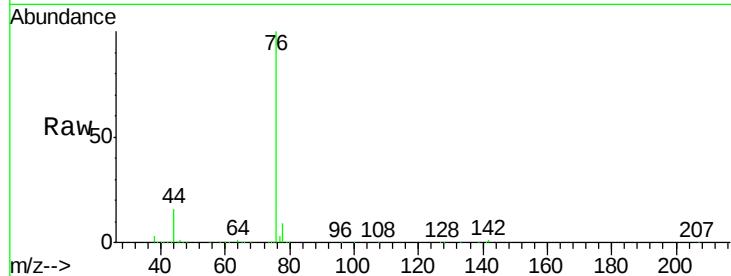
#17
Carbon Disulfide
Concen: 30.844 ug/l
RT: 4.05 min Scan# 764
Delta R.T. 0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1130928
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

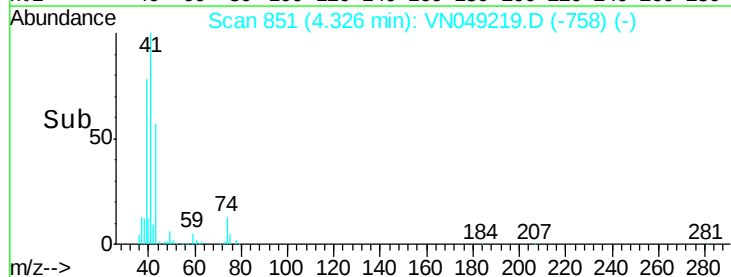
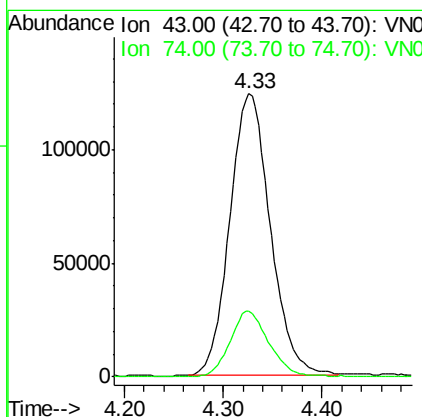
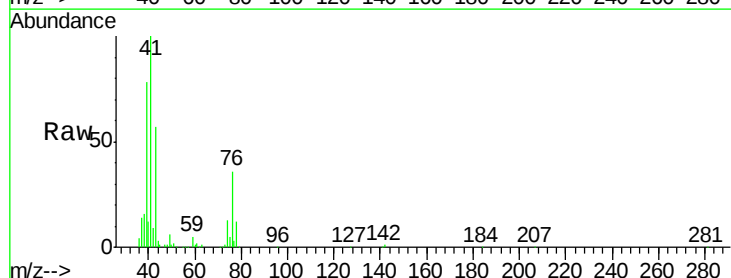
Manual Integrations
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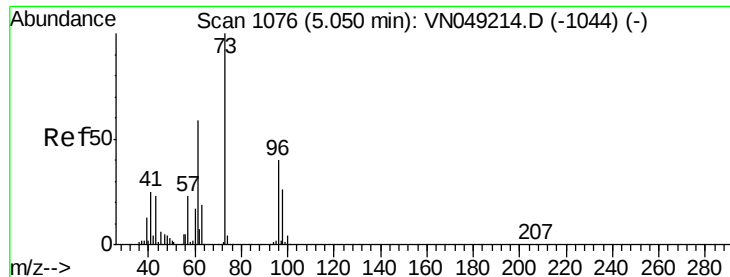
MMDadoda
6/15/2018 1:15:18 PM



#18
Methyl Acetate
Concen: 35.082 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Tgt Ion: 43 Resp: 354081
Ion Ratio Lower Upper
43 100
74 22.4 17.4 26.0





#19

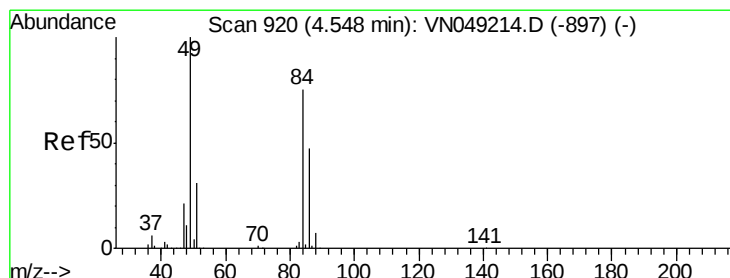
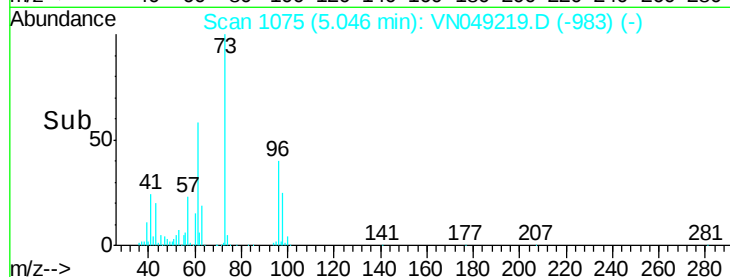
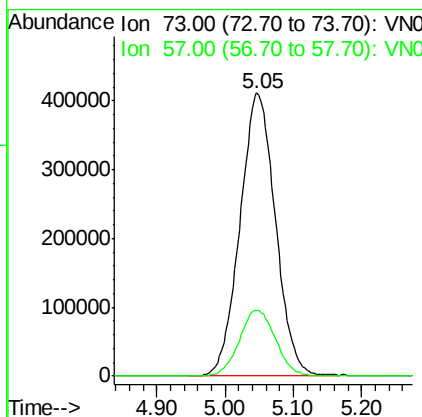
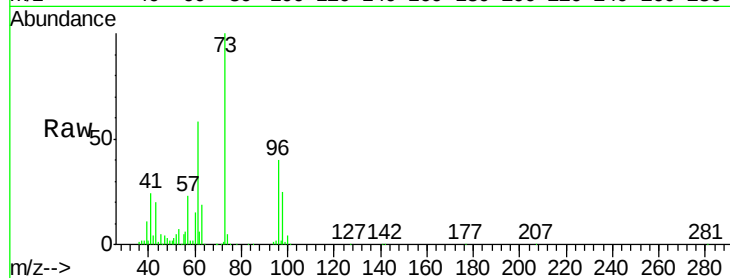
Methyl tert-butyl Ether
 Concen: 50.758 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN049219.D
 Acq: 14 Jun 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 1486476
 Ion Ratio Lower Upper
 73 100
 57 23.4 18.2 27.4

Manual Integrations
 APPROVED

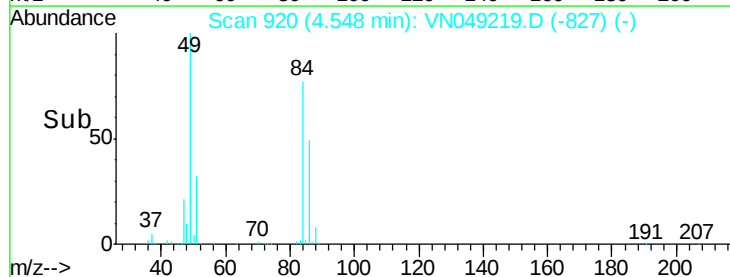
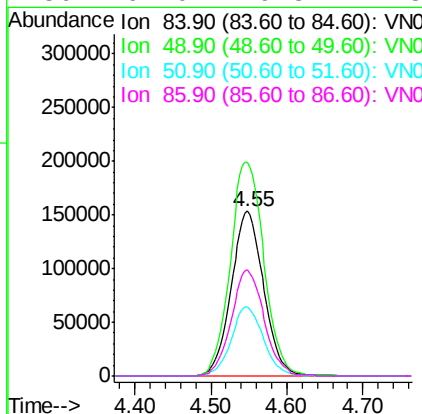
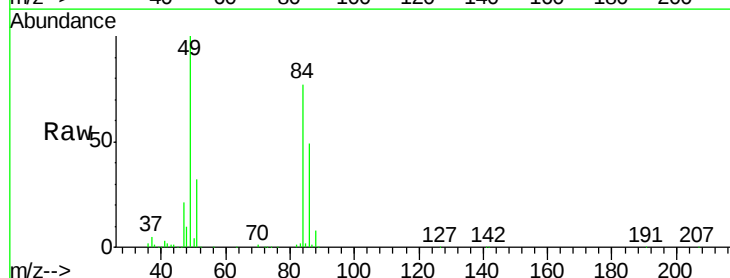
MMDadoda
 6/15/2018 1:15:18 PM

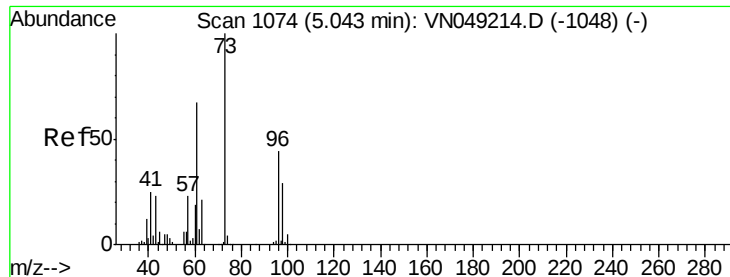


#20

Methylene Chloride
 Concen: 33.757 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN049219.D
 Acq: 14 Jun 2018 11:07

Tgt Ion: 84 Resp: 455154
 Ion Ratio Lower Upper
 84 100
 49 129.3 106.9 160.3
 51 41.8 32.7 49.1
 86 64.0 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 45.326 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 540067

Ion Ratio Lower Upper

96 100

61 151.1 121.3 181.9

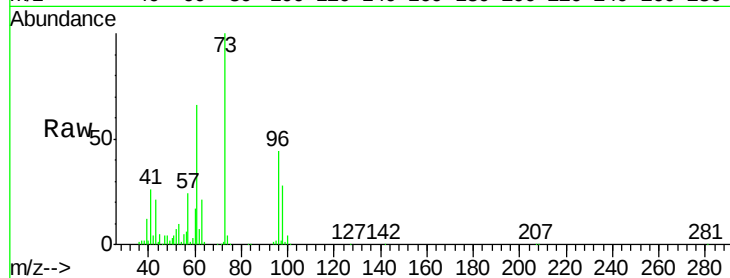
98 64.8 52.0 78.0

Manual Integrations

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MMDadoda

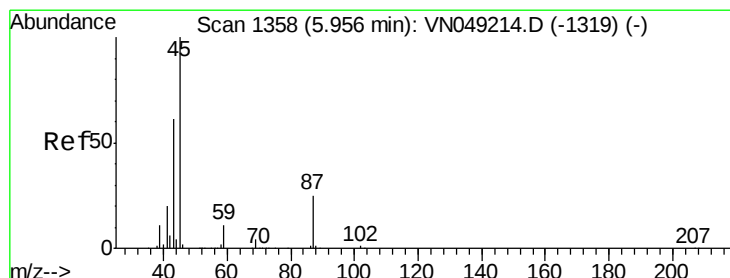
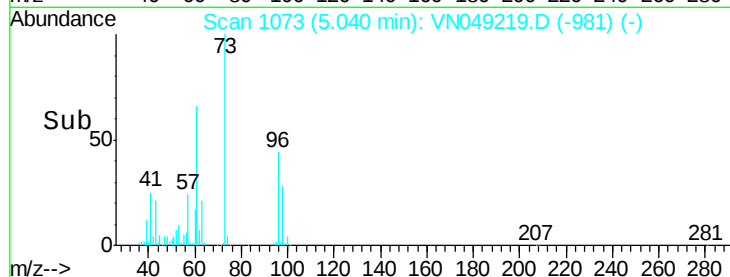
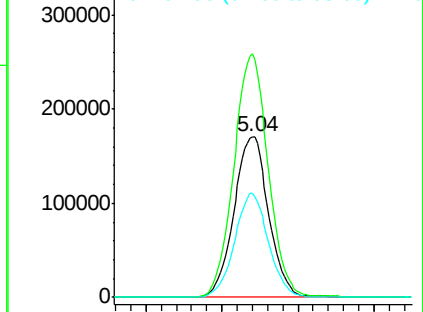
6/15/2018 1:15:18 PM



Abundance Ion 95.90 (95.60 to 96.60): VN049219.D (-981) (-)

Ion 60.90 (60.60 to 61.60): VN049219.D (-981) (-)

Ion 97.90 (97.60 to 98.60): VN049219.D (-981) (-)



#22

Diisopropyl ether

Concen: 51.138 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Tgt Ion: 45 Resp: 2060279

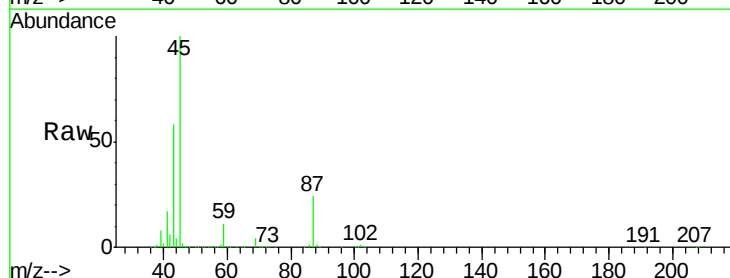
Ion Ratio Lower Upper

45 100

43 57.1 48.6 72.8

87 24.2 20.2 30.2

59 11.2 9.0 13.4

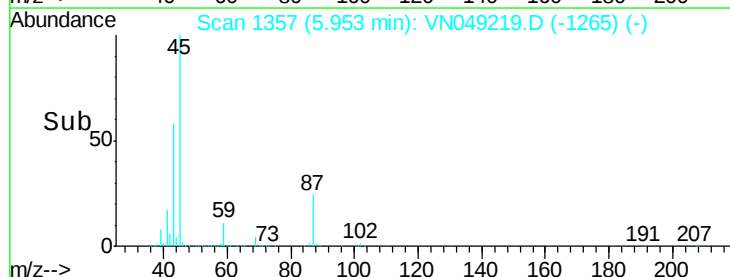
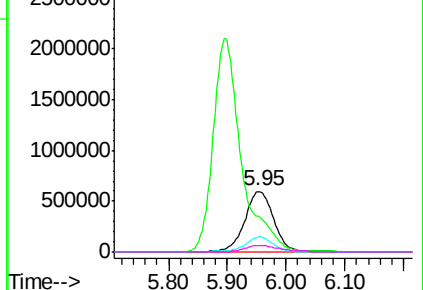


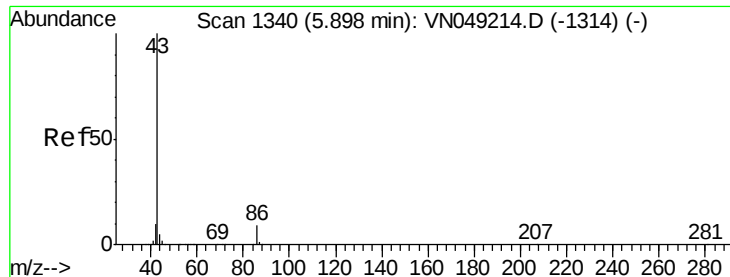
Abundance Ion 45.00 (44.70 to 45.70): VN049219.D (-1265) (-)

Ion 43.00 (42.70 to 43.70): VN049219.D (-1265) (-)

Ion 87.00 (86.70 to 87.70): VN049219.D (-1265) (-)

Ion 59.00 (58.70 to 59.70): VN049219.D (-1265) (-)





#23

Vinyl Acetate

Concen: 263.509 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 7017530

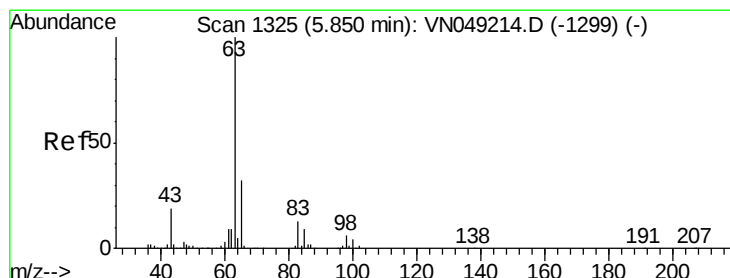
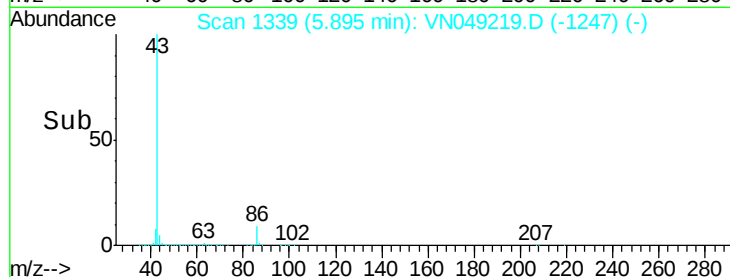
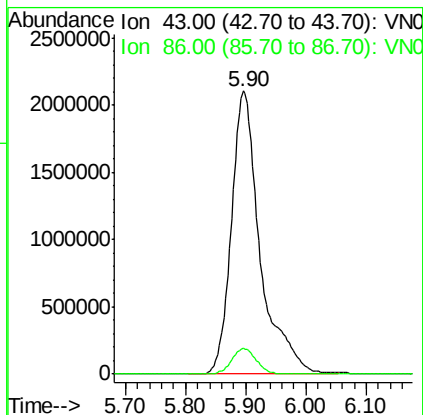
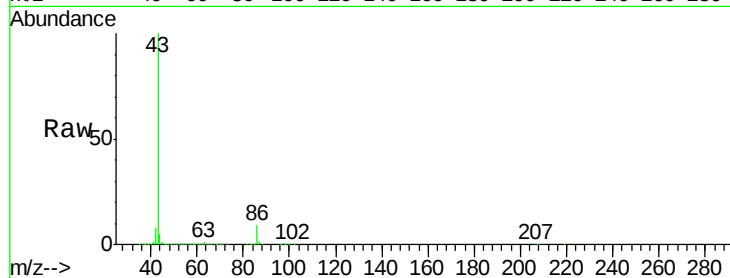
Ion Ratio Lower Upper

43 100

86 9.0 7.2 10.8

Manual Integrations
APPROVED

MMDadoda
6/15/2018 1:15:18 PM



#24

1,1-Dichloroethane

Concen: 46.827 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

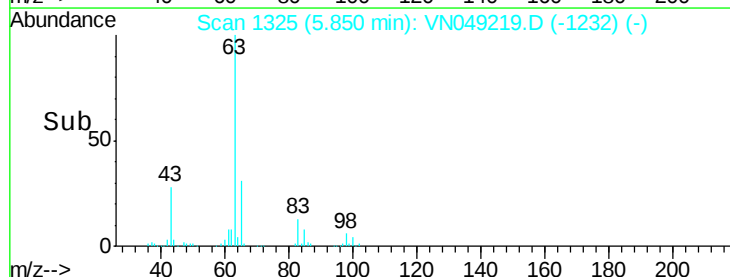
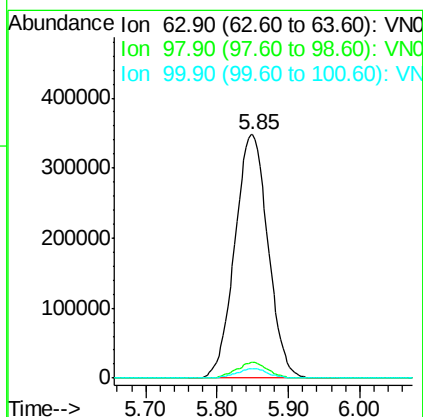
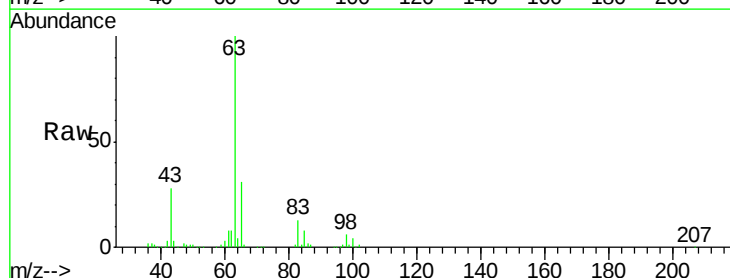
Tgt Ion: 63 Resp: 1124266

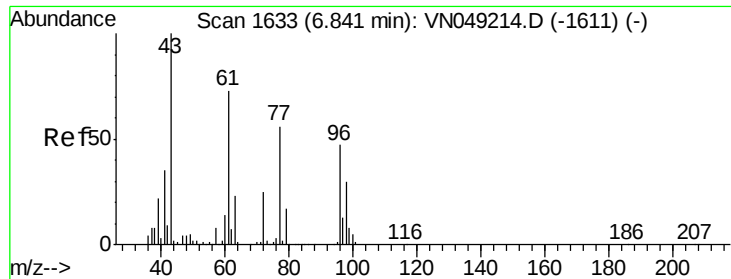
Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

100 3.6 2.1 6.3





#25

2-Butanone

Concen: 268.935 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1278536

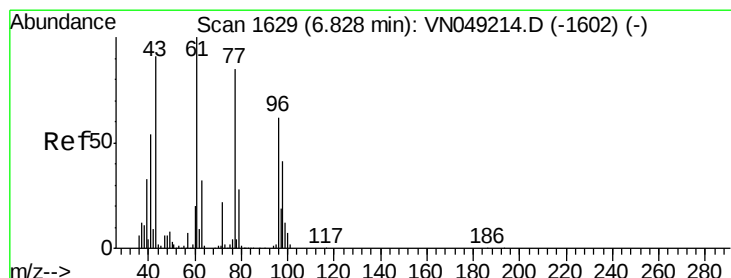
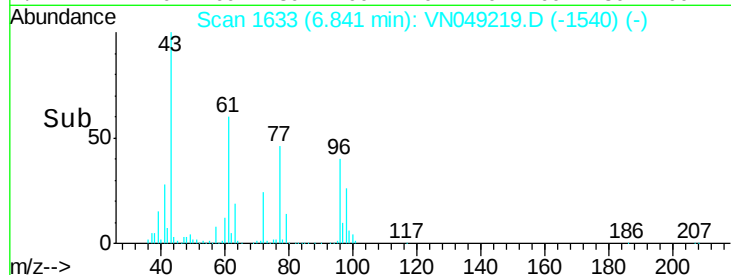
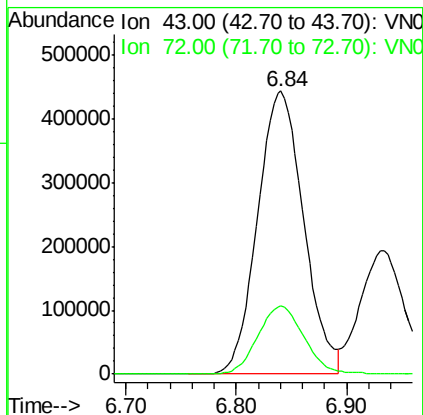
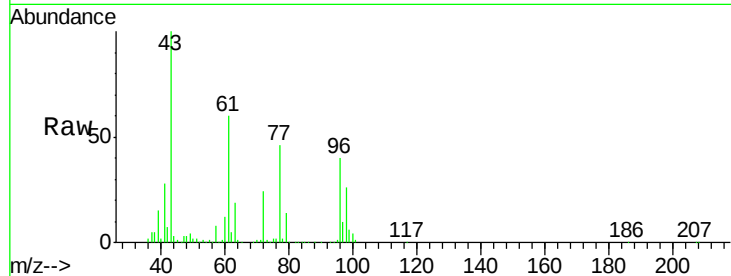
Ion Ratio Lower Upper

43 100

72 24.0 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 48.170 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN049219.D

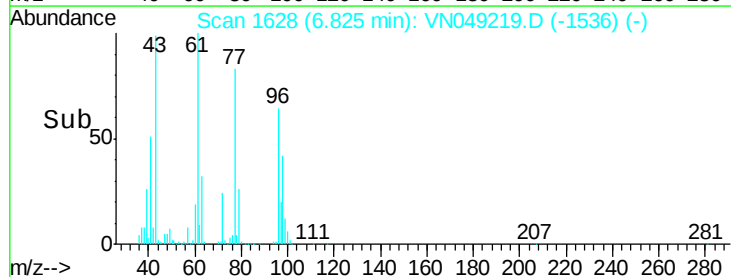
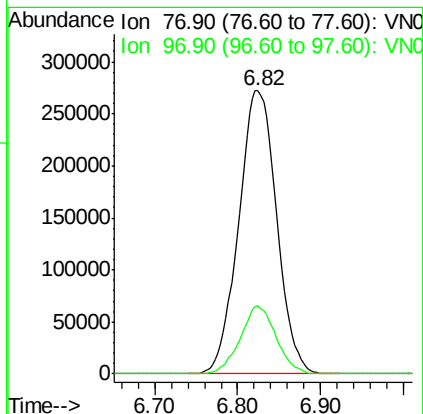
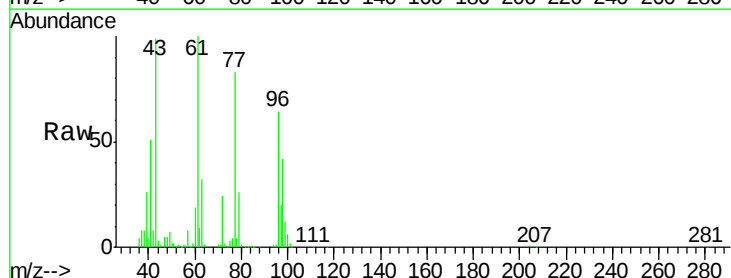
Acq: 14 Jun 2018 11:07

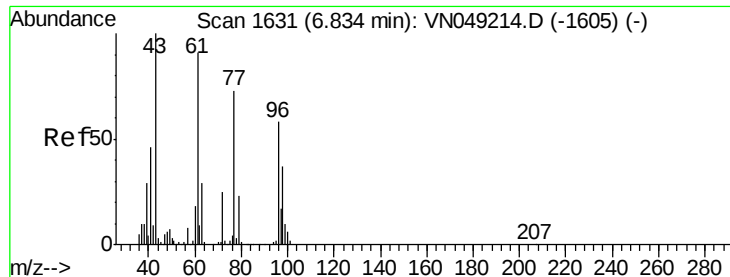
Tgt Ion: 77 Resp: 867228

Ion Ratio Lower Upper

77 100

97 22.6 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 48.072 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

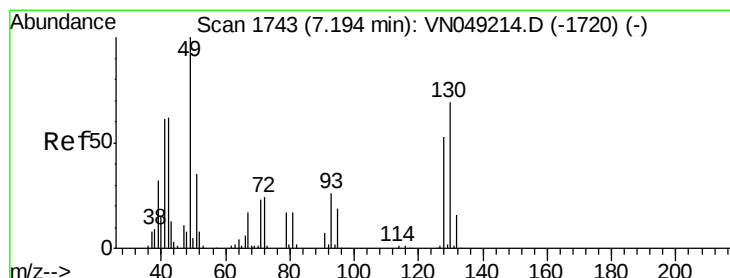
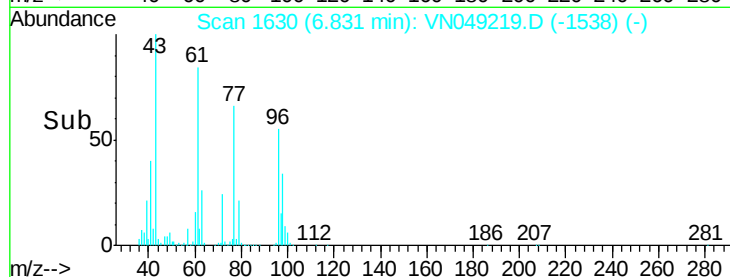
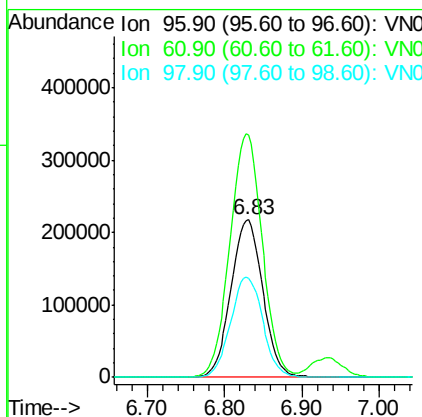
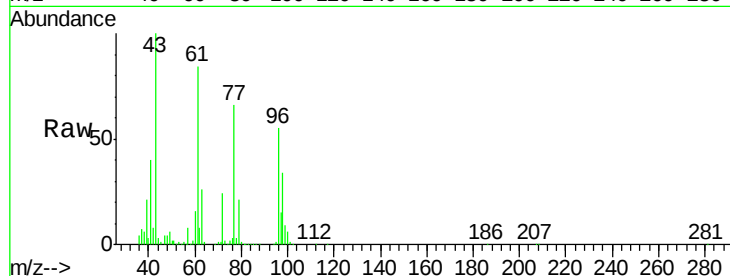
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	623783
Ion	Ratio	Lower	Upper
96	100		
61	156.3	0.0	316.4
98	64.3	0.0	128.4

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#28

Bromochloromethane

Concen: 50.268 ug/l

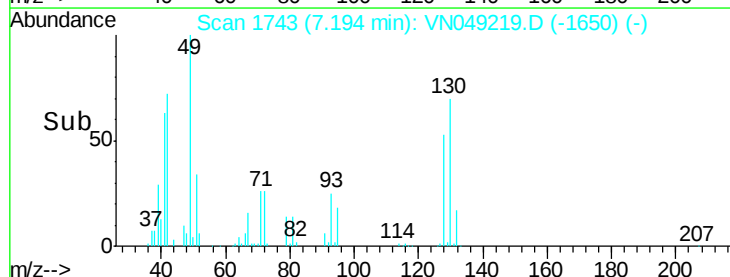
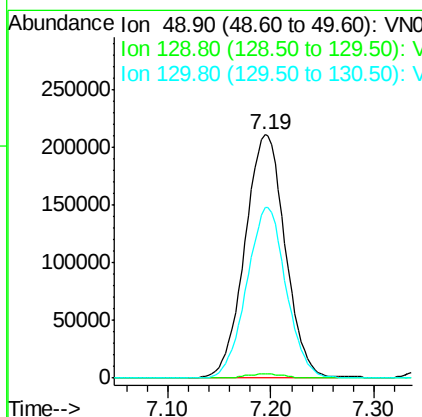
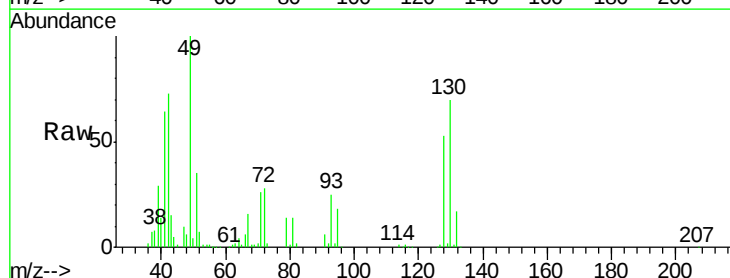
RT: 7.19 min Scan# 1743

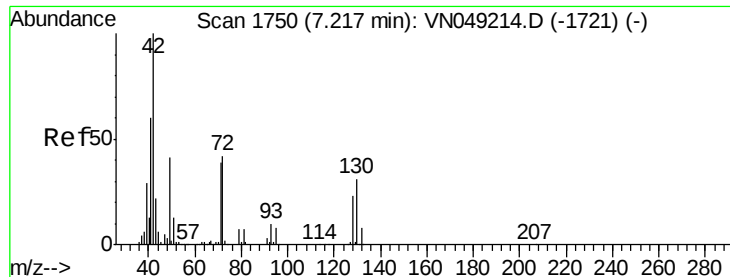
Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Tgt Ion:	49	Resp:	572807
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	68.6	54.9	82.3





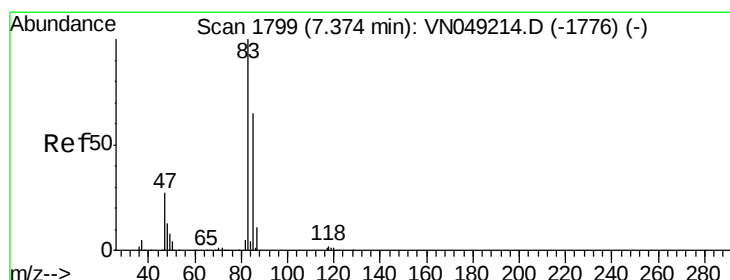
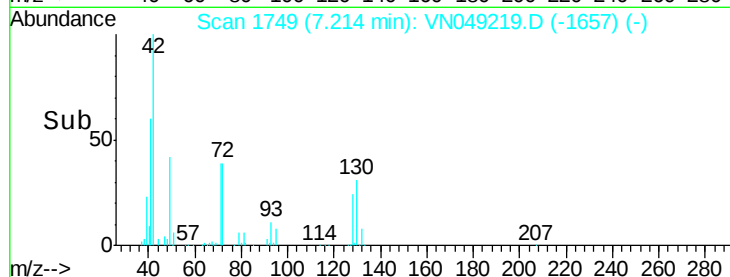
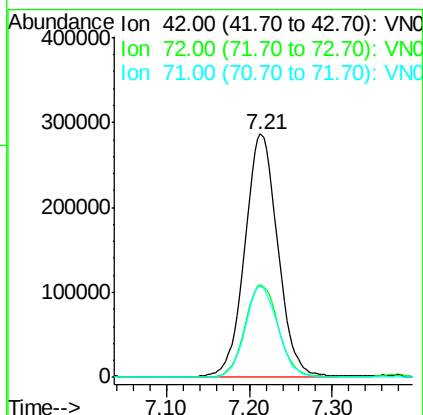
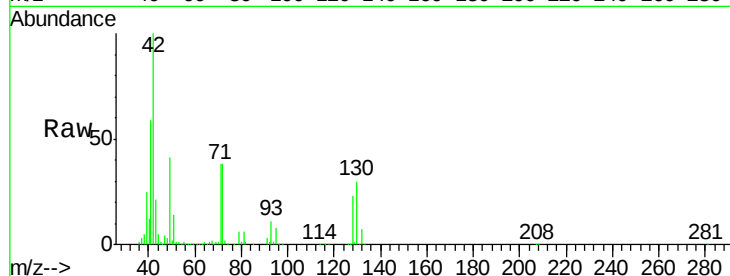
#29
Tetrahydrofuran
Concen: 258.533 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	32.2	48.4
71	37.2	30.5	45.7

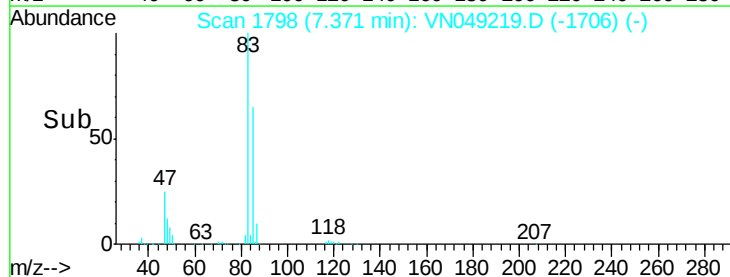
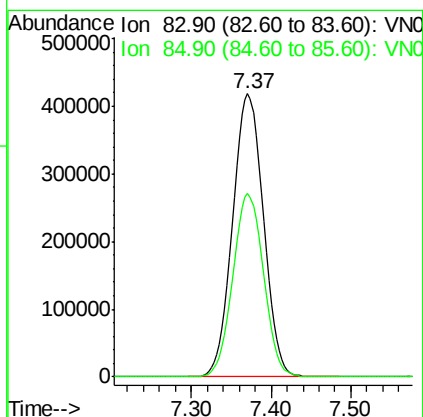
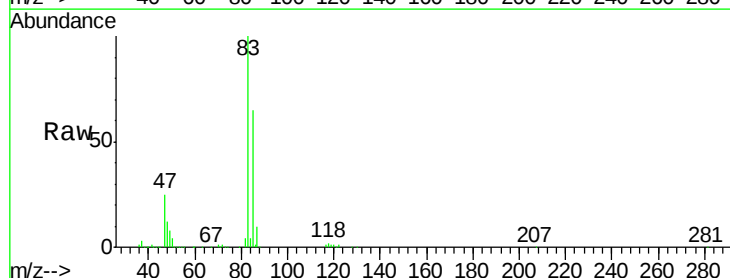
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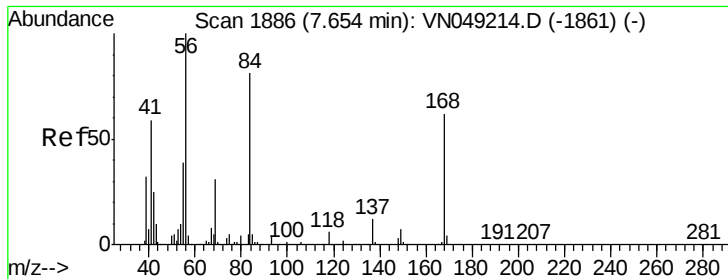
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#30
Chloroform
Concen: 47.287 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.7	77.5





#31

Cyclohexane

Concen: 47.524 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

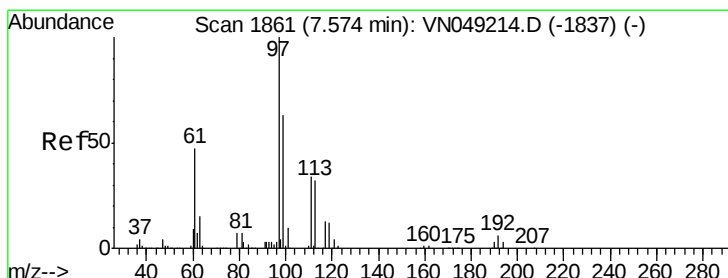
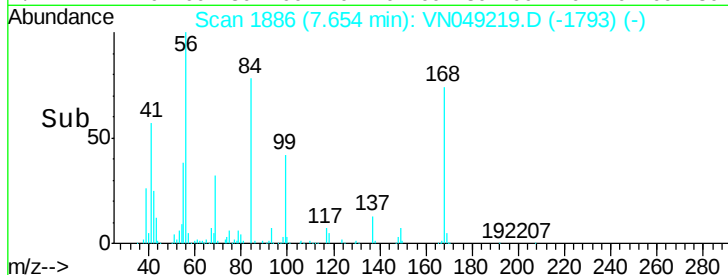
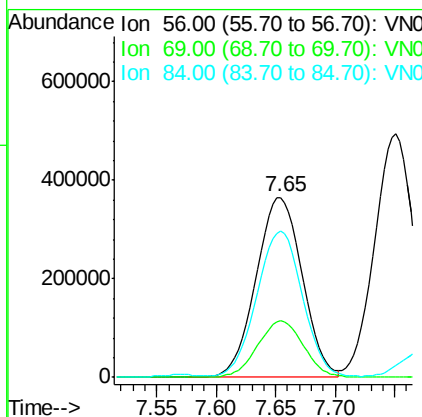
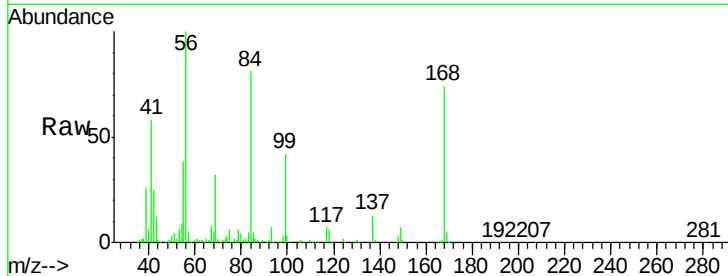
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	982679
Ion Ratio	Lower	Upper	
56	100		
69	31.5	25.0	37.4
84	80.1	64.6	96.8

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#32

1,1,1-Trichloroethane

Concen: 44.709 ug/l

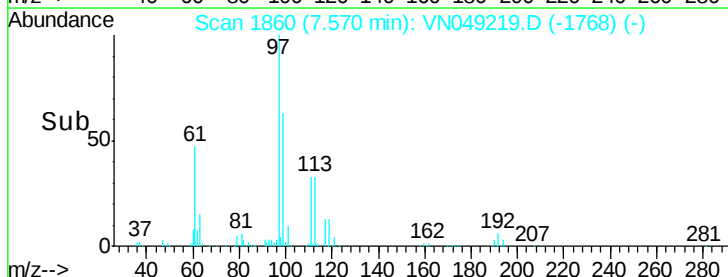
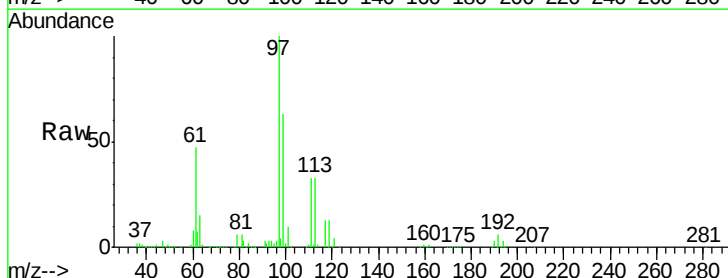
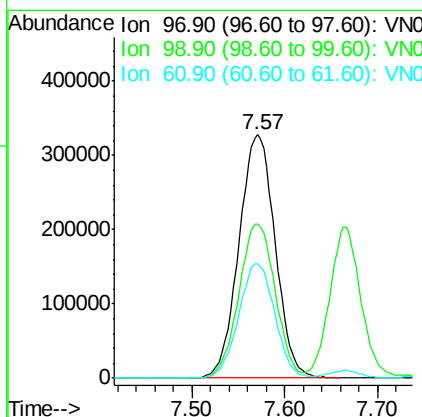
RT: 7.57 min Scan# 1860

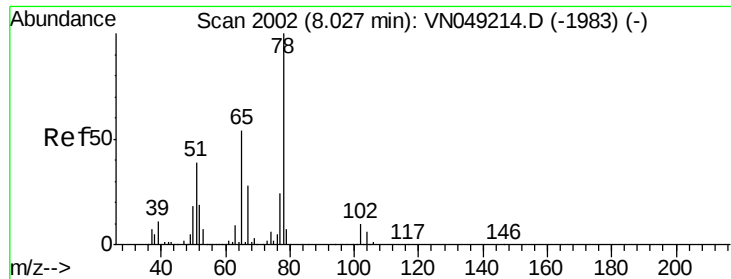
Delta R.T. -0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Tgt Ion:	97	Resp:	888346
Ion Ratio	Lower	Upper	
97	100		
99	63.6	50.5	75.7
61	46.9	37.9	56.9





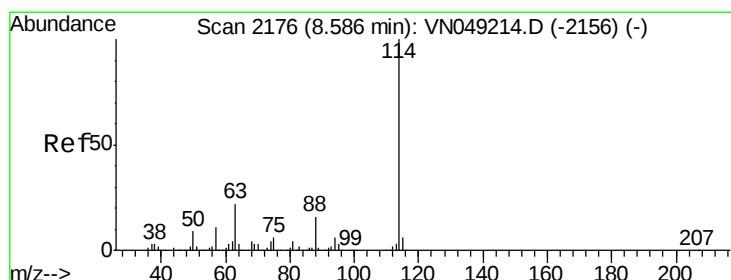
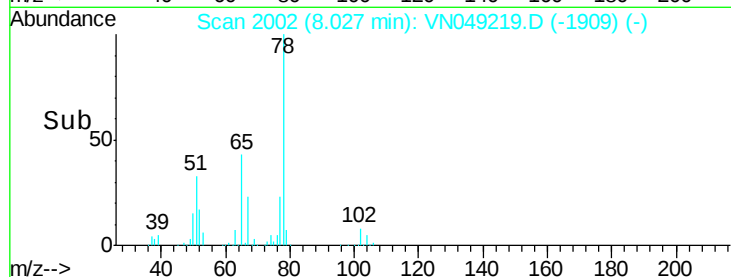
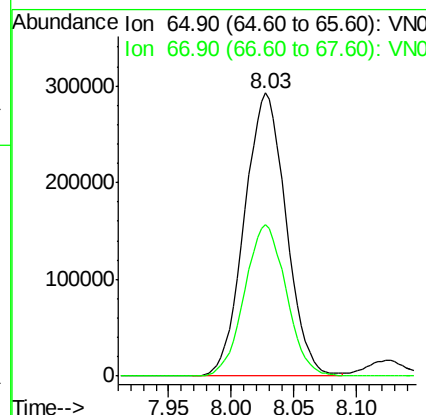
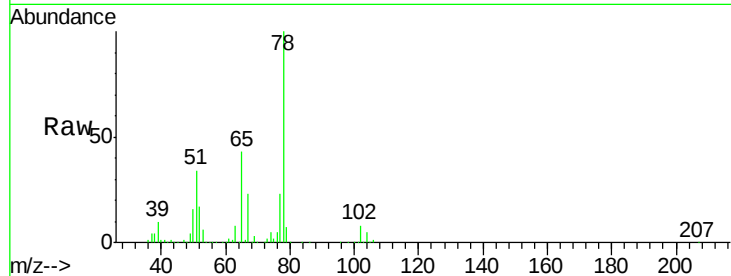
#33
 1,2-Dichloroethane-d4
 Concen: 48.724 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049219.D
 Acq: 14 Jun 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	103.8

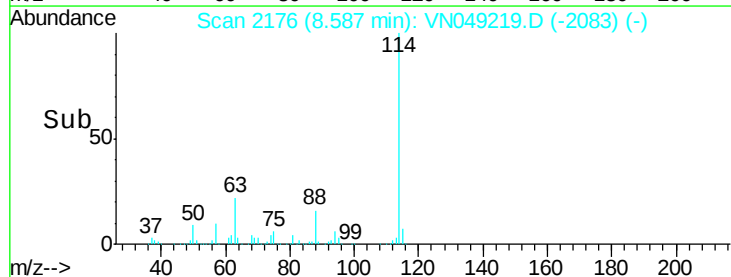
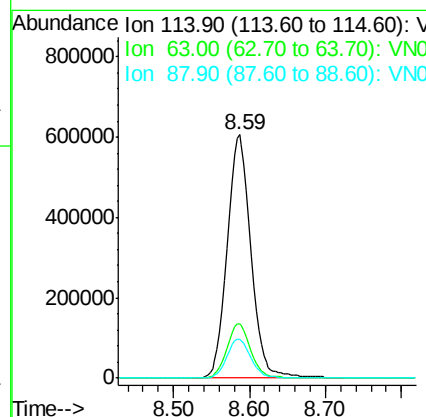
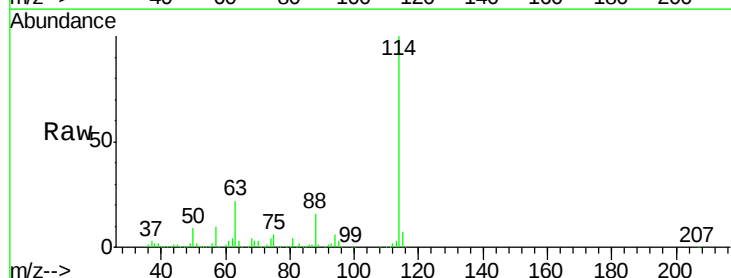
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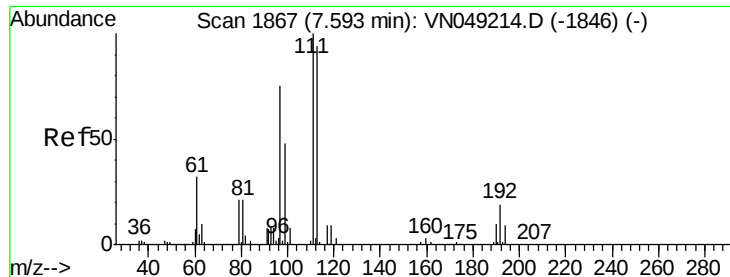
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049219.D
 Acq: 14 Jun 2018 11:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.4
88	16.1	0.0	31.4





#35

Dibromofluoromethane

Concen: 50.682 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

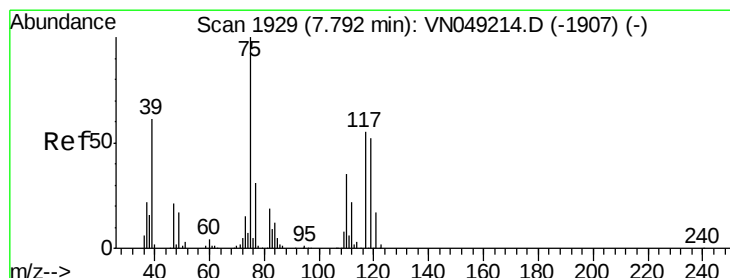
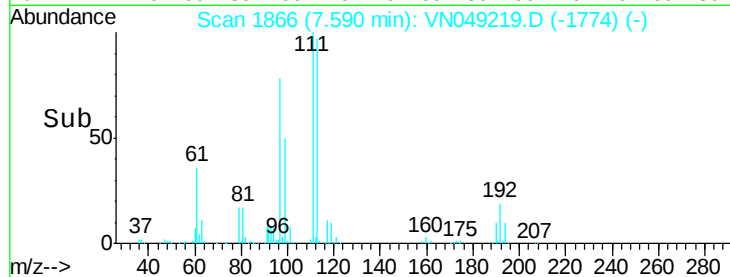
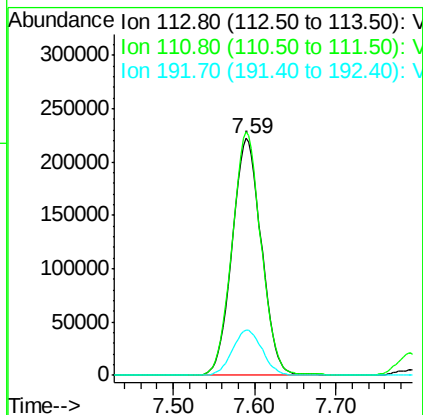
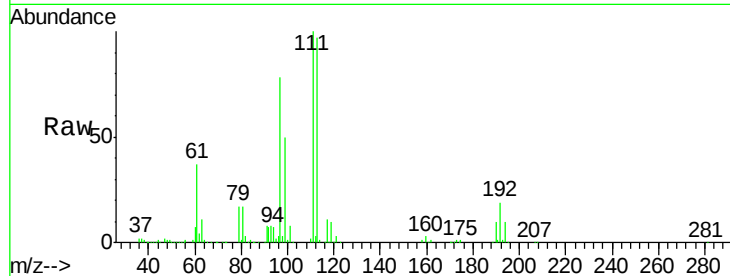
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	554540
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.4	123.6
192	19.6	15.0	22.6

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#36

1,1-Dichloropropene

Concen: 49.527 ug/l

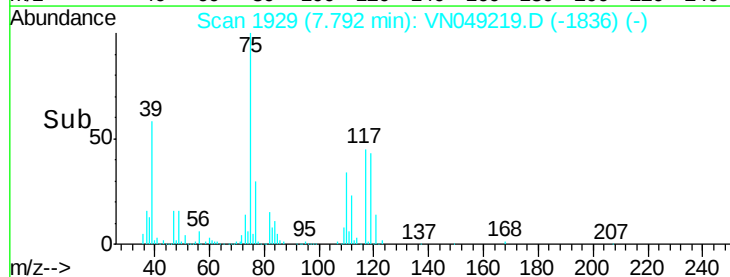
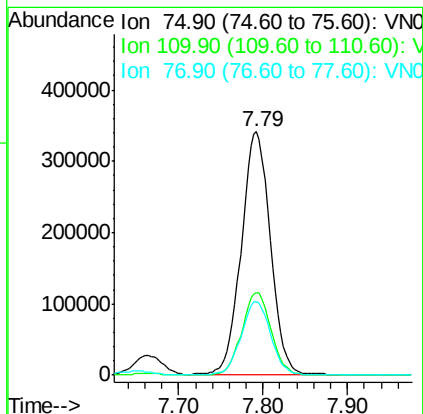
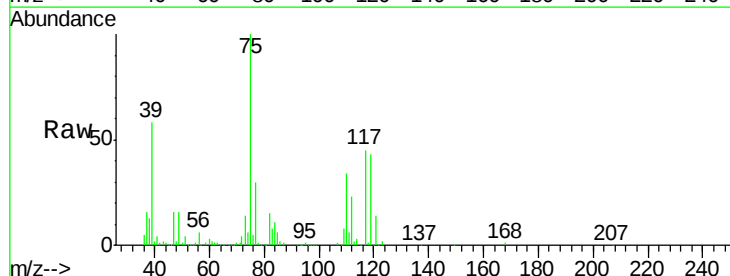
RT: 7.79 min Scan# 1929

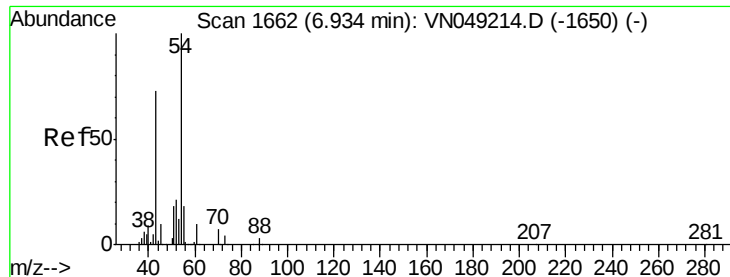
Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Tgt Ion:	75	Resp:	818014
Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.0	50.9
77	30.8	24.4	36.6





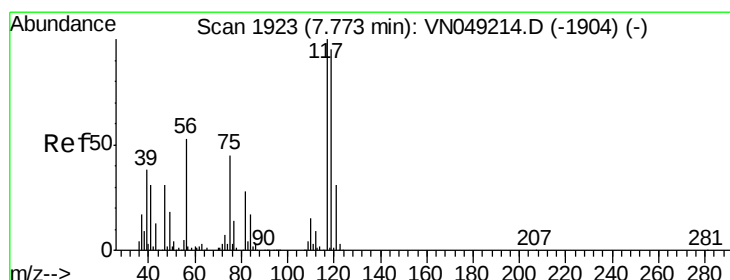
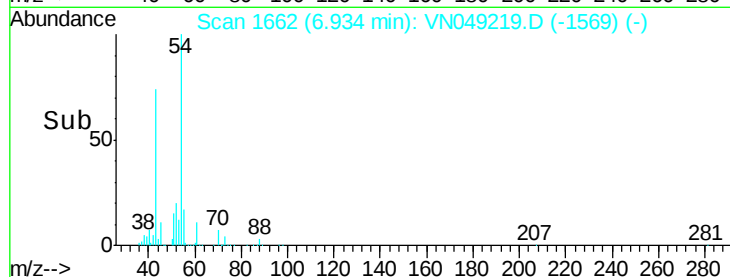
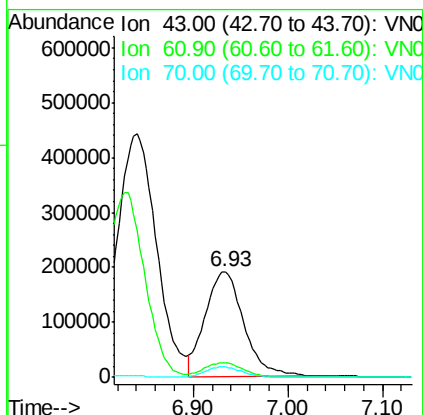
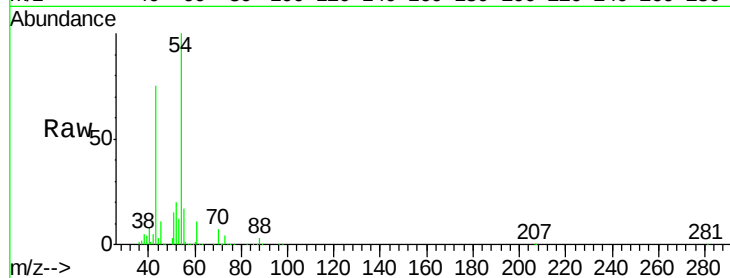
#37
Ethyl Acetate
Concen: 52.278 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	9.4	7.2	10.8

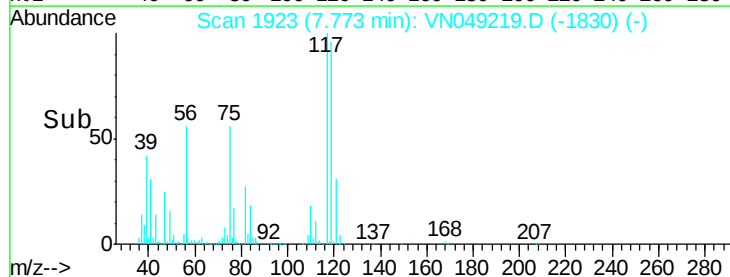
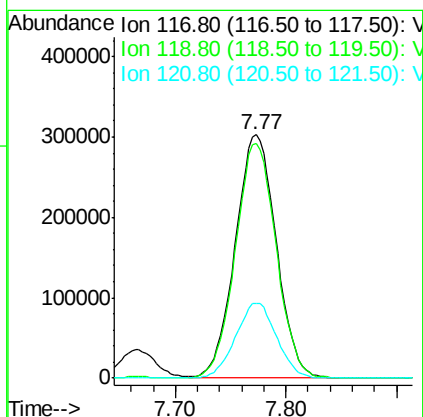
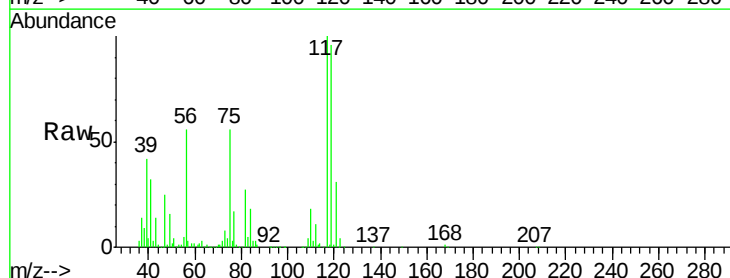
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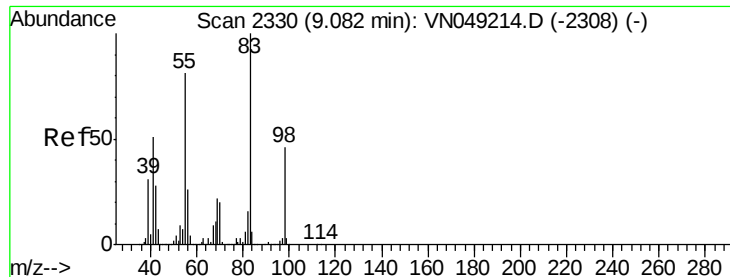
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#38
Carbon Tetrachloride
Concen: 46.608 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.6	113.4
121	30.9	24.7	37.1





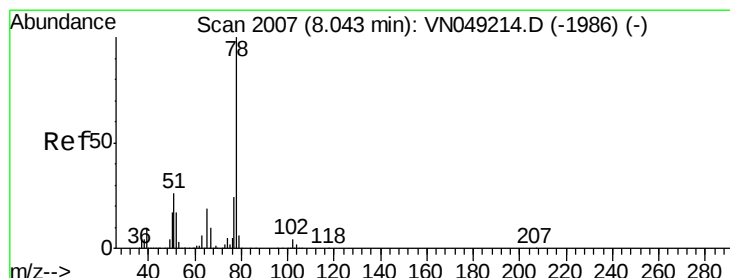
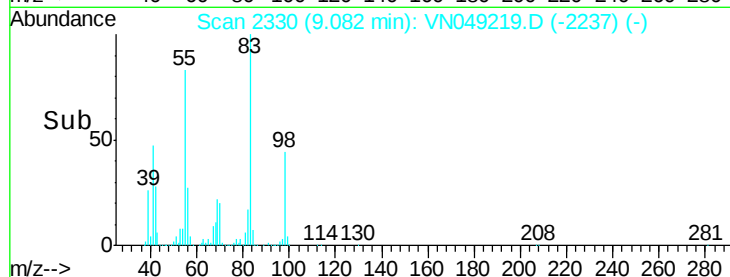
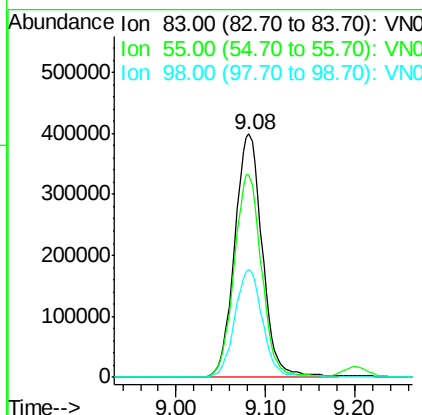
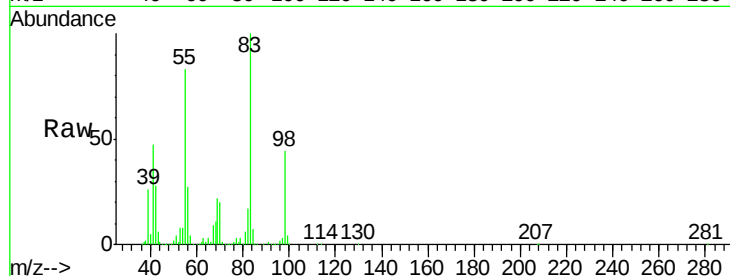
#39
Methvlcvclohexane
Concen: 50.299 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.1	65.1	97.7
98	44.3	36.5	54.7

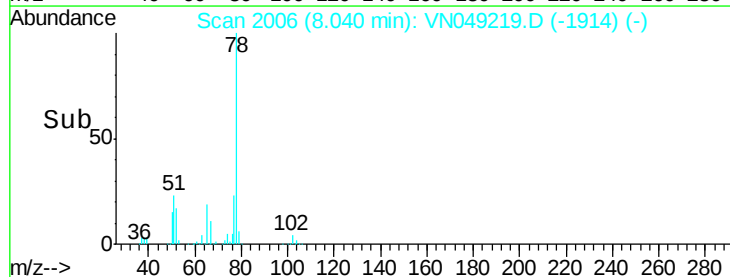
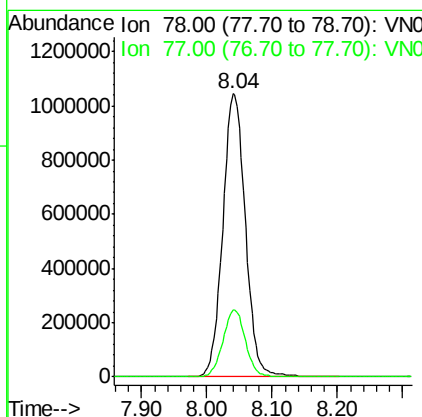
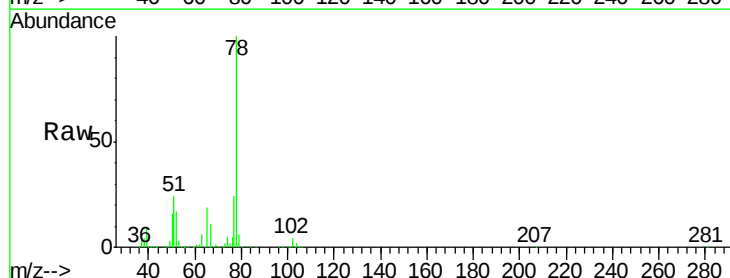
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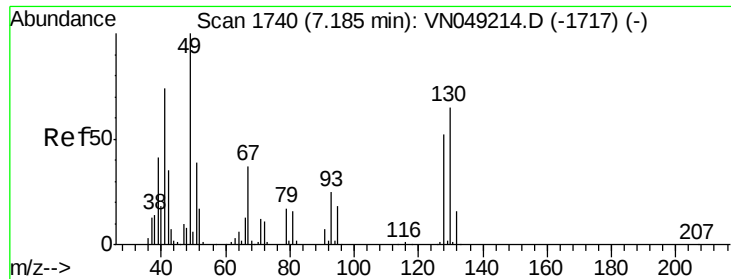
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#40
Benzene
Concen: 50.021 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.4	29.0





#41

Methacrylonitrile

Concen: 50.099 ug/l

RT: 7.17 min Scan# 1736

Delta R.T. -0.01 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 295517
Ion Ratio Lower Upper

41 100

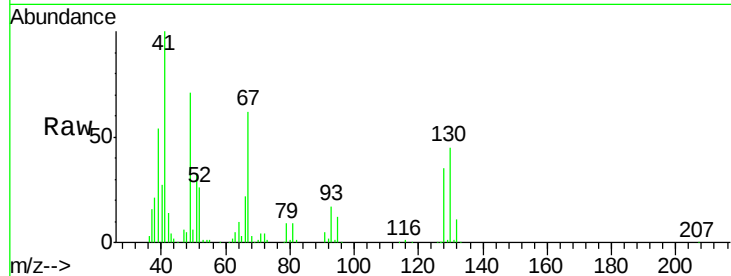
39 60.5 0.0 0.0#

67 77.0 0.0 0.0#

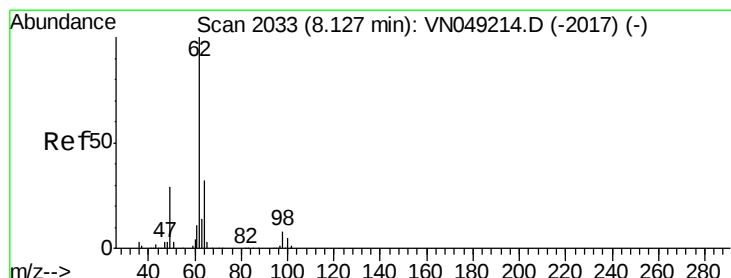
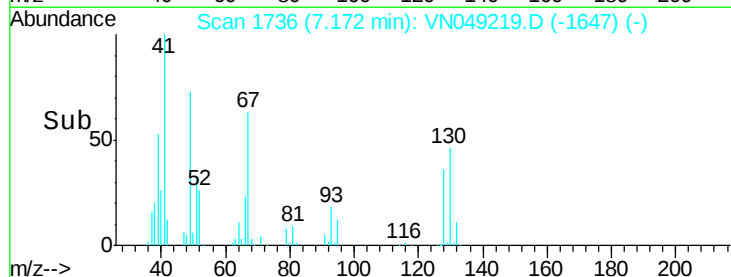
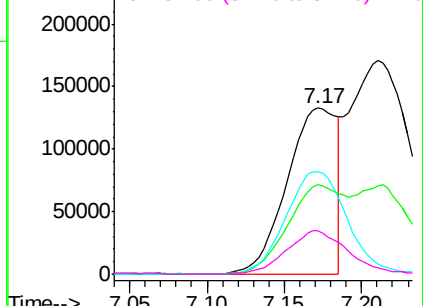
52 32.0 0.0 0.0#

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Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 49.699 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

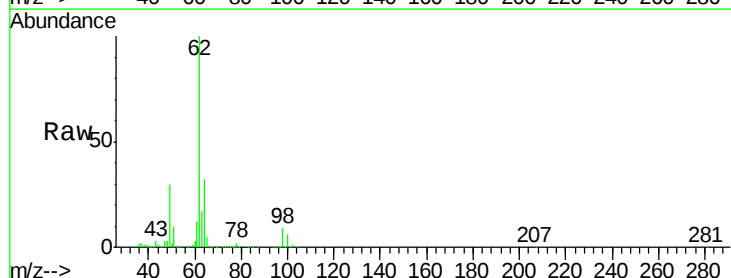
Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

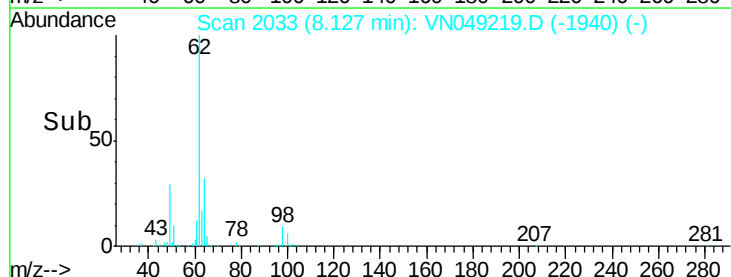
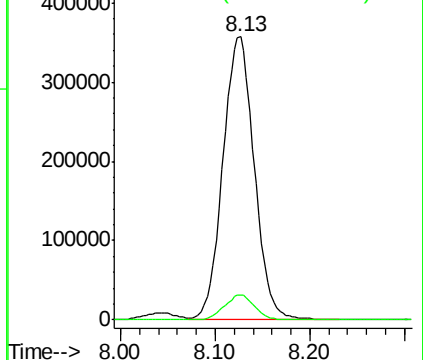
Tgt Ion: 62 Resp: 820756
Ion Ratio Lower Upper

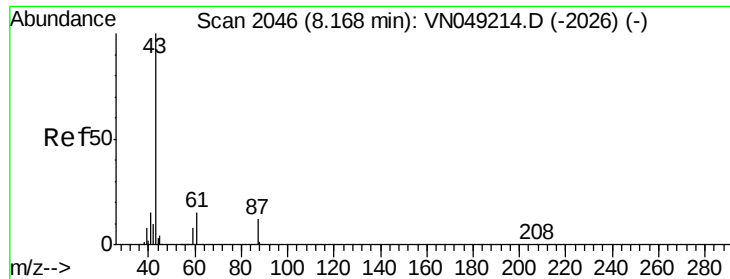
62 100

98 8.6 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 51.816 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

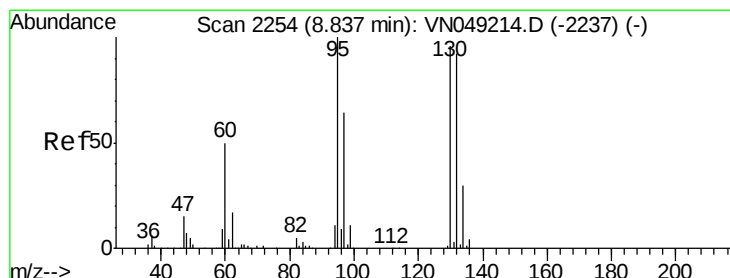
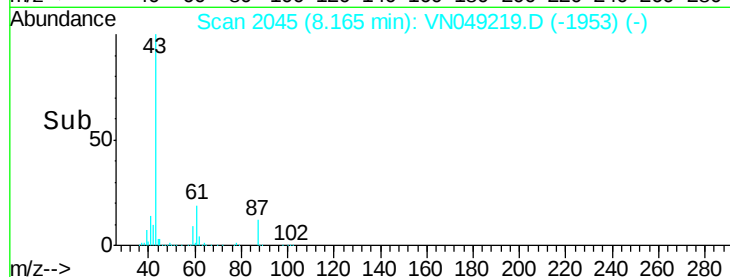
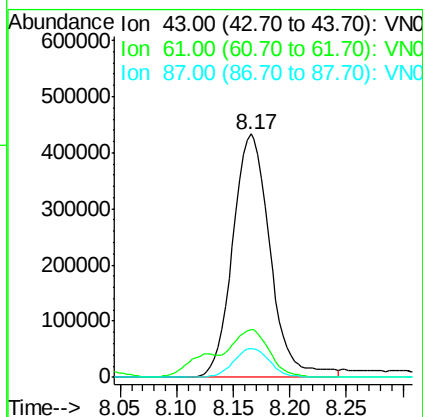
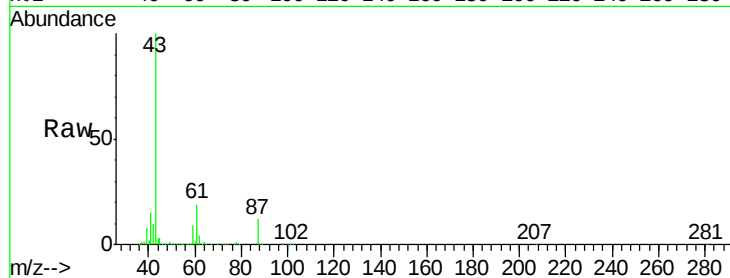
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	993320
Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.2	21.4
87	11.7	9.4	14.0

Manual Integrations
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#44

Trichloroethene

Concen: 47.549 ug/l

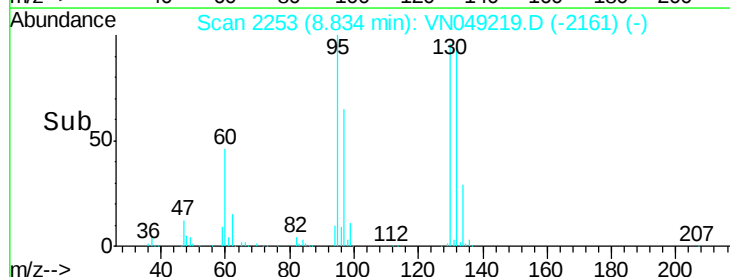
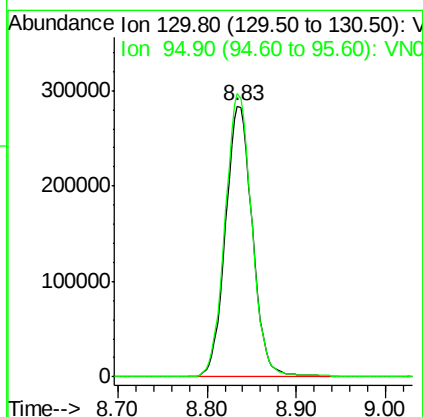
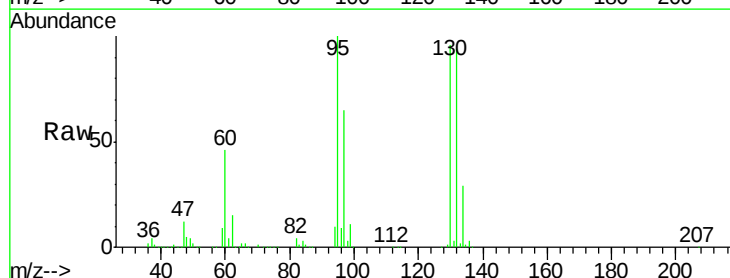
RT: 8.83 min Scan# 2253

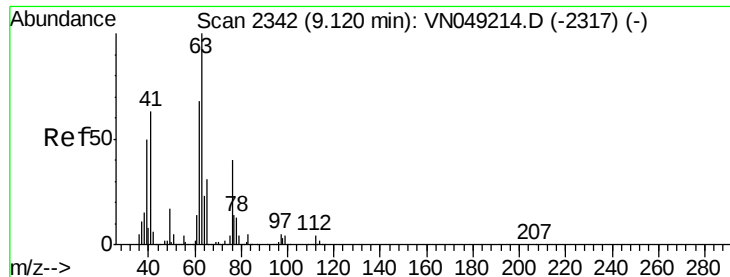
Delta R.T. -0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Tgt Ion:	130	Resp:	594130
Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	208.6





#45

1,2-Dichloropropane

Concen: 50.838 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 699705

Ion Ratio Lower Upper

63 100

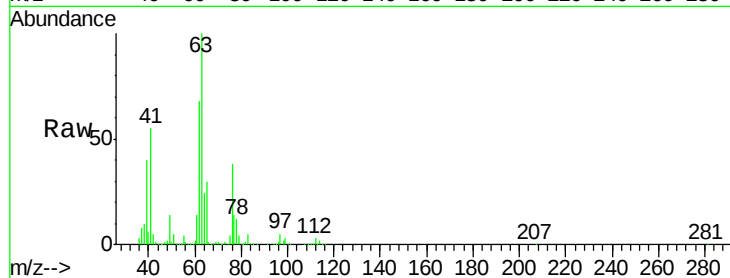
65 30.0 24.8 37.2

Manual Integrations

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MMDadoda

6/15/2018 1:15:18 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

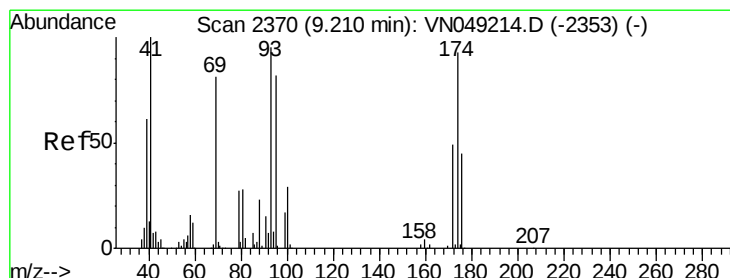
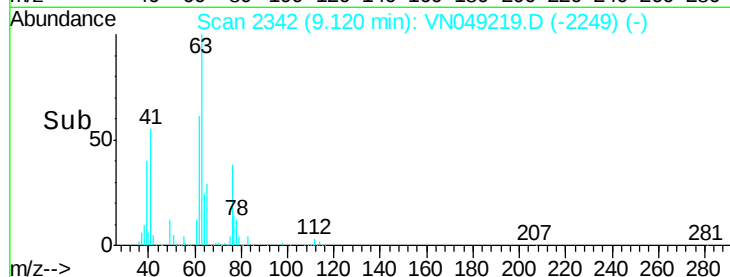
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 51.205 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

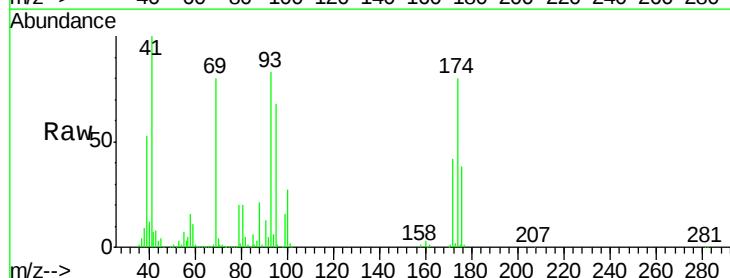
Tgt Ion: 93 Resp: 389359

Ion Ratio Lower Upper

93 100

95 81.8 67.2 100.8

174 97.2 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

250000

200000

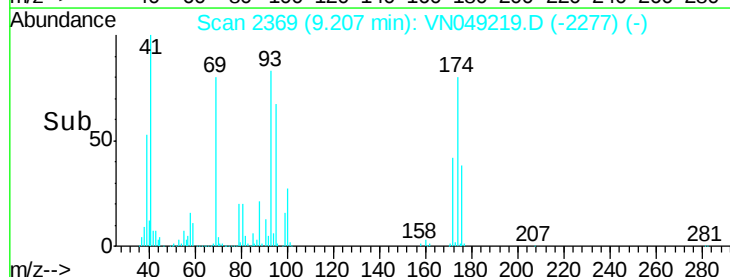
150000

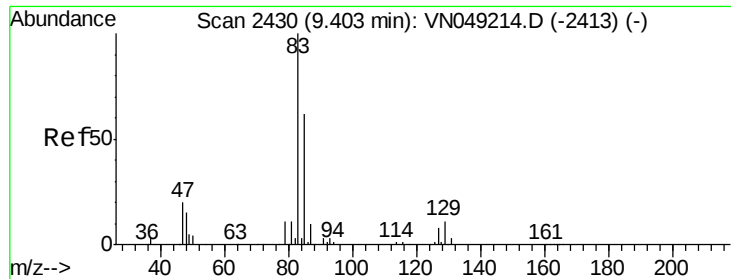
100000

50000

0

Time-->





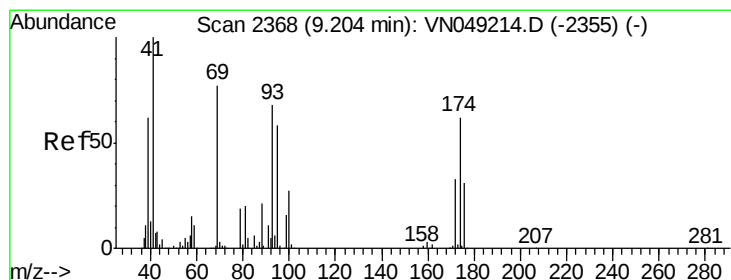
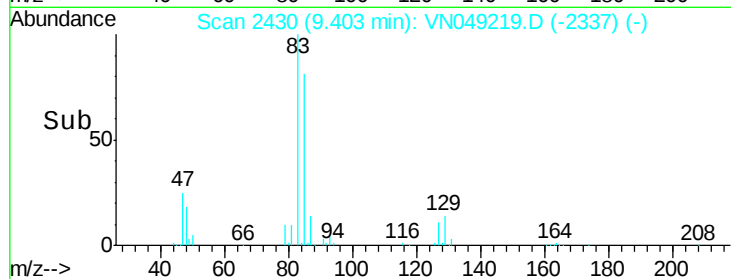
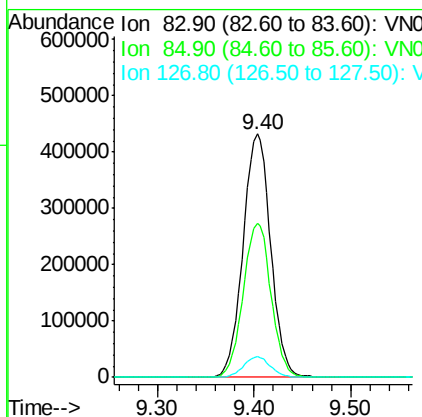
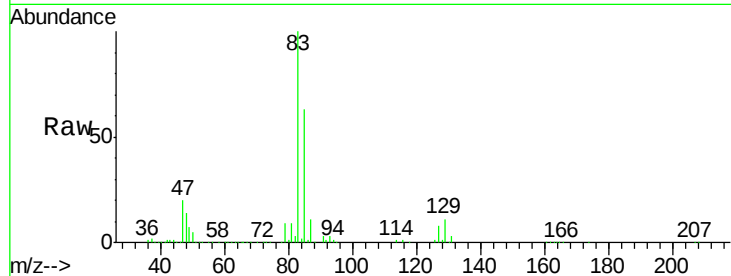
#47
Bromodichloromethane
Concen: 50.040 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.1	49.4	74.0	
127	8.4	6.3	9.5	

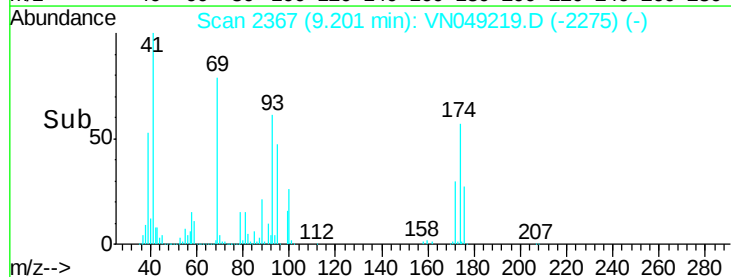
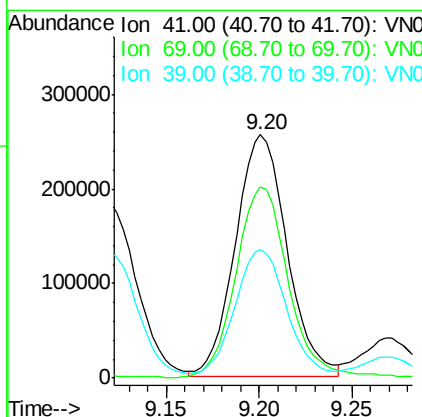
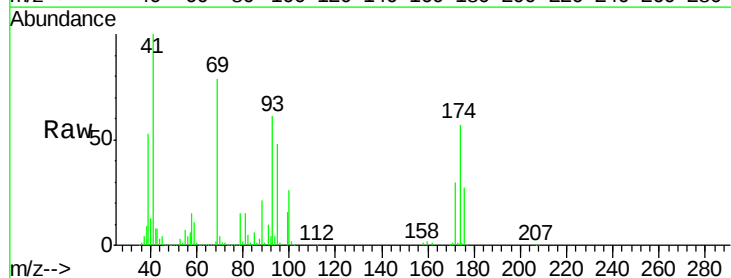
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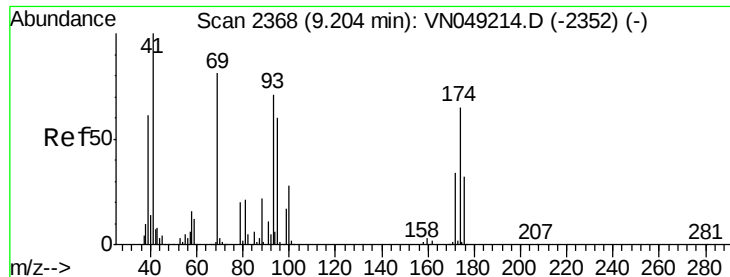
MMDadoda
6/15/2018 1:15:18 PM



#48
Methyl methacrylate
Concen: 52.947 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	80.1	62.0	93.0	
39	53.9	50.6	75.8	





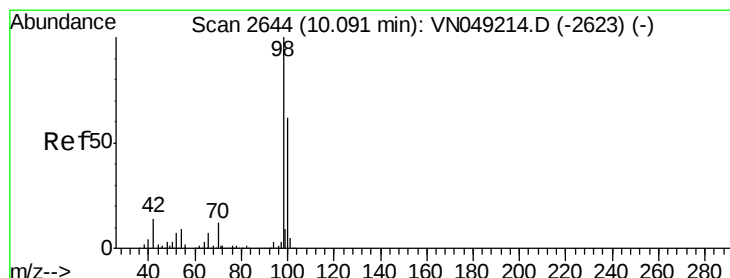
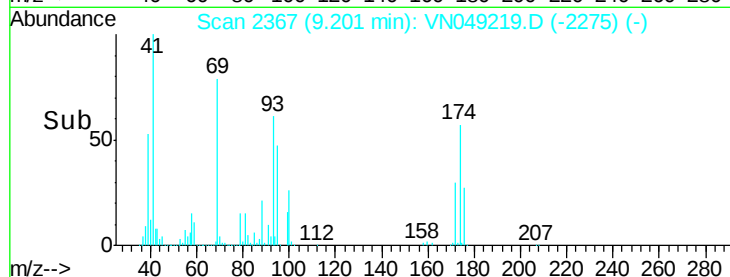
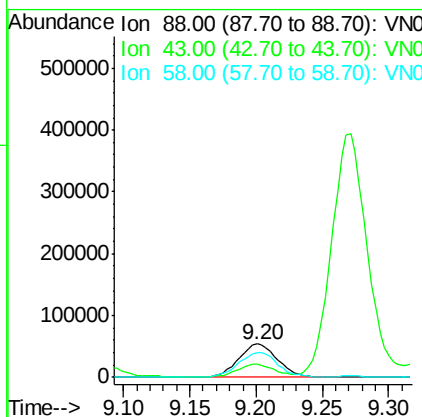
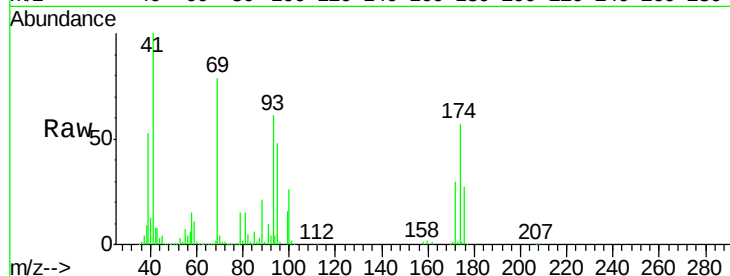
#49
1,4-Dioxane
Concen: 1003.435 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	30.9	46.3
58	74.8	58.9	88.3

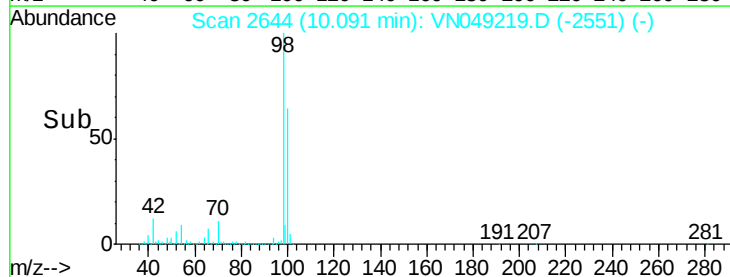
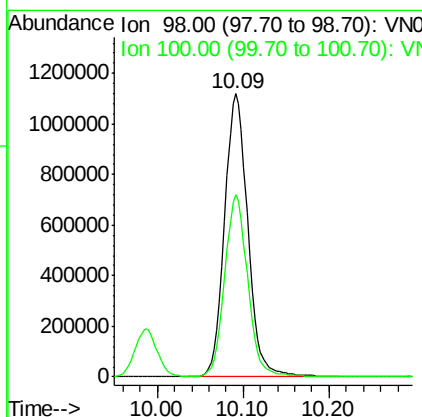
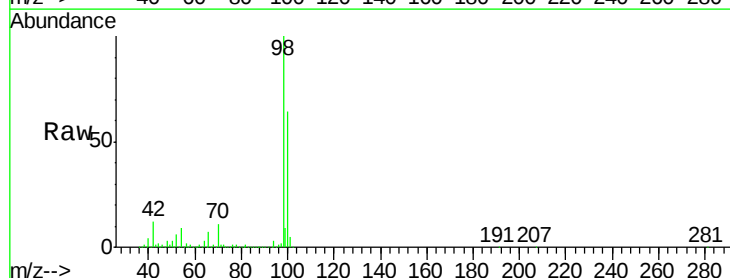
Manual Integrations
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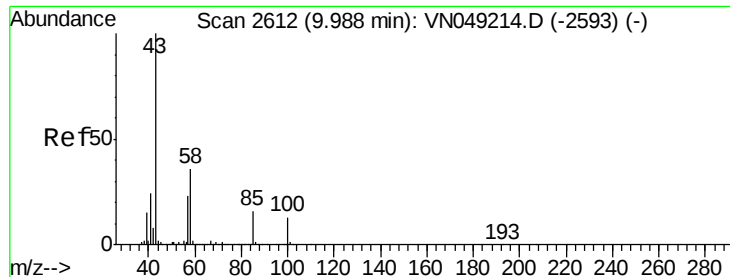
MMDadoda
6/15/2018 1:15:18 PM



#50
Toluene-d8
Concen: 49.470 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	49.8	74.8





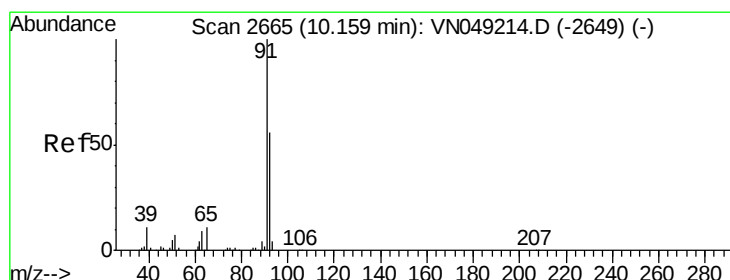
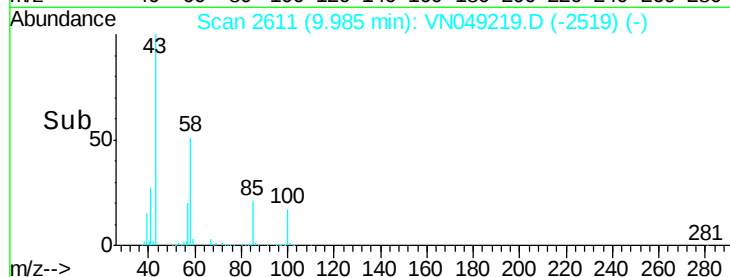
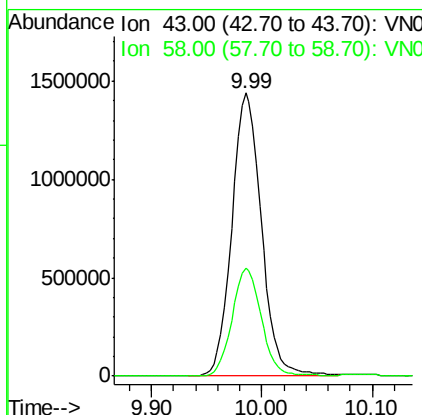
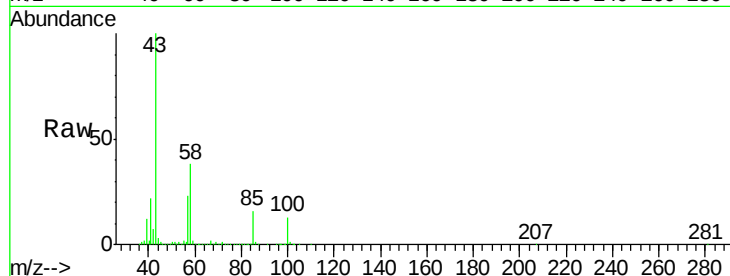
#51
4-Methyl-2-Pentanone
Concen: 262.245 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2677377
Ion Ratio Lower Upper
43 100
58 37.9 29.0 43.6

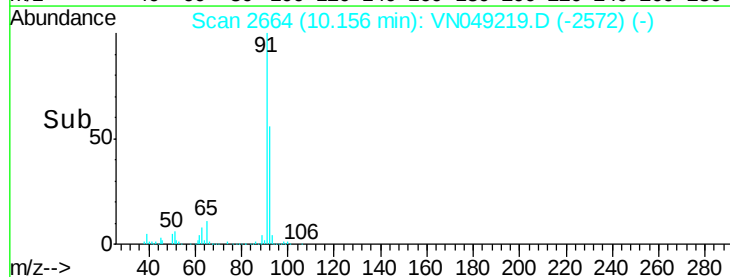
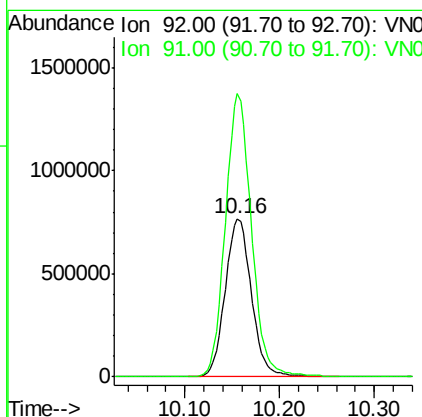
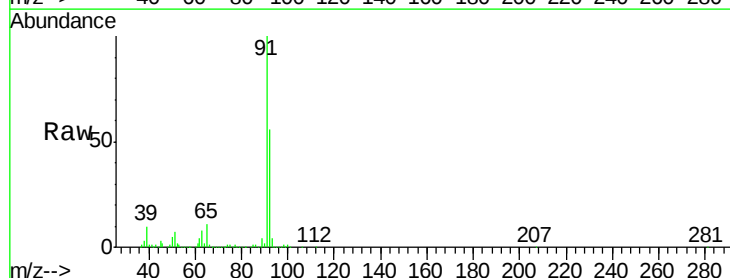
Manual Integrations
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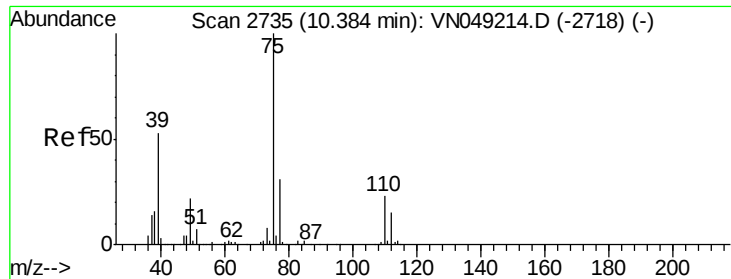
MMDadoda
6/15/2018 1:15:18 PM



#52
Toluene
Concen: 50.903 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Tgt Ion: 92 Resp: 1482022
Ion Ratio Lower Upper
92 100
91 178.0 143.4 215.2





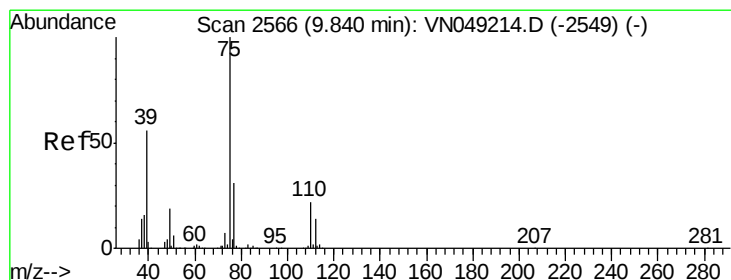
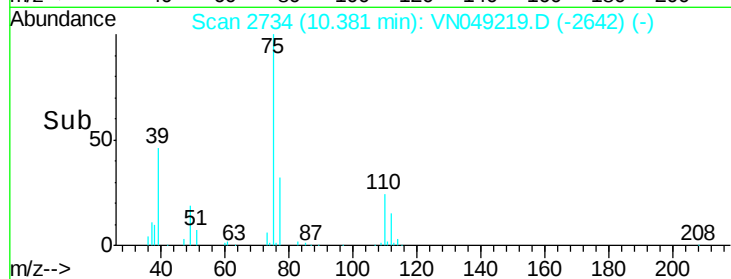
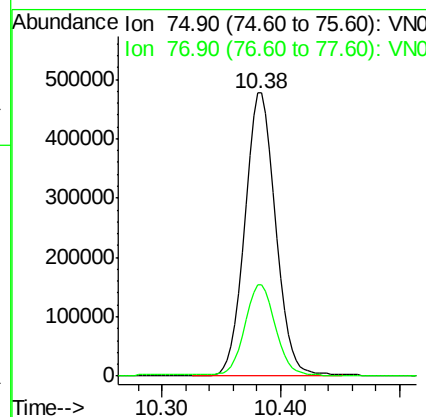
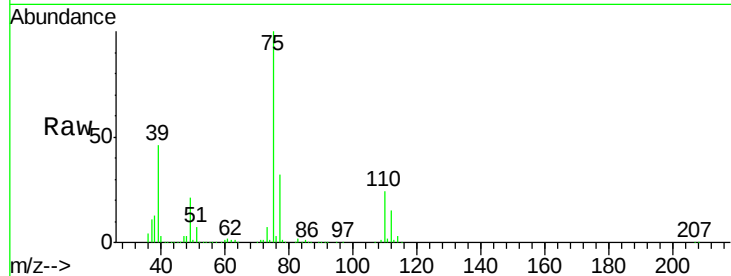
#53
t-1,3-Dichloropropene
Concen: 52.656 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.2	37.8

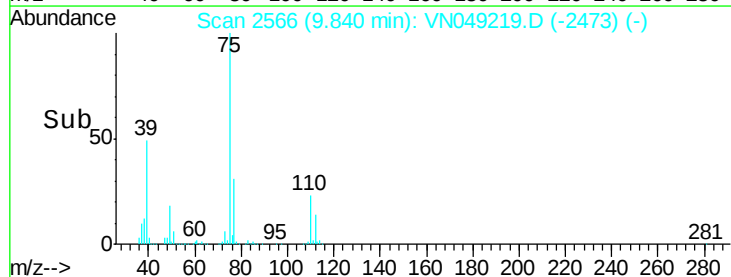
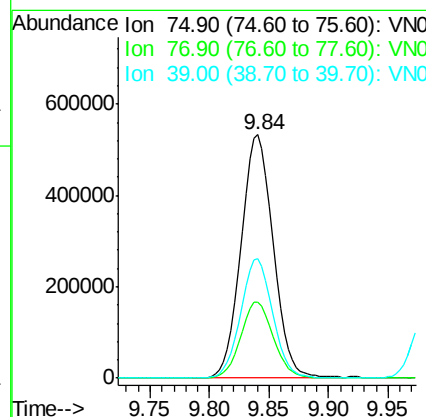
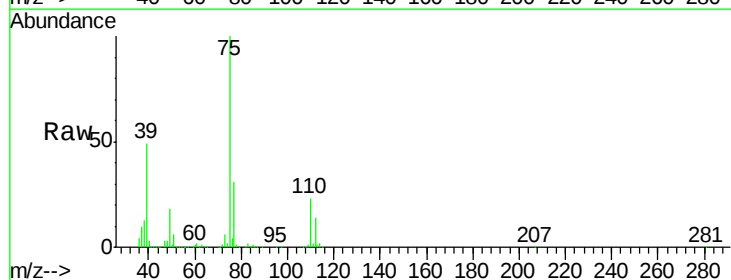
Manual Integrations
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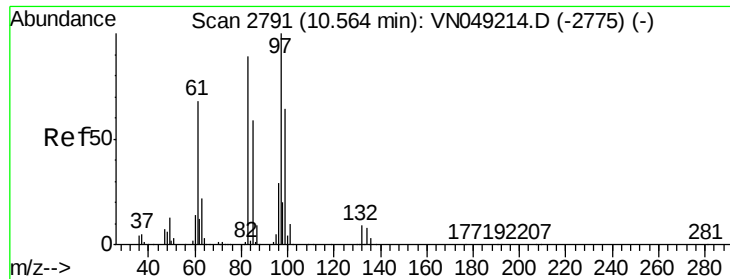
MMDadoda
6/15/2018 1:15:18 PM



#54
cis-1,3-Dichloropropene
Concen: 53.129 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.8	37.2
39	48.7	45.1	67.7





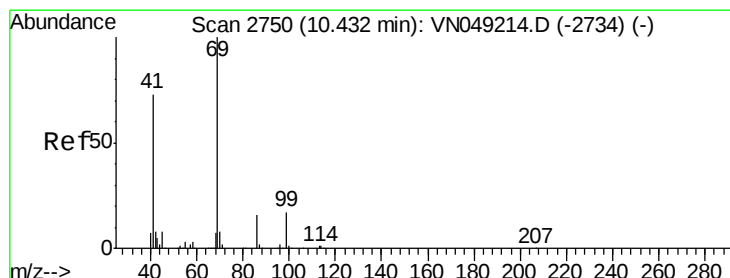
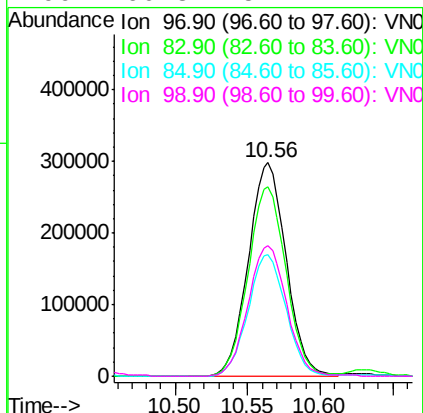
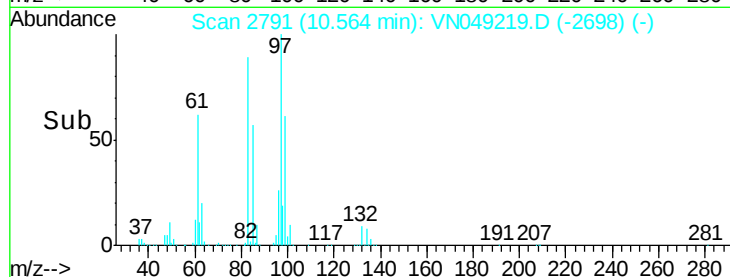
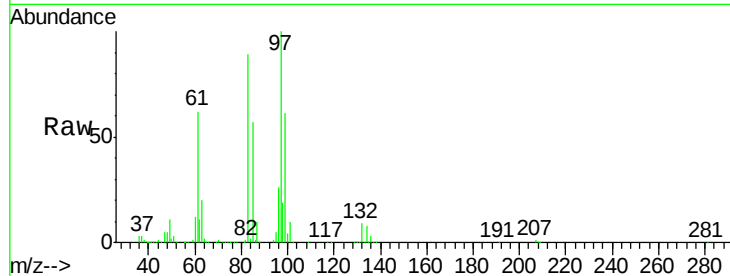
#55
 1,1,2-Trichloroethane
 Concen: 50.725 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049219.D
 Acq: 14 Jun 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	541985
Ion	Ratio	Lower	Upper
97	100		
83	88.9	71.5	107.3
85	57.0	47.0	70.4
99	60.8	51.4	77.2

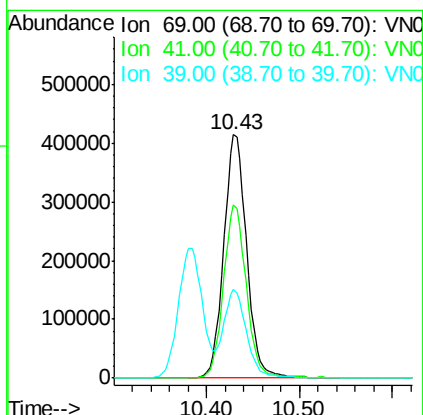
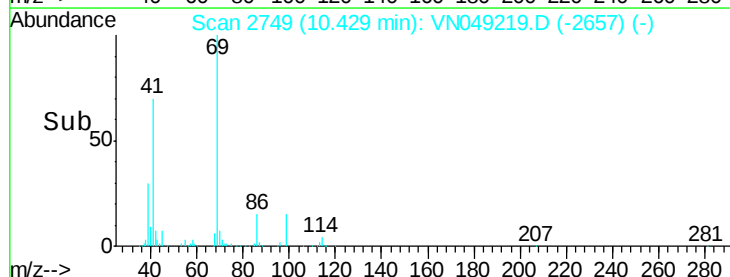
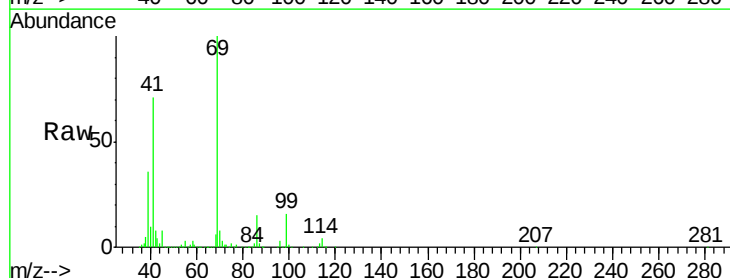
Manual Integrations
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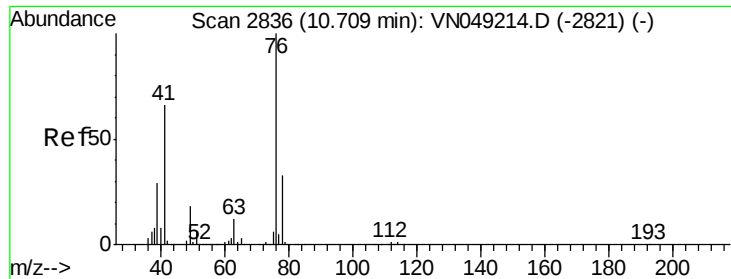
MMDadoda
 6/15/2018 1:15:18 PM



#56
 Ethyl methacrylate
 Concen: 55.111 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049219.D
 Acq: 14 Jun 2018 11:07

Tgt Ion:	69	Resp:	709866
Ion	Ratio	Lower	Upper
69	100		
41	69.9	58.4	87.6
39	35.5	35.5	53.3#





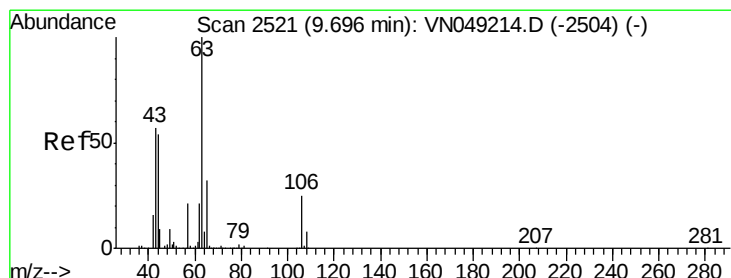
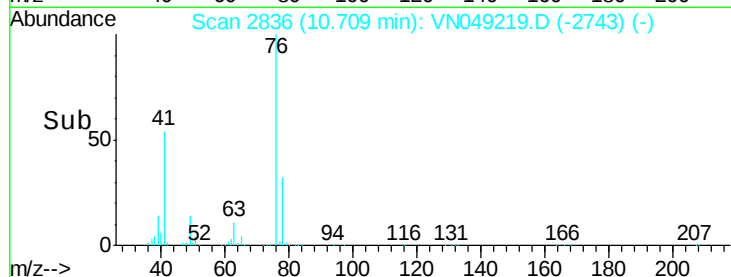
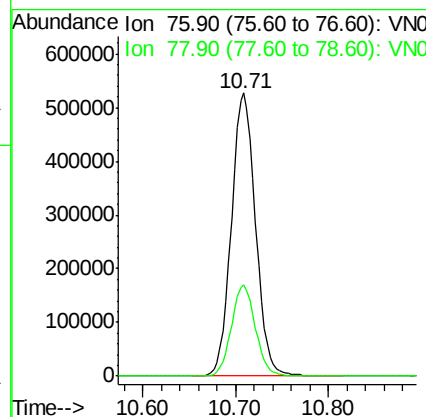
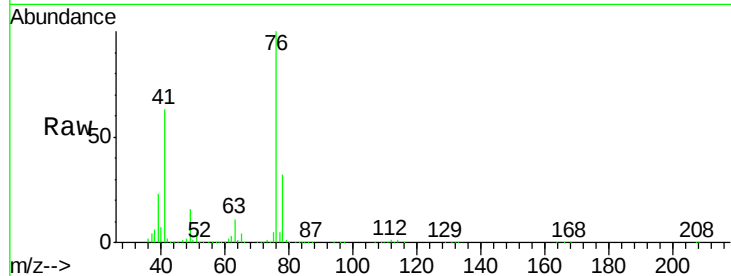
#57
 1,3-Dichloropropane
 Concen: 51.893 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049219.D
 Acq: 14 Jun 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.3	39.5

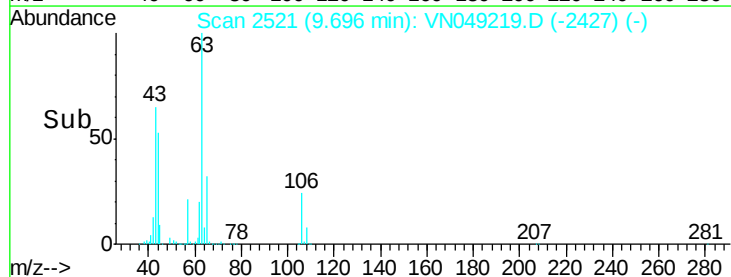
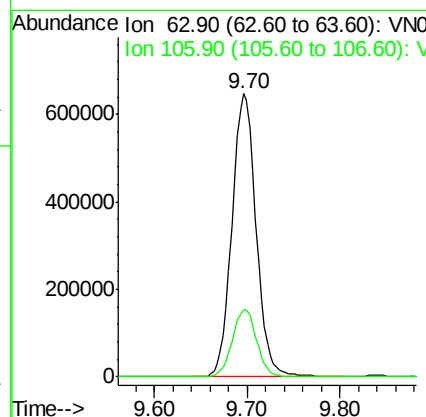
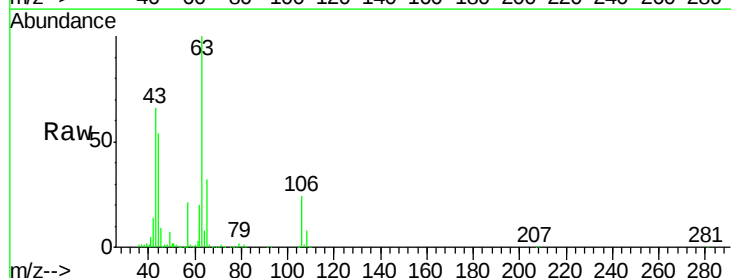
Manual Integrations
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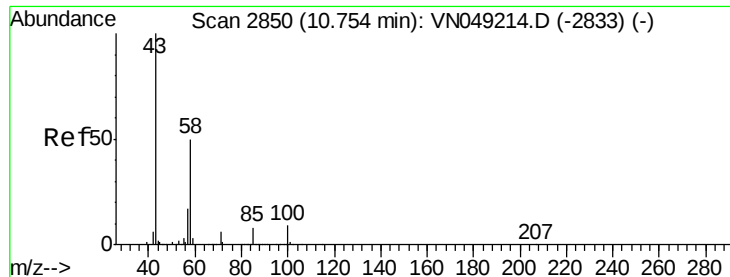
MMDadoda
 6/15/2018 1:15:18 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.975 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049219.D
 Acq: 14 Jun 2018 11:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.8	19.4	29.2





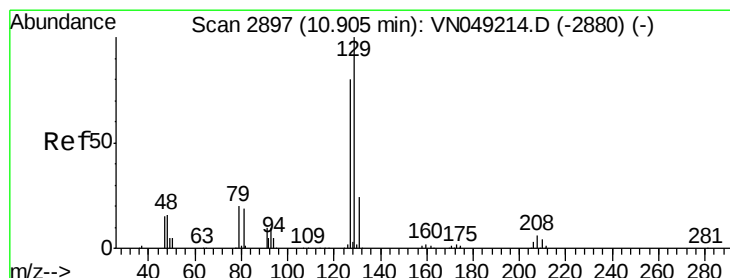
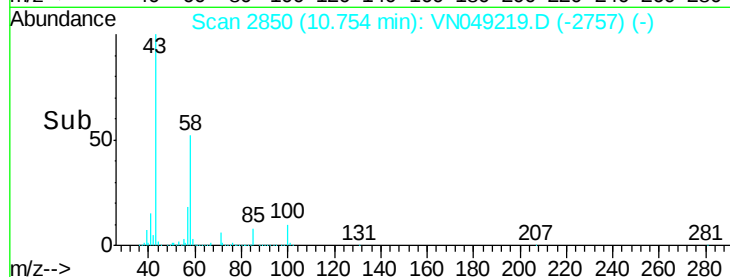
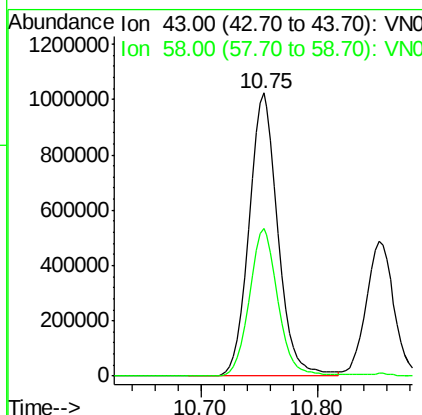
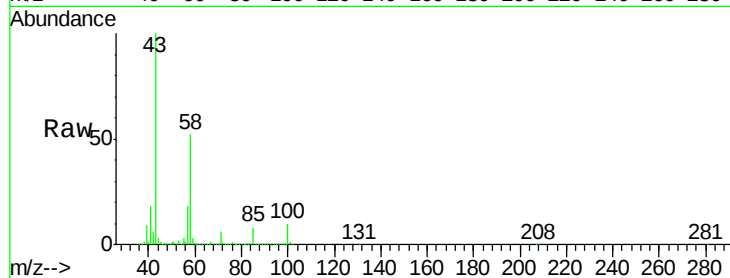
#59
2-Hexanone
Concen: 279.227 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1776334
Ion Ratio Lower Upper
43 100
58 51.9 25.2 75.6

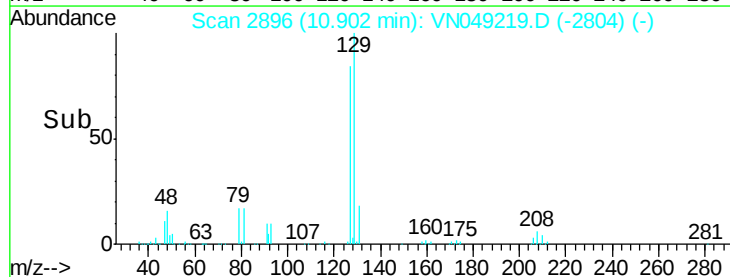
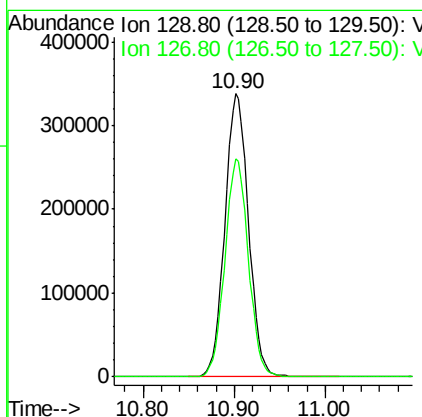
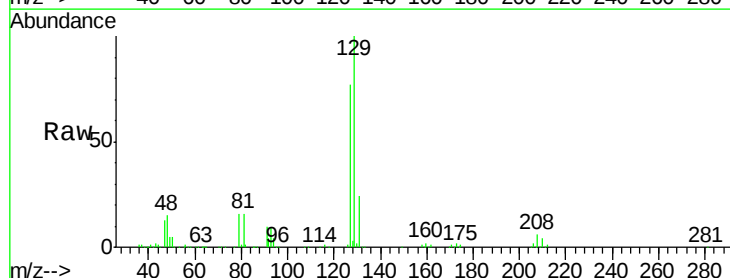
Manual Integrations
APPROVED

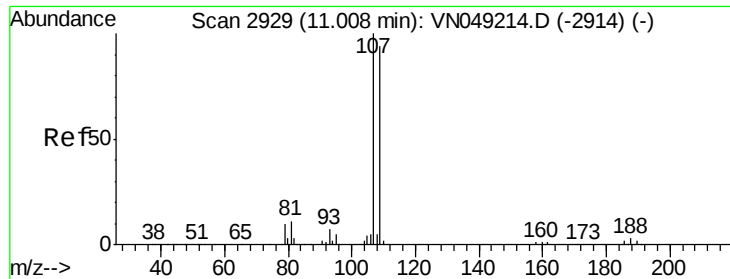
MMDadoda
6/15/2018 1:15:18 PM



#60
Dibromochloromethane
Concen: 51.499 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Tgt Ion: 129 Resp: 610222
Ion Ratio Lower Upper
129 100
127 76.4 39.1 117.2





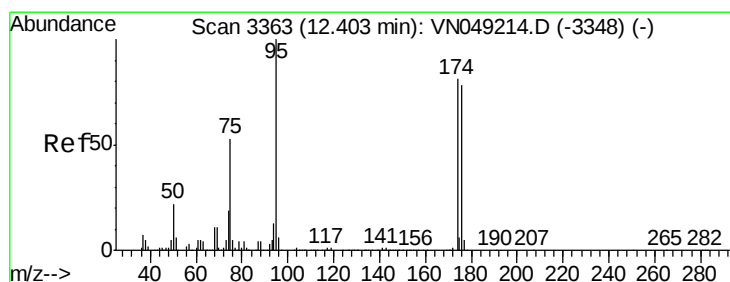
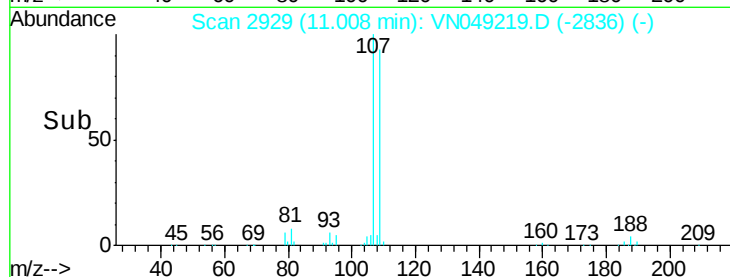
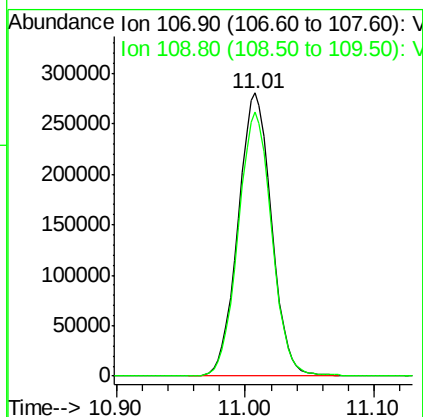
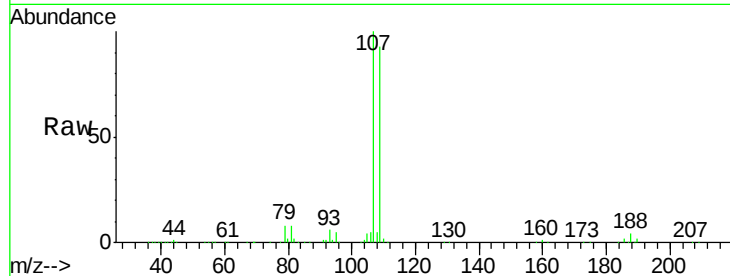
#61
 1,2-Dibromoethane
 Concen: 51.139 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049219.D
 Acq: 14 Jun 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.2

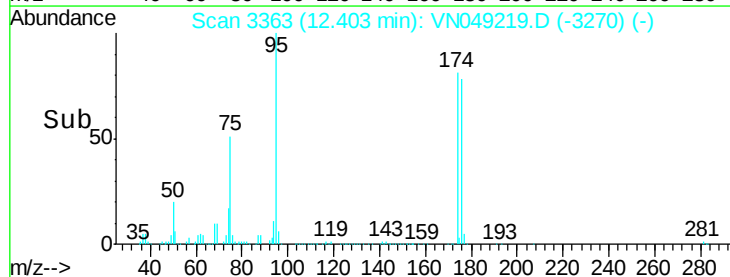
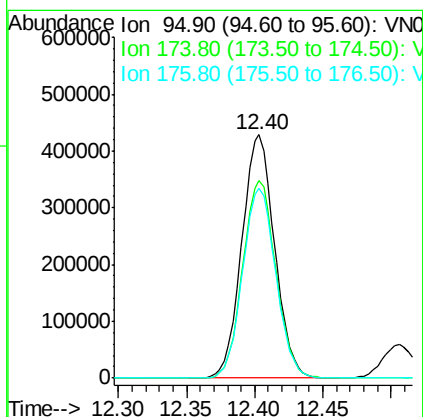
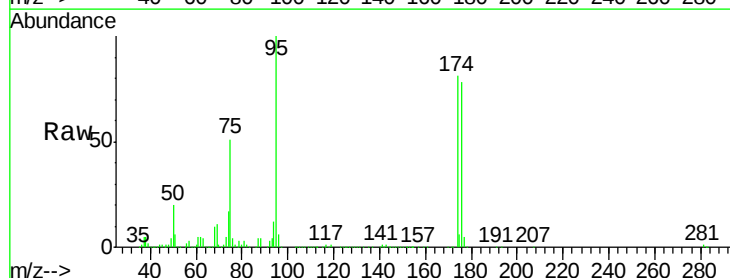
Manual Integrations
 APPROVED

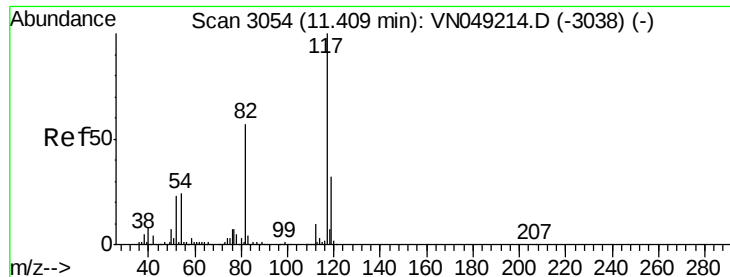
MMDadoda
 6/15/2018 1:15:18 PM



#62
 4-Bromofluorobenzene
 Concen: 50.602 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049219.D
 Acq: 14 Jun 2018 11:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.2	0.0	165.6
176	79.2	0.0	157.4





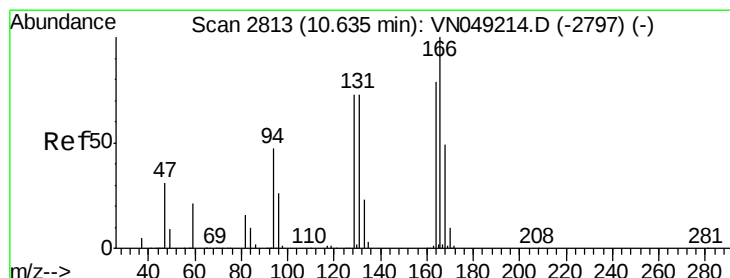
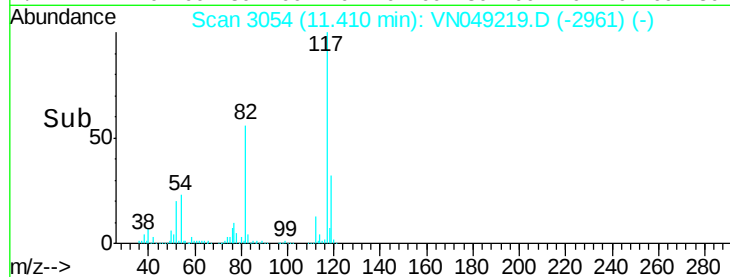
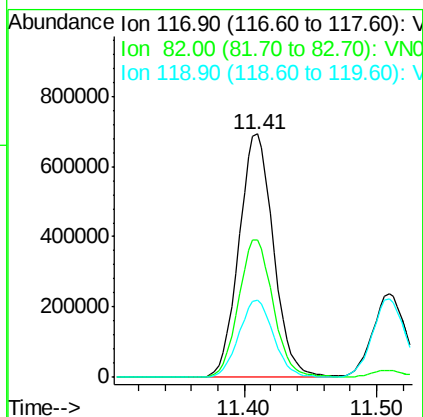
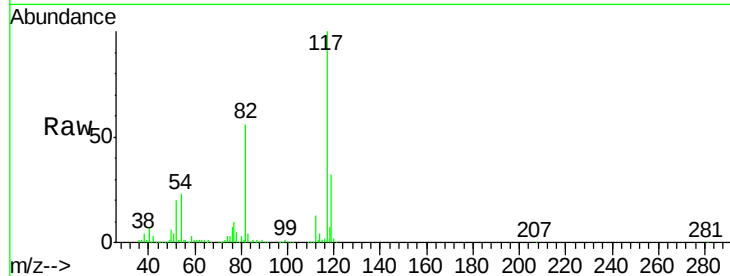
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.9	68.9
119	32.0	25.5	38.3

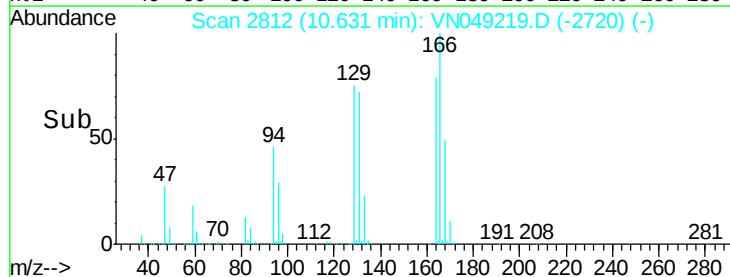
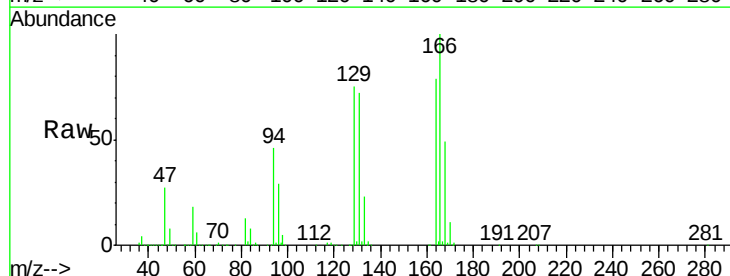
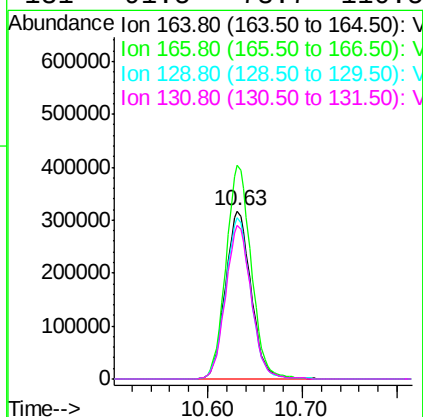
Manual Integrations
APPROVED

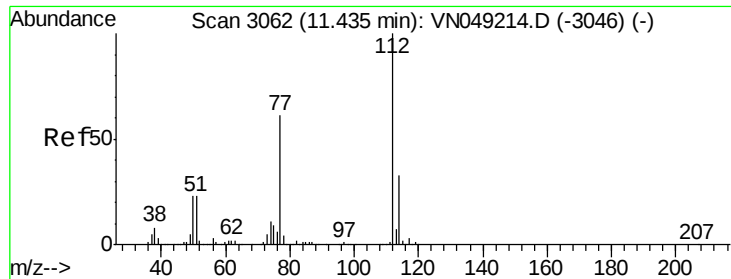
MMDadoda
6/15/2018 1:15:18 PM



#64
Tetrachloroethene
Concen: 47.515 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	101.4	152.2
129	95.9	74.1	111.1
131	91.5	73.7	110.5





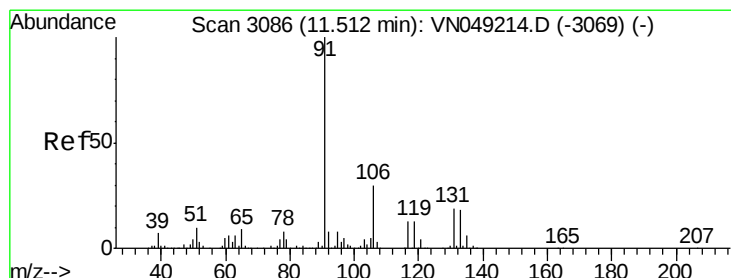
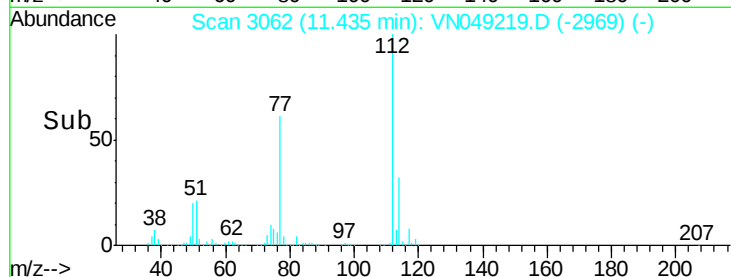
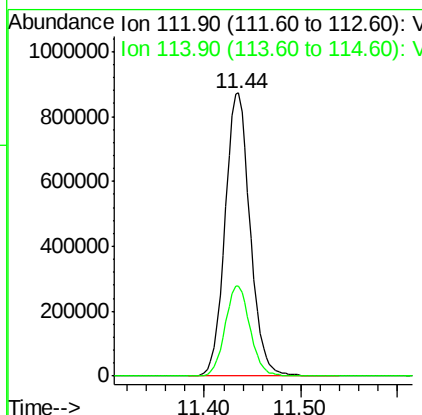
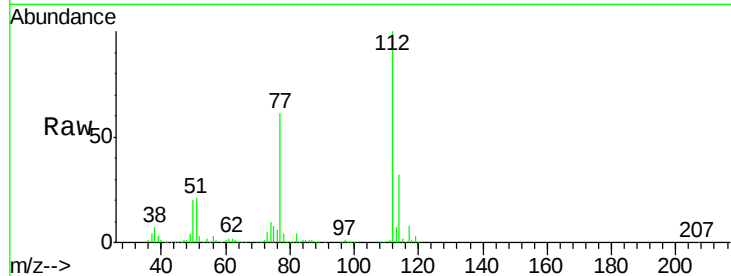
#65
Chlorobenzene
Concen: 48.504 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1564971
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4

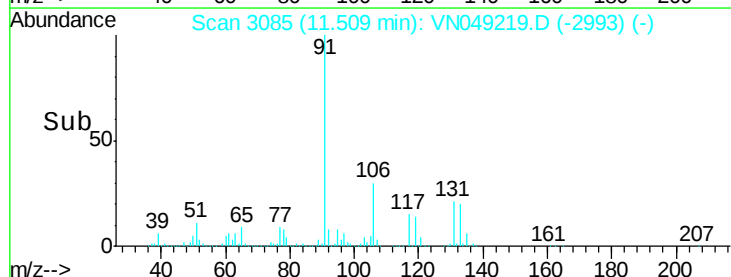
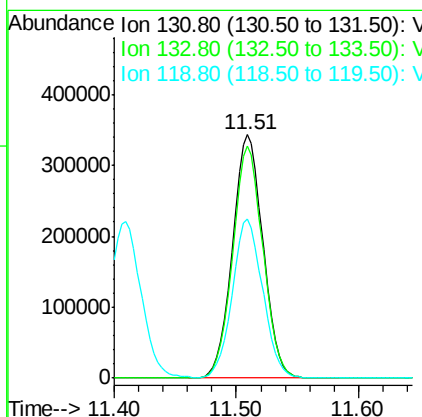
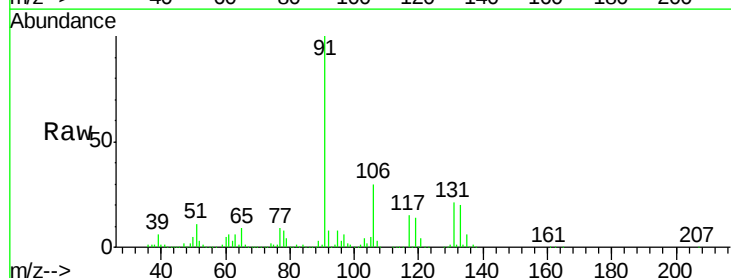
Manual Integrations
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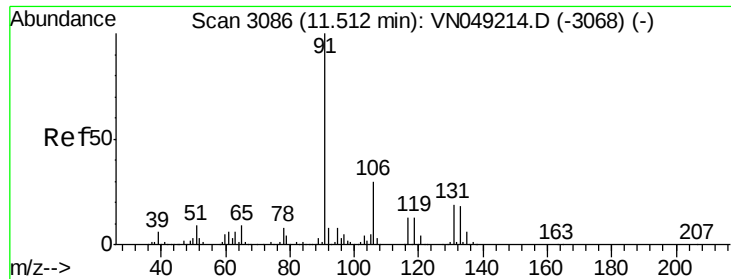
MMDadoda
6/15/2018 1:15:18 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.356 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Tgt Ion:131 Resp: 593461
Ion Ratio Lower Upper
131 100
133 94.9 48.0 144.2
119 65.4 33.6 100.8





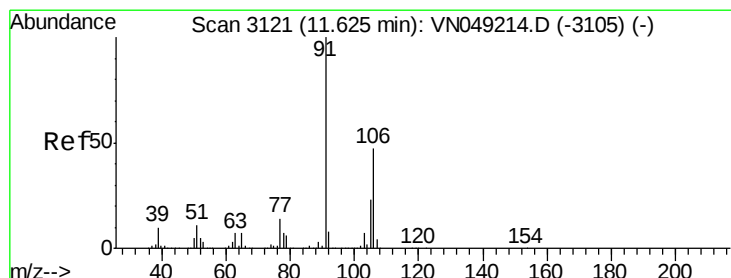
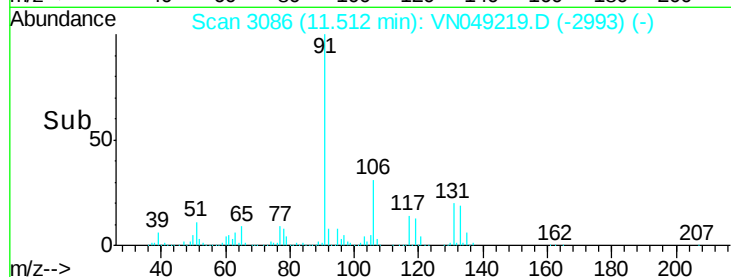
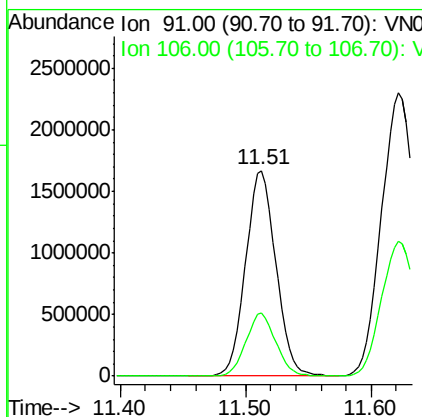
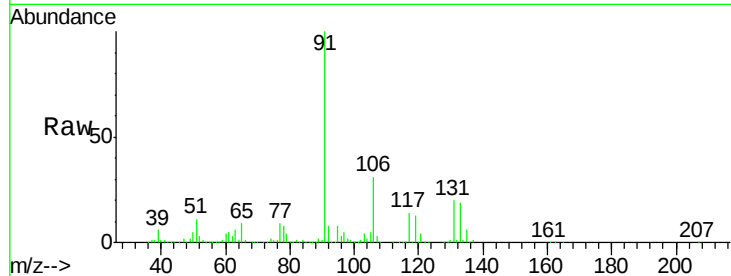
#67
Ethyl Benzene
Concen: 50.488 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 2810257
Ion Ratio Lower Upper
91 100
106 30.5 23.9 35.9

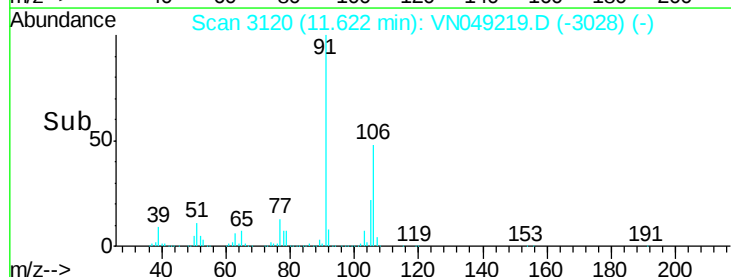
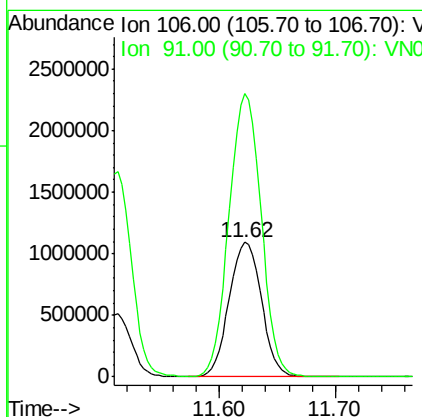
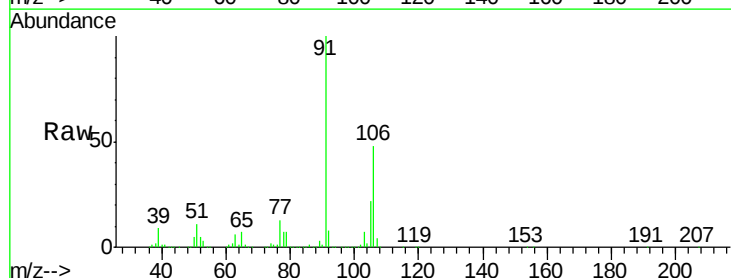
Manual Integrations
APPROVED

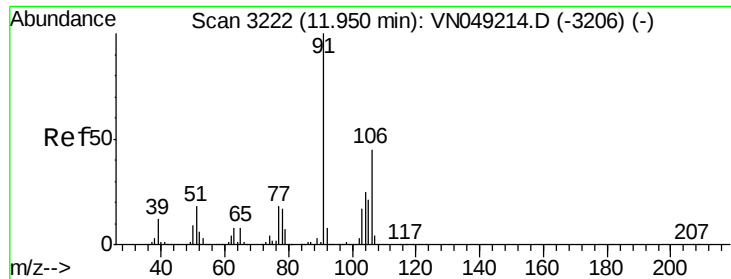
MMDadoda
6/15/2018 1:15:18 PM



#68
m/p-Xylenes
Concen: 104.429 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Tgt Ion: 106 Resp: 2125618
Ion Ratio Lower Upper
106 100
91 208.4 167.3 250.9





#69

o-Xylene

Concen: 52.243 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:106 Resp: 1024100

Ion Ratio Lower Upper

106 100

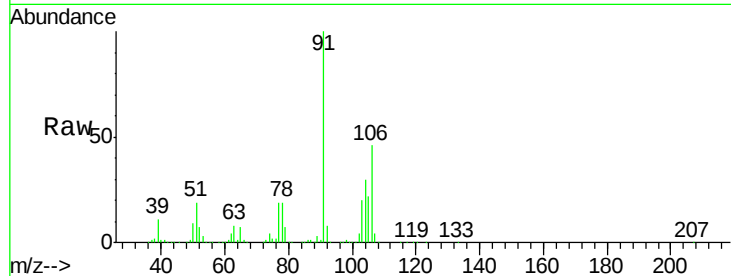
91 218.4 111.0 333.0

Manual Integrations

APPROVED

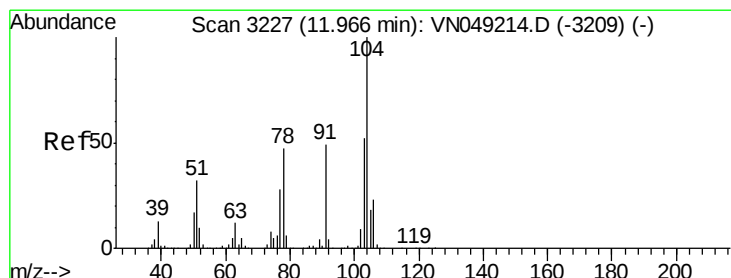
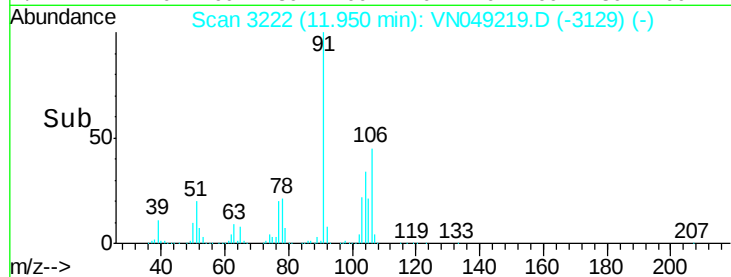
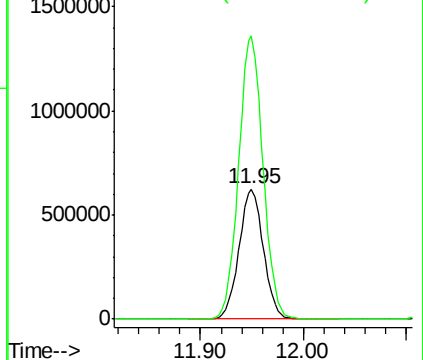
MMDadoda

6/15/2018 1:15:18 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 54.220 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

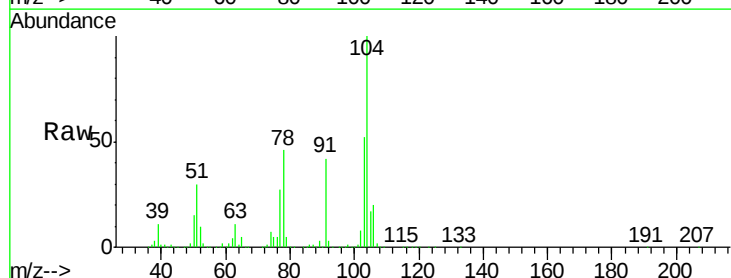
Tgt Ion:104 Resp: 1682692

Ion Ratio Lower Upper

104 100

78 51.1 41.6 62.4

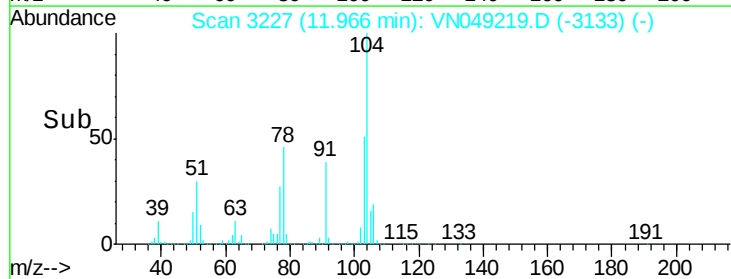
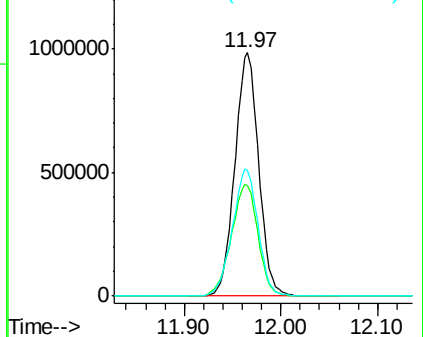
103 56.2 45.4 68.2

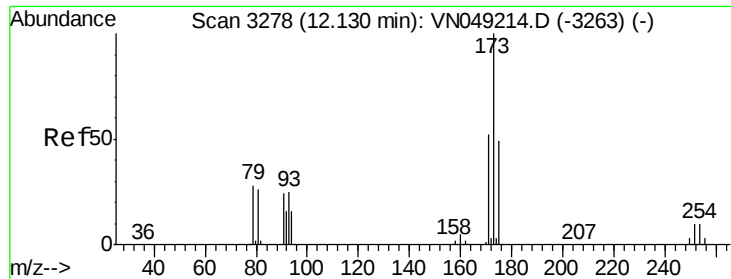


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





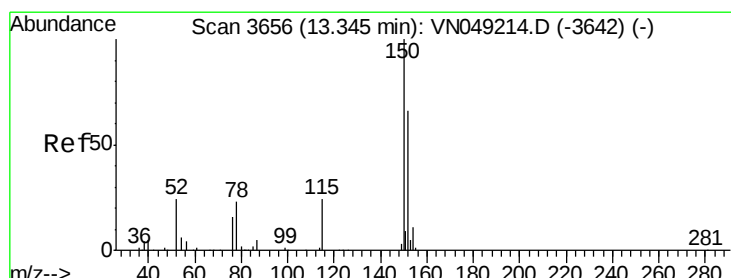
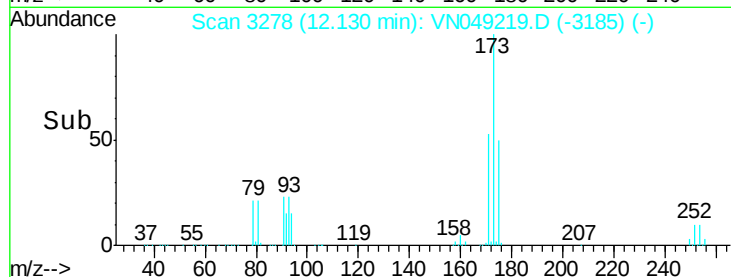
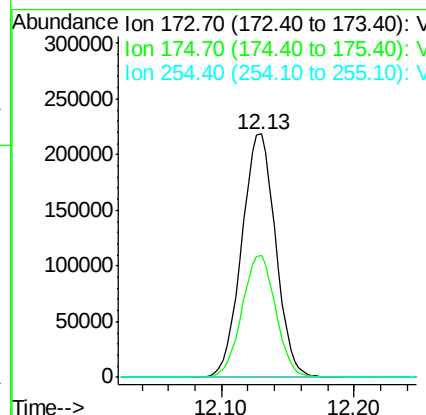
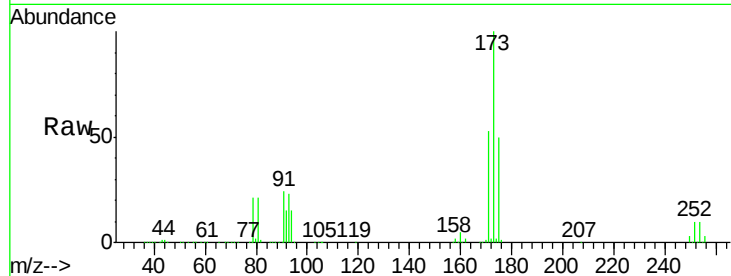
#71
Bromoform
Concen: 50.654 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.5	73.5
254	0.2	0.1	0.1#

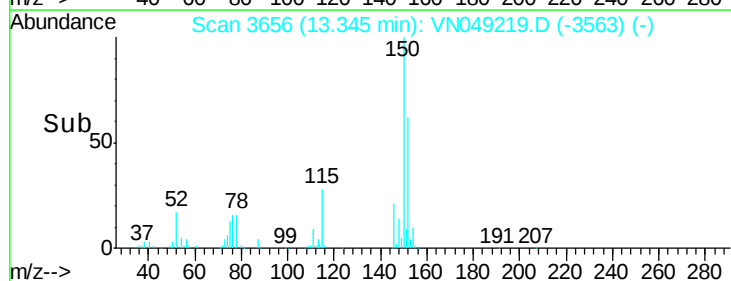
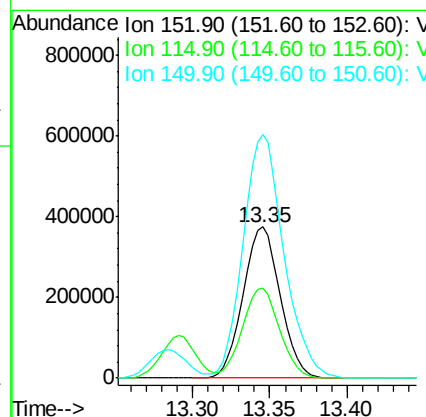
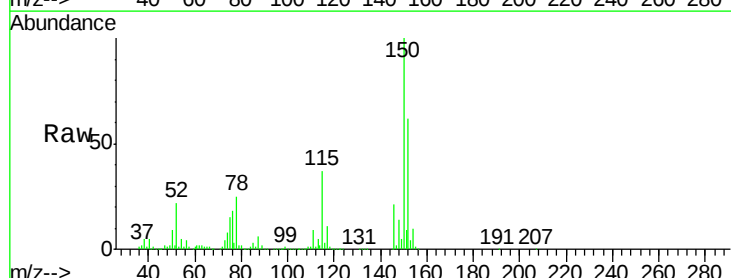
Manual Integrations
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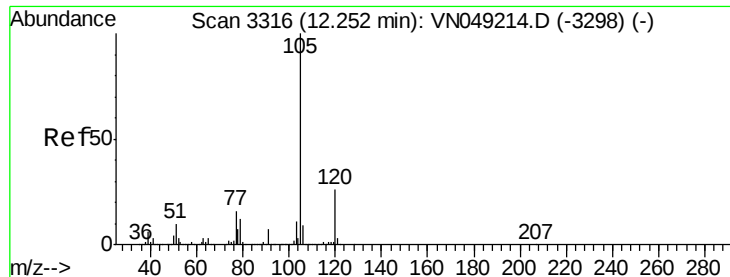
MMDadoda
6/15/2018 1:15:18 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	28.7	86.1
150	177.2	0.0	351.0





#73

Isopropylbenzene

Concen: 44.744 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2681274

Ion Ratio Lower Upper

105 100

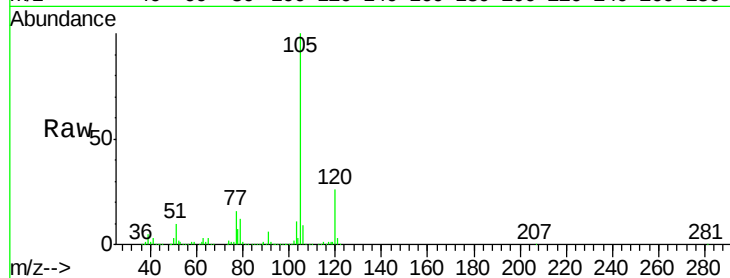
120 26.1 12.8 38.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000000

1500000

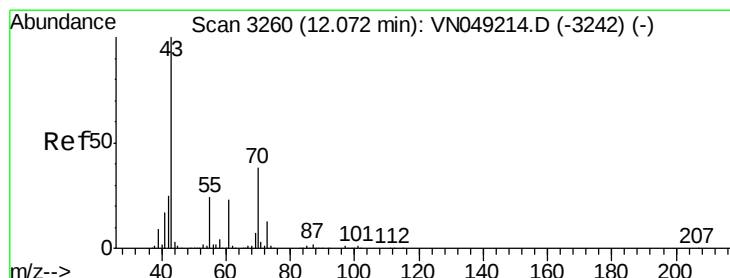
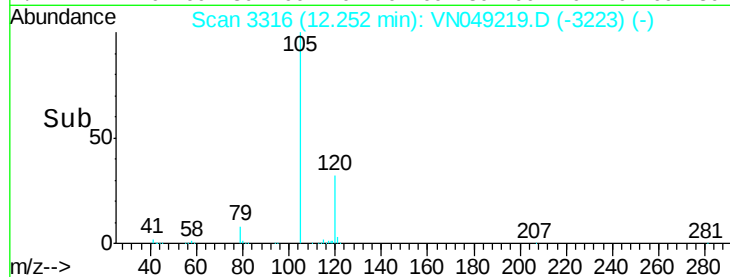
1000000

500000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 48.768 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Tgt Ion: 43 Resp: 832484

Ion Ratio Lower Upper

43 100

70 39.7 30.3 45.5

55 25.1 19.4 29.2

61 23.0 17.8 26.6

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

800000

600000

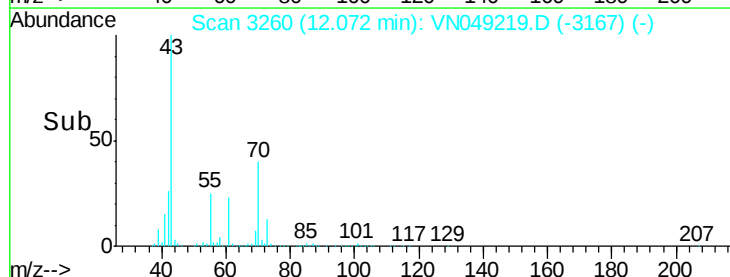
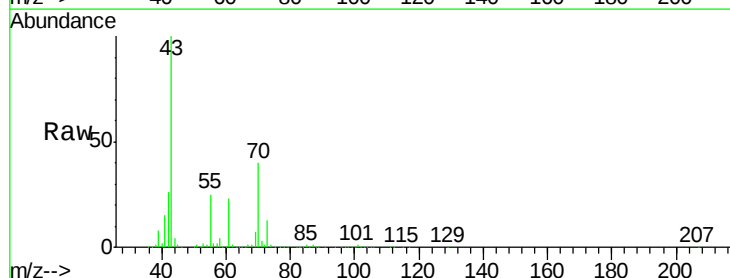
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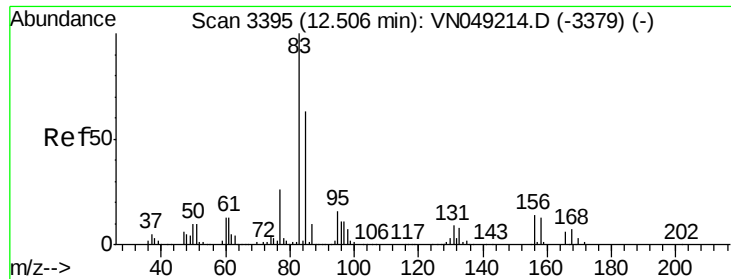
200000

0

12.00 12.07 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.585 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

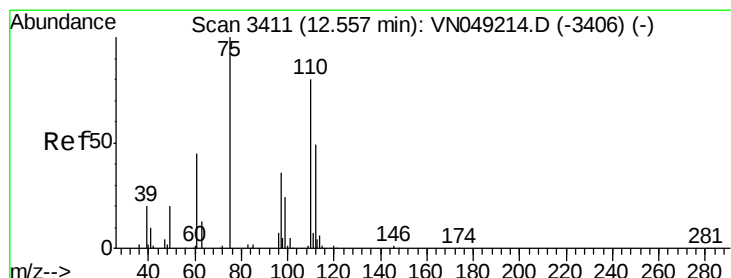
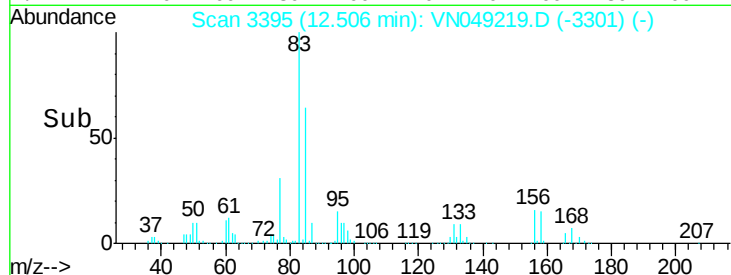
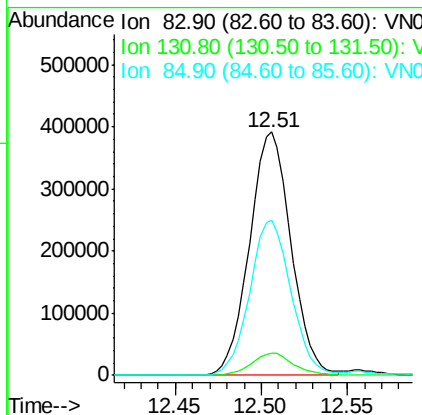
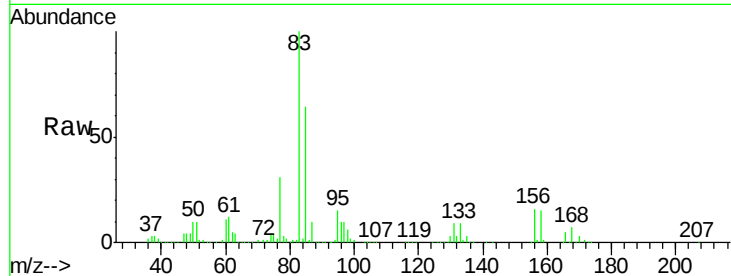
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	655286
Ion Ratio	Lower	Upper	
83	100		
131	9.2	5.0	15.0
85	63.4	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.347 ug/l m

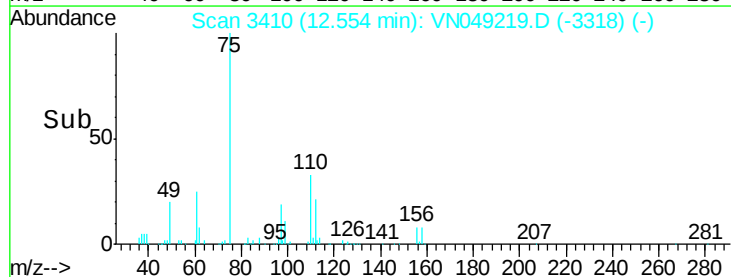
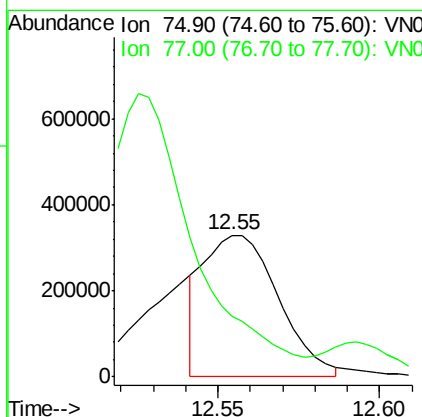
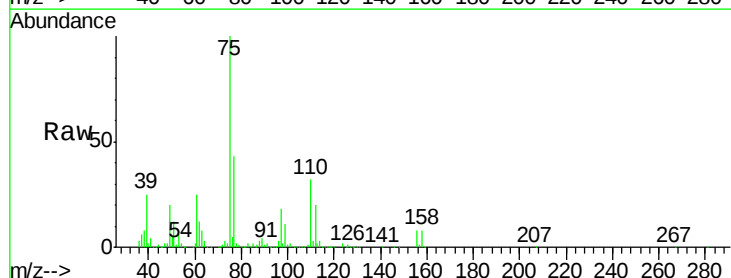
RT: 12.55 min Scan# 3410

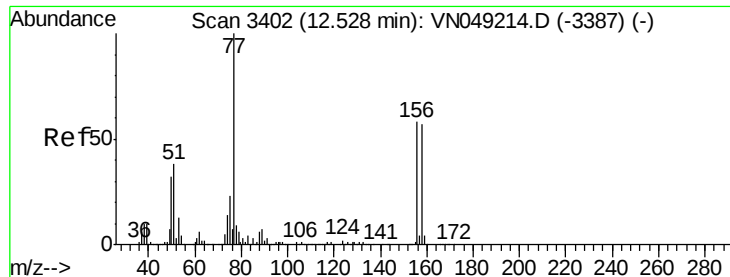
Delta R.T. -0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Tgt Ion:	75	Resp:	529962
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.438 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 643868

Ion Ratio Lower Upper

156 100

77 203.6 100.8 302.4

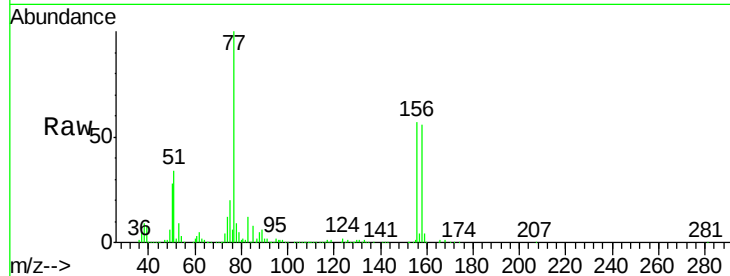
158 97.1 49.3 147.9

Manual Integrations

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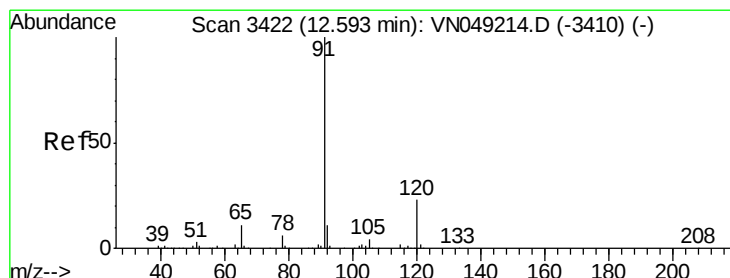
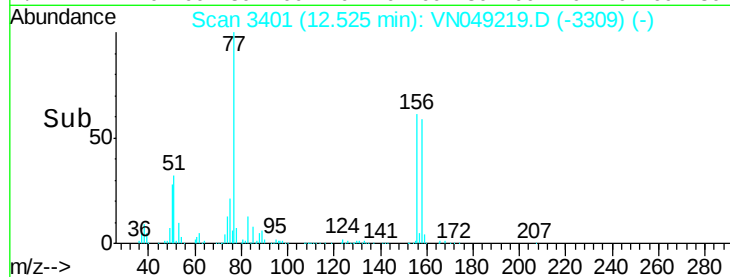
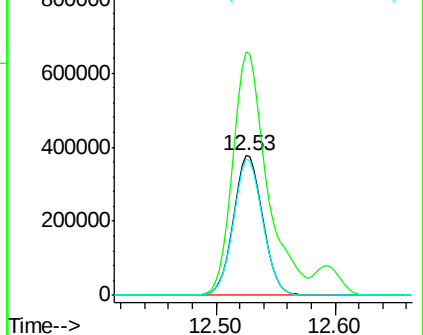
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.936 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049219.D

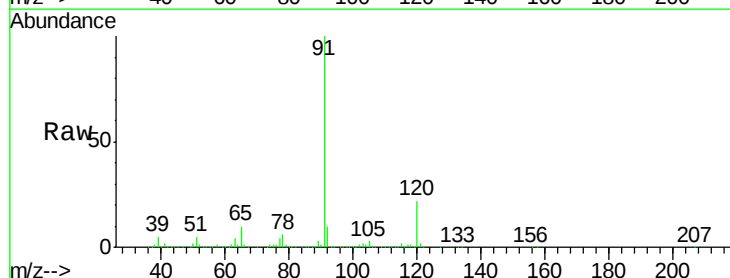
Acq: 14 Jun 2018 11:07

Tgt Ion: 91 Resp: 3191100

Ion Ratio Lower Upper

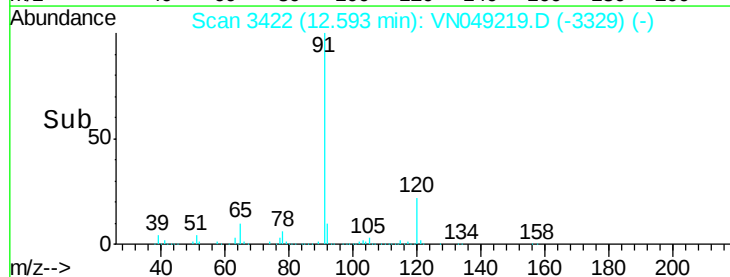
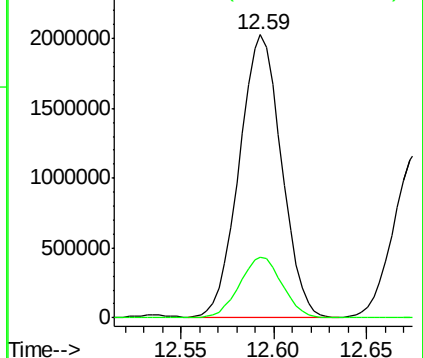
91 100

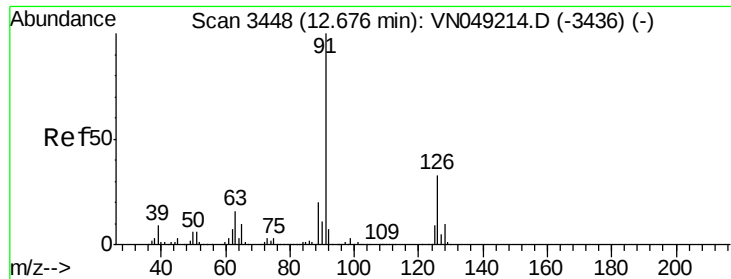
120 21.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.447 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1908011

Ion Ratio Lower Upper

91 100

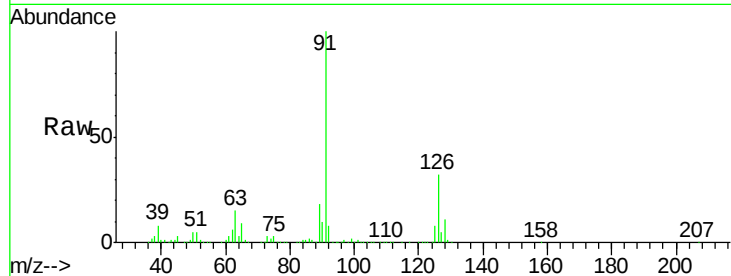
126 33.0 16.6 49.8

Manual Integrations

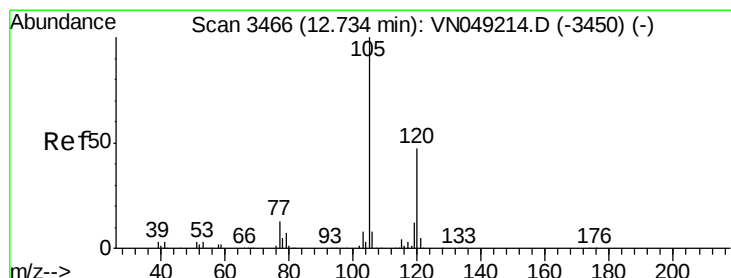
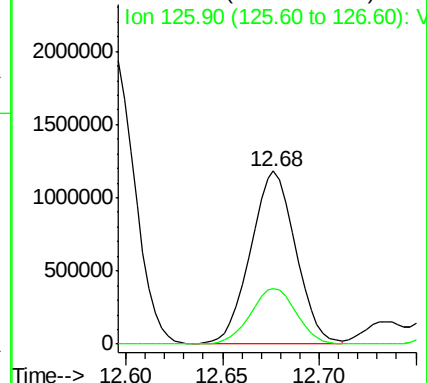
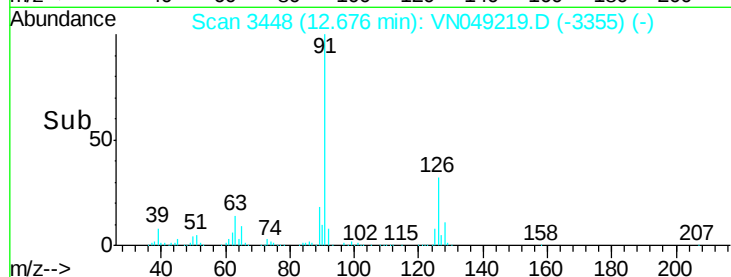
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Abundance Ion 91.00 (90.70 to 91.70): VN049219.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.998 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049219.D

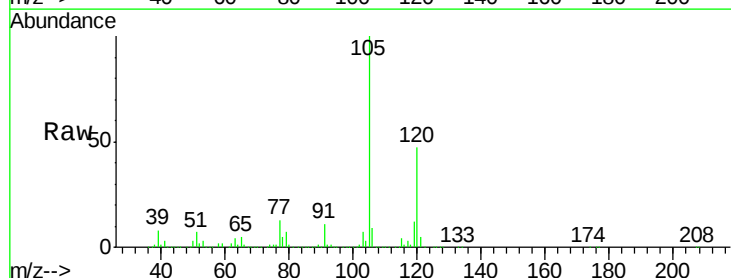
Acq: 14 Jun 2018 11:07

Tgt Ion: 105 Resp: 2251281

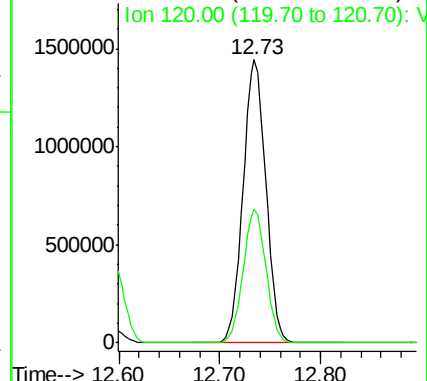
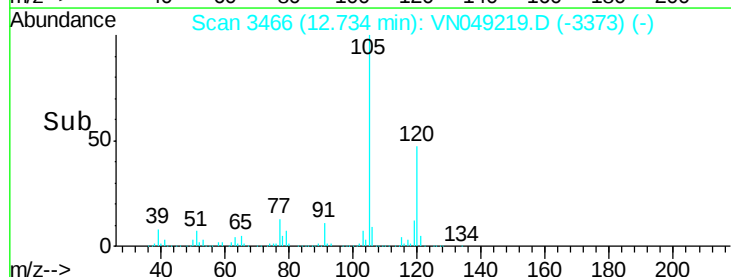
Ion Ratio Lower Upper

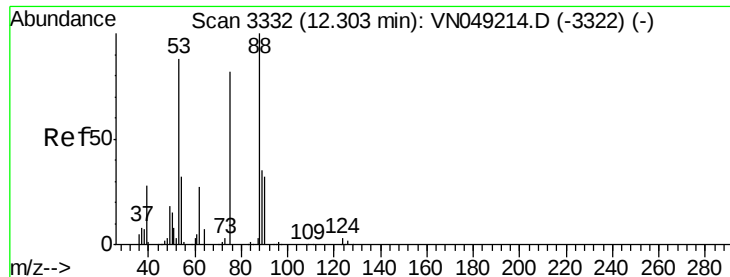
105 100

120 47.0 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049219.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.240 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 180137
Ion Ratio Lower Upper

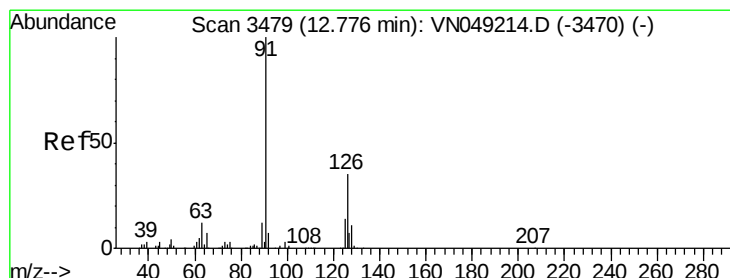
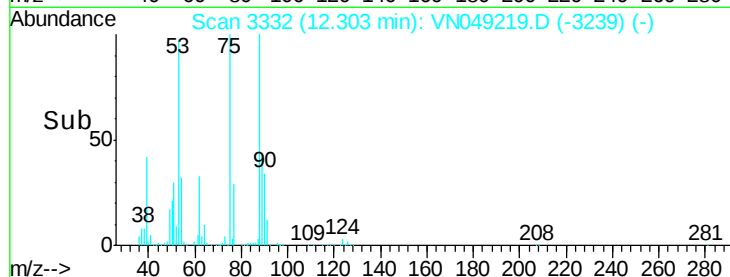
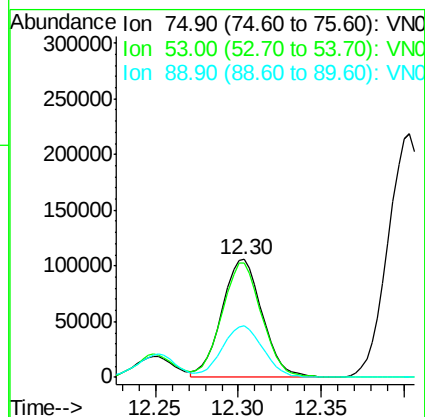
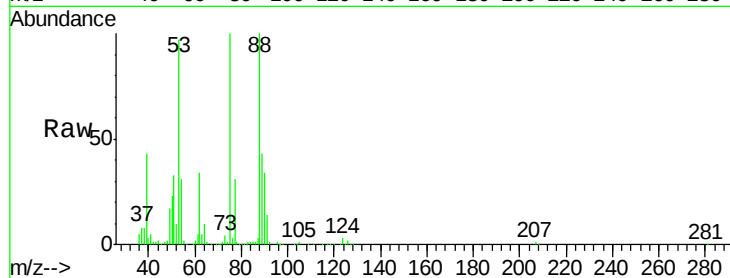
75 100

53 95.5 82.7 124.1

89 44.3 36.5 54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.866 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

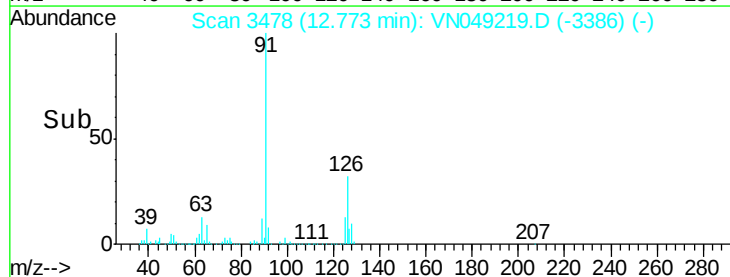
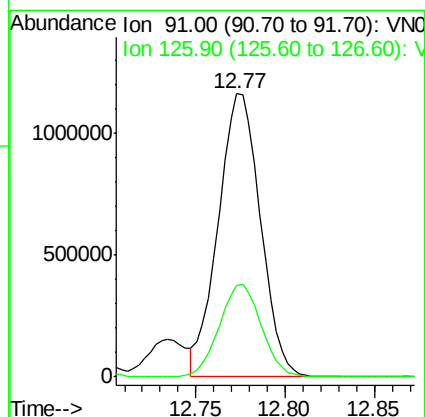
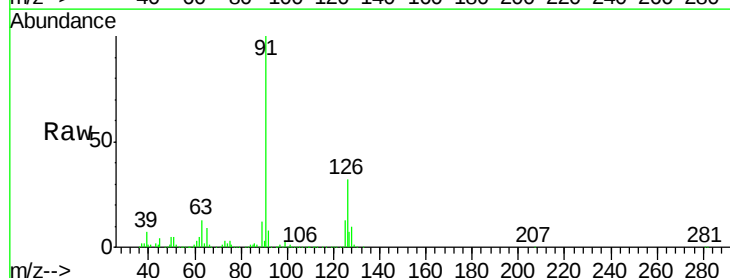
Lab File: VN049219.D

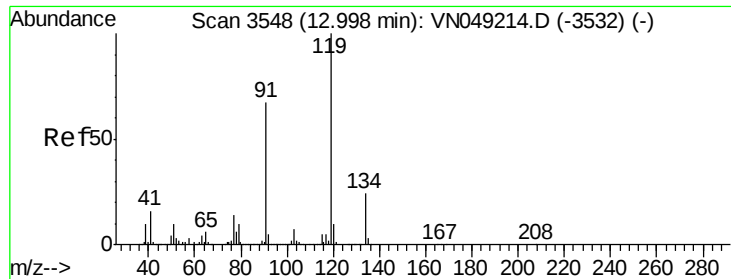
Acq: 14 Jun 2018 11:07

Tgt Ion: 91 Resp: 1906155
Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.1





#83

tert-Butylbenzene

Concen: 46.342 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1834234

Ion Ratio Lower Upper

119 100

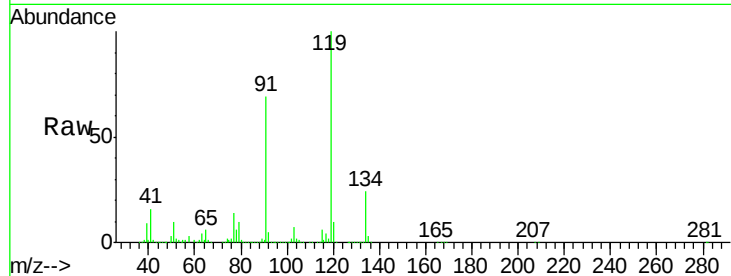
91 67.3 33.7 101.0

134 25.1 12.9 38.6

Manual Integrations
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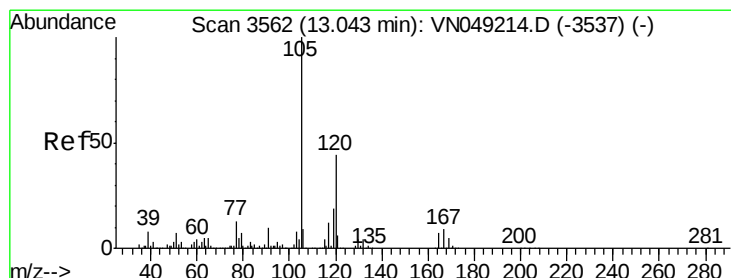
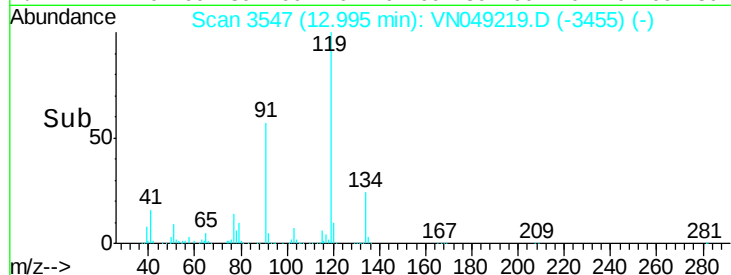
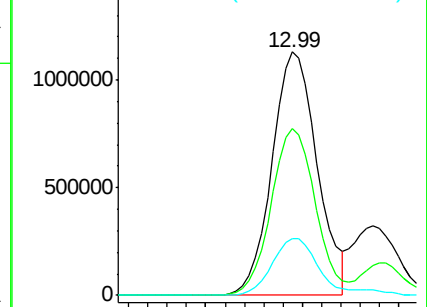
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.989 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049219.D

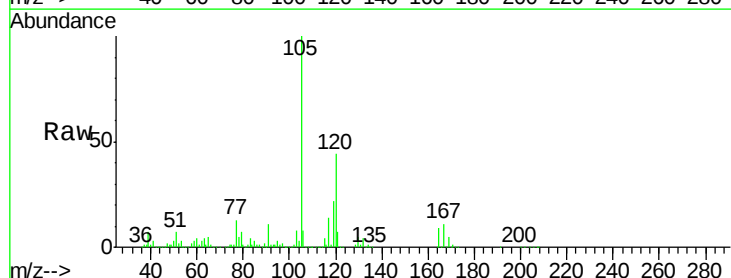
Acq: 14 Jun 2018 11:07

Tgt Ion:105 Resp: 2282925

Ion Ratio Lower Upper

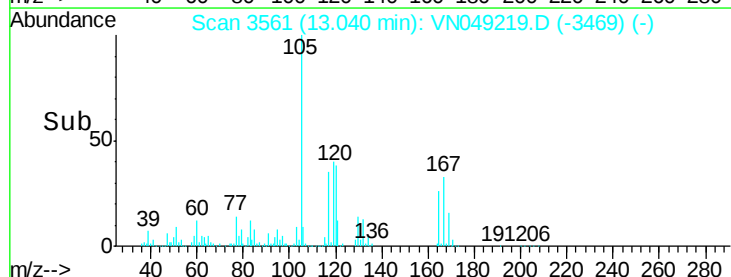
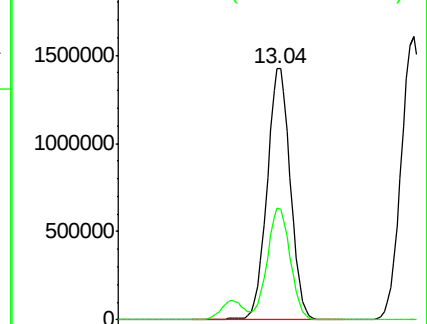
105 100

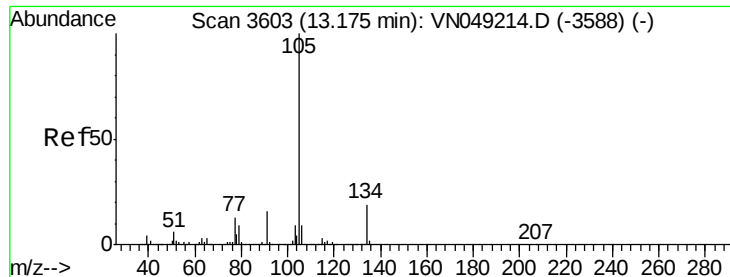
120 43.8 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.818 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2523231

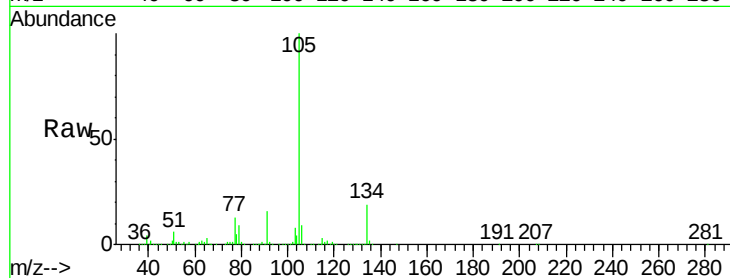
Ion Ratio Lower Upper

105 100

134 19.0 9.8 29.3

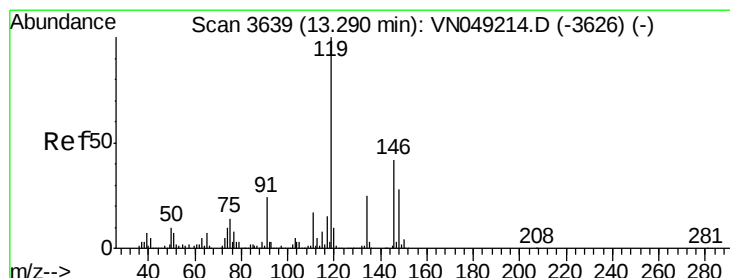
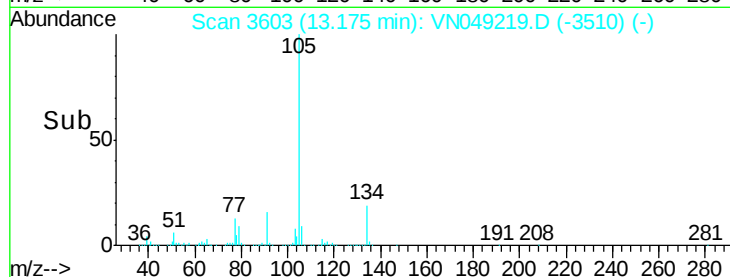
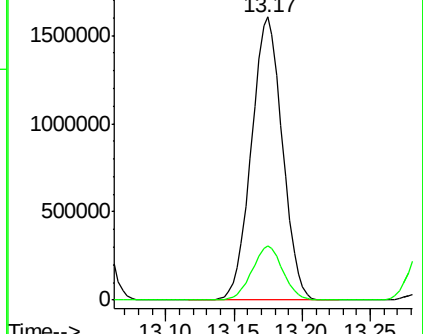
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.408 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

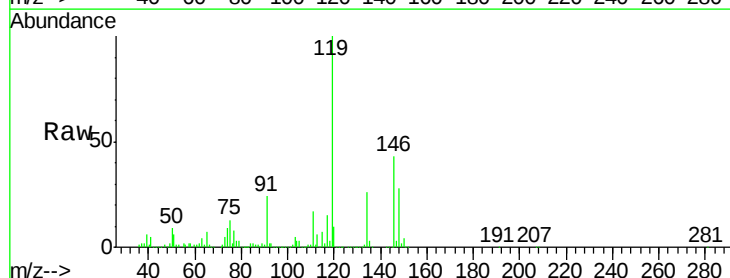
Tgt Ion:119 Resp: 2154262

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.6

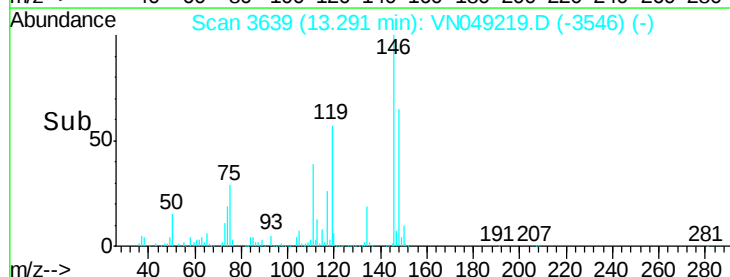
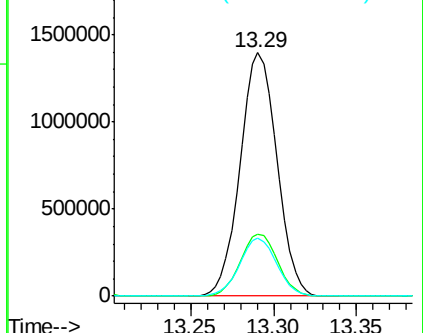
91 23.8 12.1 36.3

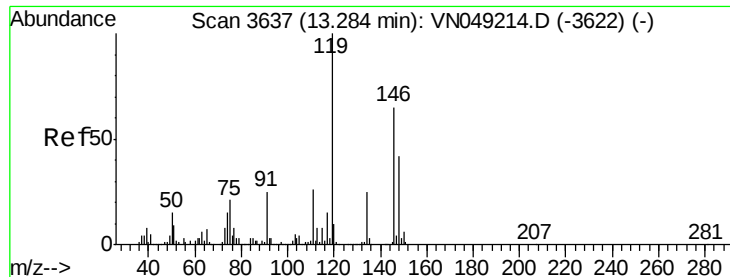


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





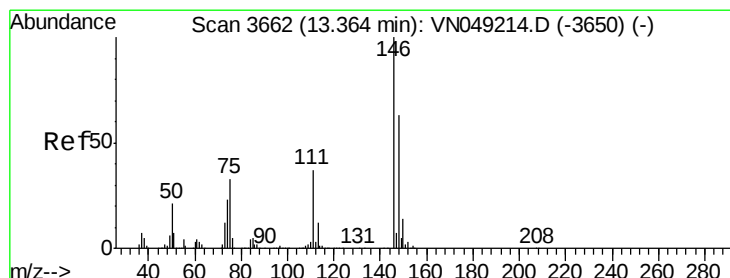
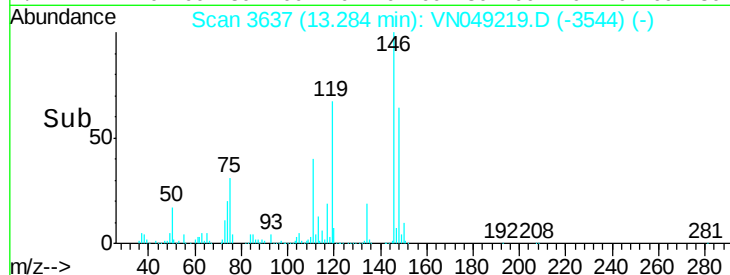
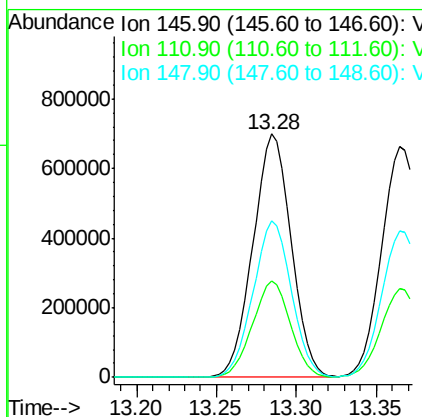
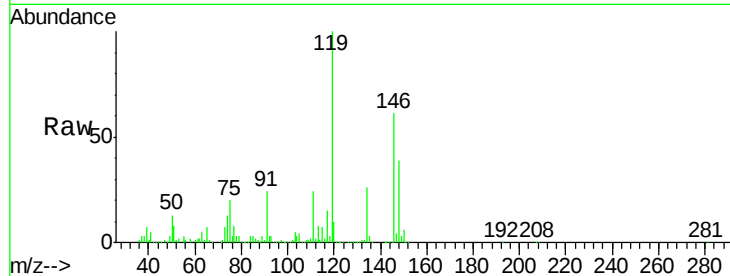
#87
 1,3-Dichlorobenzene
 Concen: 49.121 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049219.D
 Acq: 14 Jun 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.9	59.6
148	64.3	32.1	96.5

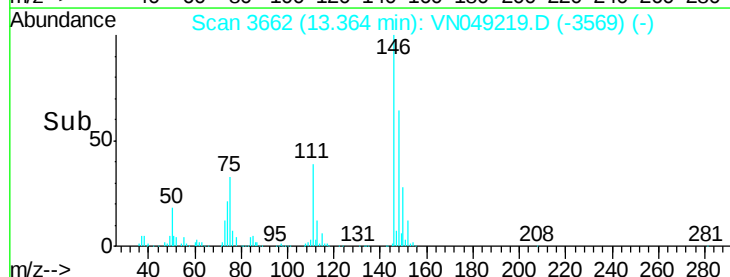
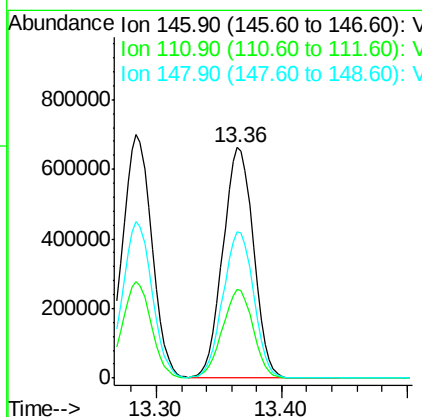
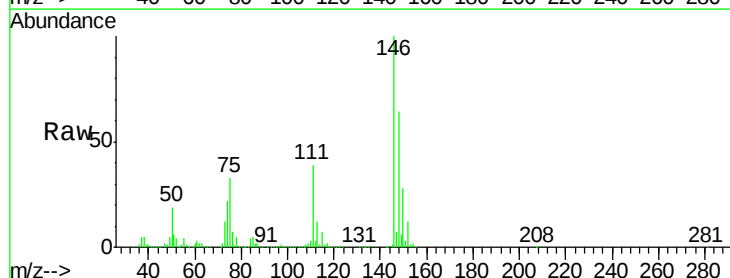
Manual Integrations
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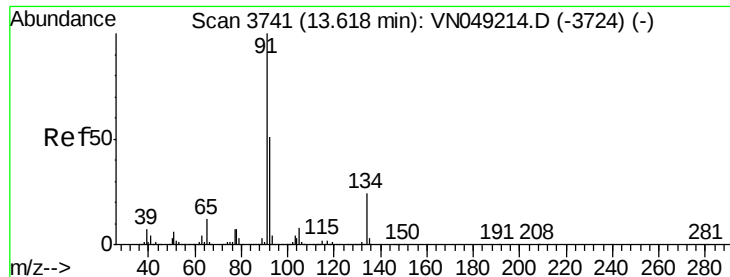
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 48.605 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049219.D
 Acq: 14 Jun 2018 11:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.1
148	63.7	32.0	96.2





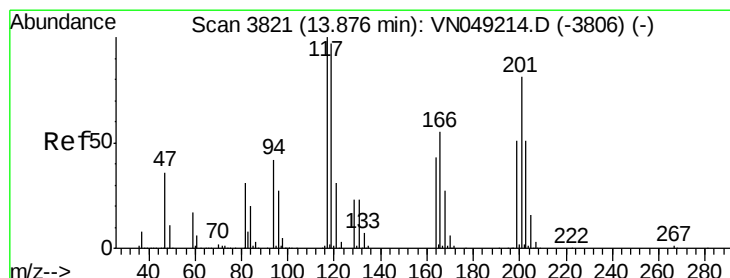
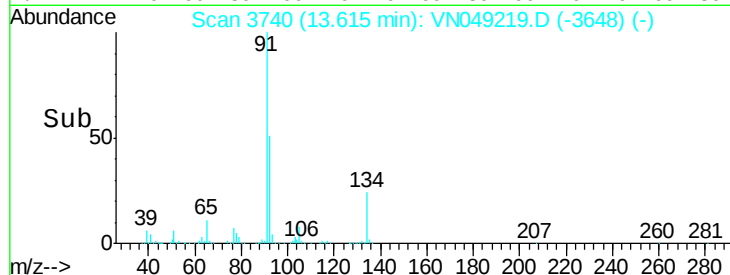
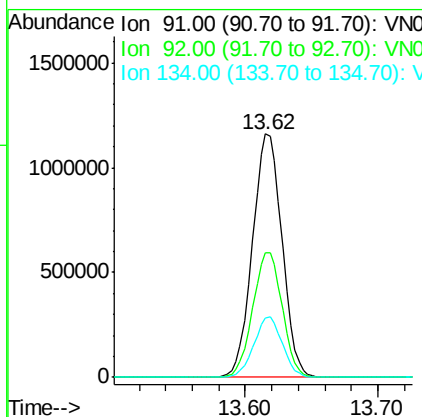
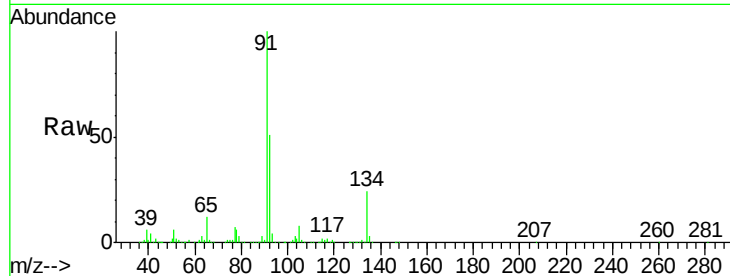
#89
n-Butylbenzene
Concen: 48.093 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.1	75.4
134	24.1	12.0	36.0

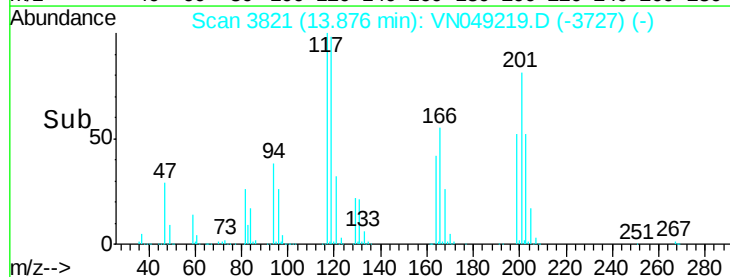
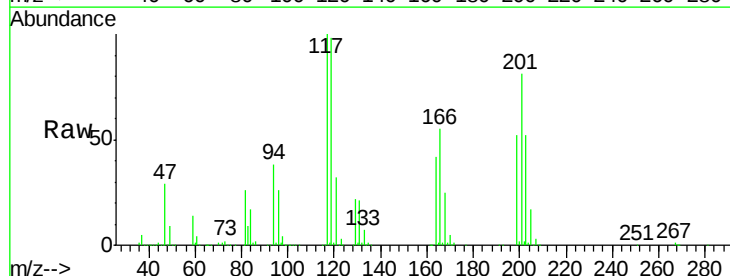
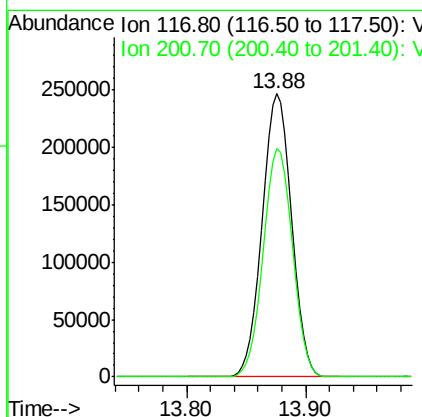
Manual Integrations
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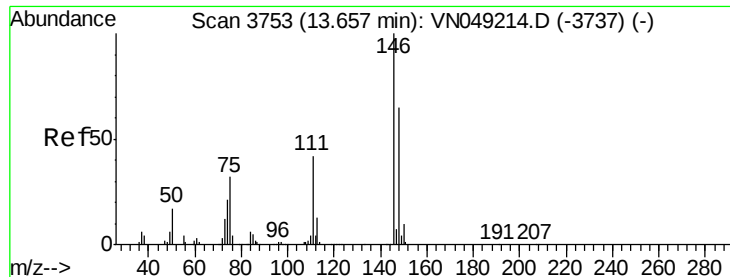
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#90
Hexachloroethane
Concen: 48.775 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049219.D
Acq: 14 Jun 2018 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.5	40.1	120.2





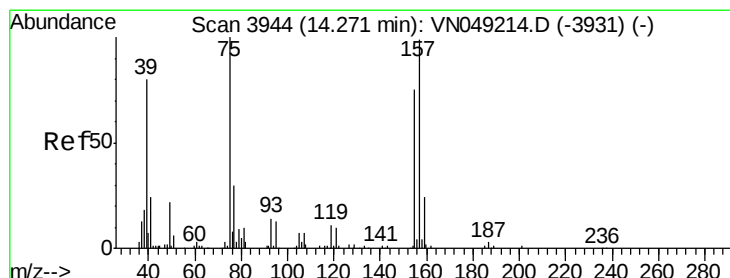
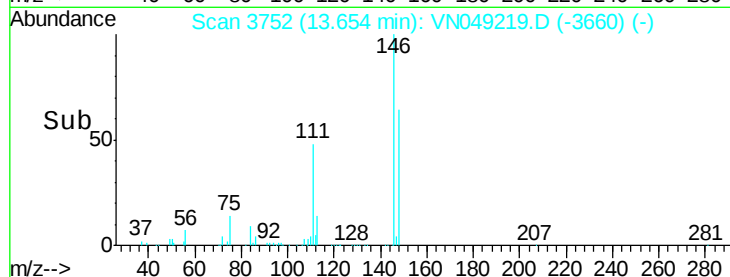
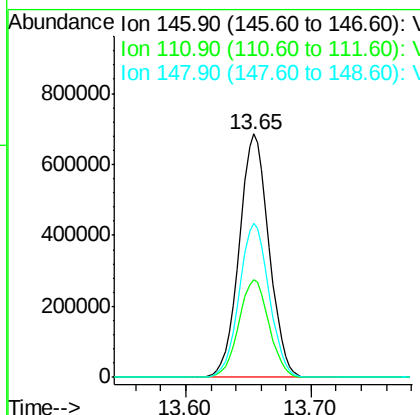
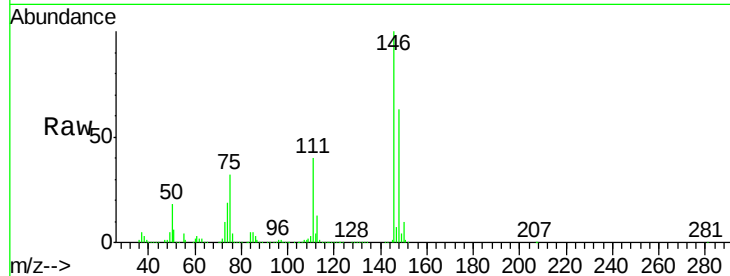
#91
 1,2-Dichlorobenzene
 Concen: 48.805 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049219.D
 Acq: 14 Jun 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.8	62.2
148	63.8	32.0	96.2

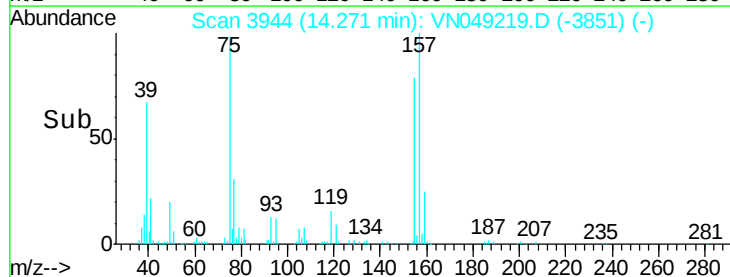
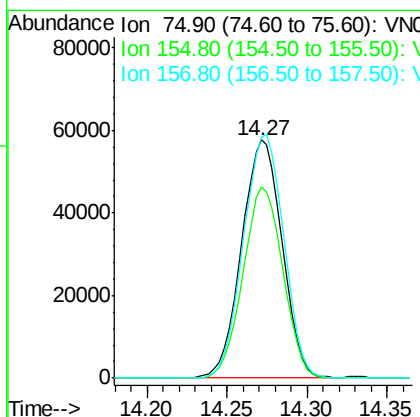
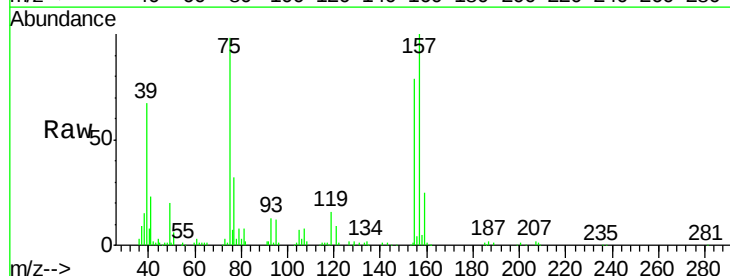
Manual Integrations
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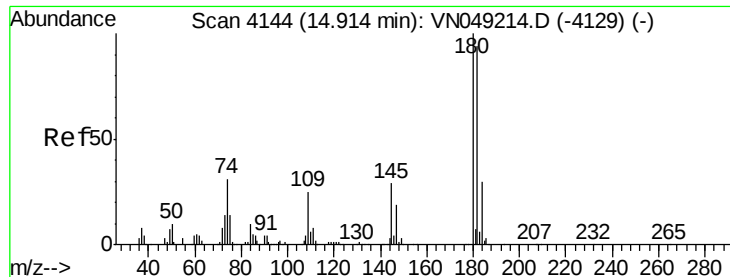
MMDadoda
 6/15/2018 1:15:18 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.806 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049219.D
 Acq: 14 Jun 2018 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	38.8	116.3
157	102.3	51.0	153.1





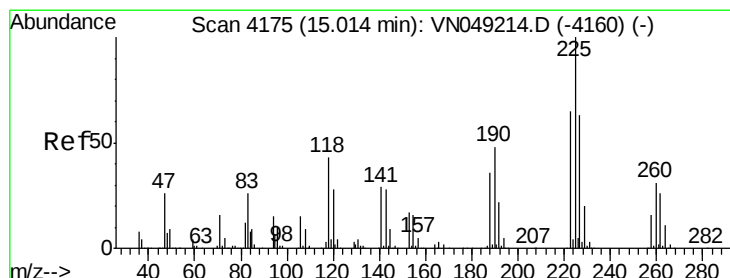
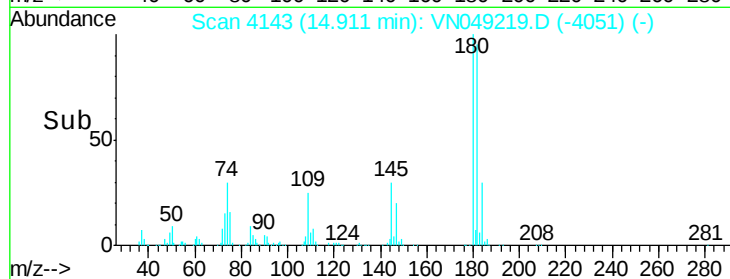
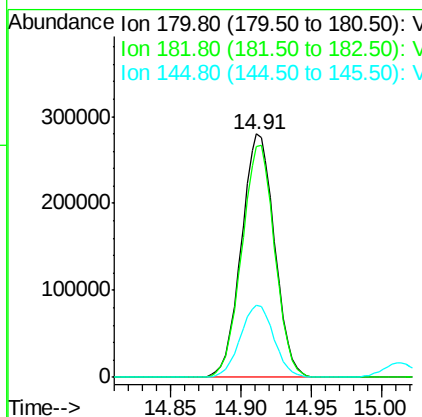
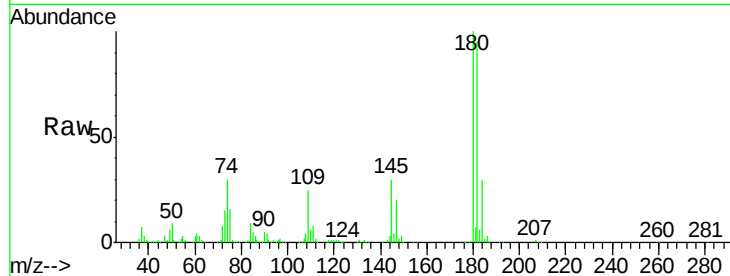
#93
 1,2,4-Trichlorobenzene
 Concen: 46.778 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049219.D
 Acq: 14 Jun 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	460250		
182	95.0	46.9	140.8	
145	30.0	14.7	44.1	

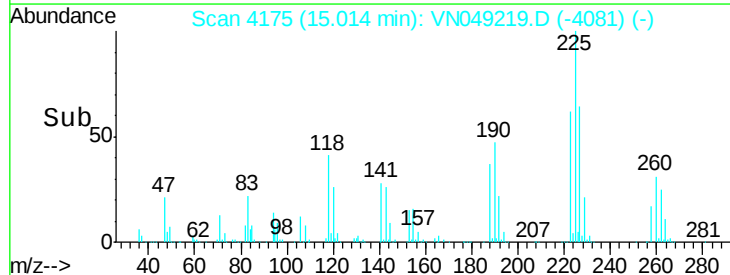
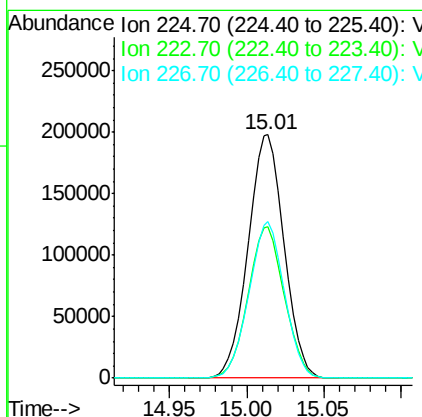
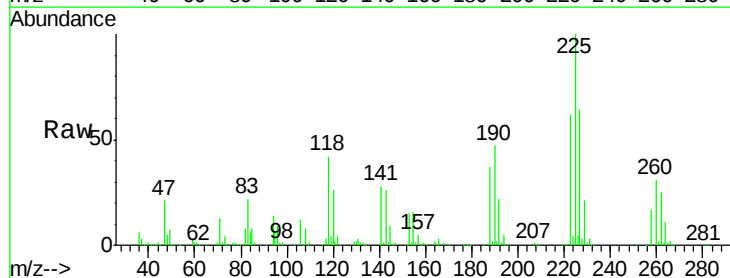
Manual Integrations
 APPROVED

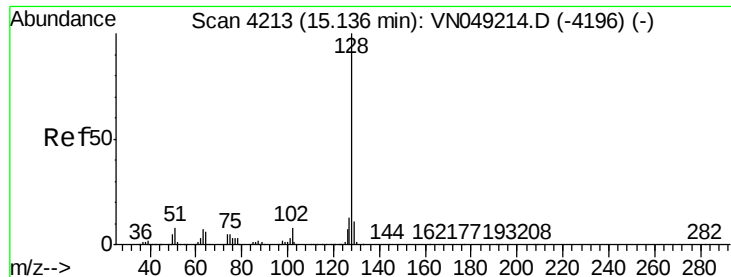
MMDadoda
 6/15/2018 1:15:18 PM



#94
 Hexachlorobutadiene
 Concen: 45.998 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049219.D
 Acq: 14 Jun 2018 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	320788		
223	62.7	32.1	96.3	
227	63.3	31.8	95.3	





#95

Naphthalene

Concen: 43.671 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Instrument :

MSVOA_N

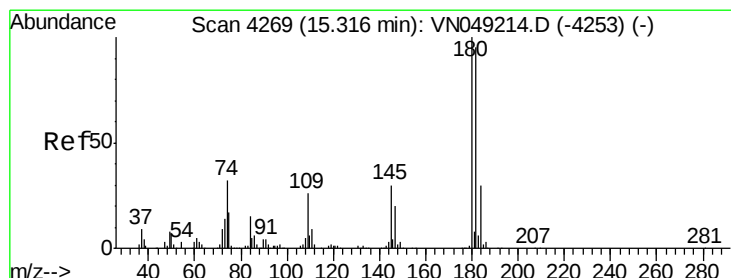
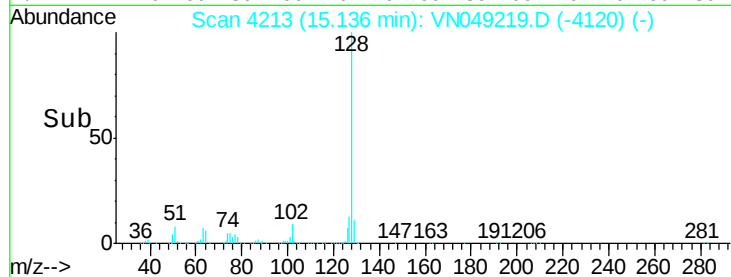
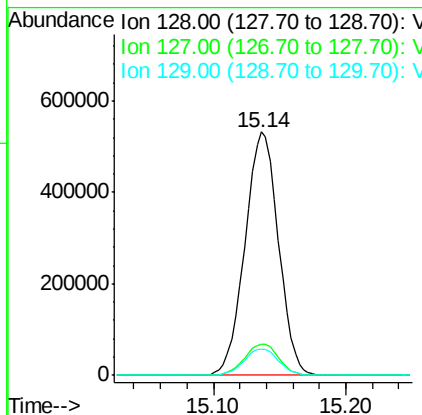
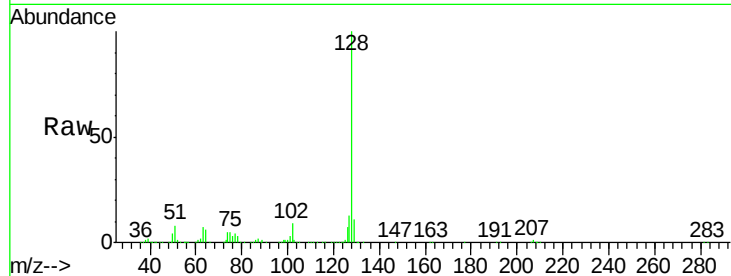
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	929499
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	11.2	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/15/2018 1:15:18 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.402 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049219.D

Acq: 14 Jun 2018 11:07

Tgt Ion:	180	Resp:	468136
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.3	141.8
145	31.9	15.6	46.7

