

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050329.D
 Acq On : 3 Aug 2018 22:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 11:37:15 AM

Quant Time: Aug 04 01:48:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	601144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	885206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	820188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	451886	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	419388	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	7.59	113	371424	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	10.09	98	1361296	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.40	95	469597	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	387178	44.83	ug/l	100
3) Chloromethane	2.06	50	370118	39.42	ug/l	99
4) Vinyl Chloride	2.18	62	413435	41.81	ug/l	98
5) Bromomethane	2.56	94	343752	62.87	ug/l	100
6) Chloroethane	2.70	64	249713	42.05	ug/l	98
7) Trichlorofluoromethane	3.01	101	570428	44.53	ug/l	100
8) Diethyl Ether	3.41	74	207716	48.64	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	349869	45.42	ug/l	100
10) Methyl Iodide	3.95	142	245669	24.85	ug/l	99
11) Tert butyl alcohol	4.80	59	175865	284.97	ug/l	99
12) 1,1-Dichloroethene	3.73	96	313788	45.29	ug/l	96
13) Acrolein	3.61	56	184283	371.67	ug/l	98
14) Allyl chloride	4.32	41	499569	46.50	ug/l	97
15) Acrylonitrile	4.99	53	723796	268.82	ug/l	99
16) Acetone	3.82	43	557498	282.76	ug/l	100
17) Carbon Disulfide	4.05	76	784948	36.98	ug/l	99
18) Methyl Acetate	4.33	43	531011	69.75	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	986049	53.40	ug/l	100
20) Methylene Chloride	4.55	84	370257	49.78	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	337008	45.90	ug/l	99
22) Diisopropyl ether	5.96	45	1139203	53.48	ug/l	99
23) Vinyl Acetate	5.90	43	3751690	249.22	ug/l	99
24) 1,1-Dichloroethane	5.85	63	661678	47.50	ug/l	99
25) 2-Butanone	6.84	43	886110	276.98	ug/l	100
26) 2,2-Dichloropropane	6.83	77	426169	40.22	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	392129	49.62	ug/l	98
28) Bromochloromethane	7.20	49	313054	49.27	ug/l	100
29) Tetrahydrofuran	7.22	42	585038	283.00	ug/l	99
30) Chloroform	7.37	83	691025	48.61	ug/l	98
31) Cyclohexane	7.66	56	519505	44.96	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	579202	47.63	ug/l	100
36) 1,1-Dichloropropene	7.79	75	488229	48.96	ug/l	99
37) Ethyl Acetate	6.93	43	367936	52.92	ug/l	99
38) Carbon Tetrachloride	7.78	117	500808	47.33	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	483214	47.10	ug/l	99
40) Benzene	8.04	78	1499374	49.41	ug/l	99
41) Methacrylonitrile	7.18	41	201730m	55.39	ug/l	
42) 1,2-Dichloroethane	8.13	62	500965	49.48	ug/l	100
43) Isopropyl Acetate	8.17	43	706559	54.01	ug/l	99
44) Trichloroethene	8.84	130	387048	47.46	ug/l	99
45) 1,2-Dichloropropane	9.12	63	408783	50.86	ug/l	98
46) Dibromomethane	9.21	93	250447	50.18	ug/l	98
47) Bromodichloromethane	9.40	83	526465	49.98	ug/l	99
48) Methyl methacrylate	9.20	41	342253	57.15	ug/l	100
49) 1,4-Dioxane	9.20	88	99652	1222.80	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1974930	288.93	ug/l	99
52) Toluene	10.16	92	925807	51.68	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	514777	51.79	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	577532	50.84	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	374379	52.69	ug/l	98
56) Ethyl methacrylate	10.43	69	490087	50.88	ug/l	99
57) 1,3-Dichloropropane	10.71	76	614185	53.08	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1145790	254.63	ug/l	100
59) 2-Hexanone	10.75	43	1383706	274.96	ug/l	99
60) Dibromochloromethane	10.90	129	413653	52.58	ug/l	98
61) 1,2-Dibromoethane	11.01	107	367070	52.07	ug/l	98
64) Tetrachloroethene	10.63	164	368659	46.75	ug/l	98
65) Chlorobenzene	11.44	112	1018996	49.18	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	396470	49.81	ug/l	100
67) Ethyl Benzene	11.51	91	1734168	52.11	ug/l	99
68) m/p-Xylenes	11.62	106	1348055	107.09	ug/l	100
69) o-Xylene	11.95	106	645265	53.77	ug/l	99
70) Styrene	11.97	104	1082887	50.73	ug/l	99
71) Bromoform	12.13	173	300577	51.91	ug/l #	99
73) Isopropylbenzene	12.25	105	1727242	49.28	ug/l	100
74) N-amyl acetate	12.07	43	566741	52.91	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	513165	55.00	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	434017m	51.68	ug/l	
77) Bromobenzene	12.53	156	458515	47.21	ug/l	99
78) n-propylbenzene	12.59	91	2009631	51.30	ug/l	100
79) 2-Chlorotoluene	12.68	91	1195388	49.23	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1456758	52.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	130132	49.15	ug/l	98
82) 4-Chlorotoluene	12.78	91	1220900	50.78	ug/l	99
83) tert-Butylbenzene	12.99	119	1240987	51.58	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1512122	54.42	ug/l	99
85) sec-Butylbenzene	13.17	105	1668118	51.89	ug/l	100
86) p-Isopropyltoluene	13.29	119	1462134	53.98	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	816814	49.61	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	804014	50.10	ug/l	99
89) n-Butylbenzene	13.62	91	1201326	53.94	ug/l	100
90) Hexachloroethane	13.88	117	244945	40.73	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	817971	49.69	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	84637	54.27	ug/l	98

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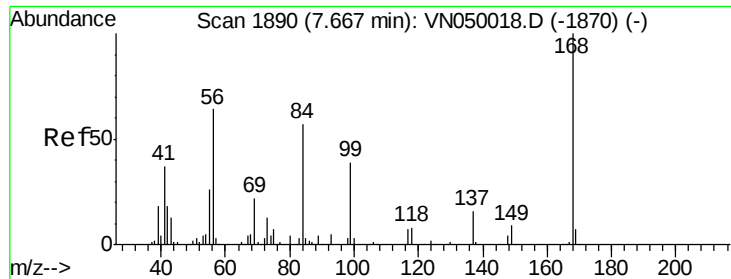
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	449446	51.39	ug/l	98
94) Hexachlorobutadiene	15.01	225	233982	46.43	ug/l	99
95) Naphthalene	15.14	128	1139517	54.76	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	452295	53.06	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 601144

Ion Ratio Lower Upper

168 100

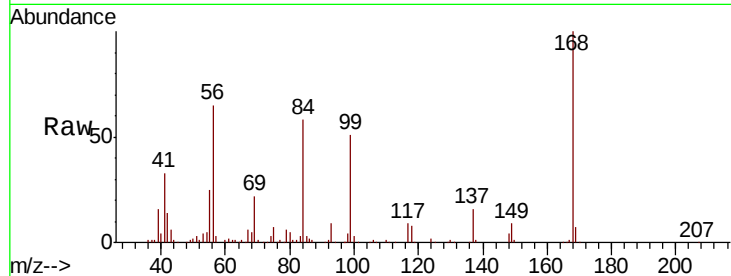
99 51.2 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

300000

250000

200000

150000

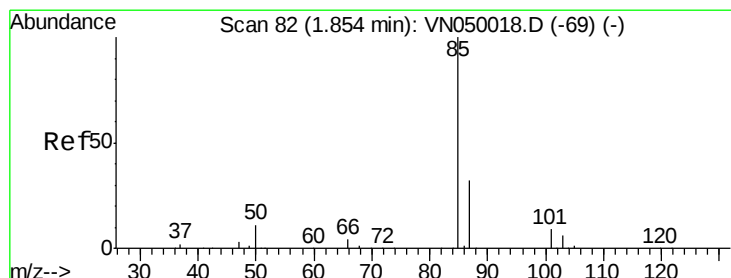
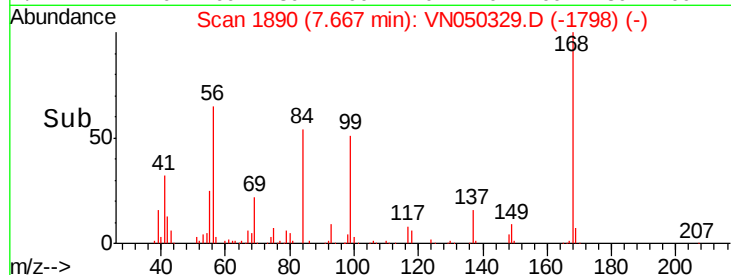
100000

50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 44.83 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050329.D

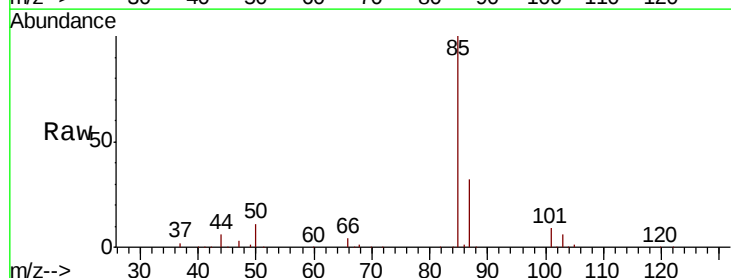
Acq: 3 Aug 2018 22:26

Tgt Ion: 85 Resp: 387178

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

300000

250000

200000

150000

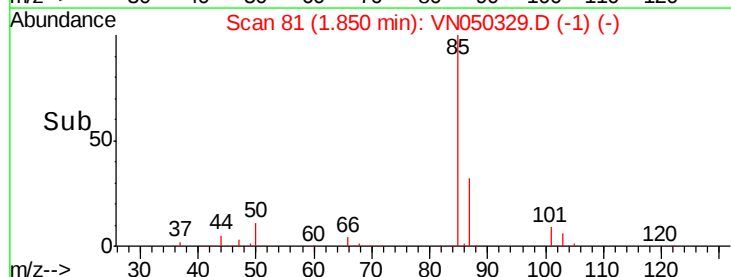
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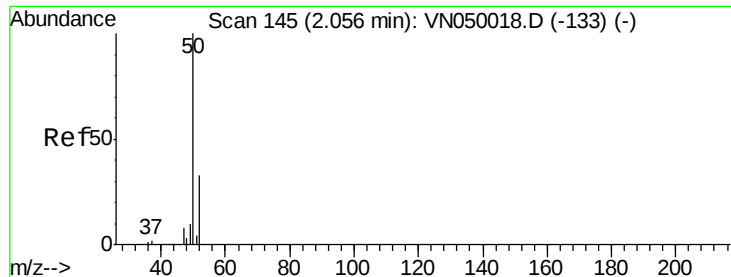
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 39.42 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 370118

Ion Ratio Lower Upper

50 100

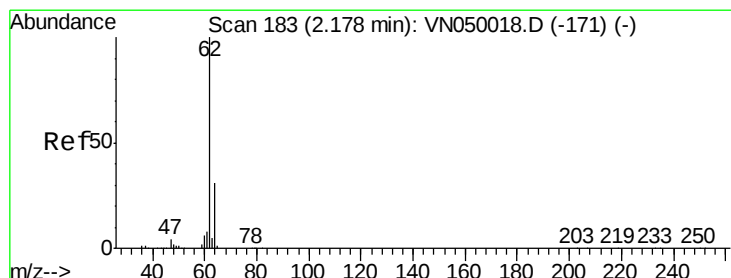
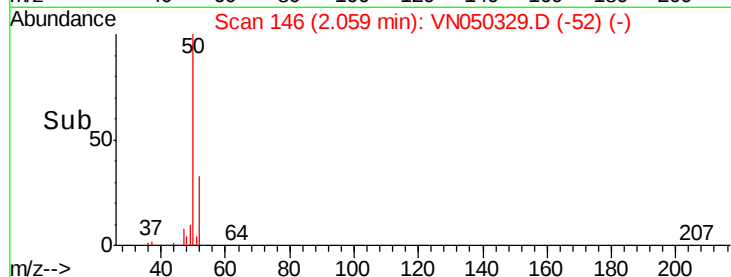
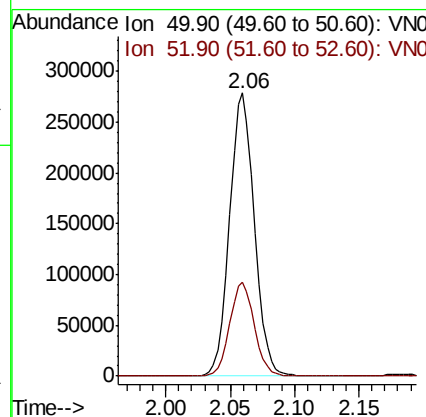
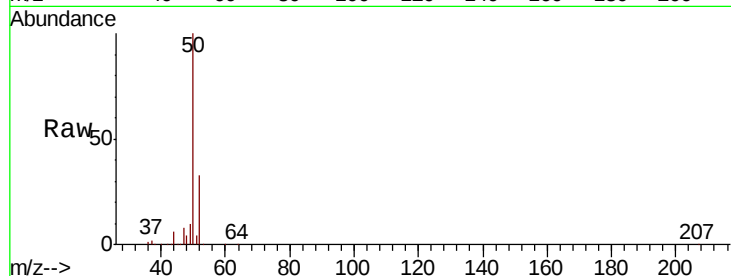
52 33.2 25.9 38.9

Manual Integrations

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8/6/2018 11:37:15 AM



#4

Vinyl Chloride

Concen: 41.81 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050329.D

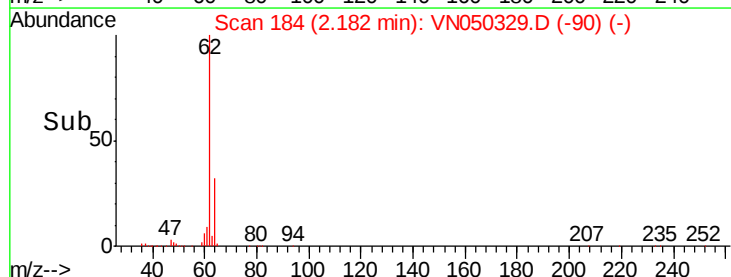
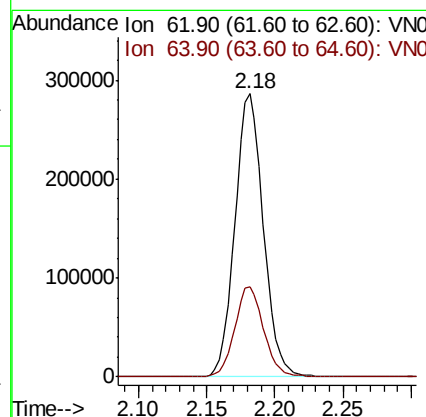
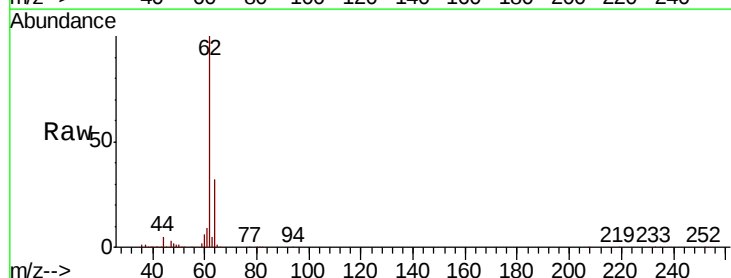
Acq: 3 Aug 2018 22:26

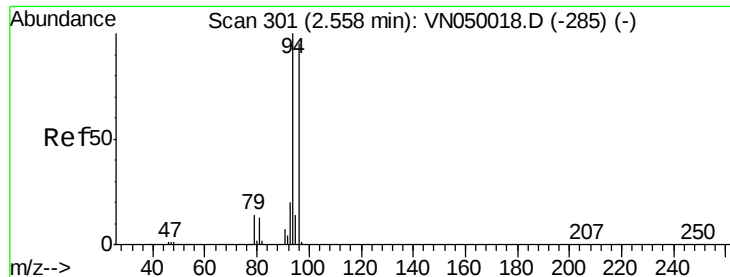
Tgt Ion: 62 Resp: 413435

Ion Ratio Lower Upper

62 100

64 31.8 24.7 37.1





#5

Bromomethane

Concen: 62.87 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 343752

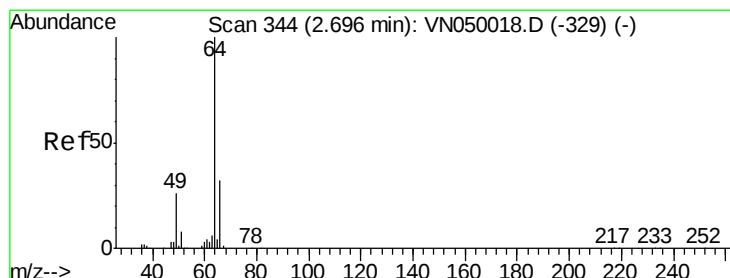
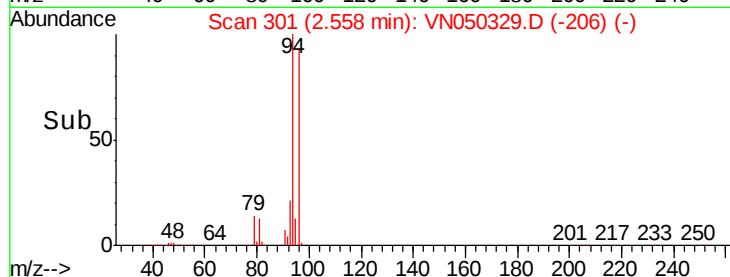
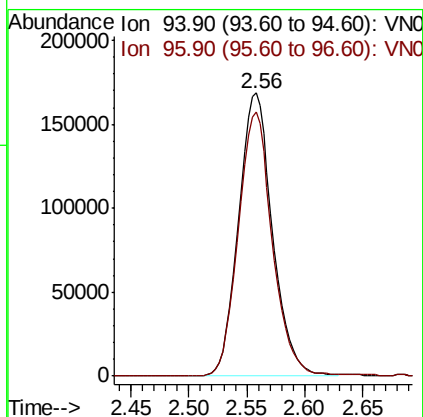
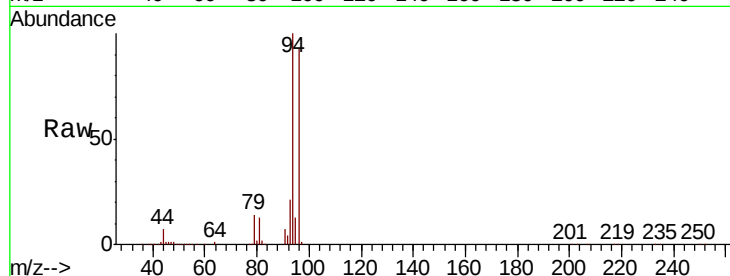
Ion Ratio Lower Upper

94 100

96 93.3 74.6 112.0

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#6

Chloroethane

Concen: 42.05 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050329.D

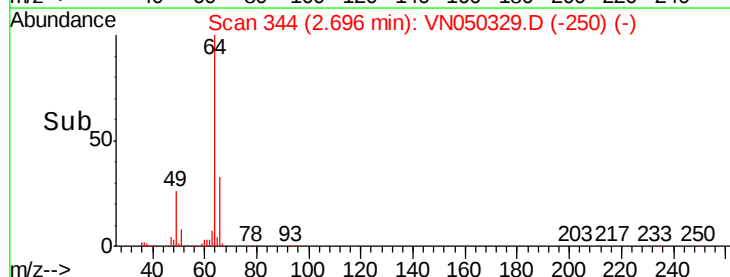
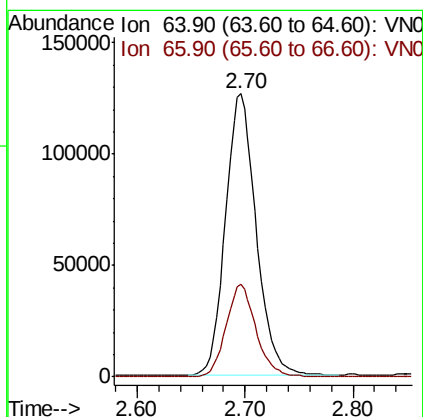
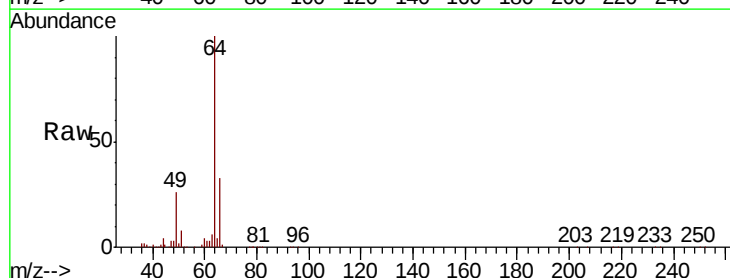
Acq: 3 Aug 2018 22:26

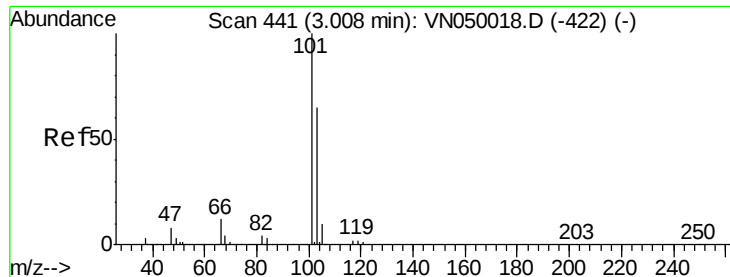
Tgt Ion: 64 Resp: 249713

Ion Ratio Lower Upper

64 100

66 32.7 25.3 37.9





#7

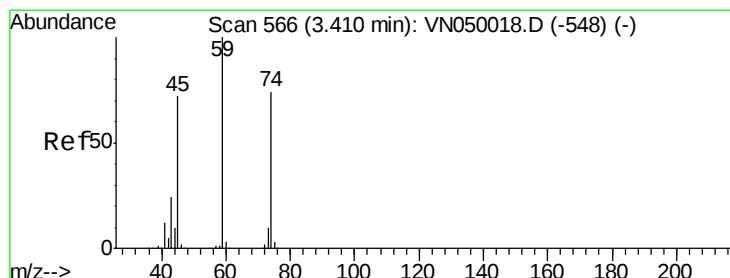
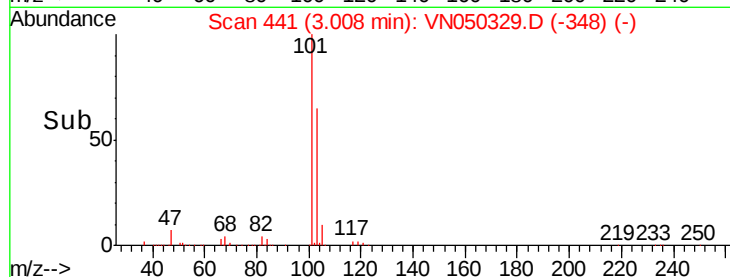
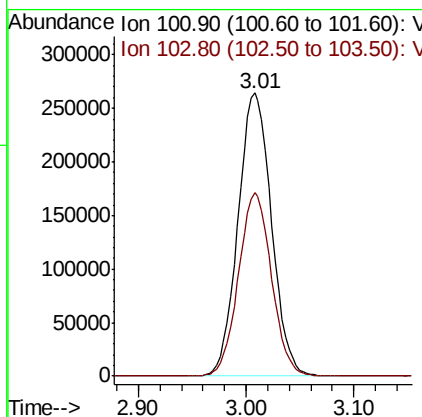
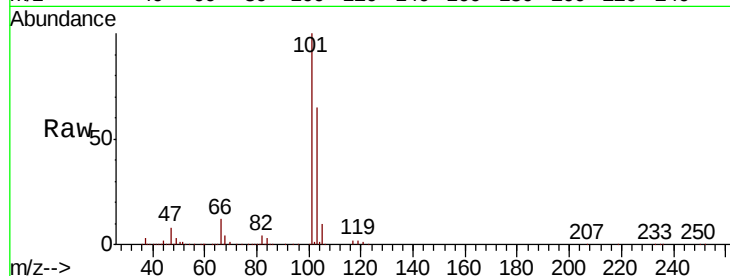
Trichlorofluoromethane
 Concen: 44.53 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050329.D
 Acq: 3 Aug 2018 22:26

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.7	77.5

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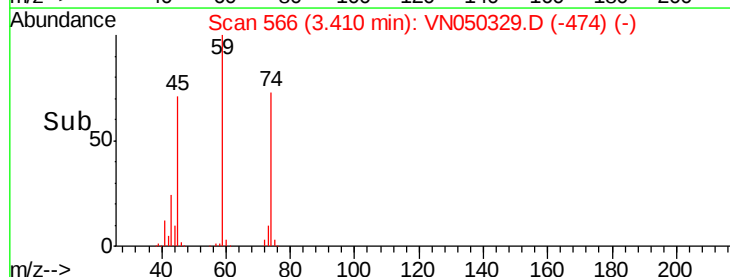
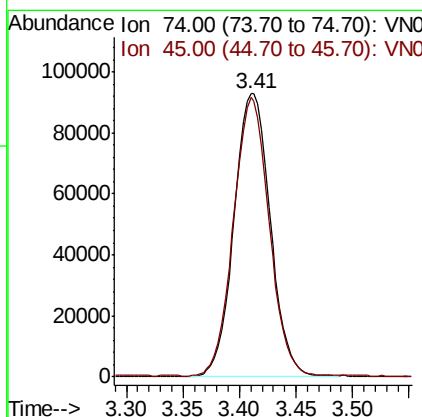
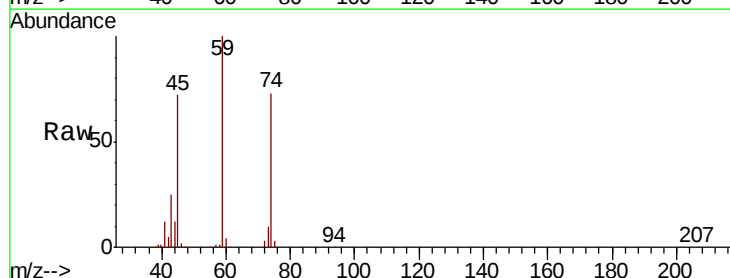
MMDadoda
 8/6/2018 11:37:15 AM

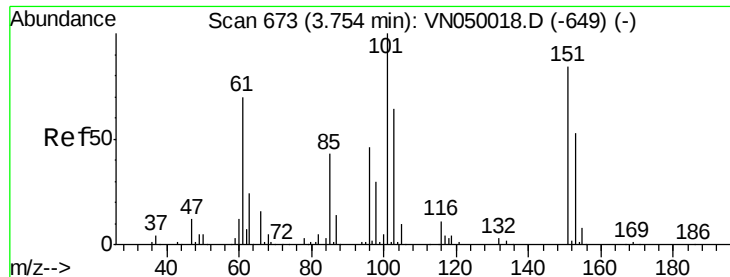


#8

Diethyl Ether
 Concen: 48.64 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050329.D
 Acq: 3 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.42 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050329.D

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Instrument :

MSVOA_N

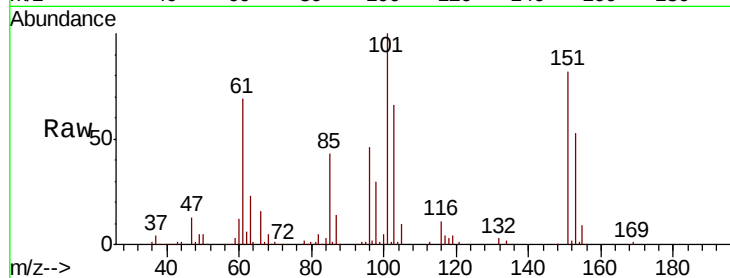
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	349869		
85	42.5	34.2	51.2	
151	82.9	66.3	99.5	

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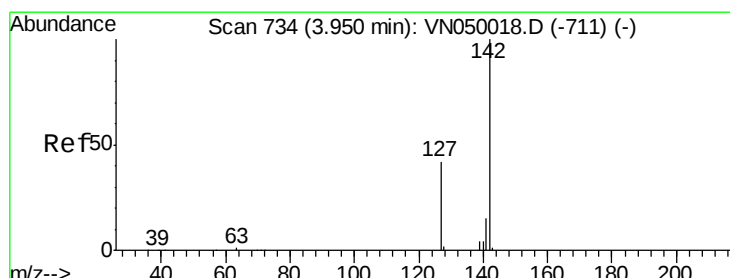
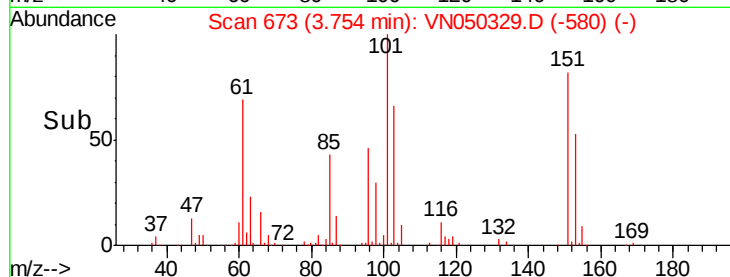
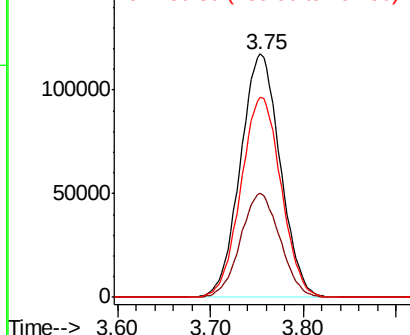


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 24.85 ug/l

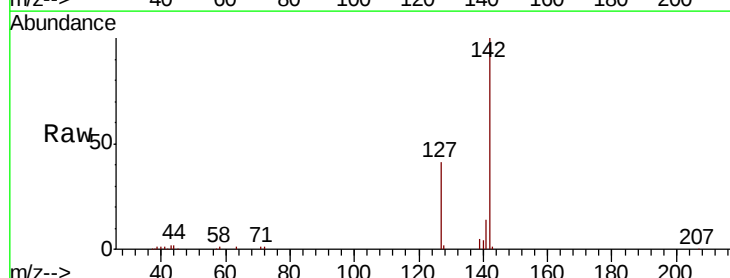
RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	245669		
127	40.8	33.4	50.2	
141	14.3	11.6	17.4	

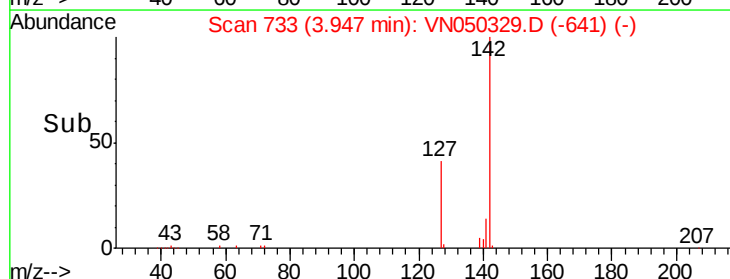
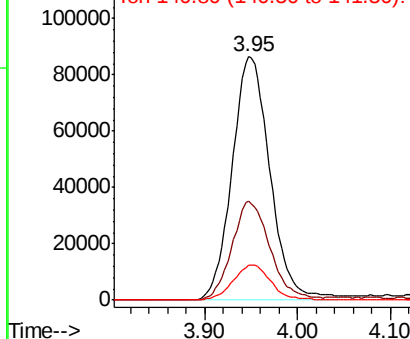


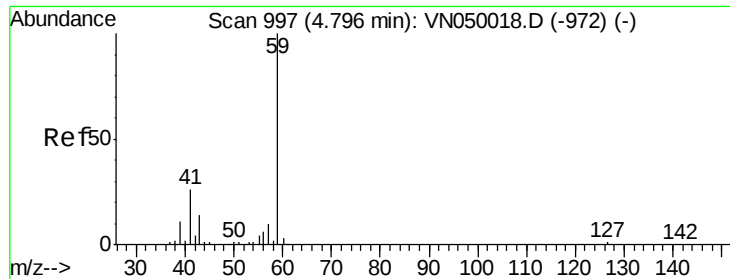
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





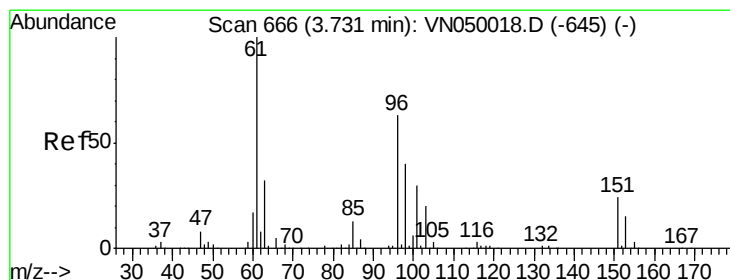
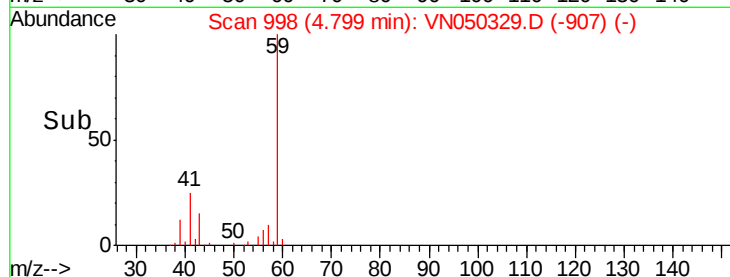
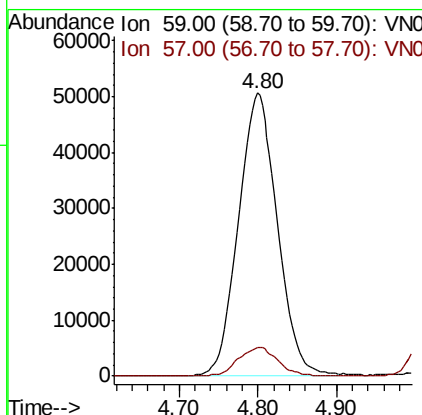
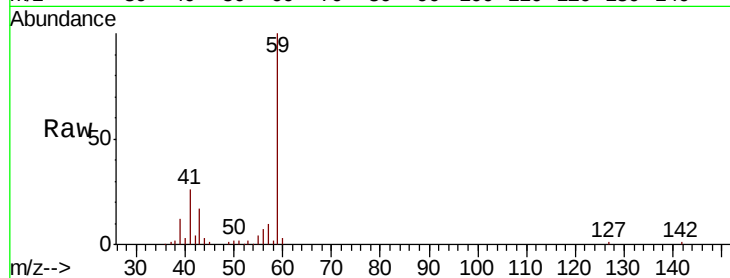
#11
Tert butyl alcohol
Concen: 284.97 ug/l
RT: 4.80 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	175865
Ion Ratio	100	Lower	Upper
57	10.4	8.5	12.7

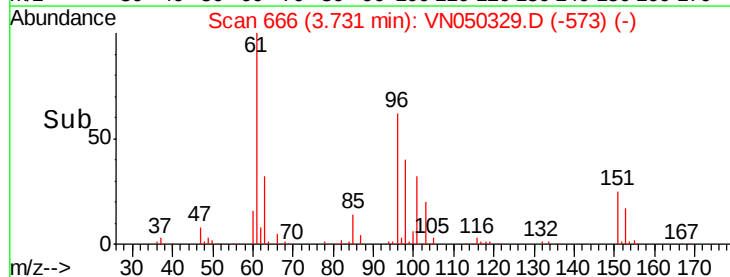
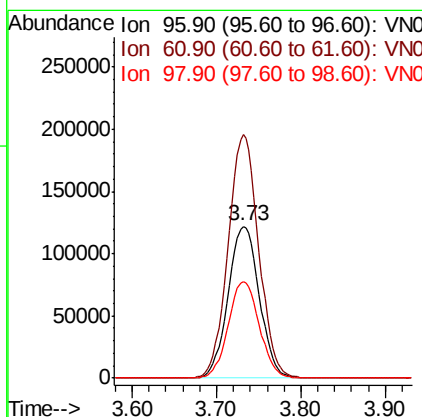
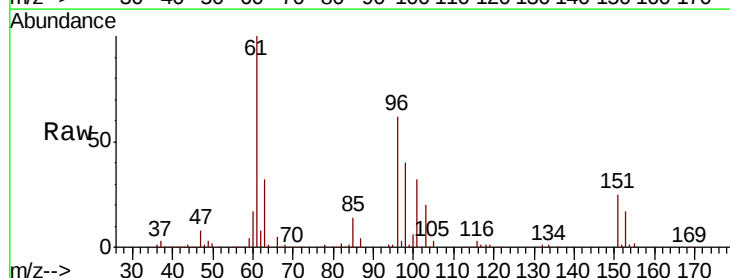
Manual Integrations
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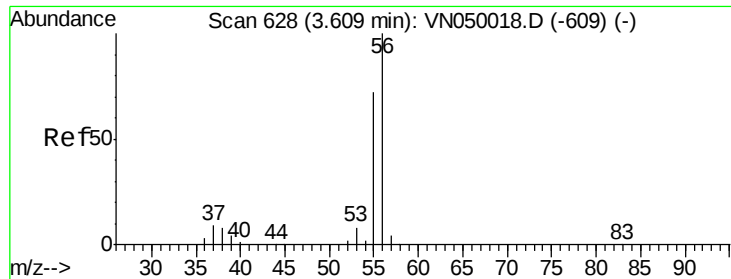
MMDadoda
8/6/2018 11:37:15 AM



#12
1,1-Dichloroethene
Concen: 45.29 ug/l
RT: 3.73 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Tgt Ion	96	Resp	313788
Ion Ratio	100	Lower	Upper
61	160.5	124.4	186.6
98	63.9	48.3	72.5





#13

Acrolein

Concen: 371.67 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 184283

Ion Ratio Lower Upper

56 100

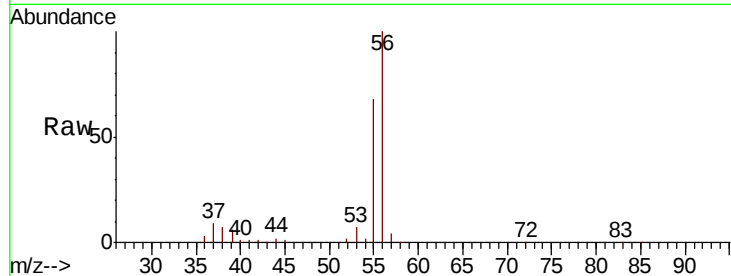
55 71.2 55.8 83.6

Manual Integrations

APPROVED

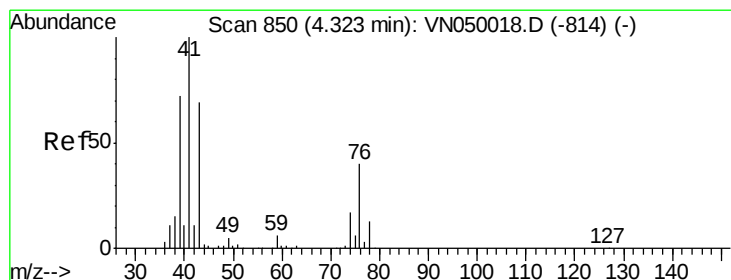
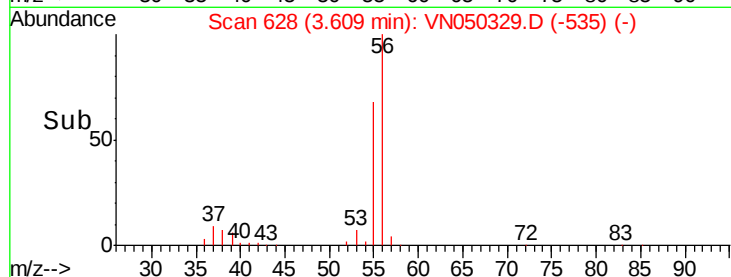
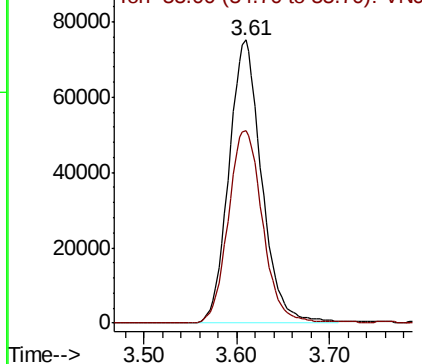
MMDadoda

8/6/2018 11:37:15 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.50 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

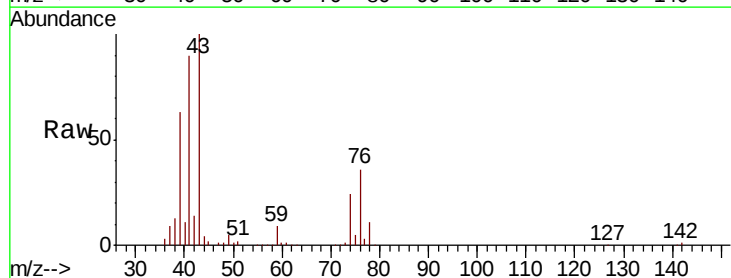
Tgt Ion: 41 Resp: 499569

Ion Ratio Lower Upper

41 100

39 65.0 54.2 81.4

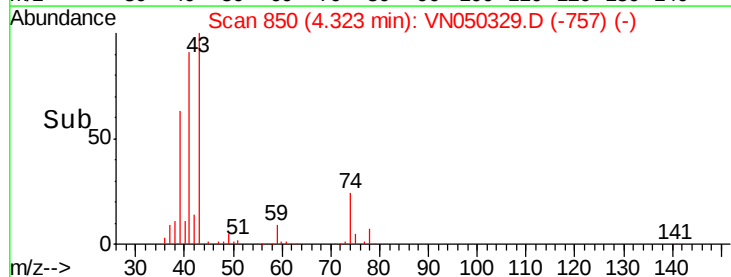
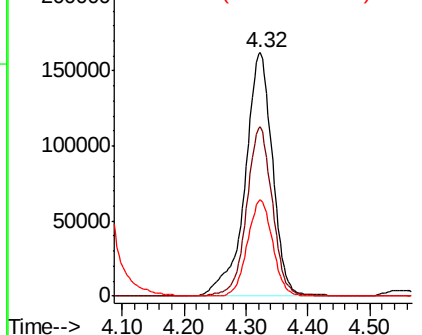
76 35.8 29.0 43.6

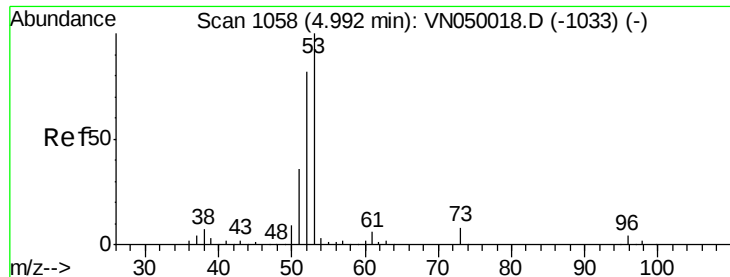


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 268.82 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Instrument :

MSVOA_N

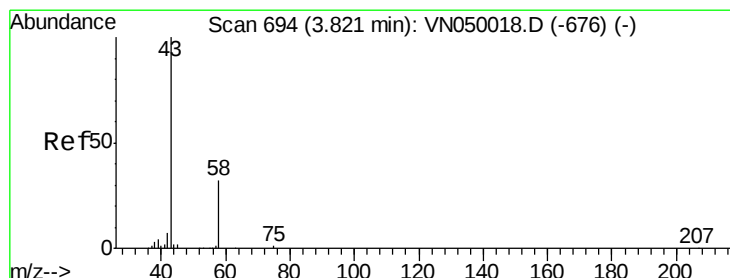
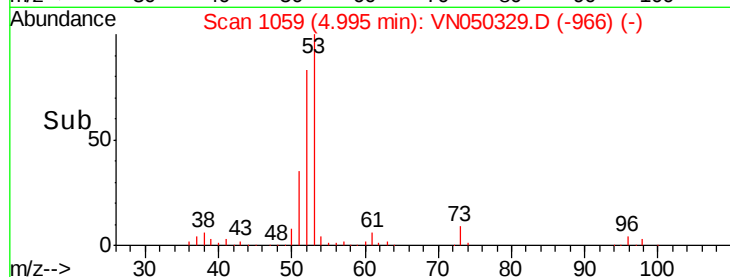
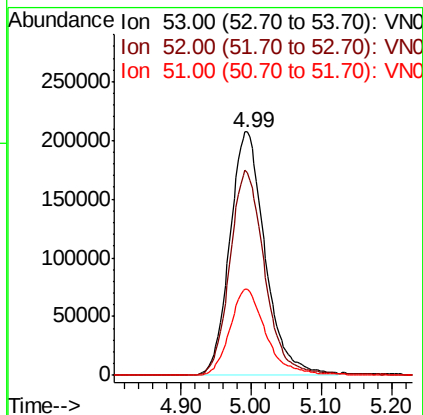
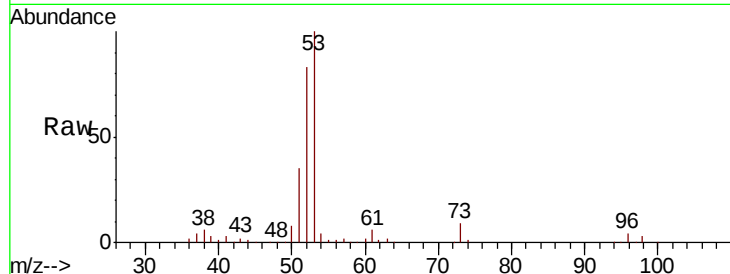
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	723796
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.2	99.2
51	36.1	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 282.76 ug/l

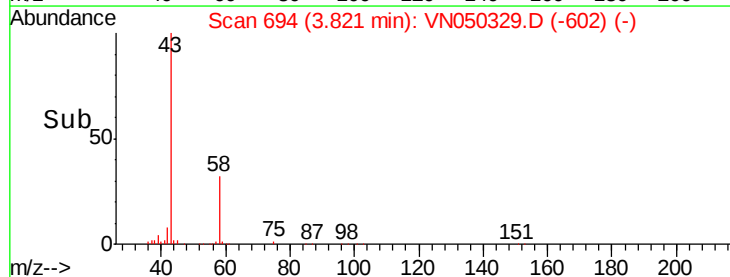
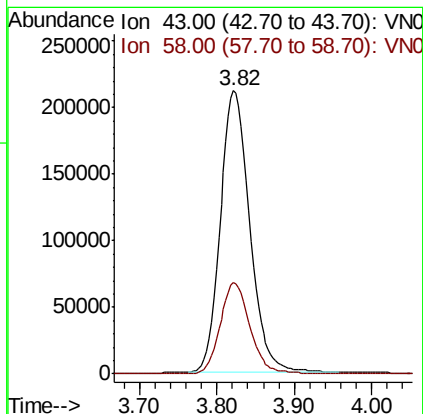
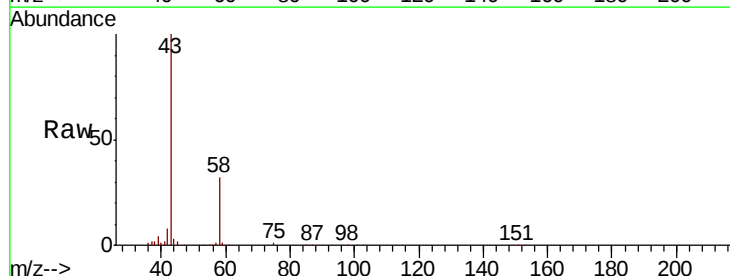
RT: 3.82 min Scan# 694

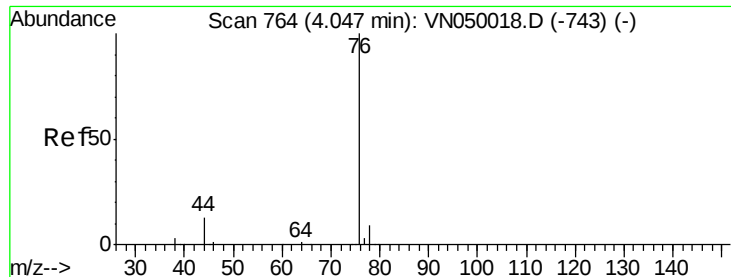
Delta R.T. -0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Tgt Ion:	43	Resp:	557498
Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.8	38.8





#17

Carbon Disulfide

Concen: 36.98 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Tot Ion: 76 Resp: 784948

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9

Instrument :

MSVOA_N

ClientSampleId :

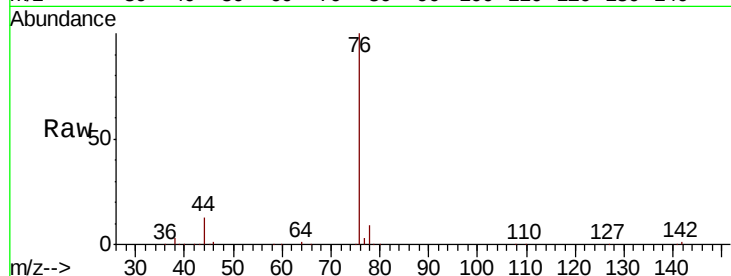
VSTDCCC050

Manual Integrations

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8/6/2018 11:37:15 AM



Abundance Ion 75.90 (75.60 to 76.60): VN050329.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050329.D (-743) (-)

4.05

300000

250000

200000

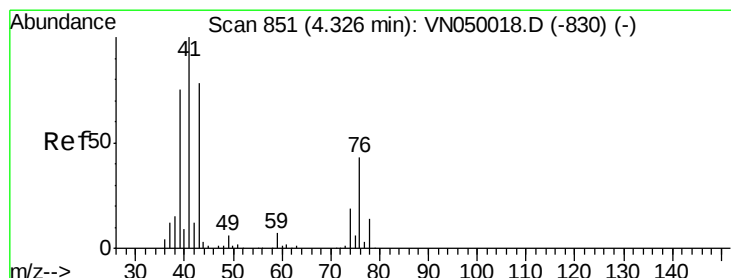
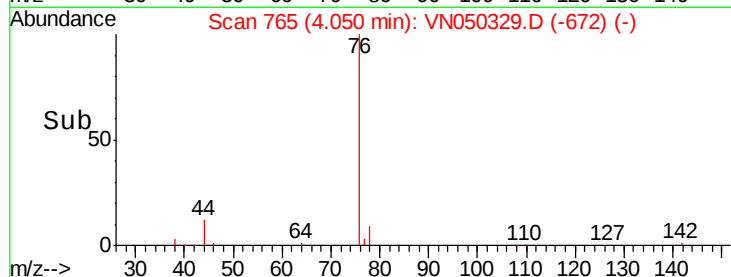
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 69.75 ug/l

RT: 4.33 min Scan# 852

Delta R.T. -0.00 min

Lab File: VN050329.D

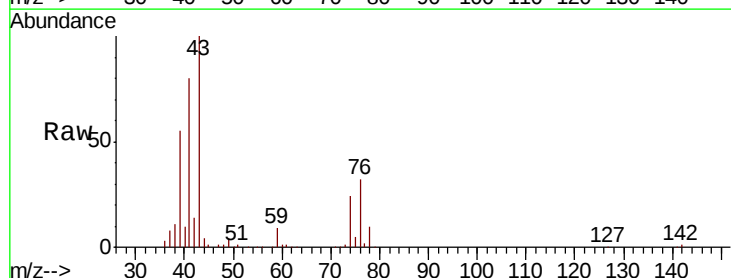
Acq: 3 Aug 2018 22:26

Tgt Ion: 43 Resp: 531011

Ion Ratio Lower Upper

43 100

74 24.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN050329.D (-760) (-)

Ion 74.00 (73.70 to 74.70): VN050329.D (-760) (-)

4.33

200000

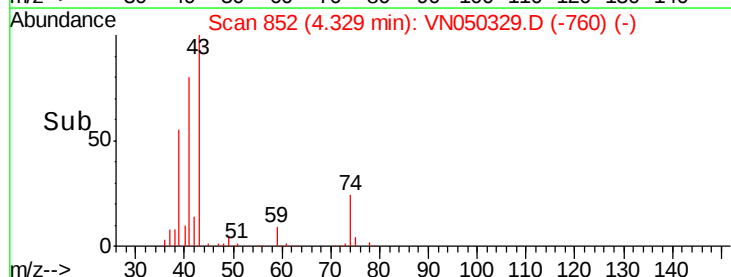
150000

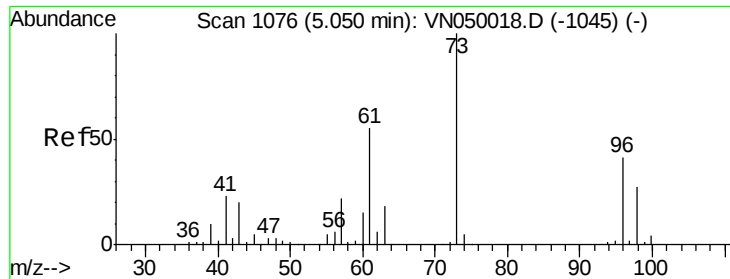
100000

50000

0

Time-->





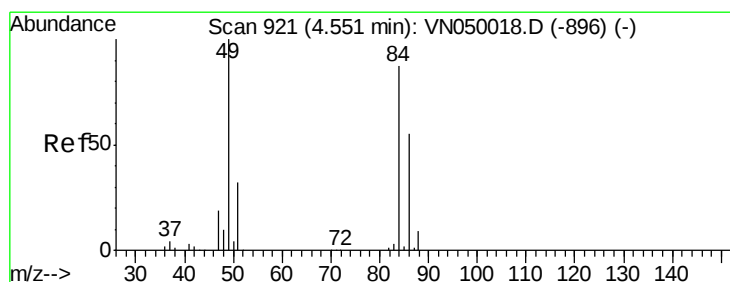
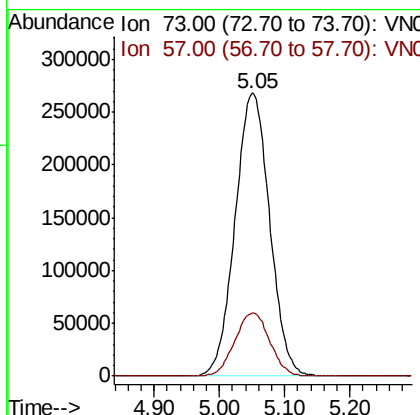
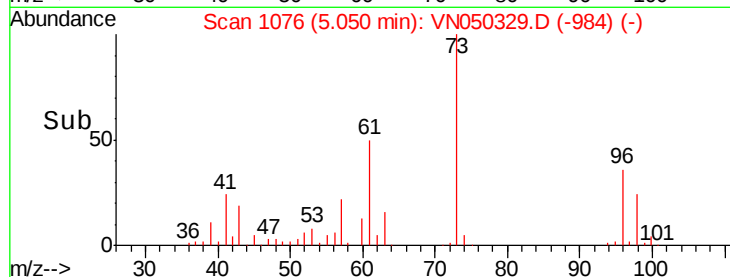
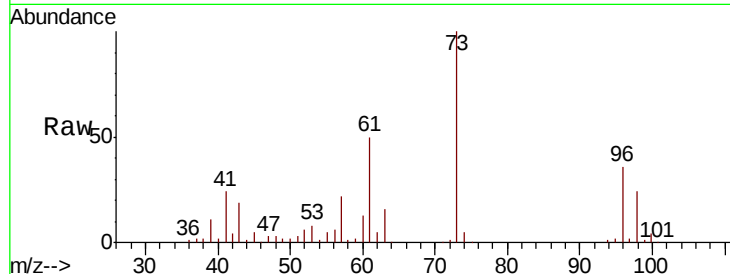
#19
Methvl tert-butvl Ether
Concen: 53.40 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 986049
Ion Ratio Lower Upper
73 100
57 22.4 18.0 27.0

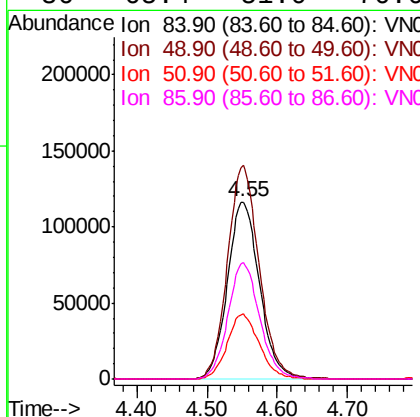
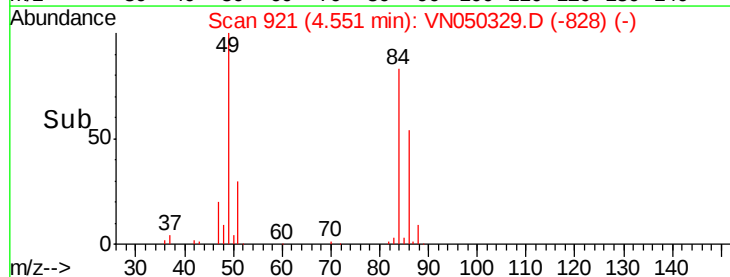
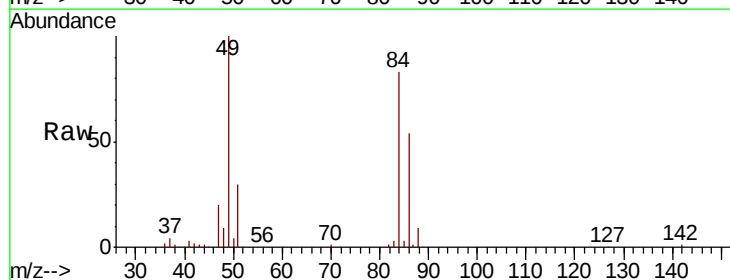
Manual Integrations
APPROVED

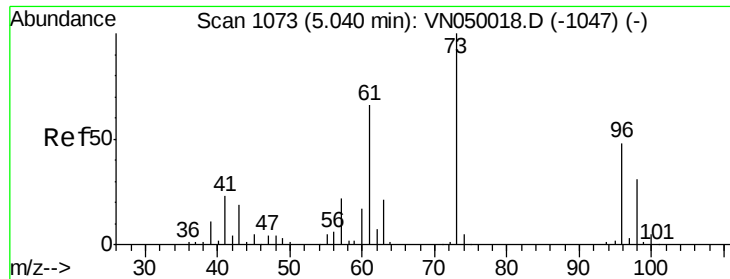
MMDadoda
8/6/2018 11:37:15 AM



#20
Methylene Chloride
Concen: 49.78 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Tgt Ion: 84 Resp: 370257
Ion Ratio Lower Upper
84 100
49 120.5 94.8 142.2
51 36.5 28.3 42.5
86 65.4 51.0 76.6





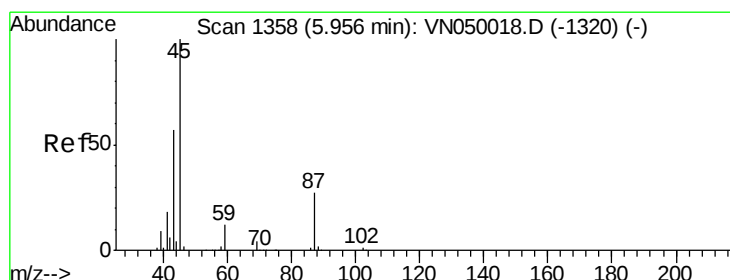
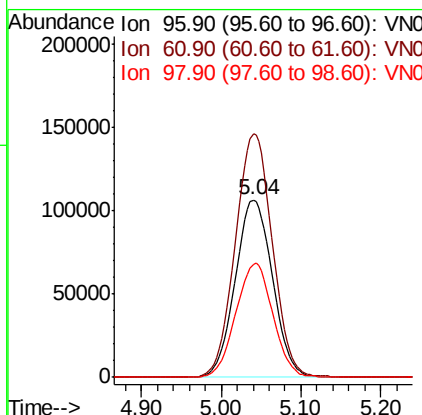
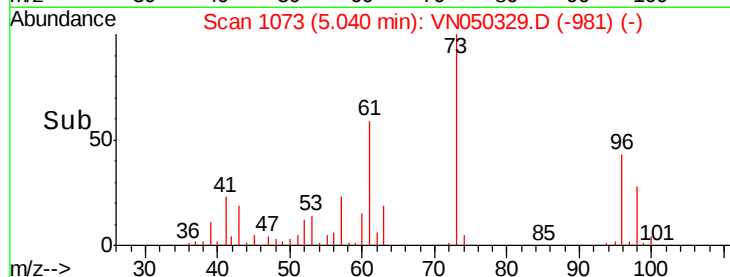
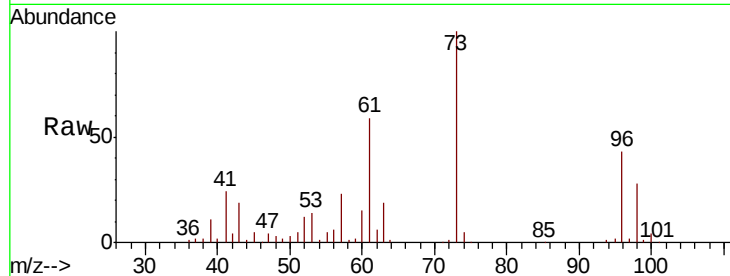
#21
trans-1,2-Dichloroethene
Concen: 45.90 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.2	110.7	166.1
98	63.6	51.6	77.4

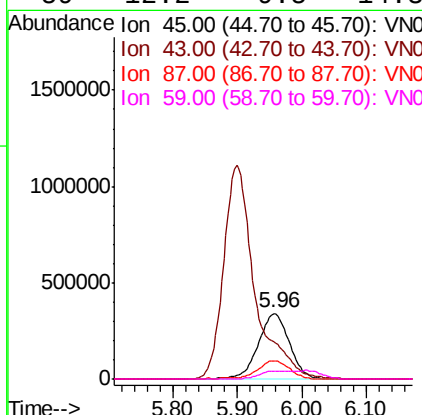
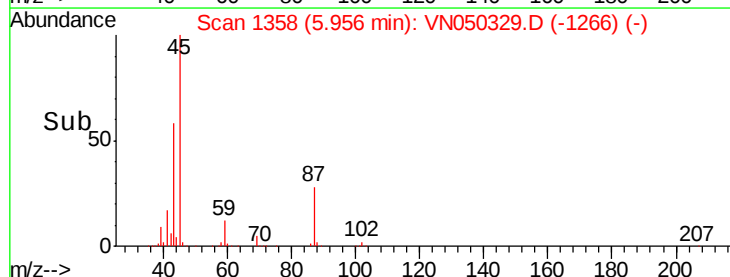
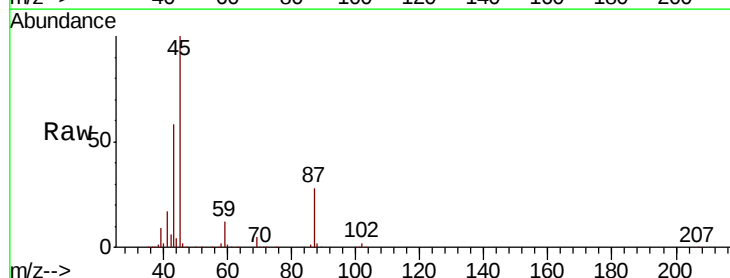
Manual Integrations
APPROVED

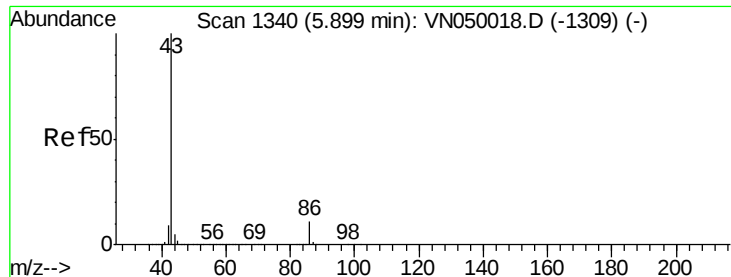
MMDadoda
8/6/2018 11:37:15 AM



#22
Diisopropyl ether
Concen: 53.48 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.5	45.7	68.5
87	28.1	22.7	34.1
59	12.2	9.5	14.3





#23

Vinyl Acetate

Concen: 249.22 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3751690

Ion Ratio Lower Upper

43 100

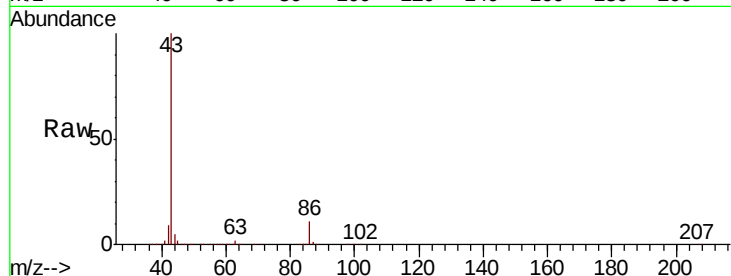
86 10.6 8.6 13.0

Manual Integrations

APPROVED

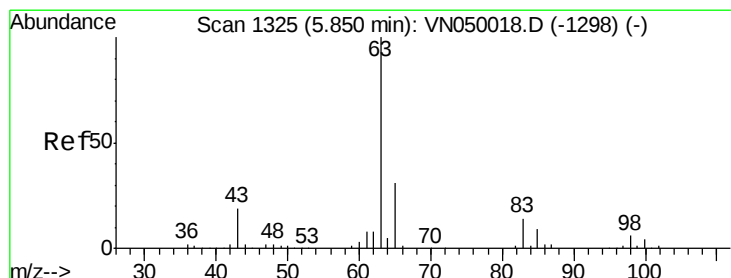
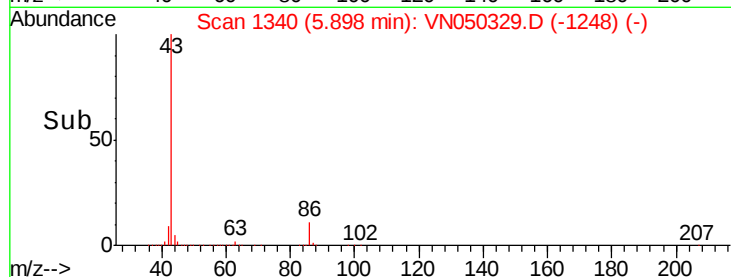
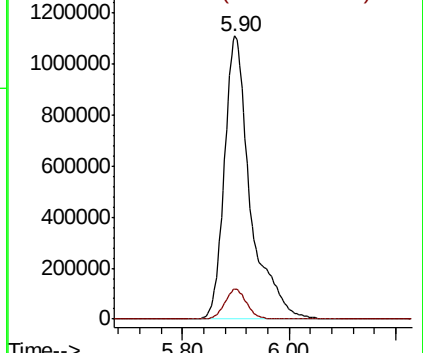
MMDadoda

8/6/2018 11:37:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.50 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

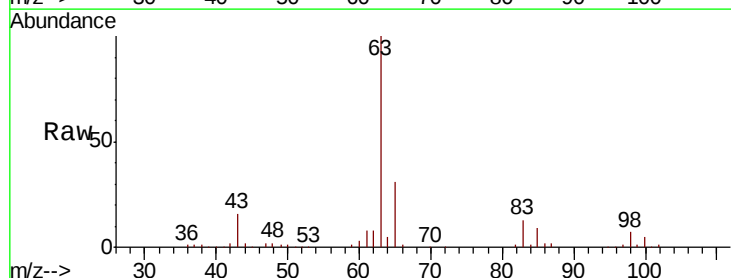
Tgt Ion: 63 Resp: 661678

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

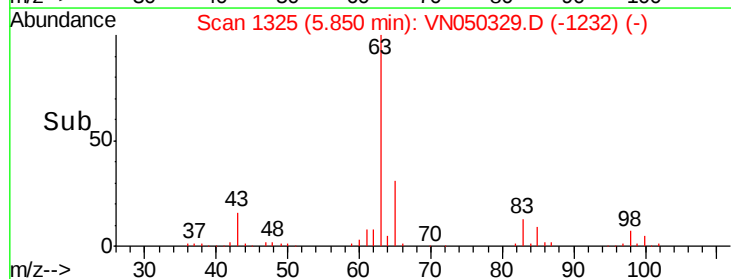
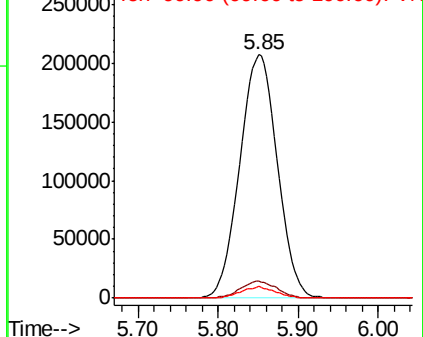
100 4.7 2.1 6.3

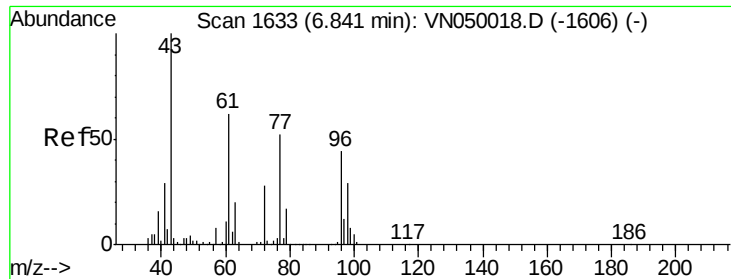


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





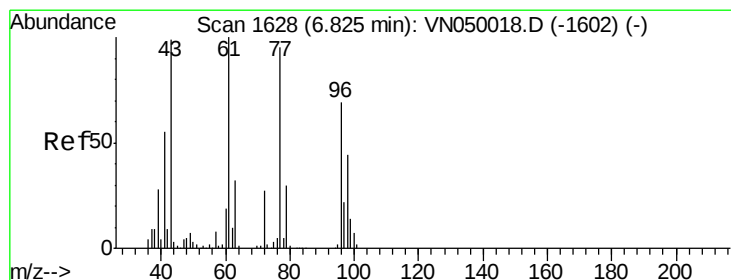
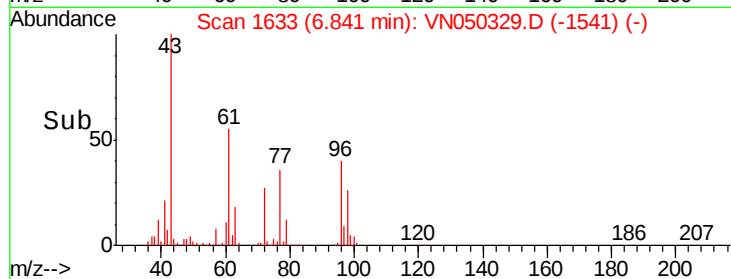
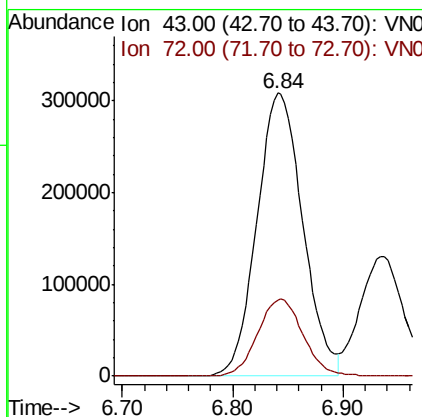
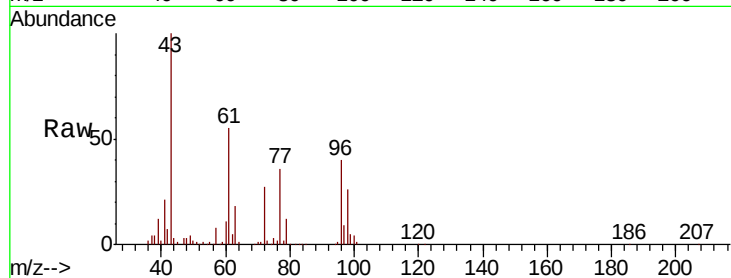
#25
2-Butanone
Concen: 276.98 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	886110
Ion Ratio	100	Lower	Upper
72	26.9	21.5	32.3

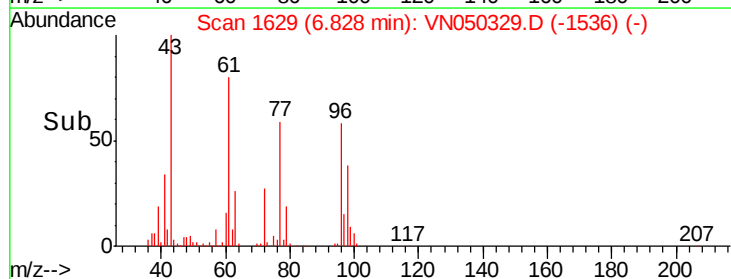
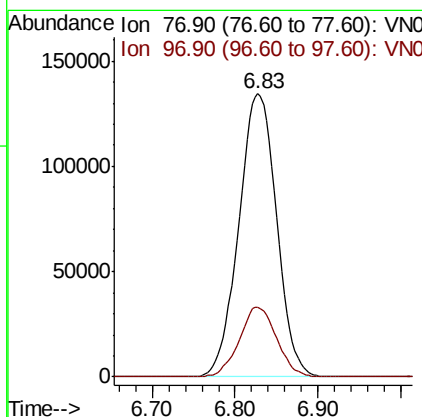
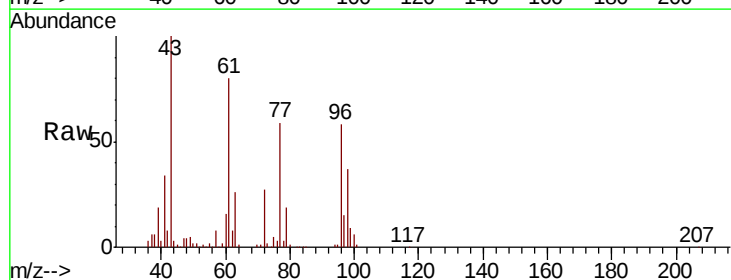
Manual Integrations
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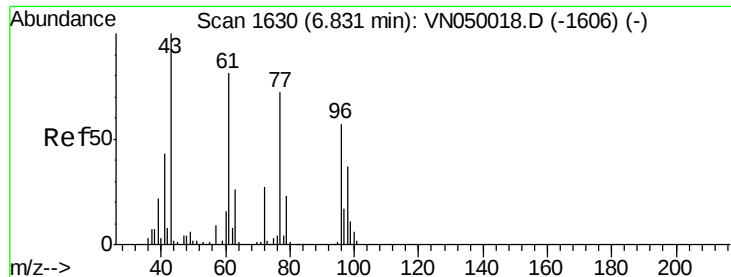
MMDadoda
8/6/2018 11:37:15 AM



#26
2,2-Dichloropropane
Concen: 40.22 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Tgt Ion	77	Resp	426169
Ion Ratio	100	Lower	Upper
97	24.4	11.8	35.3





#27

cis-1,2-Dichloroethene

Concen: 49.62 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Instrument :

MSVOA_N

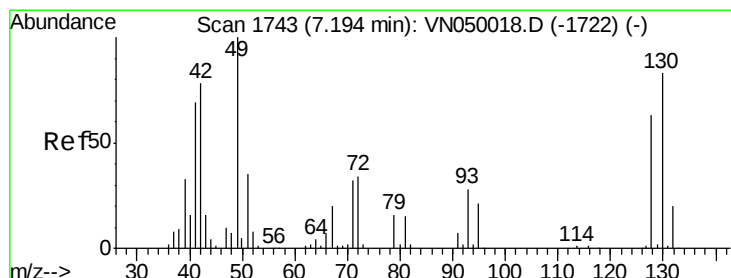
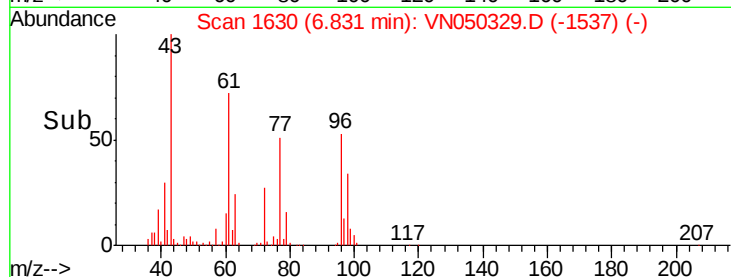
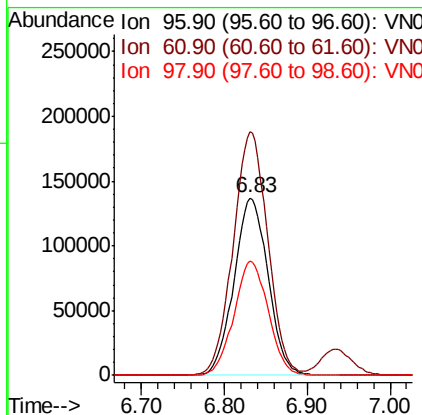
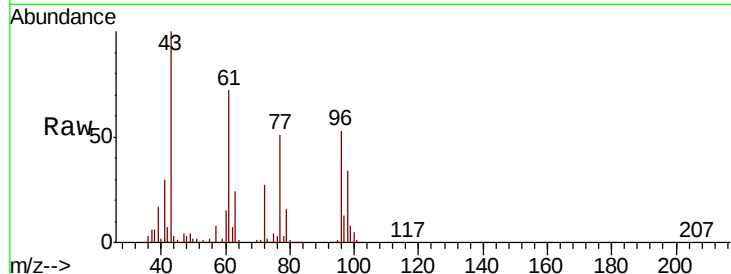
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	392129
Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	285.0
98	64.7	0.0	129.2

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#28

Bromochloromethane

Concen: 49.27 ug/l

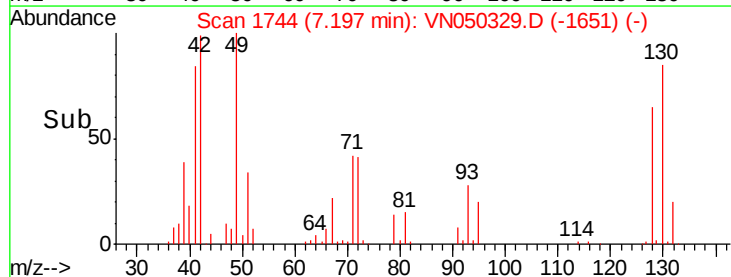
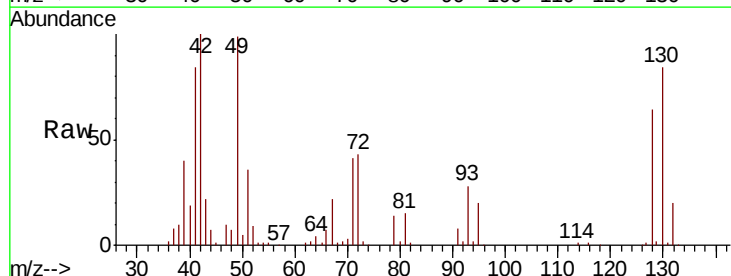
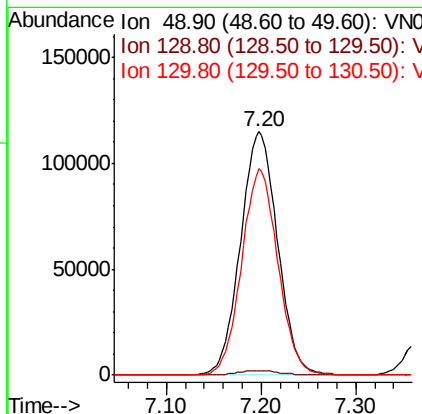
RT: 7.20 min Scan# 1744

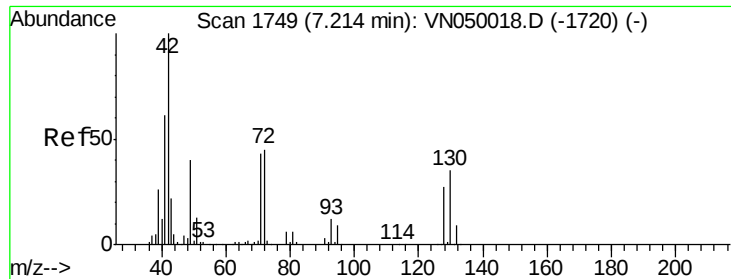
Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Tgt Ion:	49	Resp:	313054
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	82.8	66.3	99.5





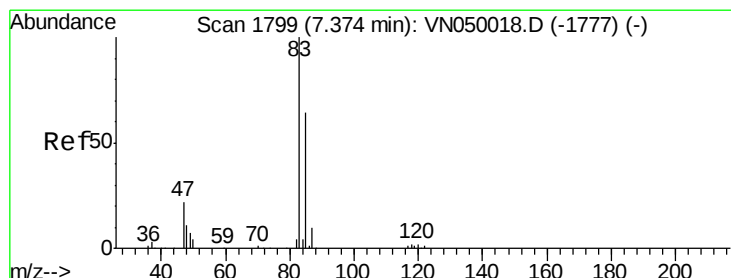
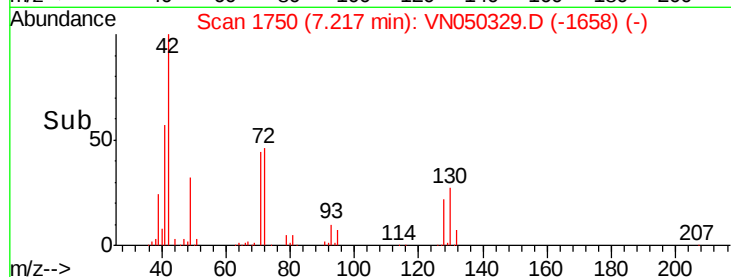
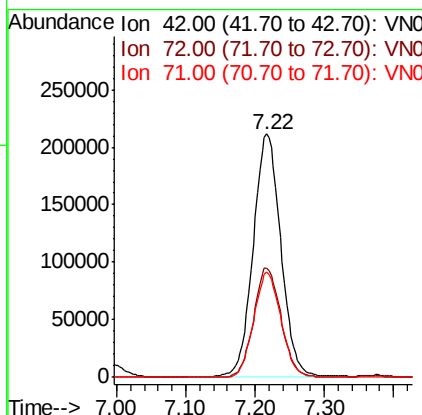
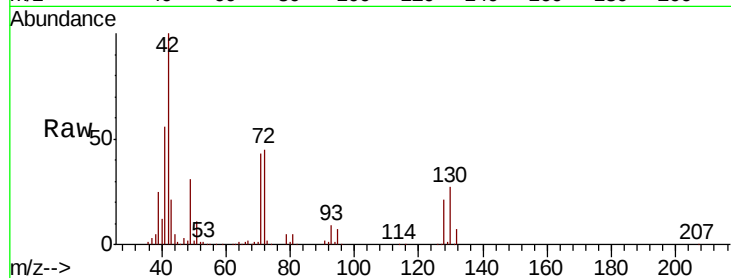
#29
Tetrahydrofuran
Concen: 283.00 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.9	53.9
71	42.6	33.7	50.5

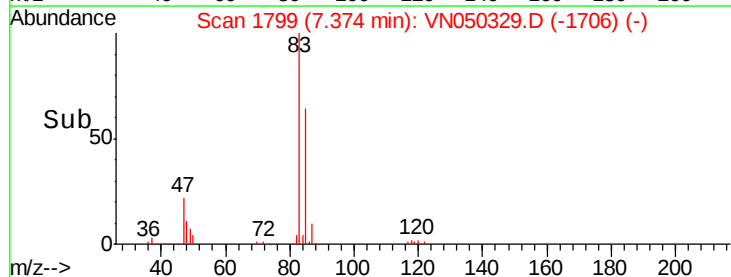
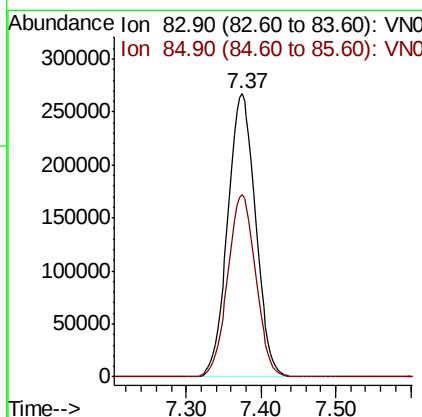
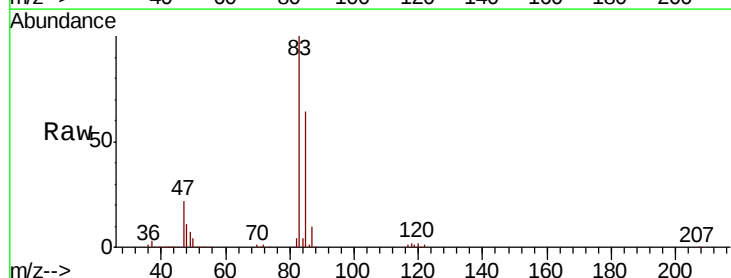
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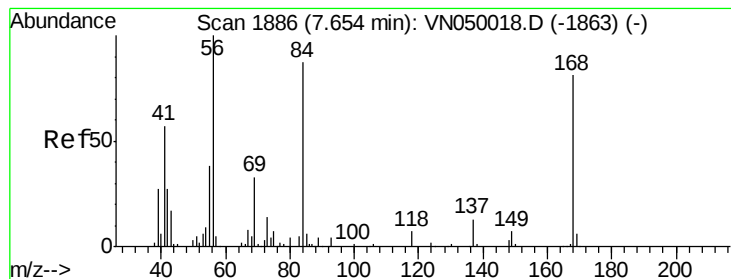
MMDadoda
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#30
Chloroform
Concen: 48.61 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.5	78.7





#31

Cyclohexane

Concen: 44.96 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Instrument :

MSVOA_N

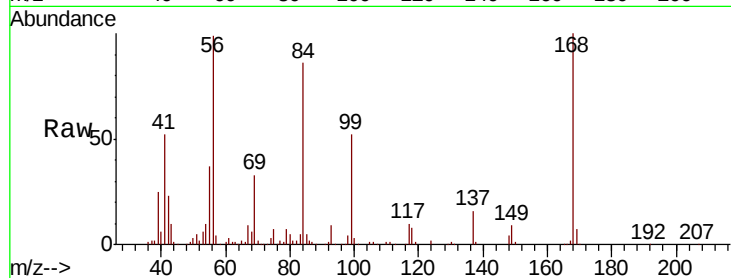
ClientSampled :

VSTDCCC050

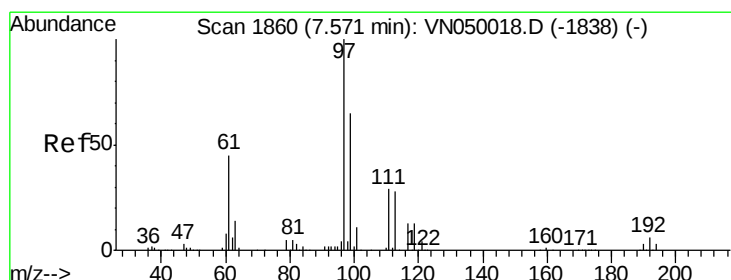
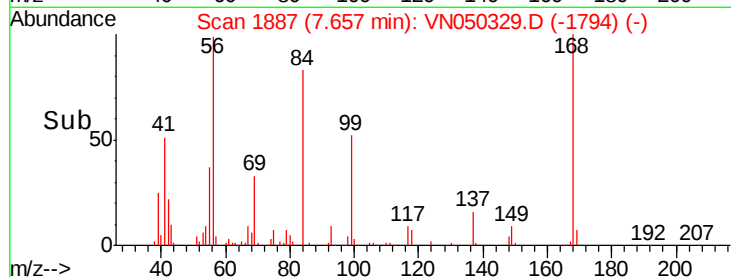
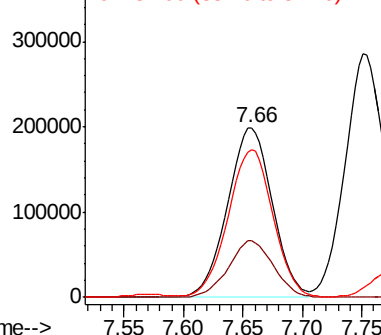
Tot Ion:	56	Resp:	519505
Ion Ratio	Lower	Upper	
56	100		
69	33.3	26.2	39.4
84	86.0	67.4	101.0

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Abundance Ion 56.00 (55.70 to 56.70): VN050329.D (-1794) (-)



#32

1,1,1-Trichloroethane

Concen: 47.63 ug/l

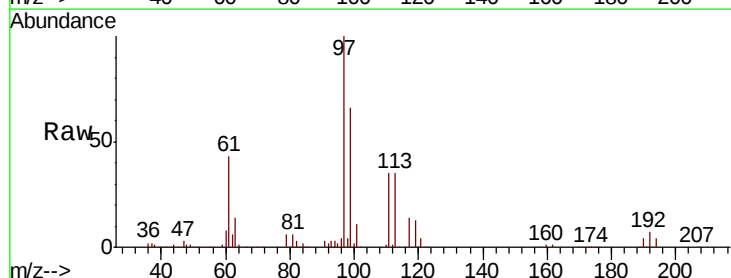
RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

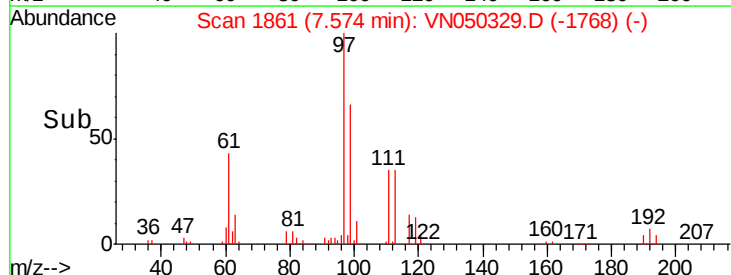
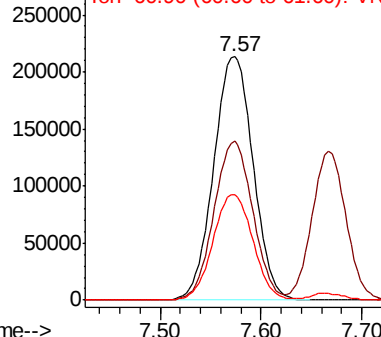
Lab File: VN050329.D

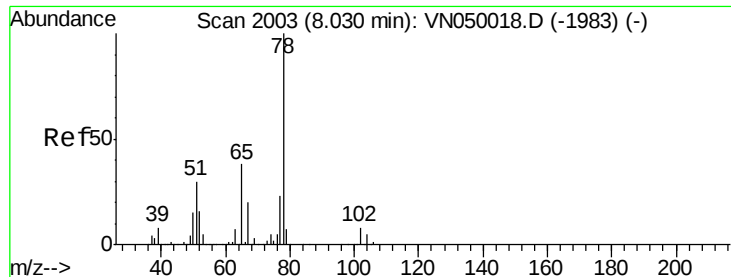
Acq: 3 Aug 2018 22:26

Tgt Ion:	97	Resp:	579202
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.4	77.0
61	43.9	35.4	53.0



Abundance Ion 96.90 (96.60 to 97.60): VN050329.D (-1768) (-)





#33

1,2-Dichloroethane-d4

Concen: 50.00 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 419388

Ion Ratio Lower Upper

65 100

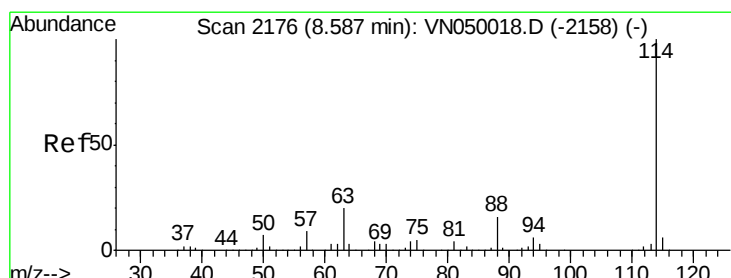
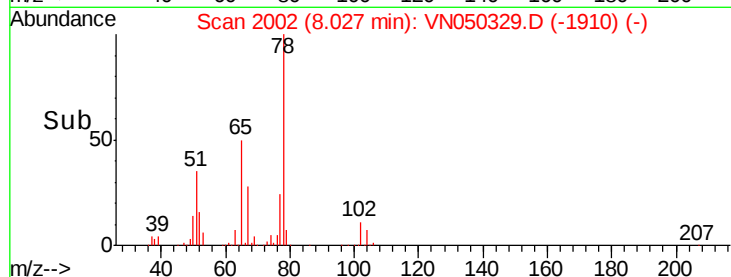
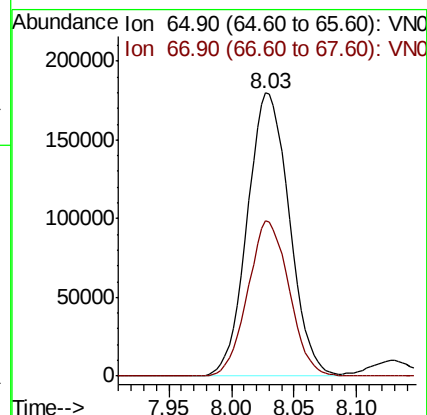
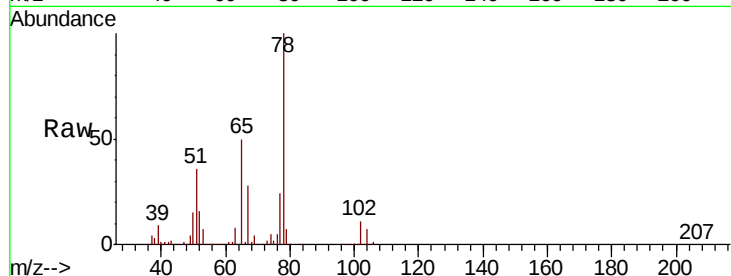
67 53.9 0.0 108.4

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

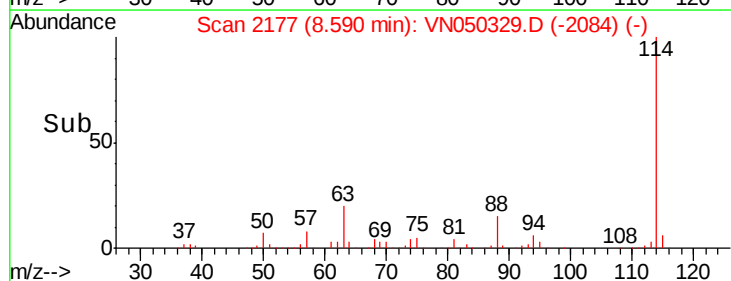
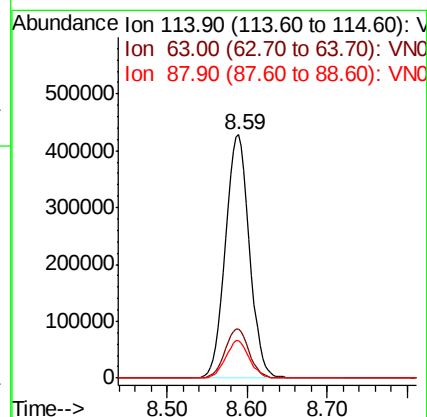
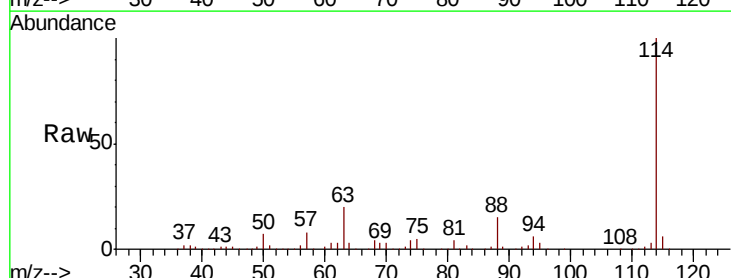
Tgt Ion: 114 Resp: 885206

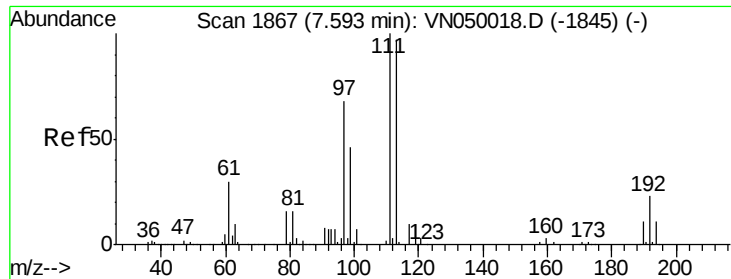
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

88 15.4 0.0 31.2





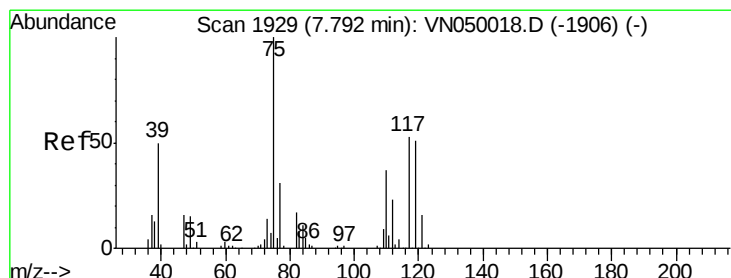
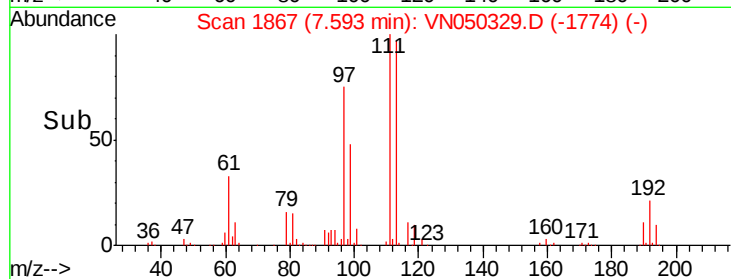
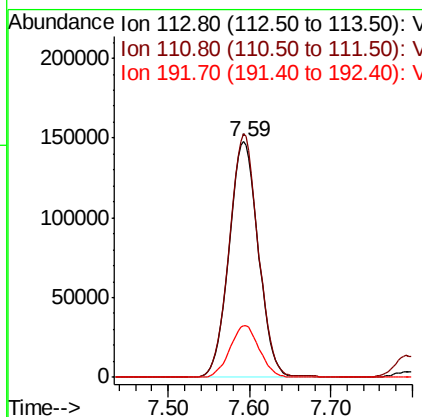
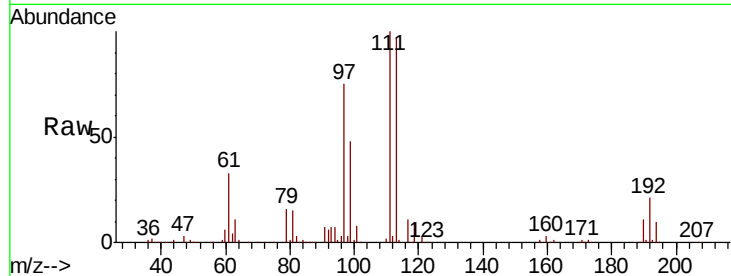
#35
 Dibromofluoromethane
 Concen: 51.39 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050329.D
 Acq: 3 Aug 2018 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	371424		
111	101.5	80.7	121.1	
192	22.0	17.8	26.6	

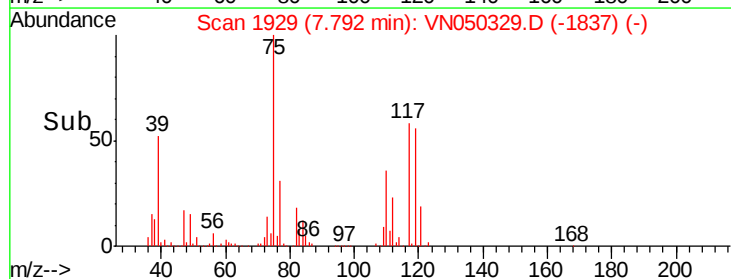
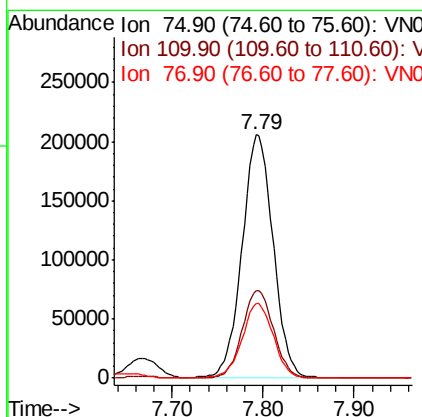
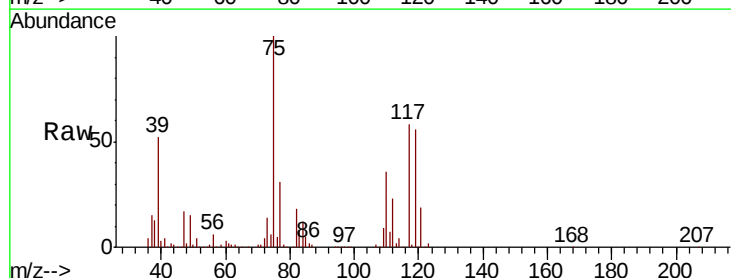
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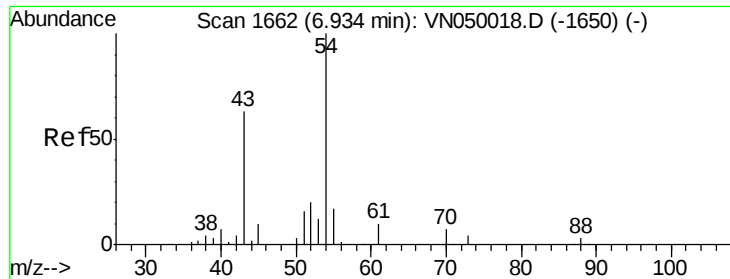
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 48.96 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050329.D
 Acq: 3 Aug 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	488229		
110	36.2	18.4	55.2	
77	31.1	25.3	37.9	





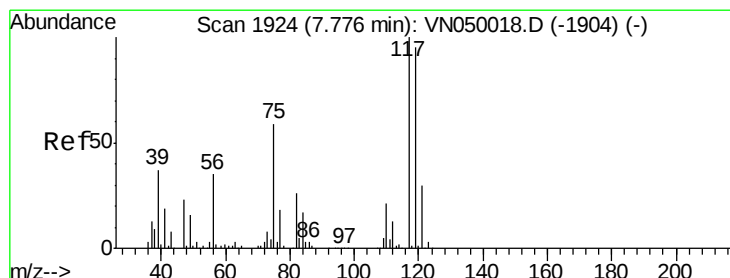
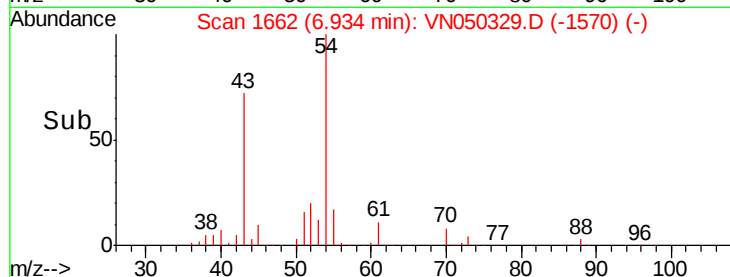
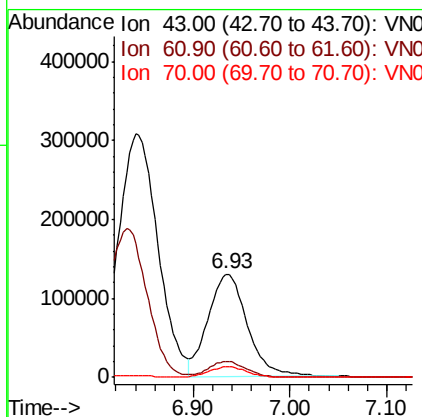
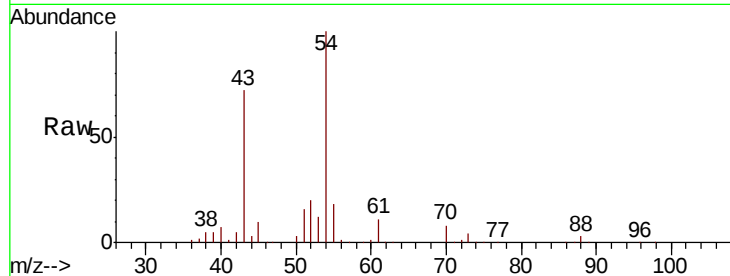
#37
Ethyl Acetate
Concen: 52.92 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.8
70	9.9	8.4	12.6

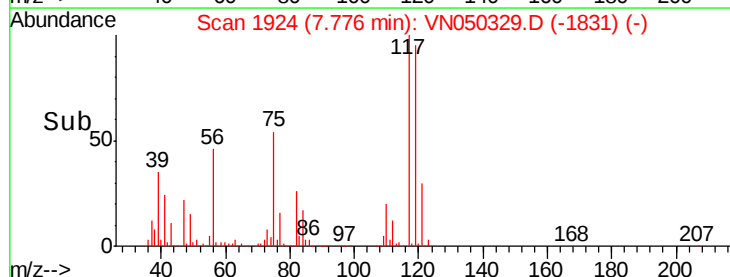
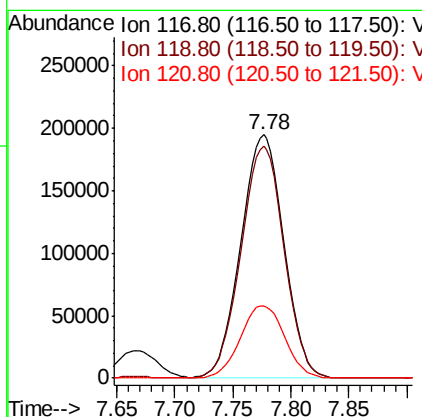
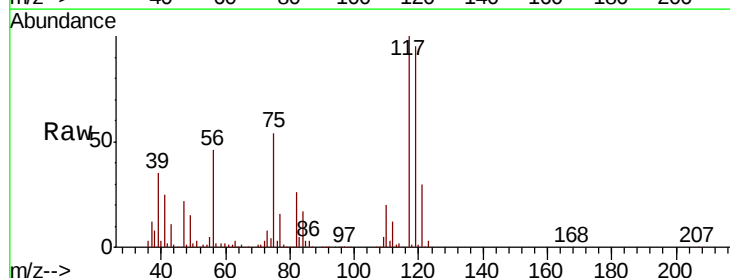
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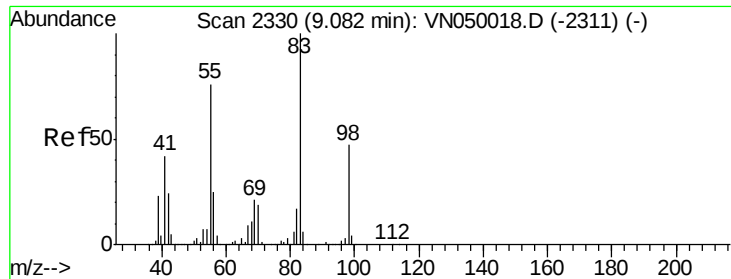
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.33 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.4	116.0
121	29.9	23.9	35.9





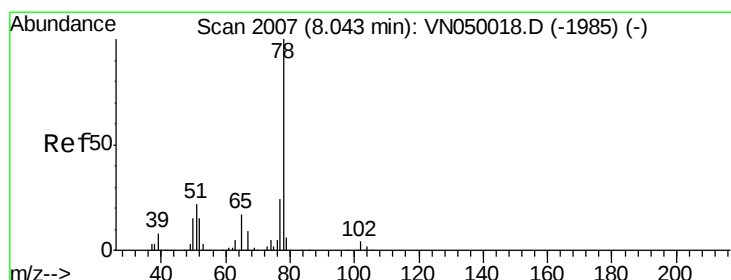
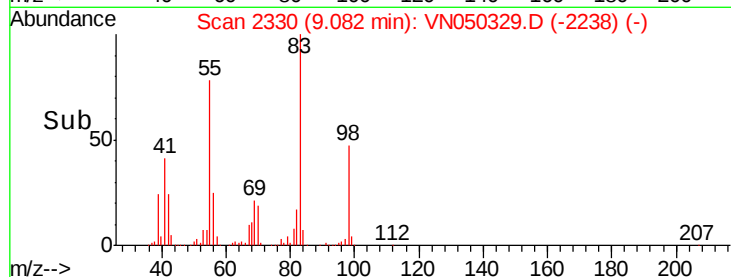
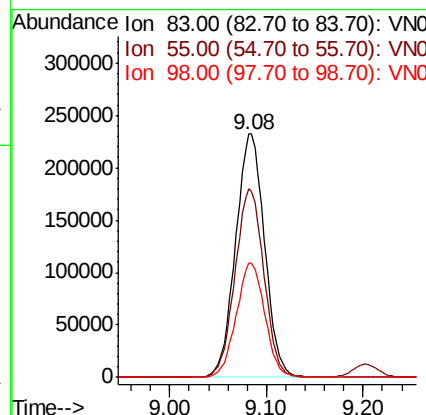
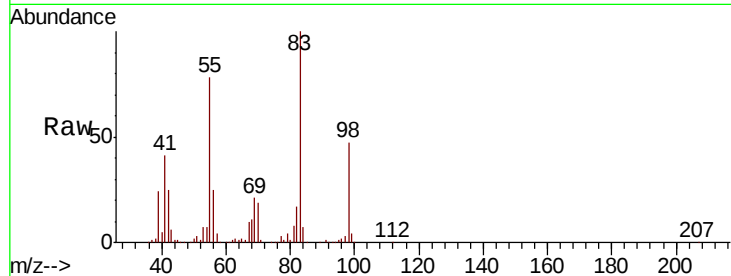
#39
Methvlcvclohexane
Concen: 47.10 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	61.8	92.8
98	47.0	36.5	54.7

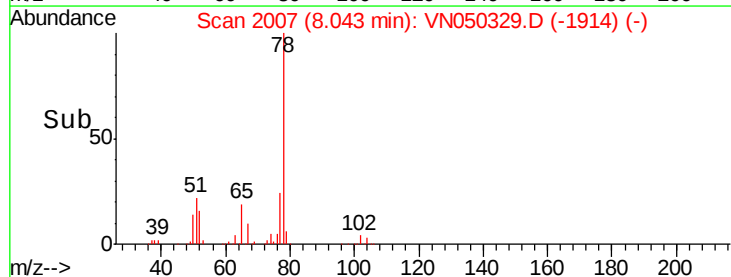
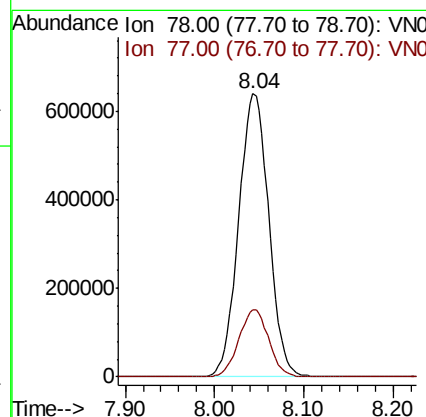
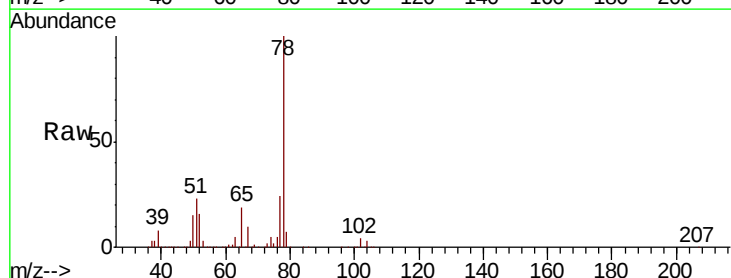
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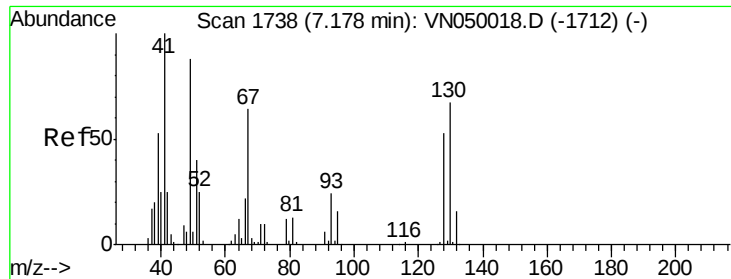
MMDadoda
8/6/2018 11:37:15 AM



#40
Benzene
Concen: 49.41 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.7	28.1





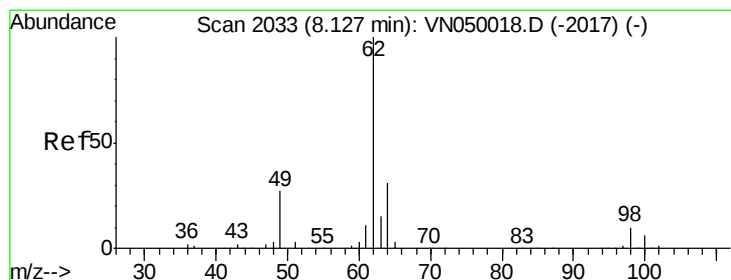
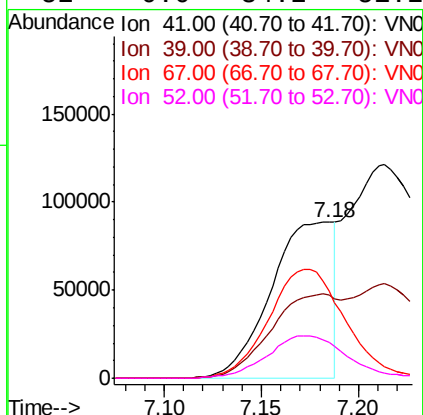
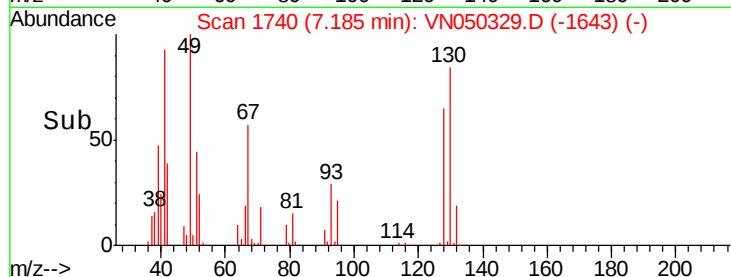
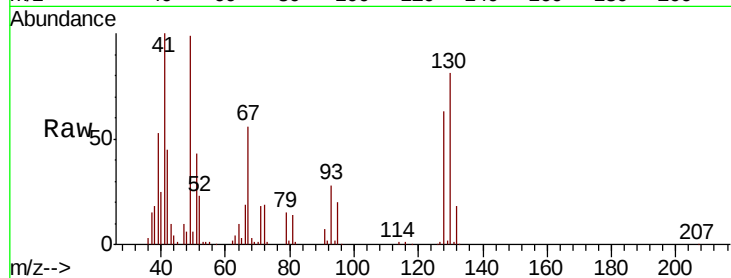
#41
Methacrylonitrile
Concen: 55.39 ug/l m
RT: 7.18 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.8	83.6#
67	0.0	84.3	126.5#
52	0.0	34.2	51.2#

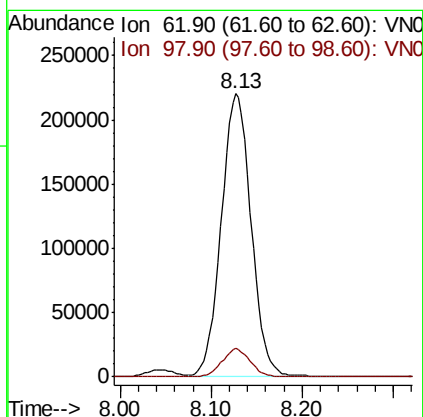
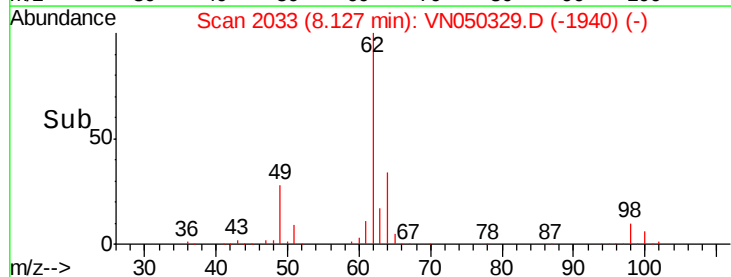
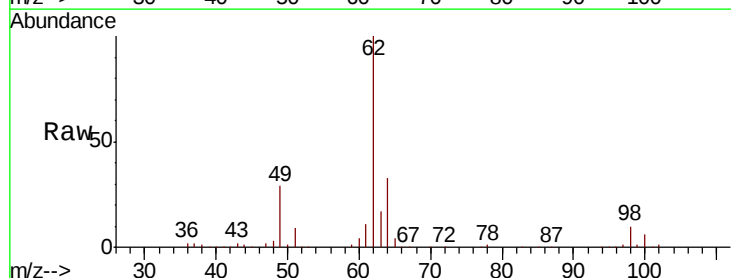
Manual Integrations
APPROVED

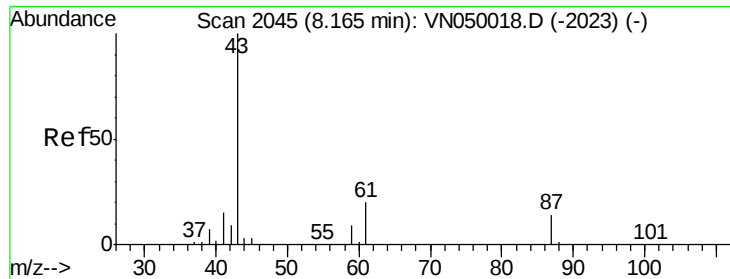
MMDadoda
8/6/2018 11:37:15 AM



#42
1,2-Dichloroethane
Concen: 49.48 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.8





#43

Isopropyl Acetate

Concen: 54.01 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Instrument :

MSVOA_N

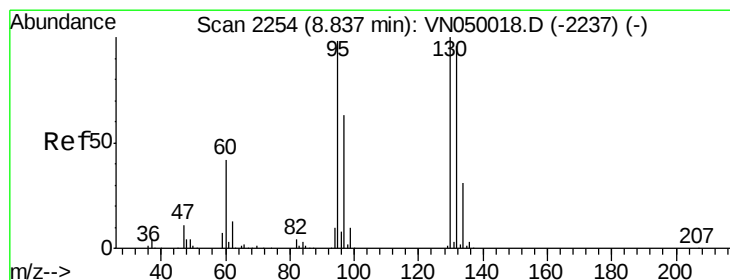
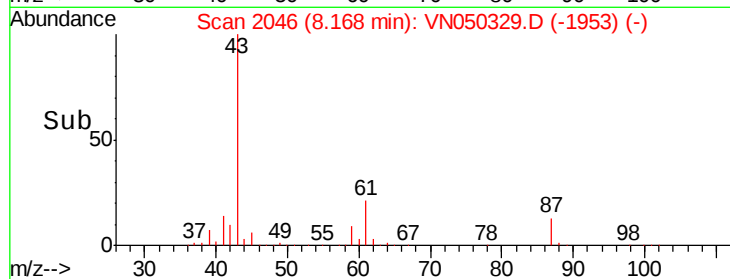
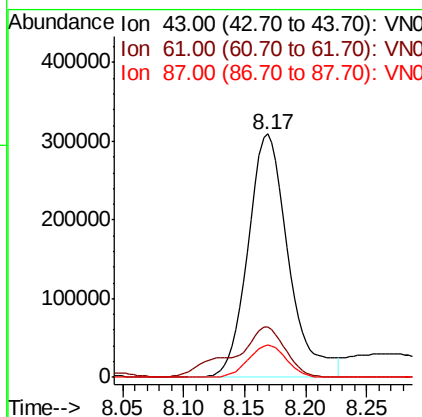
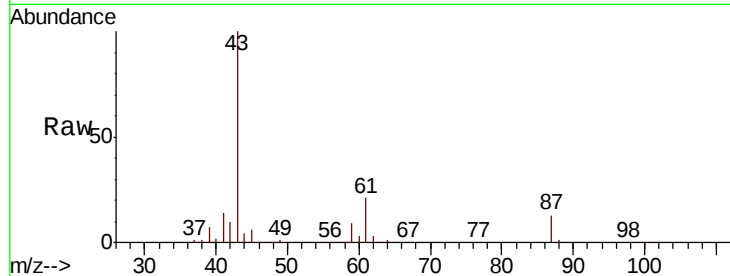
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	706559
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.8	23.6
87	12.5	10.3	15.5

Manual Integrations
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MMDadoda
8/6/2018 11:37:15 AM



#44

Trichloroethene

Concen: 47.46 ug/l

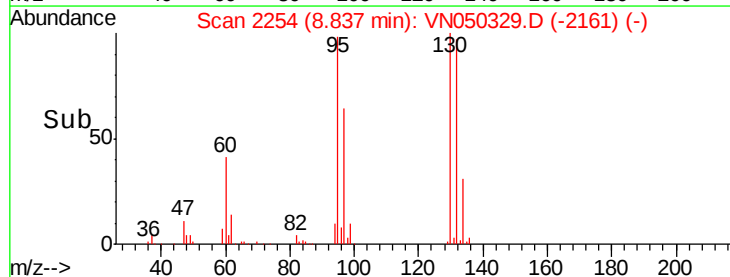
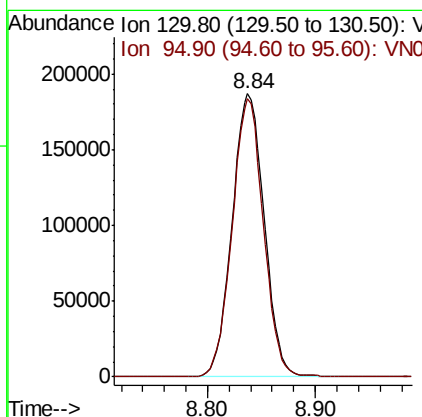
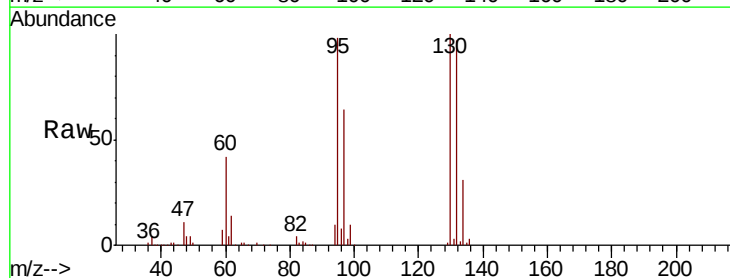
RT: 8.84 min Scan# 2254

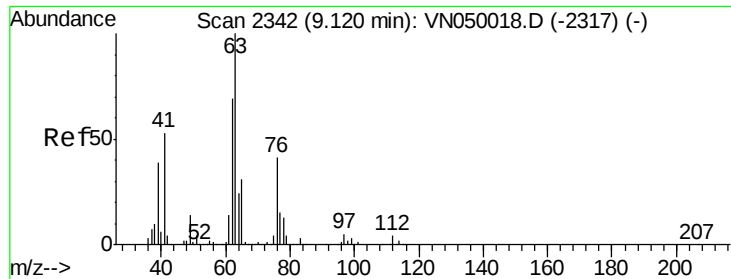
Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Tgt Ion:	130	Resp:	387048
Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	194.6





#45

1,2-Dichloropropane

Concen: 50.86 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 408783

Ion Ratio Lower Upper

63 100

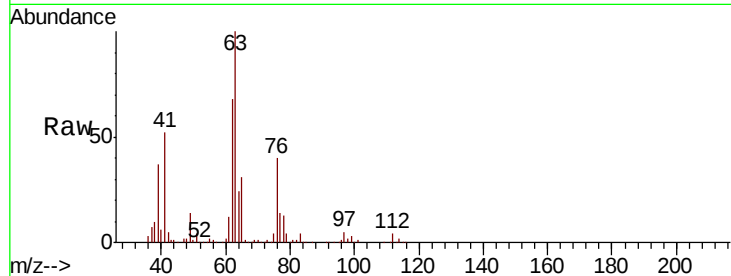
65 30.6 25.5 38.3

Manual Integrations

APPROVED

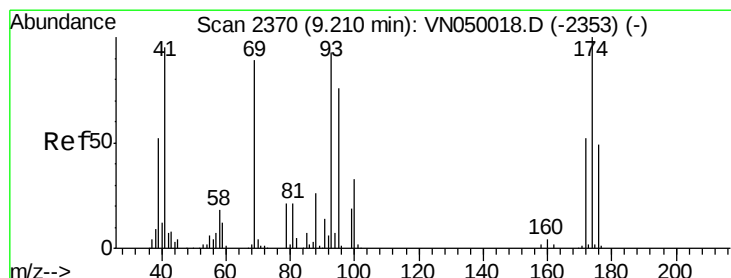
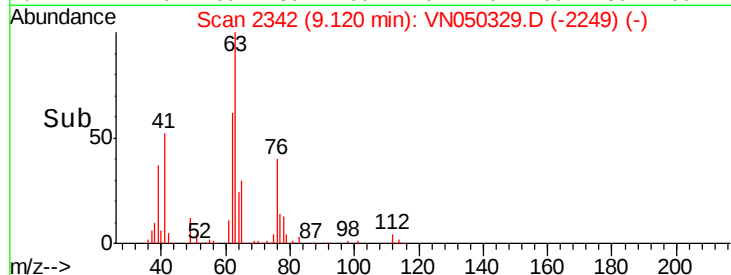
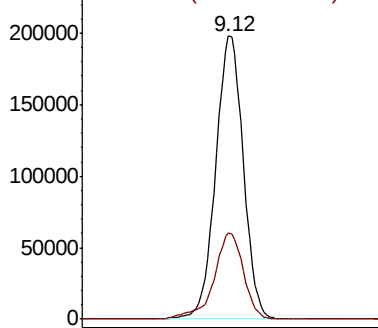
MMDadoda

8/6/2018 11:37:15 AM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 50.18 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

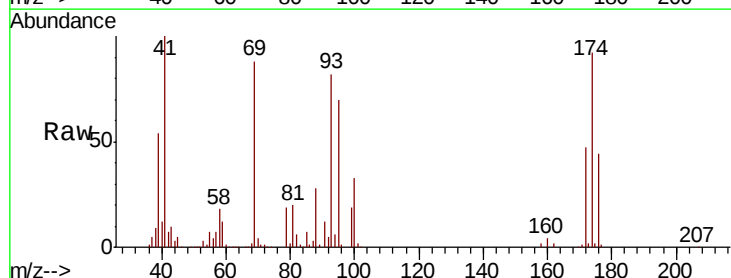
Tgt Ion: 93 Resp: 250447

Ion Ratio Lower Upper

93 100

95 85.1 66.6 100.0

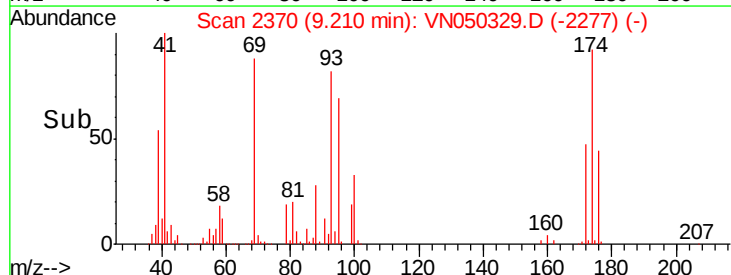
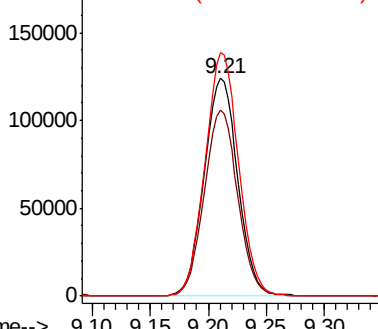
174 111.7 87.1 130.7

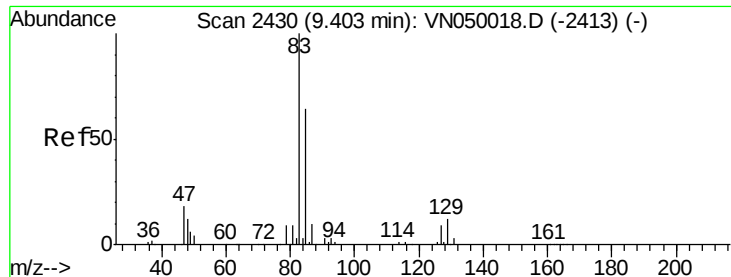


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





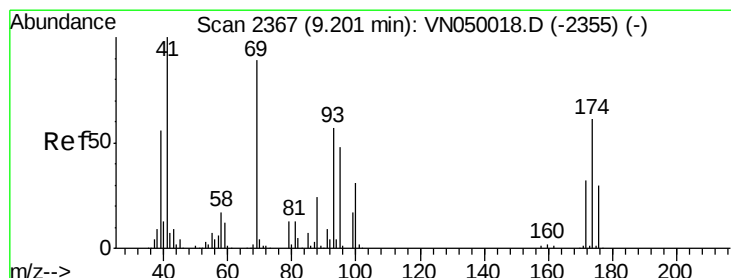
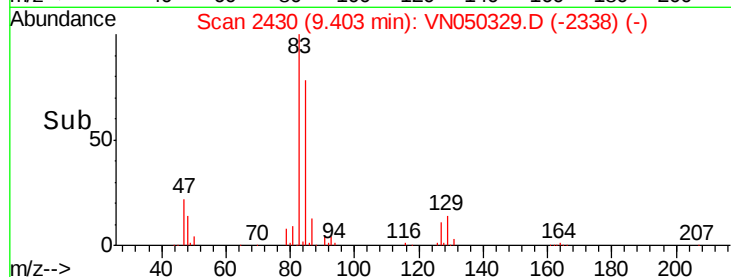
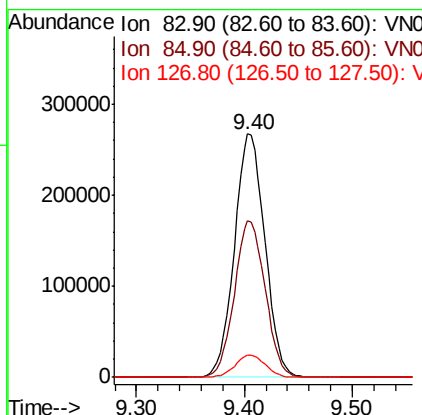
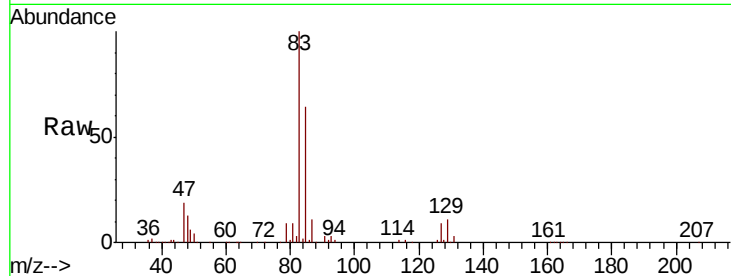
#47
Bromodichloromethane
Concen: 49.98 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.4	51.1	76.7	
127	9.1	7.0	10.4	

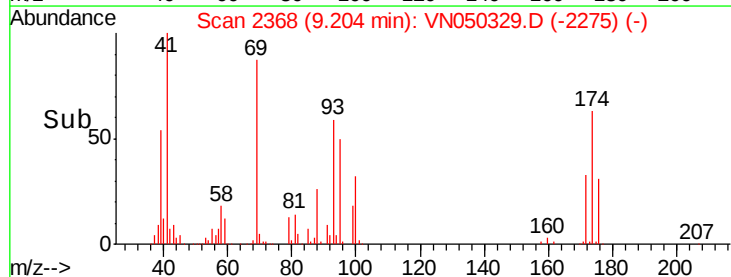
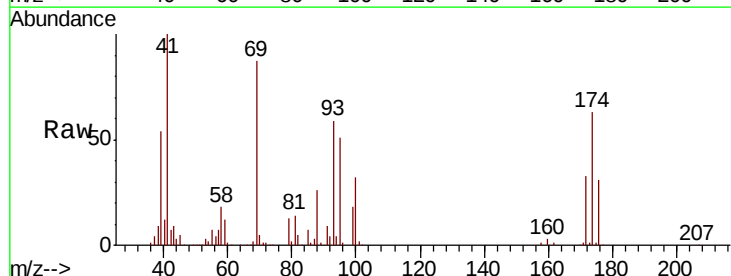
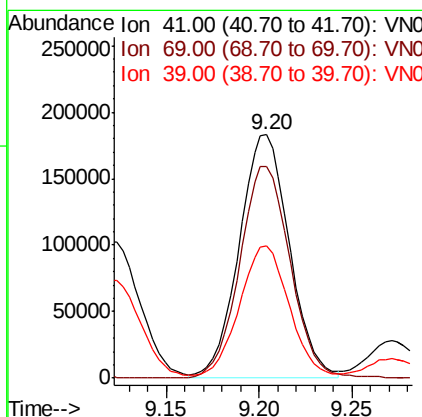
Manual Integrations
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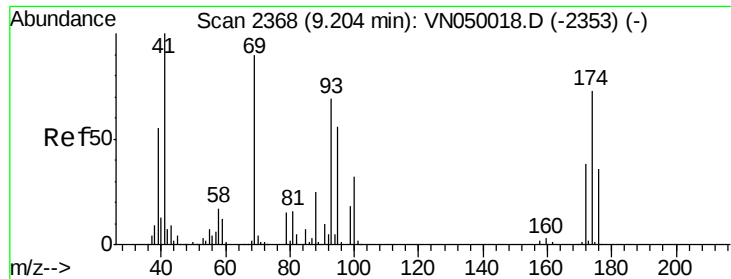
MMDadoda
8/6/2018 11:37:15 AM



#48
Methyl methacrylate
Concen: 57.15 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	88.2	70.6	105.8	
39	54.1	43.9	65.9	





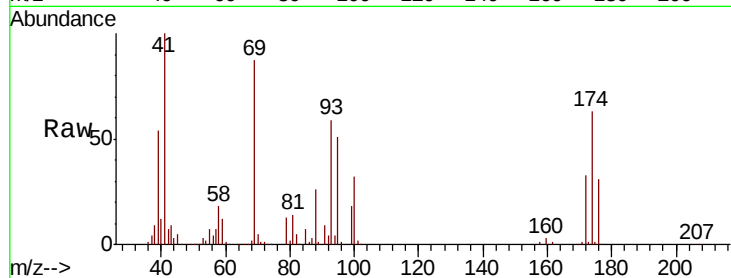
#49
1,4-Dioxane
Concen: 1222.80 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.9	40.3
58	68.4	57.3	85.9

Manual Integrations
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MMDadoda
8/6/2018 11:37:15 AM

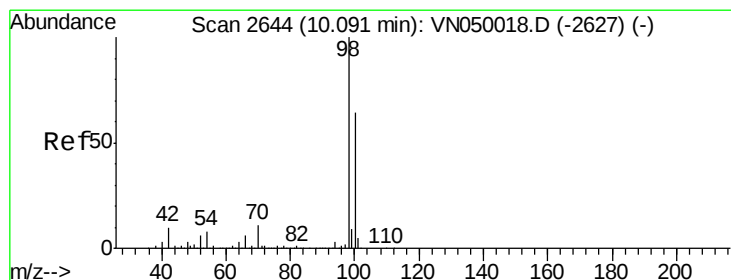
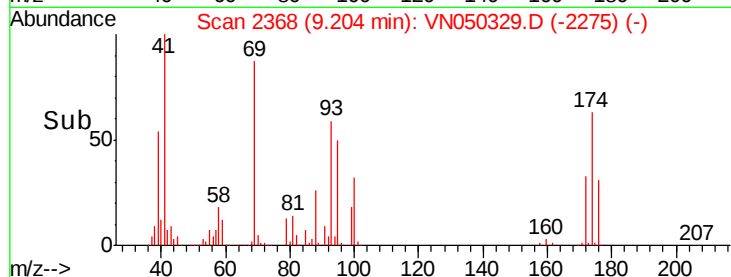
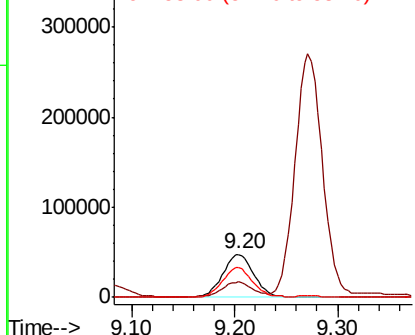


Abundance

Ion 88.00 (87.70 to 88.70): VN0

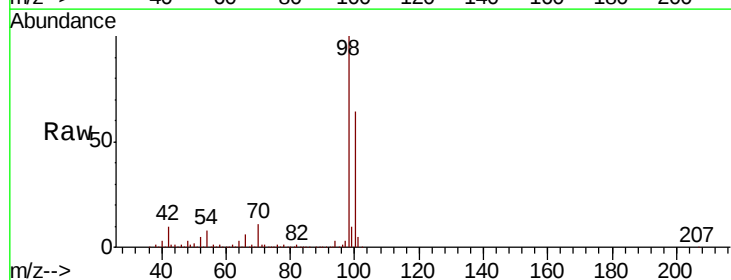
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 51.23 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

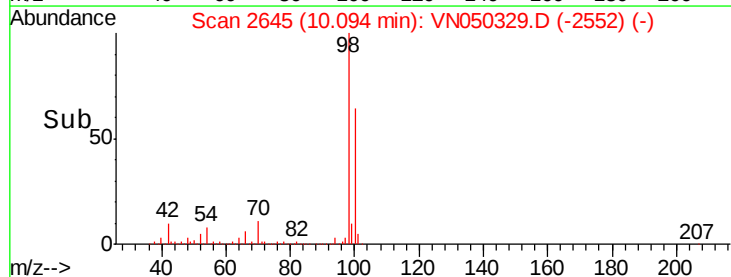
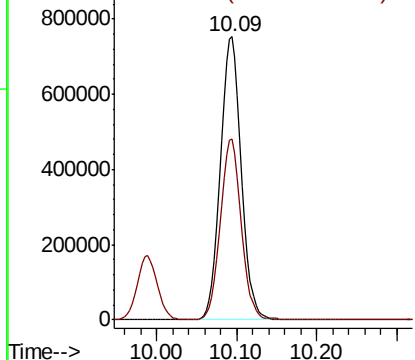
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.7	76.1

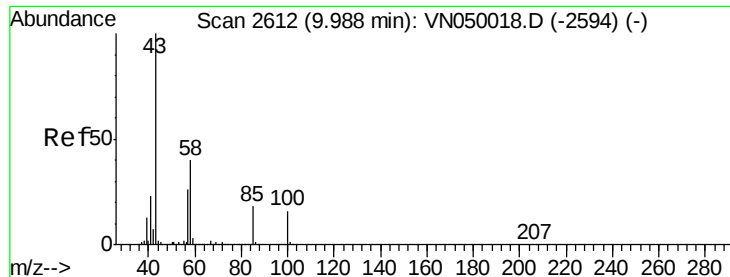


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





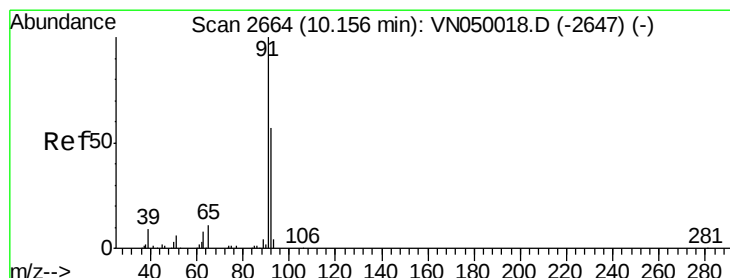
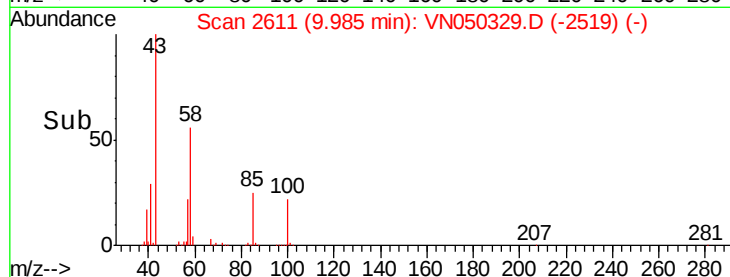
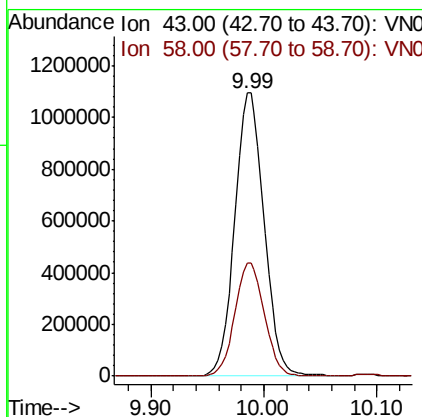
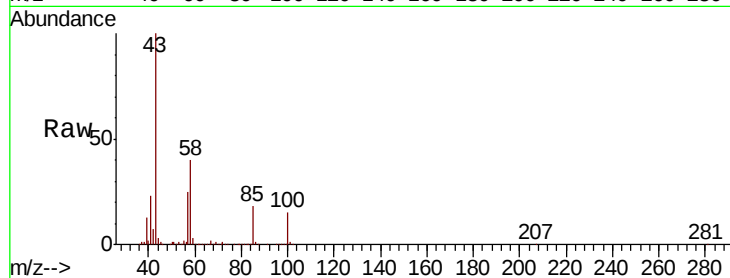
#51
4-Methyl-2-Pentanone
Concen: 288.93 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1974930
Ion Ratio Lower Upper
43 100
58 40.3 31.9 47.9

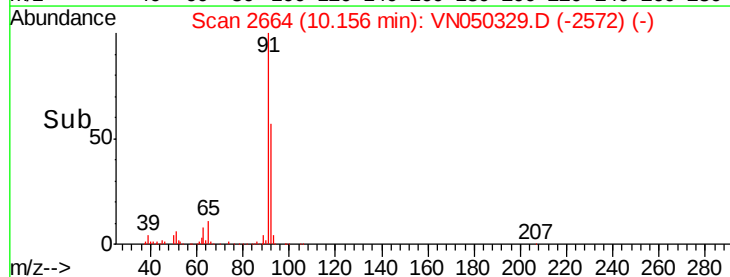
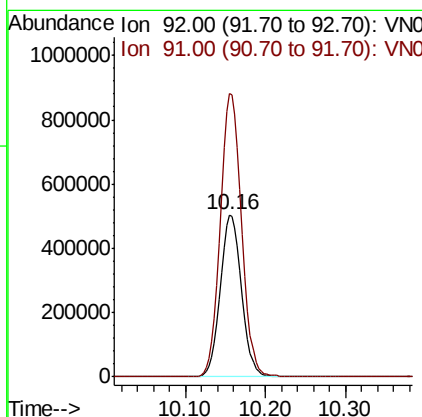
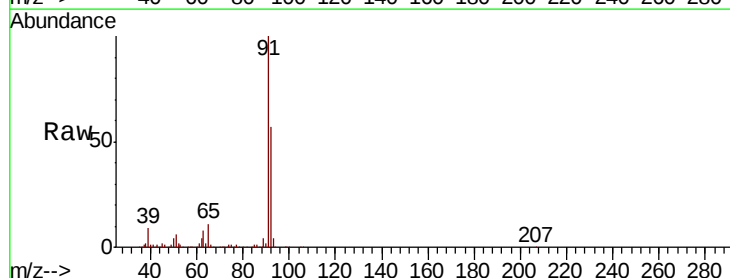
Manual Integrations
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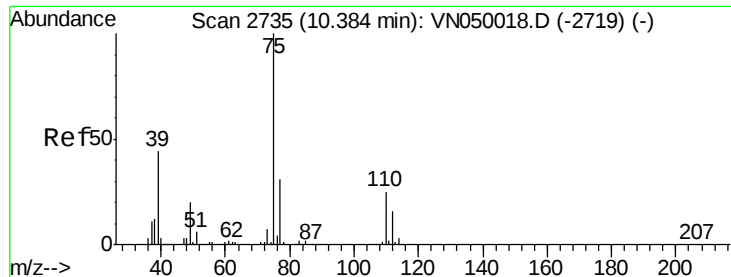
MMDadoda
8/6/2018 11:37:15 AM



#52
Toluene
Concen: 51.68 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Tgt Ion: 92 Resp: 925807
Ion Ratio Lower Upper
92 100
91 175.3 140.3 210.5





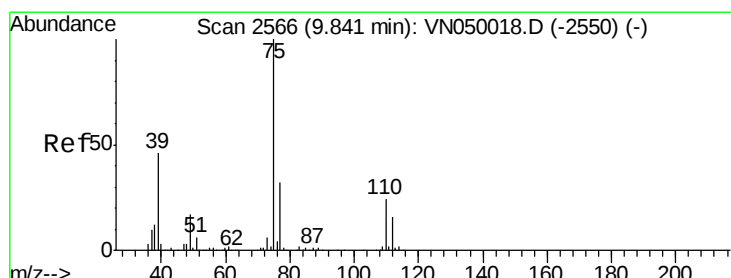
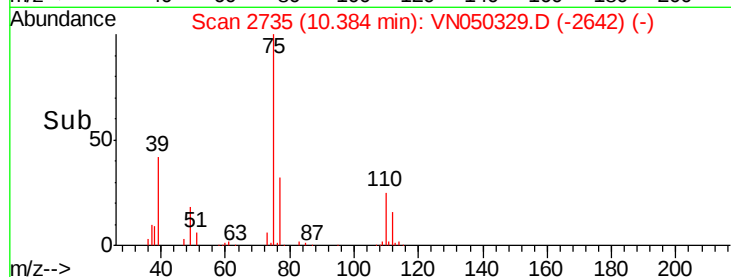
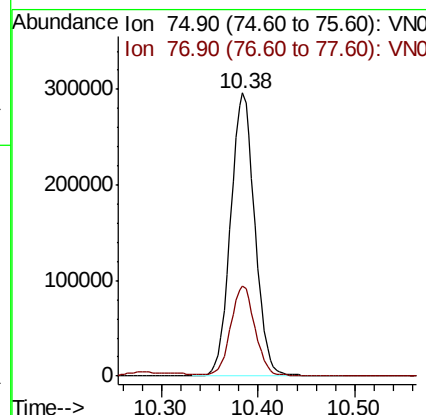
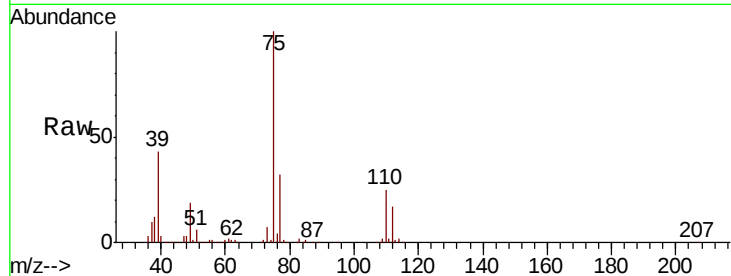
#53
t-1,3-Dichloropropene
Concen: 51.79 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.9	37.3

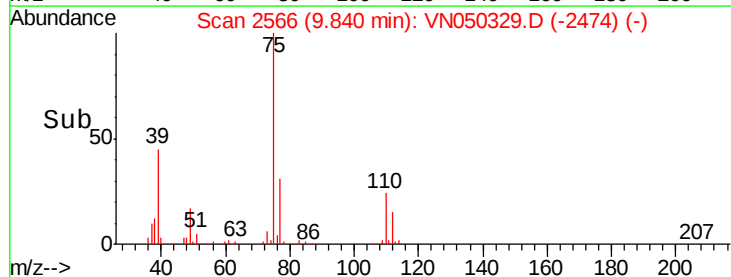
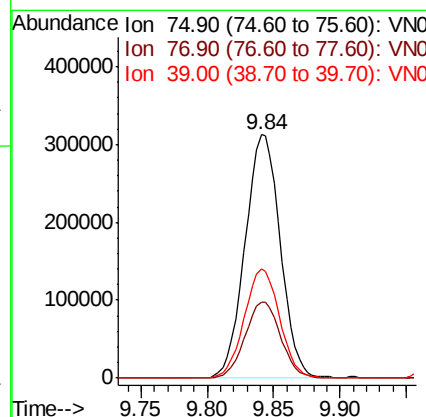
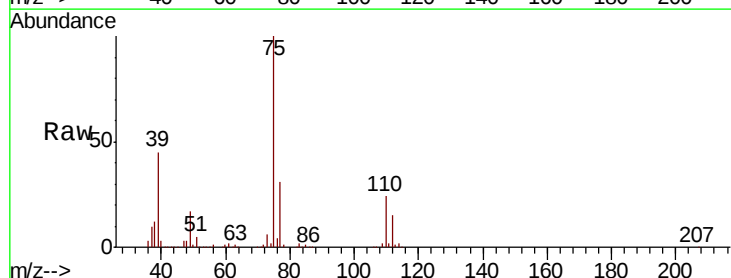
Manual Integrations
APPROVED

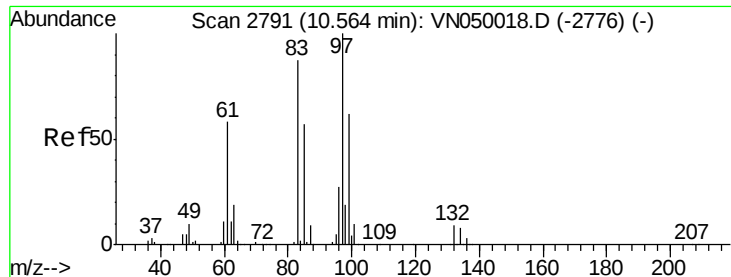
MMDadoda
8/6/2018 11:37:15 AM



#54
cis-1,3-Dichloropropene
Concen: 50.84 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.5	38.3
39	44.7	36.6	55.0





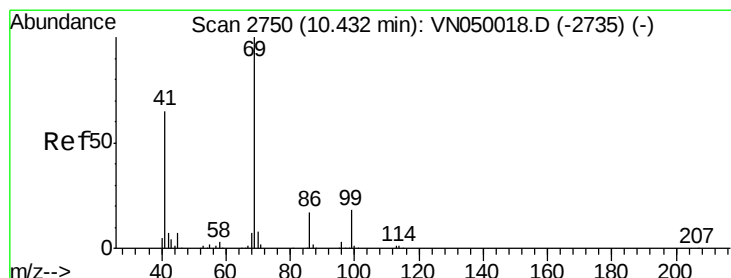
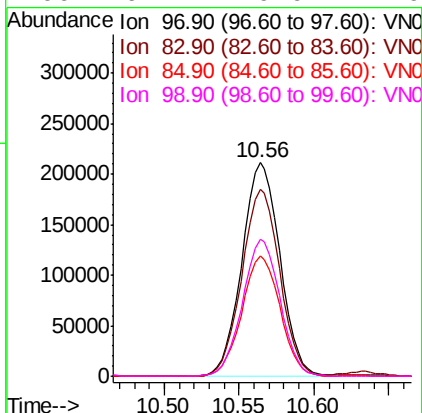
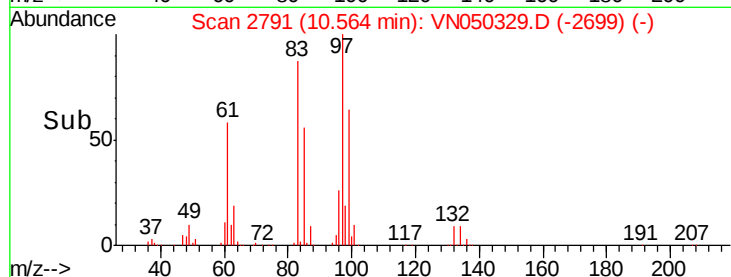
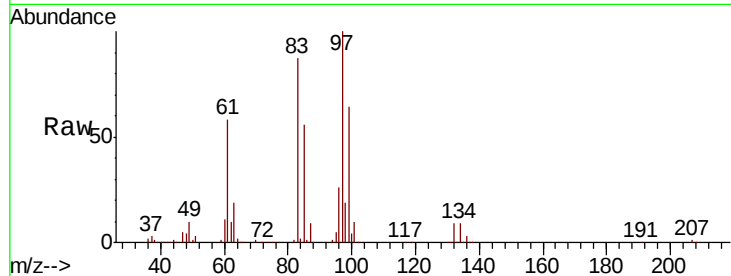
#55
 1,1,2-Trichloroethane
 Concen: 52.69 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050329.D
 Acq: 3 Aug 2018 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	374379
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.2	103.8
85	56.4	44.0	66.0
99	64.2	49.9	74.9

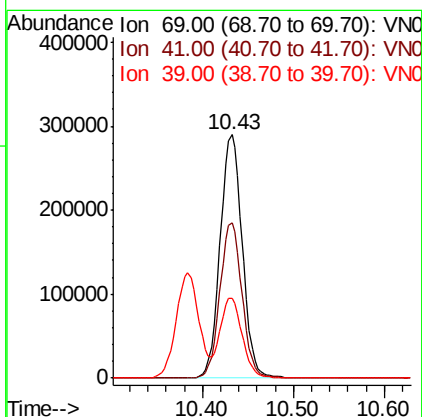
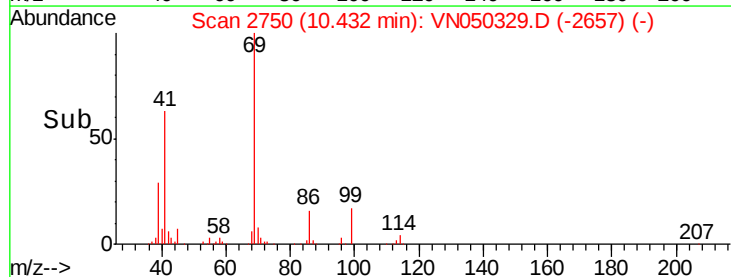
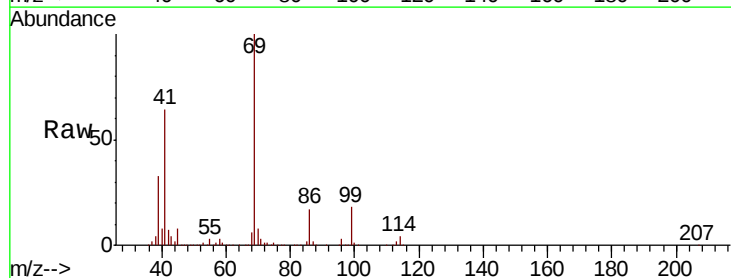
Manual Integrations
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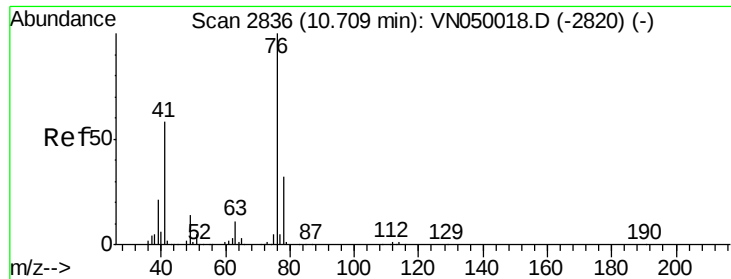
MMDadoda
 8/6/2018 11:37:15 AM



#56
 Ethyl methacrylate
 Concen: 50.88 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050329.D
 Acq: 3 Aug 2018 22:26

Tgt Ion:	69	Resp:	490087
Ion	Ratio	Lower	Upper
69	100		
41	63.1	51.0	76.4
39	32.5	26.6	40.0





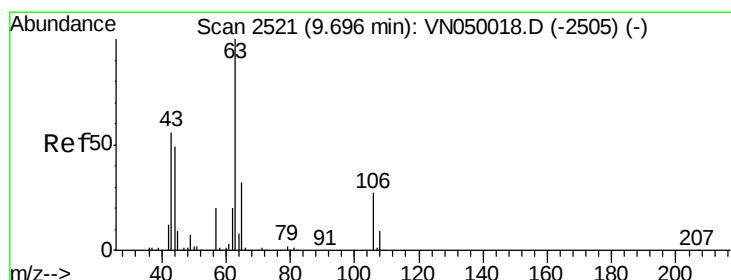
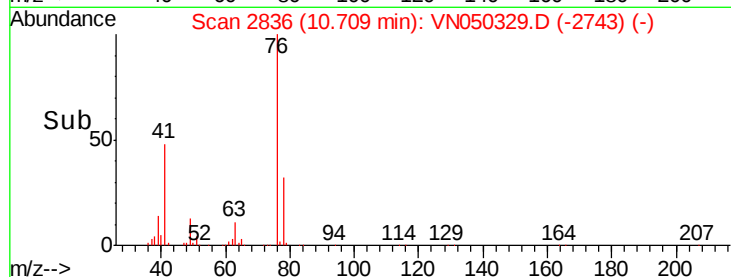
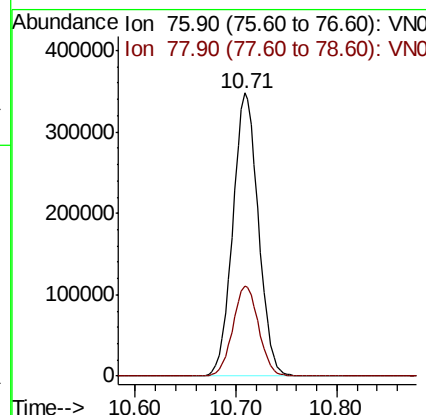
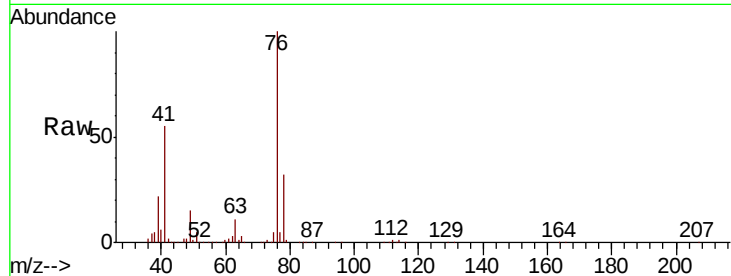
#57
 1,3-Dichloropropane
 Concen: 53.08 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050329.D
 Acq: 3 Aug 2018 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 614185
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5

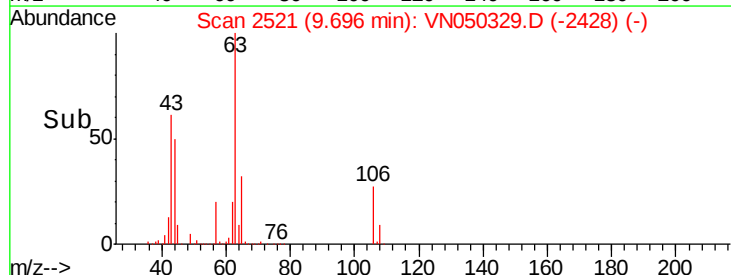
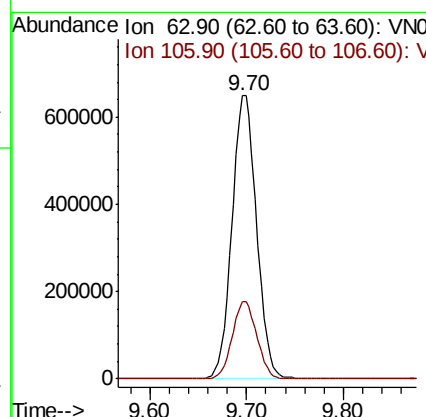
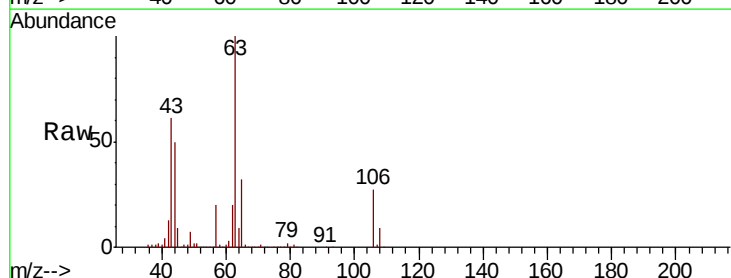
Manual Integrations
 APPROVED

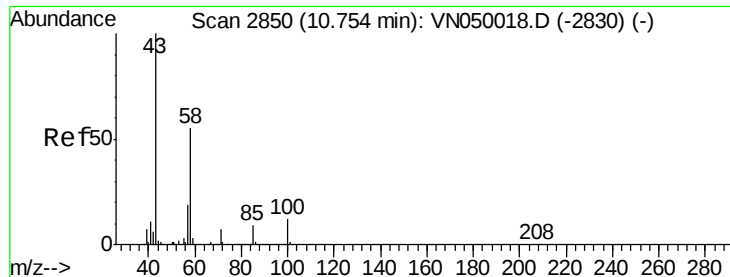
MMDadoda
 8/6/2018 11:37:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.63 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050329.D
 Acq: 3 Aug 2018 22:26

Tgt Ion: 63 Resp: 1145790
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.7 32.5





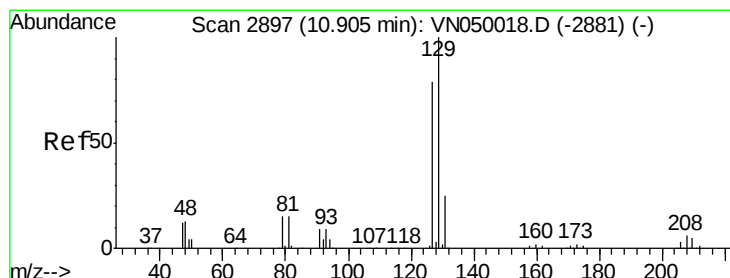
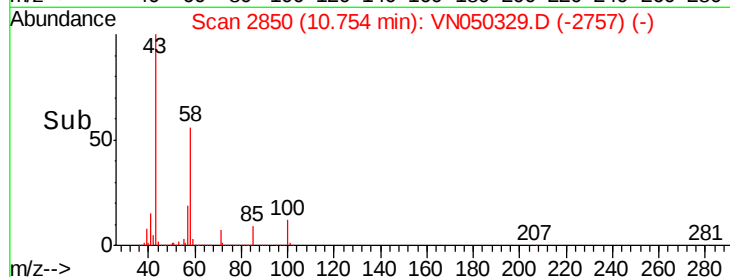
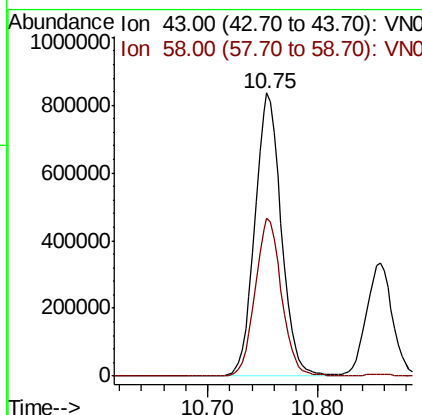
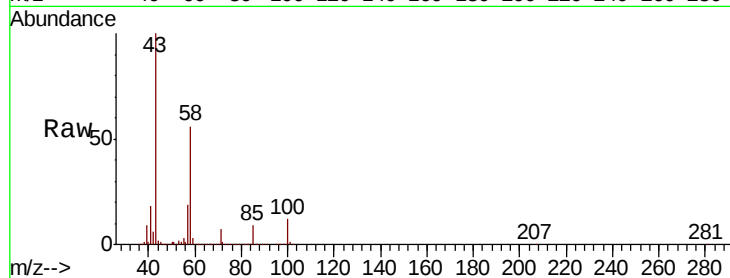
#59
2-Hexanone
Concen: 274.96 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1383706
Ion Ratio Lower Upper
43 100
58 55.7 27.6 82.7

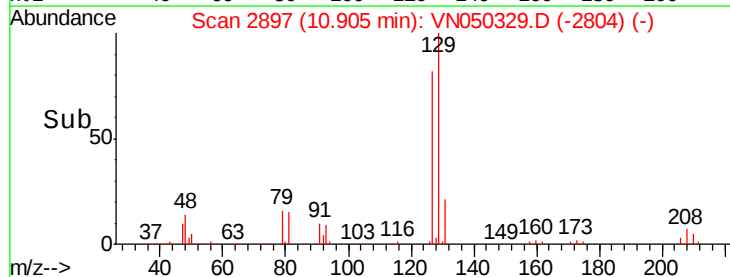
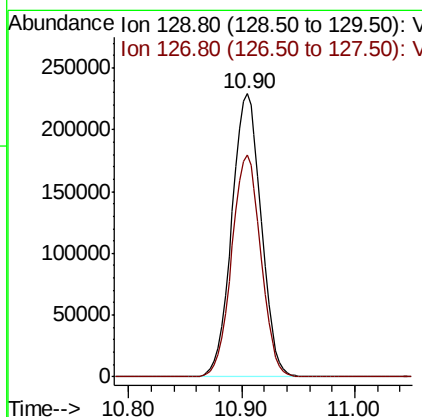
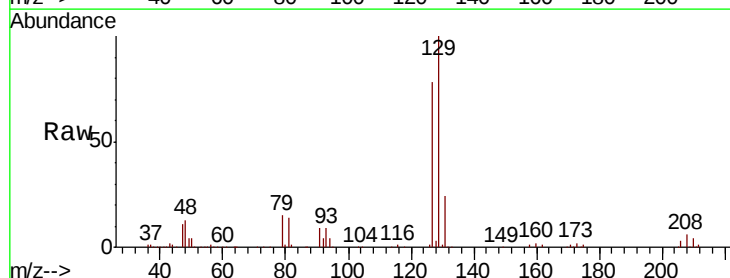
Manual Integrations
APPROVED

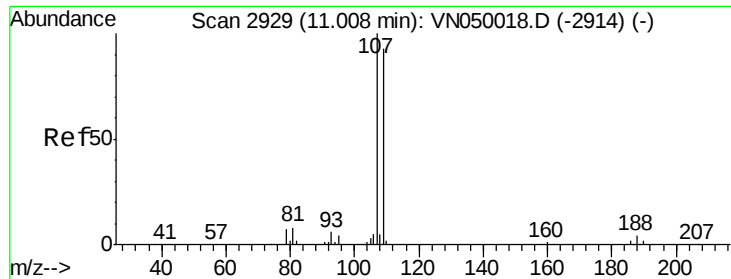
MMDadoda
8/6/2018 11:37:15 AM



#60
Dibromochloromethane
Concen: 52.58 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Tgt Ion: 129 Resp: 413653
Ion Ratio Lower Upper
129 100
127 77.9 38.0 113.9





#61

1,2-Dibromoethane

Concen: 52.07 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 367070

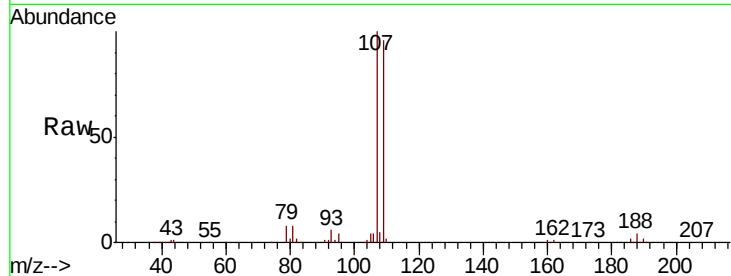
Ion Ratio Lower Upper

107 100

109 95.4 74.6 112.0

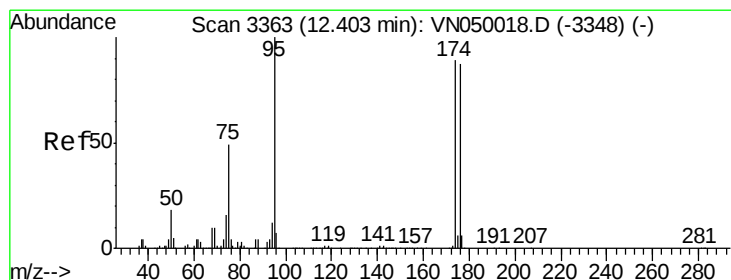
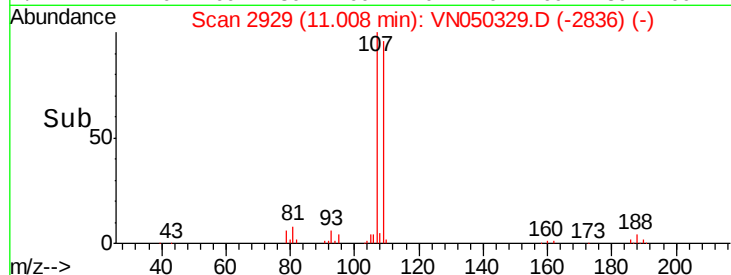
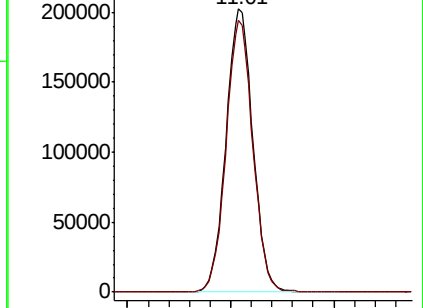
Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:37:15 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.67 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

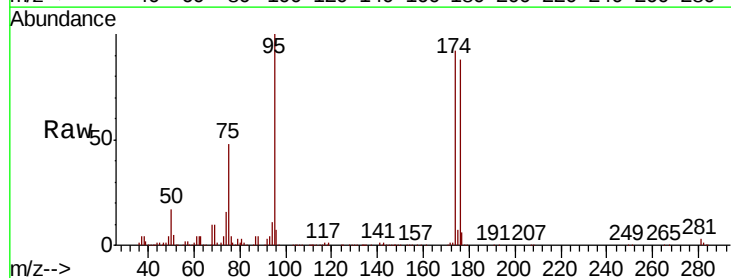
Tgt Ion: 95 Resp: 469597

Ion Ratio Lower Upper

95 100

174 91.3 0.0 178.2

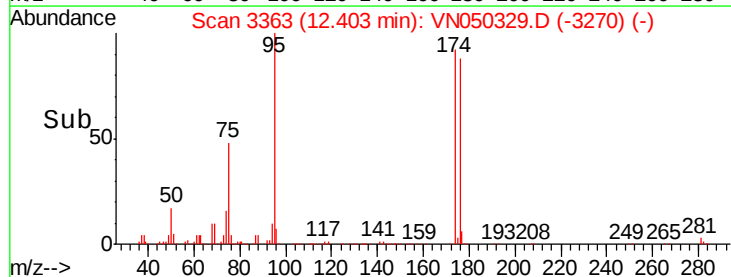
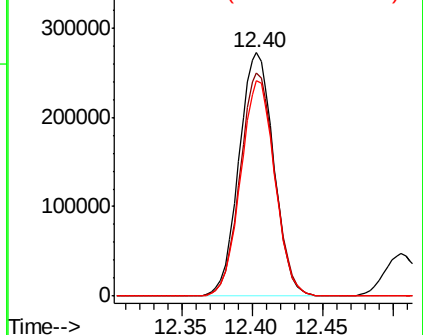
176 87.2 0.0 173.4

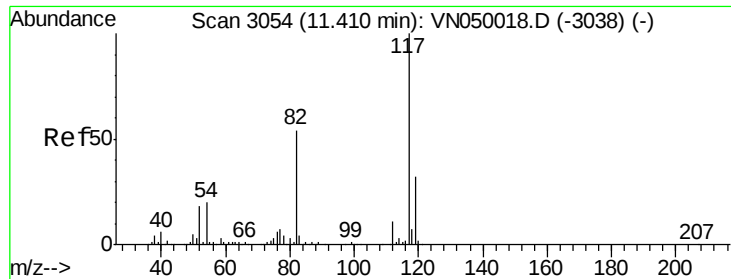


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





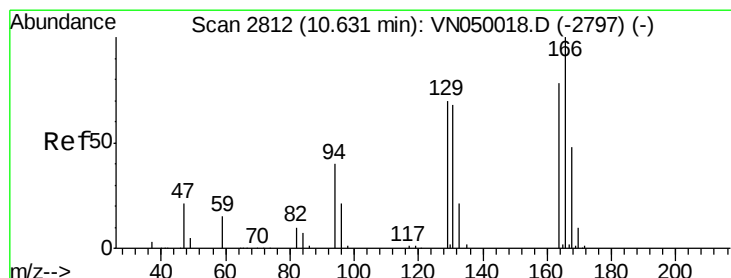
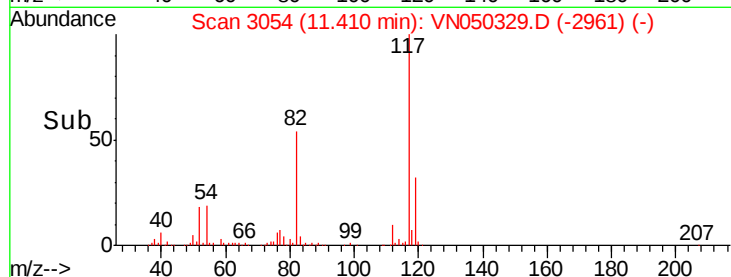
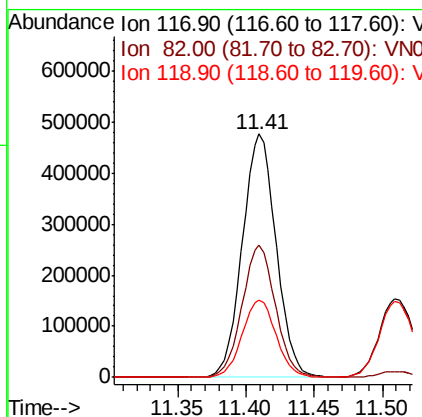
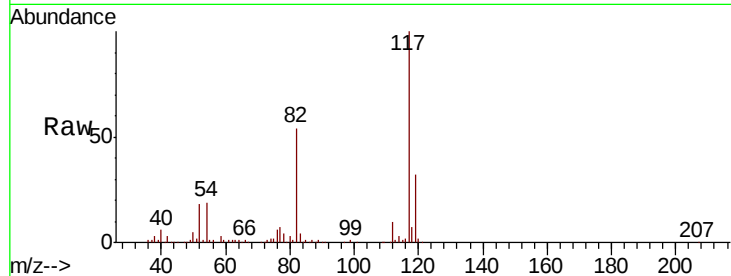
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.7	65.5
119	31.8	26.1	39.1

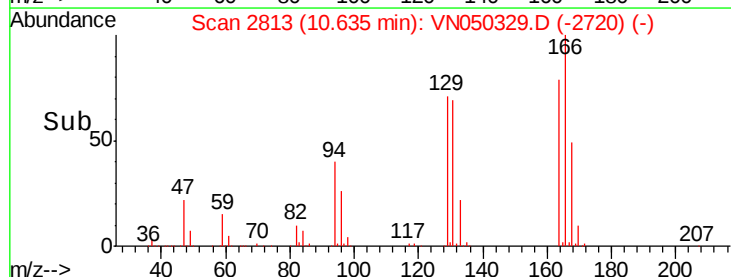
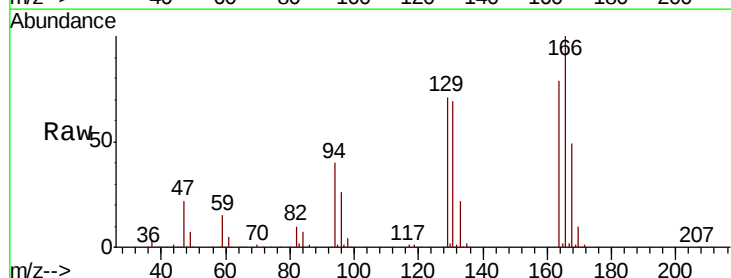
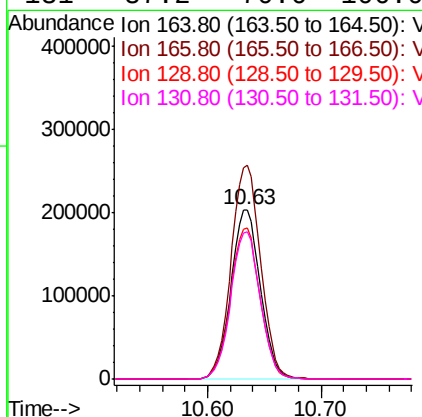
Manual Integrations
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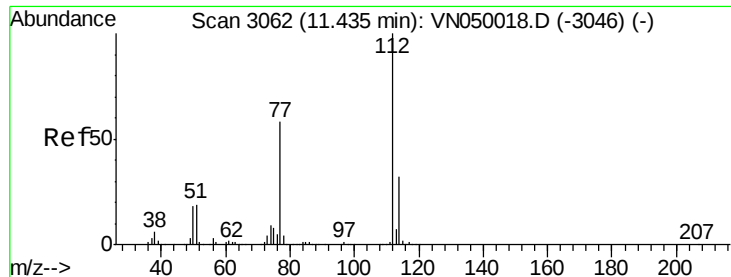
MMDadoda
8/6/2018 11:37:15 AM



#64
Tetrachloroethene
Concen: 46.75 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	102.1	153.1
129	89.2	73.2	109.8
131	87.2	70.6	106.0





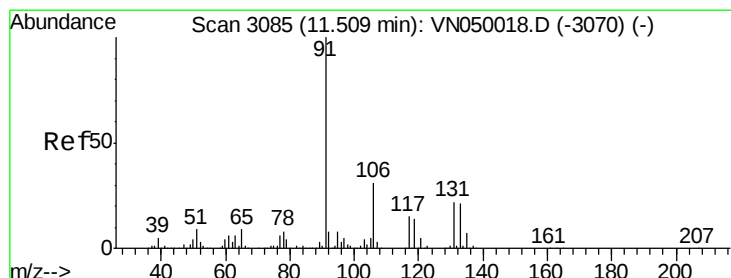
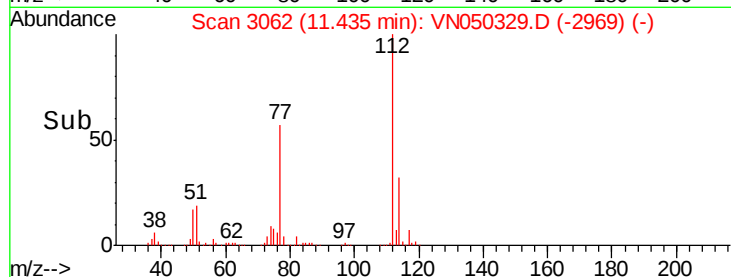
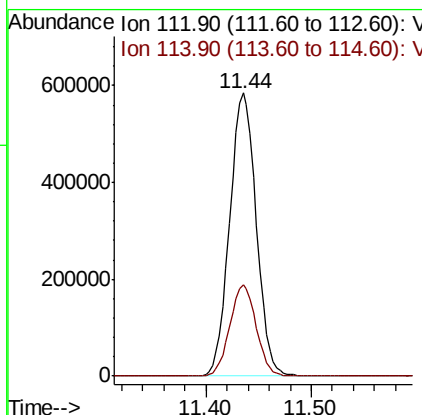
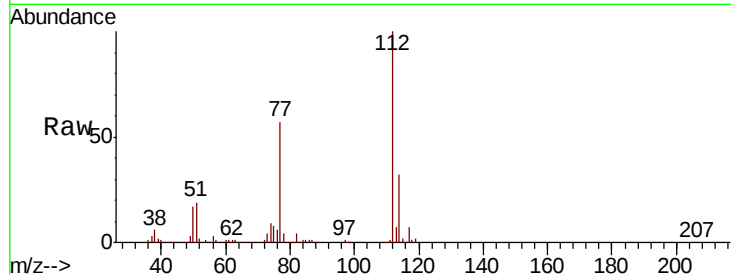
#65
Chlorobenzene
Concen: 49.18 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1018996
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4

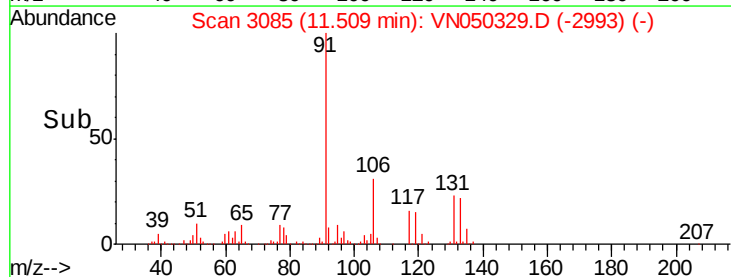
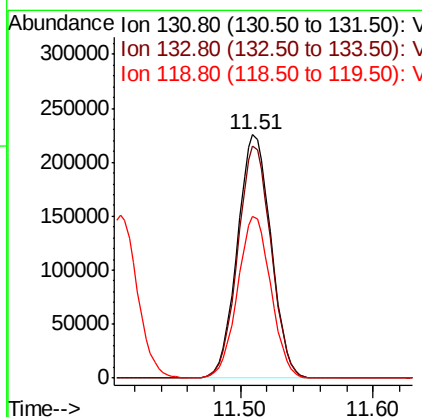
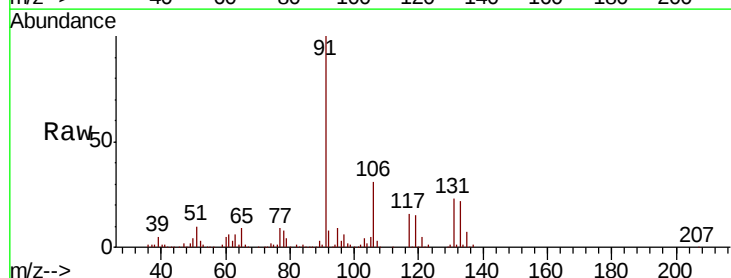
Manual Integrations
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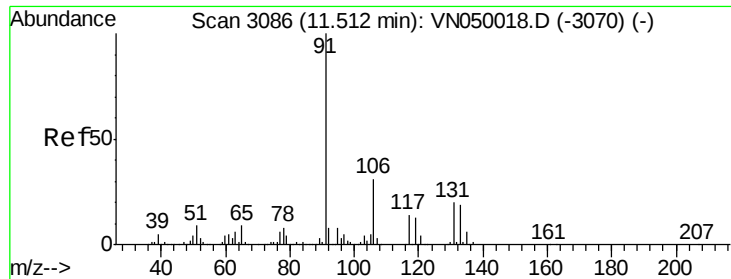
MMDadoda
8/6/2018 11:37:15 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.81 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Tgt Ion:131 Resp: 396470
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.9
119 65.7 32.9 98.7





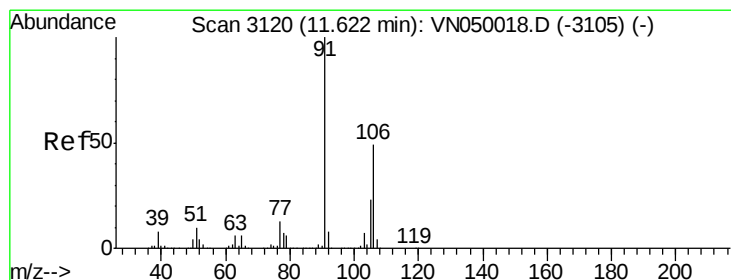
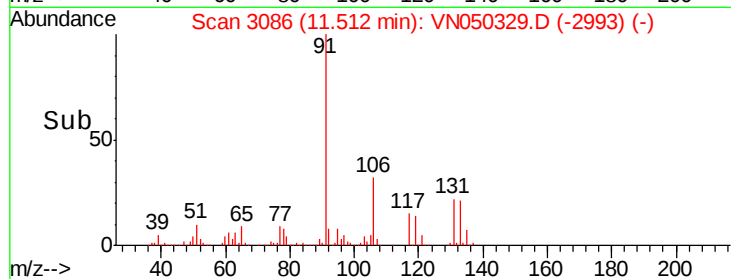
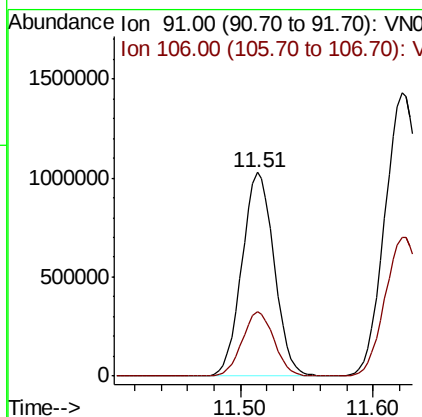
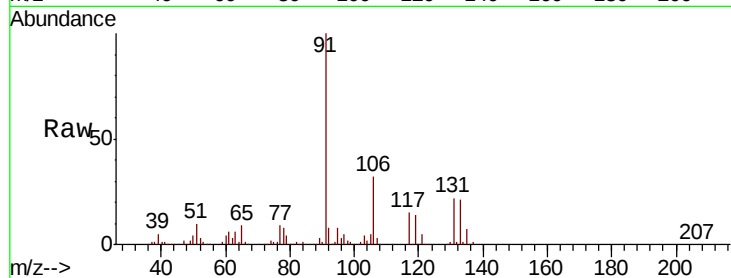
#67
Ethyl Benzene
Concen: 52.11 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1734168
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.4

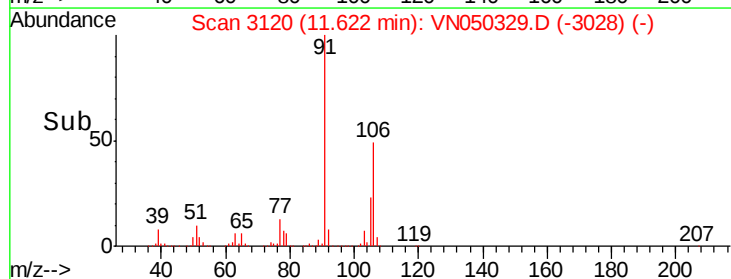
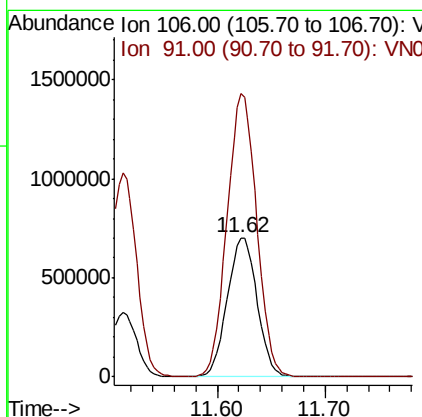
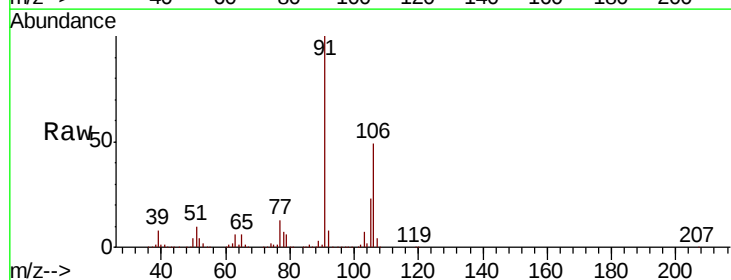
Manual Integrations
APPROVED

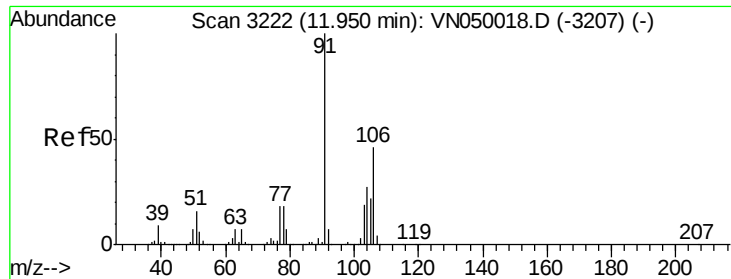
MMDadoda
8/6/2018 11:37:15 AM



#68
m/p-Xylenes
Concen: 107.09 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Tgt Ion: 106 Resp: 1348055
Ion Ratio Lower Upper
106 100
91 202.6 162.2 243.2





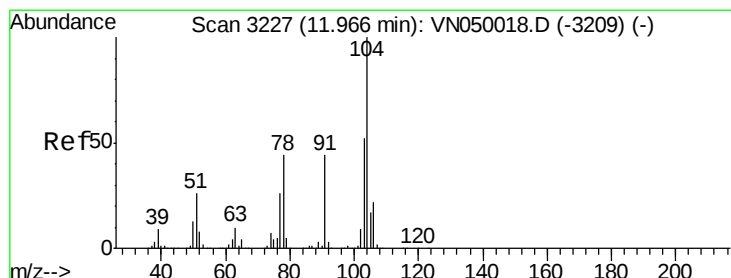
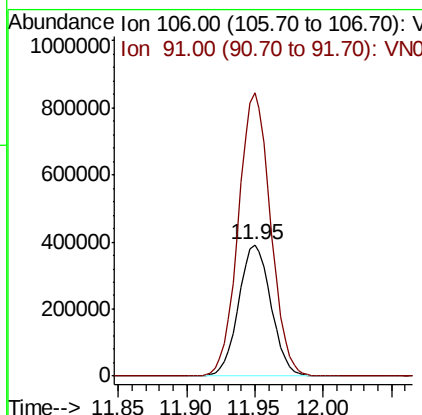
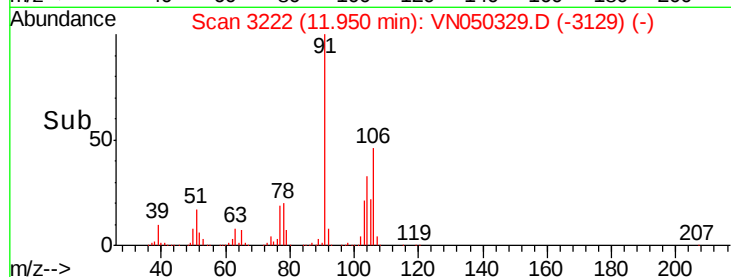
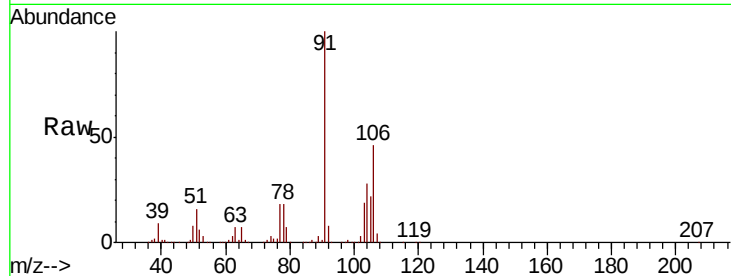
#69
o-Xylene
Concen: 53.77 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.1	107.7	323.1

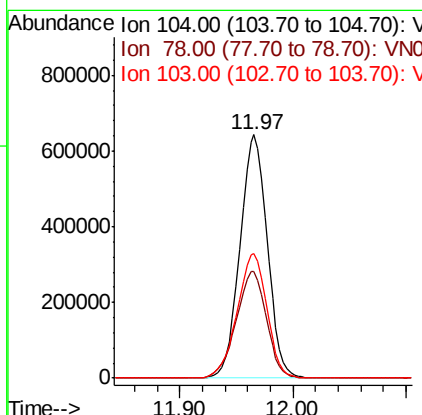
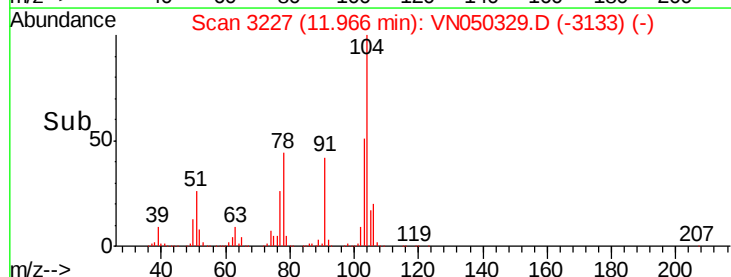
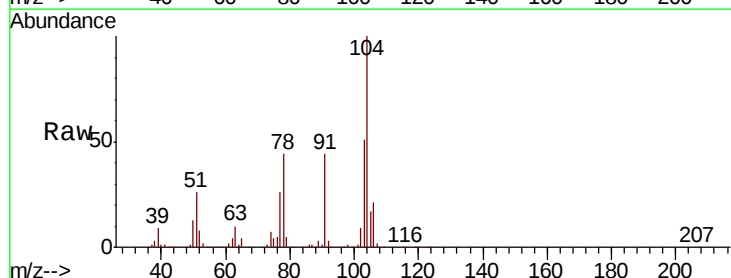
Manual Integrations
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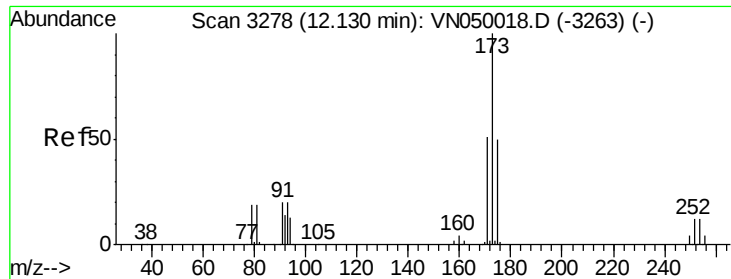
MMDadoda
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#70
Styrene
Concen: 50.73 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	39.3	58.9
103	55.6	45.0	67.6





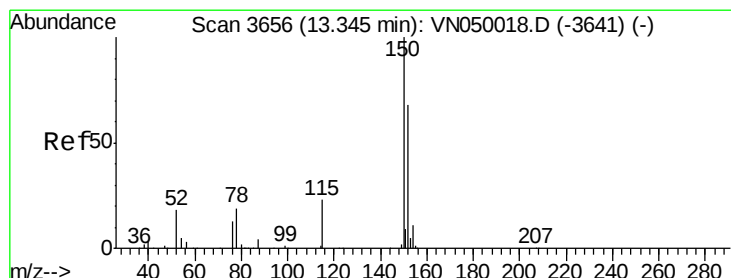
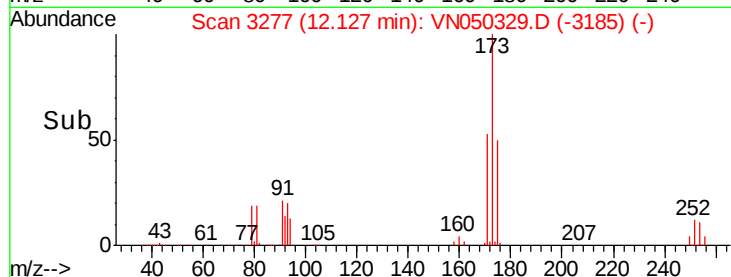
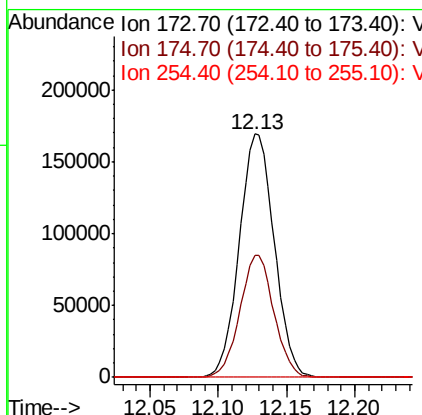
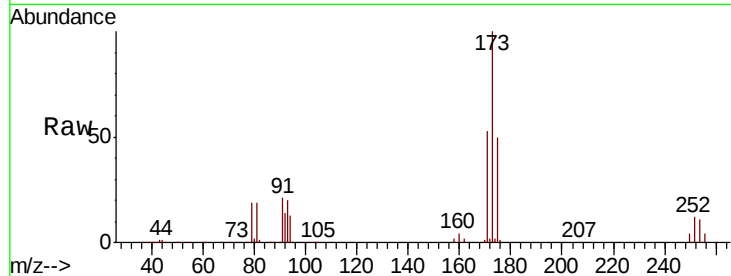
#71
Bromoform
Concen: 51.91 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.2
254	0.1	0.2	0.2#

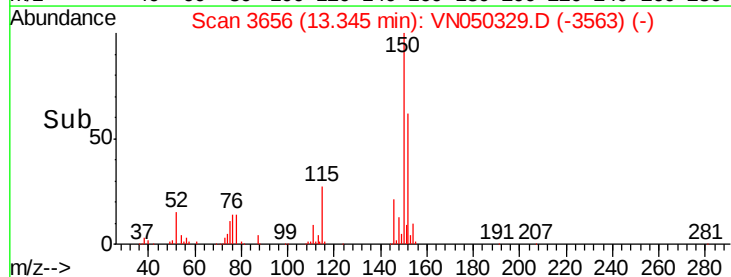
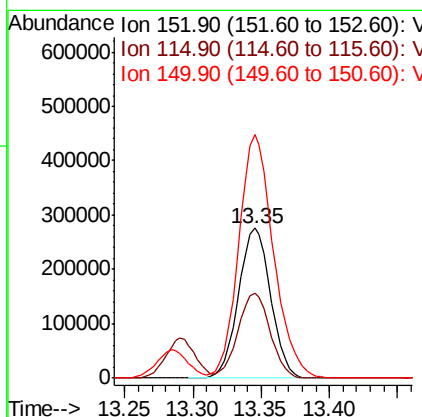
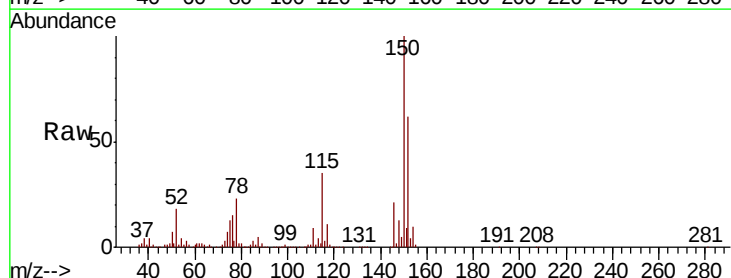
Manual Integrations
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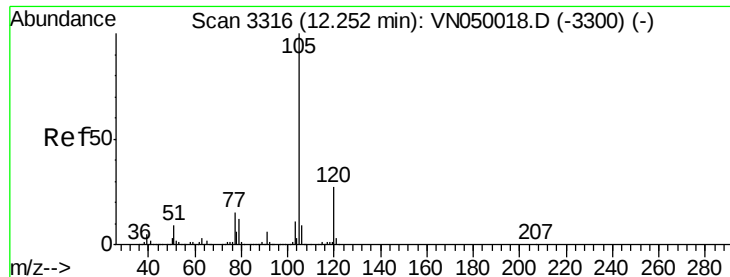
MMDadoda
8/6/2018 11:37:15 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	27.8	83.3
150	175.3	0.0	348.6





#73

Isopropylbenzene

Concen: 49.28 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1727242

Ion Ratio Lower Upper

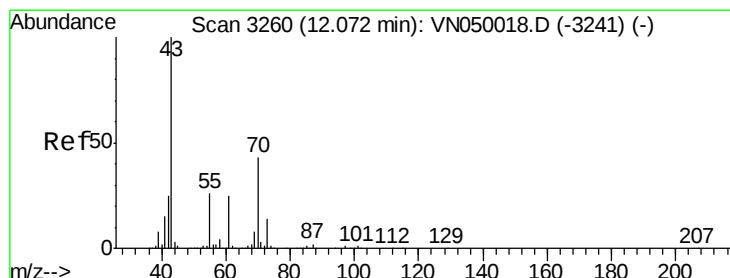
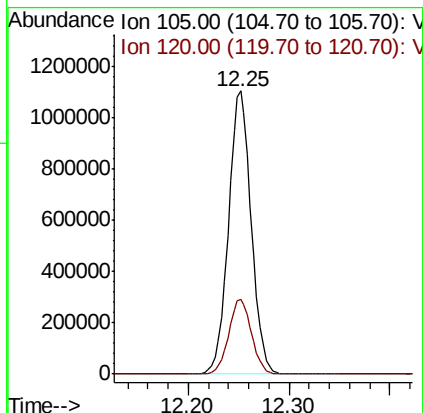
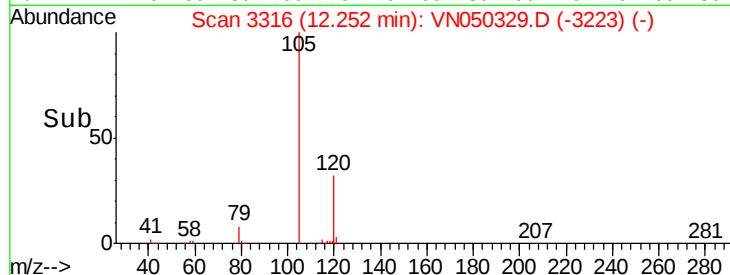
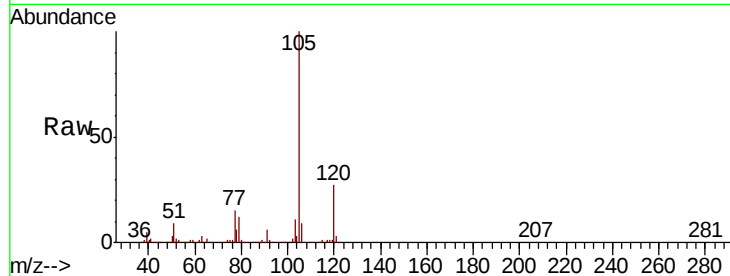
105 100

120 26.7 13.3 39.8

Manual Integrations
APPROVED

MMDadoda

8/6/2018 11:37:15 AM



#74

N-ethyl acetate

Concen: 52.91 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Tgt Ion: 43 Resp: 566741

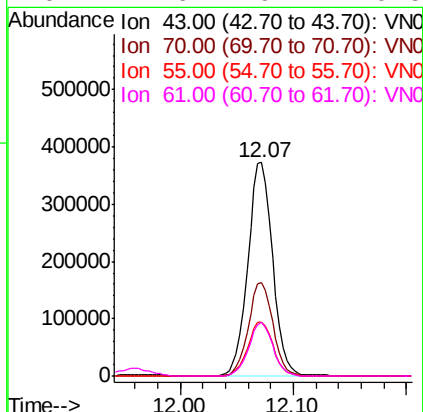
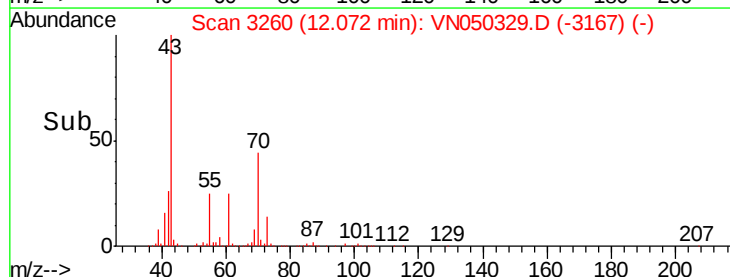
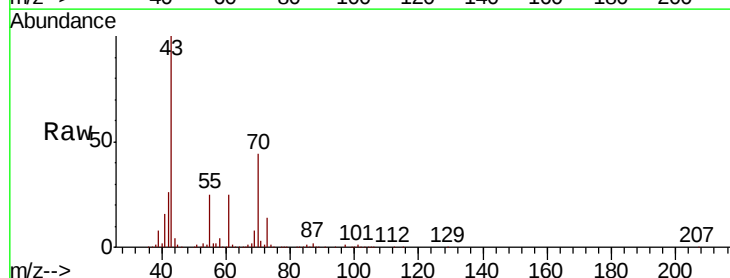
Ion Ratio Lower Upper

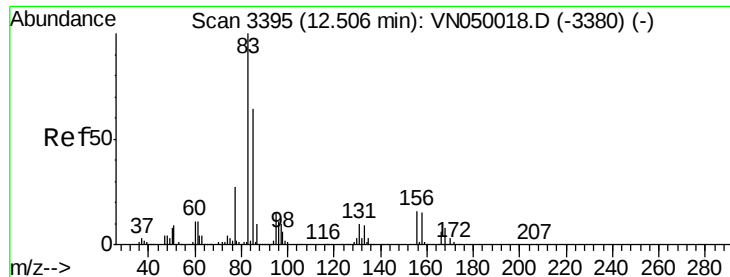
43 100

70 43.7 34.4 51.6

55 26.2 20.8 31.2

61 24.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 55.00 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Instrument :

MSVOA_N

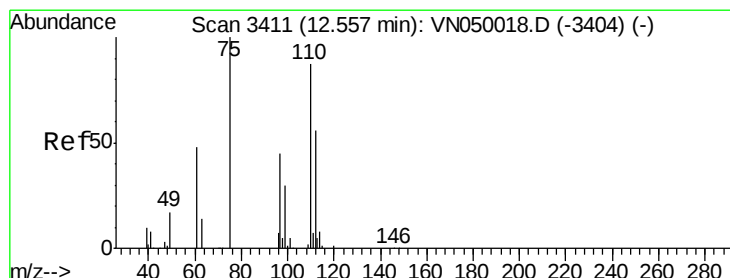
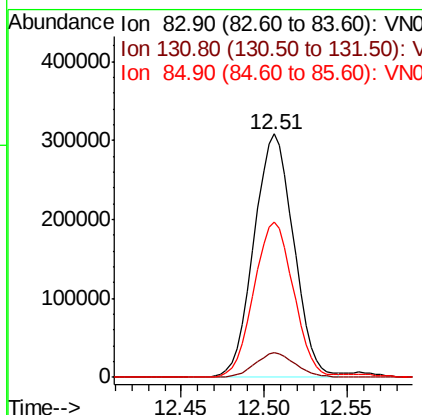
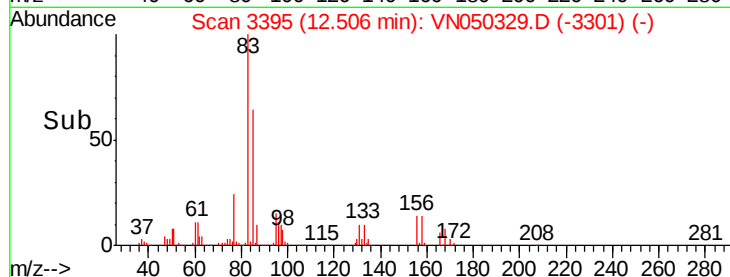
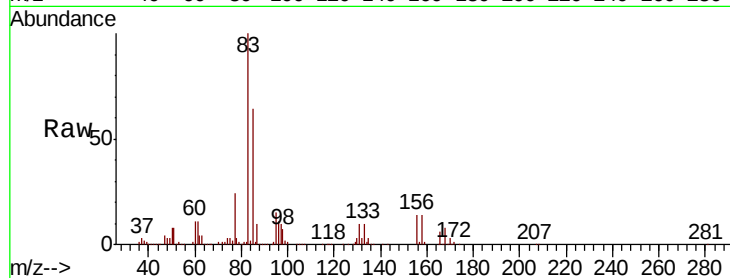
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	513165
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	63.9	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.68 ug/l m

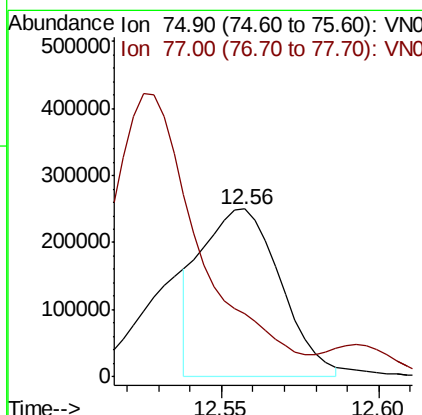
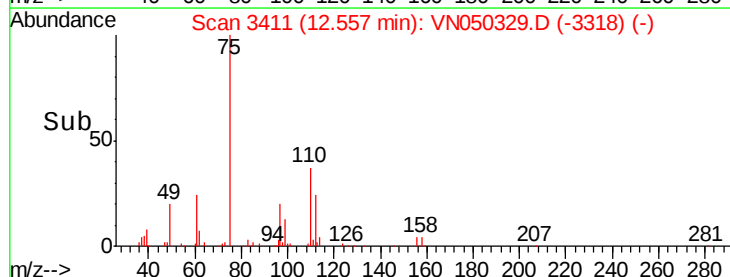
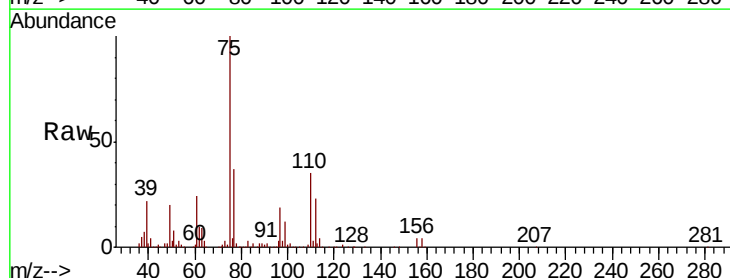
RT: 12.56 min Scan# 3411

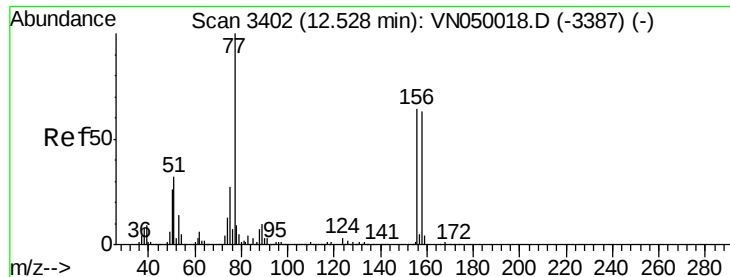
Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Tgt Ion:	75	Resp:	434017
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.21 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Instrument :

MSVOA_N

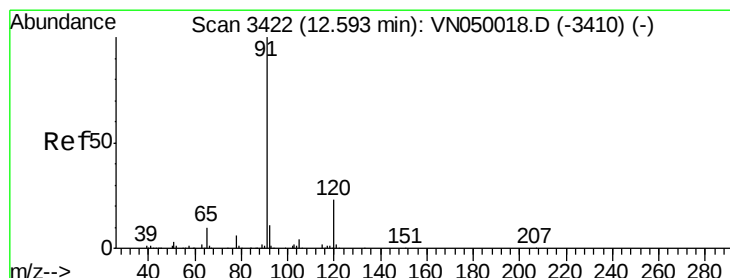
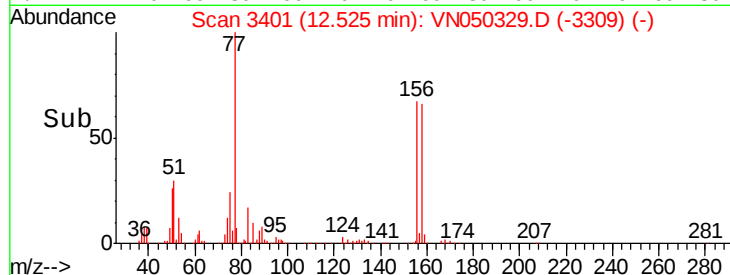
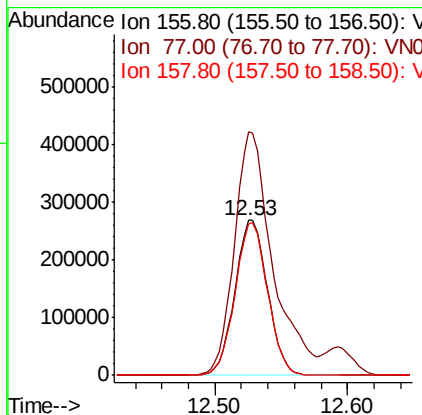
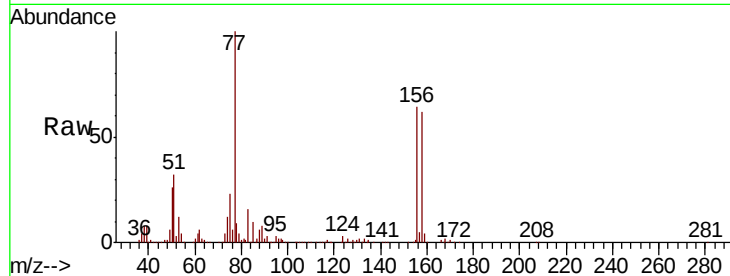
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	185.4	91.7	275.1
158	97.7	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 51.30 ug/l

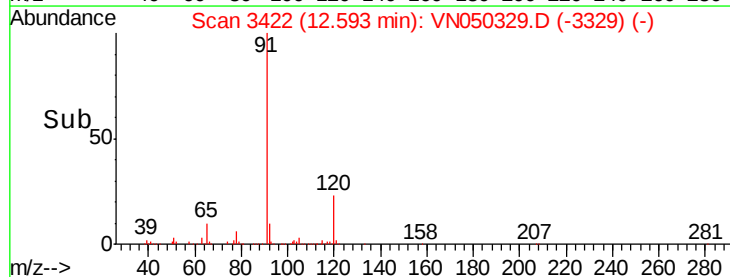
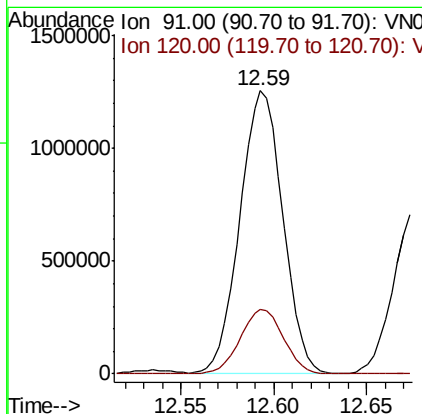
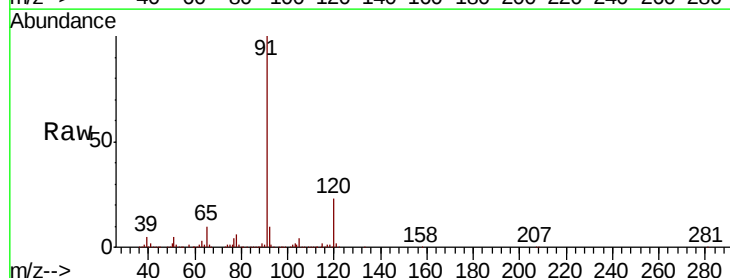
RT: 12.59 min Scan# 3422

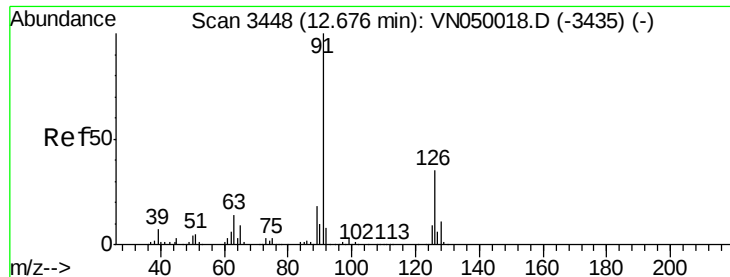
Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.6	34.7





#79

2-Chlorotoluene

Concen: 49.23 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1195388

Ion Ratio Lower Upper

91 100

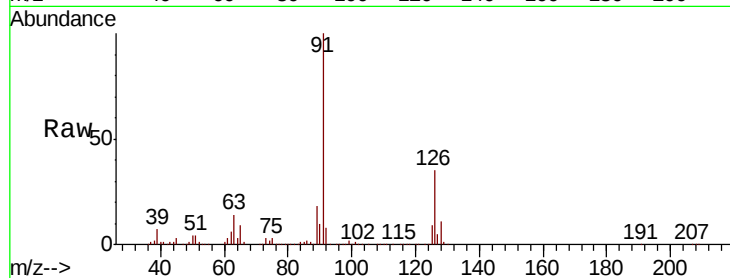
126 35.0 17.6 52.8

Manual Integrations

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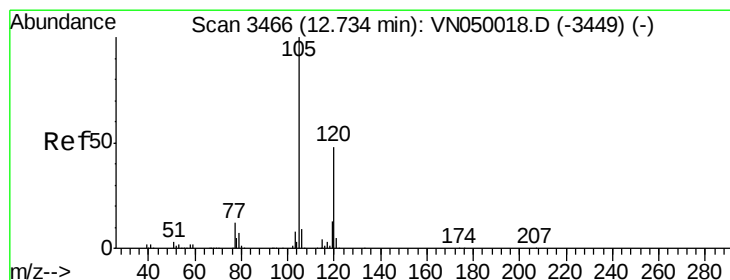
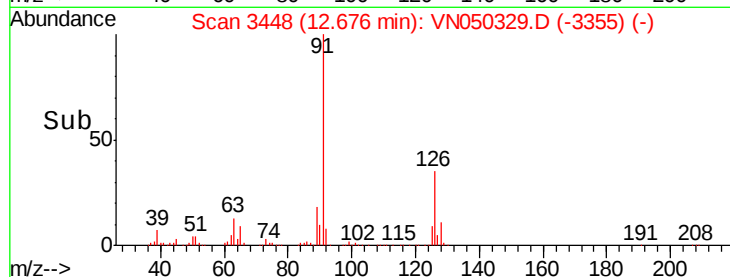
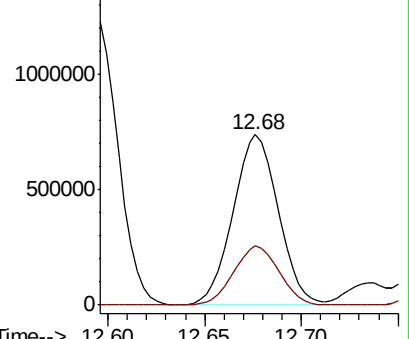
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Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3435) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 52.84 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050329.D

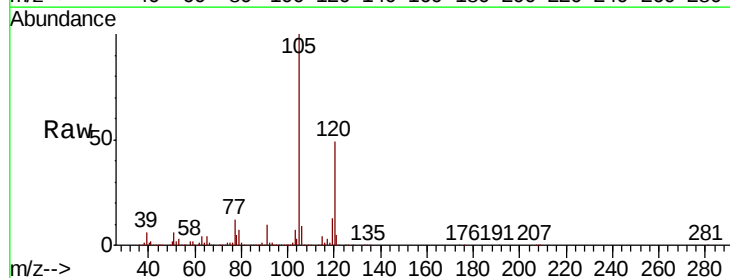
Acq: 3 Aug 2018 22:26

Tgt Ion:105 Resp: 1456758

Ion Ratio Lower Upper

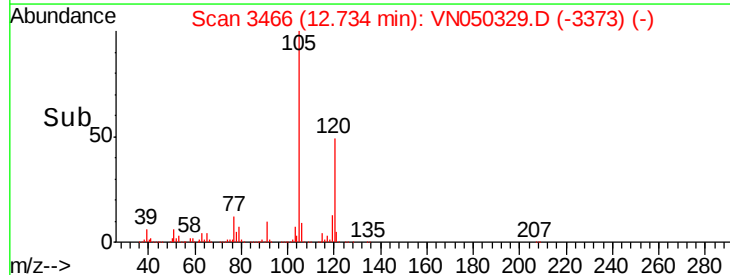
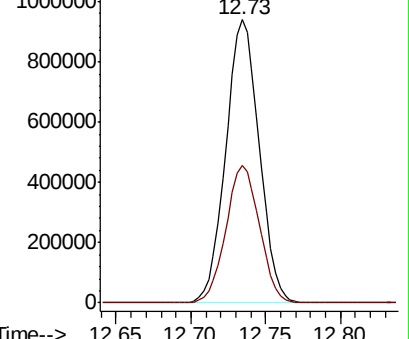
105 100

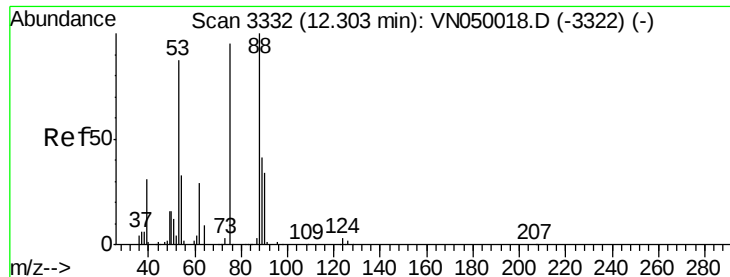
120 48.8 24.4 73.2



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 49.15 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 130132

Ion Ratio Lower Upper

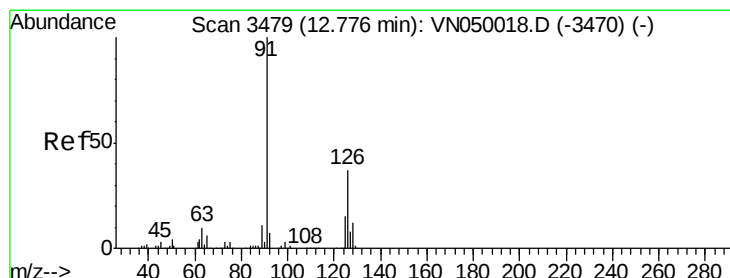
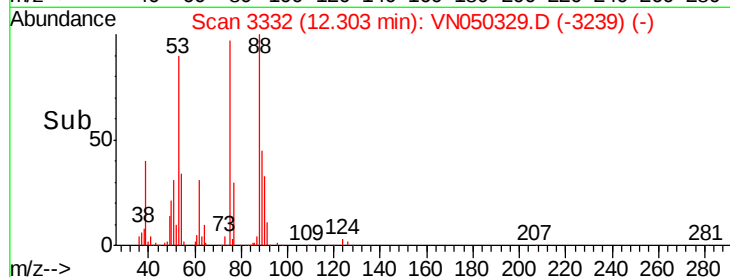
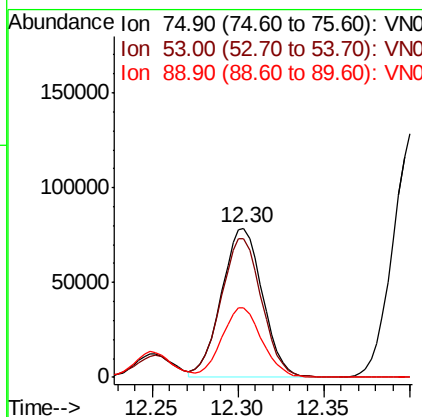
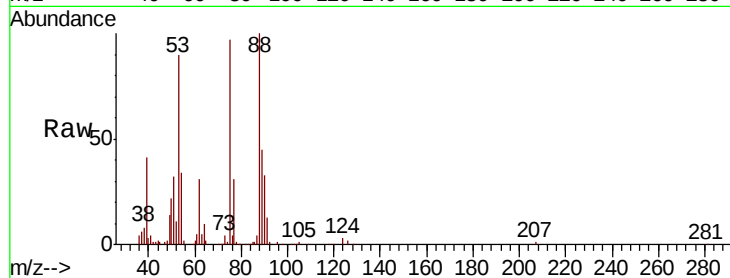
75 100

53 93.3 73.5 110.3

89 46.2 36.0 54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.78 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050329.D

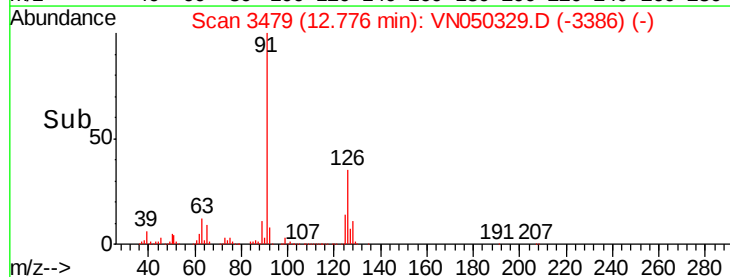
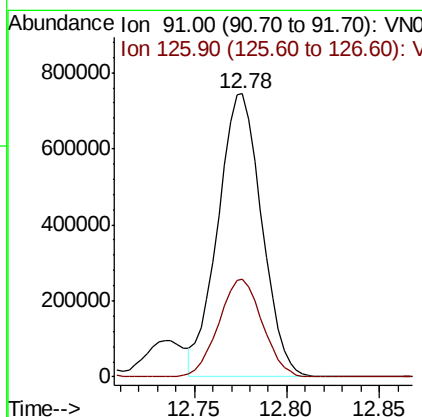
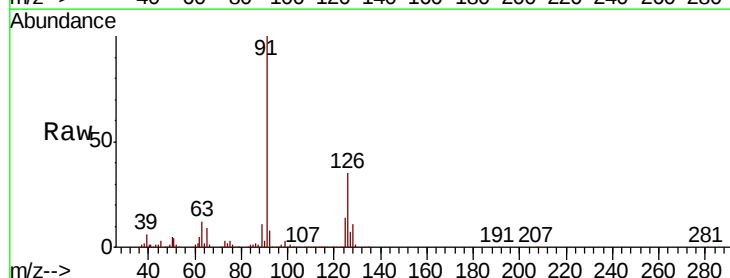
Acq: 3 Aug 2018 22:26

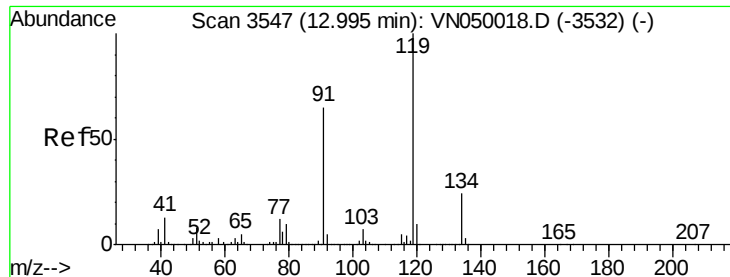
Tgt Ion: 91 Resp: 1220900

Ion Ratio Lower Upper

91 100

126 34.6 17.0 51.0





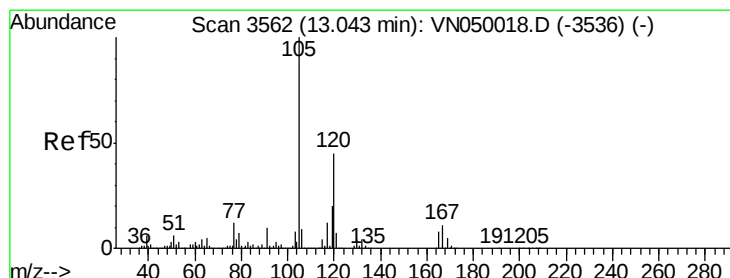
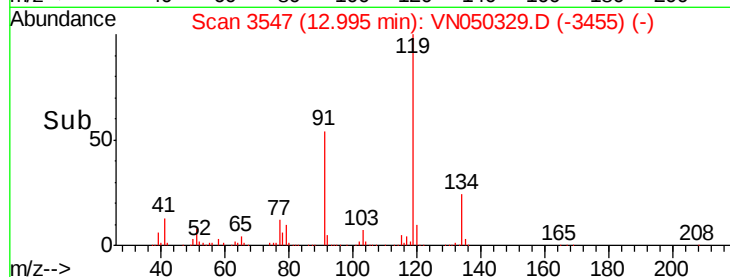
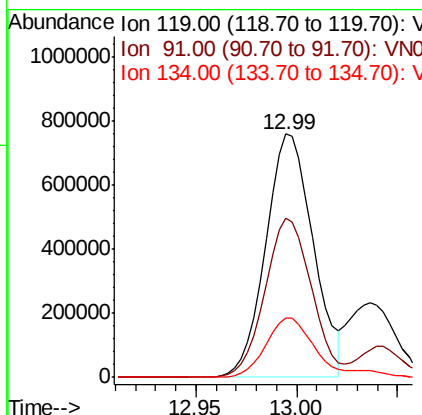
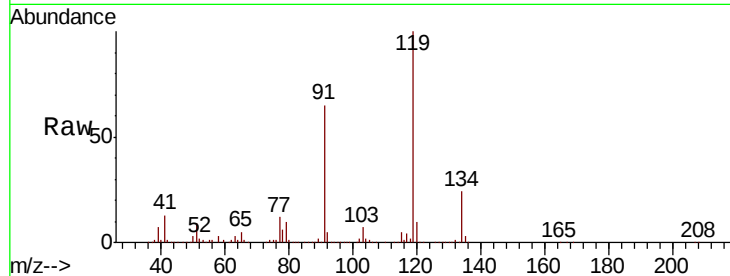
#83
 tert-Butylbenzene
 Concen: 51.58 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050329.D
 Acq: 3 Aug 2018 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.1	32.1	96.3
134	26.6	13.2	39.5

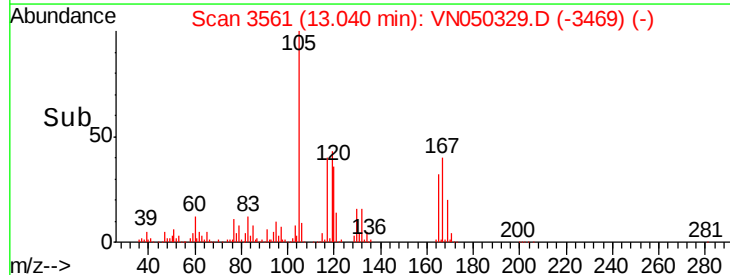
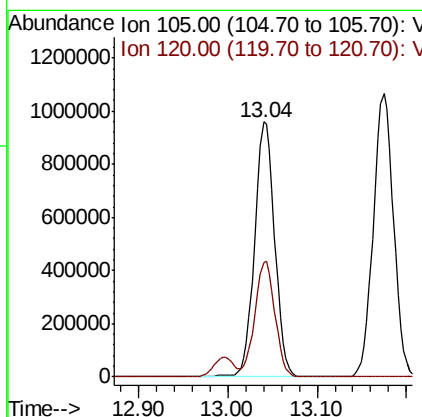
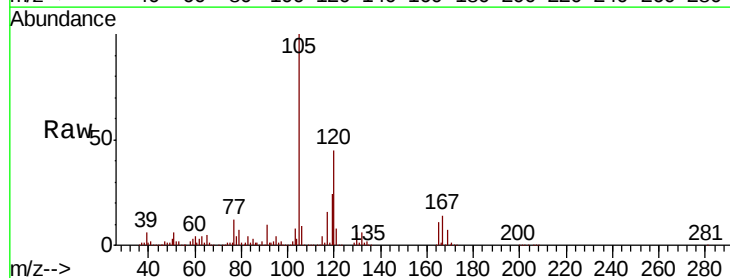
Manual Integrations
 APPROVED

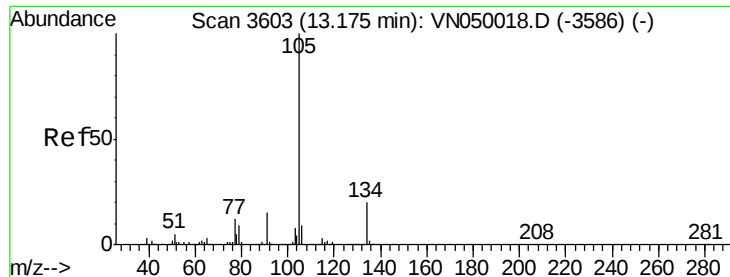
MMDadoda
 8/6/2018 11:37:15 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.42 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050329.D
 Acq: 3 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.9	68.7





#85

sec-Butylbenzene

Concen: 51.89 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1668118

Ion Ratio Lower Upper

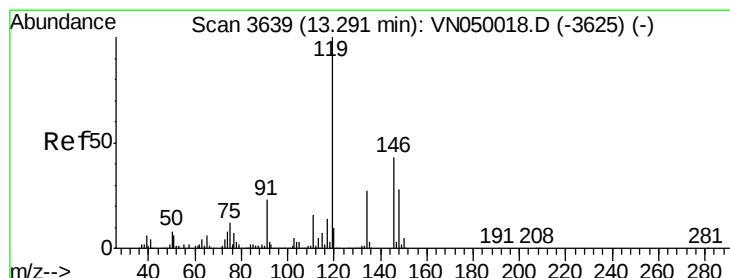
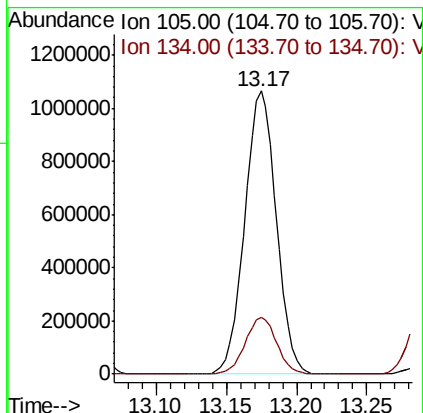
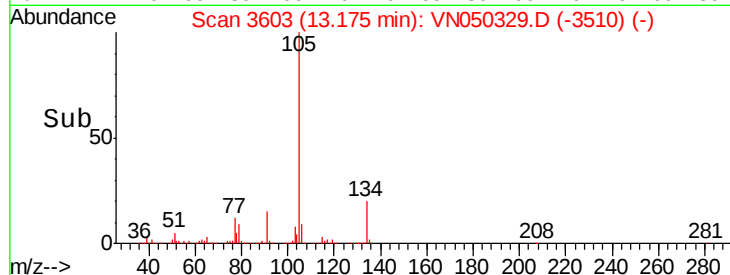
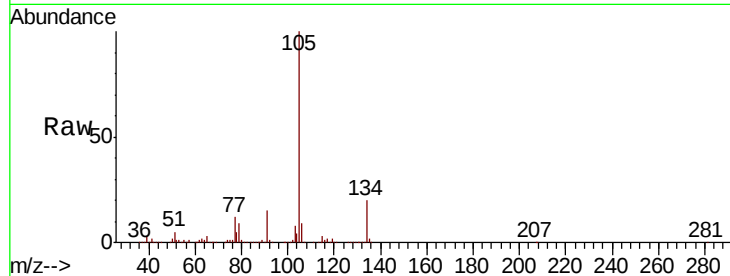
105 100

134 20.0 10.1 30.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 53.98 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

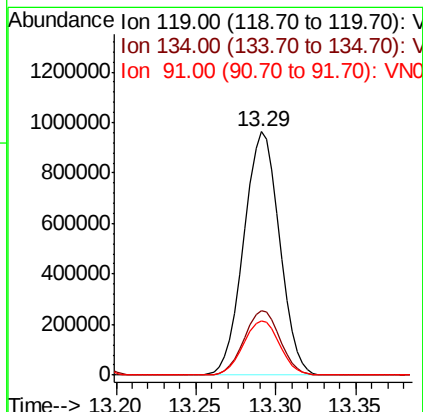
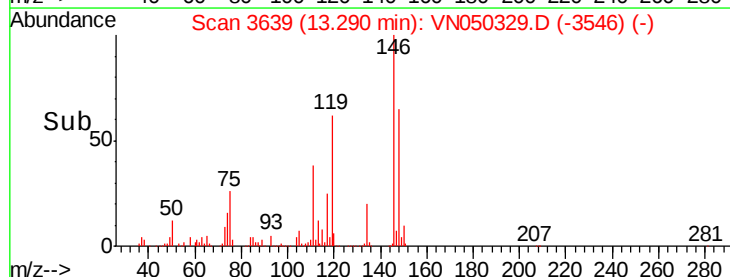
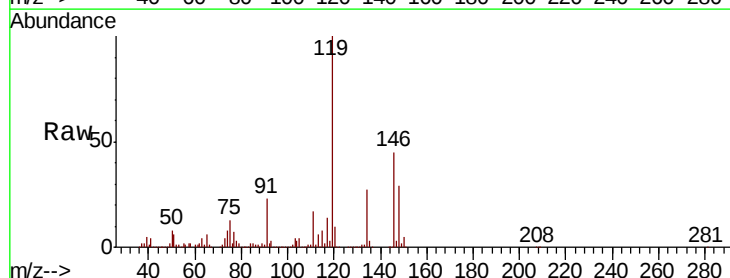
Tgt Ion:119 Resp: 1462134

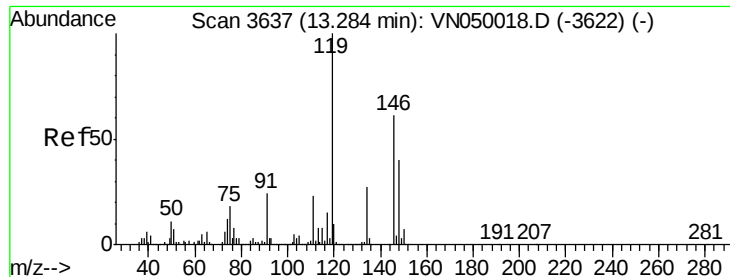
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 22.6 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 49.61 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050329.D

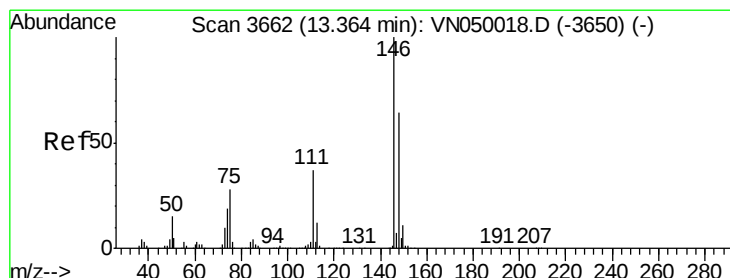
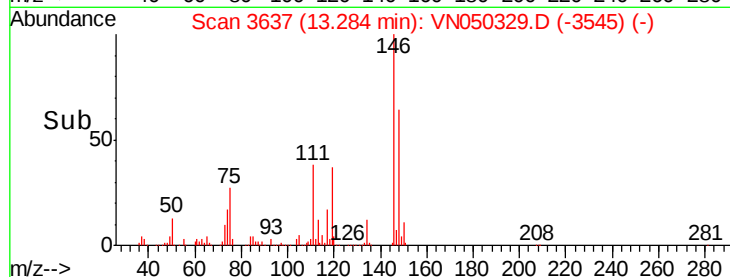
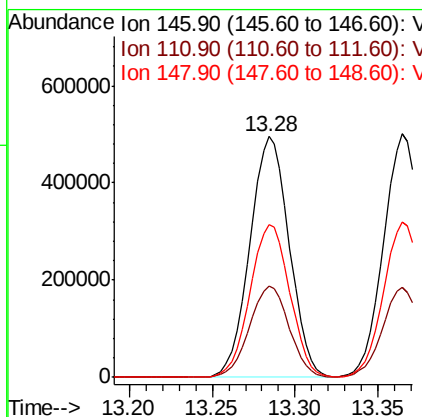
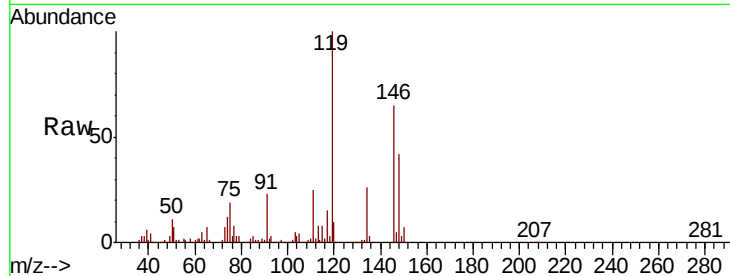
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.4
148	64.2	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.10 ug/l

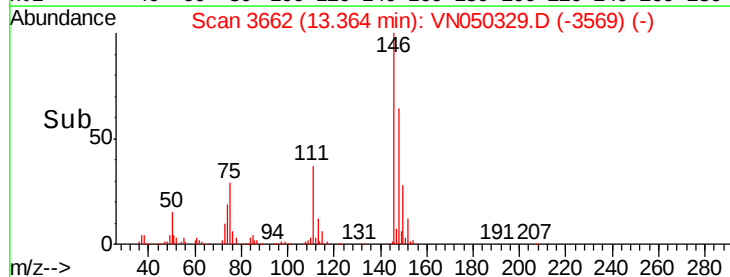
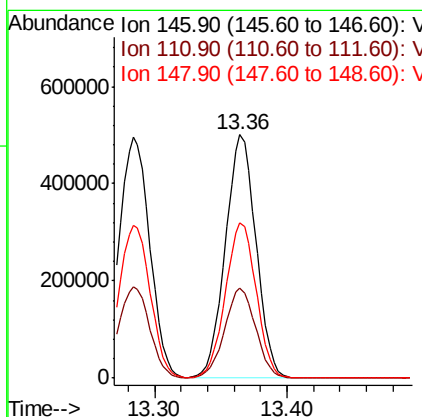
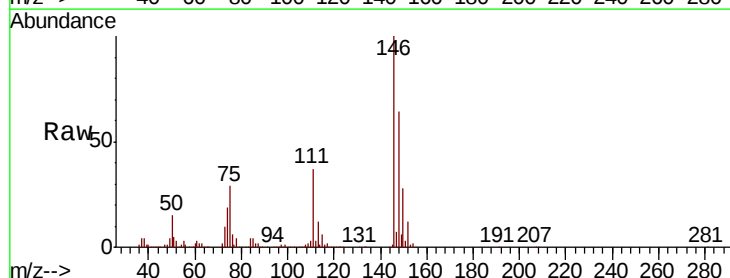
RT: 13.36 min Scan# 3662

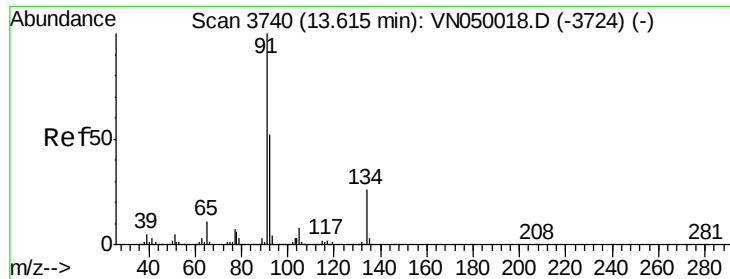
Delta R.T. 0.00 min

Lab File: VN050329.D

Acq: 3 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.3	54.9
148	64.0	31.9	95.9





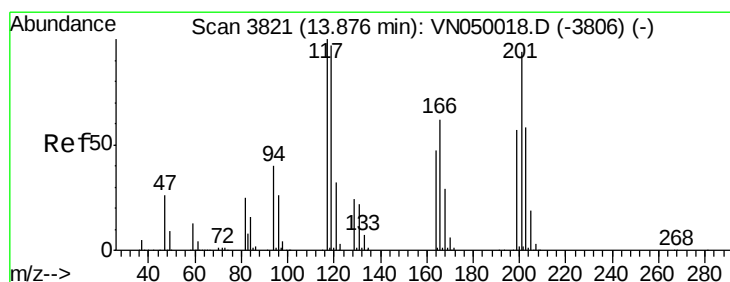
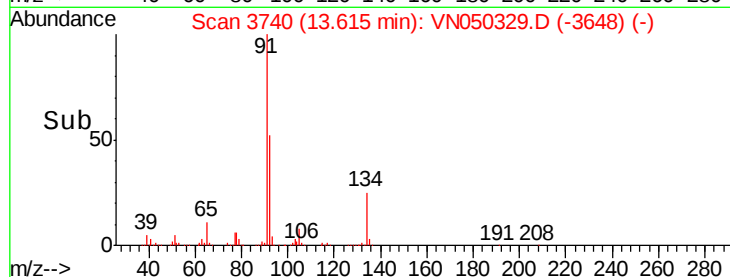
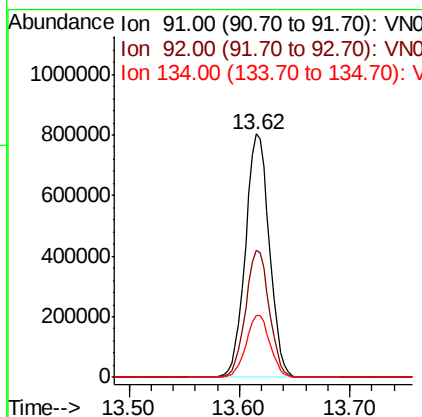
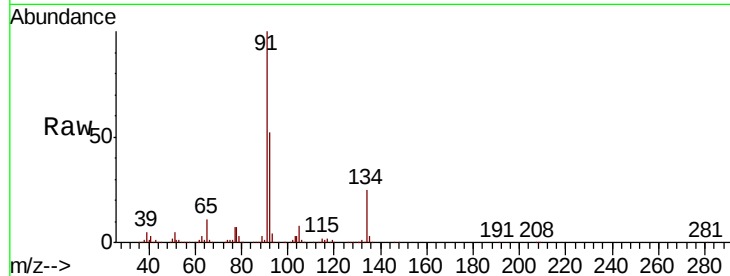
#89
n-Butylbenzene
Concen: 53.94 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.8	77.4
134	25.5	12.8	38.4

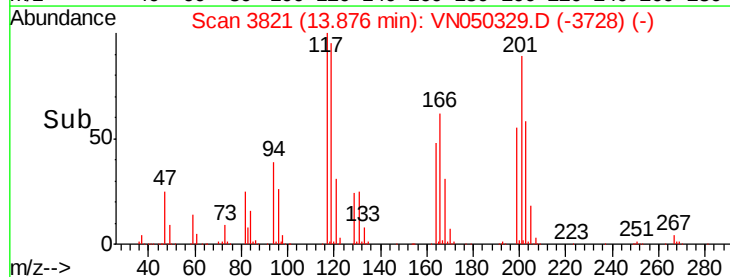
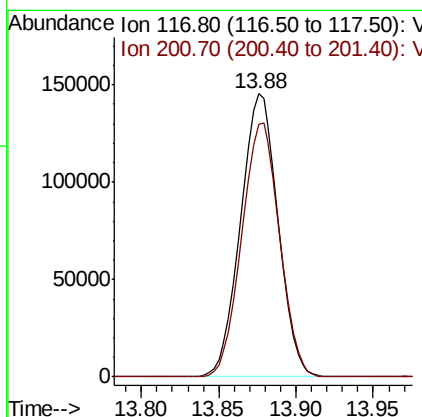
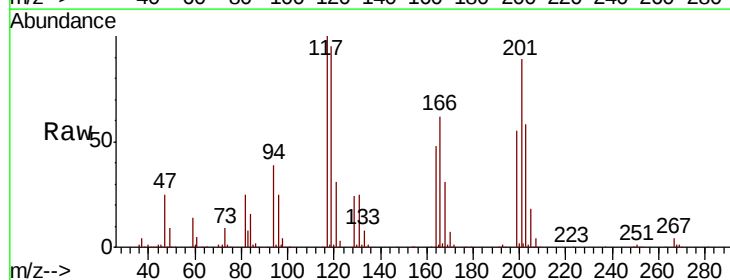
Manual Integrations
APPROVED

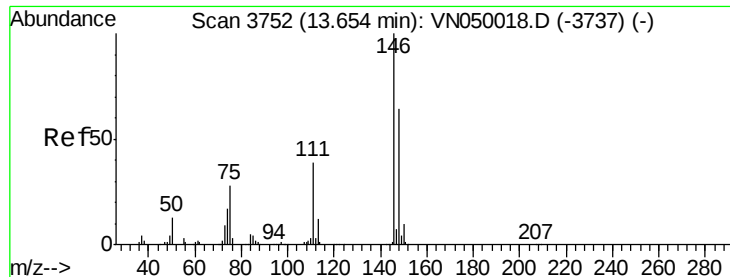
MMDadoda
8/6/2018 11:37:15 AM



#90
Hexachloroethane
Concen: 40.73 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.5	45.6	136.8





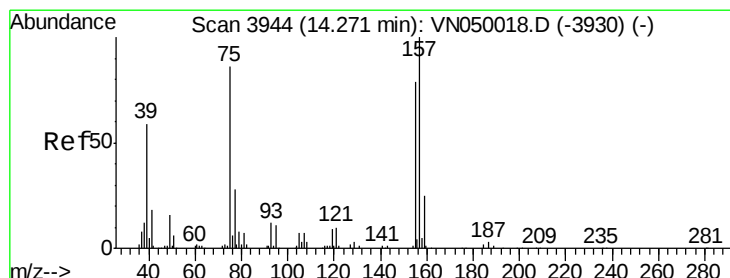
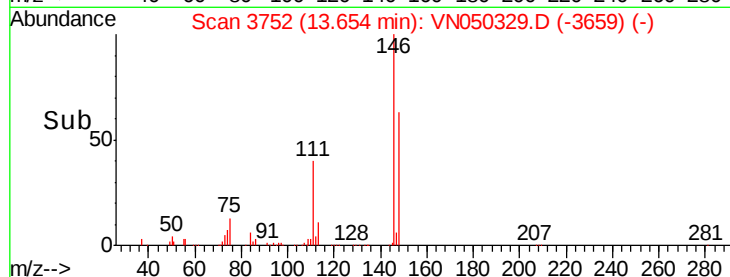
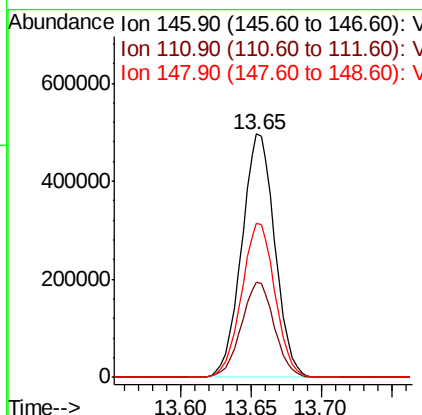
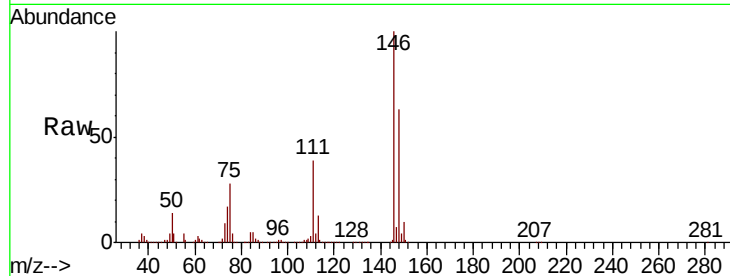
#91
 1,2-Dichlorobenzene
 Concen: 49.69 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050329.D
 Acq: 3 Aug 2018 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	63.7	32.1	96.3

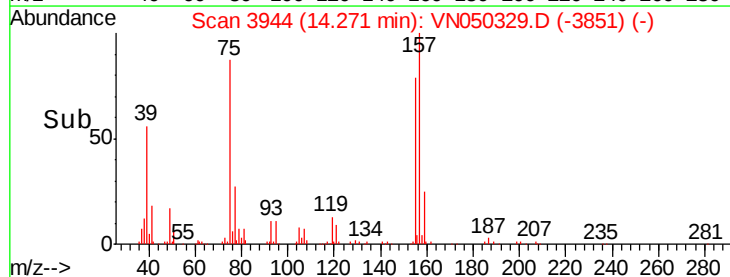
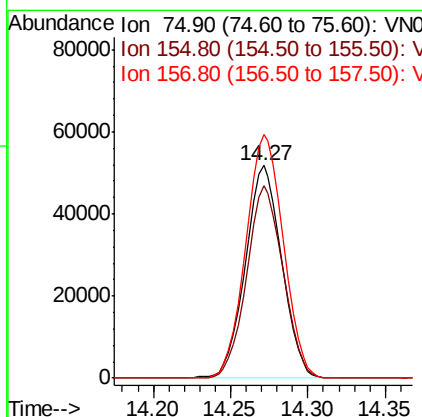
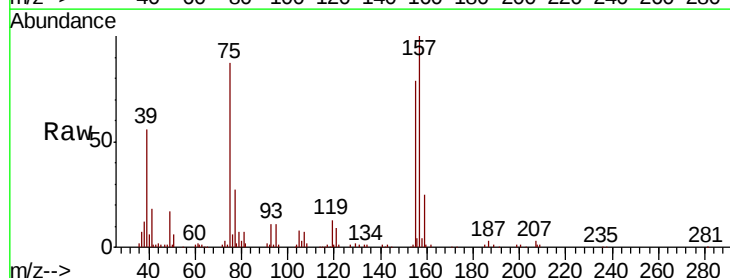
Manual Integrations
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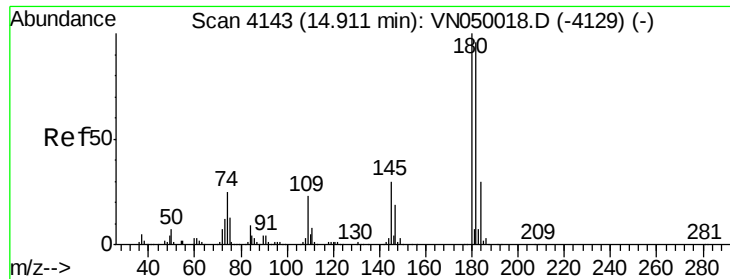
MMDadoda
 8/6/2018 11:37:15 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.27 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050329.D
 Acq: 3 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.4	44.8	134.4
157	118.2	57.2	171.6





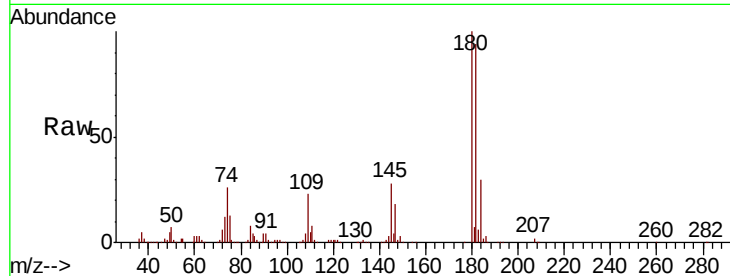
#93
 1,2,4-Trichlorobenzene
 Concen: 51.39 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050329.D
 Acq: 3 Aug 2018 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	449446		
182	94.9	46.7	140.1	
145	28.3	13.8	41.4	

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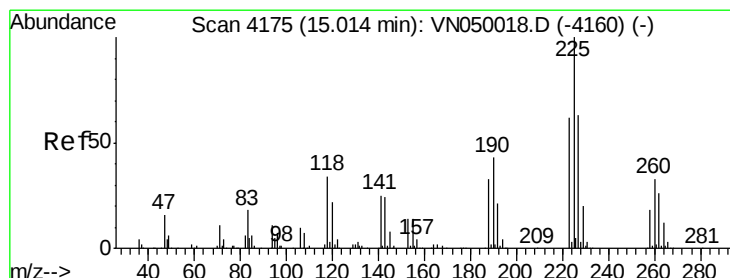
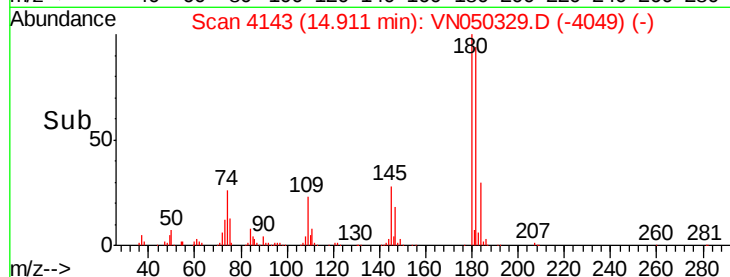
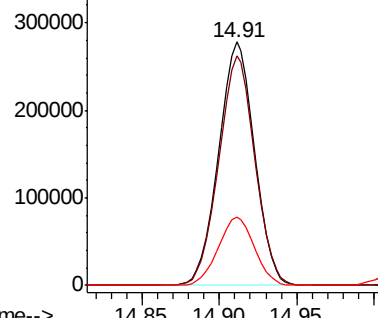


Abundance

Ion 179.80 (179.50 to 180.50): V

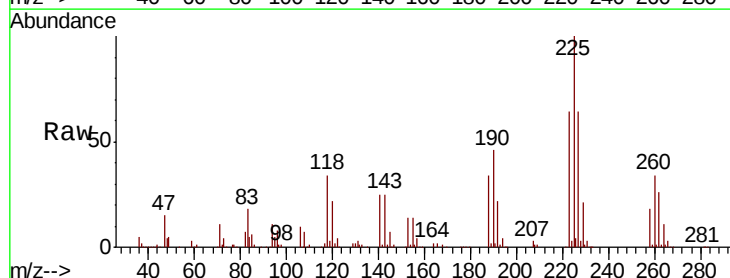
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 46.43 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050329.D
 Acq: 3 Aug 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	233982		
223	63.3	31.4	94.2	
227	63.6	32.1	96.5	

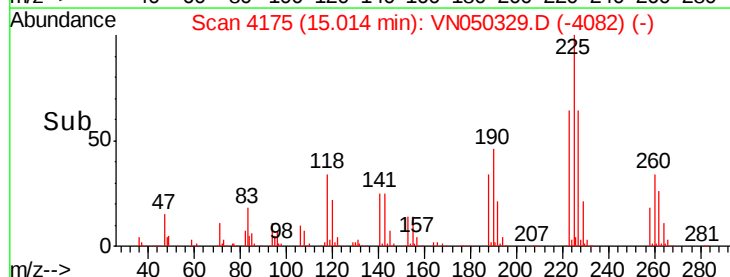
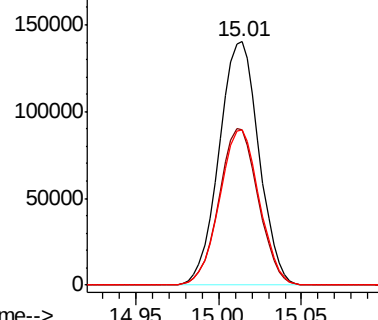


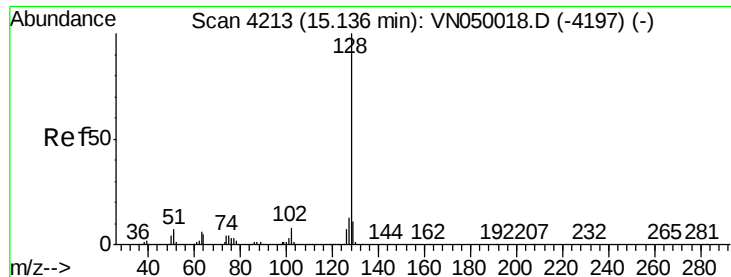
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





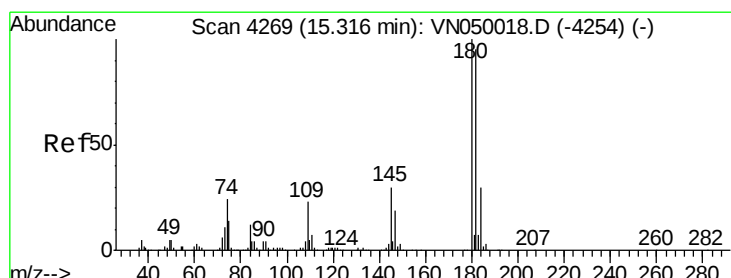
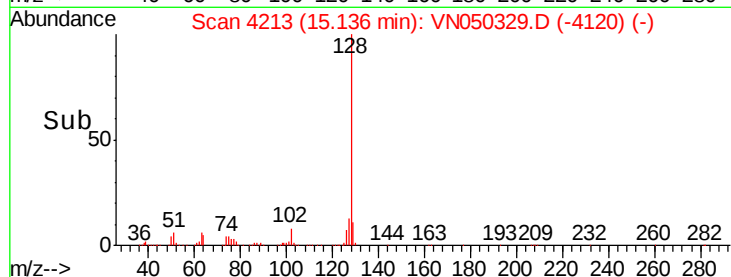
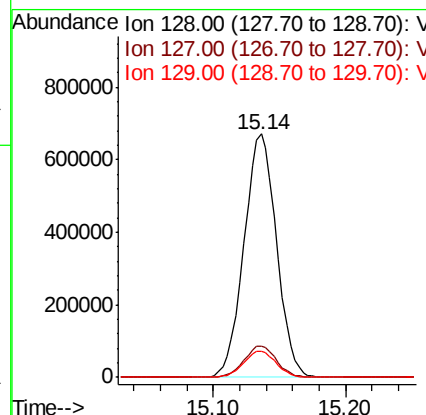
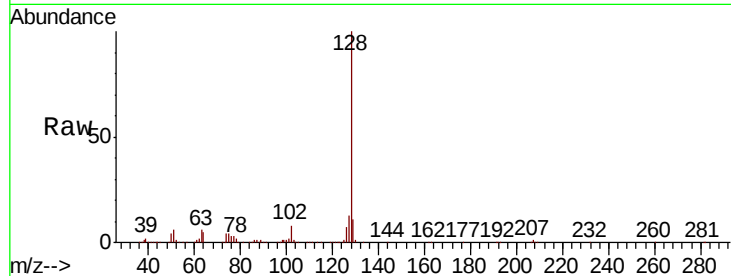
#95
Naphthalene
Concen: 54.76 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

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#96
1,2,3-Trichlorobenzene
Concen: 53.06 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050329.D
Acq: 3 Aug 2018 22:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.1	144.4
145	30.1	15.3	45.9

