

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041419\
 Data File : VN055032.D
 Acq On : 13 Apr 2019 16:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 10:04:22 AM

Quant Time: Apr 14 03:52:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	418626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	680109	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	599715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	259558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	273887	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
35) Dibromofluoromethane	7.59	113	220075	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	10.09	98	817484	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.40	95	273741	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	234900	50.871	ug/l	99
3) Chloromethane	2.06	50	305041	49.262	ug/l	97
4) Vinyl Chloride	2.19	62	249759	49.706	ug/l	99
5) Bromomethane	2.54	94	132609	45.590	ug/l	98
6) Chloroethane	2.69	64	134816	48.652	ug/l	96
7) Trichlorofluoromethane	3.01	101	311993	49.500	ug/l	100
8) Diethyl Ether	3.41	74	100973	50.940	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	157980	48.056	ug/l	100
10) Methyl Iodide	3.94	142	240536	50.734	ug/l	98
11) Tert butyl alcohol	4.83	59	86159	266.522	ug/l #	92
12) 1,1-Dichloroethene	3.72	96	155787	48.132	ug/l	98
13) Acrolein	3.60	56	94928	243.277	ug/l	98
14) Allyl chloride	4.31	41	408050	51.598	ug/l	99
15) Acrylonitrile	5.00	53	501890	281.482	ug/l	99
16) Acetone	3.82	43	339151	234.999	ug/l	99
17) Carbon Disulfide	4.03	76	480426	45.572	ug/l	100
18) Methyl Acetate	4.33	43	236886	52.951	ug/l	100
19) Methyl tert-butyl Ether	5.06	73	625771	54.112	ug/l	100
20) Methylene Chloride	4.54	84	243987	52.151	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	217428	50.994	ug/l	93
22) Diisopropyl ether	5.96	45	856540	53.419	ug/l	99
23) Vinyl Acetate	5.90	43	3151258	280.991	ug/l	100
24) 1,1-Dichloroethane	5.84	63	440537	50.870	ug/l	99
25) 2-Butanone	6.85	43	629122	283.038	ug/l	98
26) 2,2-Dichloropropane	6.82	77	271334	47.359	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	253455	51.169	ug/l	98
28) Bromochloromethane	7.19	49	212832	51.799	ug/l	100
29) Tetrahydrofuran	7.22	42	419504	287.903	ug/l	100
30) Chloroform	7.37	83	416519	50.438	ug/l	99
31) Cyclohexane	7.65	56	395360	49.377	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	338368	51.433	ug/l	99
36) 1,1-Dichloropropene	7.79	75	311751	49.598	ug/l	100
37) Ethyl Acetate	6.94	43	270485	57.322	ug/l	99
38) Carbon Tetrachloride	7.77	117	283687	47.948	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	321164	44.631	ug/l	100
40) Benzene	8.04	78	963886	50.722	ug/l	100
41) Methacrylonitrile	7.18	41	148436	51.123	ug/l	99
42) 1,2-Dichloroethane	8.12	62	330598	49.453	ug/l	99
43) Isopropyl Acetate	8.17	43	450065	55.780	ug/l	99
44) Trichloroethene	8.83	130	236523	48.703	ug/l	99
45) 1,2-Dichloropropane	9.12	63	267658	49.911	ug/l	100
46) Dibromomethane	9.21	93	154189	50.178	ug/l	96
47) Bromodichloromethane	9.40	83	319202	51.082	ug/l	99
48) Methyl methacrylate	9.20	41	225396	54.228	ug/l	100
49) 1,4-Dioxane	9.21	88	39678	887.639	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1340857	283.819	ug/l	98
52) Toluene	10.16	92	571072	50.812	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	307586	54.361	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	368788	52.910	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	213356	50.961	ug/l	97
56) Ethyl methacrylate	10.43	69	299981	55.683	ug/l	99
57) 1,3-Dichloropropane	10.71	76	379761	52.582	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	586600	242.889	ug/l	99
59) 2-Hexanone	10.75	43	839207	284.263	ug/l	99
60) Dibromochloromethane	10.90	129	224084	53.771	ug/l	99
61) 1,2-Dibromoethane	11.01	107	213003	53.139	ug/l	97
64) Tetrachloroethene	10.63	164	224531	47.863	ug/l	97
65) Chlorobenzene	11.43	112	597366	51.659	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	219871	51.595	ug/l	100
67) Ethyl Benzene	11.51	91	1076092	50.661	ug/l	100
68) m/p-Xylenes	11.62	106	803204	103.356	ug/l	99
69) o-Xylene	11.95	106	390514	50.788	ug/l	100
70) Styrene	11.96	104	651873	53.468	ug/l	99
71) Bromoform	12.13	173	142519	48.837	ug/l #	100
73) Isopropylbenzene	12.25	105	1015014	45.994	ug/l	99
74) N-amyl acetate	12.07	43	361356	54.325	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	276901	48.463	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	243652m	51.024	ug/l	
77) Bromobenzene	12.53	156	253702	51.298	ug/l	98
78) n-propylbenzene	12.59	91	1120044	46.584	ug/l	100
79) 2-Chlorotoluene	12.67	91	696002	46.859	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	825562	45.953	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	63223	54.647	ug/l	94
82) 4-Chlorotoluene	12.77	91	690647	48.079	ug/l	99
83) tert-Butylbenzene	12.99	119	690284	44.851	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	825716	47.933	ug/l	100
85) sec-Butylbenzene	13.17	105	875887	44.573	ug/l	99
86) p-Isopropyltoluene	13.29	119	774125	45.291	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	415375	47.115	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	399593	47.390	ug/l	99
89) n-Butylbenzene	13.61	91	615125	45.823	ug/l	99
90) Hexachloroethane	13.87	117	122162	43.253	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	410889	48.009	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38919	52.384	ug/l	93

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VSTDCCC050EC

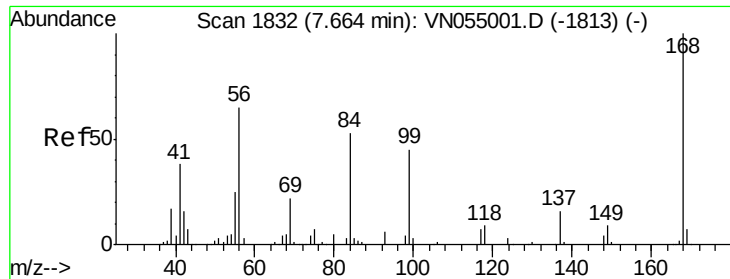
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	179467	42.770	ug/l	99
94) Hexachlorobutadiene	15.01	225	114494	44.616	ug/l	99
95) Naphthalene	15.13	128	448139	45.630	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	185990	48.175	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 418626

Ion Ratio Lower Upper

168 100

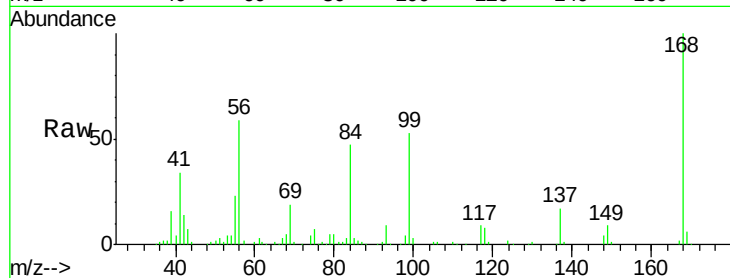
99 52.4 41.9 62.9

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Abundance Ion 167.90 (167.60 to 168.60): VN055001.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055001.D (-1813) (-)

200000

150000

100000

50000

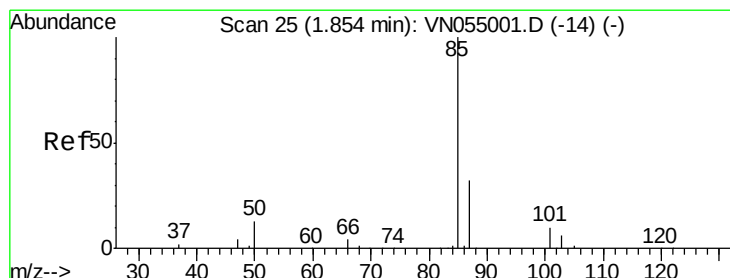
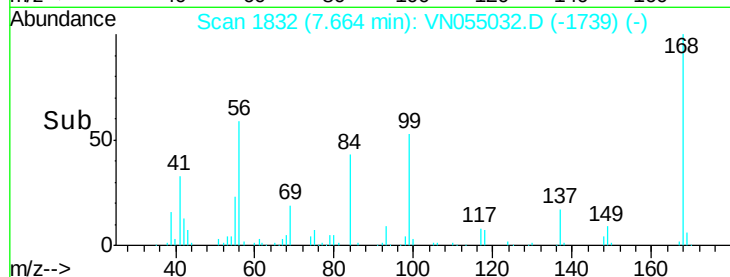
0

7.66

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.871 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055032.D

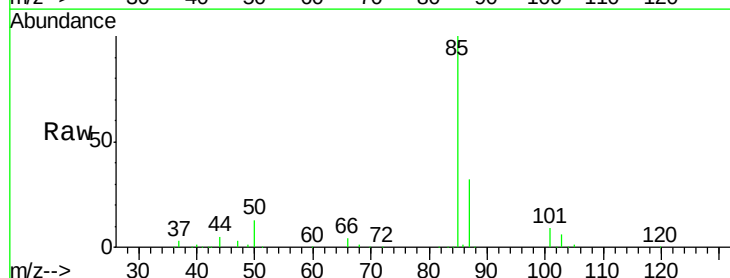
Acq: 13 Apr 2019 16:21

Tgt Ion: 85 Resp: 234900

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055001.D (-14) (-)

Ion 86.90 (86.60 to 87.60): VN055001.D (-14) (-)

200000

150000

100000

50000

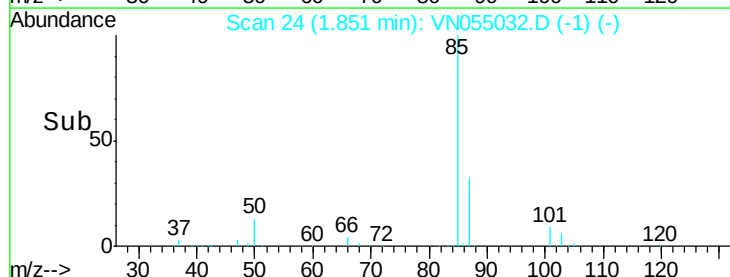
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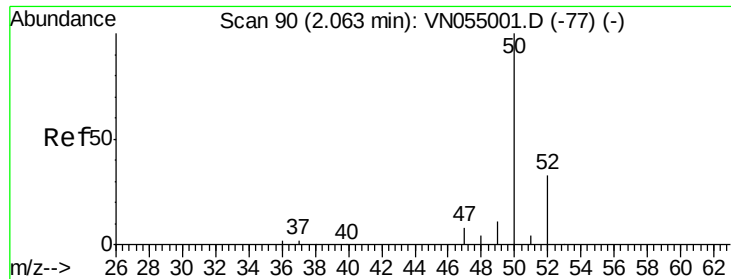
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 49.262 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 305041

Ion Ratio Lower Upper

50 100

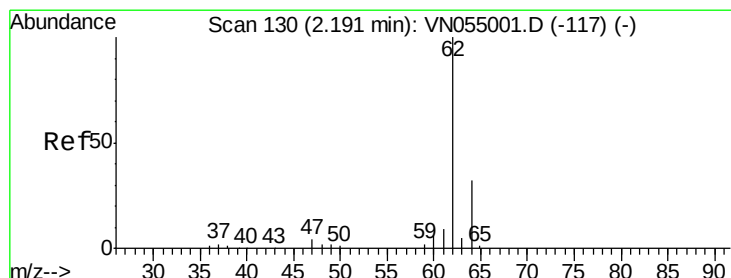
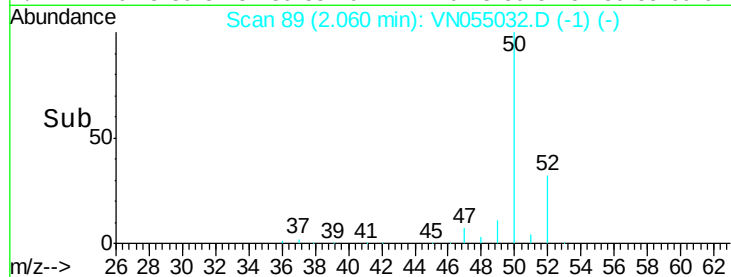
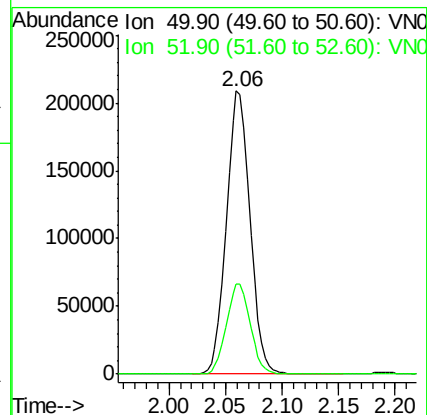
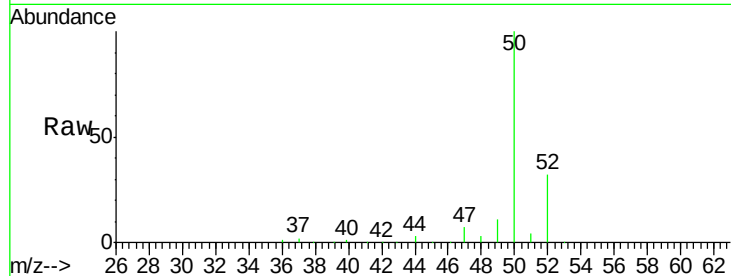
52 31.8 26.6 40.0

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#4

Vinyl Chloride

Concen: 49.706 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055032.D

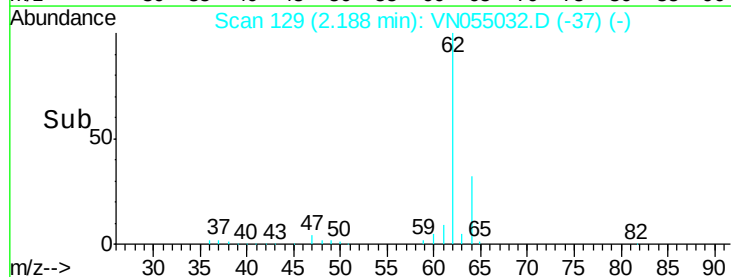
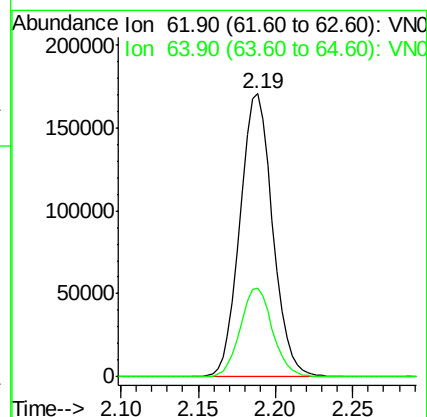
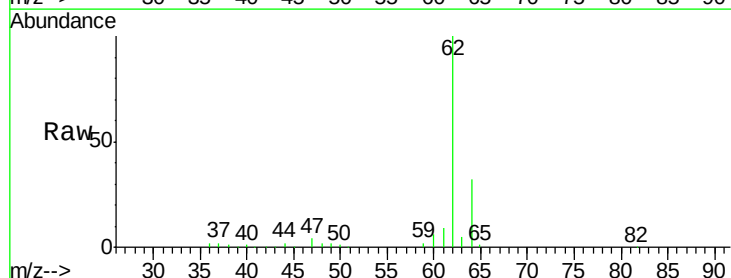
Acq: 13 Apr 2019 16:21

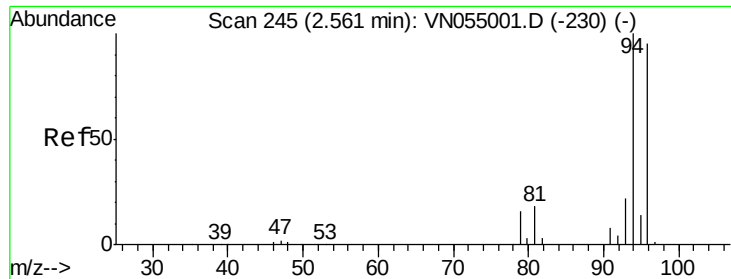
Tgt Ion: 62 Resp: 249759

Ion Ratio Lower Upper

62 100

64 31.5 25.8 38.6





#5

Bromomethane

Concen: 45.590 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.03 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 132609

Ion Ratio Lower Upper

94 100

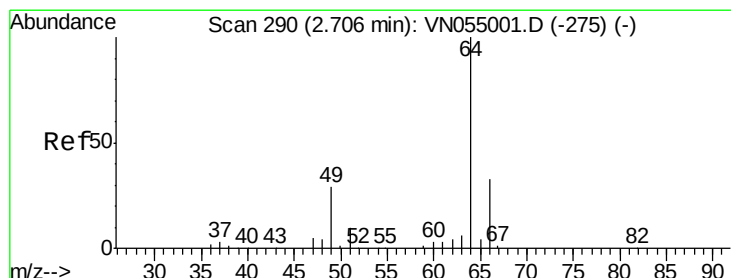
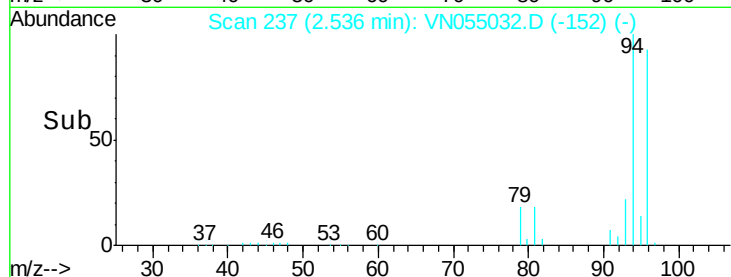
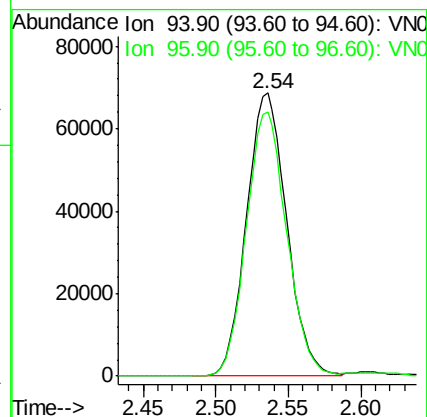
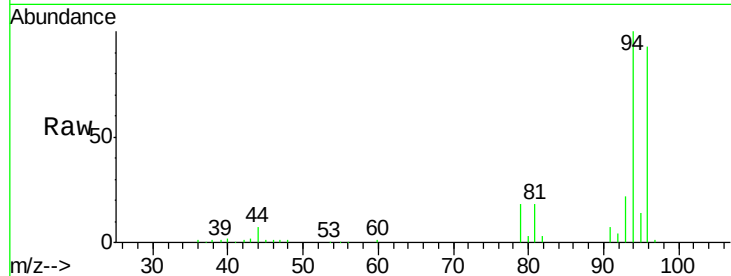
96 93.3 76.2 114.4

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#6

Chloroethane

Concen: 48.652 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.02 min

Lab File: VN055032.D

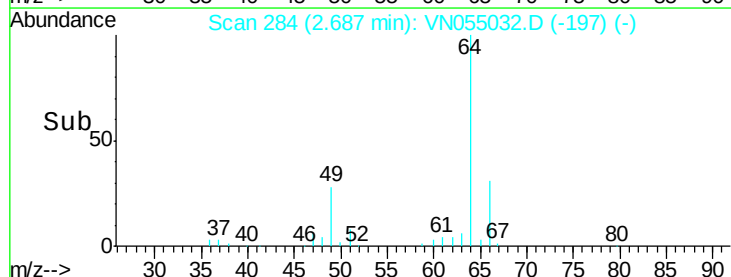
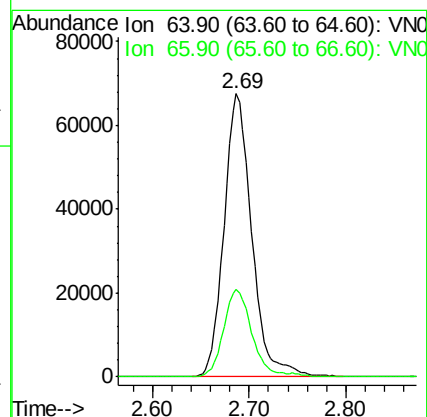
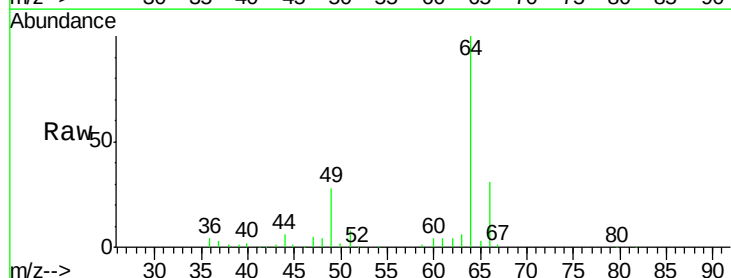
Acq: 13 Apr 2019 16:21

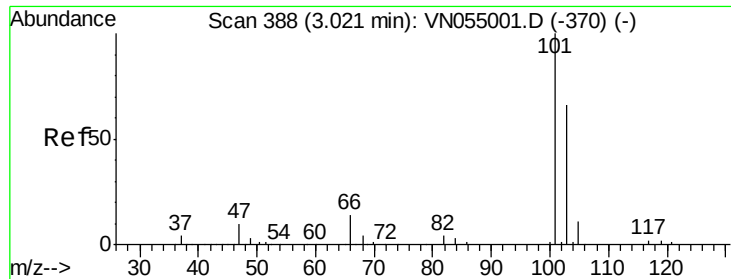
Tgt Ion: 64 Resp: 134816

Ion Ratio Lower Upper

64 100

66 30.8 26.6 40.0





#7

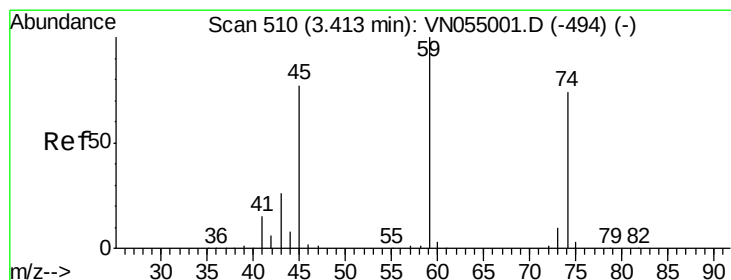
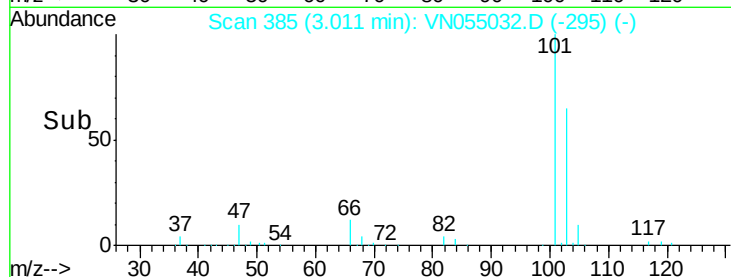
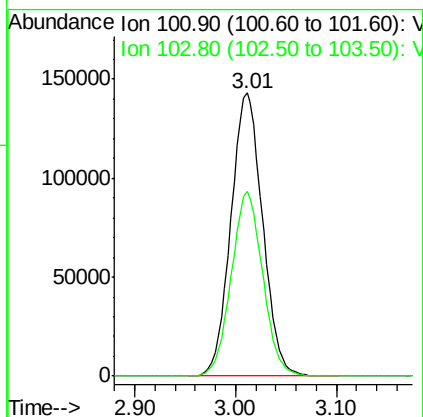
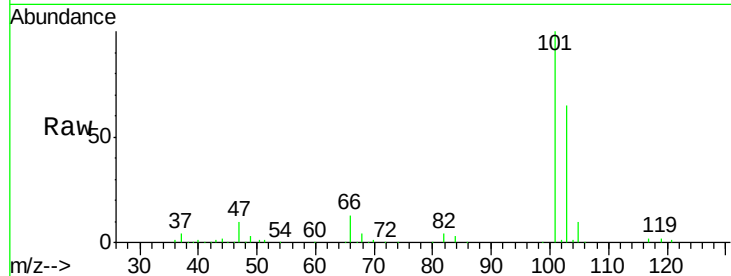
Trichlorofluoromethane
Concen: 49.500 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.01 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.5	78.7

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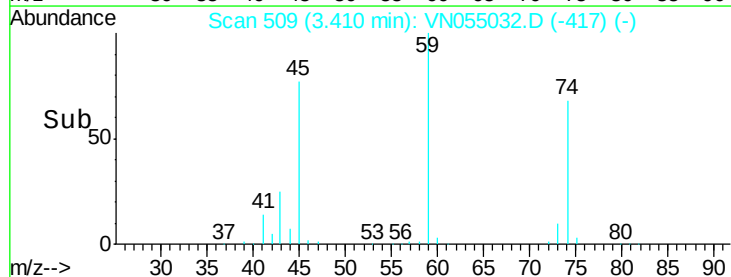
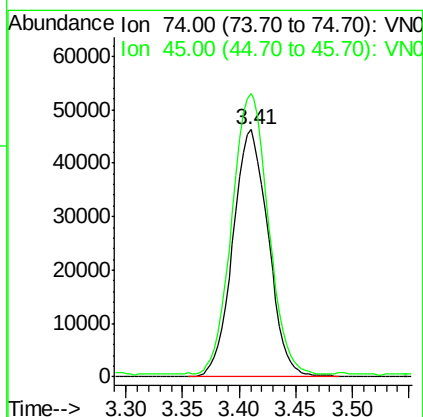
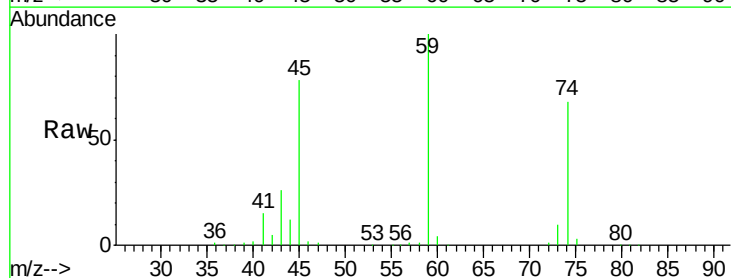
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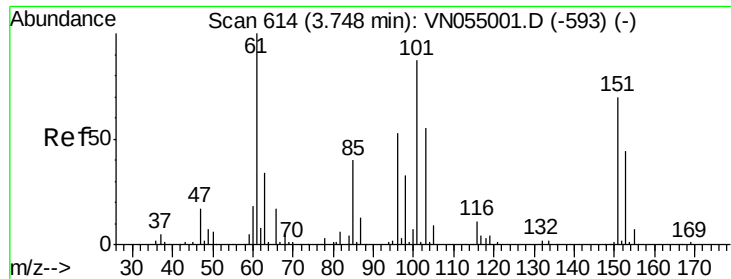


#8

Diethyl Ether
Concen: 50.940 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.2	55.7	167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.056 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.01 min

Lab File: VN055032.D

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Instrument :

MSVOA_N

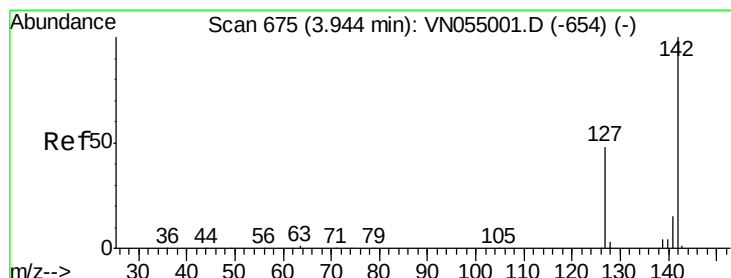
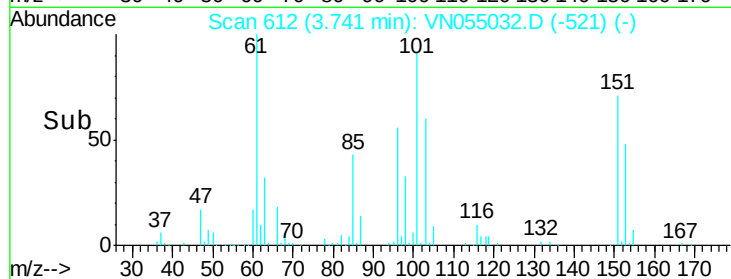
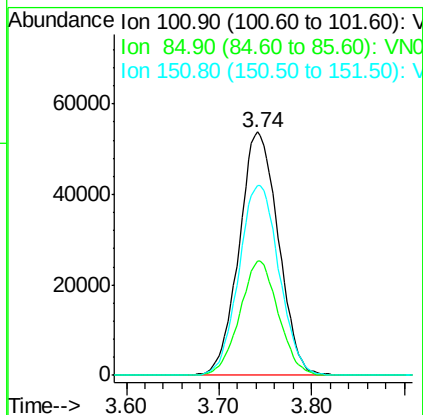
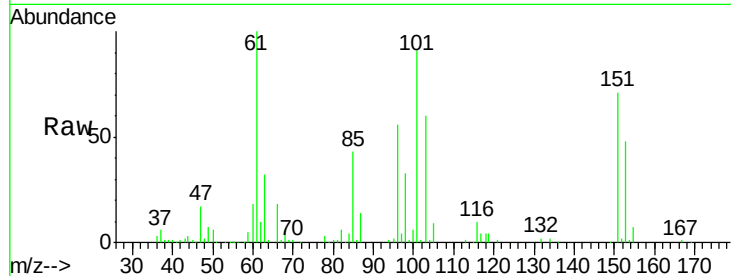
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	157980
Ion Ratio	Lower	Upper	
101	100		
85	46.2	36.9	55.3
151	80.0	64.4	96.6

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#10

Methyl Iodide

Concen: 50.734 ug/l

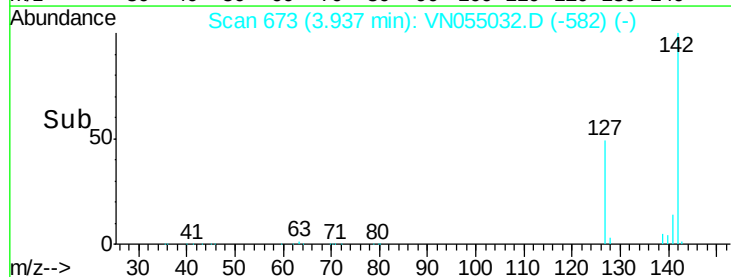
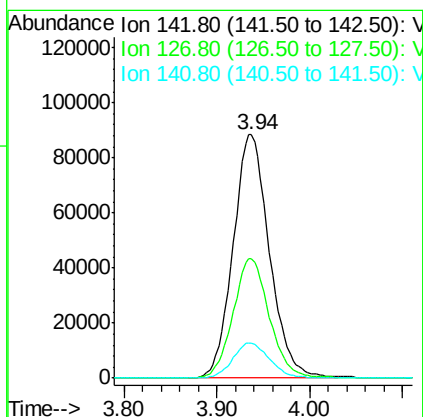
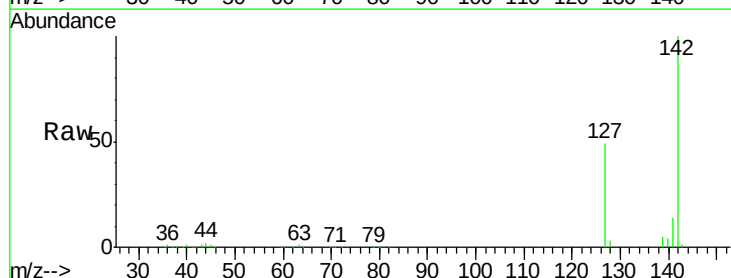
RT: 3.94 min Scan# 673

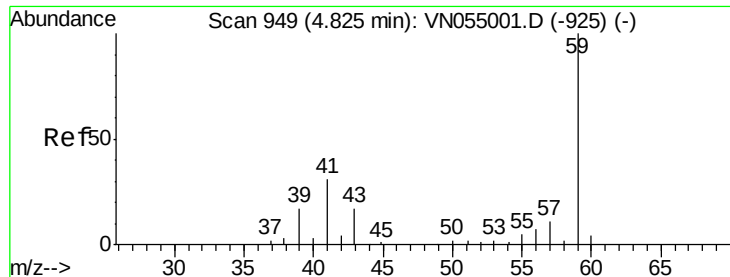
Delta R.T. -0.01 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Tgt Ion:	142	Resp:	240536
Ion Ratio	Lower	Upper	
142	100		
127	48.8	37.9	56.9
141	14.7	11.8	17.8





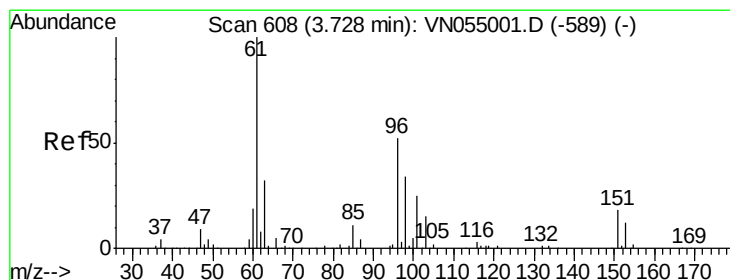
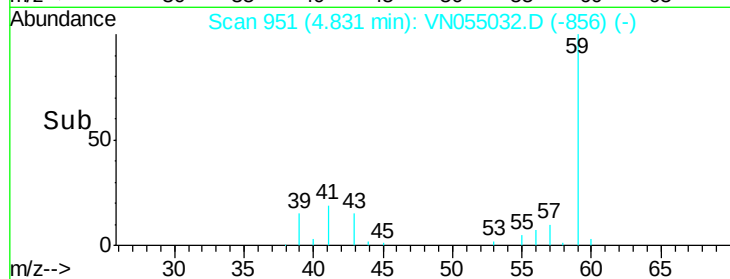
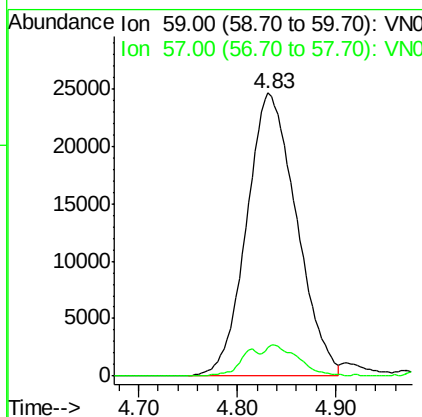
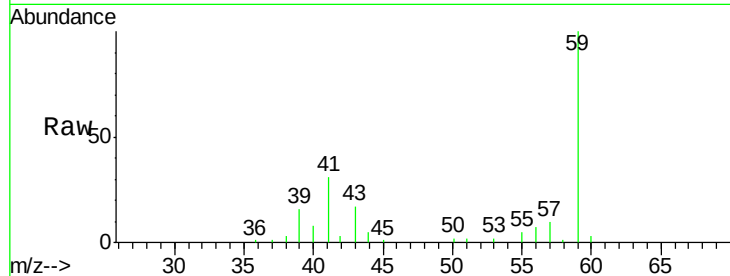
#11
Tert butyl alcohol
Concen: 266.522 ug/l
RT: 4.83 min Scan# 951
Delta R.T. 0.01 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Ratio	Lower	Upper
59	100			
57	7.4		8.3	12.5#

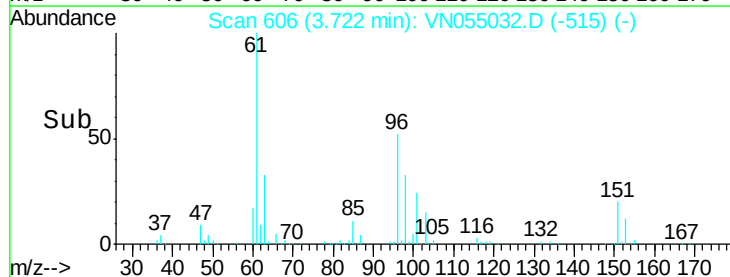
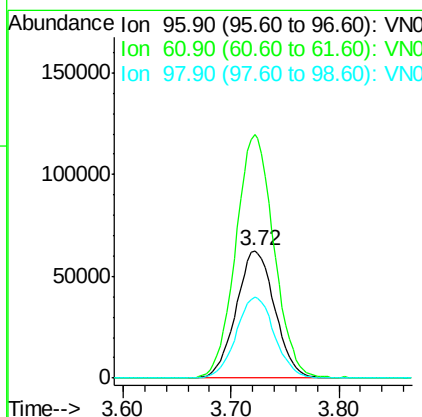
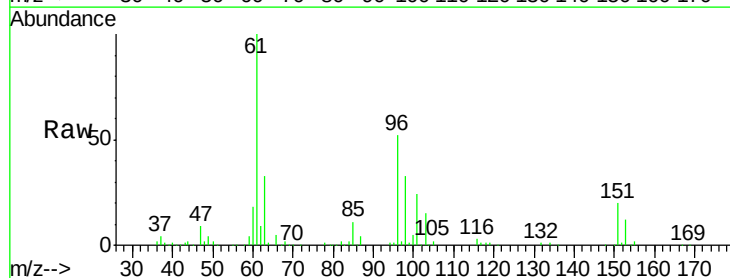
Manual Integrations
APPROVED

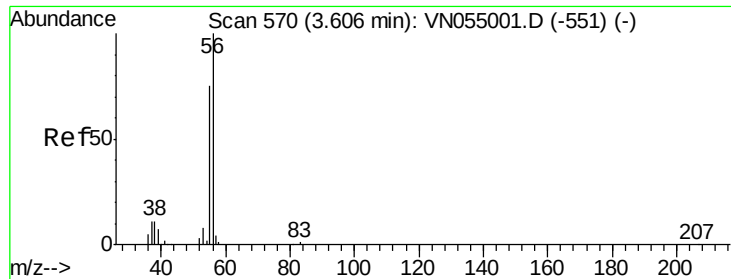
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.132 ug/l
RT: 3.72 min Scan# 606
Delta R.T. -0.01 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion	96	Ratio	Lower	Upper
96	100			
61	190.3		154.2	231.4
98	63.3		52.9	79.3





#13

Acrolein

Concen: 243.277 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 94928

Ion Ratio Lower Upper

56 100

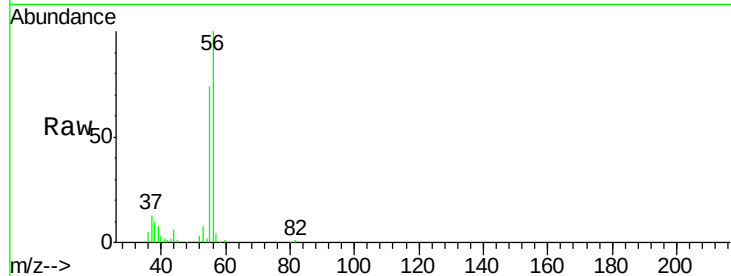
55 73.0 59.5 89.3

Manual Integrations

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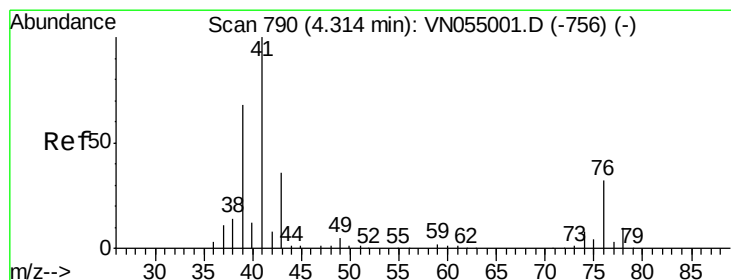
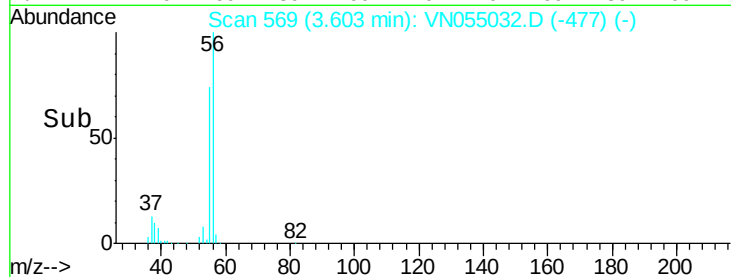
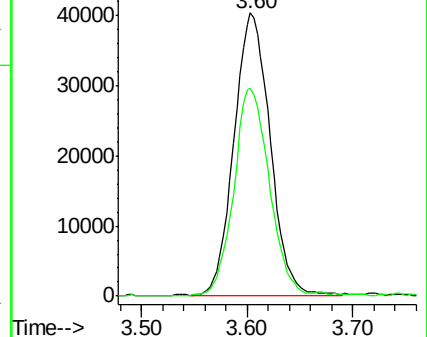
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 51.598 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

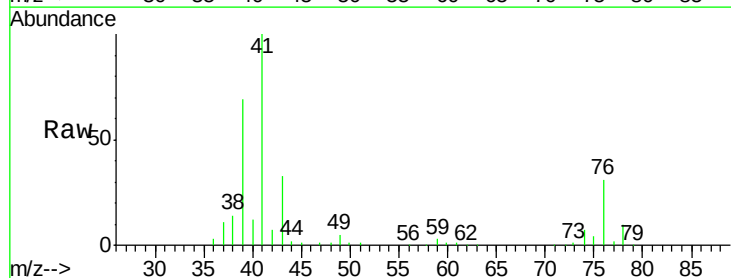
Tgt Ion: 41 Resp: 408050

Ion Ratio Lower Upper

41 100

39 66.5 52.7 79.1

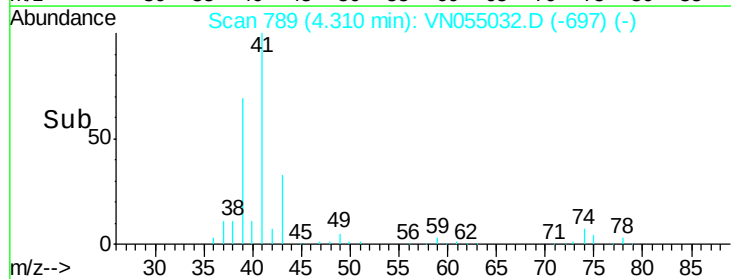
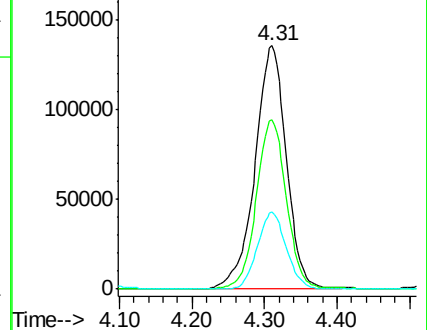
76 29.1 23.2 34.8

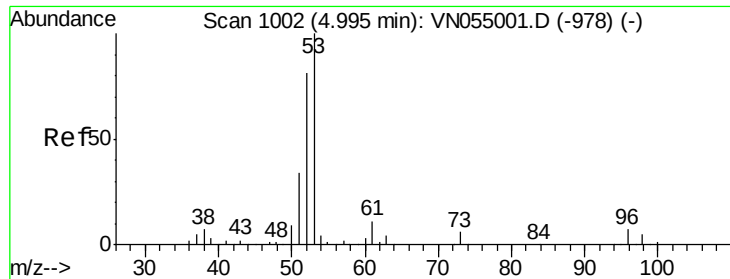


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





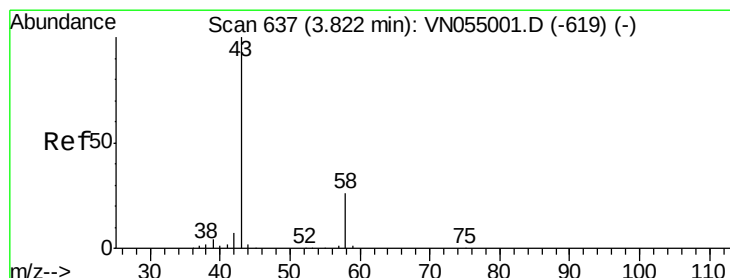
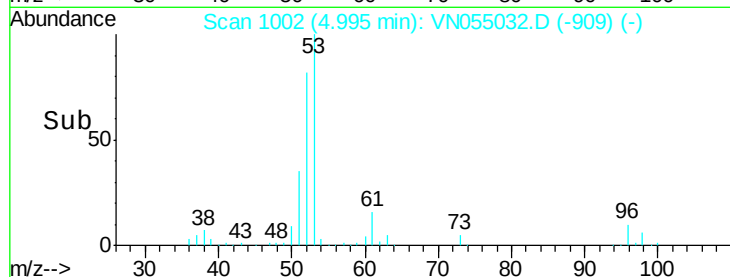
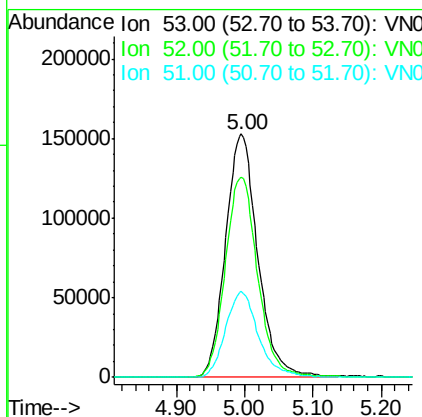
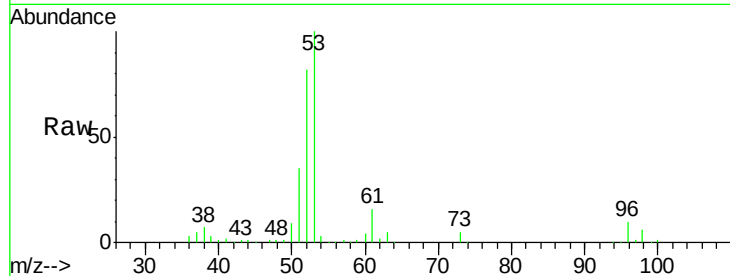
#15
 Acrylonitrile
 Concen: 281.482 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.9	98.9
51	36.0	29.7	44.5

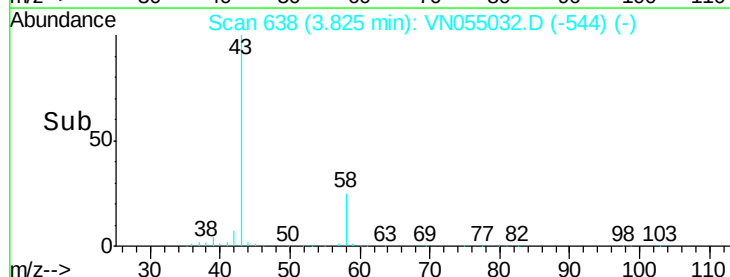
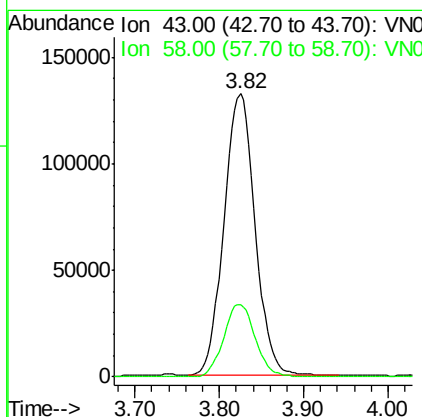
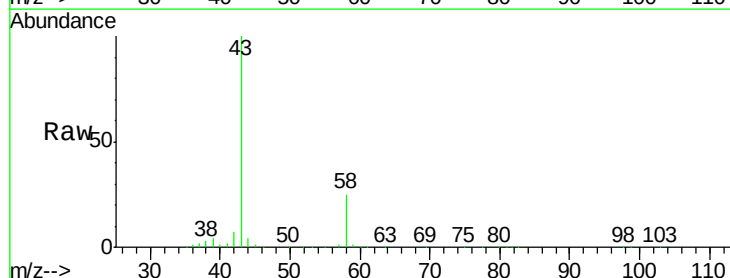
Manual Integrations
 APPROVED

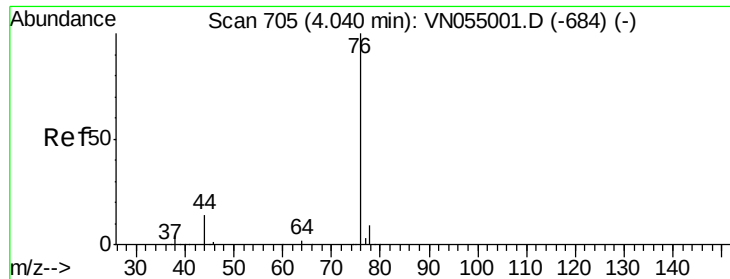
MMDadoda
 4/17/2019 10:04:22 AM



#16
 Acetone
 Concen: 234.999 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	25.5	20.9	31.3





#17

Carbon Disulfide

Concen: 45.572 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 480426

Ion Ratio Lower Upper

76 100

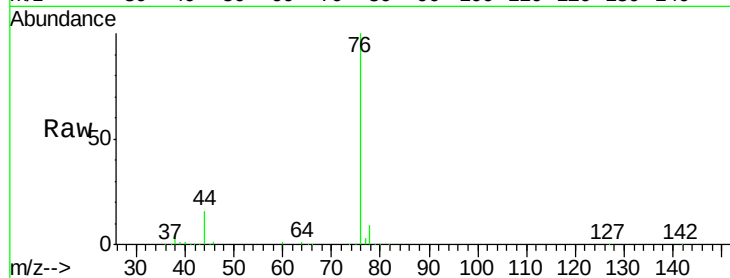
78 9.1 7.2 10.8

Manual Integrations

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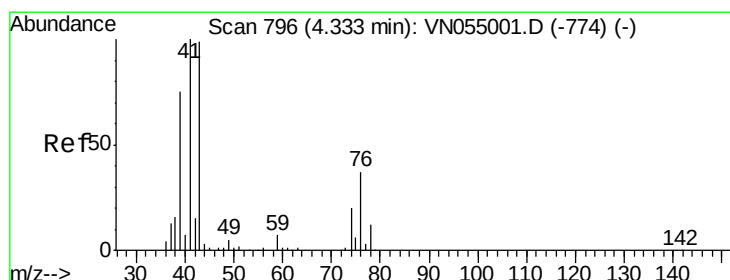
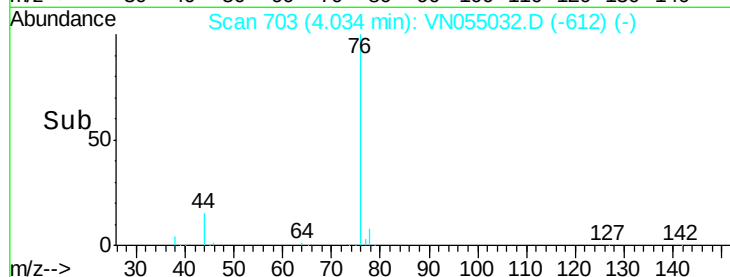
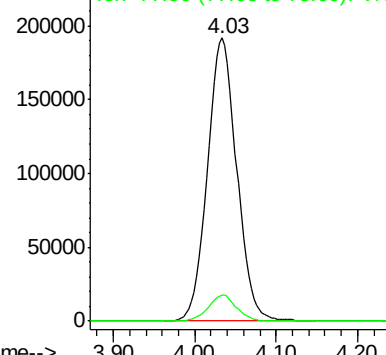
MMDadoda

4/17/2019 10:04:22 AM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 52.951 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN055032.D

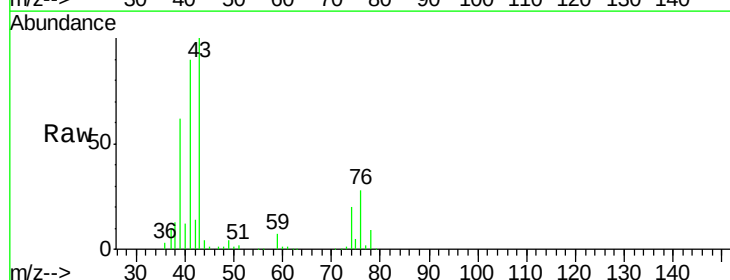
Acq: 13 Apr 2019 16:21

Tgt Ion: 43 Resp: 236886

Ion Ratio Lower Upper

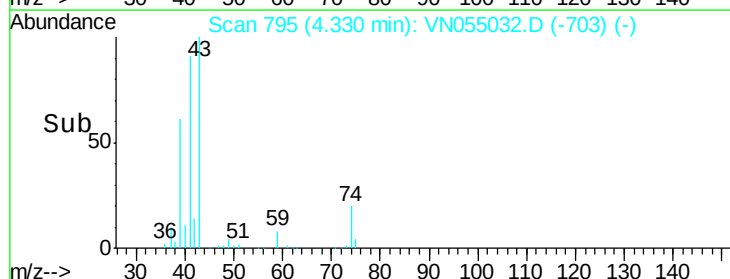
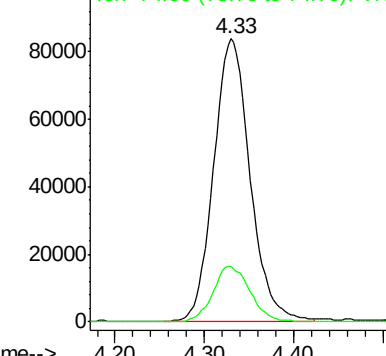
43 100

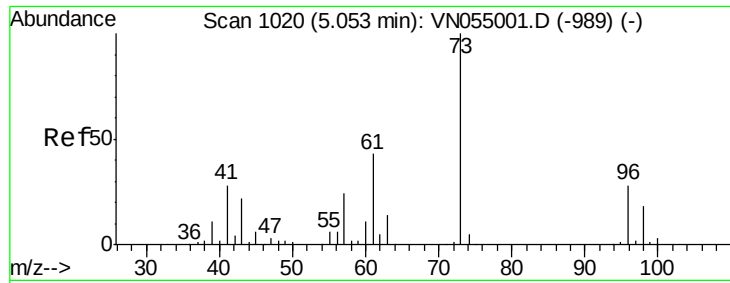
74 20.3 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





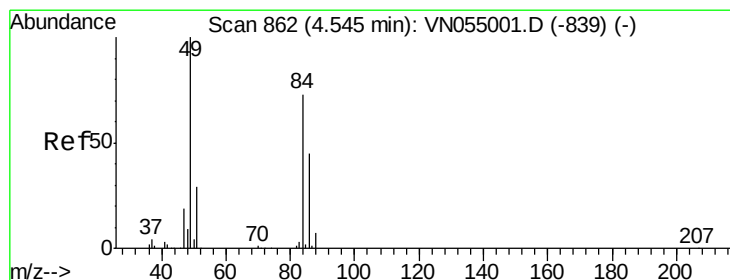
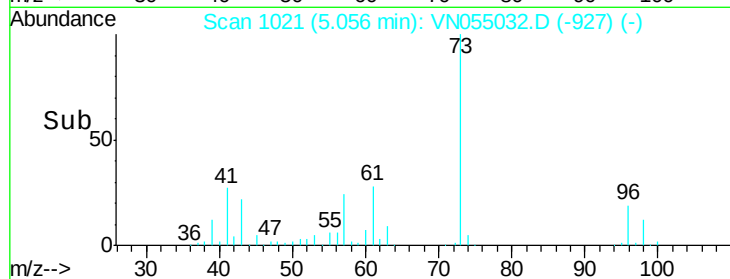
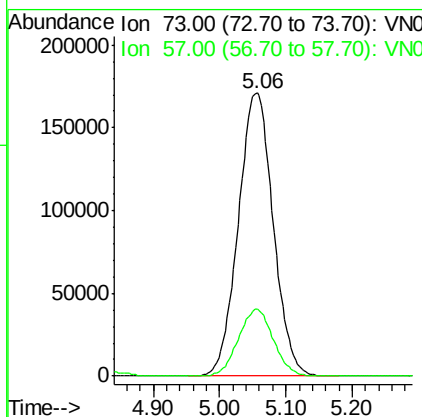
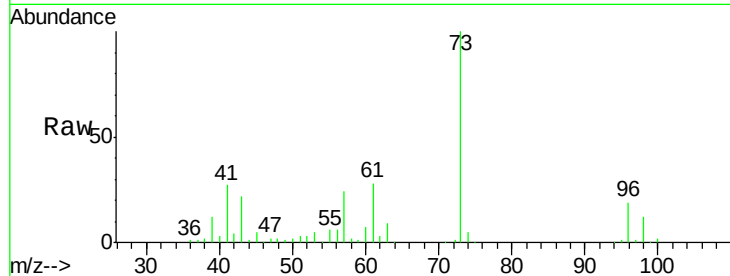
#19
Methyl tert-butyl Ether
Concen: 54.112 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 625771
Ion Ratio Lower Upper
73 100
57 23.5 19.0 28.4

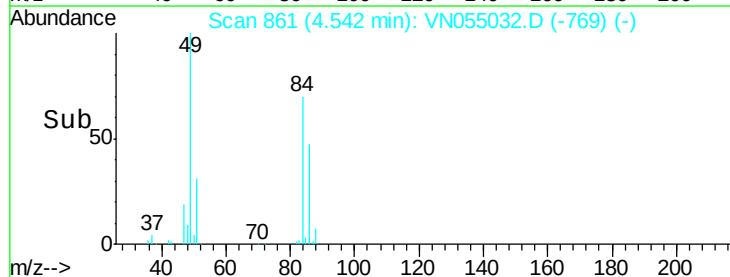
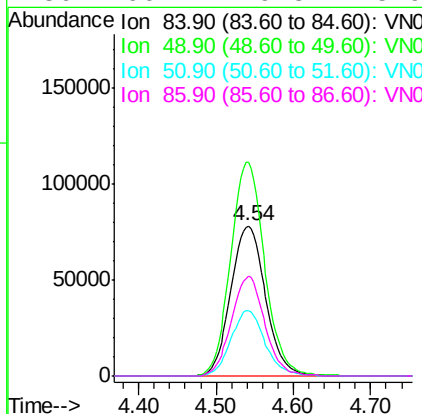
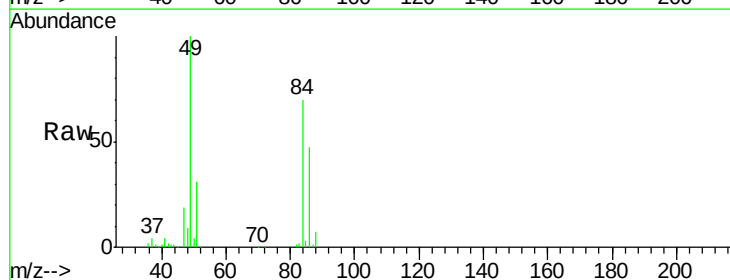
Manual Integrations
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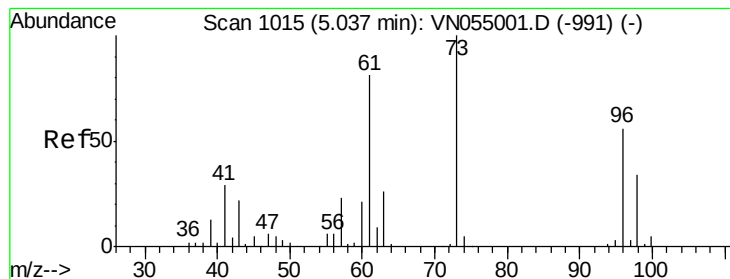
MMDadoda
4/17/2019 10:04:22 AM



#20
Methylene Chloride
Concen: 52.151 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion: 84 Resp: 243987
Ion Ratio Lower Upper
84 100
49 142.5 109.4 164.2
51 43.8 32.2 48.4
86 66.4 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 50.994 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 217428

Ion Ratio Lower Upper

96 100

61 152.5 114.9 172.3

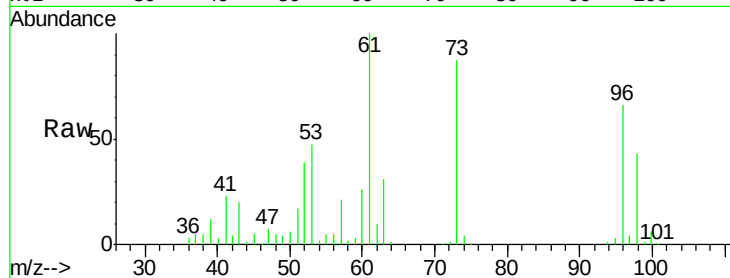
98 65.0 48.4 72.6

Manual Integrations

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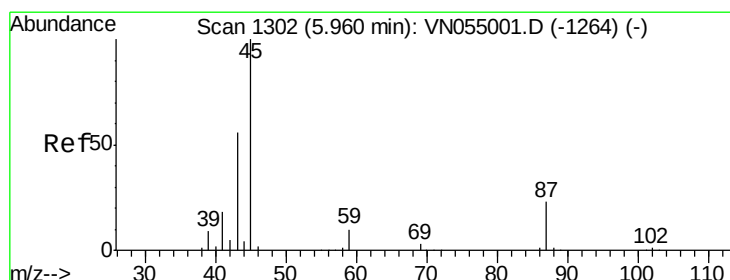
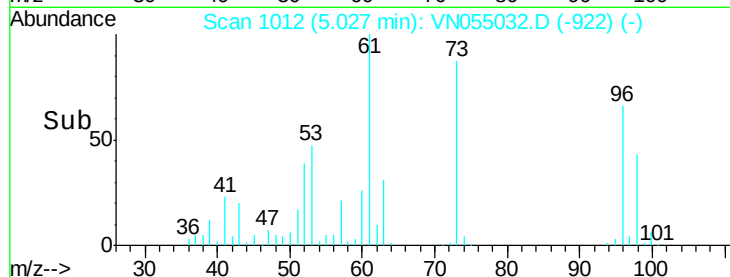
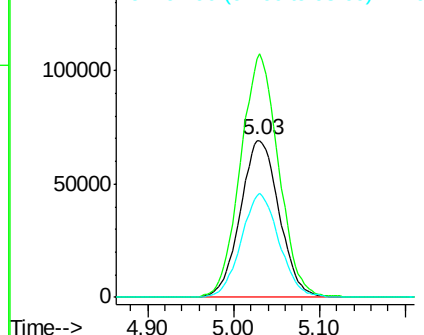


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 53.419 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Tgt Ion: 45 Resp: 856540

Ion Ratio Lower Upper

45 100

43 55.5 44.8 67.2

87 23.1 18.9 28.3

59 10.4 7.9 11.9

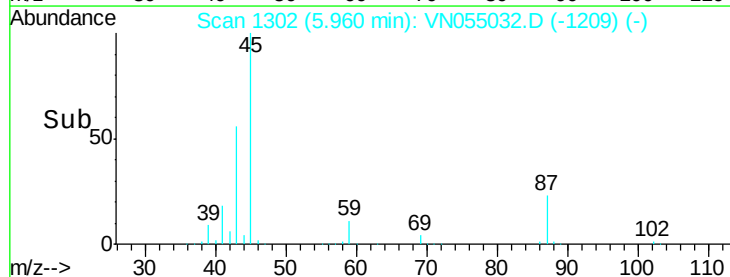
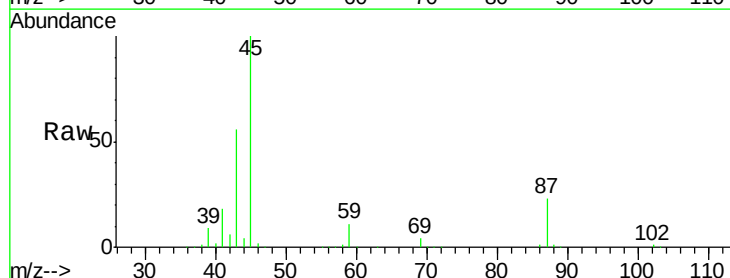
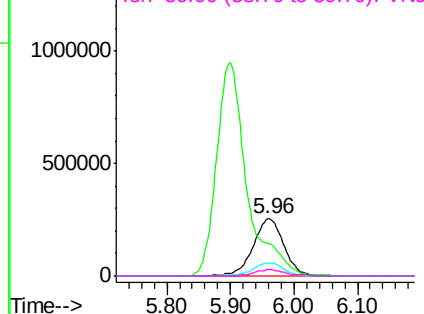
Abundance

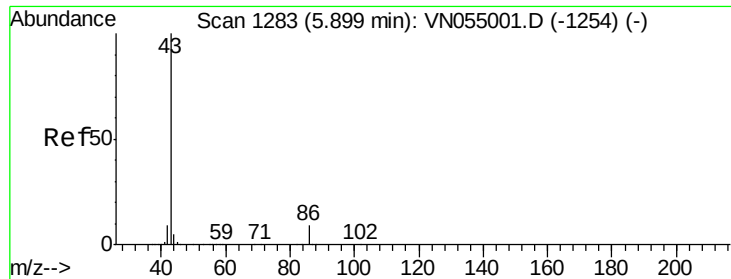
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 280.991 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 3151258

Ion Ratio Lower Upper

43 100

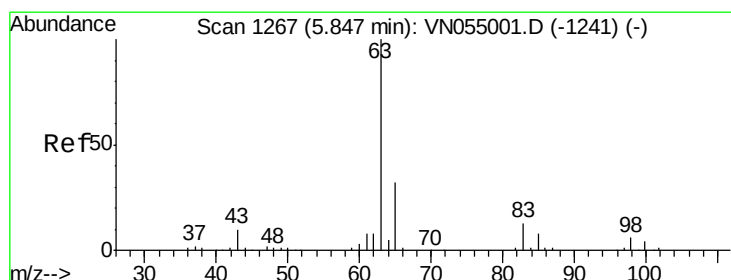
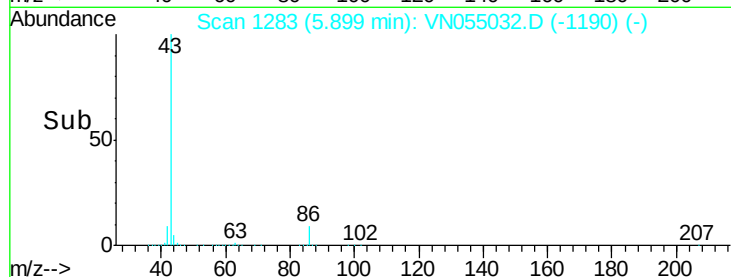
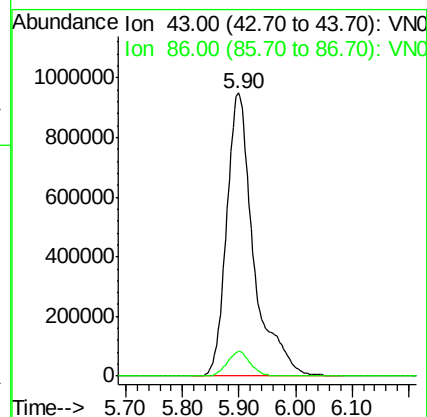
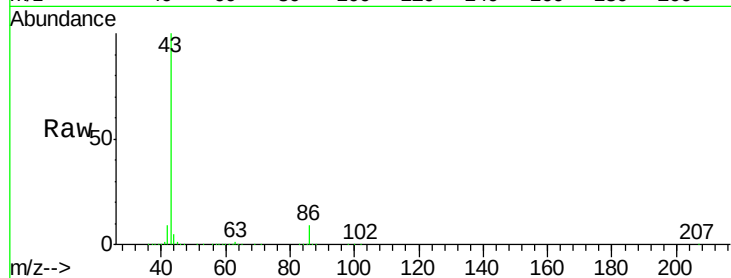
86 8.6 7.0 10.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.870 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

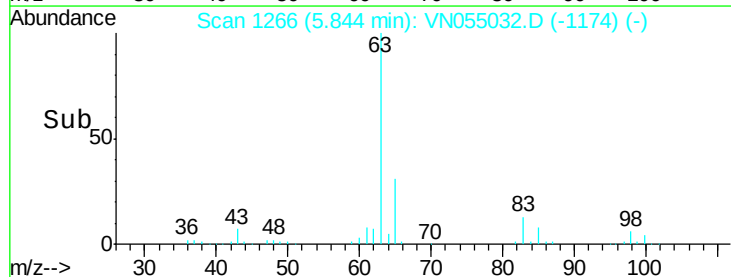
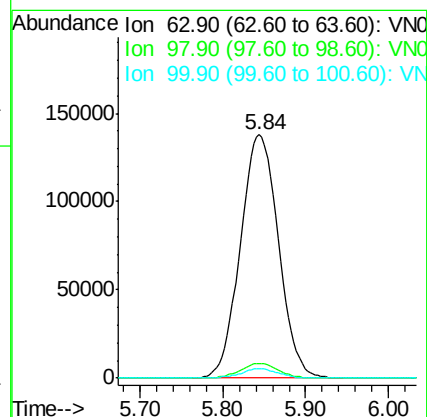
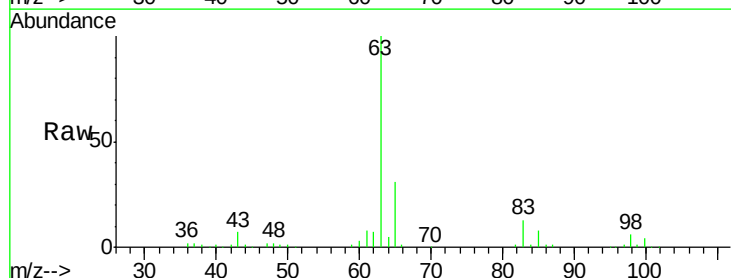
Tgt Ion: 63 Resp: 440537

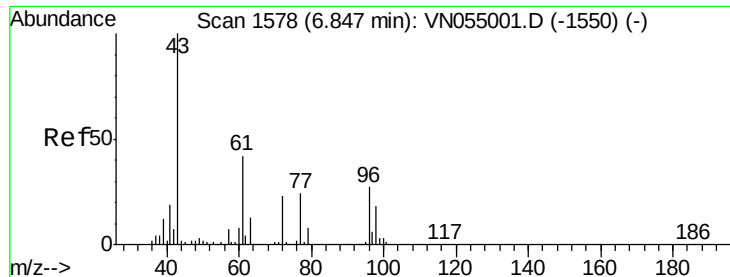
Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

100 4.0 2.0 5.8





#25

2-Butanone

Concen: 283.038 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 629122

Ion Ratio Lower Upper

43 100

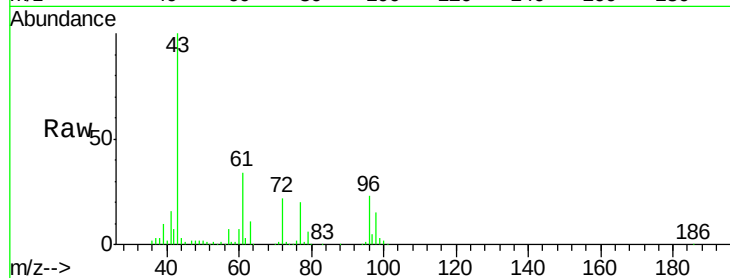
72 21.7 18.1 27.1

Manual Integrations

APPROVED

MMDadoda

4/17/2019 10:04:22 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

250000

200000

150000

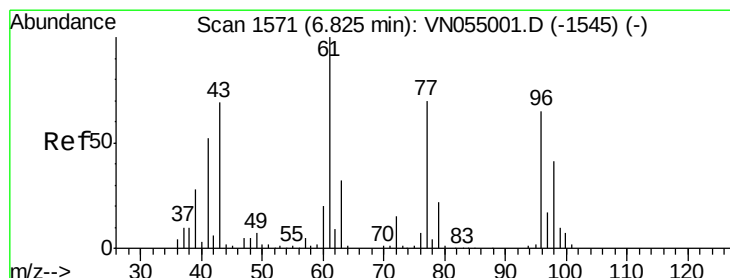
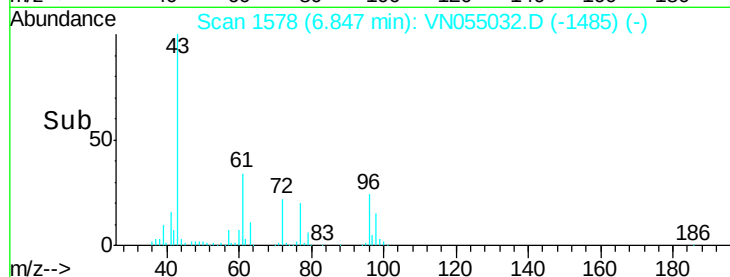
100000

50000

0

6.70 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 47.359 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055032.D

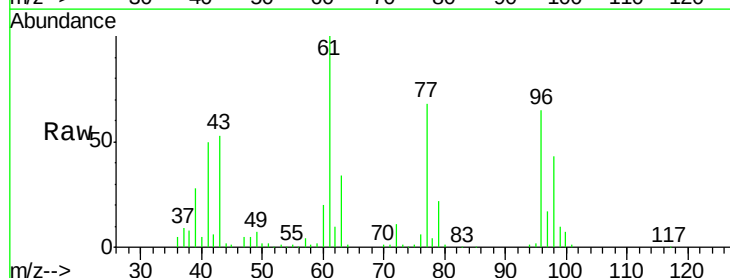
Acq: 13 Apr 2019 16:21

Tgt Ion: 77 Resp: 271334

Ion Ratio Lower Upper

77 100

97 24.0 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

100000

80000

60000

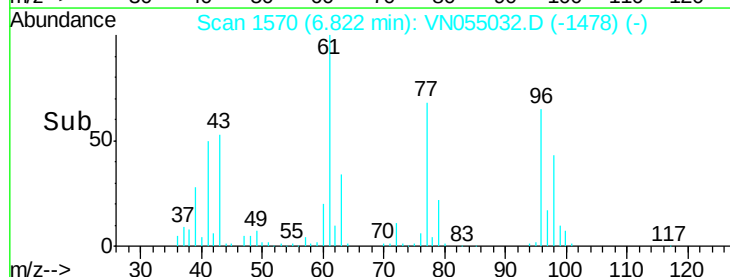
40000

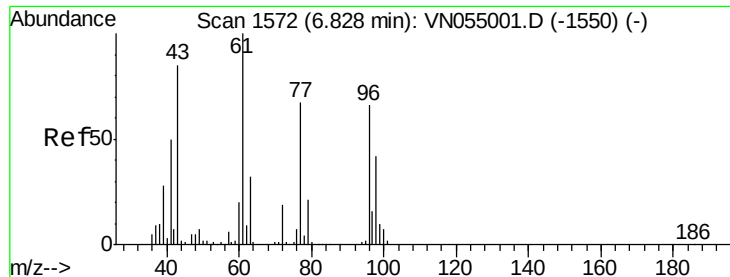
20000

0

6.70 6.80 6.82 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.169 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

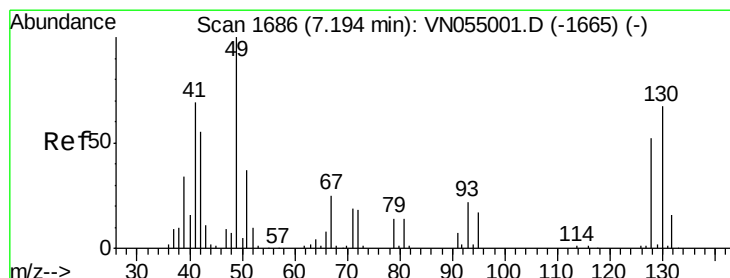
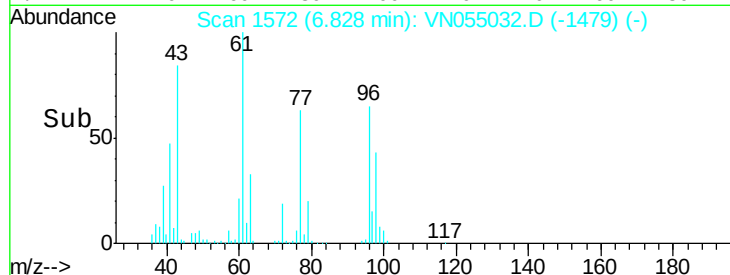
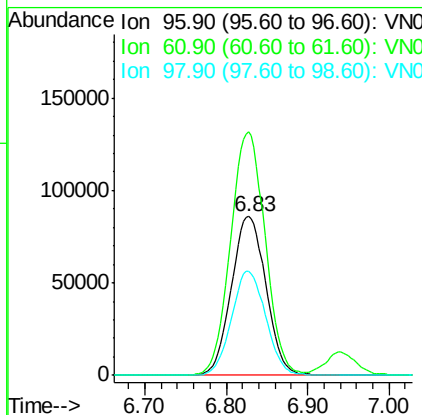
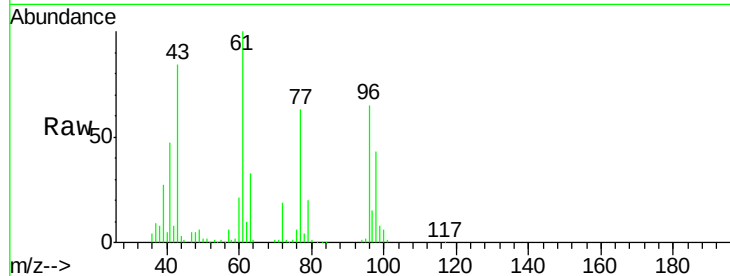
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	253455
Ion Ratio	Lower	Upper	
96	100		
61	153.4	0.0	311.0
98	64.9	0.0	127.4

Manual Integrations
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4/17/2019 10:04:22 AM



#28

Bromochloromethane

Concen: 51.799 ug/l

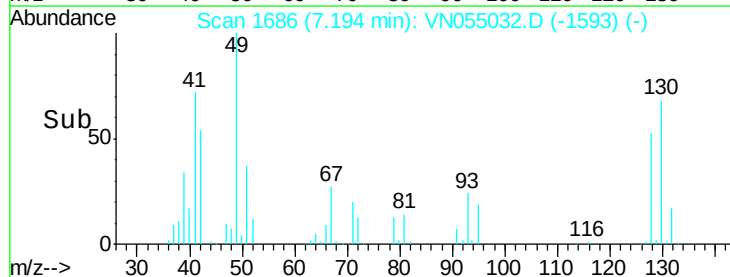
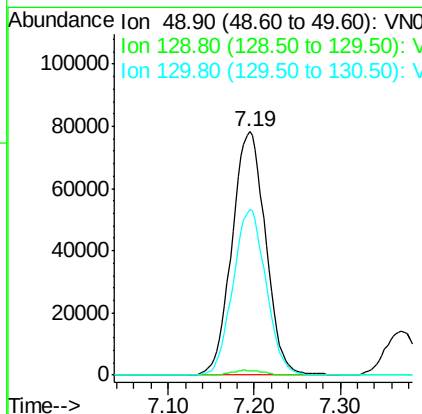
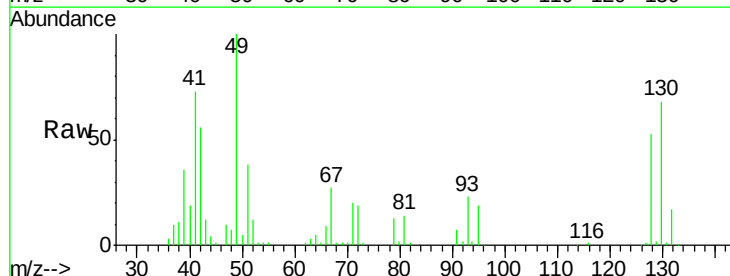
RT: 7.19 min Scan# 1686

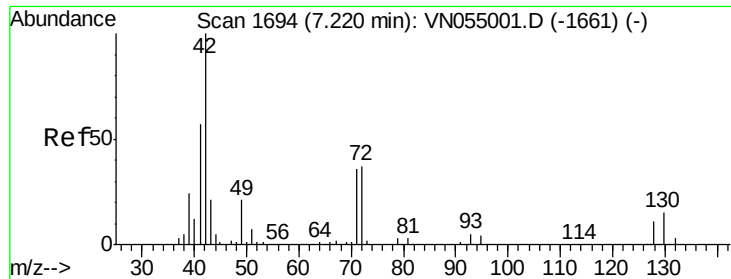
Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Tgt Ion:	49	Resp:	212832
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	2.0
130	66.7	53.4	80.2





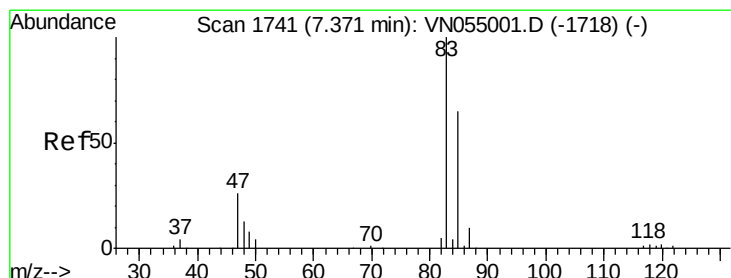
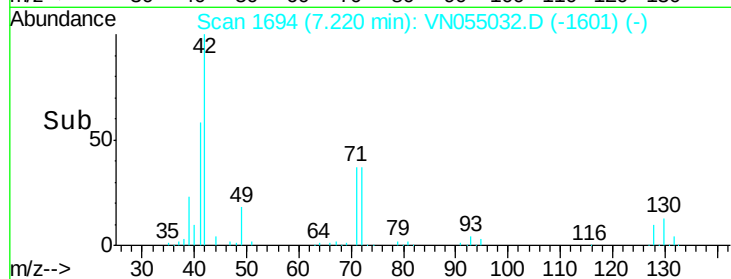
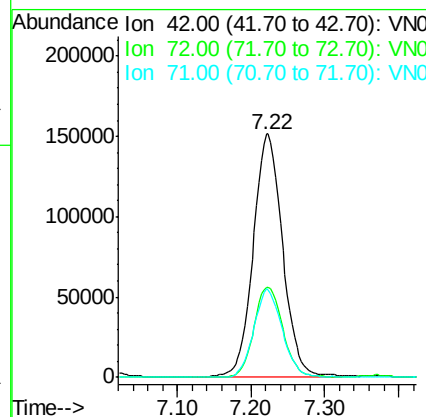
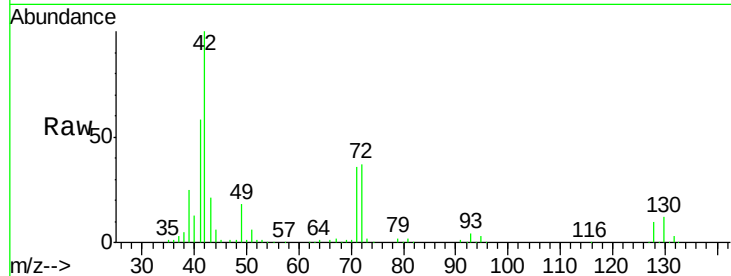
#29
Tetrahydrofuran
Concen: 287.903 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	29.4	44.0
71	35.2	27.8	41.6

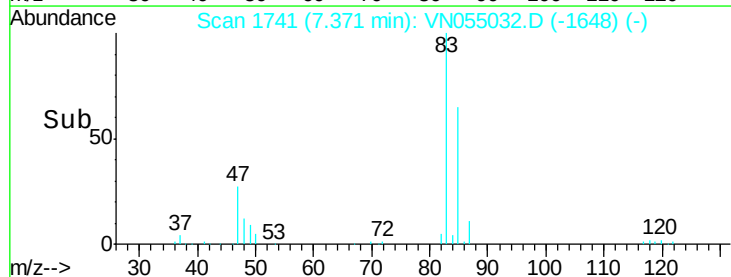
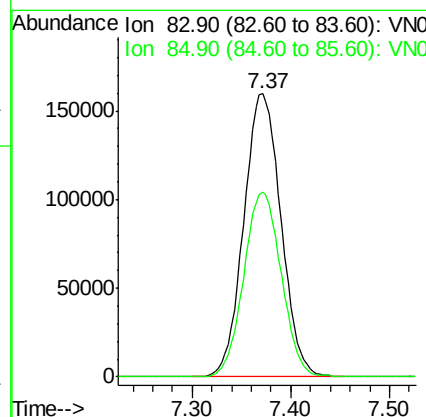
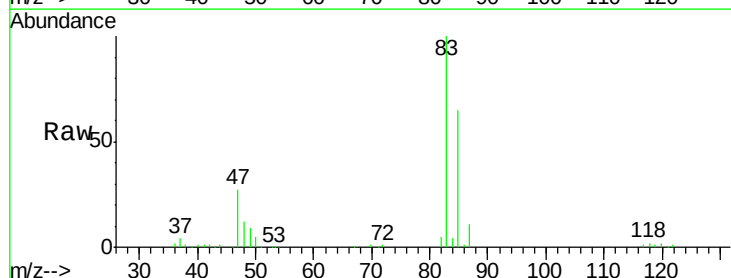
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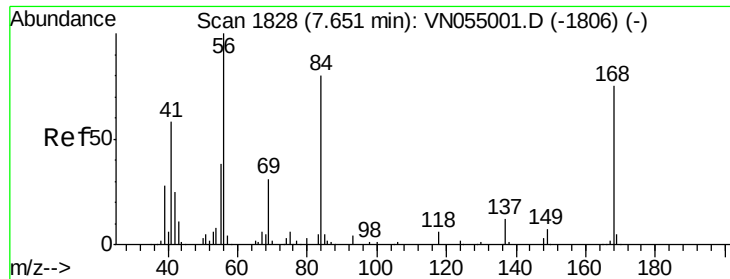
MMDadoda
4/17/2019 10:04:22 AM



#30
Chloroform
Concen: 50.438 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6





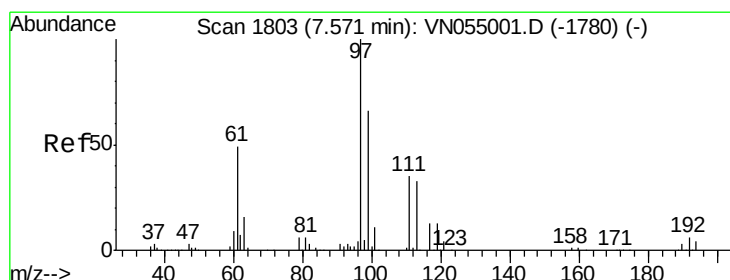
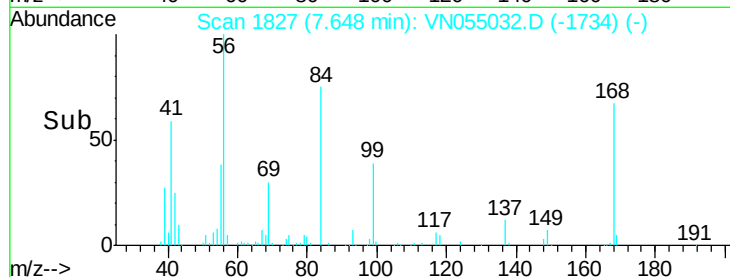
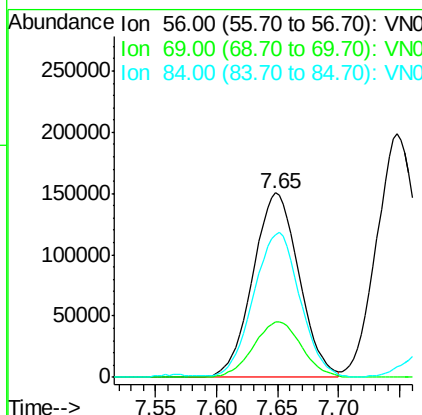
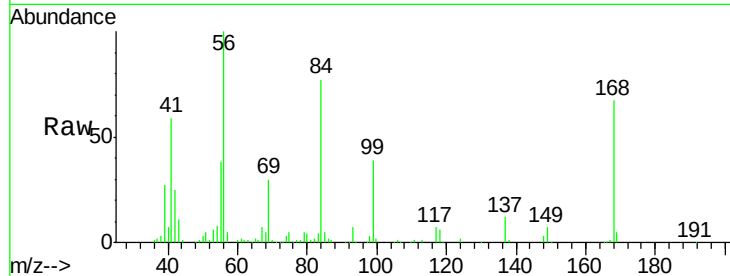
#31
Cyclohexane
Concen: 49.377 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.5	36.7
84	76.2	62.9	94.3

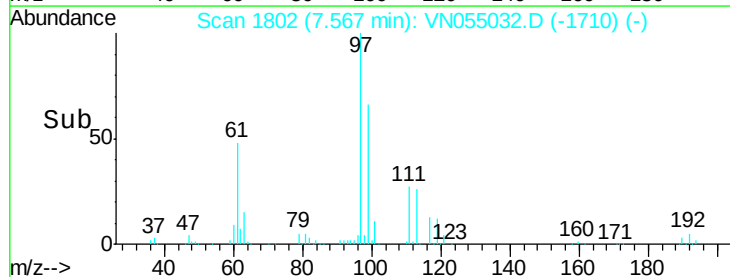
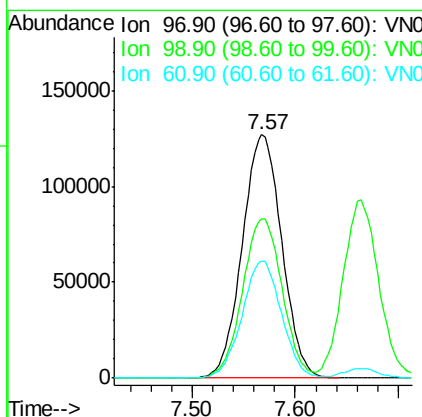
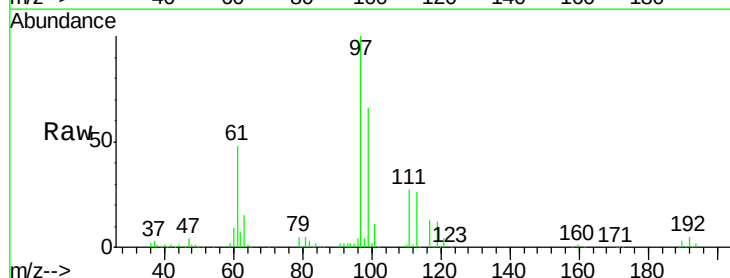
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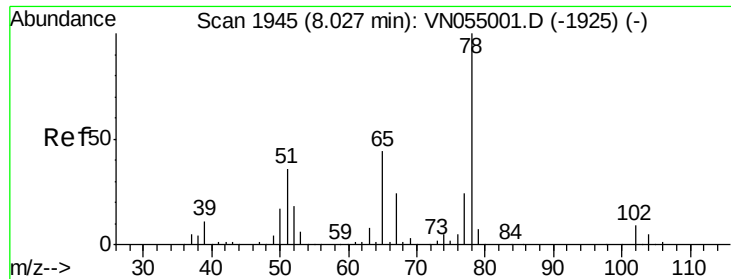
MMDadoda
4/17/2019 10:04:22 AM



#32
1,1,1-Trichloroethane
Concen: 51.433 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.6	77.4
61	47.9	38.3	57.5





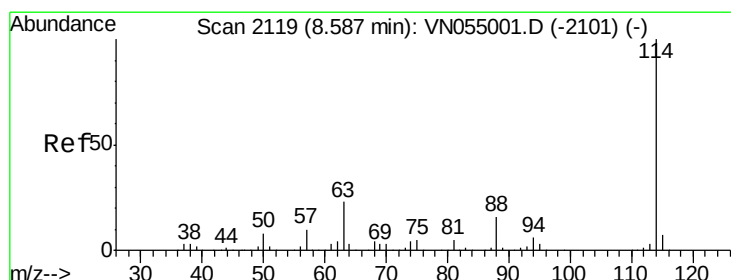
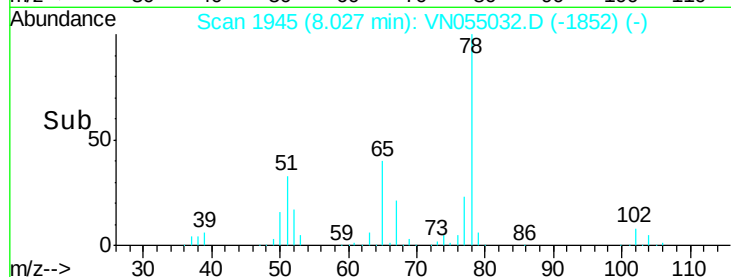
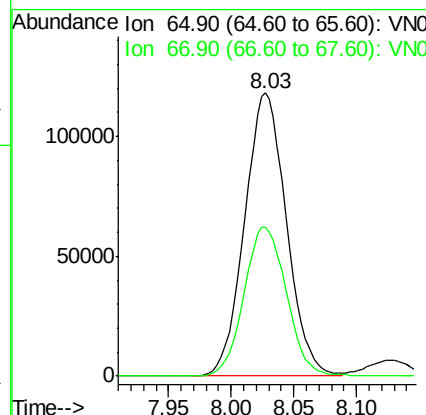
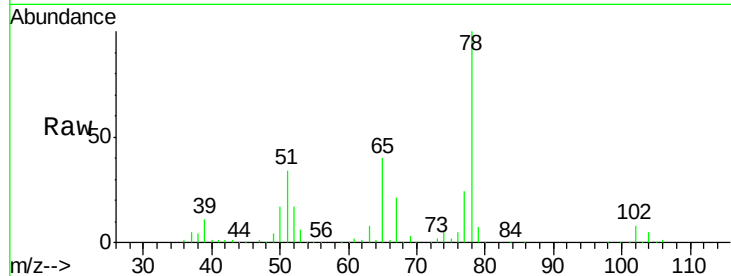
#33
 1,2-Dichloroethane-d4
 Concen: 52.134 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	273887		
67	53.5	0.0	106.4	

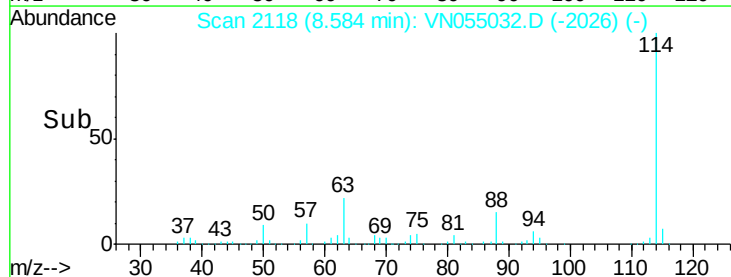
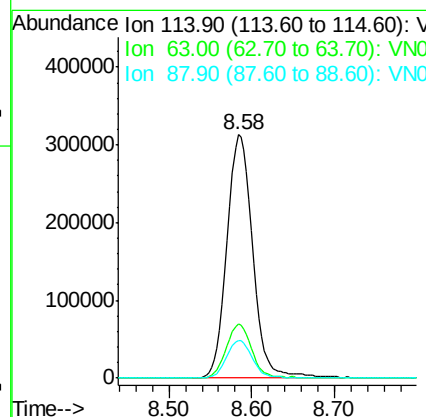
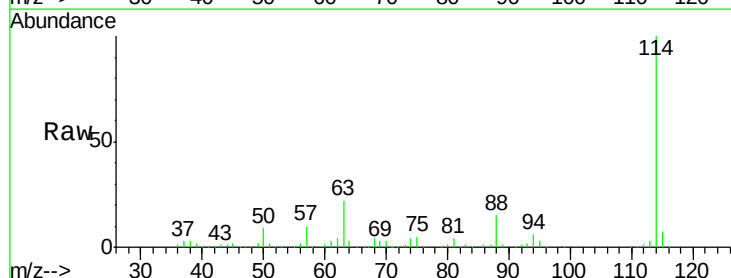
Manual Integrations
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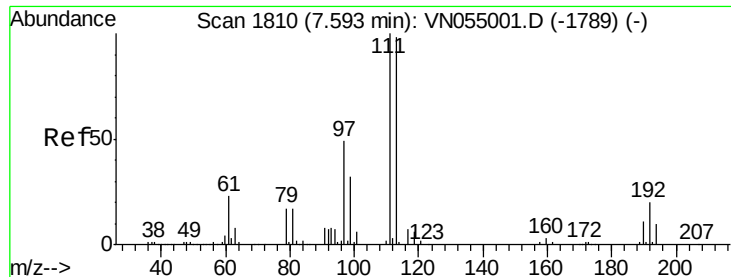
MMDadoda
 4/17/2019 10:04:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	680109		
63	22.2	0.0	45.2	
88	15.5	0.0	31.8	





#35

Dibromofluoromethane

Concen: 50.761 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

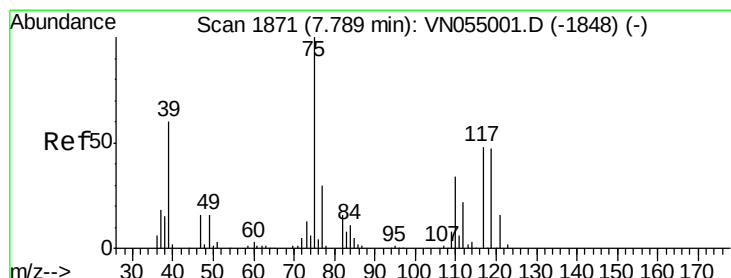
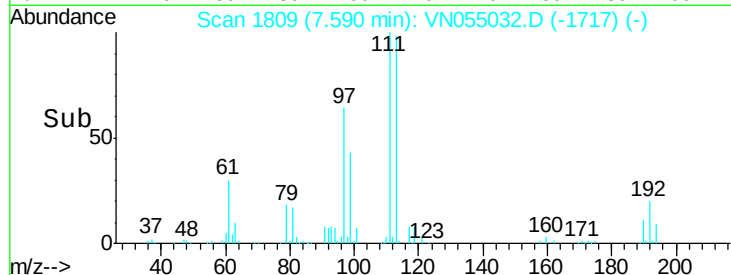
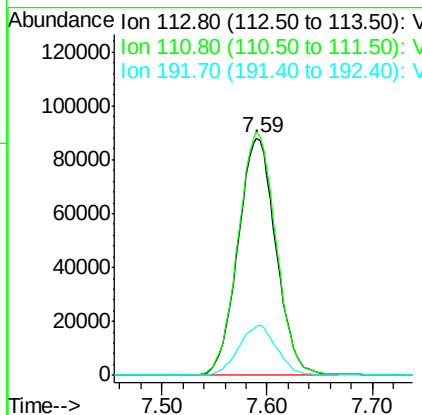
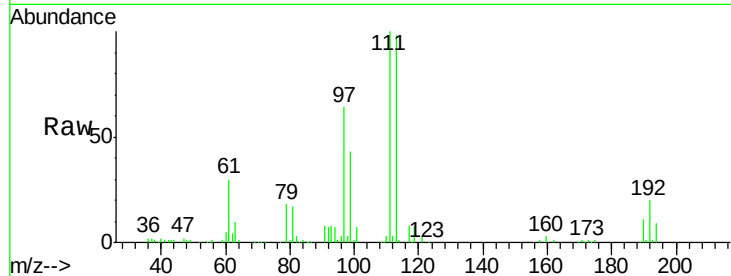
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	220075
Ion Ratio	Lower	Upper	
113	100		
111	102.7	82.1	123.1
192	21.0	16.5	24.7

Manual Integrations
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4/17/2019 10:04:22 AM



#36

1,1-Dichloropropene

Concen: 49.598 ug/l

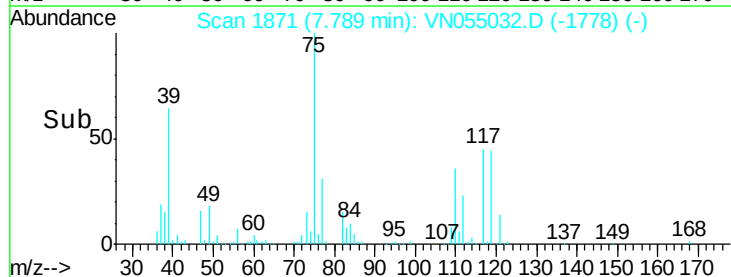
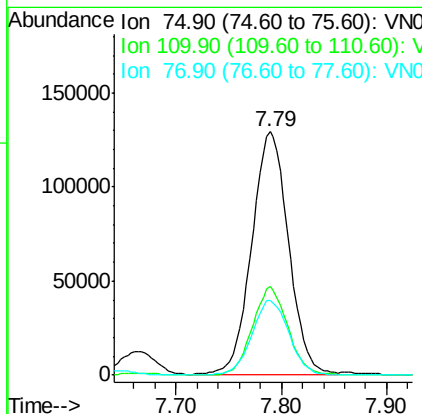
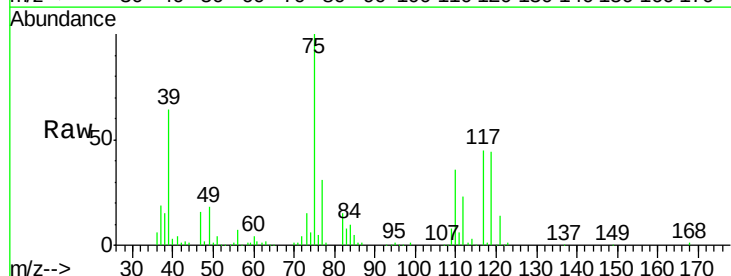
RT: 7.79 min Scan# 1871

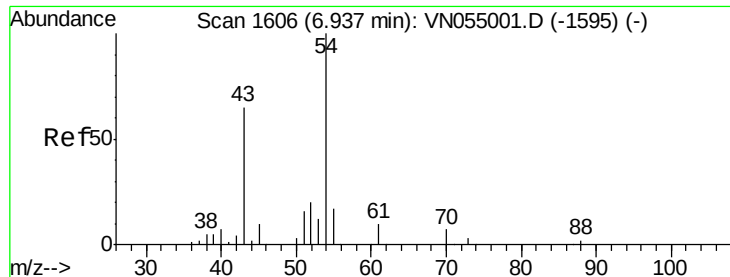
Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Tgt Ion:	75	Resp:	311751
Ion Ratio	Lower	Upper	
75	100		
110	35.1	17.5	52.5
77	31.3	24.9	37.3





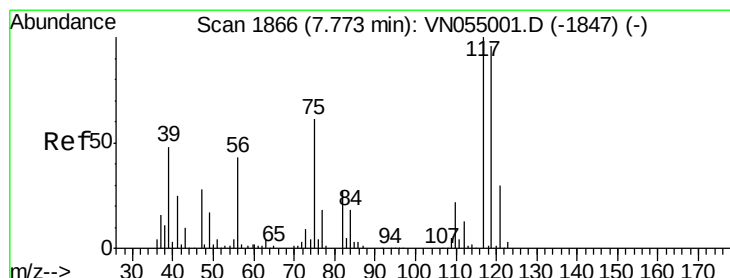
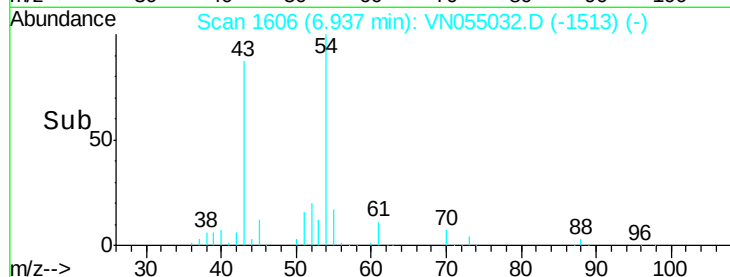
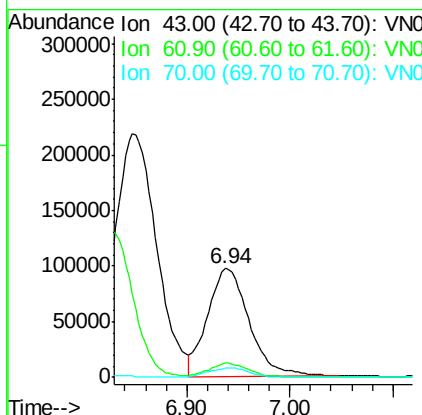
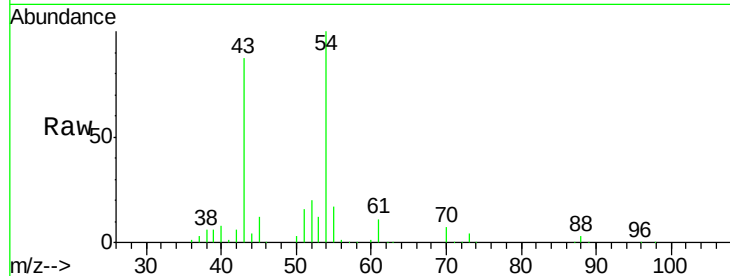
#37
Ethyl Acetate
Concen: 57.322 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	10.0	15.0
70	8.8	7.1	10.7

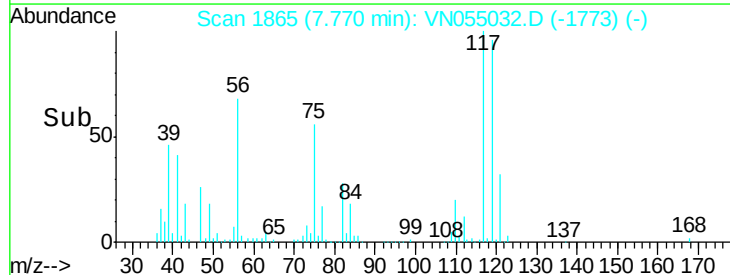
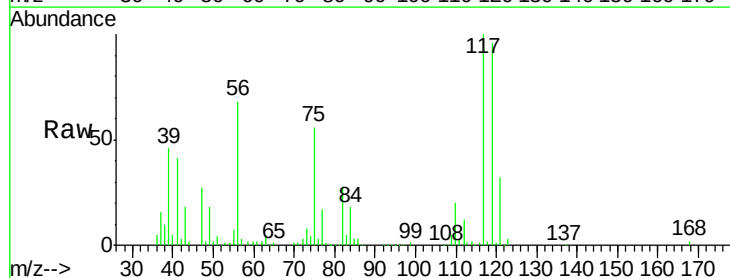
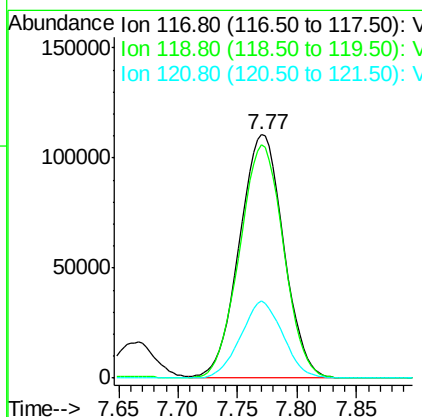
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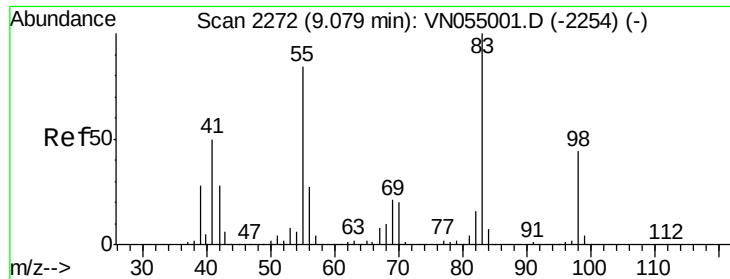
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4/17/2019 10:04:22 AM



#38
Carbon Tetrachloride
Concen: 47.948 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.3	114.5
121	31.7	23.9	35.9





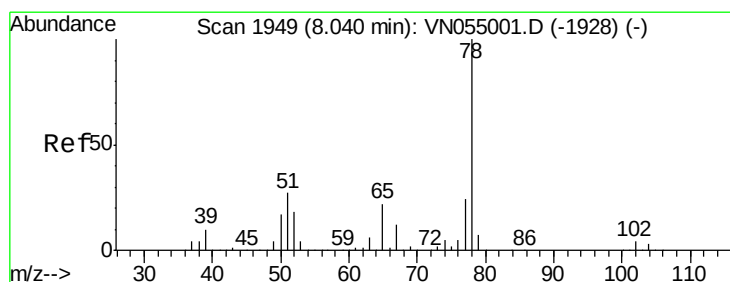
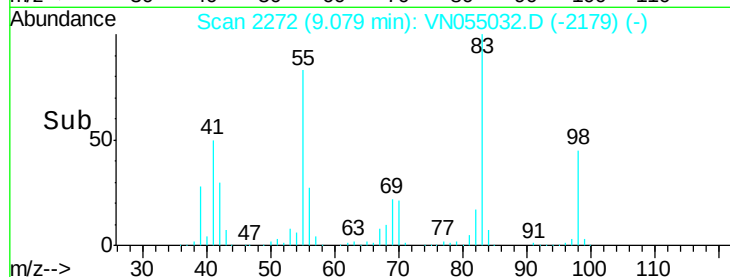
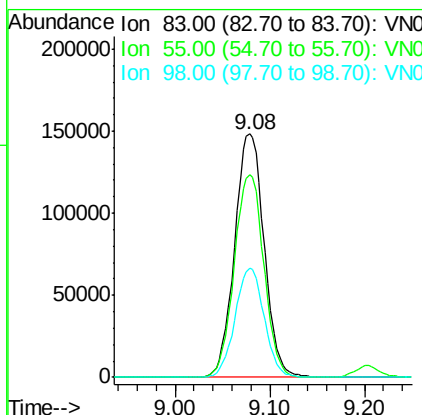
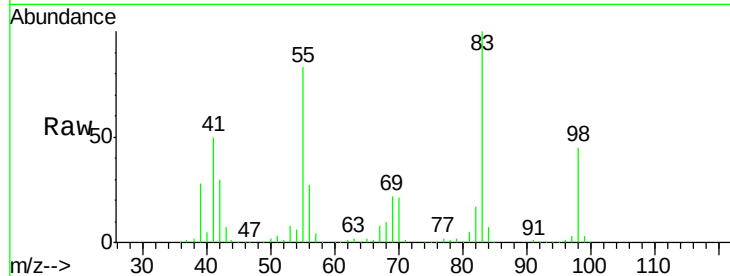
#39
Methylvlcyclohexane
Concen: 44.631 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.2	67.0	100.4
98	44.7	35.6	53.4

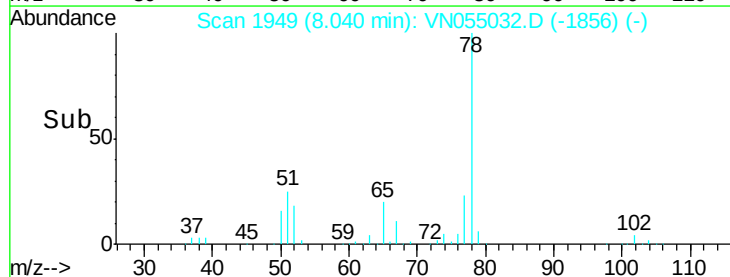
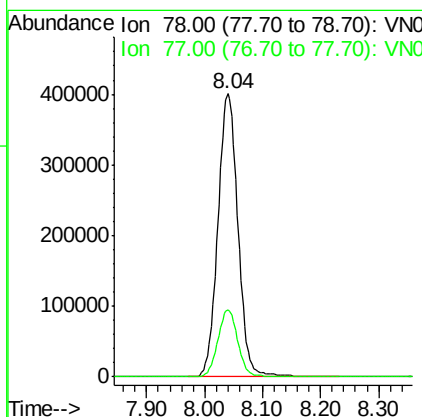
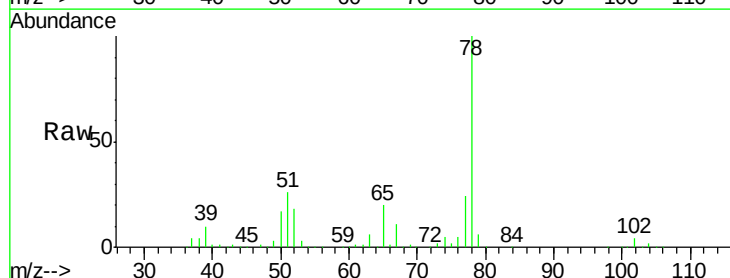
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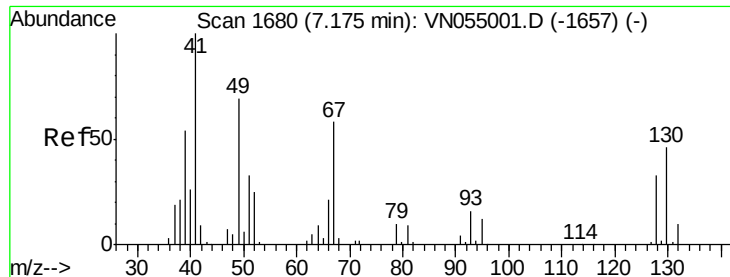
MMDadoda
4/17/2019 10:04:22 AM



#40
Benzene
Concen: 50.722 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





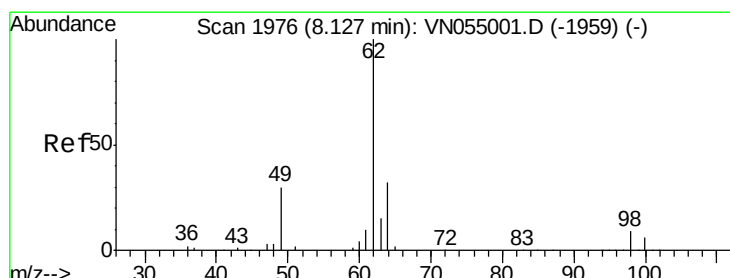
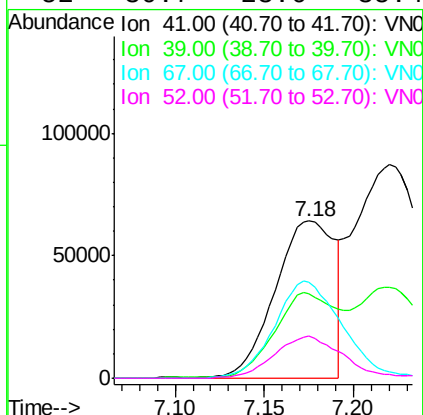
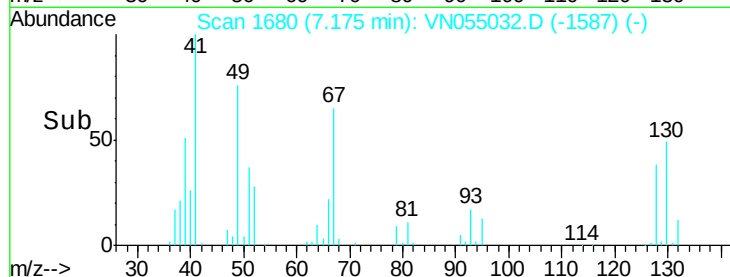
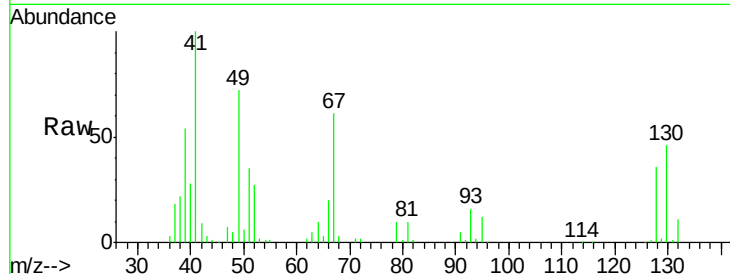
#41
Methacrylonitrile
Concen: 51.123 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	148436
Ion Ratio	Lower	Upper	
41	100		
39	56.7	45.6	68.4
67	70.8	57.0	85.6
52	30.7	23.6	35.4

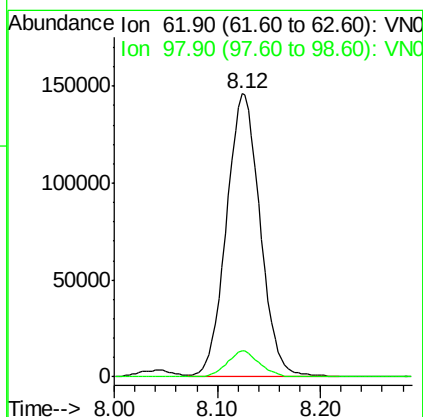
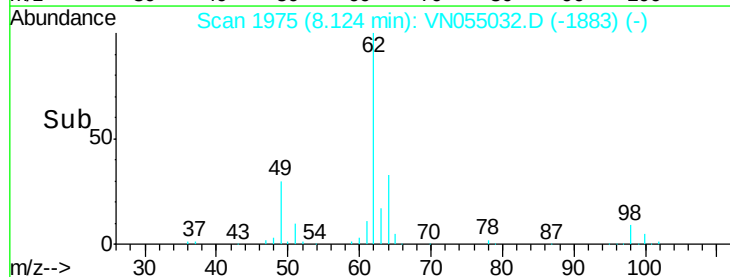
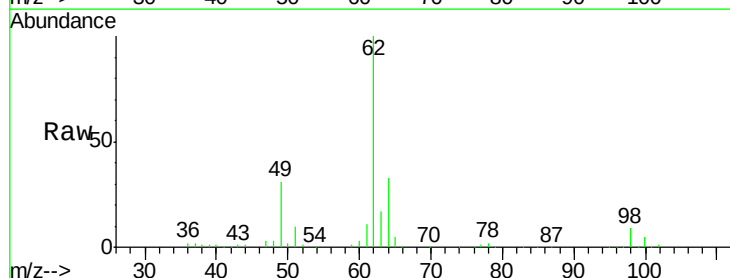
Manual Integrations
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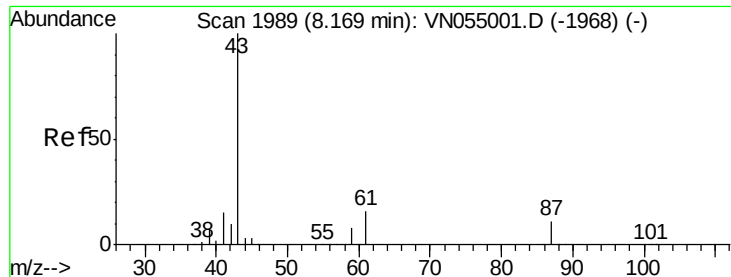
MMDadoda
4/17/2019 10:04:22 AM



#42
1,2-Dichloroethane
Concen: 49.453 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion:	62	Resp:	330598
Ion Ratio	Lower	Upper	
62	100		
98	8.9	0.0	17.4





#43

Isopropyl Acetate

Concen: 55.780 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

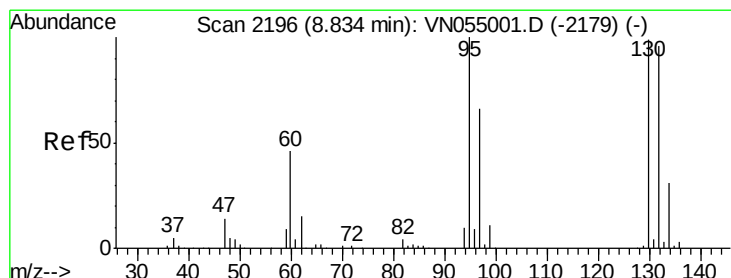
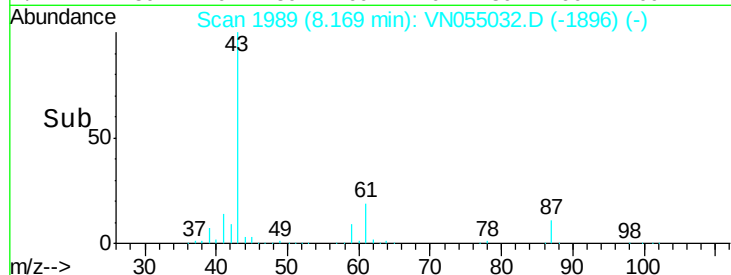
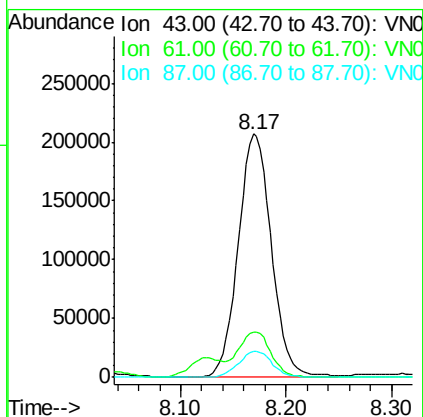
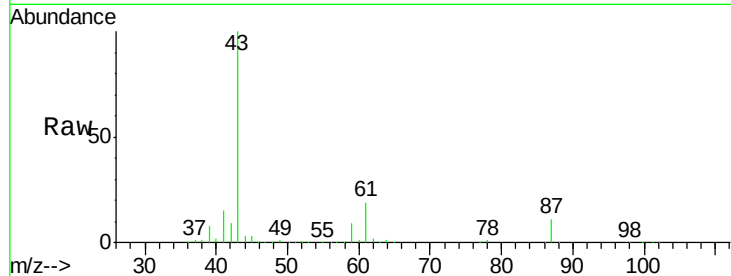
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	450065
Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.3	21.5
87	11.0	8.6	13.0

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#44

Trichloroethene

Concen: 48.703 ug/l

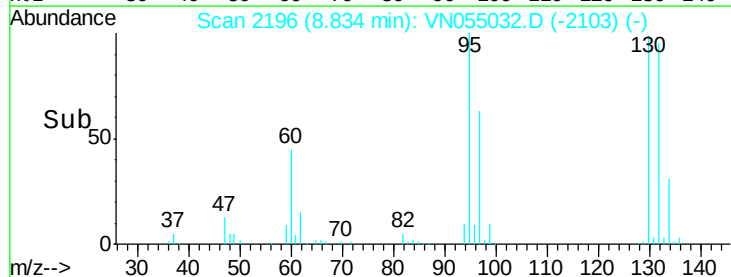
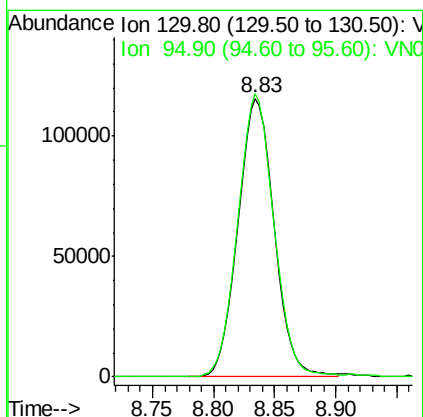
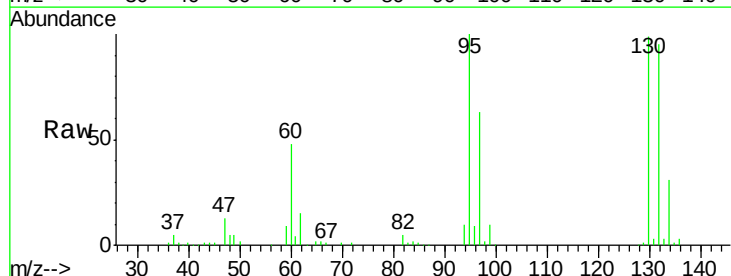
RT: 8.83 min Scan# 2196

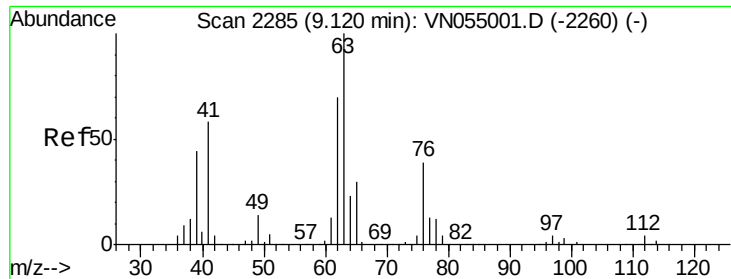
Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Tgt Ion:	130	Resp:	236523
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	201.6





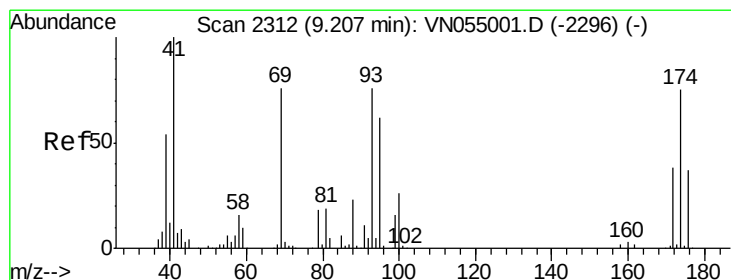
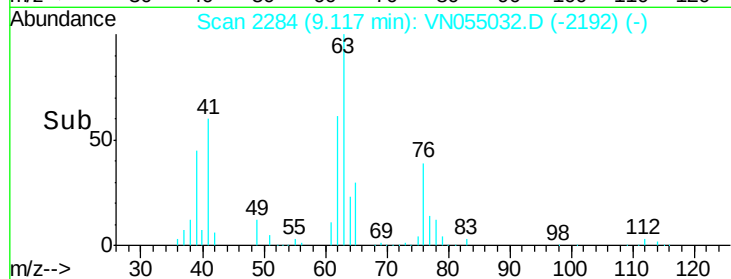
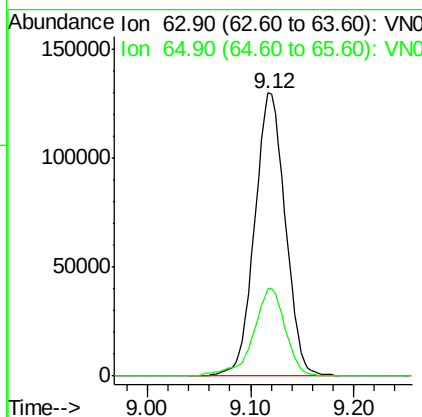
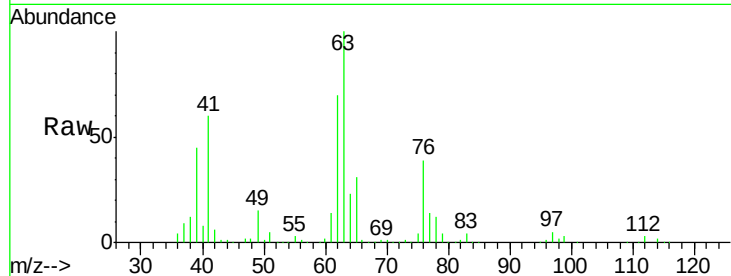
#45
 1,2-Dichloropropane
 Concen: 49.911 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 267658
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.4 36.6

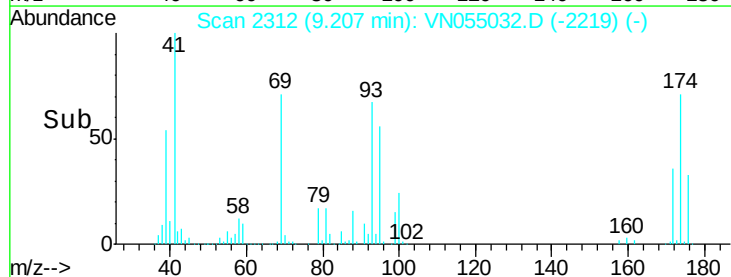
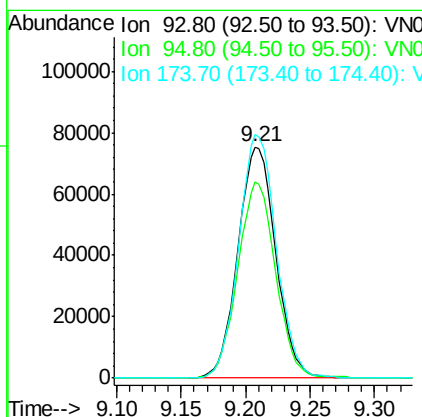
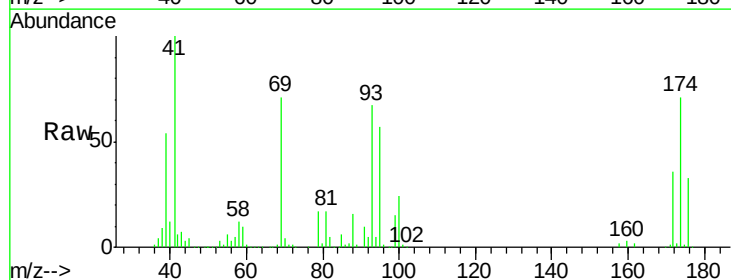
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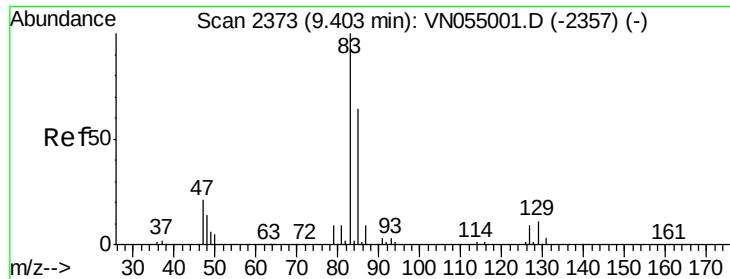
MMDadoda
 4/17/2019 10:04:22 AM



#46
 Dibromomethane
 Concen: 50.178 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Tgt Ion: 93 Resp: 154189
 Ion Ratio Lower Upper
 93 100
 95 85.1 65.0 97.6
 174 104.9 81.0 121.6





#47

Bromodichloromethane

Concen: 51.082 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

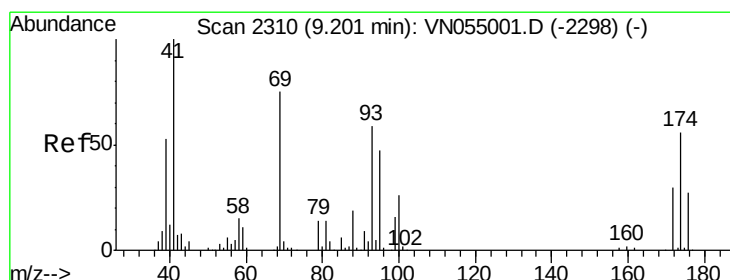
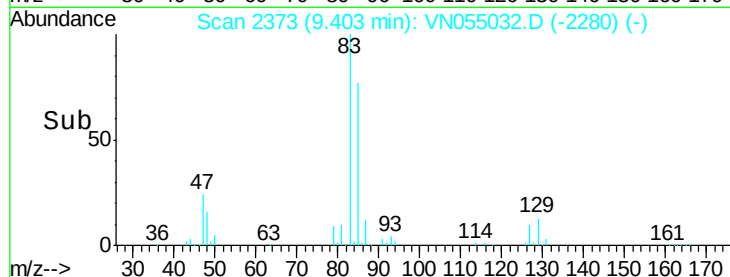
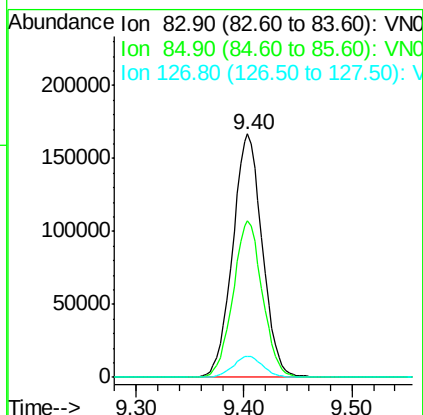
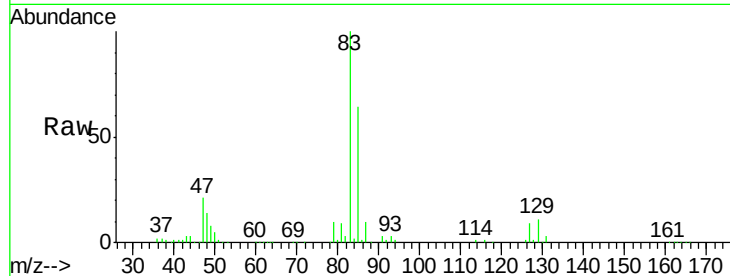
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	319202
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.2	76.8
127	8.7	6.8	10.2

Manual Integrations
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MMDadoda
4/17/2019 10:04:22 AM



#48

Methyl methacrylate

Concen: 54.228 ug/l

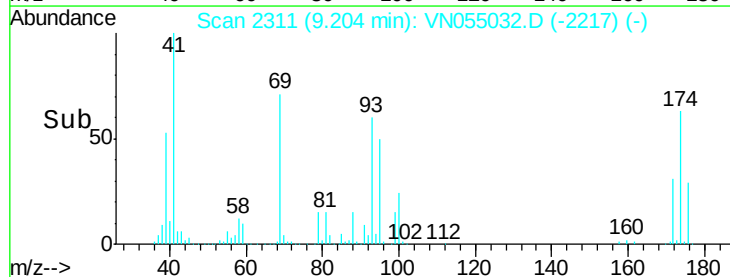
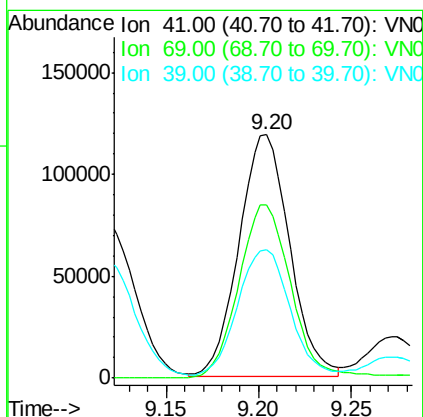
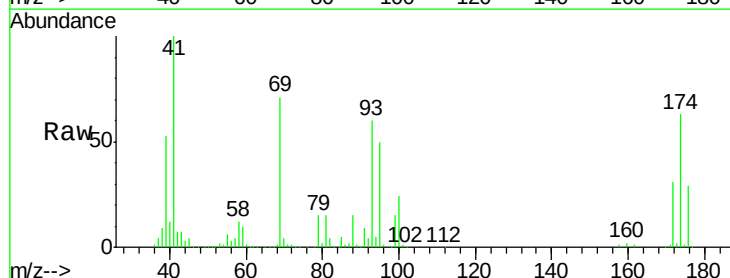
RT: 9.20 min Scan# 2311

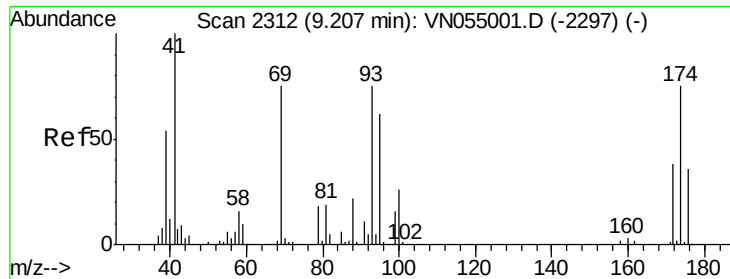
Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Tgt Ion:	41	Resp:	225396
Ion	Ratio	Lower	Upper
41	100		
69	74.9	60.5	90.7
39	55.0	43.9	65.9





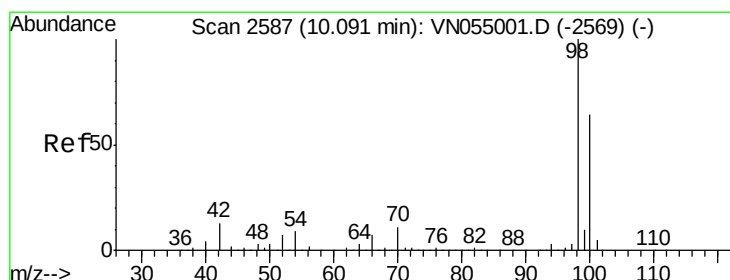
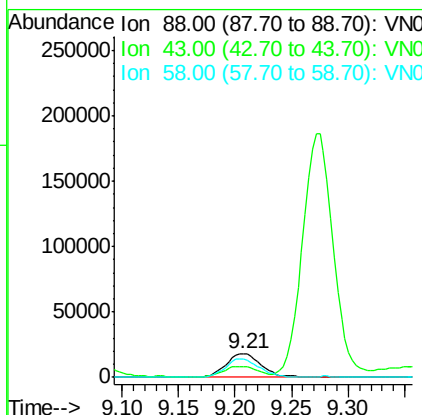
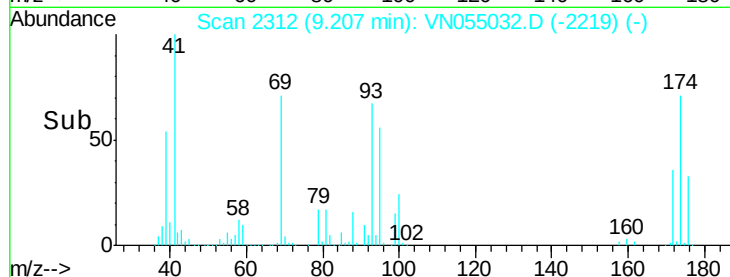
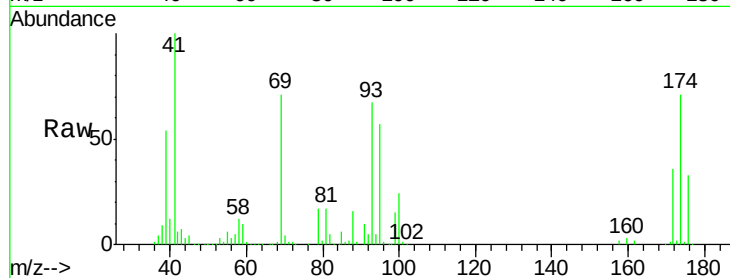
#49
1,4-Dioxane
Concen: 887.639 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.7	31.8	47.8
58	75.3	61.6	92.4

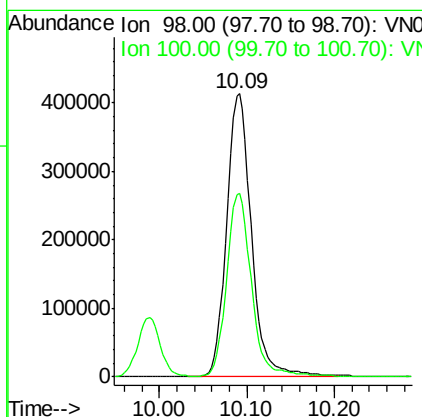
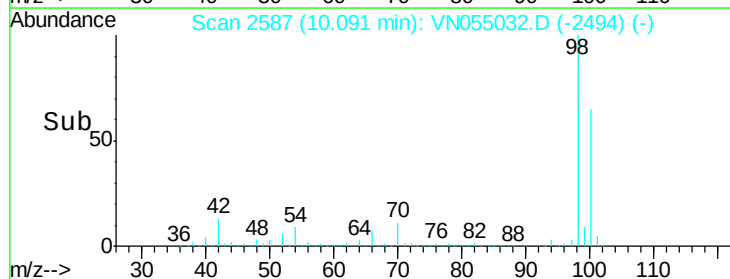
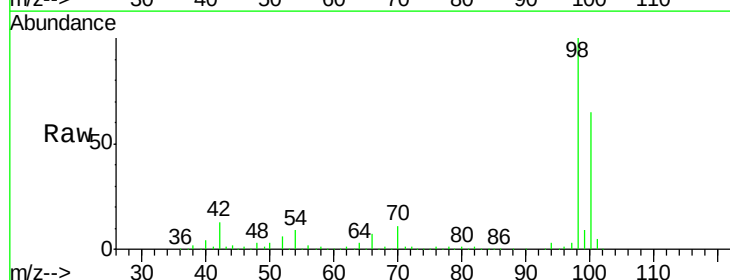
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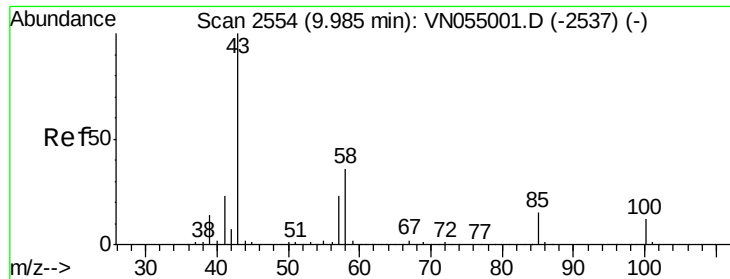
MMDadoda
4/17/2019 10:04:22 AM



#50
Toluene-d8
Concen: 51.337 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 283.819 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1340857

Ion Ratio Lower Upper

43 100

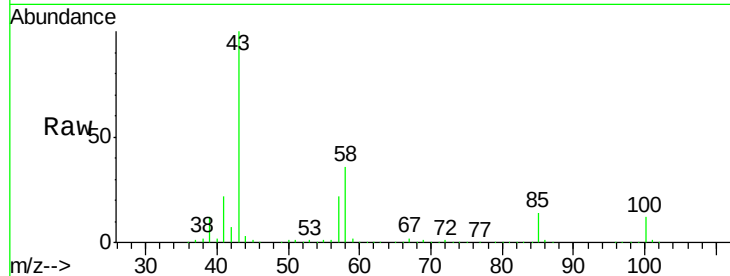
58 35.3 29.0 43.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

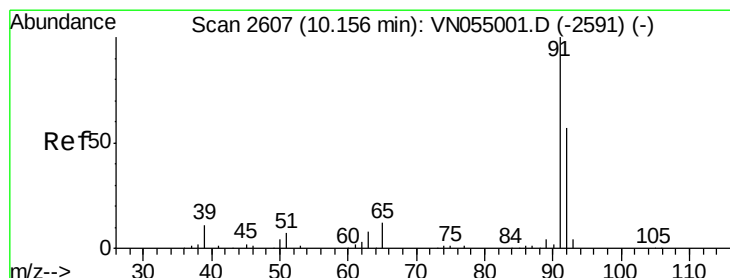
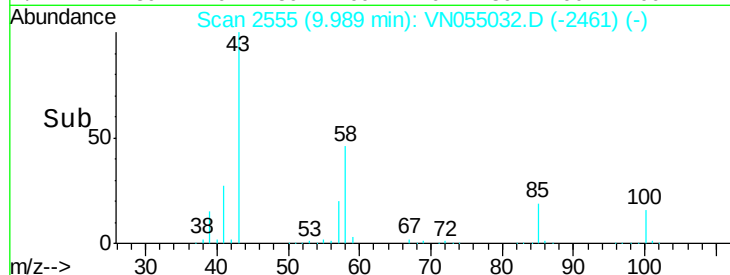
400000

200000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 50.812 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055032.D

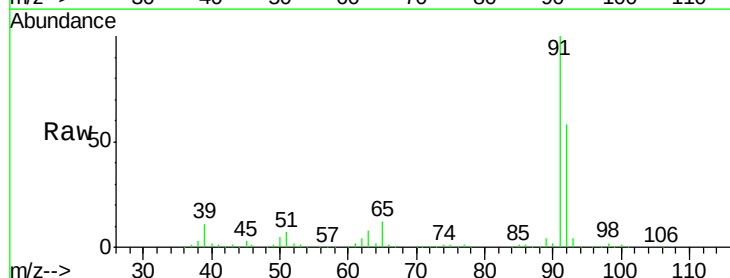
Acq: 13 Apr 2019 16:21

Tgt Ion: 92 Resp: 571072

Ion Ratio Lower Upper

92 100

91 175.3 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

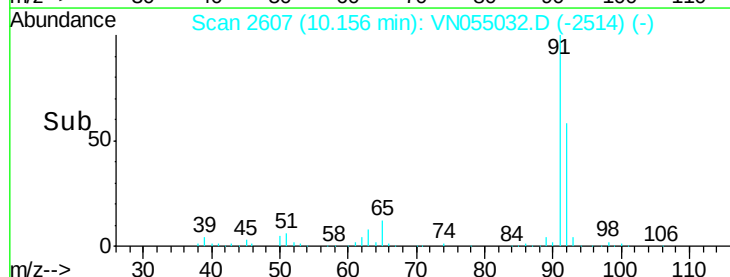
200000

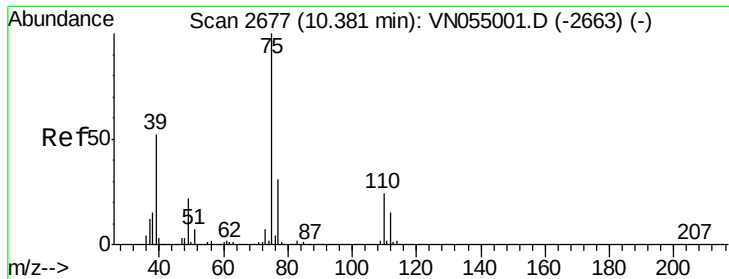
100000

0

10.00 10.10 10.16 10.20 10.30

Time-->





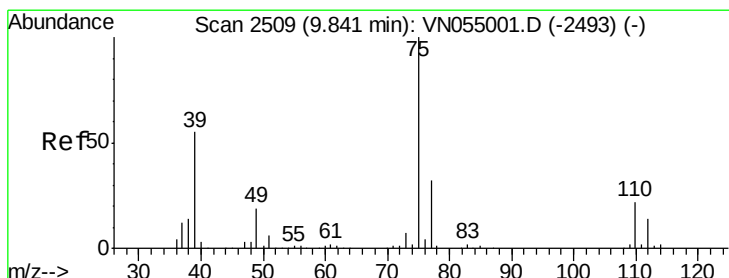
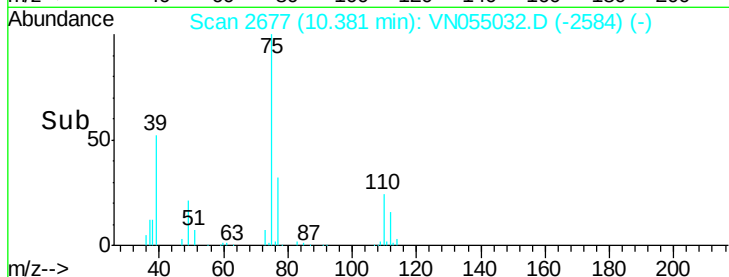
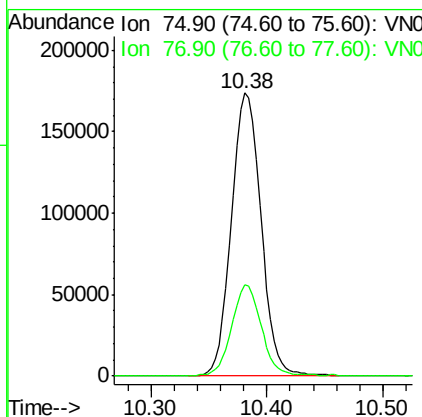
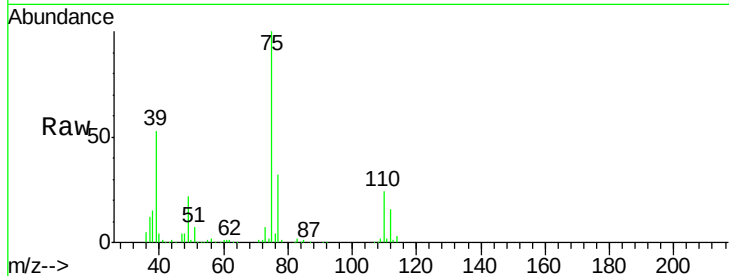
#53
t-1,3-Dichloropropene
Concen: 54.361 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.6	37.0

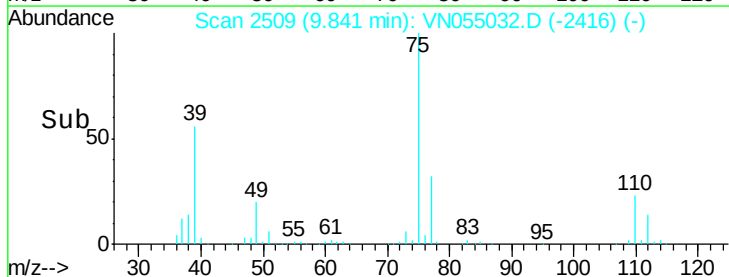
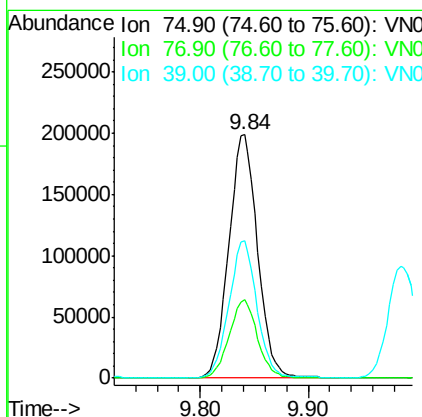
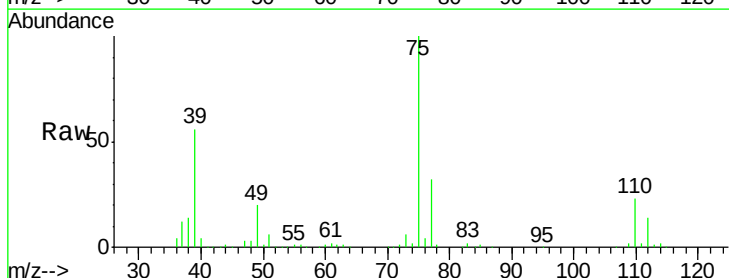
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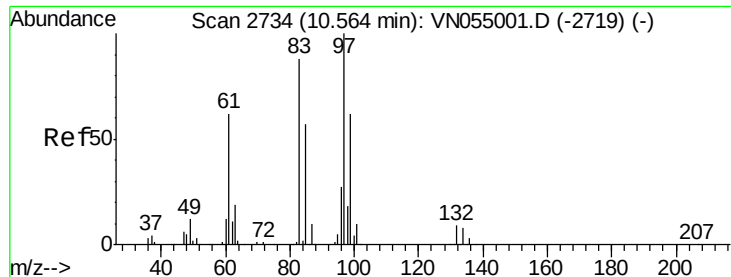
MMDadoda
4/17/2019 10:04:22 AM



#54
cis-1,3-Dichloropropene
Concen: 52.910 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.6
39	56.1	43.8	65.8





#55

1,1,2-Trichloroethane

Concen: 50.961 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

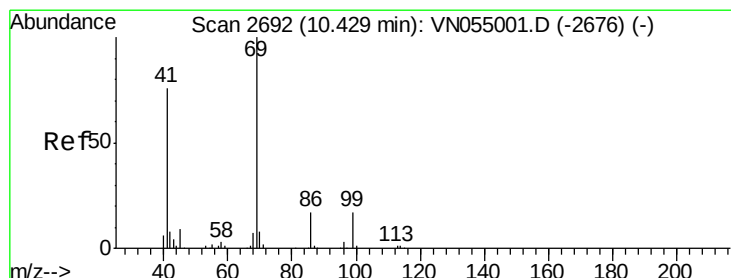
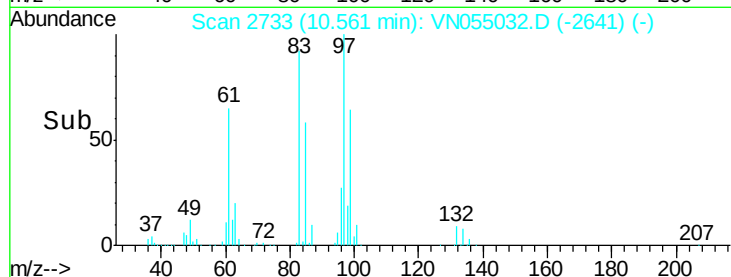
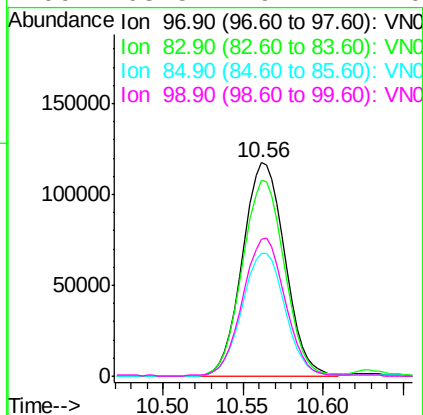
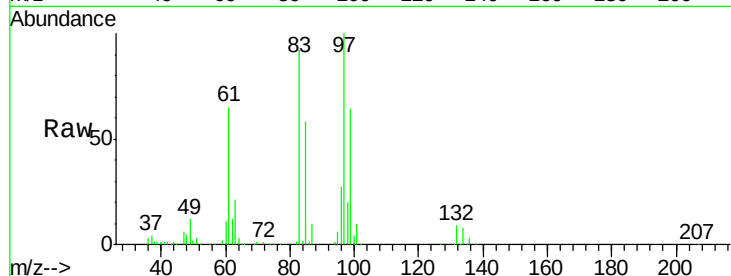
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	213356
Ion	Ratio	Lower	Upper
97	100		
83	91.7	70.5	105.7
85	57.8	45.5	68.3
99	63.5	49.4	74.0

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#56

Ethyl methacrylate

Concen: 55.683 ug/l

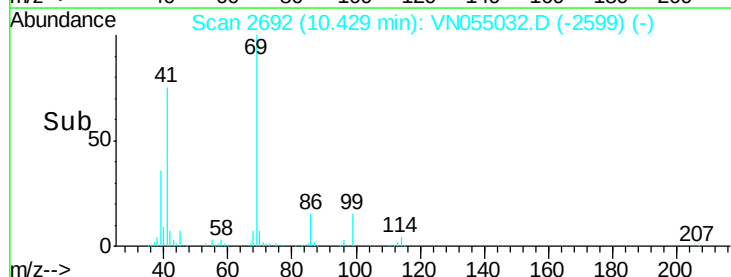
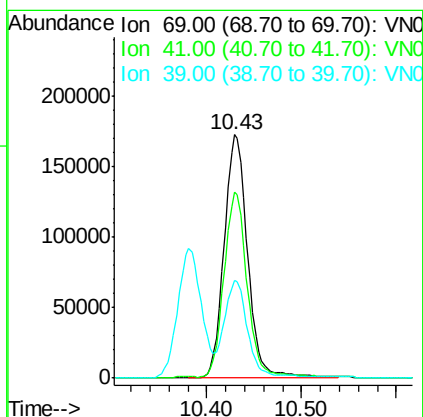
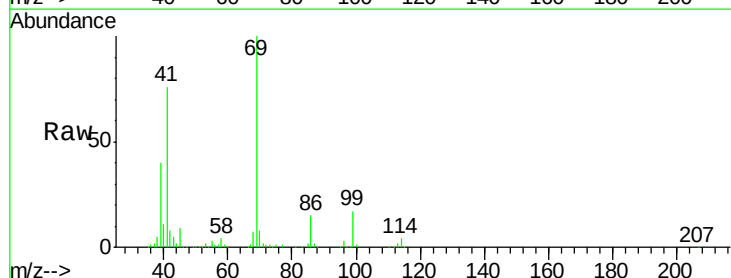
RT: 10.43 min Scan# 2692

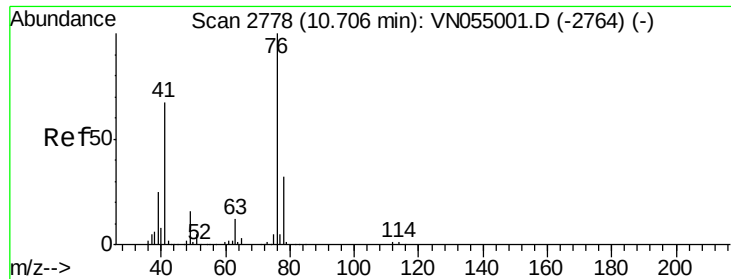
Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Tgt Ion:	69	Resp:	299981
Ion	Ratio	Lower	Upper
69	100		
41	76.4	61.4	92.0
39	37.9	30.8	46.2





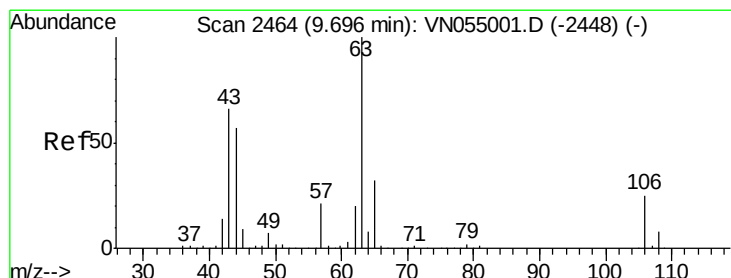
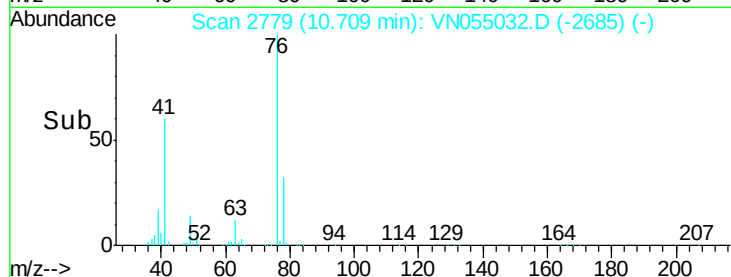
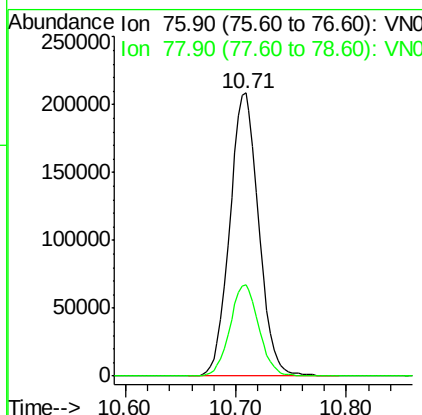
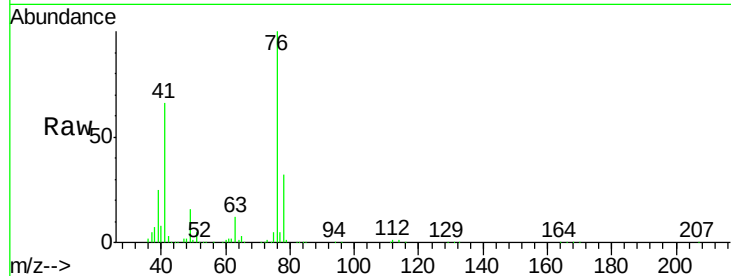
#57
 1,3-Dichloropropane
 Concen: 52.582 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 379761
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4

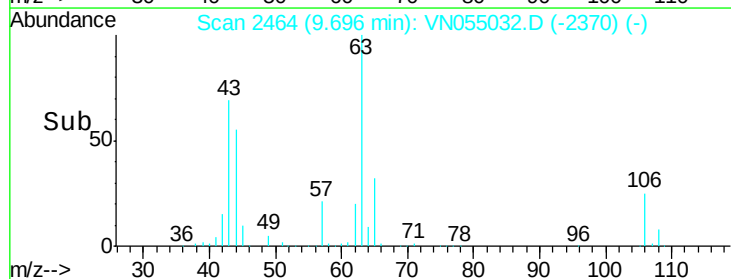
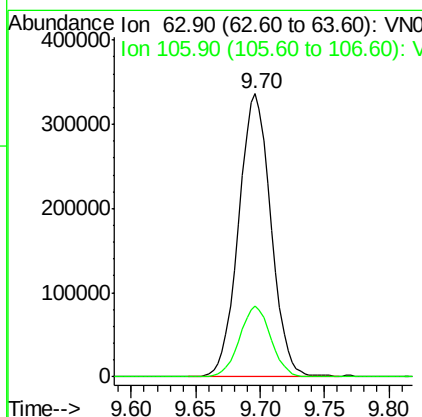
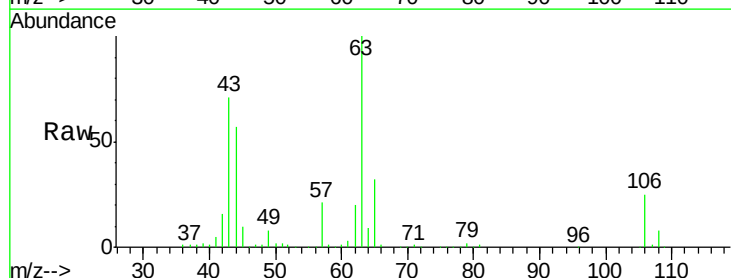
Manual Integrations
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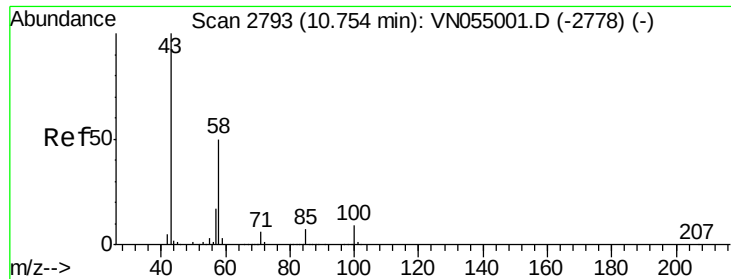
MMDadoda
 4/17/2019 10:04:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.889 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Tgt Ion: 63 Resp: 586600
 Ion Ratio Lower Upper
 63 100
 106 24.3 20.0 30.0





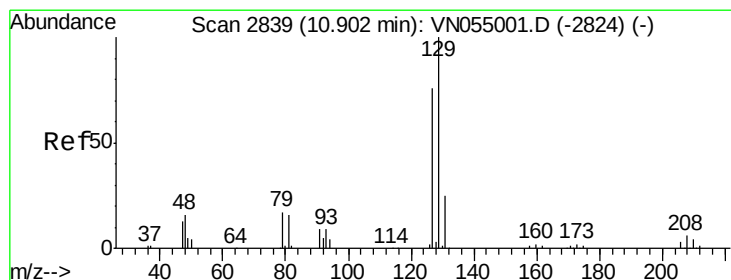
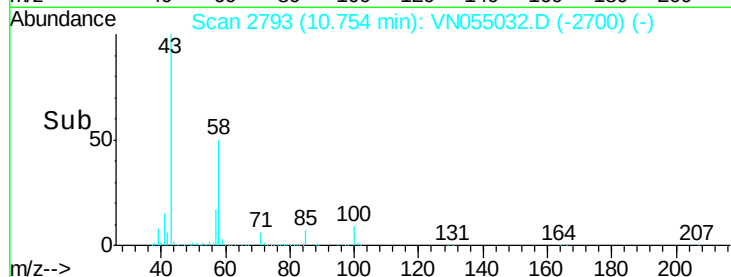
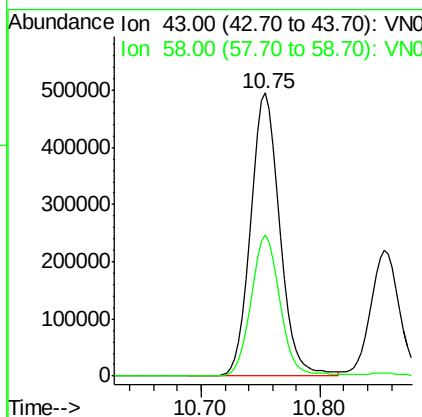
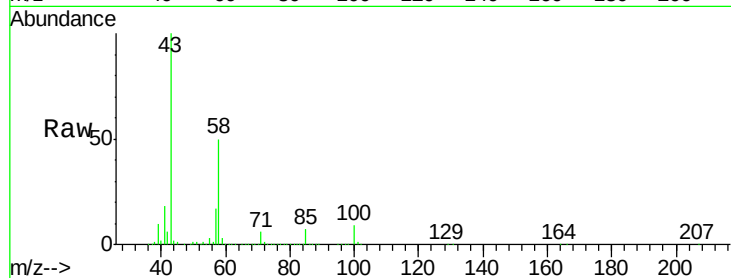
#59
2-Hexanone
Concen: 284.263 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 839207
Ion Ratio Lower Upper
43 100
58 49.7 25.1 75.2

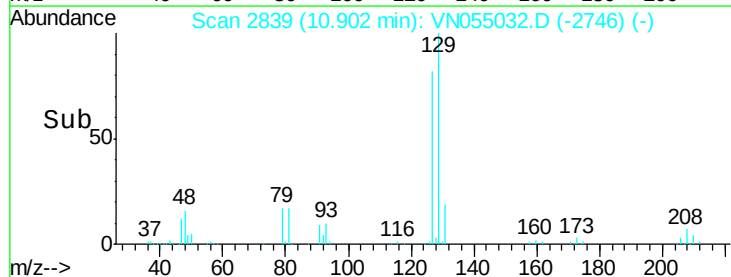
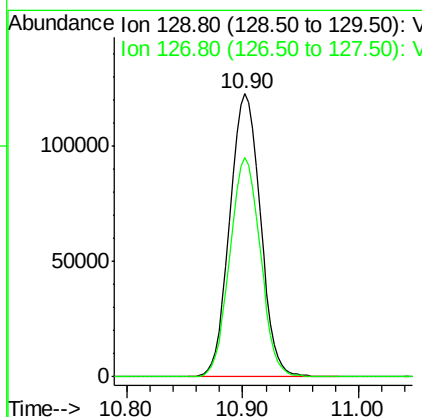
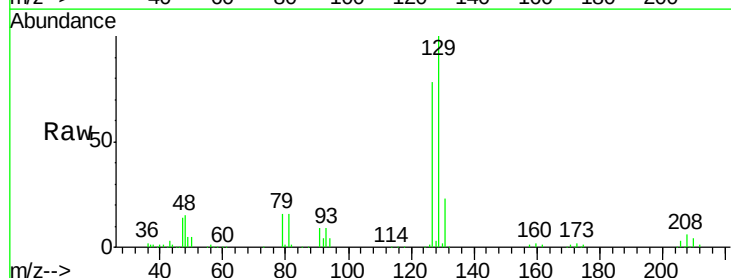
Manual Integrations
APPROVED

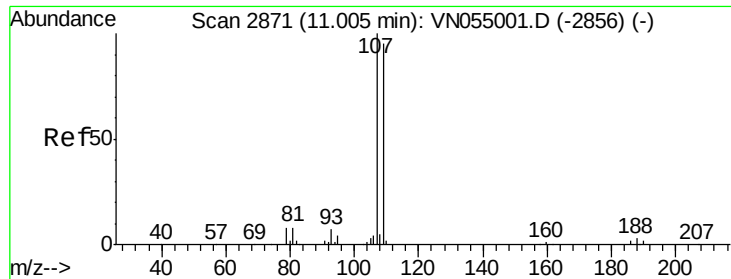
MMDadoda
4/17/2019 10:04:22 AM



#60
Dibromochloromethane
Concen: 53.771 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion: 129 Resp: 224084
Ion Ratio Lower Upper
129 100
127 77.2 38.2 114.6





#61

1,2-Dibromoethane

Concen: 53.139 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 213003

Ion Ratio Lower Upper

107 100

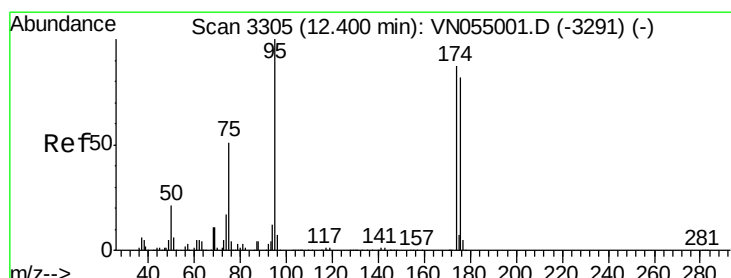
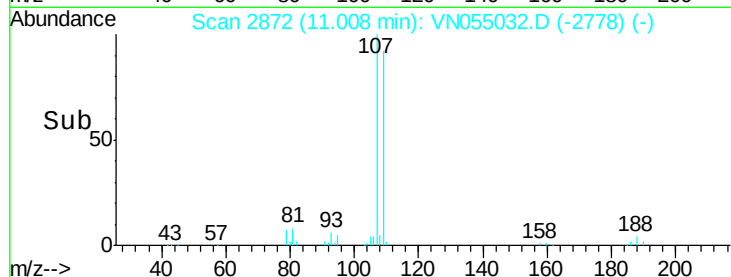
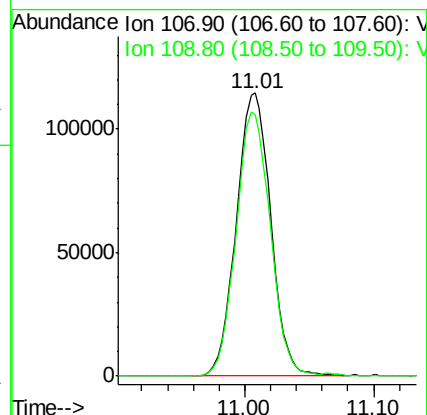
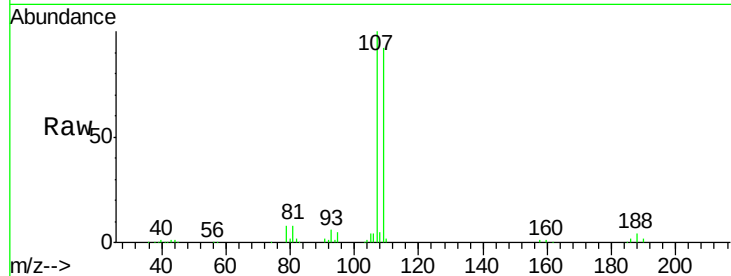
109 92.8 76.5 114.7

Manual Integrations

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MMDadoda

4/17/2019 10:04:22 AM



#62

4-Bromofluorobenzene

Concen: 51.034 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

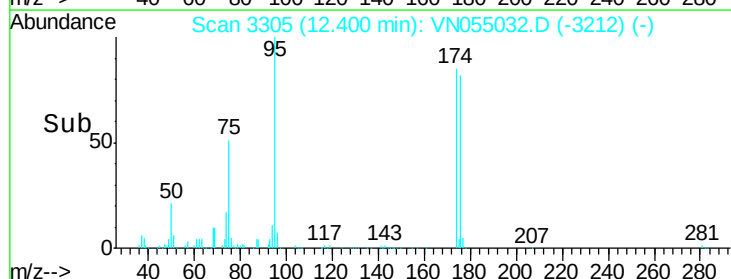
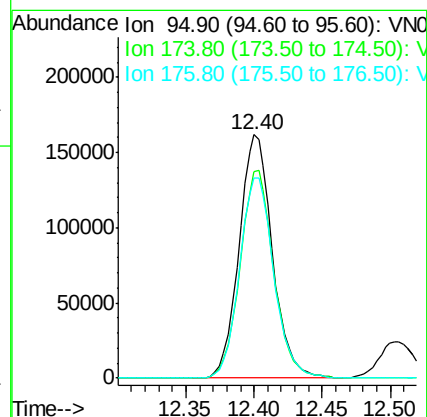
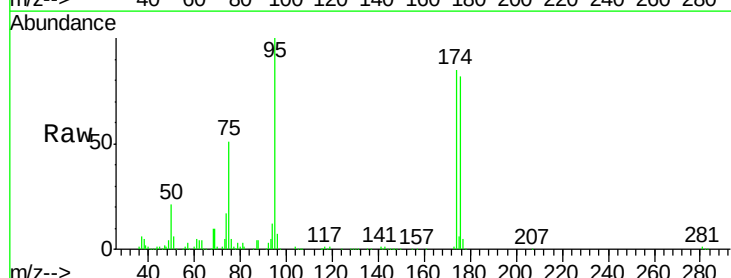
Tgt Ion: 95 Resp: 273741

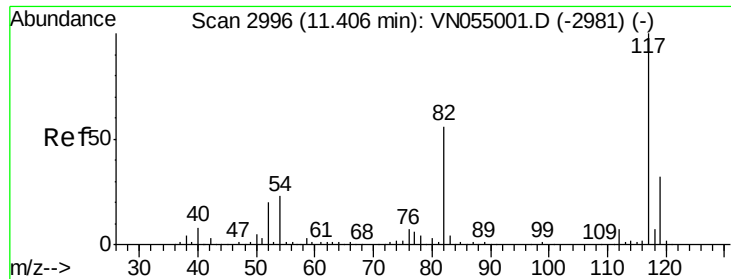
Ion Ratio Lower Upper

95 100

174 85.8 0.0 174.4

176 84.7 0.0 166.8





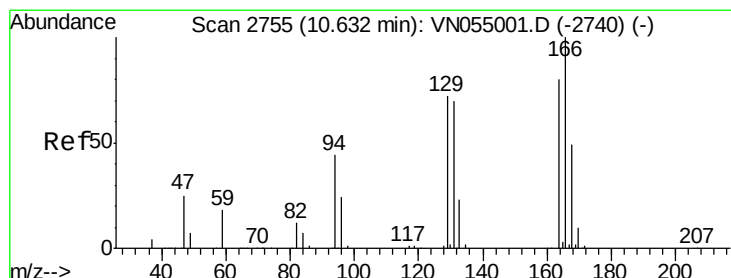
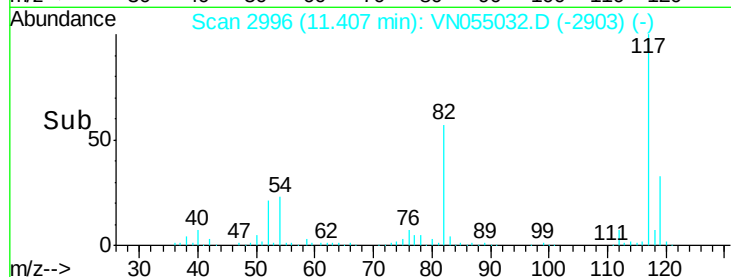
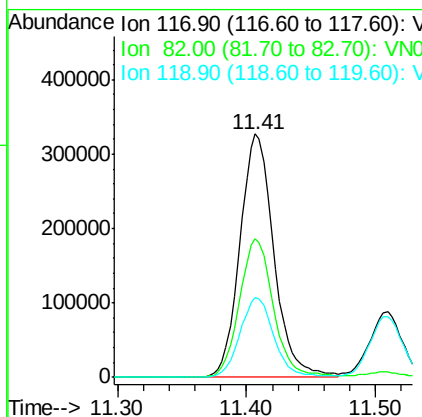
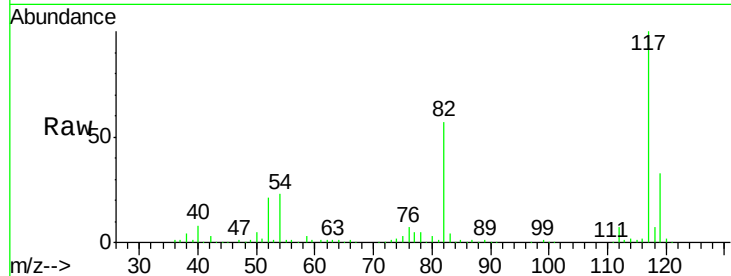
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	599715		
82	57.1		44.6	66.8
119	32.7		25.5	38.3

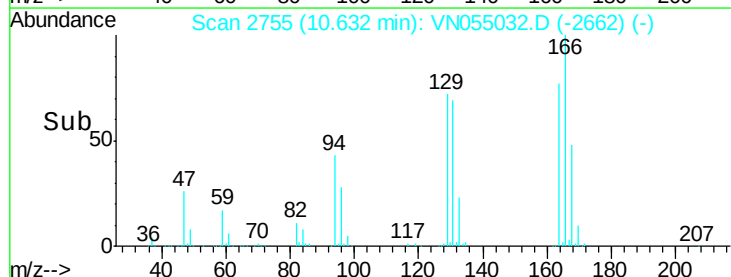
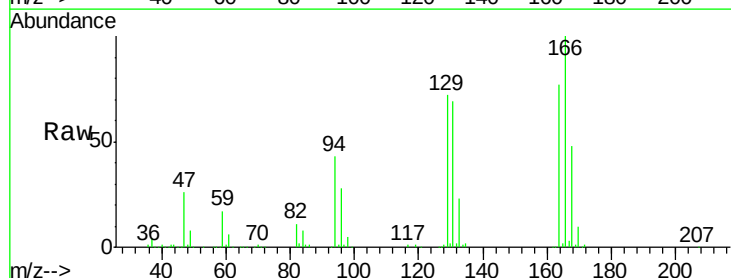
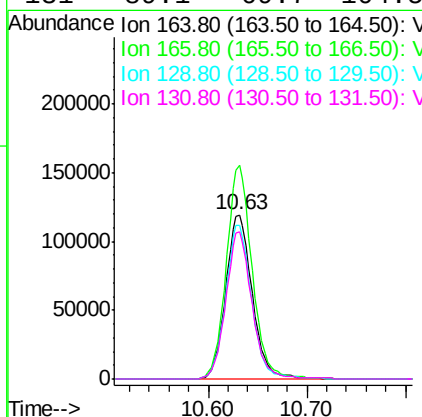
Manual Integrations
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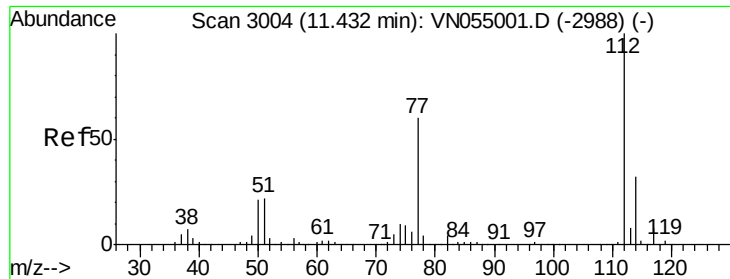
MMDadoda
4/17/2019 10:04:22 AM



#64
Tetrachloroethene
Concen: 47.863 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	224531		
166	129.9		100.0	150.0
129	93.0		72.0	108.0
131	89.1		69.7	104.5





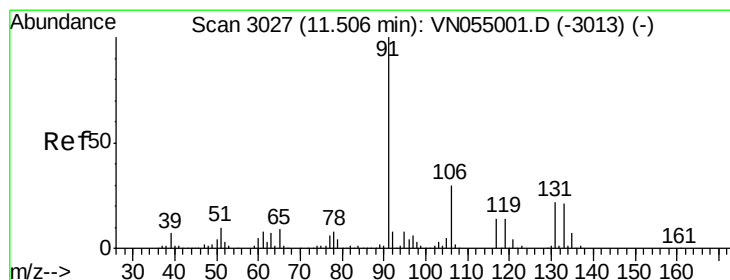
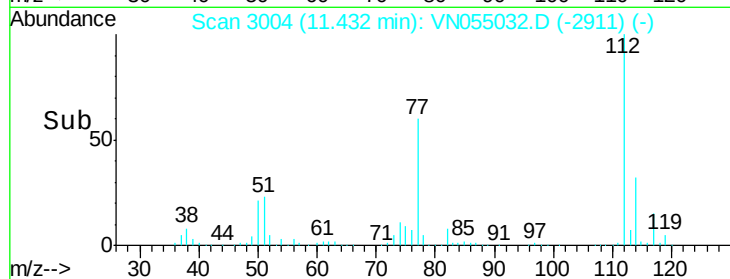
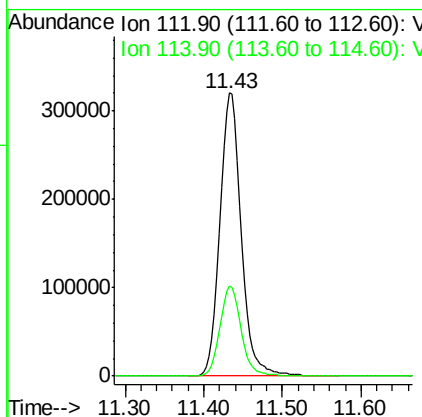
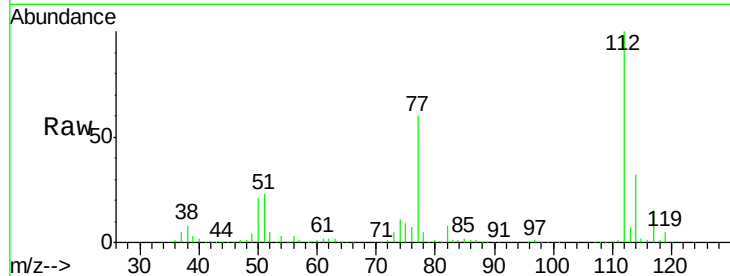
#65
Chlorobenzene
Concen: 51.659 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 597366
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9

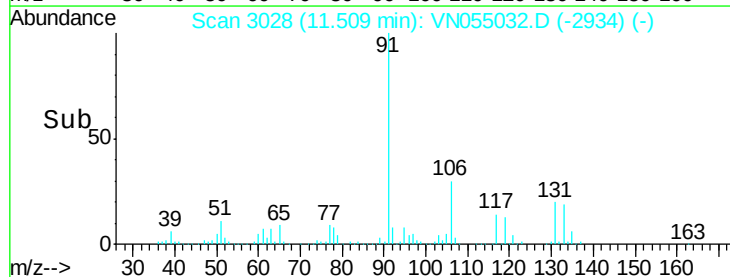
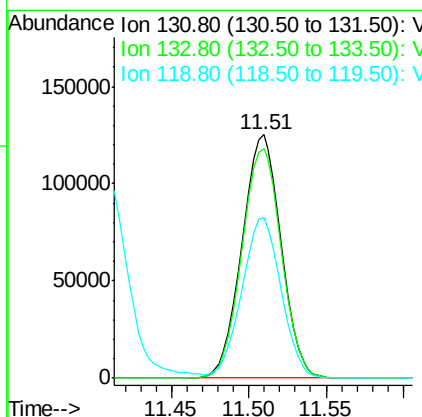
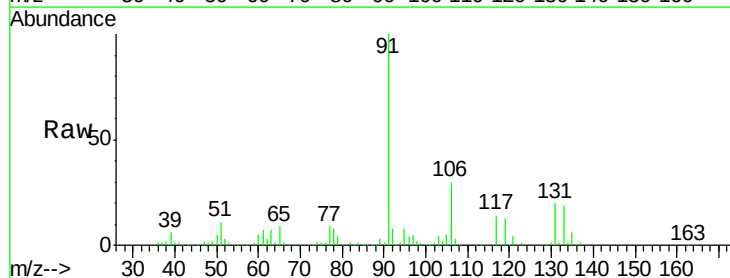
Manual Integrations
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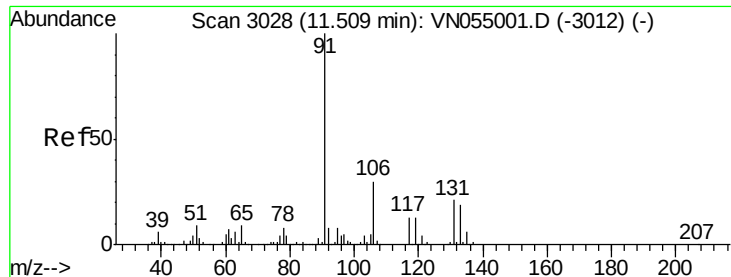
MMDadoda
4/17/2019 10:04:22 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.595 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion:131 Resp: 219871
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 66.3 33.6 100.6





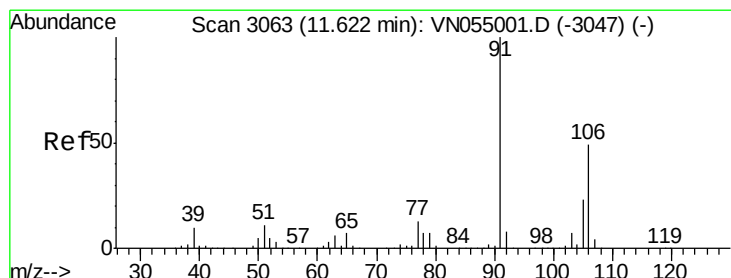
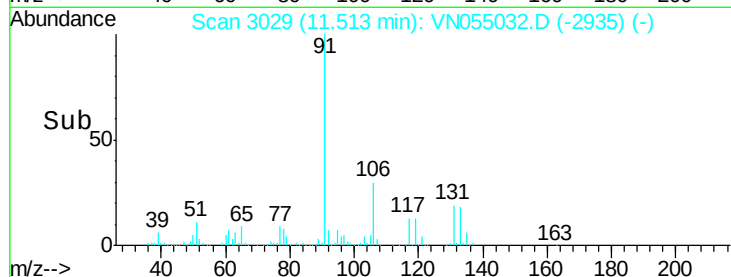
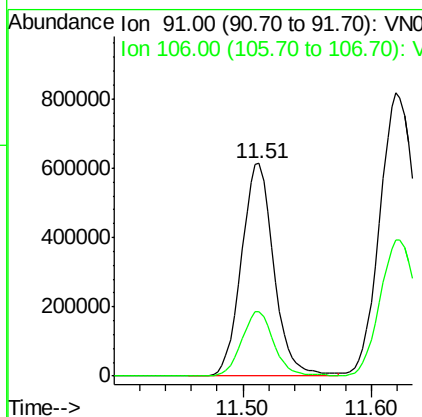
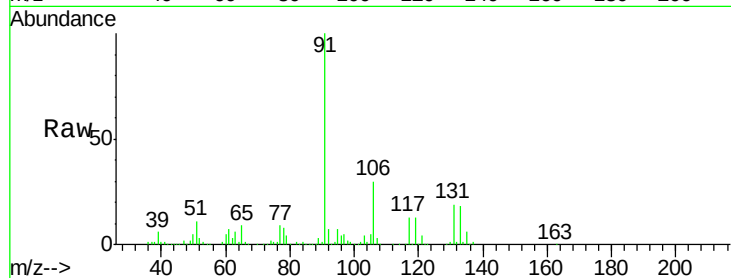
#67
Ethyl Benzene
Concen: 50.661 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 1076092
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5

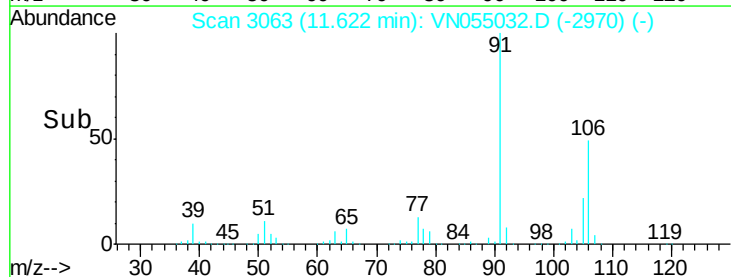
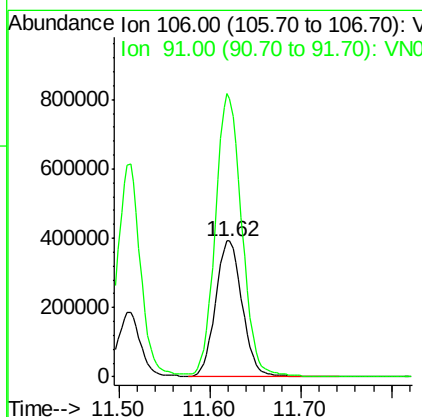
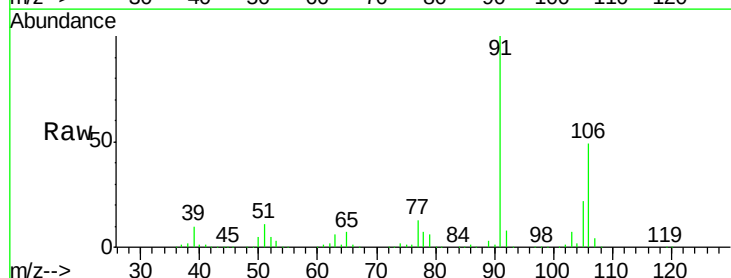
Manual Integrations
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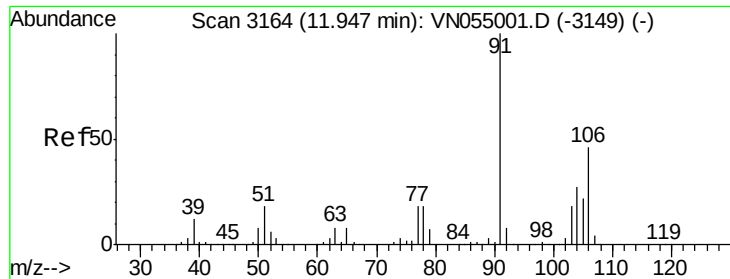
MMDadoda
4/17/2019 10:04:22 AM



#68
m/p-Xylenes
Concen: 103.356 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion: 106 Resp: 803204
Ion Ratio Lower Upper
106 100
91 206.0 165.9 248.9





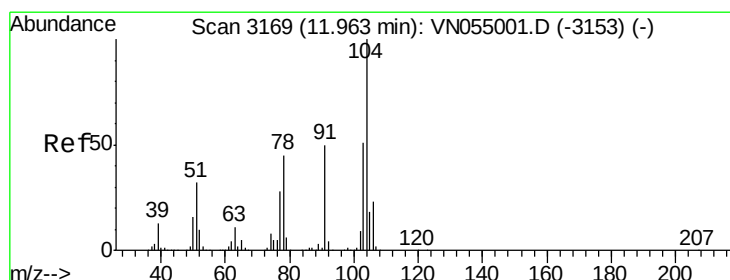
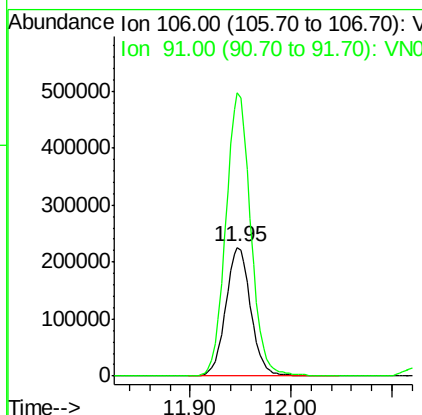
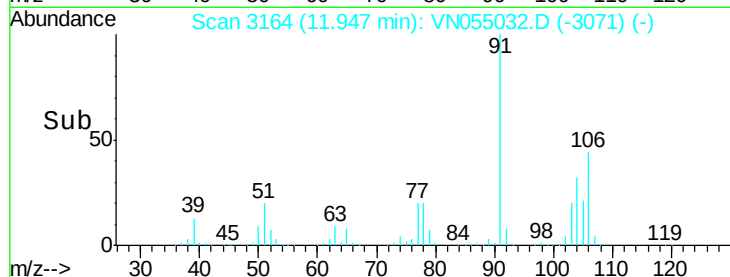
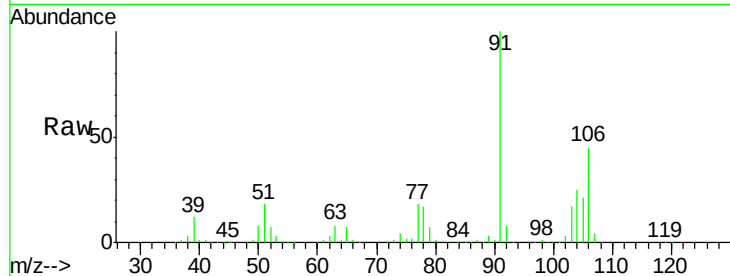
#69
o-Xylene
Concen: 50.788 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 390514
Ion Ratio Lower Upper
106 100
91 219.5 109.9 329.8

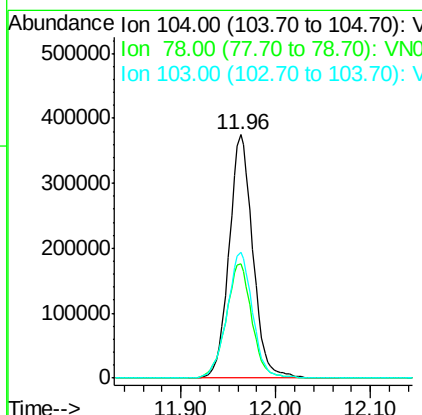
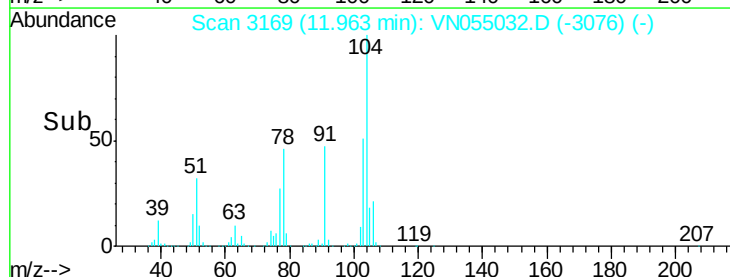
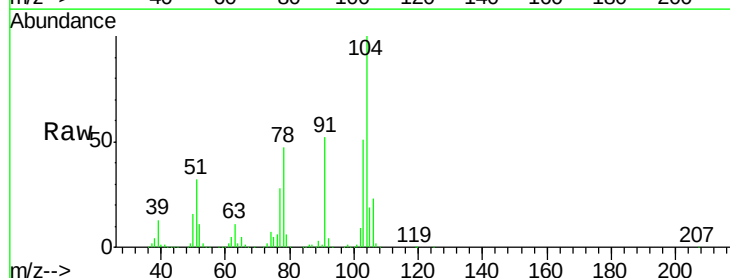
Manual Integrations
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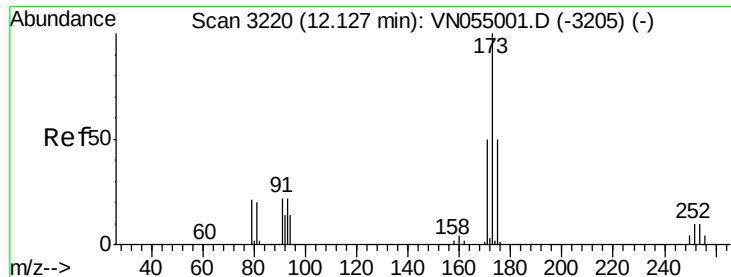
MMDadoda
4/17/2019 10:04:22 AM



#70
Styrene
Concen: 53.468 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion:104 Resp: 651873
Ion Ratio Lower Upper
104 100
78 51.3 40.3 60.5
103 55.7 44.3 66.5





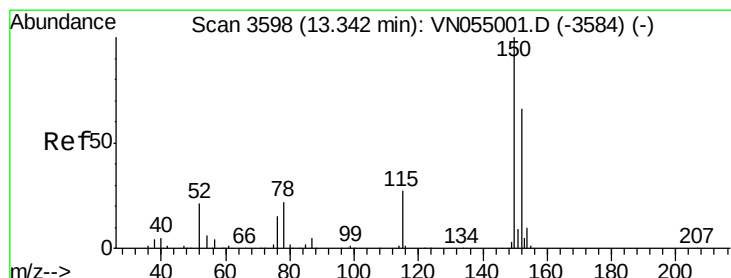
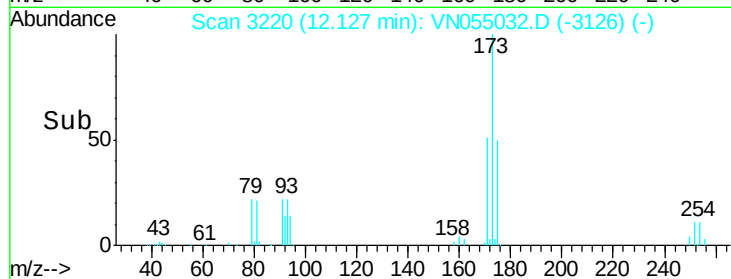
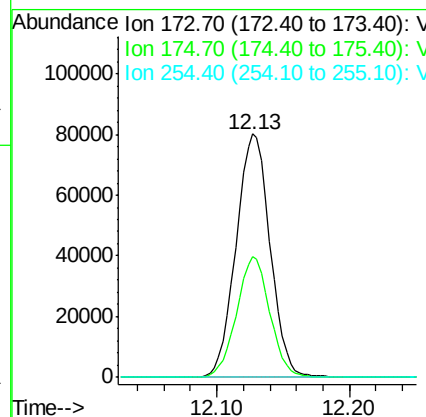
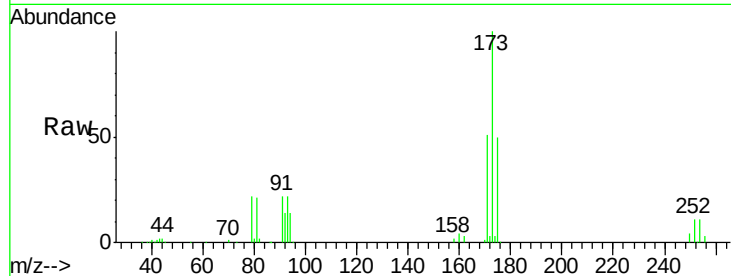
#71
Bromoform
Concen: 48.837 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	73.0
254	0.0	0.1	0.1#

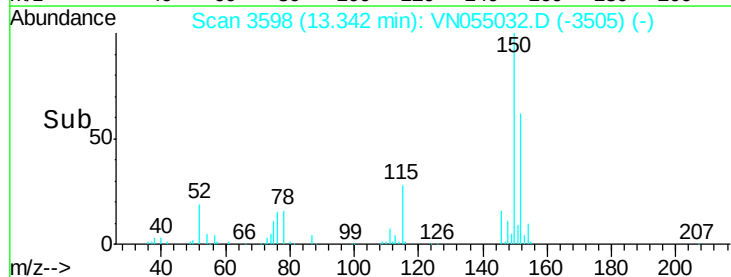
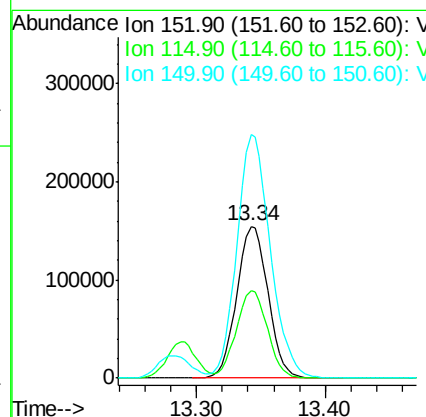
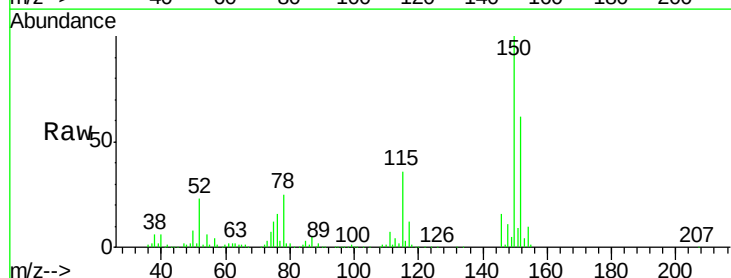
Manual Integrations
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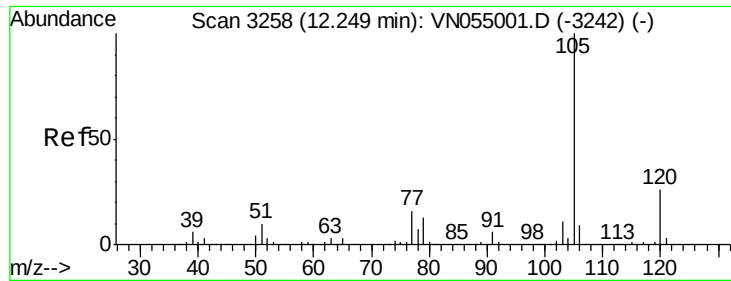
MMDadoda
4/17/2019 10:04:22 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.5	85.6
150	171.9	0.0	347.2





#73

Isopropylbenzene

Concen: 45.994 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1015014

Ion Ratio Lower Upper

105 100

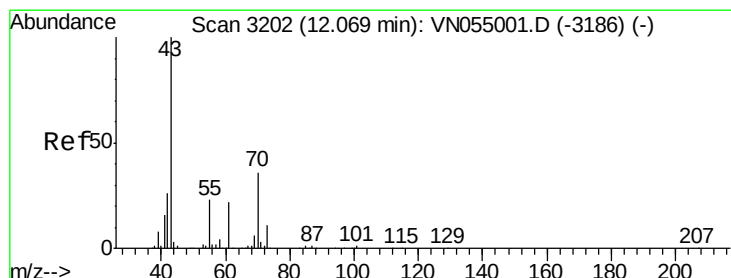
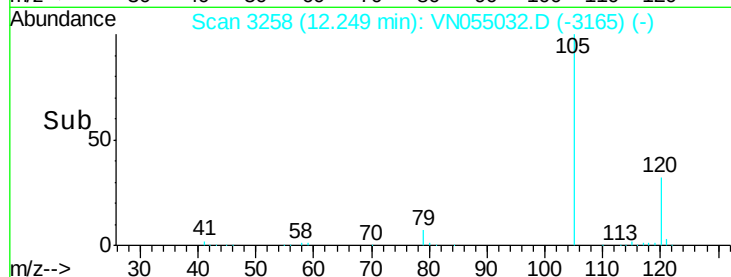
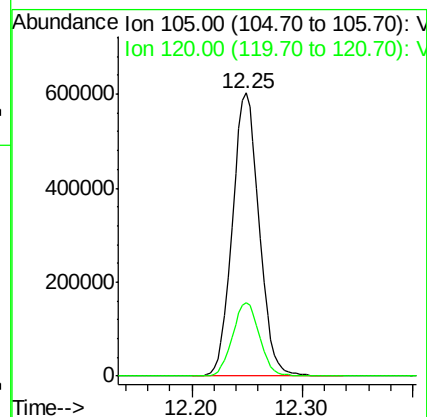
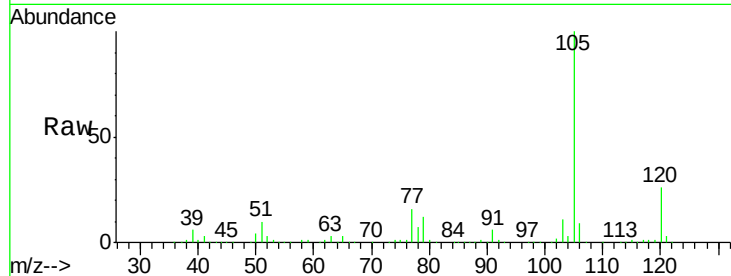
120 26.3 13.3 39.9

Manual Integrations

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MMDadoda

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#74

N-ethyl acetate

Concen: 54.325 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Tgt Ion: 43 Resp: 361356

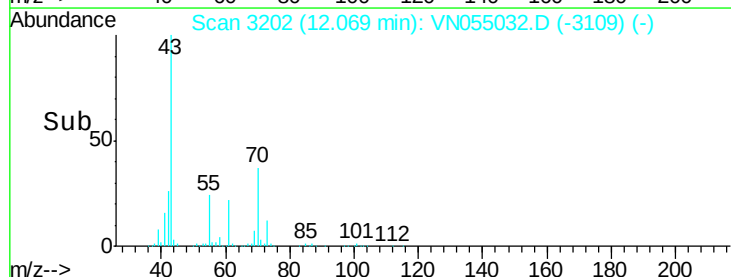
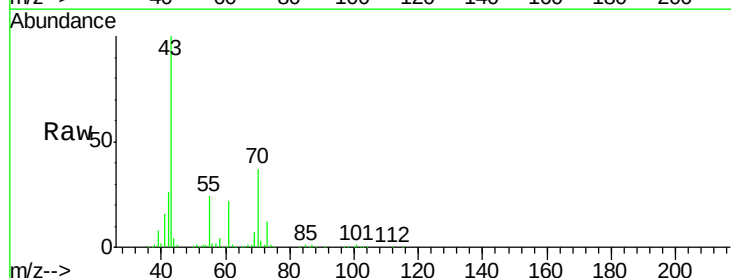
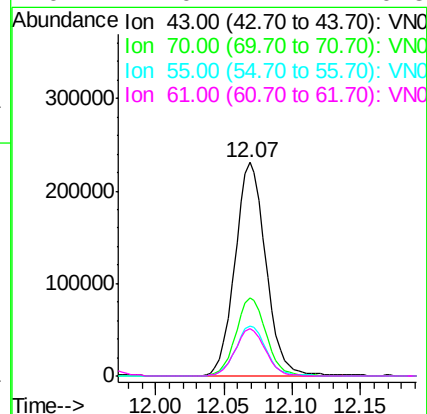
Ion Ratio Lower Upper

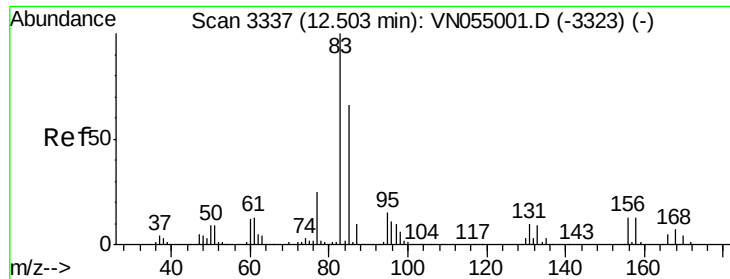
43 100

70 36.2 29.4 44.0

55 23.6 19.0 28.4

61 22.0 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.463 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

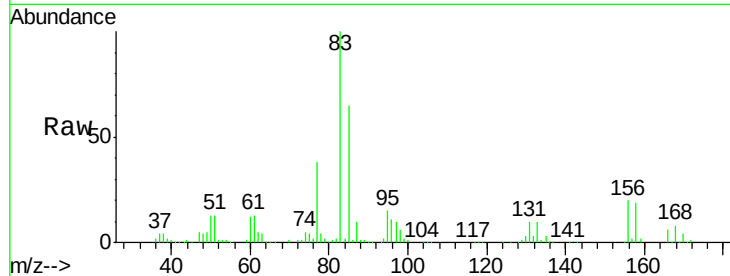
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	276901
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.0	15.0
85	65.5	32.3	96.9

Manual Integrations
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4/17/2019 10:04:22 AM

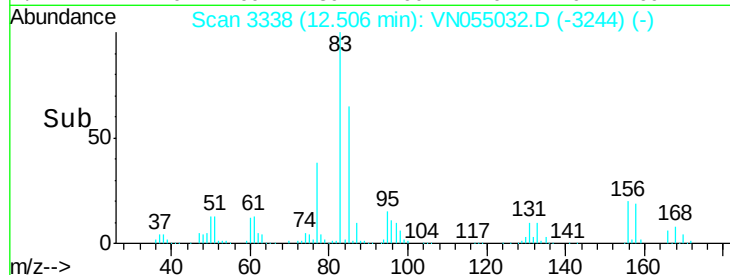


Abundance Ion 82.90 (82.60 to 83.60): VN055001.D (-3323) (-)

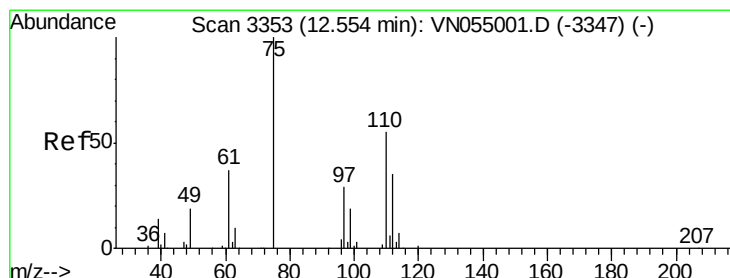
Ion 130.80 (130.50 to 131.50): VN055001.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055001.D (-3323) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 51.024 ug/l m

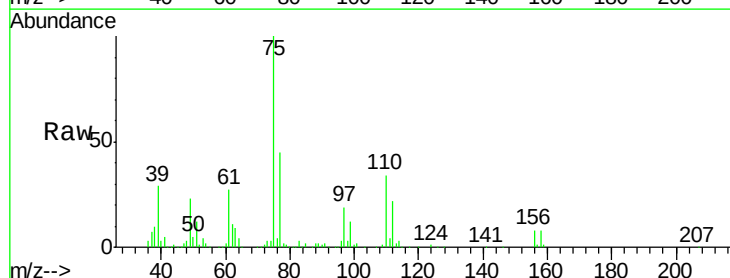
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

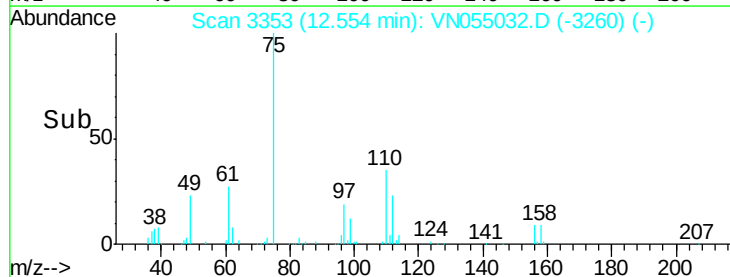
Tgt Ion:	75	Resp:	243652
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



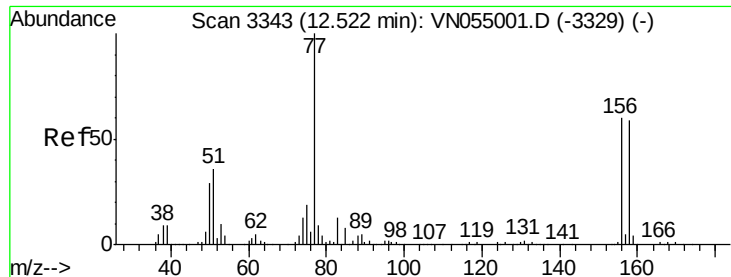
Abundance Ion 74.90 (74.60 to 75.60): VN055001.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN055001.D (-3347) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 51.298 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

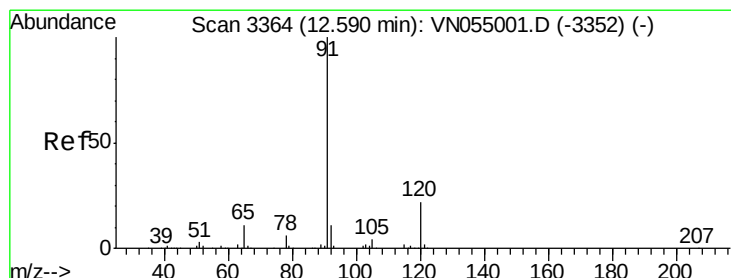
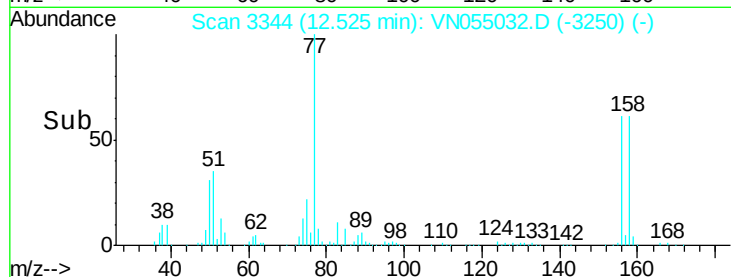
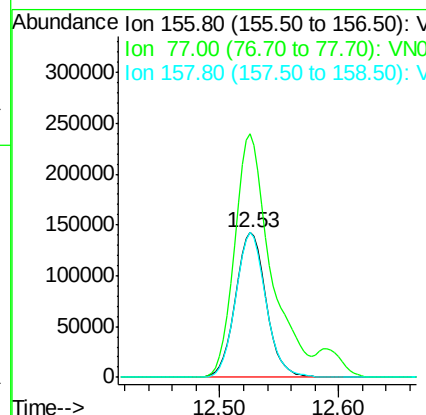
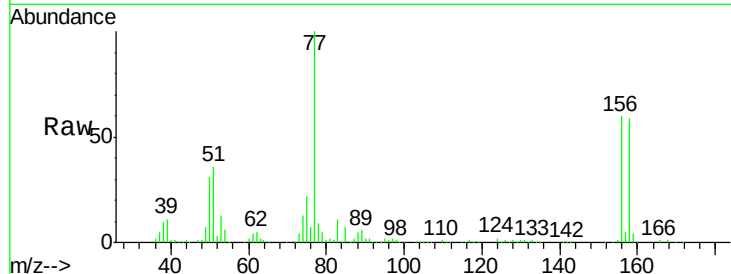
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	253702
Ion Ratio	Lower	Upper	
156	100		
77	197.8	97.2	291.5
158	98.7	48.6	145.9

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#78

n-propylbenzene

Concen: 46.584 ug/l

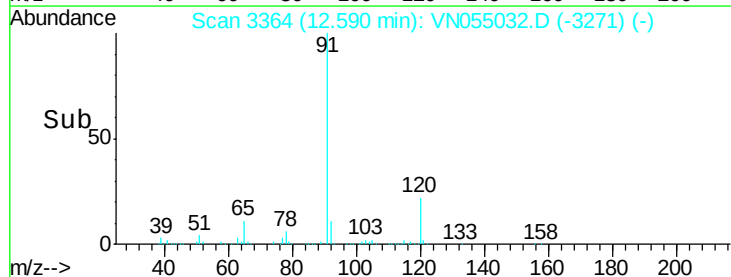
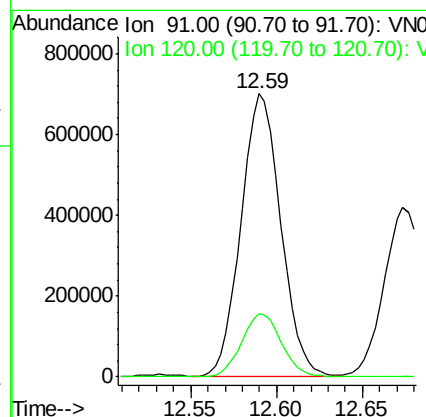
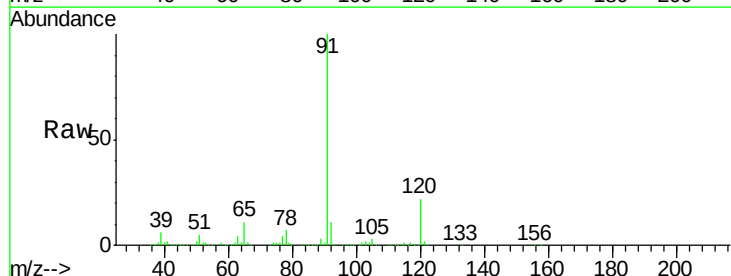
RT: 12.59 min Scan# 3364

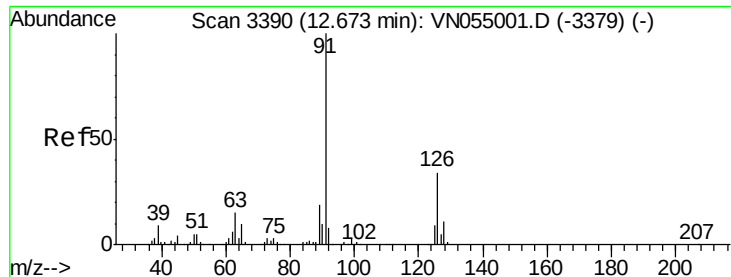
Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Tgt Ion:	91	Resp:	1120044
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 46.859 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 696002

Ion Ratio Lower Upper

91 100

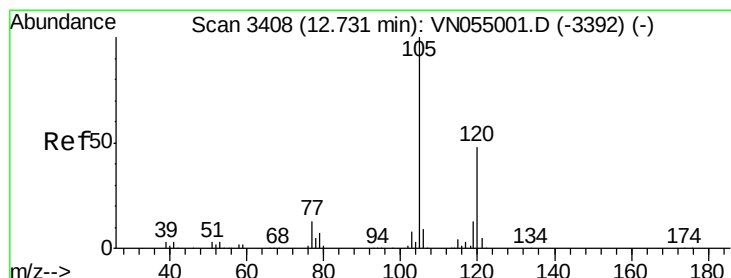
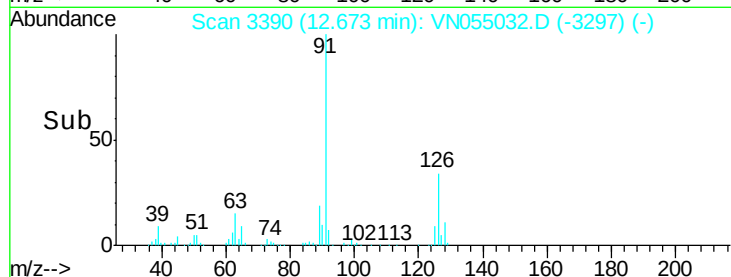
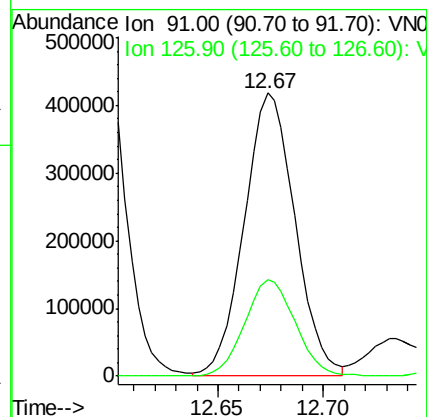
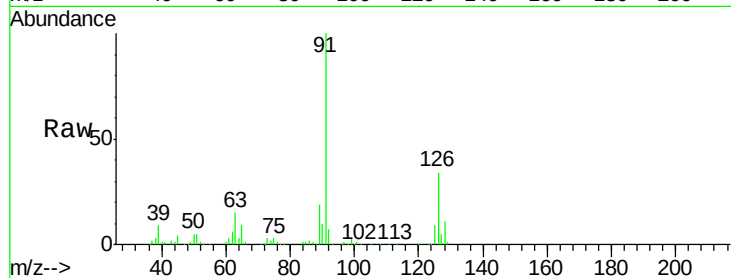
126 34.3 17.1 51.2

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#80

1,3,5-Trimethylbenzene

Concen: 45.953 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055032.D

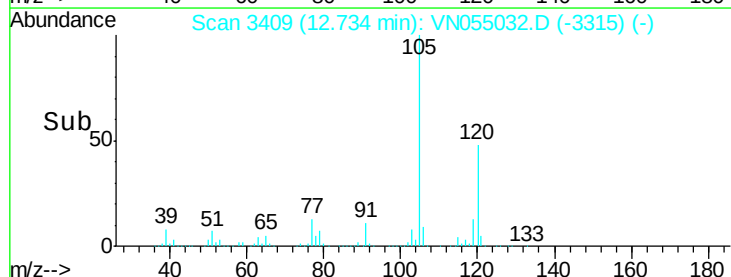
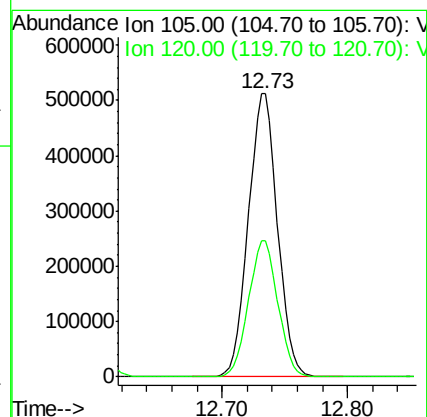
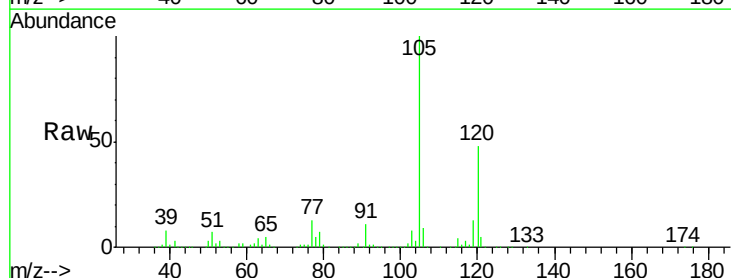
Acq: 13 Apr 2019 16:21

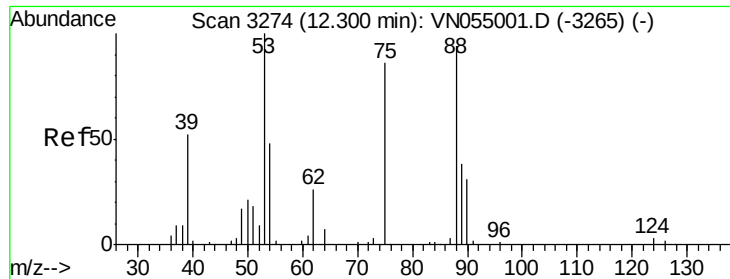
Tgt Ion: 105 Resp: 825562

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.8





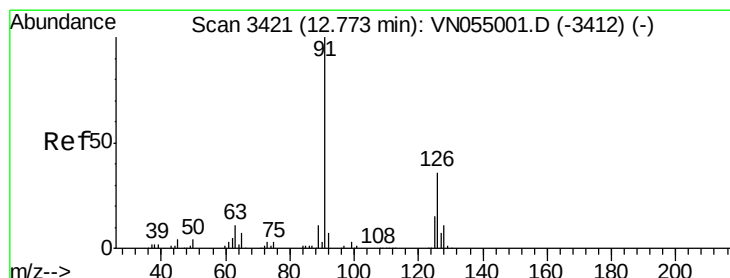
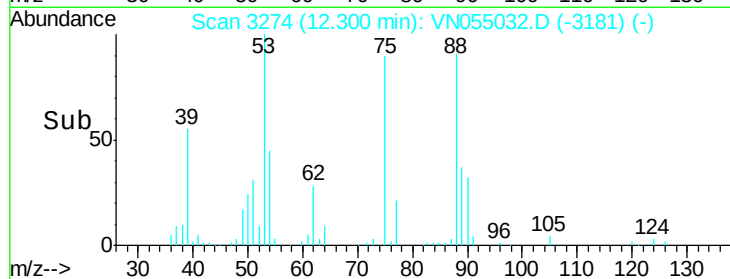
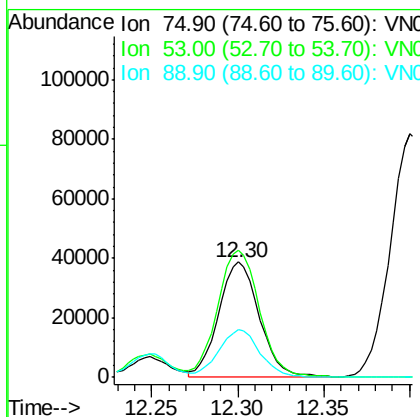
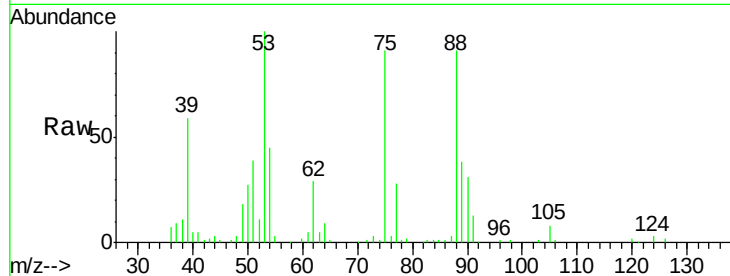
#81
trans-1,4-Dichloro-2-butene
Concen: 54.647 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.4	96.3	144.5
89	42.6	38.6	57.8

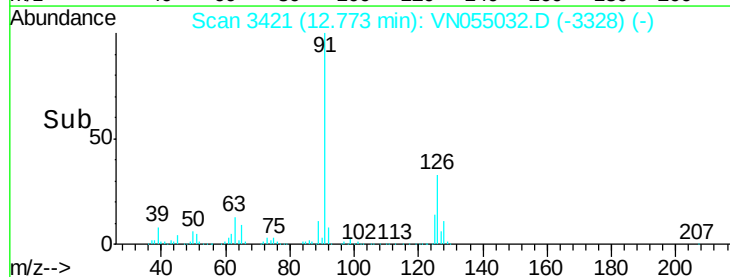
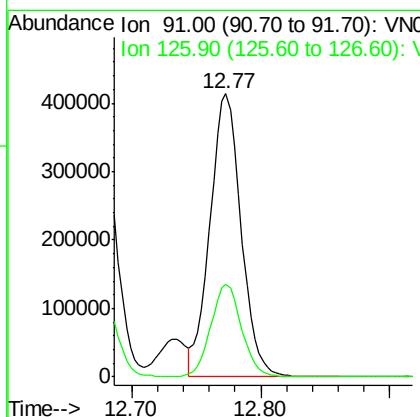
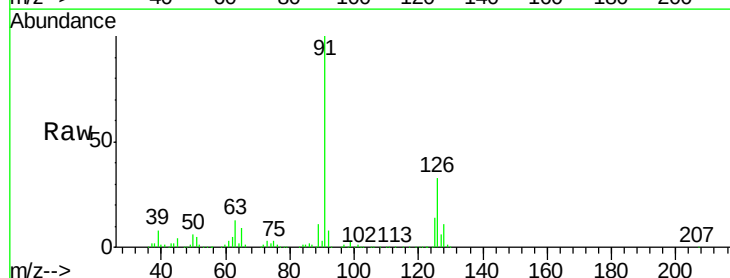
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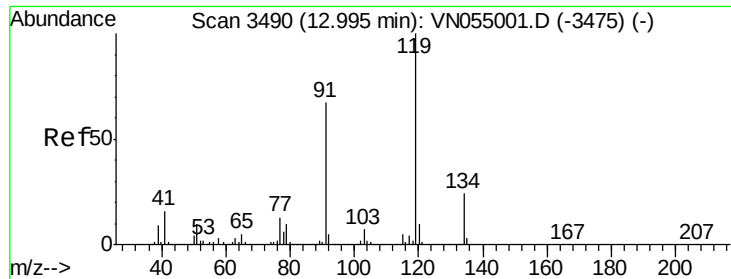
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#82
4-Chlorotoluene
Concen: 48.079 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.2





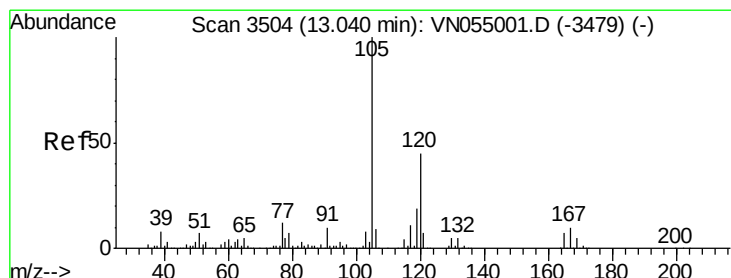
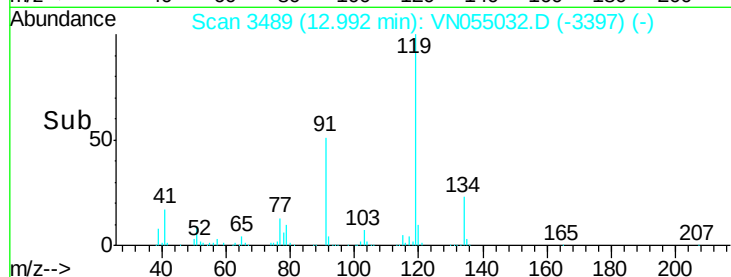
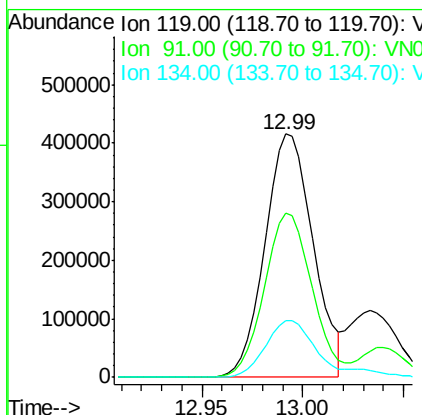
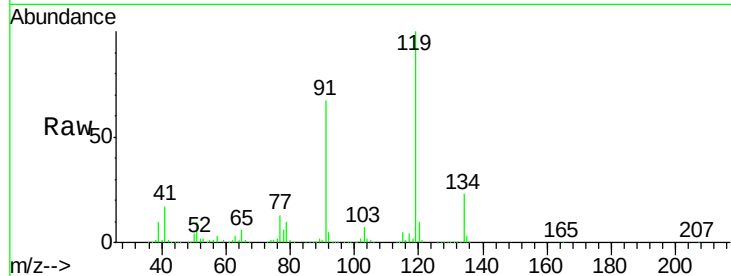
#83
 tert-Butylbenzene
 Concen: 44.851 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	690284		
91	66.3		33.3	99.8
134	23.9		12.3	36.9

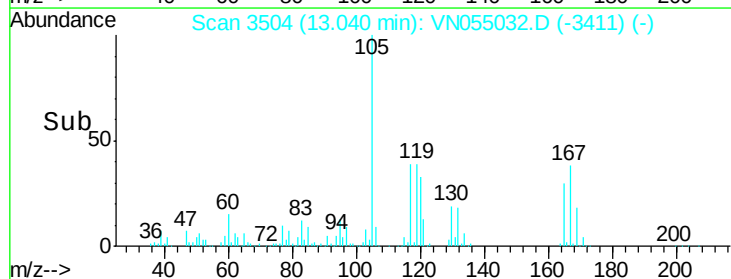
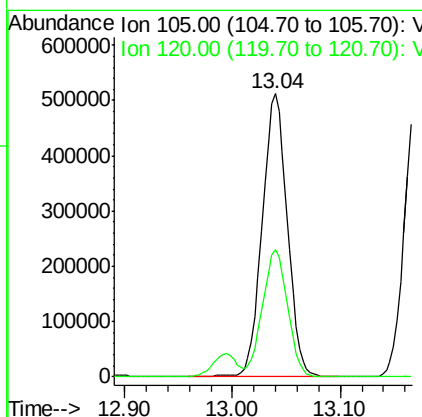
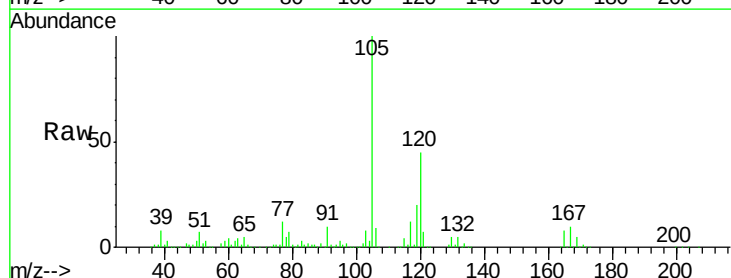
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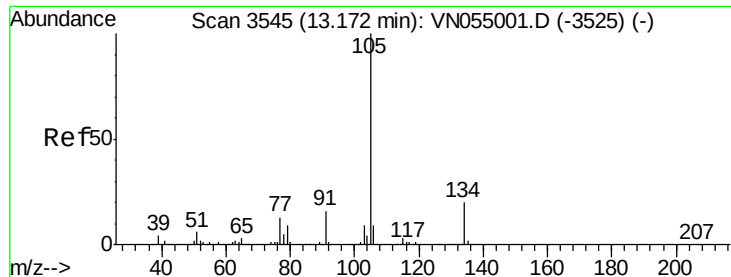
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.933 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	825716		
120	45.1		22.4	67.3





#85

sec-Butylbenzene

Concen: 44.573 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 875887

Ion Ratio Lower Upper

105 100

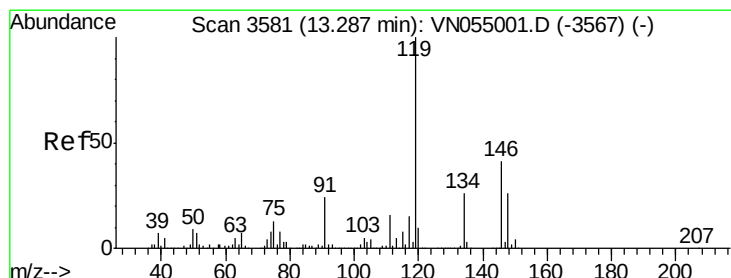
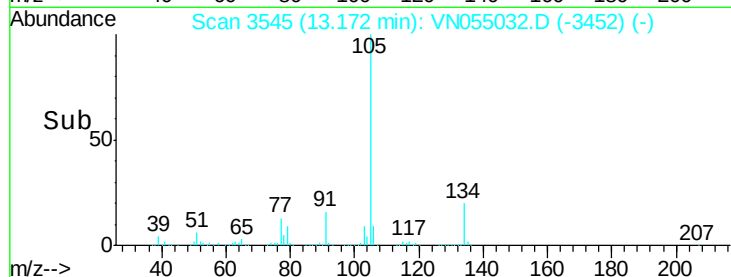
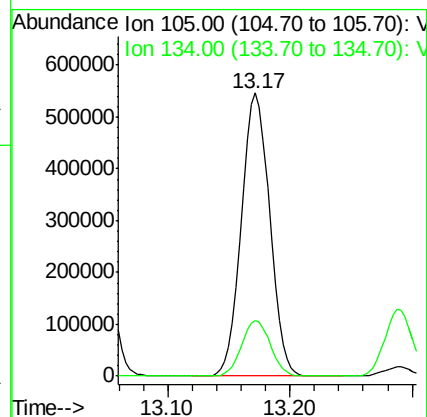
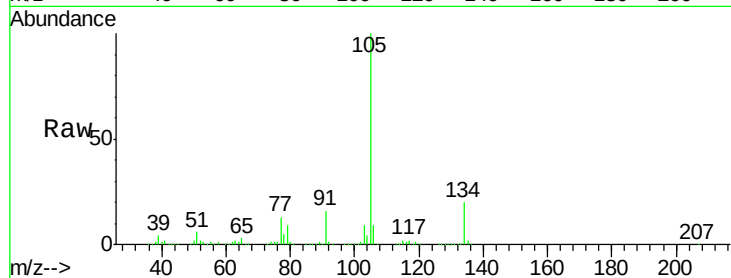
134 19.9 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 45.291 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

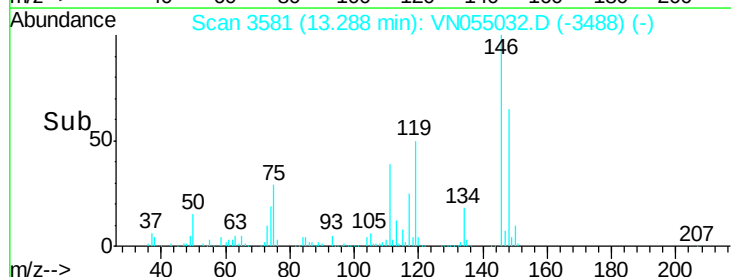
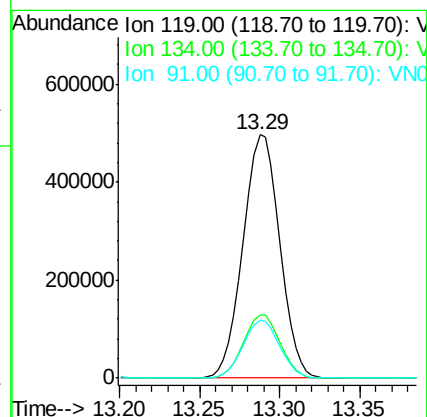
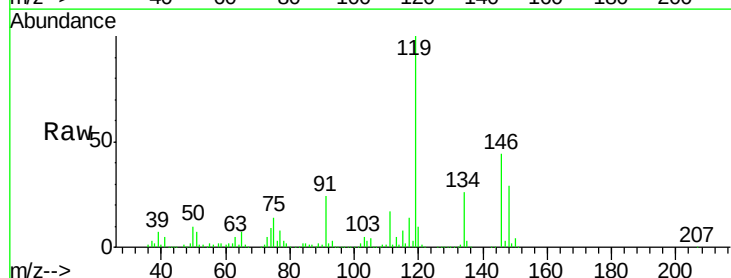
Tgt Ion:119 Resp: 774125

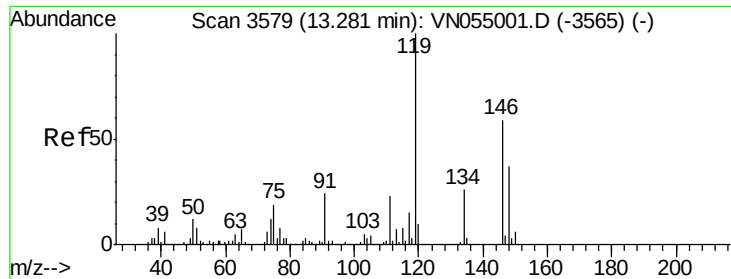
Ion Ratio Lower Upper

119 100

134 26.1 13.2 39.5

91 23.9 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 47.115 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

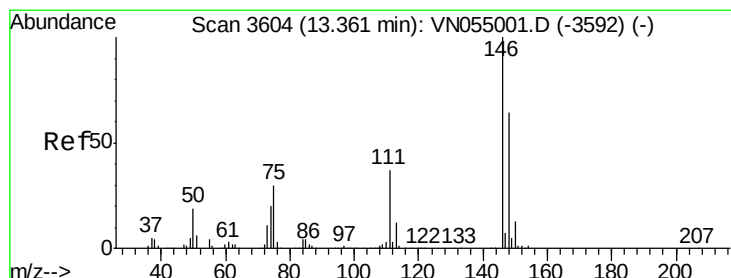
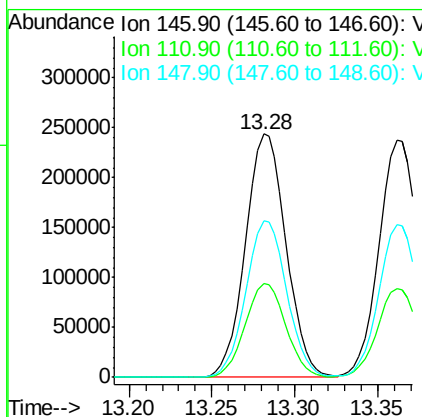
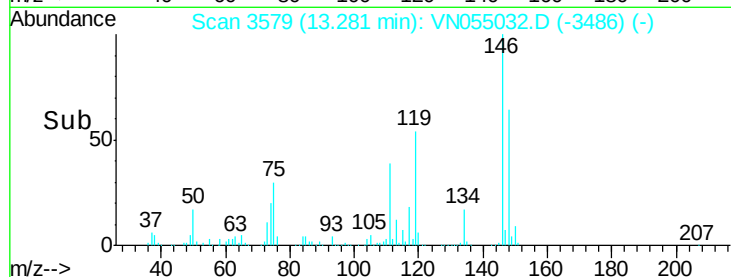
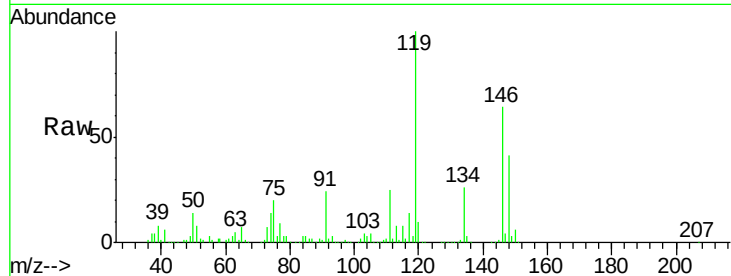
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	415375
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.5	58.5
148	64.7	31.6	94.7

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#88

1,4-Dichlorobenzene

Concen: 47.390 ug/l

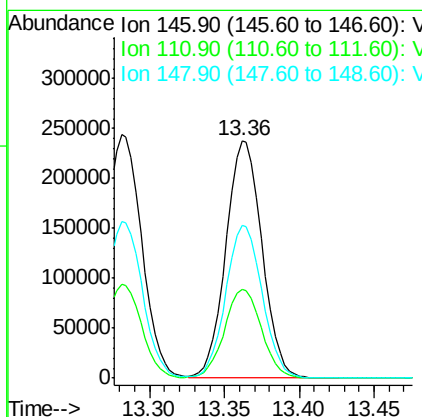
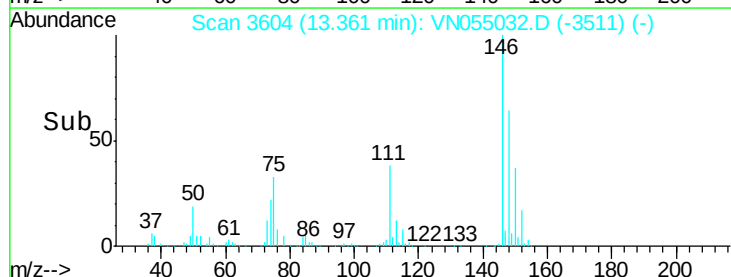
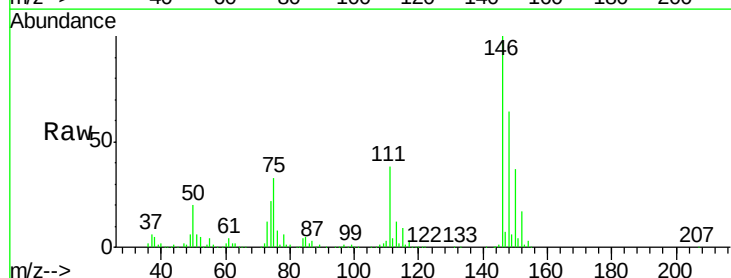
RT: 13.36 min Scan# 3604

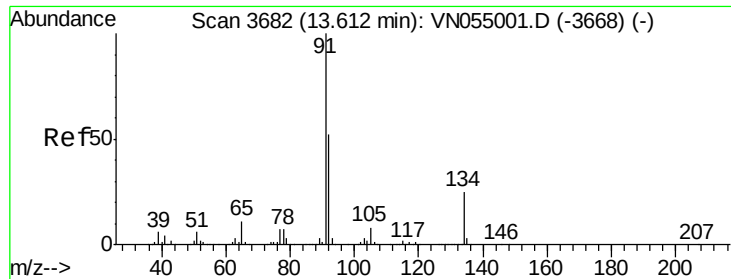
Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Tgt Ion:	146	Resp:	399593
Ion Ratio	Lower	Upper	
146	100		
111	38.4	18.8	56.4
148	65.1	32.4	97.2





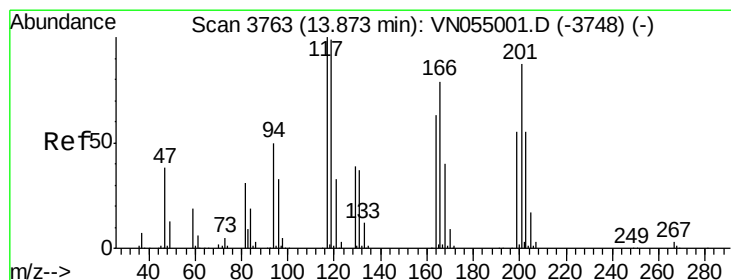
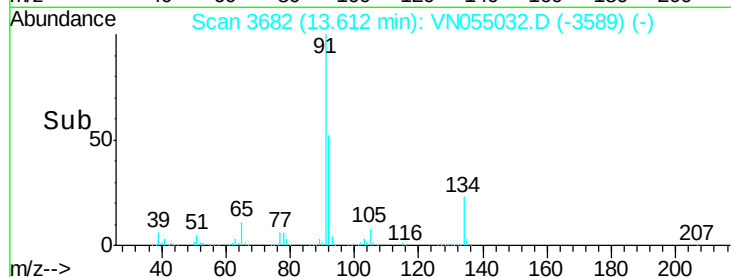
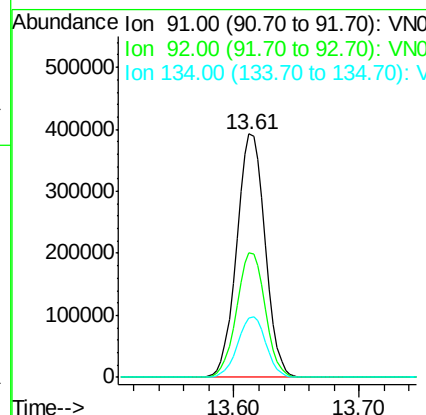
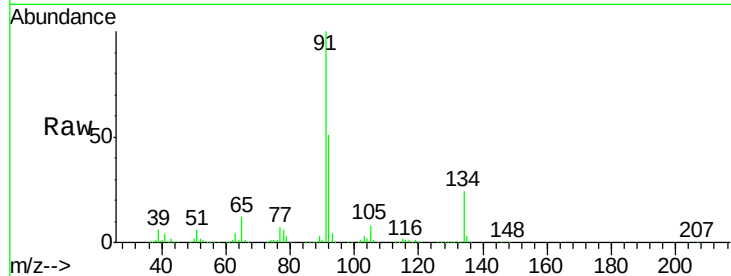
#89
n-Butylbenzene
Concen: 45.823 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.9	77.7
134	24.9	12.8	38.3

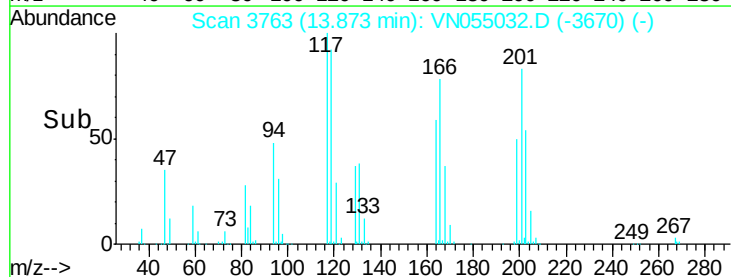
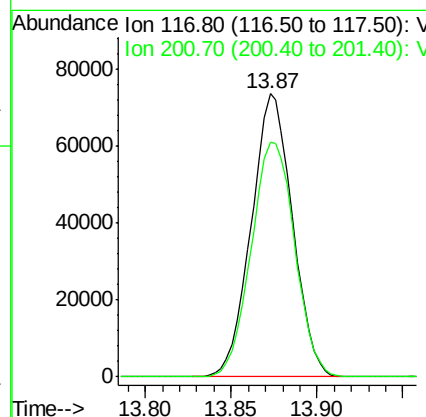
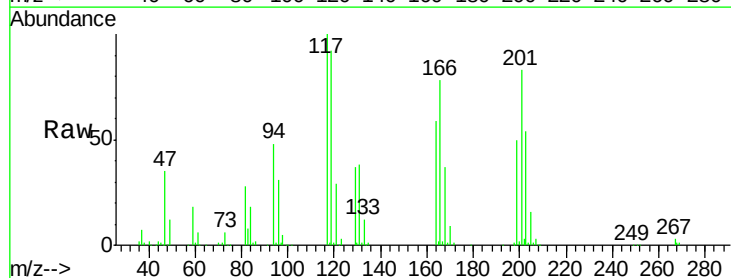
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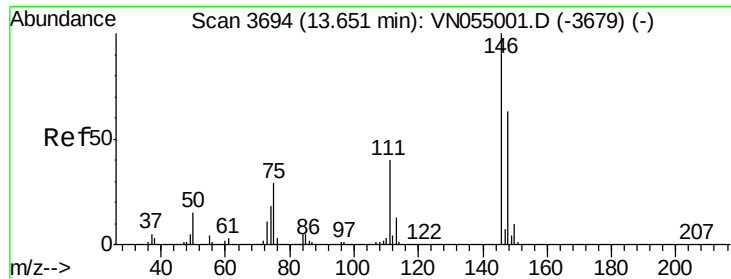
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#90
Hexachloroethane
Concen: 43.253 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.6	43.4	130.2





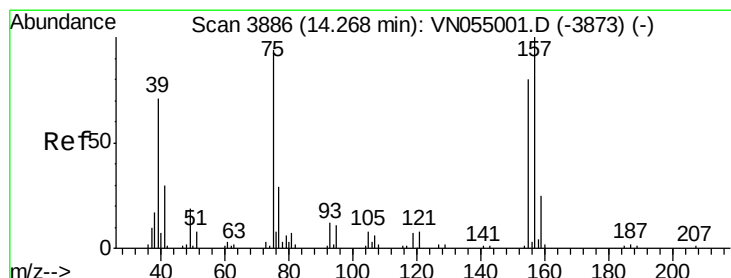
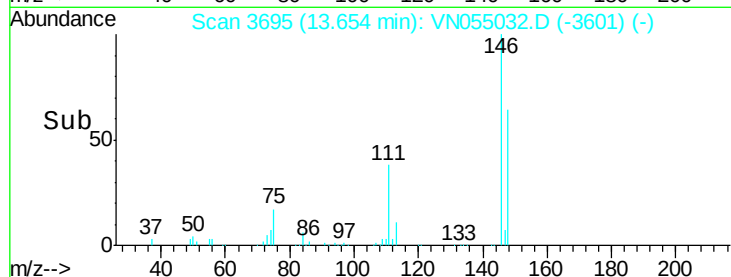
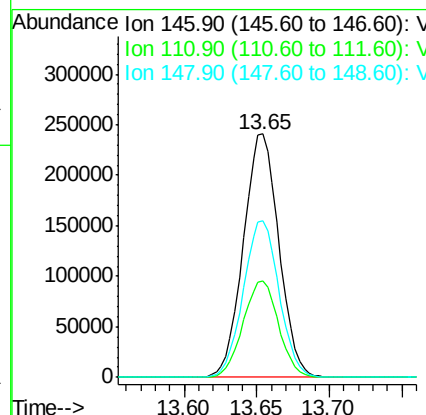
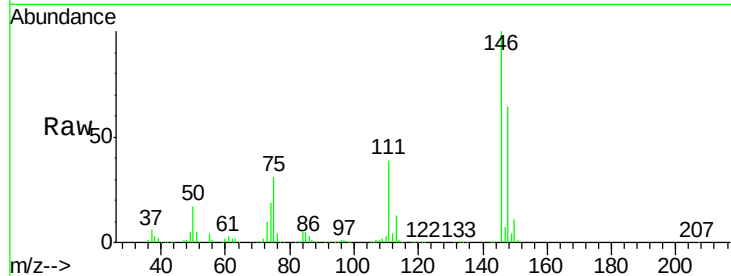
#91
 1,2-Dichlorobenzene
 Concen: 48.009 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.3	60.9
148	64.8	32.2	96.6

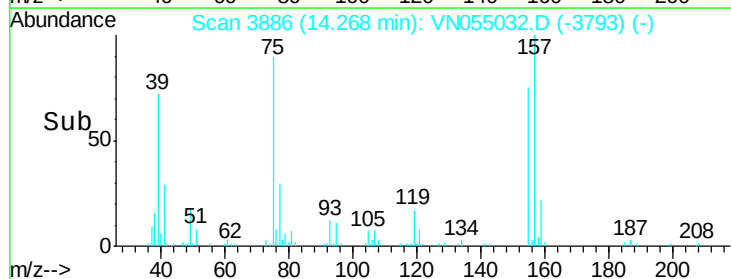
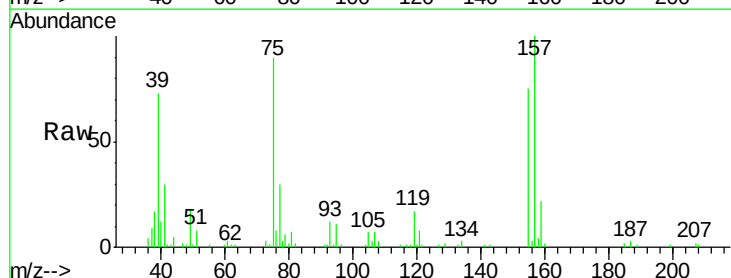
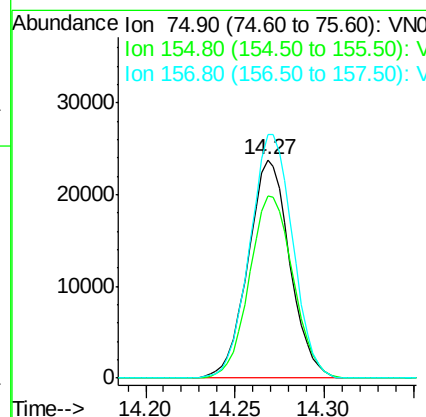
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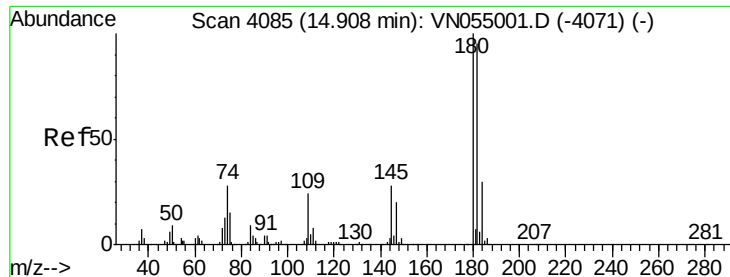
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.384 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.3	42.0	126.0
157	114.5	52.1	156.4





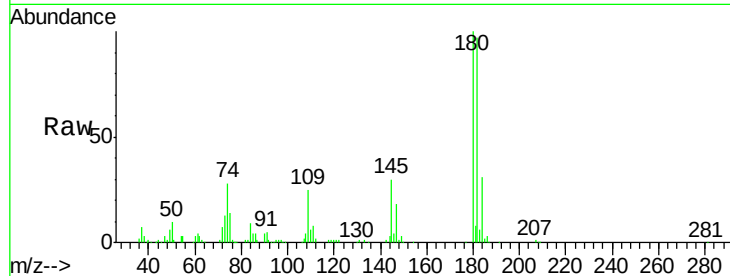
#93
 1,2,4-Trichlorobenzene
 Concen: 42.770 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

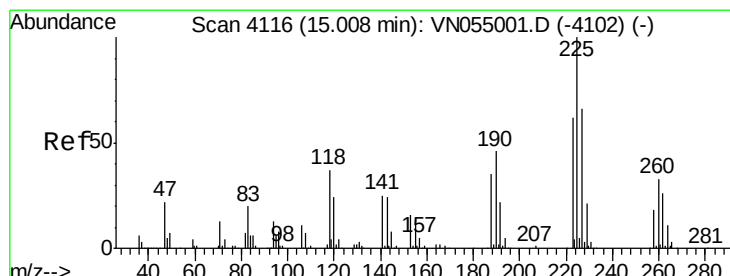
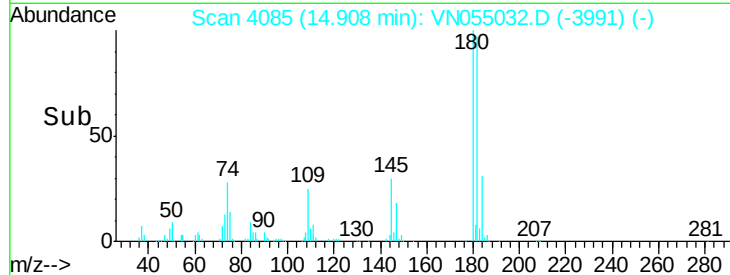
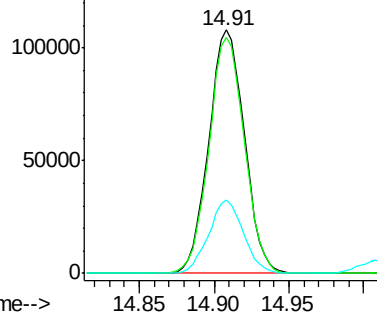
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.5	142.6
145	29.3	14.2	42.8

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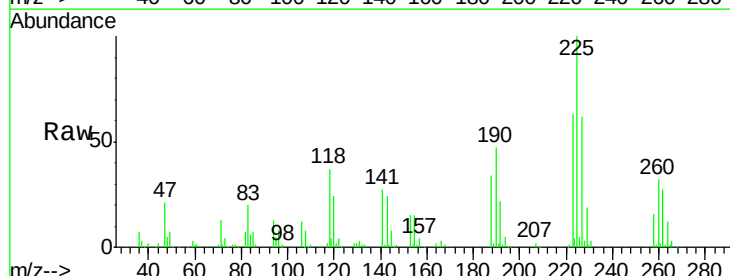


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

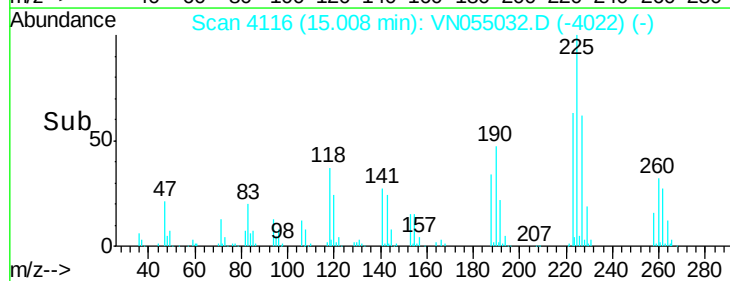
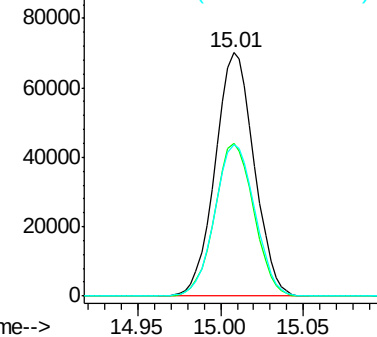


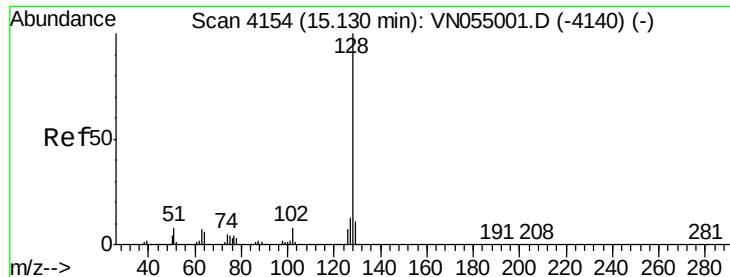
#94
 Hexachlorobutadiene
 Concen: 44.616 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.4	94.0
227	64.2	32.6	97.7



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: 45.630 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

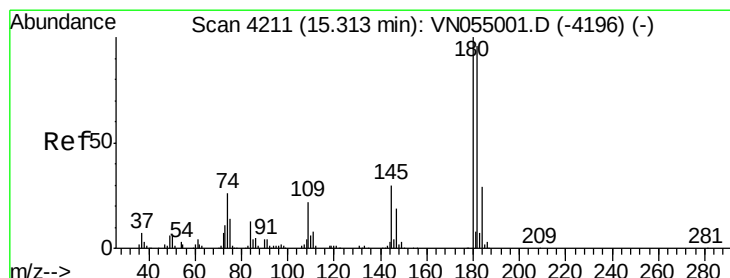
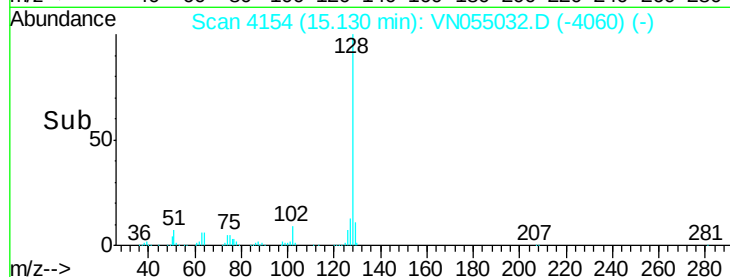
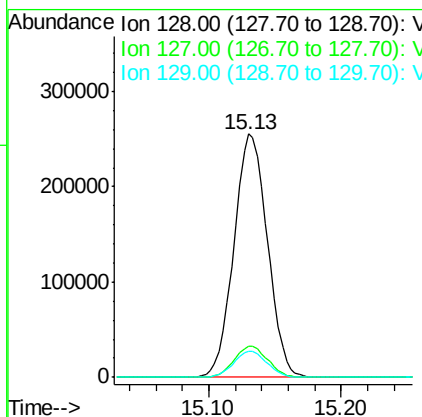
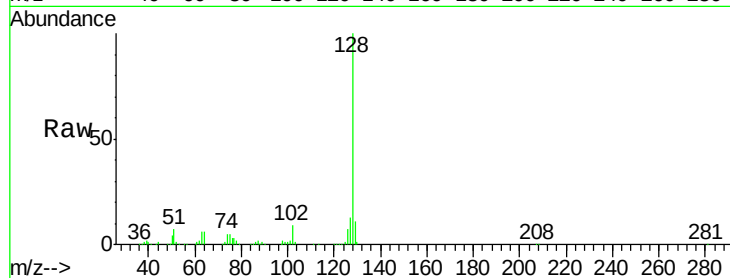
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	448139
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/17/2019 10:04:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.175 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Tgt Ion:	180	Resp:	185990
Ion Ratio	Lower	Upper	
180	100		
182	98.2	48.0	144.0
145	31.5	15.3	45.9

