

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020519\
 Data File : VN053622.D
 Acq On : 5 Feb 2019 16:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/6/2019 12:47:09 PM

Quant Time: Feb 06 04:44:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	732498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1135978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	994567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	486199	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	394130	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
35) Dibromofluoromethane	7.59	113	381028	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
50) Toluene-d8	10.09	98	1404569	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
62) 4-Bromofluorobenzene	12.40	95	473582	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	390264	47.277	ug/l	100
3) Chloromethane	2.06	50	443334	50.980	ug/l	100
4) Vinyl Chloride	2.19	62	432672	51.254	ug/l	99
5) Bromomethane	2.57	94	278967	50.541	ug/l	99
6) Chloroethane	2.71	64	248970	51.610	ug/l	98
7) Trichlorofluoromethane	3.02	101	571380	49.912	ug/l	99
8) Diethyl Ether	3.41	74	217998	52.143	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	346611	48.957	ug/l	98
10) Methyl Iodide	3.96	142	565567	50.895	ug/l	100
11) Tert butyl alcohol	4.78	59	126303	290.422	ug/l	99
12) 1,1-Dichloroethene	3.74	96	344534	50.793	ug/l	98
13) Acrolein	3.61	56	90963	384.164	ug/l	100
14) Allyl chloride	4.33	41	563021	52.131	ug/l	99
15) Acrylonitrile	4.99	53	659794	281.029	ug/l	100
16) Acetone	3.81	43	440953	233.943	ug/l	99
17) Carbon Disulfide	4.06	76	1000903	47.389	ug/l	100
18) Methyl Acetate	4.32	43	312277	55.943	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	950714	55.289	ug/l	98
20) Methylene Chloride	4.55	84	391449	49.502	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	370392	50.614	ug/l	98
22) Diisopropyl ether	5.95	45	1097423	54.839	ug/l	98
23) Vinyl Acetate	5.90	43	3872921	279.757	ug/l	99
24) 1,1-Dichloroethane	5.85	63	680517	50.984	ug/l	99
25) 2-Butanone	6.83	43	721276	268.307	ug/l	99
26) 2,2-Dichloropropane	6.82	77	491361	48.224	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	427212	52.500	ug/l	98
28) Bromochloromethane	7.19	49	295085	50.944	ug/l	97
29) Tetrahydrofuran	7.21	42	490377	284.078	ug/l	99
30) Chloroform	7.37	83	670858	50.702	ug/l	99
31) Cyclohexane	7.66	56	609264	49.023	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	566701	51.465	ug/l	99
36) 1,1-Dichloropropene	7.79	75	514818	50.274	ug/l	99
37) Ethyl Acetate	6.93	43	324615	56.759	ug/l	98
38) Carbon Tetrachloride	7.78	117	499457	48.417	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	596217	49.076	ug/l	98
40) Benzene	8.04	78	1562633	49.485	ug/l	100
41) Methacrylonitrile	7.17	41	172466	53.956	ug/l	91
42) 1,2-Dichloroethane	8.12	62	466348	49.738	ug/l	99
43) Isopropyl Acetate	8.16	43	588579	53.290	ug/l	98
44) Trichloroethene	8.84	130	432672	48.128	ug/l	99
45) 1,2-Dichloropropane	9.12	63	407866	50.498	ug/l	100
46) Dibromomethane	9.21	93	243039	49.917	ug/l	98
47) Bromodichloromethane	9.40	83	511910	50.568	ug/l	99
48) Methyl methacrylate	9.20	41	278017	52.733	ug/l	95
49) 1,4-Dioxane	9.20	88	79524	1039.367	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1509523	278.125	ug/l	100
52) Toluene	10.16	92	950611	50.723	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	527092	51.997	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	617158	51.378	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	351364	52.029	ug/l	98
56) Ethyl methacrylate	10.43	69	445826	55.804	ug/l	98
57) 1,3-Dichloropropane	10.71	76	590777	51.186	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1195772	241.620	ug/l	99
59) 2-Hexanone	10.75	43	981282	266.322	ug/l	99
60) Dibromochloromethane	10.90	129	395016	51.870	ug/l	100
61) 1,2-Dibromoethane	11.01	107	337754	50.530	ug/l	99
64) Tetrachloroethene	10.63	164	411798	48.301	ug/l	99
65) Chlorobenzene	11.44	112	1044291	49.432	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	378640	51.321	ug/l	99
67) Ethyl Benzene	11.51	91	1749288	50.407	ug/l	100
68) m/p-Xylenes	11.62	106	1357359	102.482	ug/l	99
69) o-Xylene	11.95	106	663364	51.842	ug/l	99
70) Styrene	11.96	104	1087224	52.422	ug/l	100
71) Bromoform	12.13	173	276784	54.721	ug/l #	99
73) Isopropylbenzene	12.25	105	1714971	50.176	ug/l	100
74) N-amyl acetate	12.07	43	460329	56.008	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	418334	51.141	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	345454m	55.318	ug/l	
77) Bromobenzene	12.53	156	458398	49.763	ug/l	99
78) n-propylbenzene	12.59	91	1980721	50.130	ug/l	100
79) 2-Chlorotoluene	12.68	91	1174481	50.103	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1479803	52.211	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	115731	52.111	ug/l	99
82) 4-Chlorotoluene	12.77	91	1196797	49.754	ug/l	100
83) tert-Butylbenzene	12.99	119	1292139	51.582	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1490564	51.619	ug/l	99
85) sec-Butylbenzene	13.17	105	1733503	50.853	ug/l	100
86) p-Isopropyltoluene	13.29	119	1537913	51.585	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	807619	48.772	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	802149	48.971	ug/l	100
89) n-Butylbenzene	13.62	91	1316357	51.011	ug/l	100
90) Hexachloroethane	13.88	117	253164	51.481	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	791558	49.932	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61303	52.585	ug/l	98

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VSTDCCC050EC

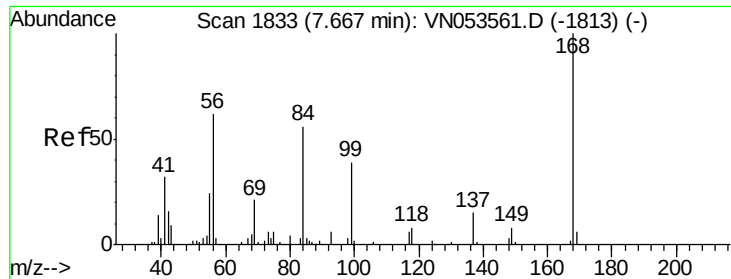
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	472932	52.016	ug/l	99
94) Hexachlorobutadiene	15.01	225	273023	48.219	ug/l	99
95) Naphthalene	15.13	128	1066377	49.931	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	435020	51.565	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 732498

Ion Ratio Lower Upper

168 100

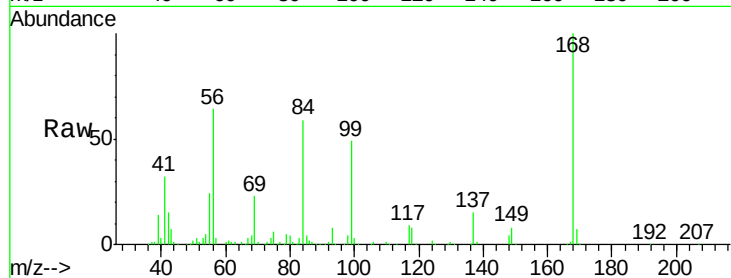
99 48.6 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

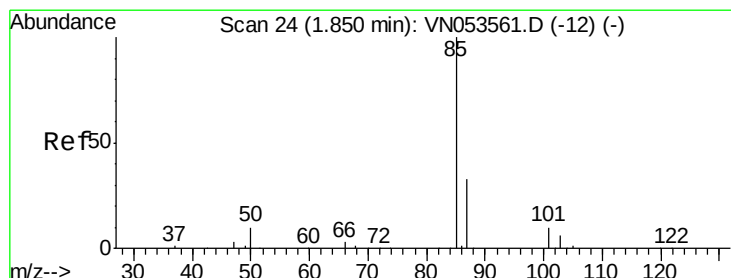
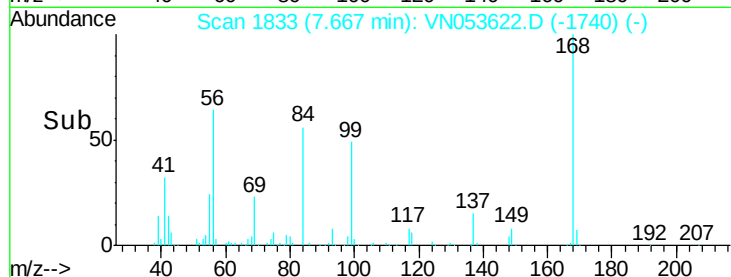
200000

100000

0

7.60 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.277 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053622.D

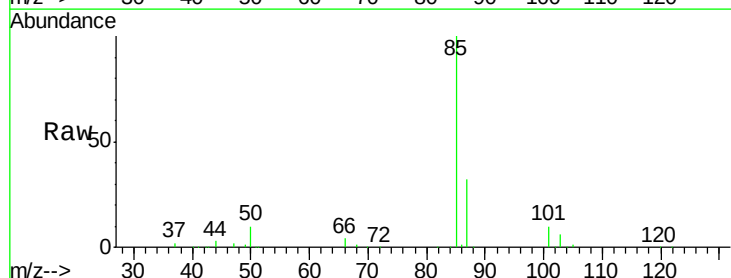
Acq: 5 Feb 2019 16:16

Tgt Ion: 85 Resp: 390264

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

150000

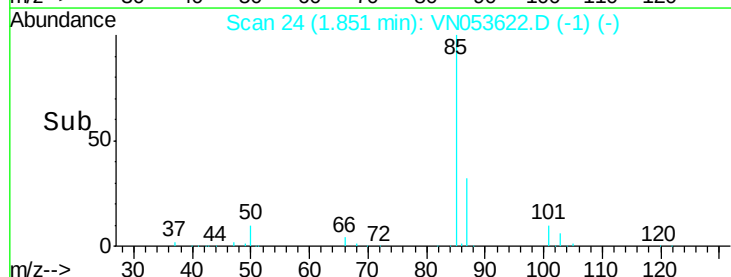
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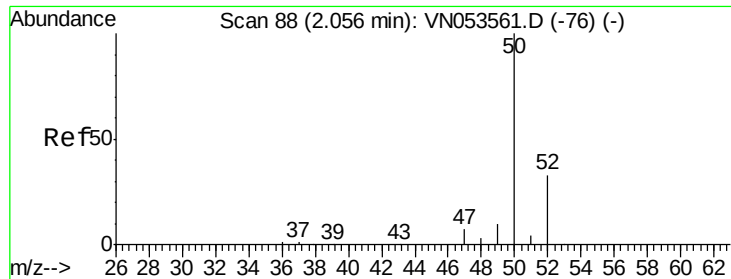
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0

1.80 1.90 2.00

Time-->





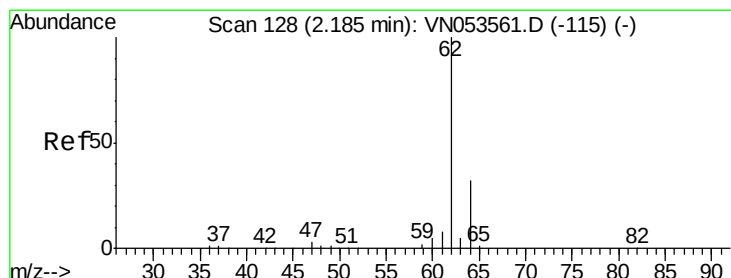
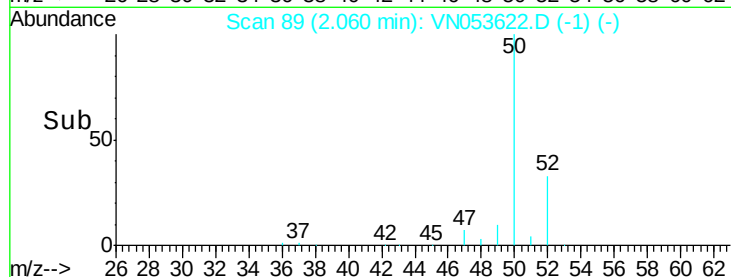
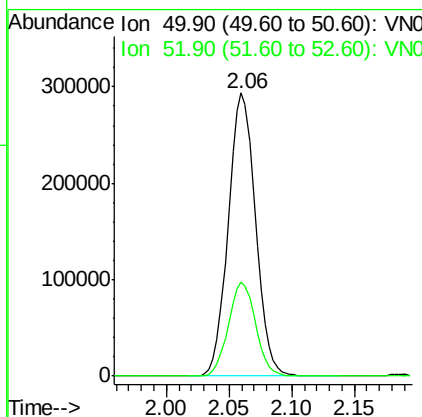
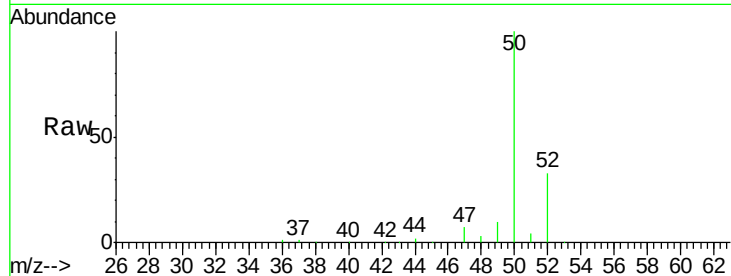
#3
Chloromethane
Concen: 50.980 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 50 Resp: 443334
Ion Ratio Lower Upper
50 100
52 33.1 26.6 40.0

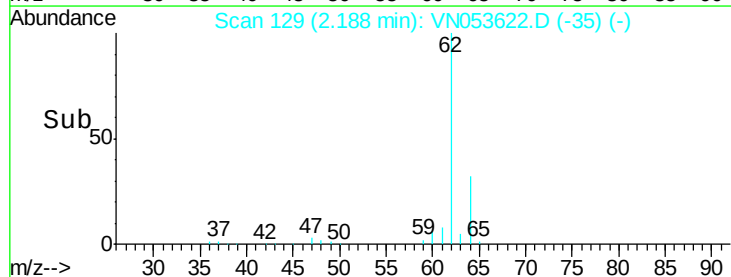
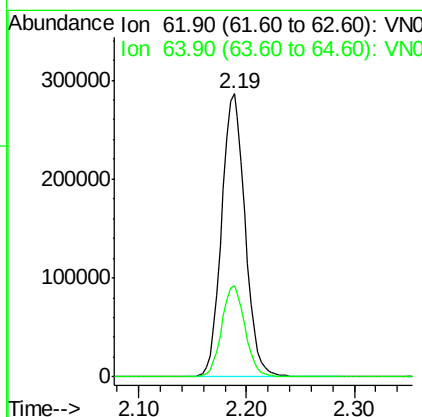
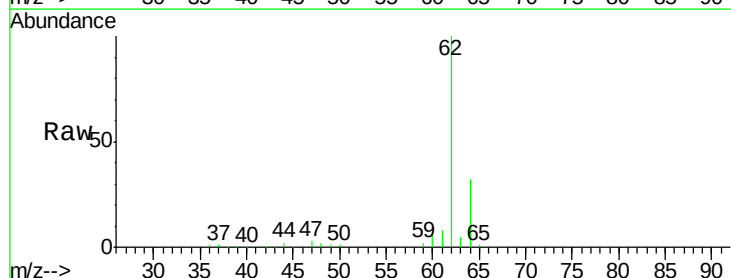
Manual Integrations
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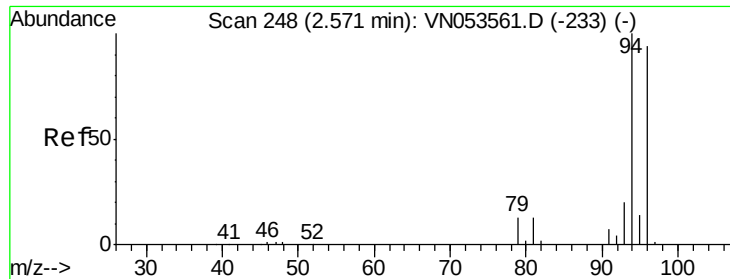
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#4
Vinyl Chloride
Concen: 51.254 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion: 62 Resp: 432672
Ion Ratio Lower Upper
62 100
64 32.1 25.4 38.2





#5

Bromomethane

Concen: 50.541 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 278967

Ion Ratio Lower Upper

94 100

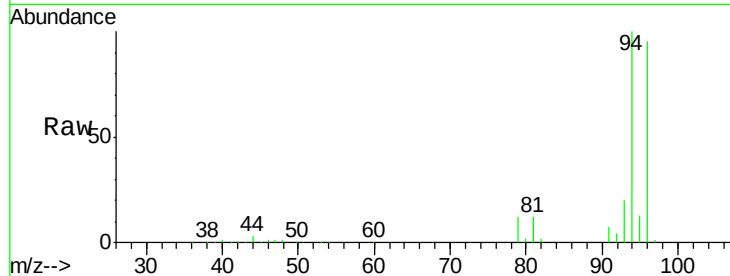
96 95.2 76.8 115.2

Manual Integrations

APPROVED

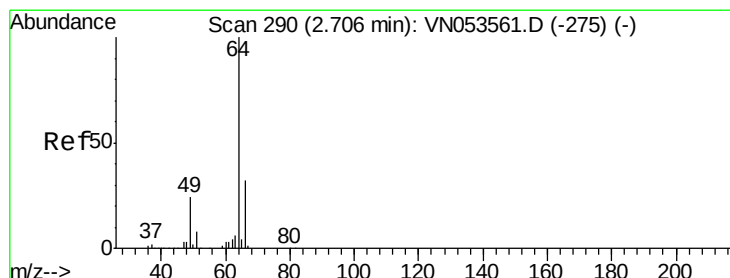
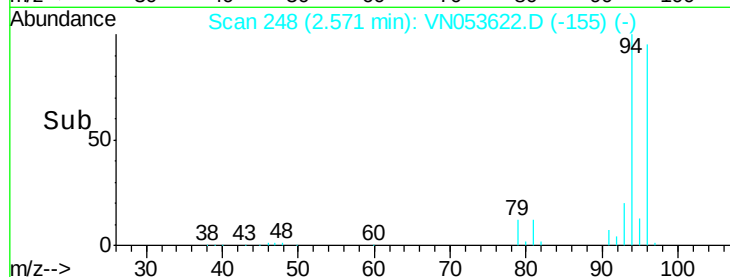
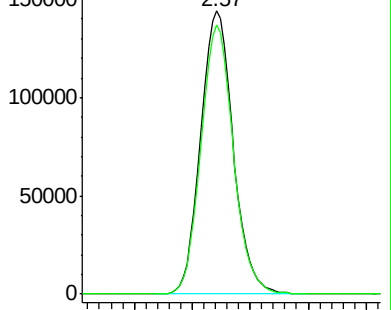
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 51.610 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053622.D

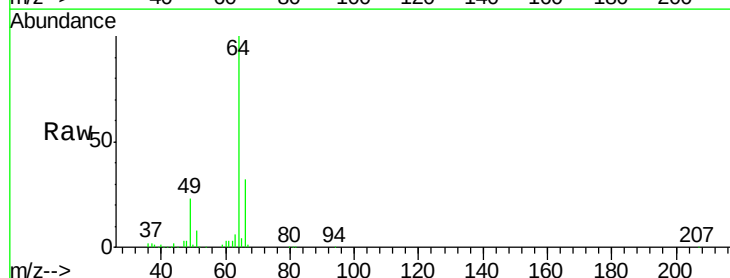
Acq: 5 Feb 2019 16:16

Tgt Ion: 64 Resp: 248970

Ion Ratio Lower Upper

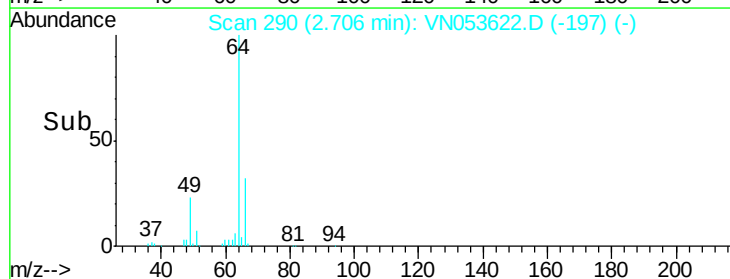
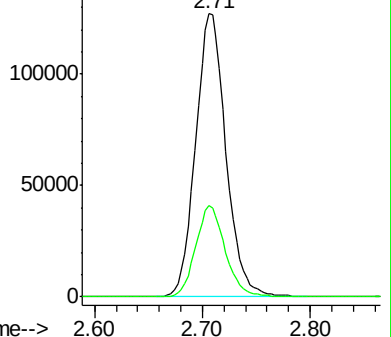
64 100

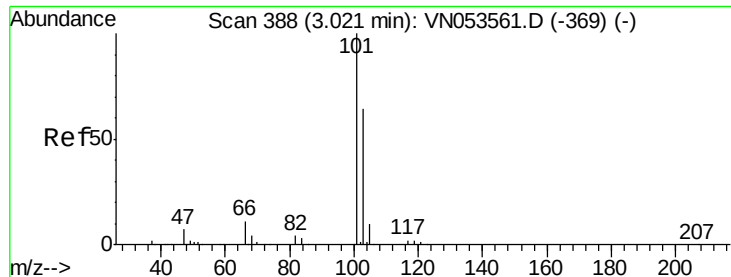
66 32.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

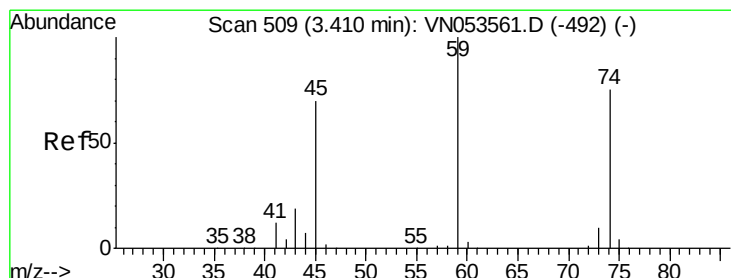
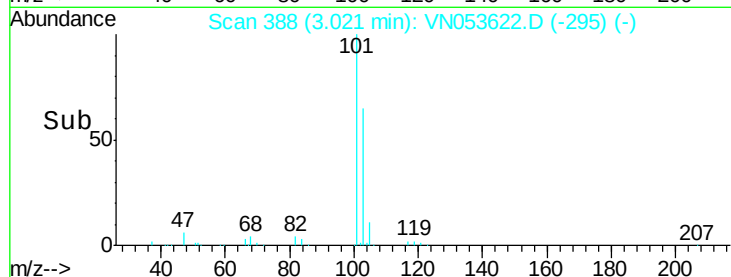
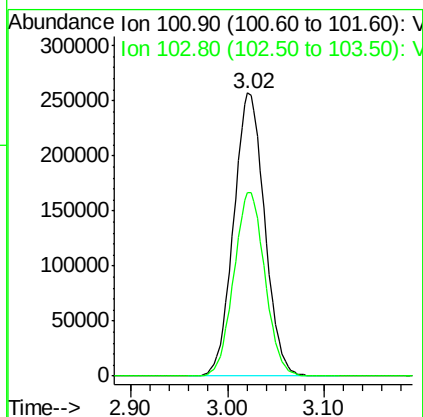
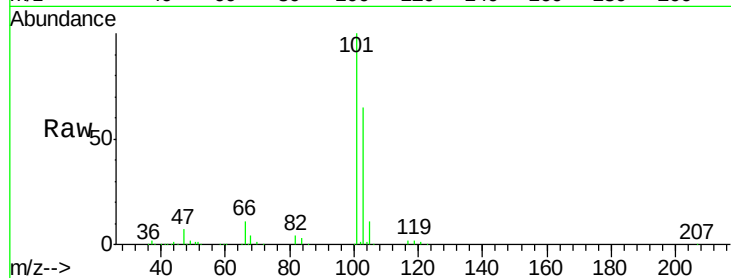
Trichlorofluoromethane
Concen: 49.912 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.6	77.4

Manual Integrations
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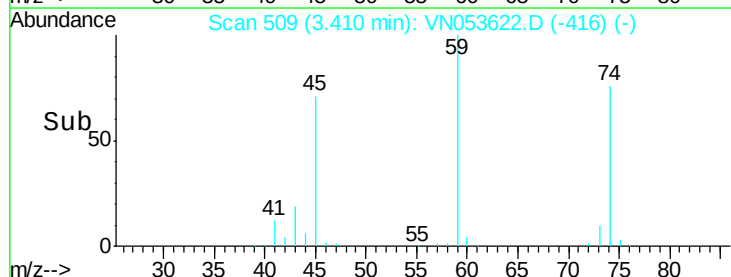
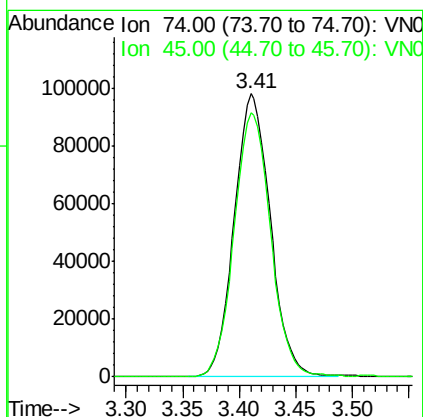
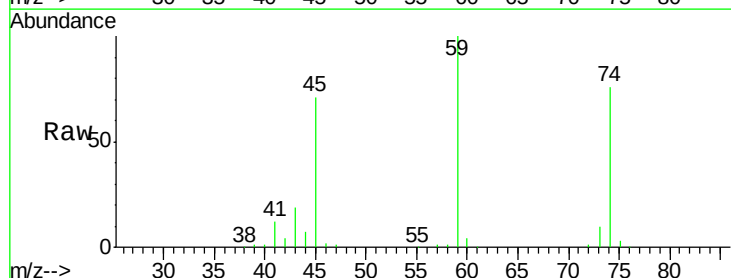
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2/6/2019 12:47:09 PM

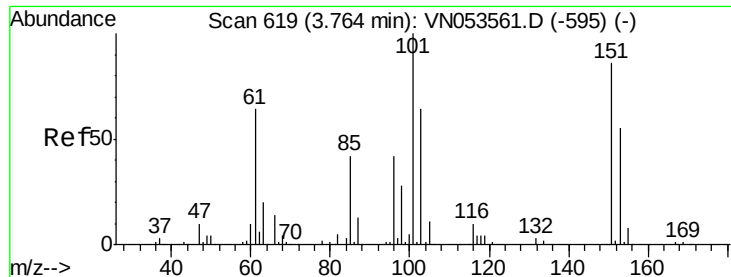


#8

Diethyl Ether
Concen: 52.143 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.957 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

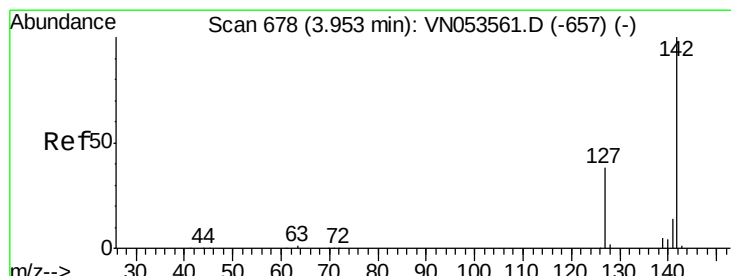
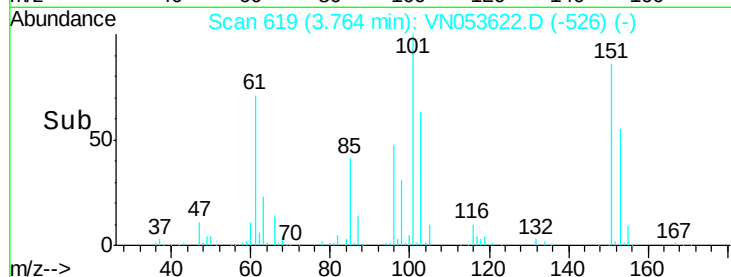
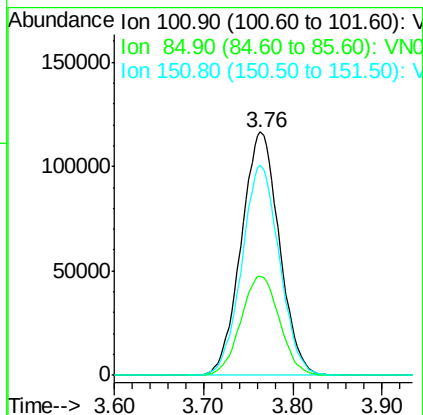
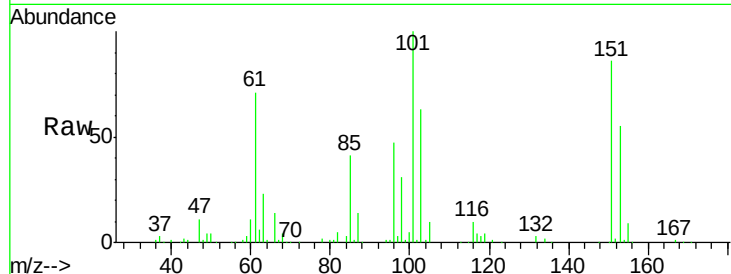
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	346611
Ion Ratio	Lower	Upper	
101	100		
85	41.3	32.8	49.2
151	85.5	66.9	100.3

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#10

Methyl Iodide

Concen: 50.895 ug/l

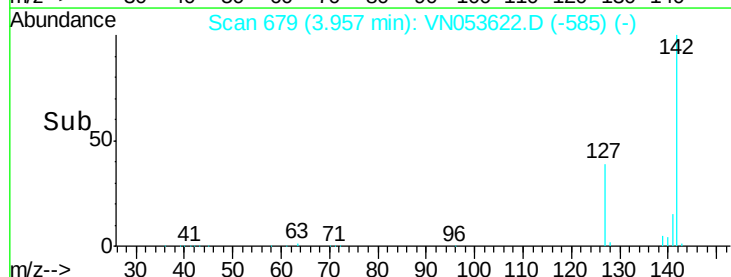
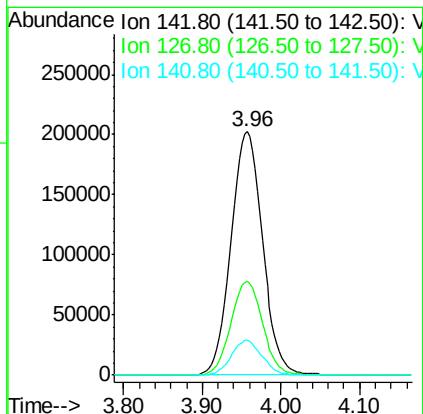
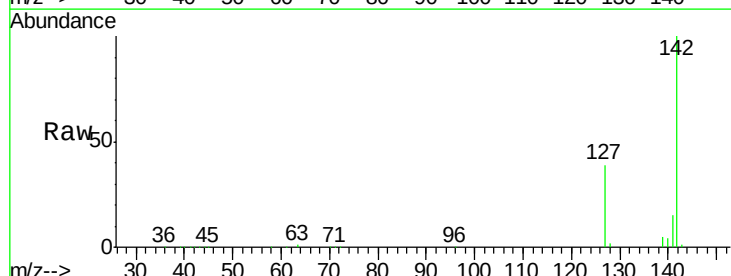
RT: 3.96 min Scan# 679

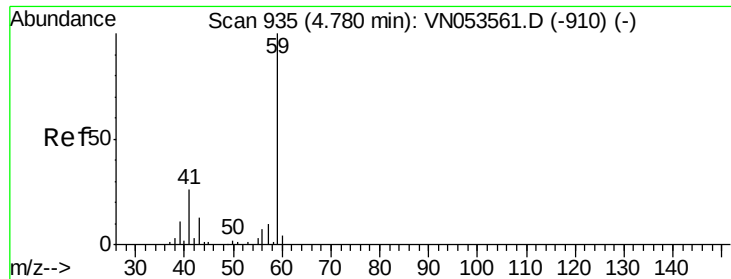
Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Tgt Ion:	142	Resp:	565567
Ion Ratio	Lower	Upper	
142	100		
127	38.6	31.0	46.4
141	14.1	11.1	16.7





#11

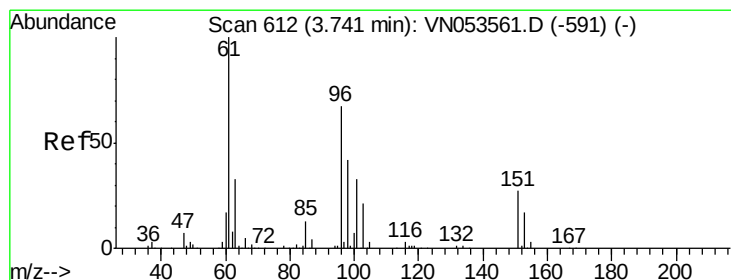
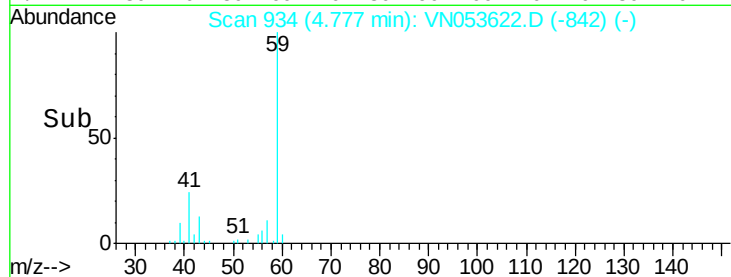
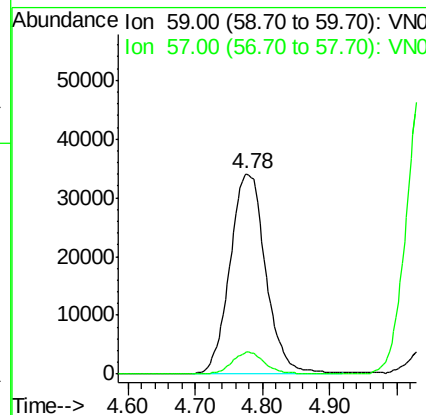
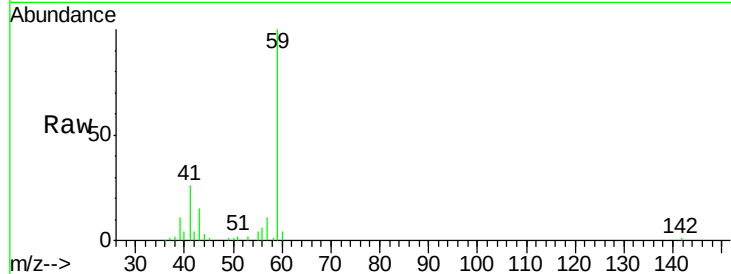
Tert butyl alcohol
Concen: 290.422 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	126303
Ion Ratio	100	Lower	Upper
57	9.9	8.2	12.4

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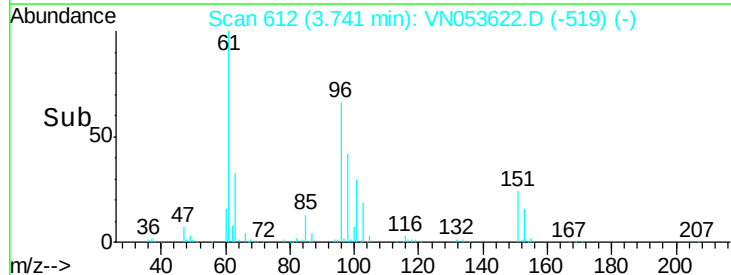
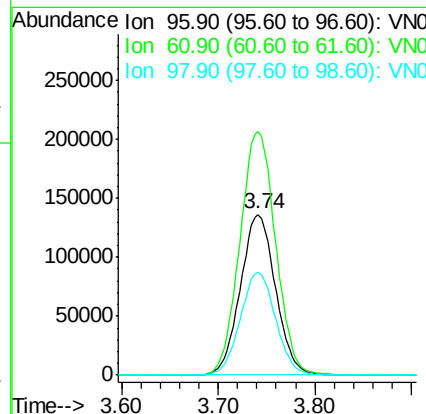
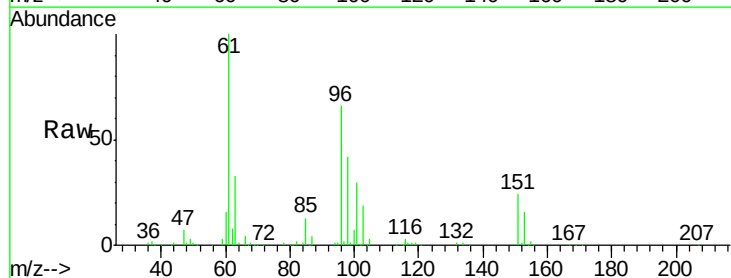
MMDadoda
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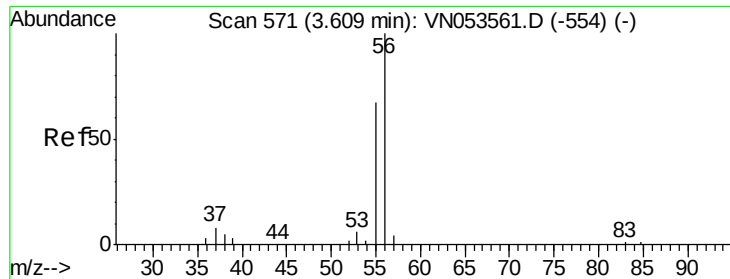


#12

1,1-Dichloroethene
Concen: 50.793 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion	96	Resp	344534
Ion Ratio	100	Lower	Upper
61	151.7	122.9	184.3
98	64.3	49.4	74.0





#13

Acrolein

Concen: 384.164 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 90963

Ion Ratio Lower Upper

56 100

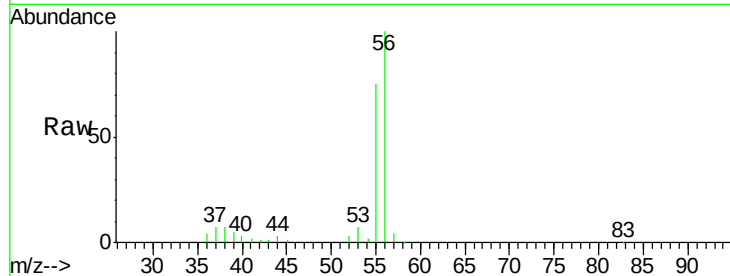
55 72.0 57.4 86.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN053561.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN053561.D (-554) (-)

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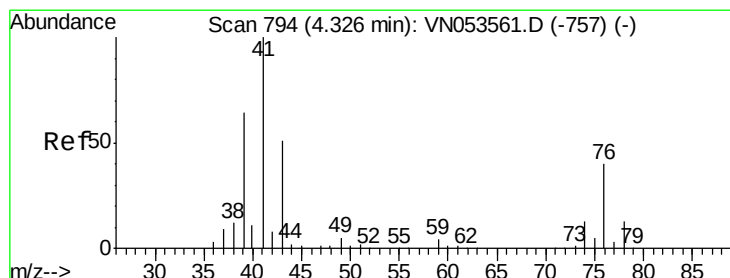
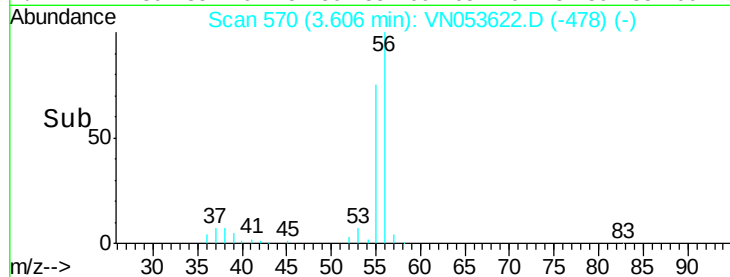
3.61

3.61

3.61

3.61

3.61



#14

Allyl chloride

Concen: 52.131 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

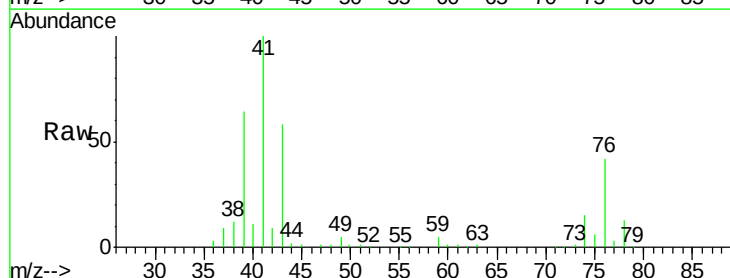
Tgt Ion: 41 Resp: 563021

Ion Ratio Lower Upper

41 100

39 60.3 48.9 73.3

76 37.9 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN053561.D (-757) (-)

Ion 39.00 (38.70 to 39.70): VN053561.D (-757) (-)

Ion 75.90 (75.60 to 76.60): VN053561.D (-757) (-)

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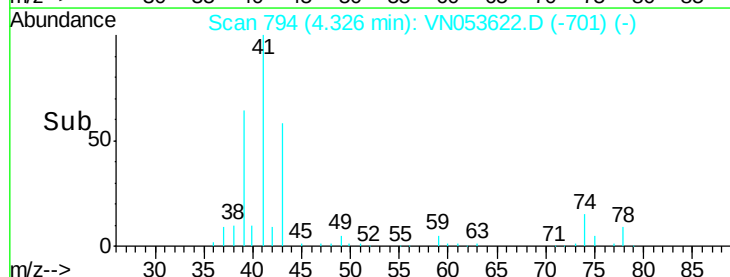
4.33

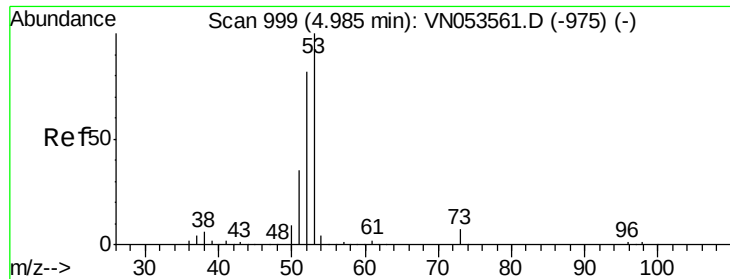
4.33

4.33

4.33

4.33





#15

Acrylonitrile

Concen: 281.029 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

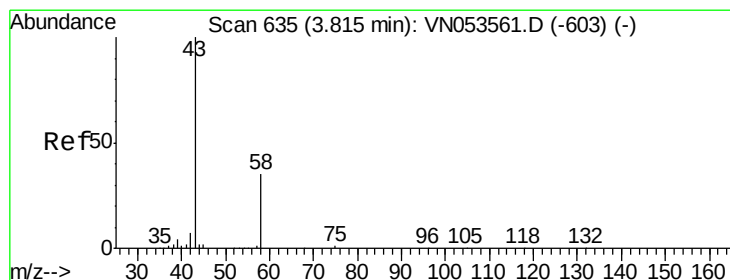
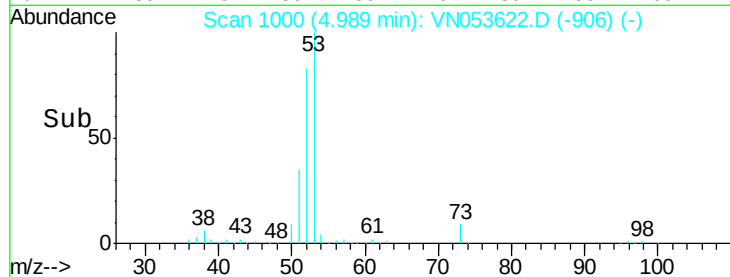
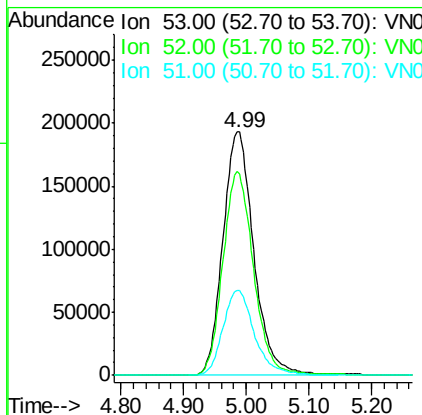
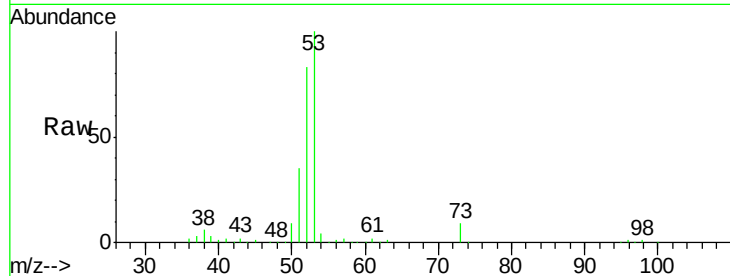
ClientSampled :

VSTDCCC050EC

Tot Ion:	53	Resp:	659794
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.0	99.0
51	35.6	28.3	42.5

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#16

Acetone

Concen: 233.943 ug/l

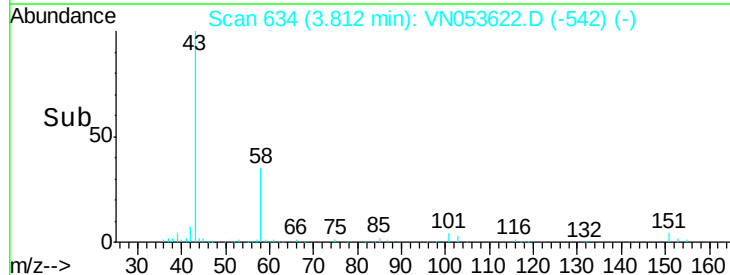
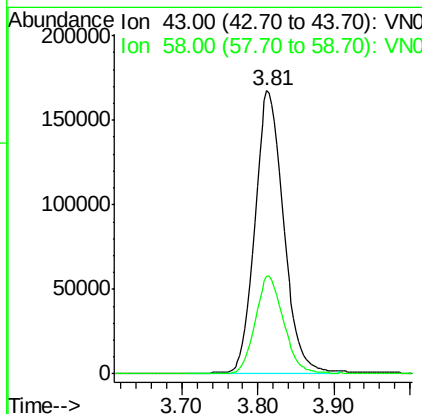
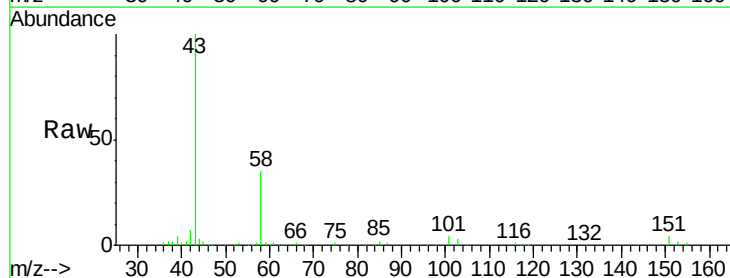
RT: 3.81 min Scan# 634

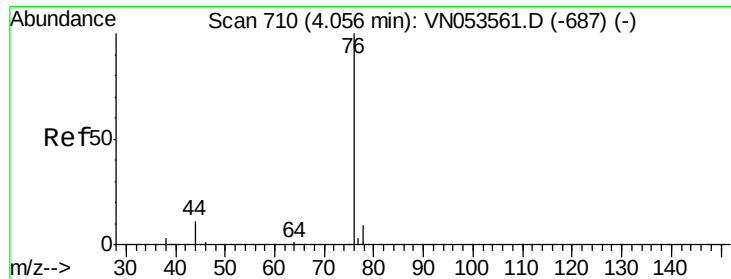
Delta R.T. -0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Tgt Ion:	43	Resp:	440953
Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.1	40.7





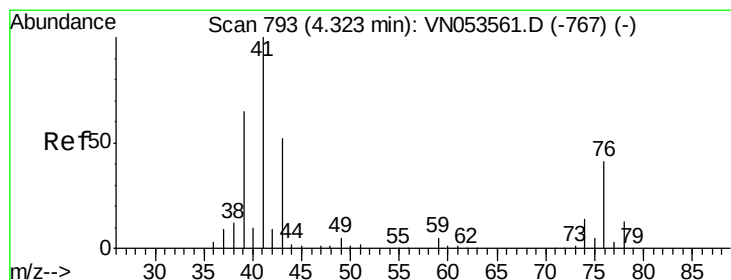
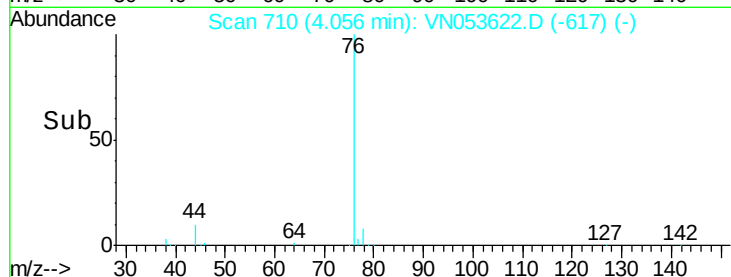
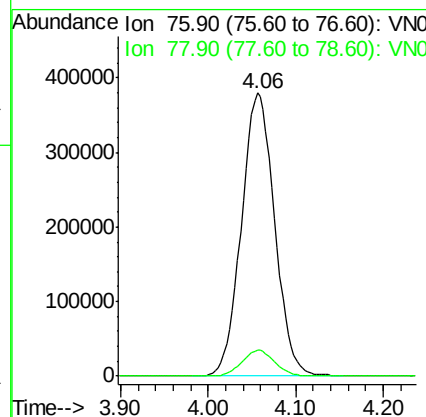
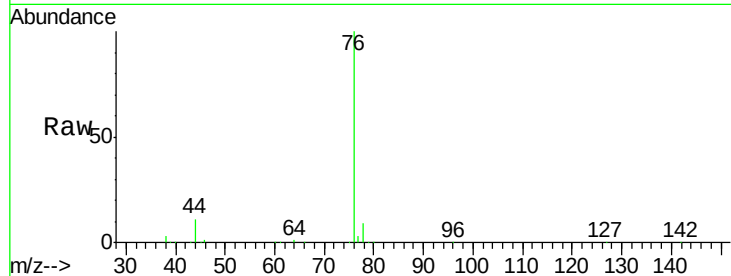
#17
Carbon Disulfide
Concen: 47.389 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1000903
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

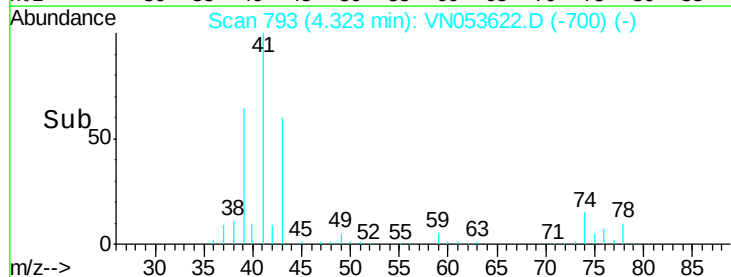
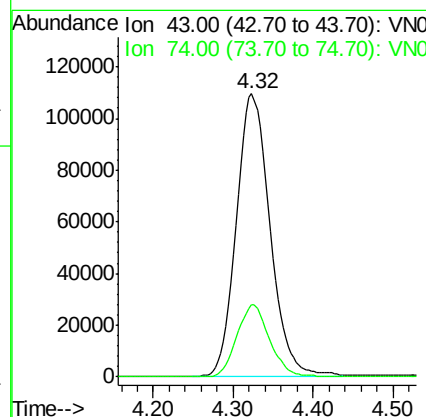
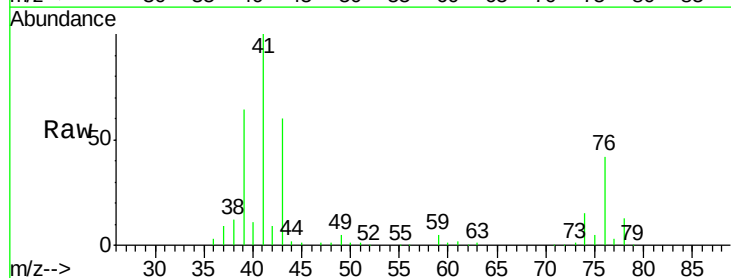
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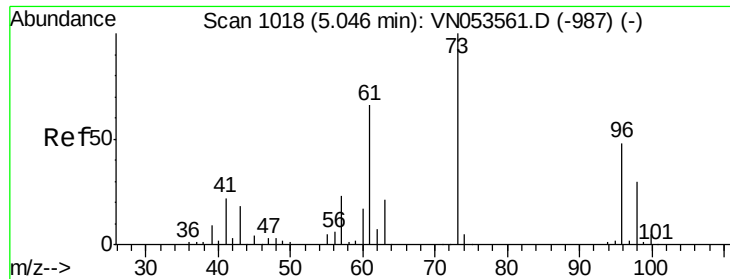
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#18
Methyl Acetate
Concen: 55.943 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion: 43 Resp: 312277
Ion Ratio Lower Upper
43 100
74 24.7 19.4 29.2





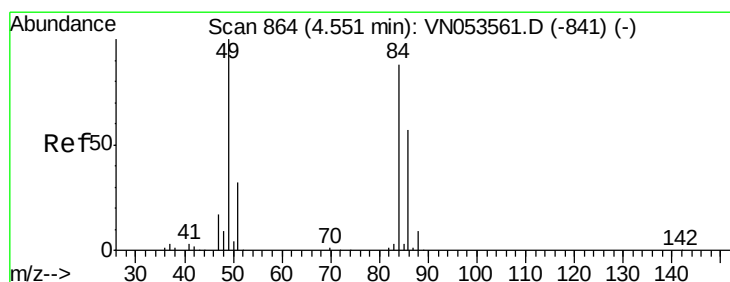
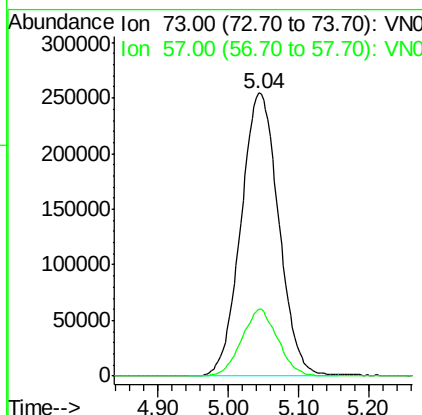
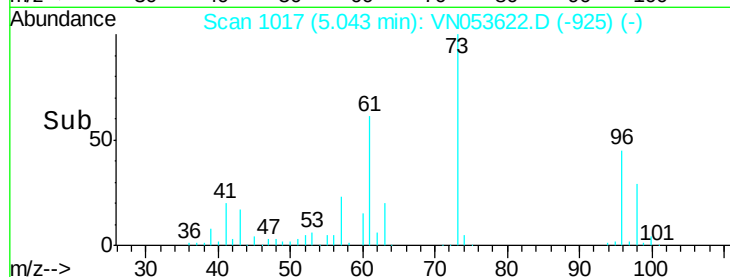
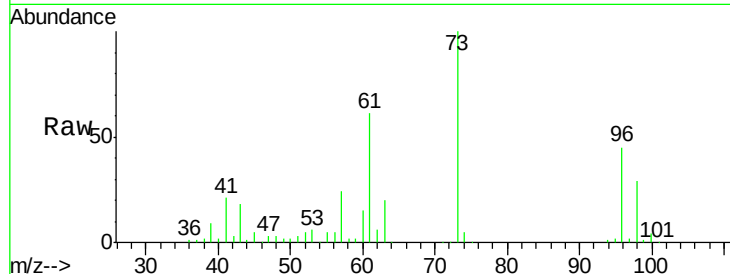
#19
Methyl tert-butyl Ether
Concen: 55.289 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 950714
Ion Ratio Lower Upper
73 100
57 23.7 18.3 27.5

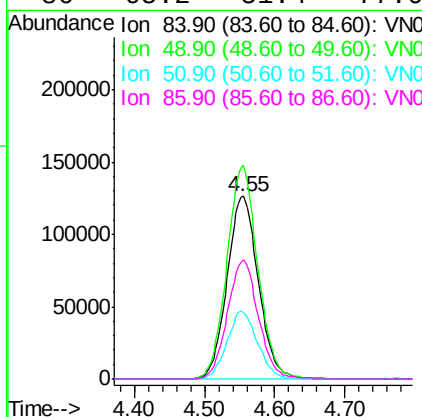
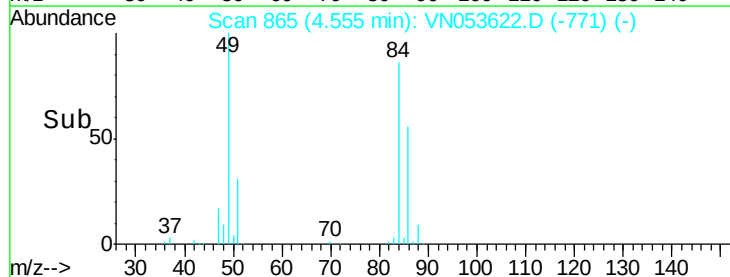
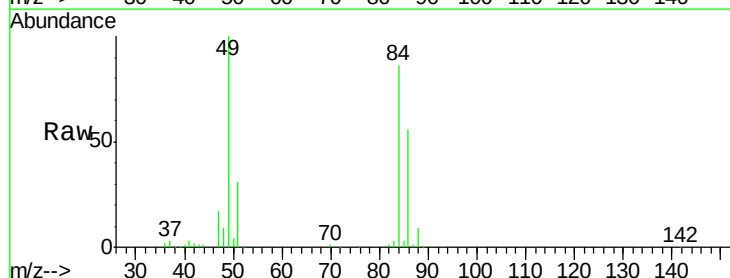
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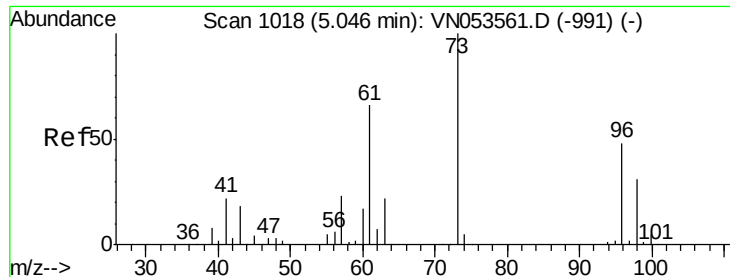
MMDadoda
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#20
Methylene Chloride
Concen: 49.502 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion: 84 Resp: 391449
Ion Ratio Lower Upper
84 100
49 116.6 94.3 141.5
51 36.6 29.4 44.2
86 65.2 51.4 77.0





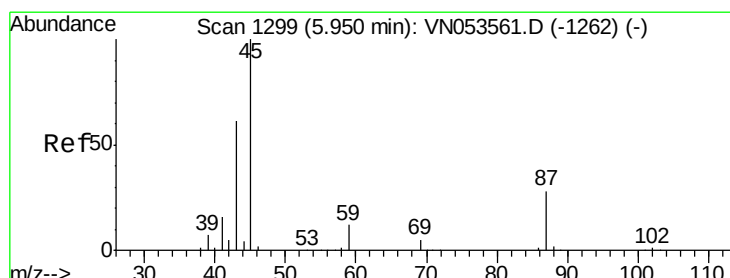
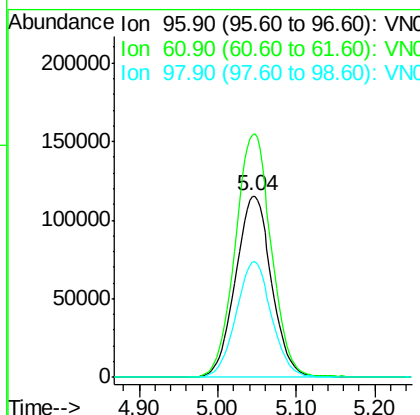
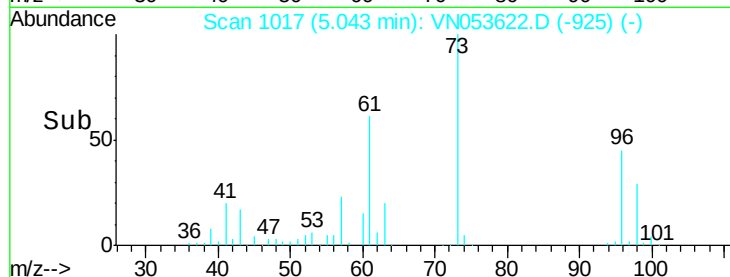
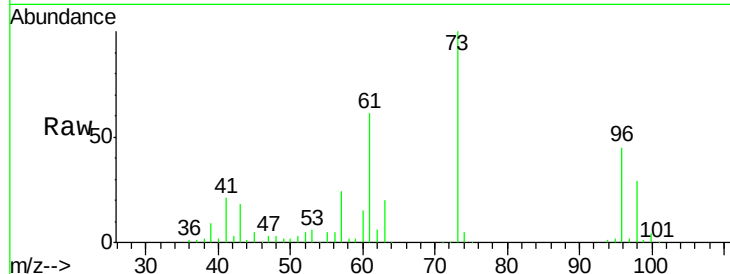
#21
trans-1,2-Dichloroethene
Concen: 50.614 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	110.1	165.1
98	63.5	50.0	75.0

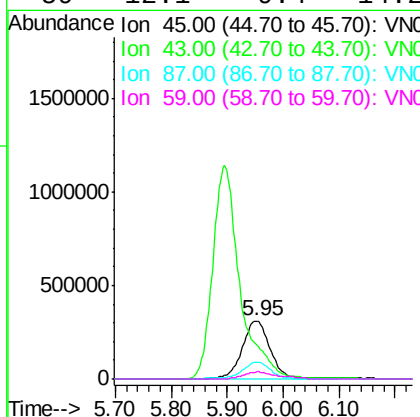
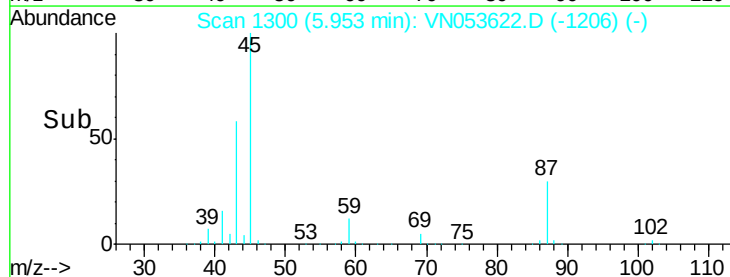
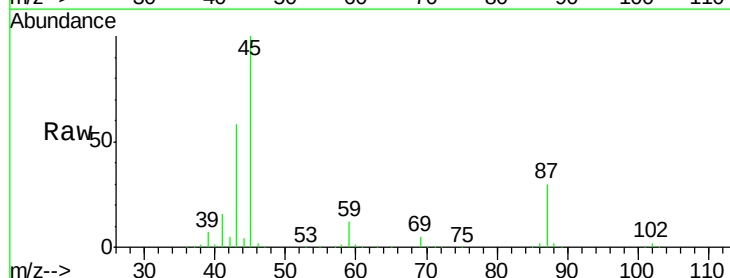
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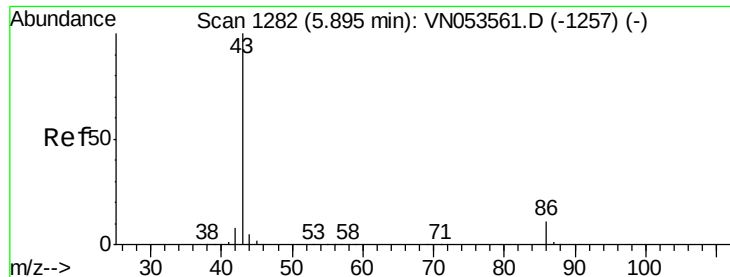
MMDadoda
2/6/2019 12:47:09 PM



#22
Diisopropyl ether
Concen: 54.839 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.0	44.2	66.4
87	29.3	22.7	34.1
59	12.1	9.4	14.2





#23

Vinyl Acetate

Concen: 279.757 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3872921

Ion Ratio Lower Upper

43 100

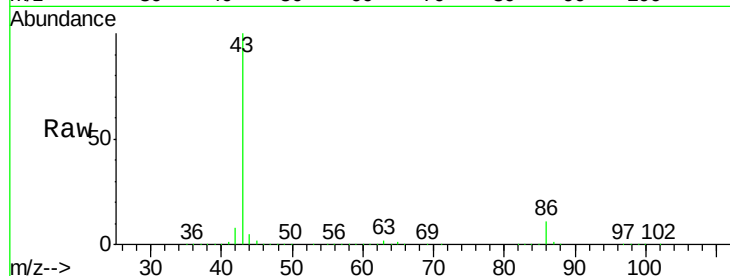
86 11.0 8.4 12.6

Manual Integrations

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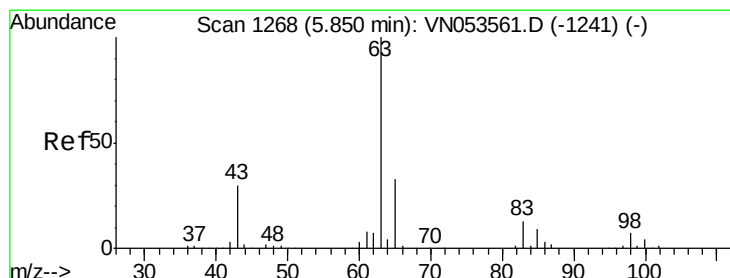
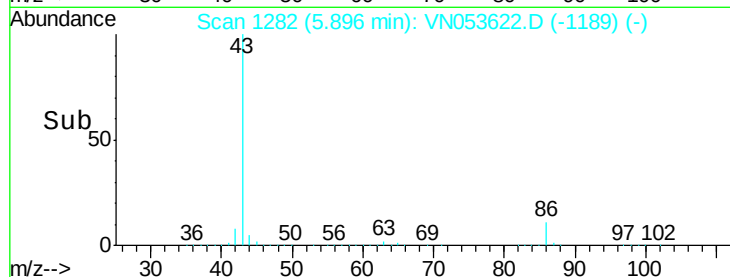
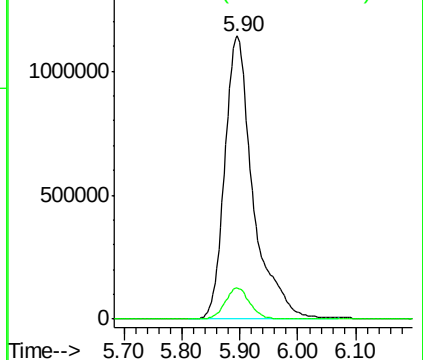
MMDadoda

2/6/2019 12:47:09 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.984 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

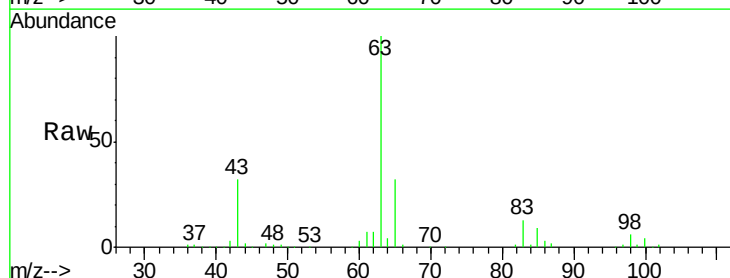
Tgt Ion: 63 Resp: 680517

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

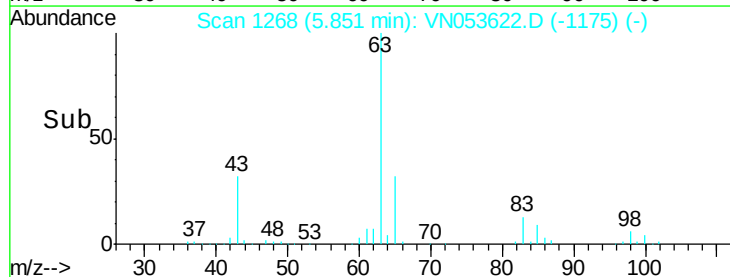
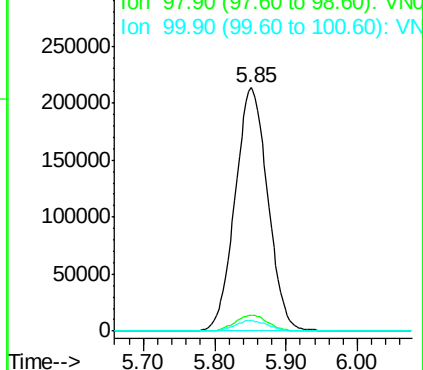
100 4.4 2.1 6.5

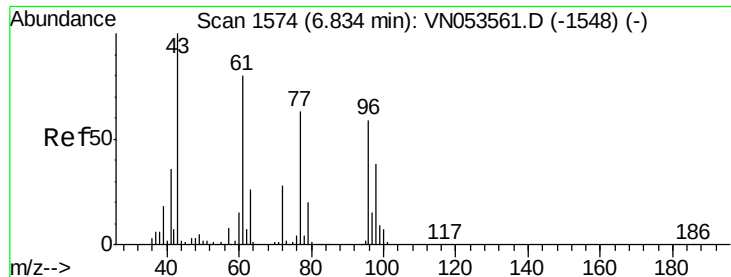


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 268.307 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 721276

Ion Ratio Lower Upper

43 100

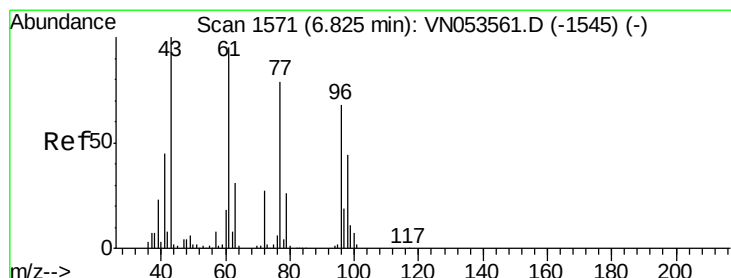
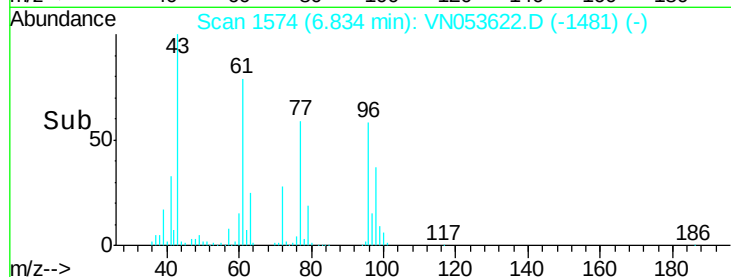
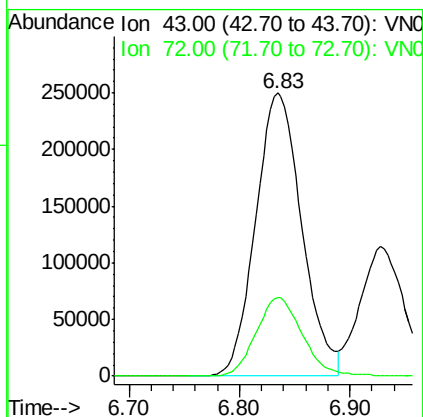
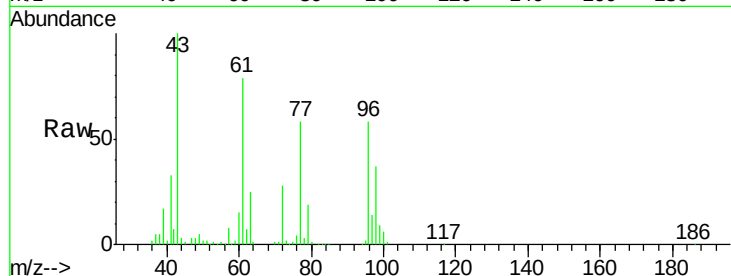
72 27.9 22.0 33.0

Manual Integrations

APPROVED

MMDadoda

2/6/2019 12:47:09 PM



#26

2,2-Dichloropropane

Concen: 48.224 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053622.D

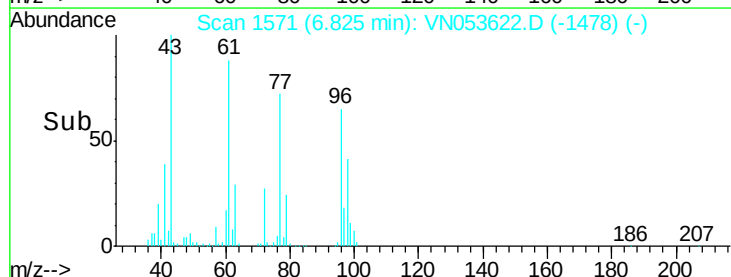
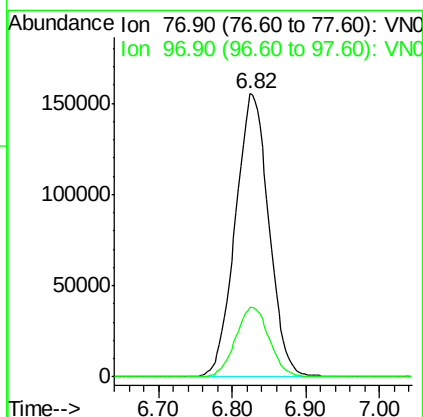
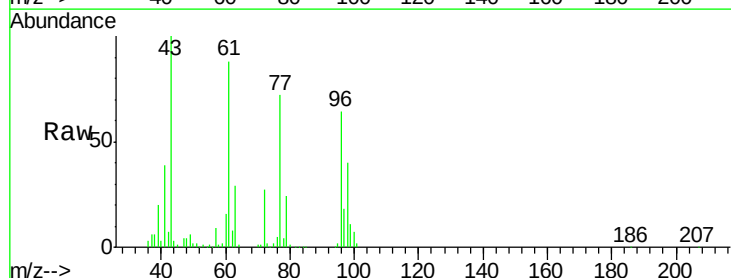
Acq: 5 Feb 2019 16:16

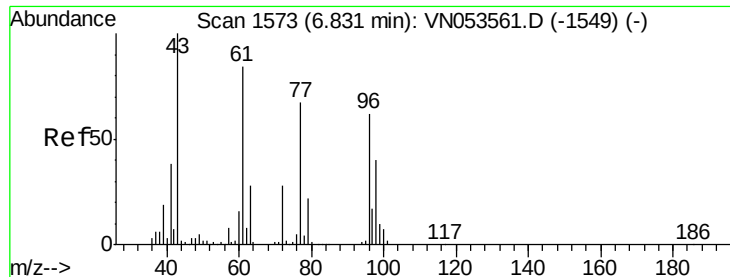
Tgt Ion: 77 Resp: 491361

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 52.500 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

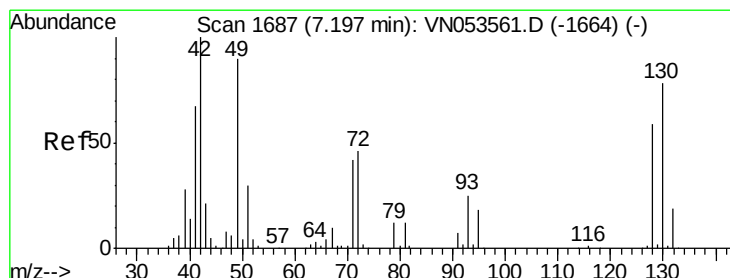
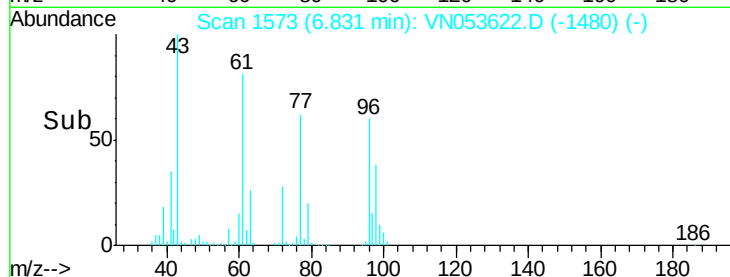
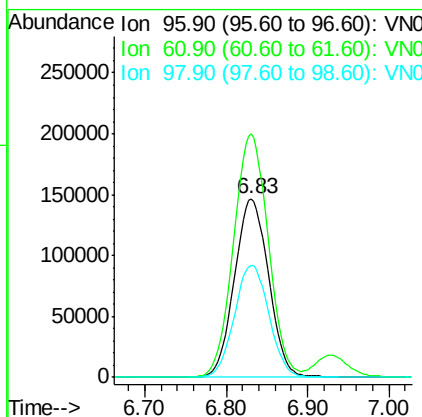
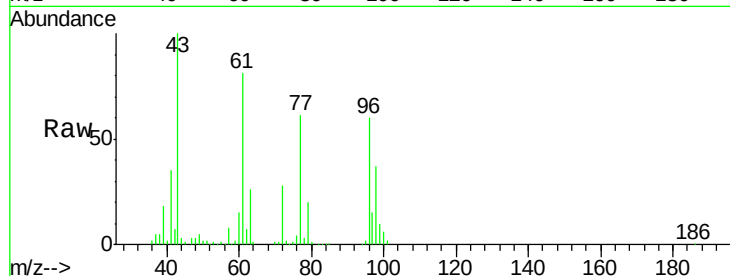
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	427212
Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	283.8
98	63.7	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 50.944 ug/l

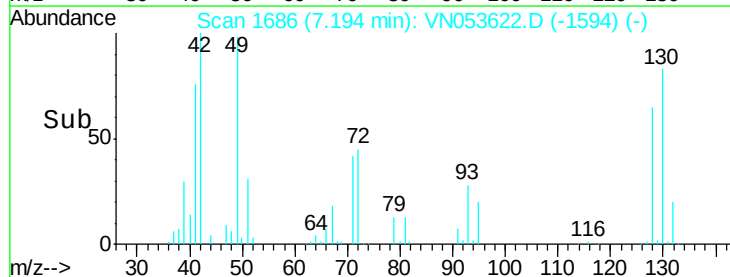
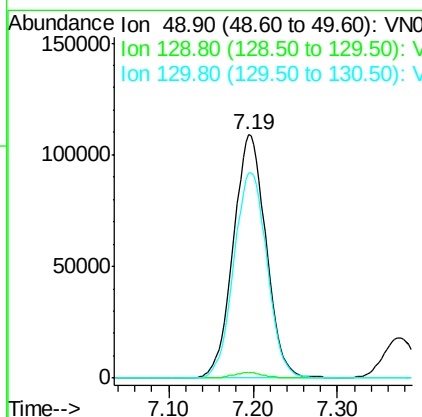
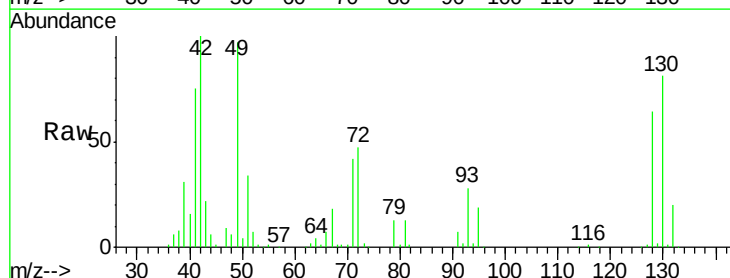
RT: 7.19 min Scan# 1686

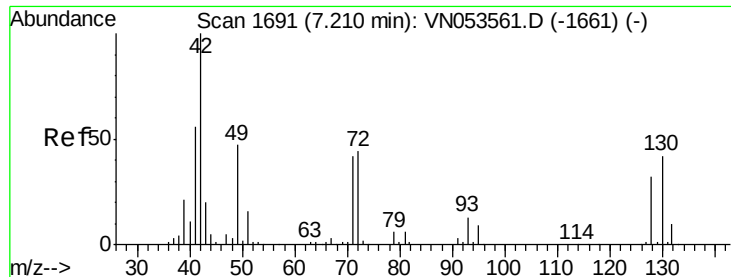
Delta R.T. -0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Tgt Ion:	49	Resp:	295085
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	85.6	66.3	99.5





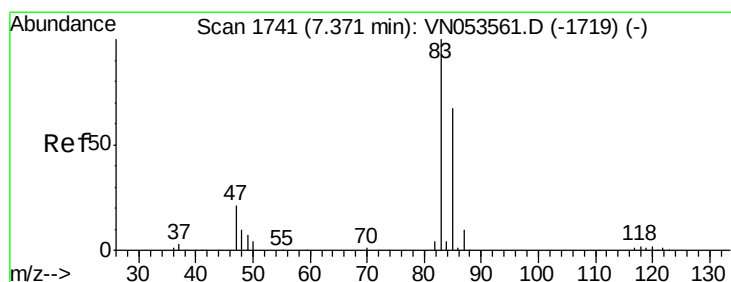
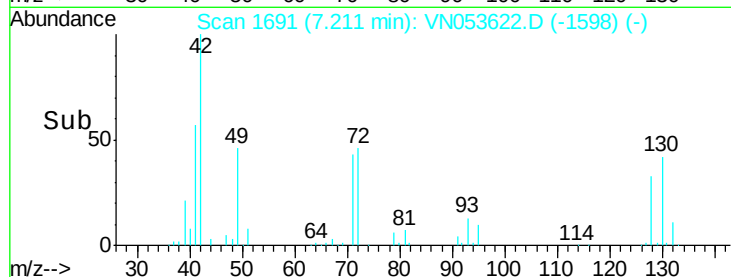
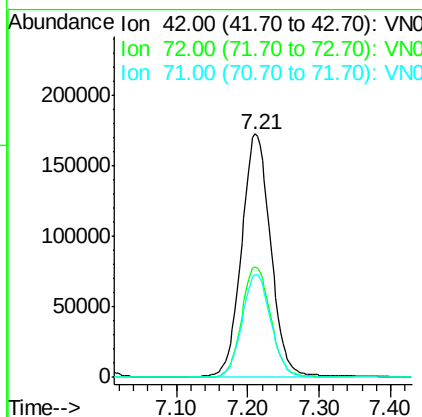
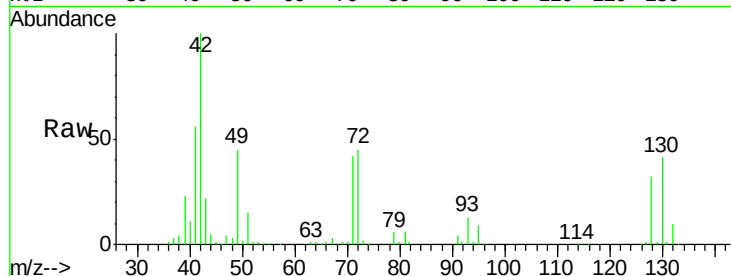
#29
Tetrahydrofuran
Concen: 284.078 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.2	52.8
71	41.6	33.0	49.4

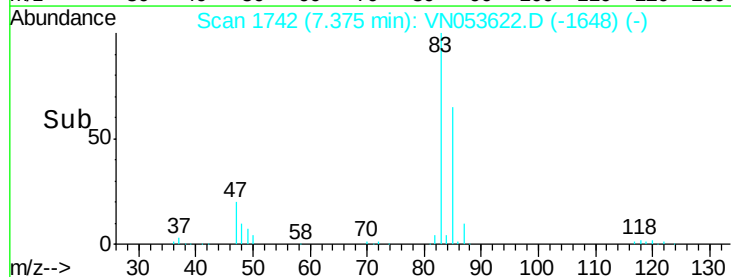
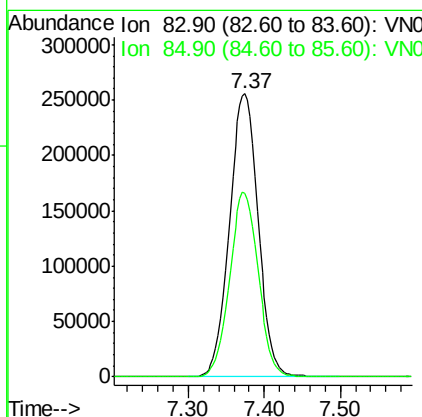
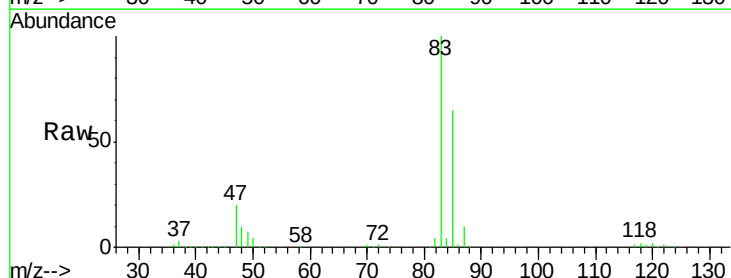
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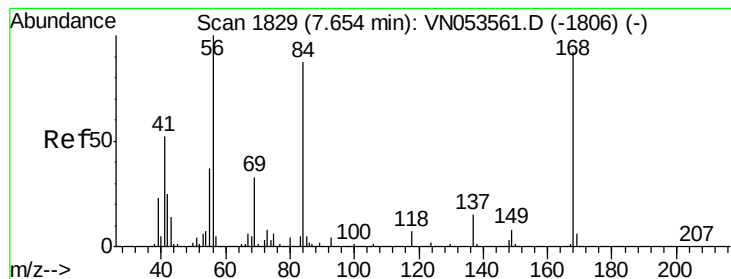
MMDadoda
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#30
Chloroform
Concen: 50.702 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.2





#31

Cyclohexane

Concen: 49.023 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

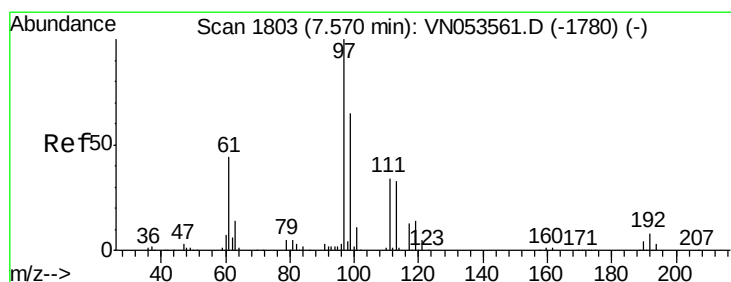
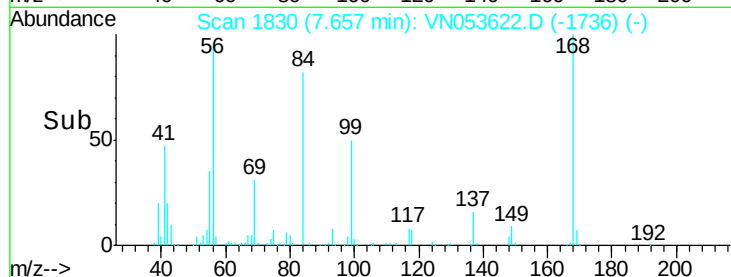
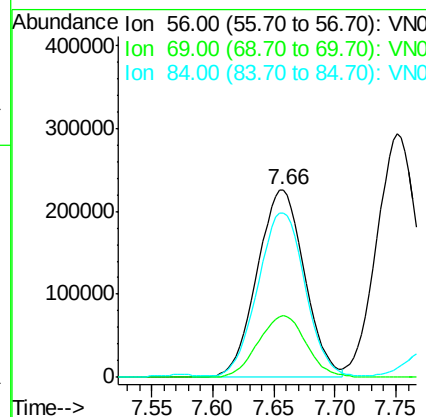
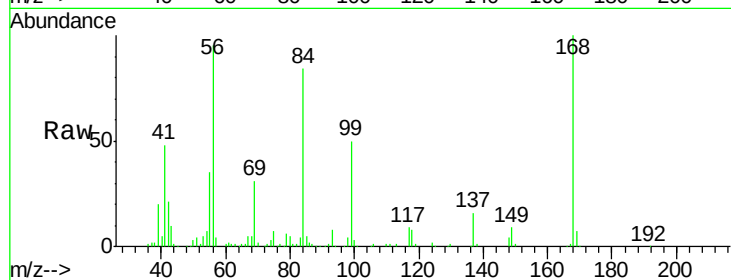
ClientSampleId :

VSTDCCC050EC

Tot Ion	56	Resp	609264
Ion Ratio	Lower	Upper	
56	100		
69	32.8	26.4	39.6
84	86.7	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.465 ug/l

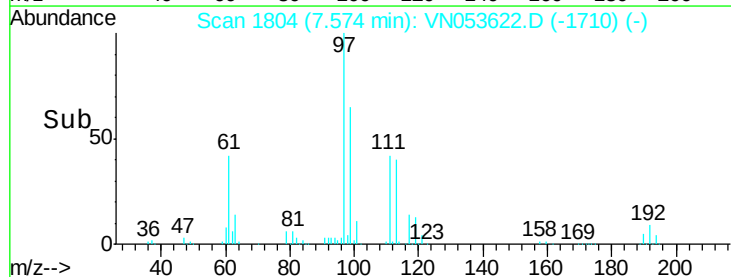
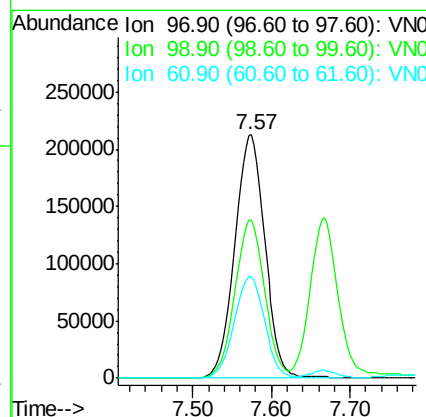
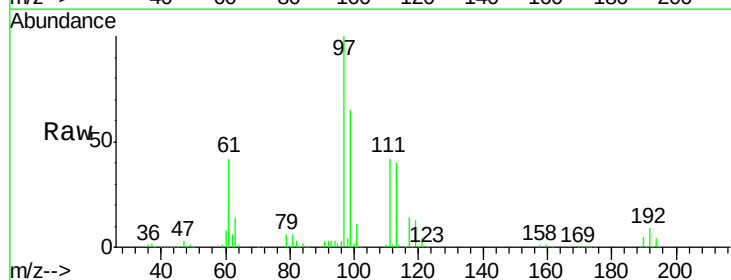
RT: 7.57 min Scan# 1804

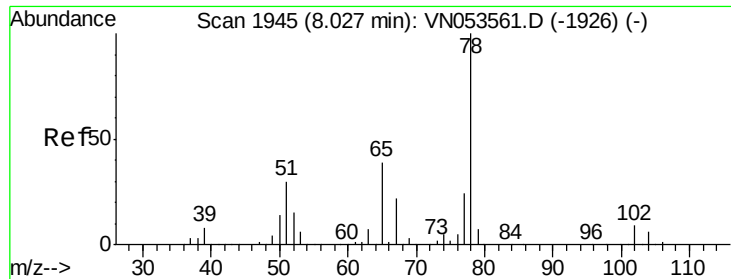
Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Tgt Ion	97	Resp	566701
Ion Ratio	Lower	Upper	
97	100		
99	64.1	52.0	78.0
61	41.9	34.4	51.6





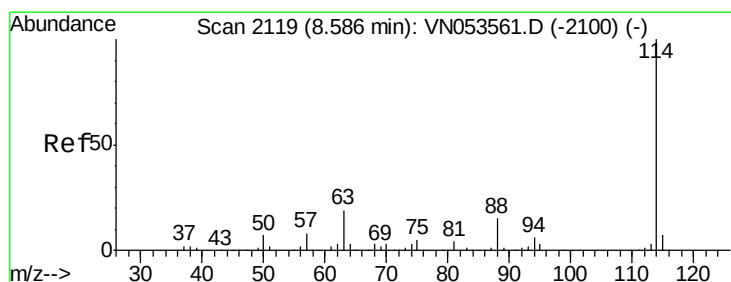
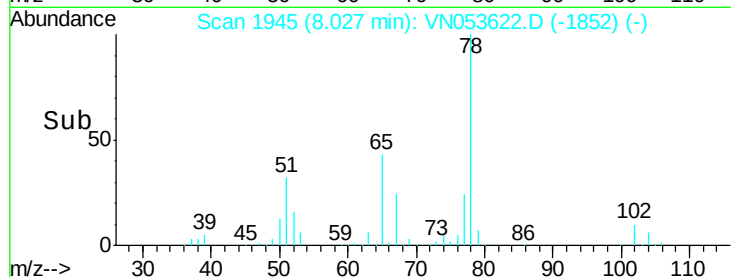
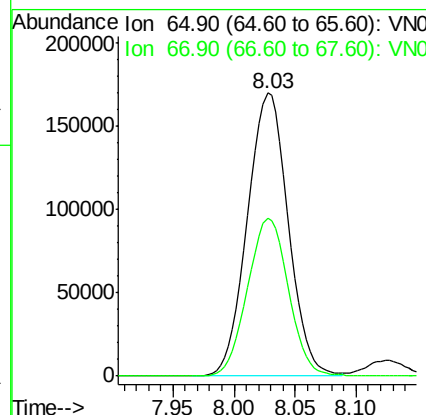
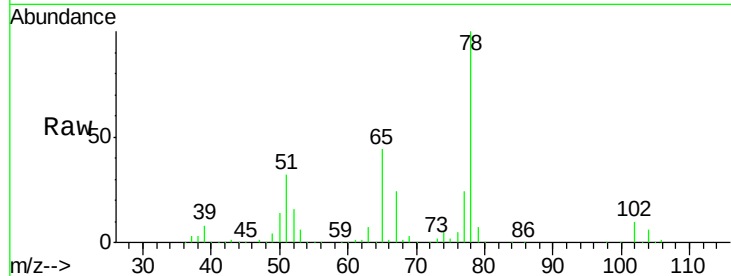
#33
 1,2-Dichloroethane-d4
 Concen: 51.465 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	394130		
67	55.7	0.0	111.2	

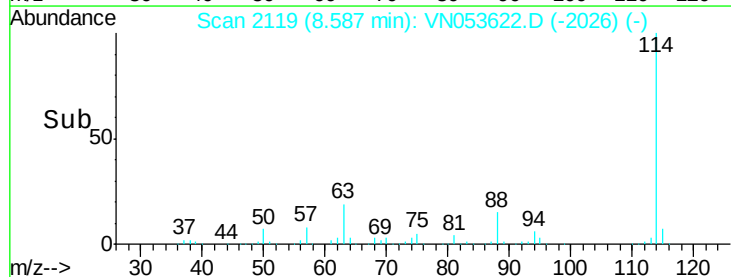
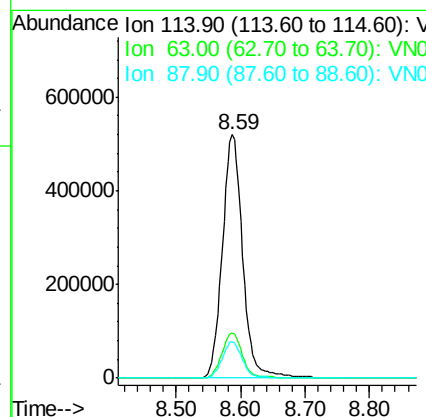
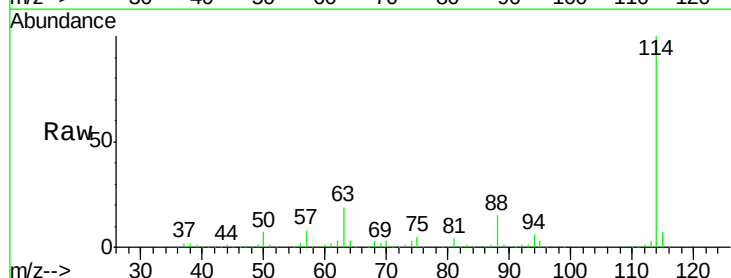
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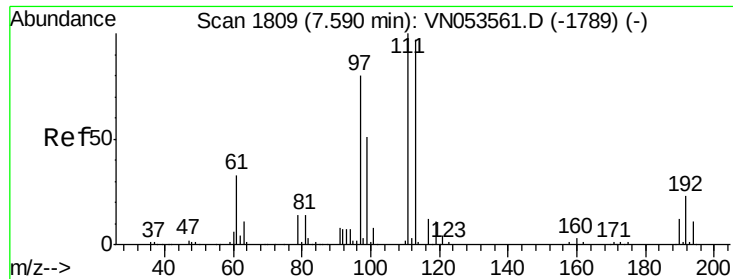
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1135978		
63	18.7	0.0	38.6	
88	15.0	0.0	30.4	





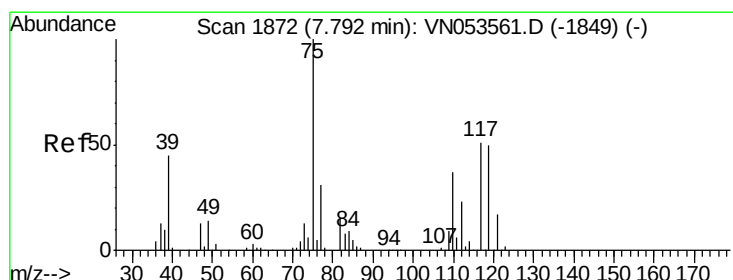
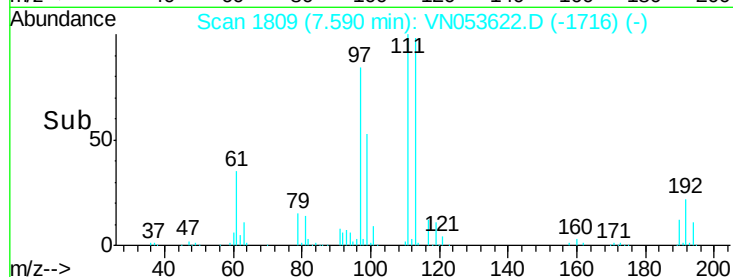
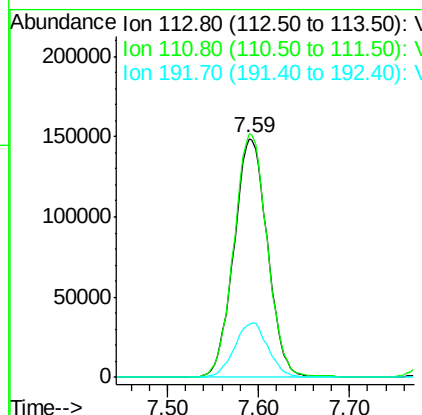
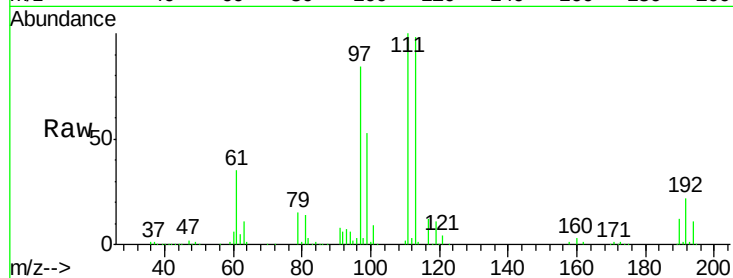
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	381028		
111	101.1	81.1	121.7	
192	22.9	18.2	27.2	

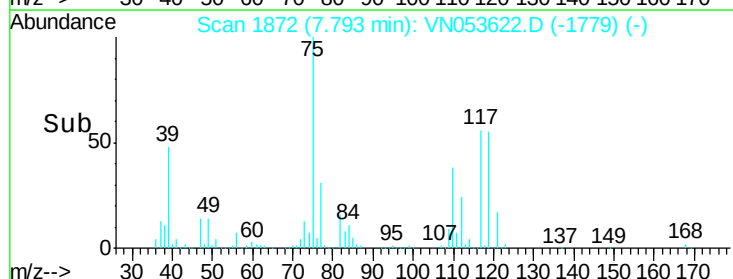
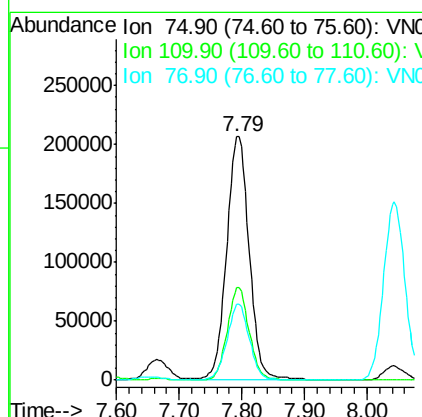
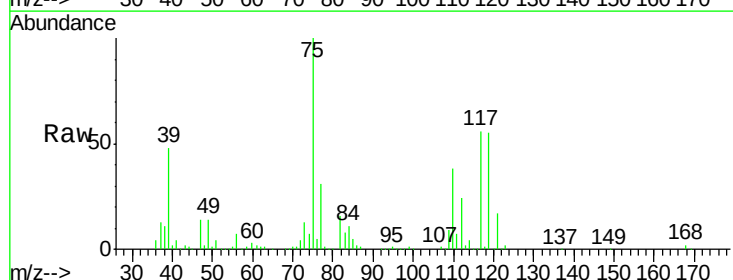
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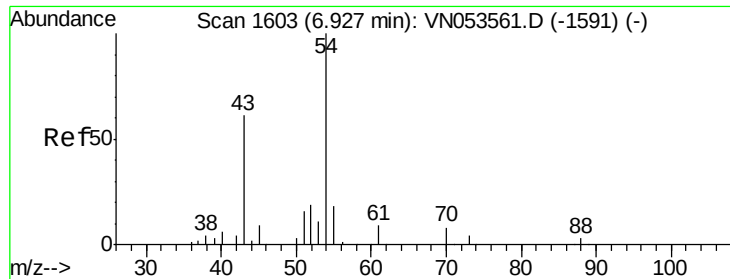
MMDadoda
2/6/2019 12:47:09 PM



#36
1,1-Dichloropropene
Concen: 50.274 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	514818		
110	36.6	18.1	54.3	
77	30.7	25.1	37.7	





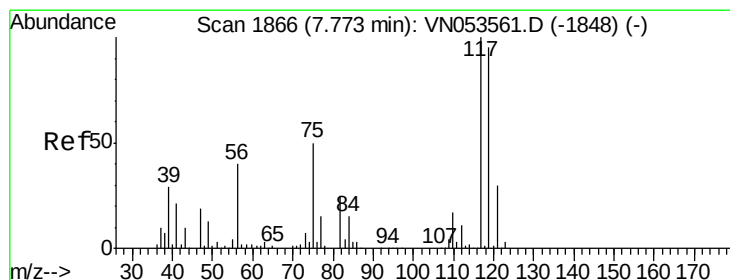
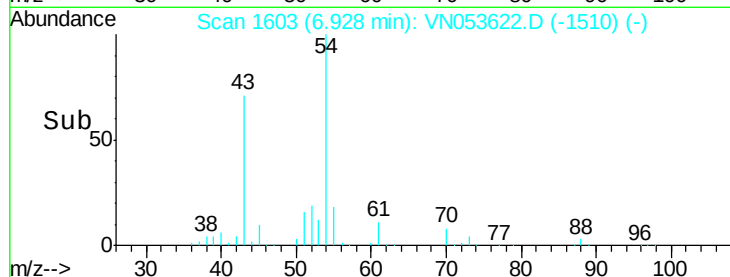
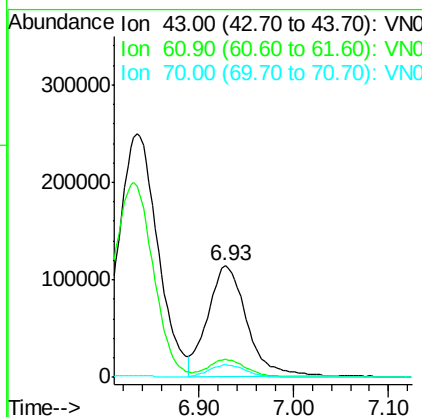
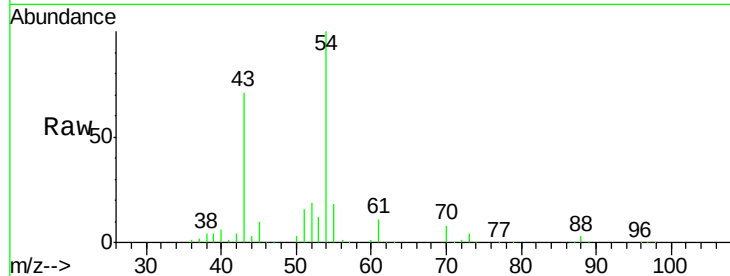
#37
Ethyl Acetate
Concen: 56.759 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.8	17.6
70	10.5	8.6	12.8

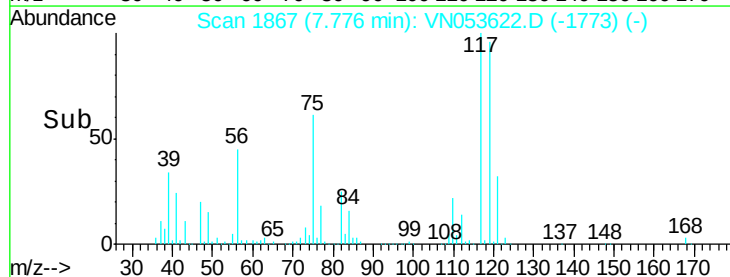
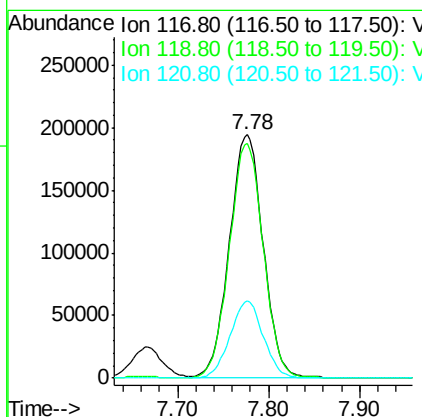
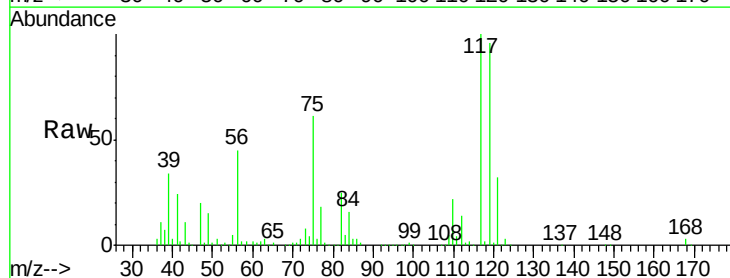
Manual Integrations
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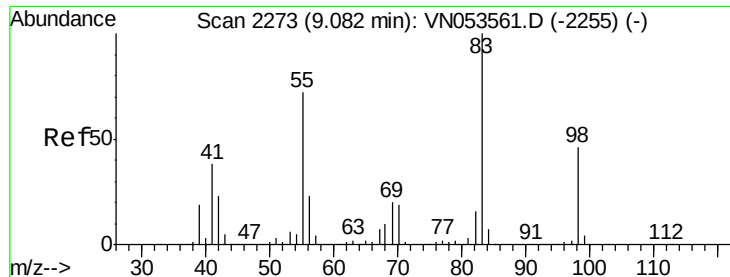
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#38
Carbon Tetrachloride
Concen: 48.417 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.2	115.8
121	31.9	24.6	37.0





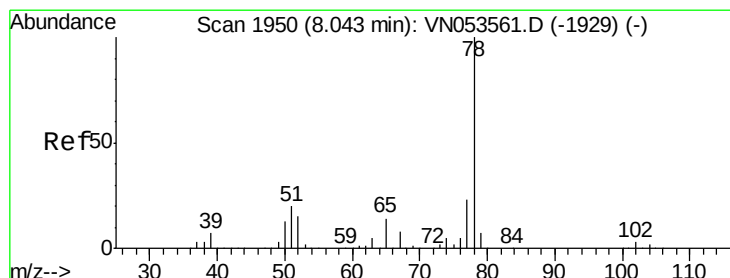
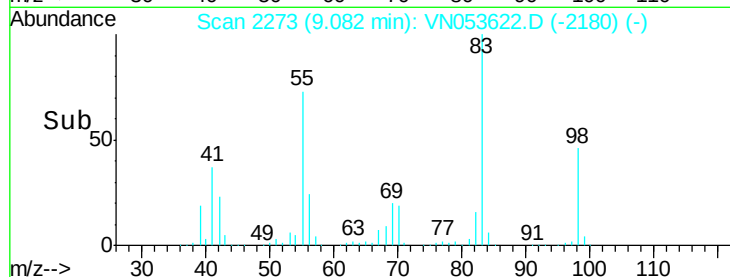
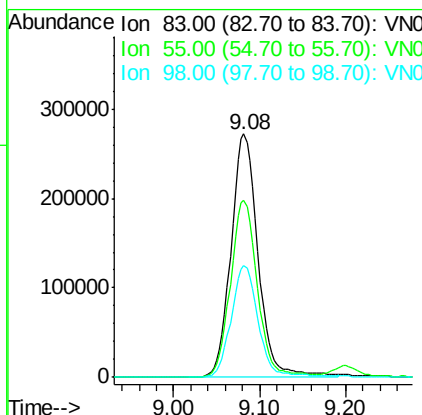
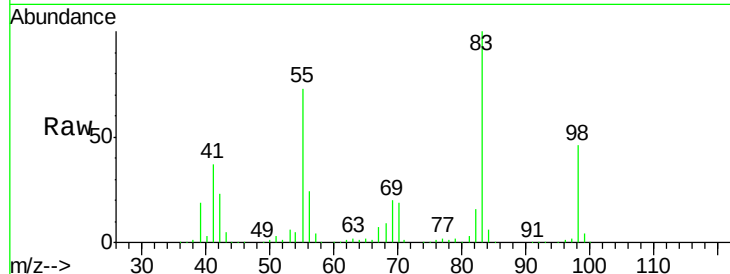
#39
Methylvlcyclohexane
Concen: 49.076 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	60.1	90.1
98	45.9	36.6	55.0

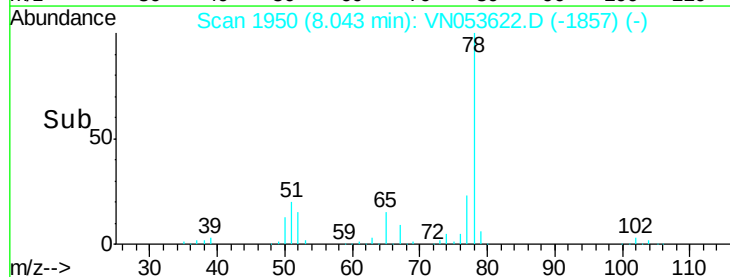
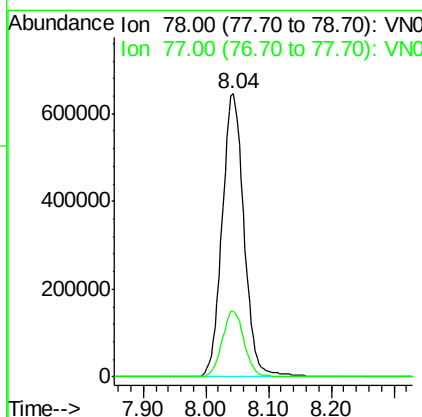
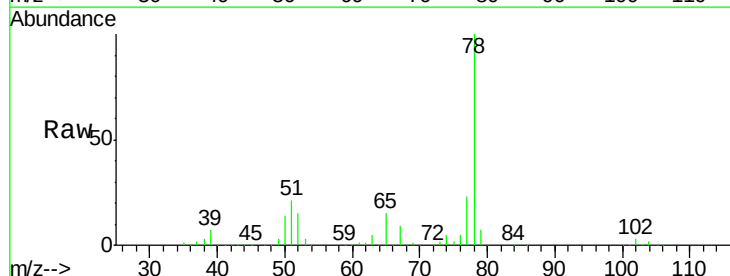
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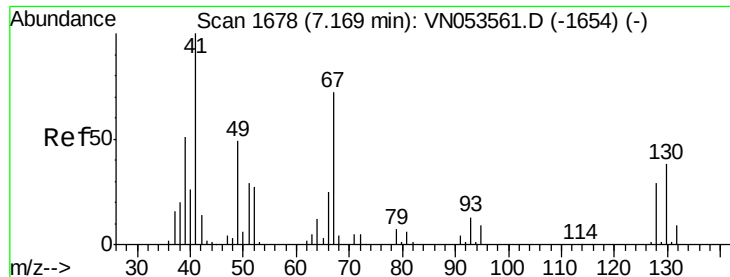
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#40
Benzene
Concen: 49.485 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





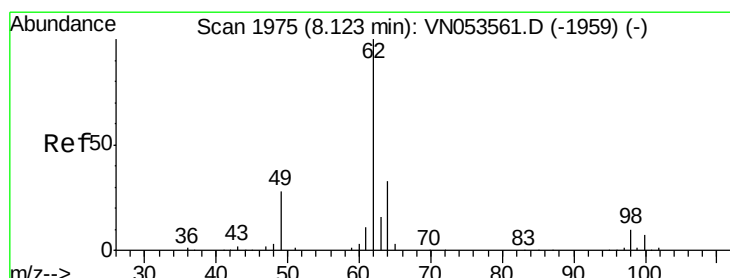
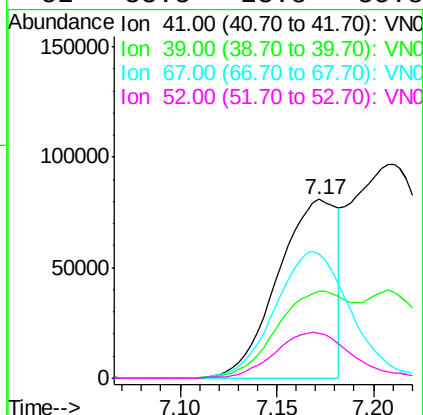
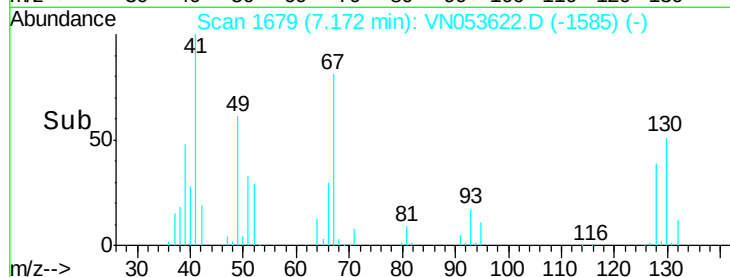
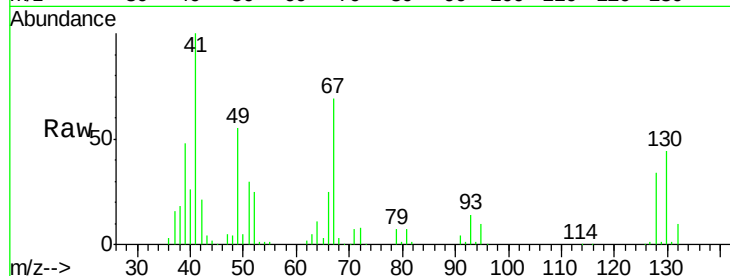
#41
Methacrylonitrile
Concen: 53.956 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.3	46.8	70.2	
67	90.9	63.0	94.6	
52	33.3	23.8	35.8	

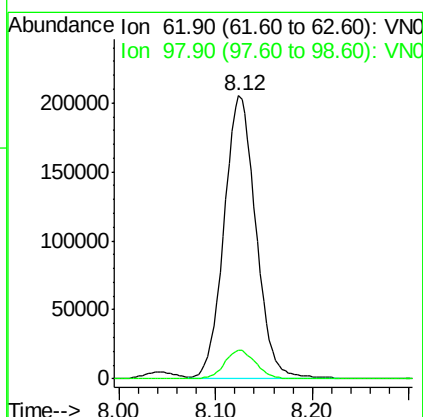
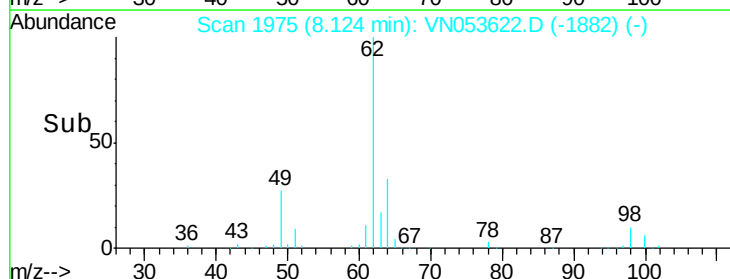
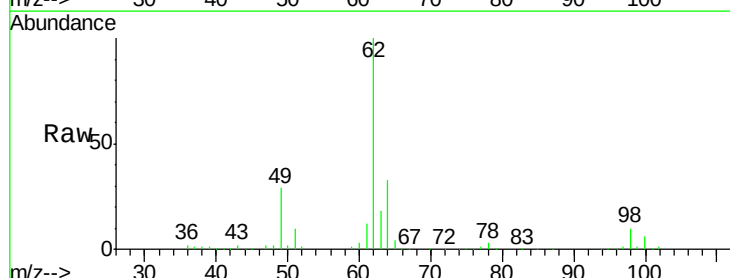
Manual Integrations
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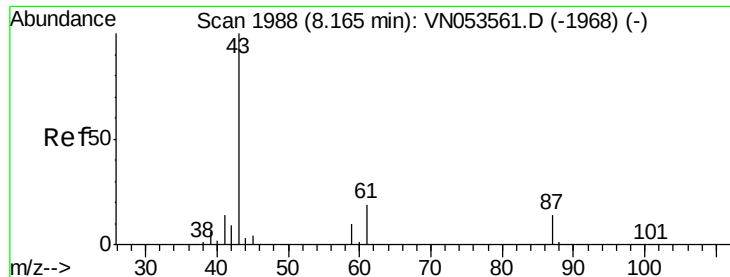
MMDadoda
2/6/2019 12:47:09 PM



#42
1,2-Dichloroethane
Concen: 49.738 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	19.6	





#43

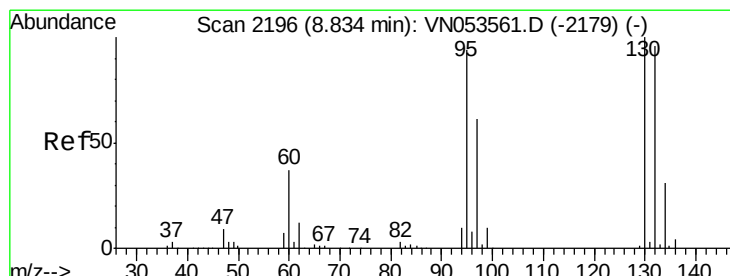
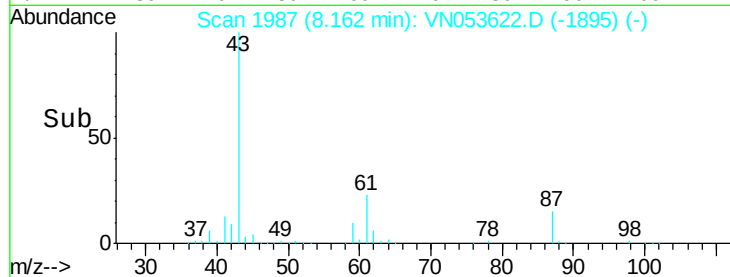
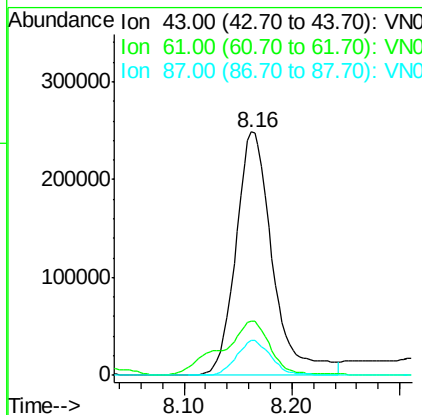
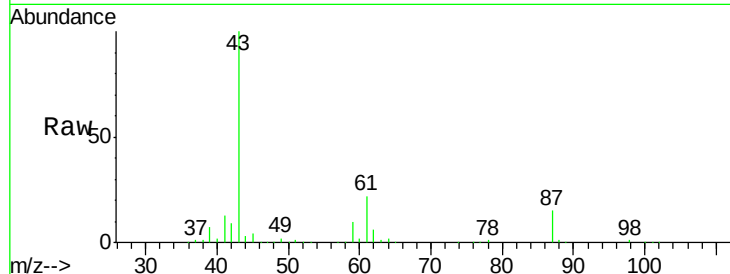
Isopropyl Acetate
 Concen: 53.290 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.7	23.9	35.9
87	13.5	11.0	16.6

Manual Integrations
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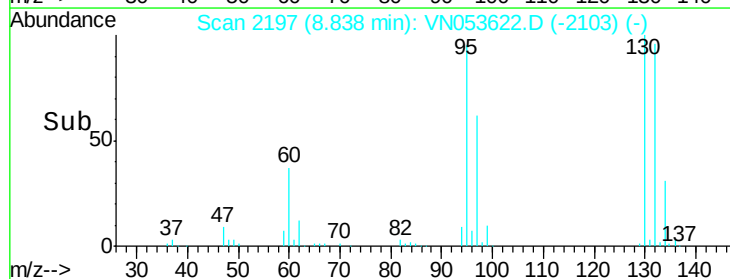
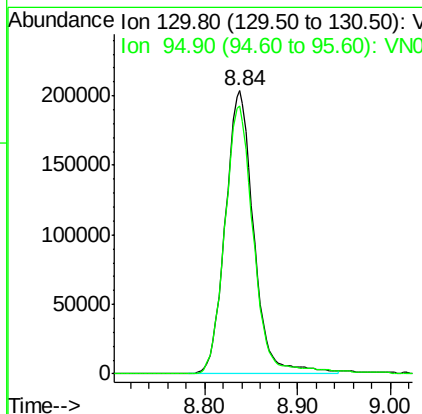
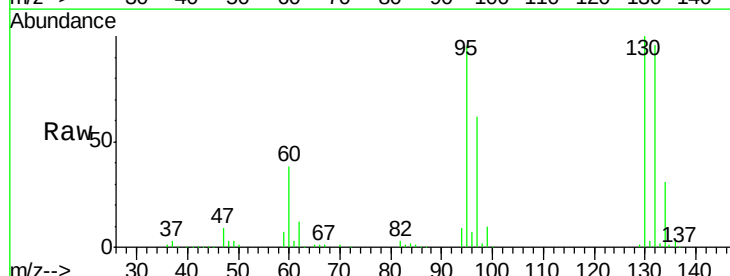
MMDadoda
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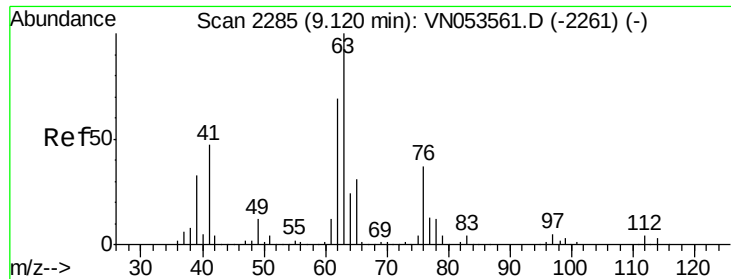


#44

Trichloroethene
 Concen: 48.128 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	191.4





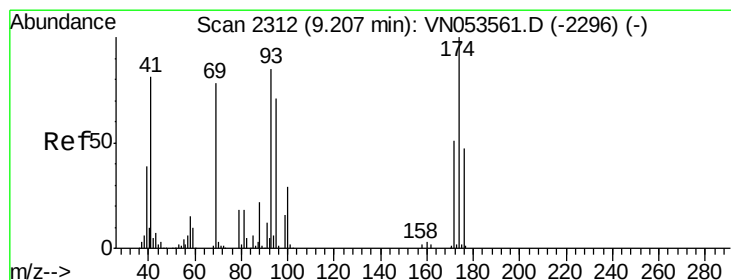
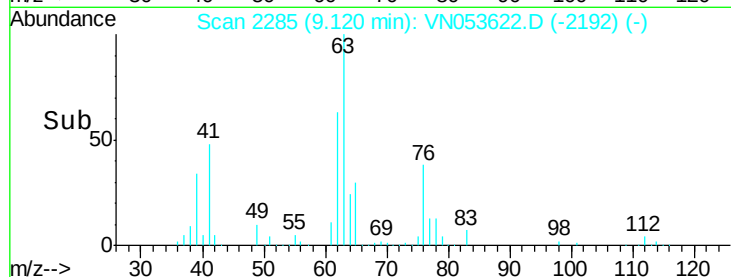
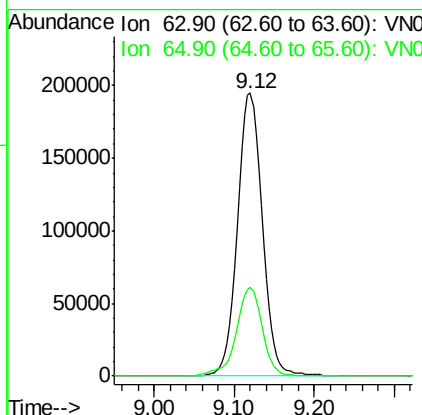
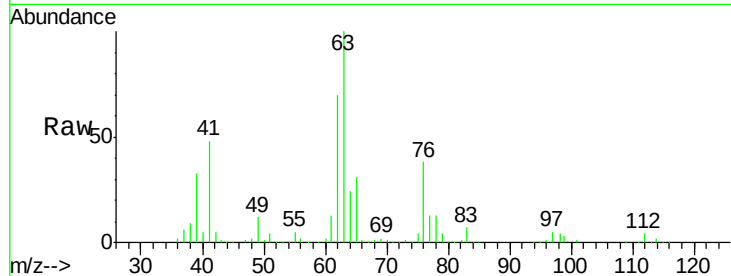
#45
 1,2-Dichloropropane
 Concen: 50.498 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 407866
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.4

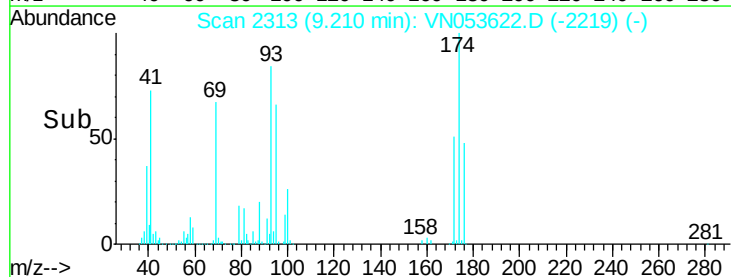
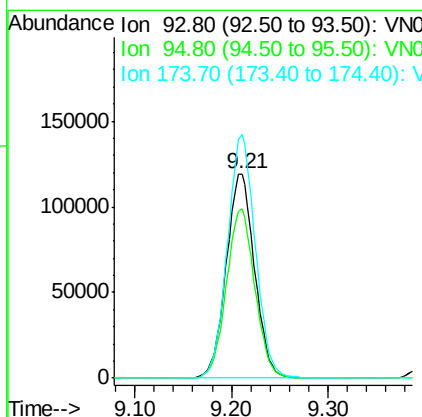
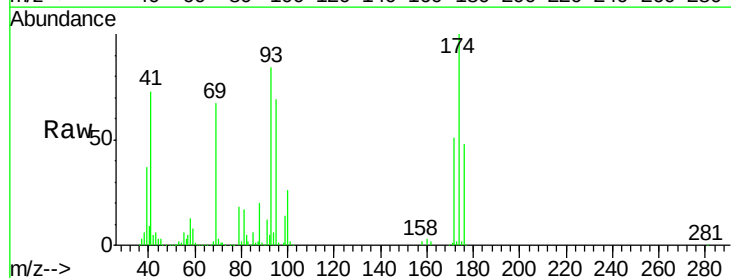
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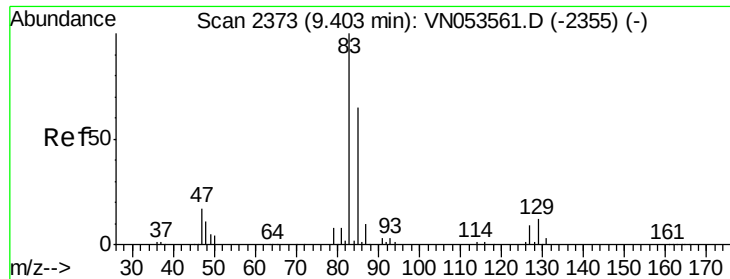
MMDadoda
 2/6/2019 12:47:09 PM



#46
 Dibromomethane
 Concen: 49.917 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

Tgt Ion: 93 Resp: 243039
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.3 100.9
 174 117.2 91.0 136.4





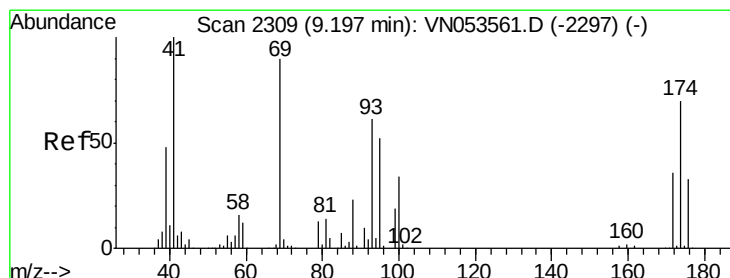
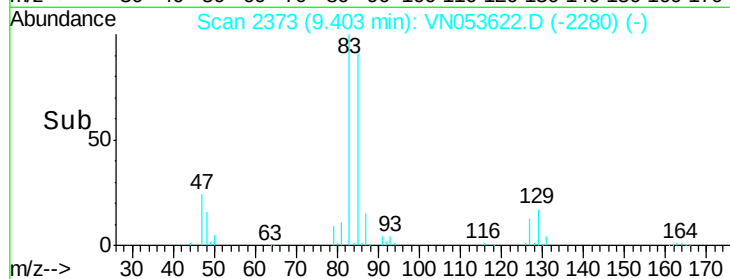
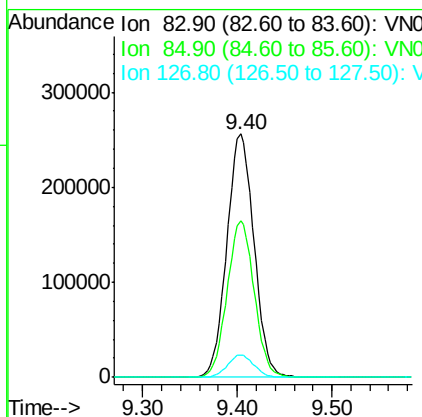
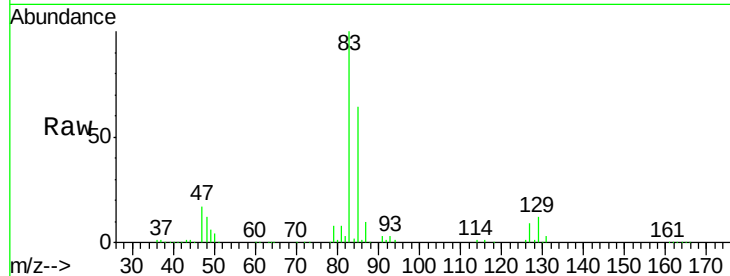
#47
Bromodichloromethane
Concen: 50.568 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	511910
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	51.0	76.6
127	9.4	7.0	10.6

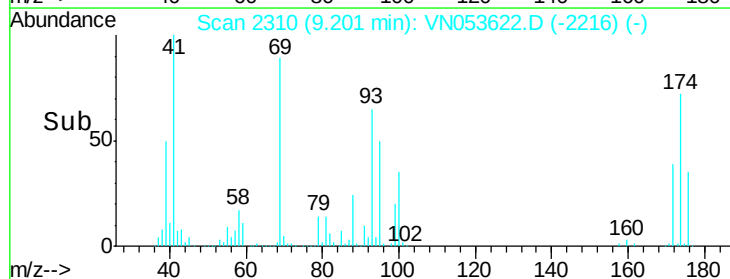
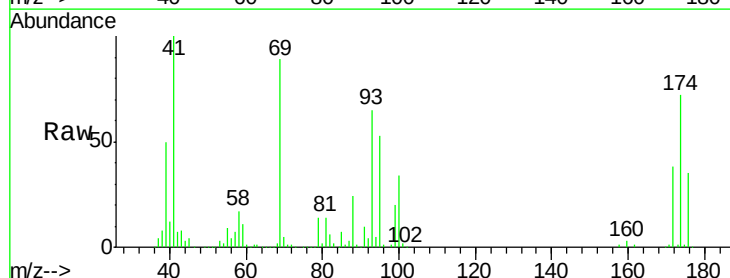
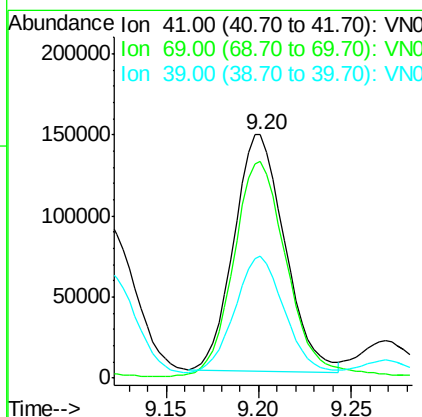
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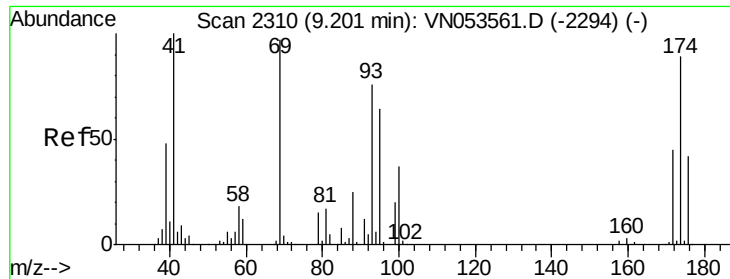
MMDadoda
2/6/2019 12:47:09 PM



#48
Methyl methacrylate
Concen: 52.733 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion	41	Resp	278017
Ion Ratio	100	Lower	Upper
41	100		
69	97.6	73.8	110.6
39	52.7	40.0	60.0





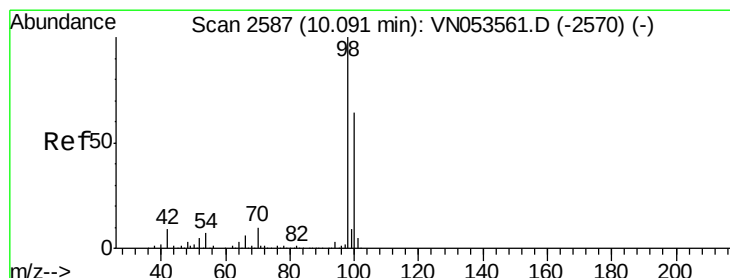
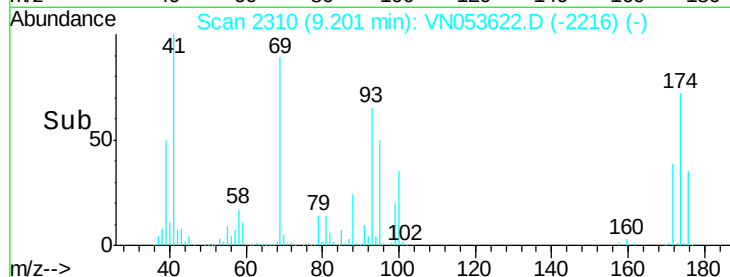
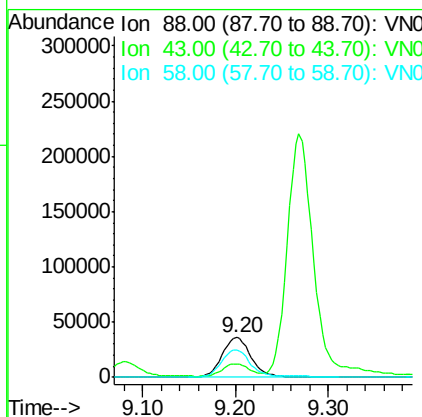
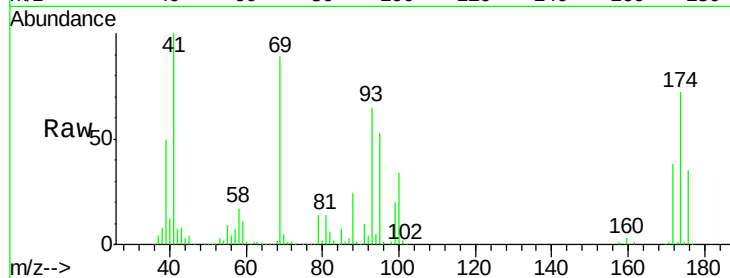
#49
1,4-Dioxane
Concen: 1039.367 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	79524
Ion	Ratio	Lower	Upper
88	100		
43	29.3	27.8	41.6
58	67.9	56.5	84.7

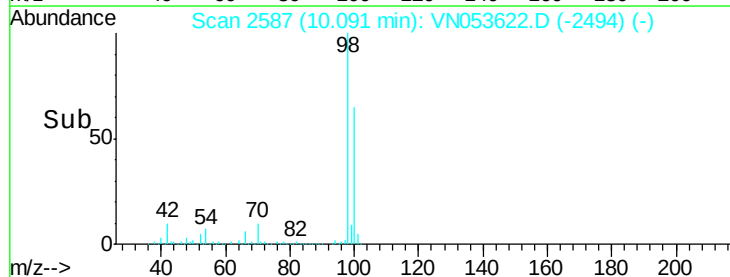
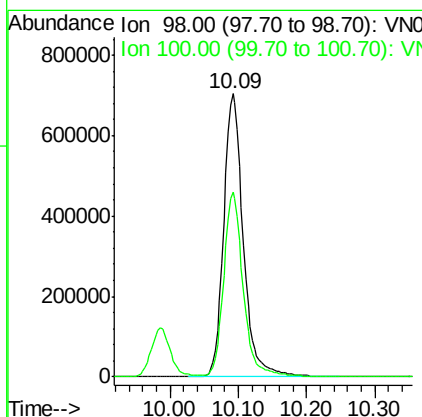
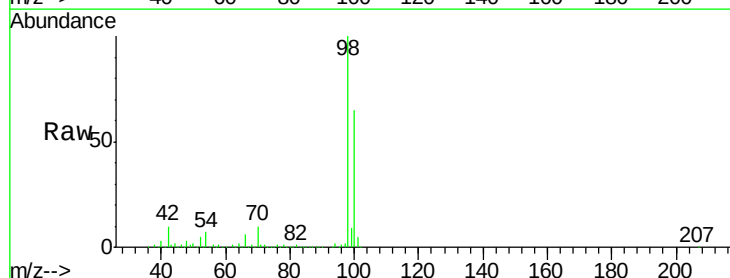
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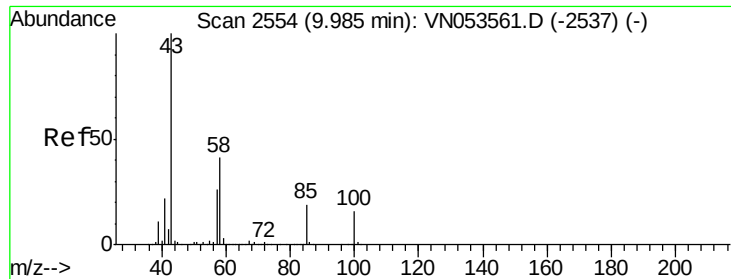
MMDadoda
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#50
Toluene-d8
Concen: 1039.367 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion	98	Resp	1404569
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 278.125 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1509523

Ion Ratio Lower Upper

43 100

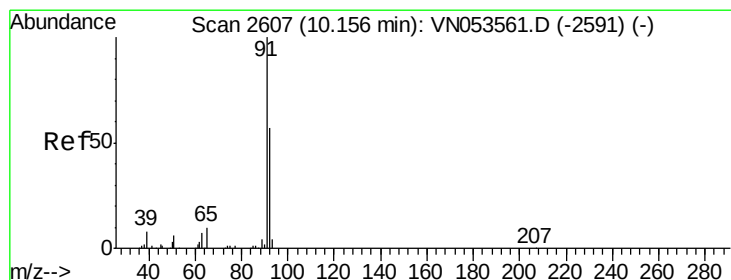
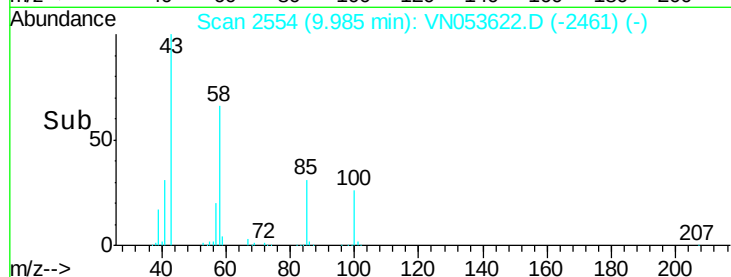
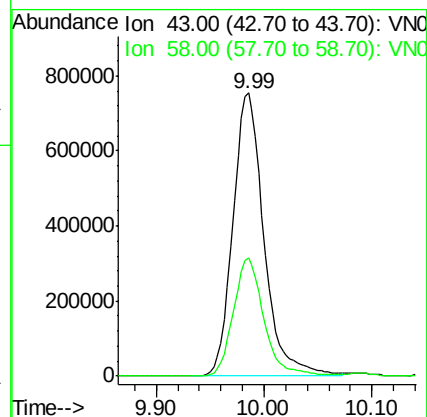
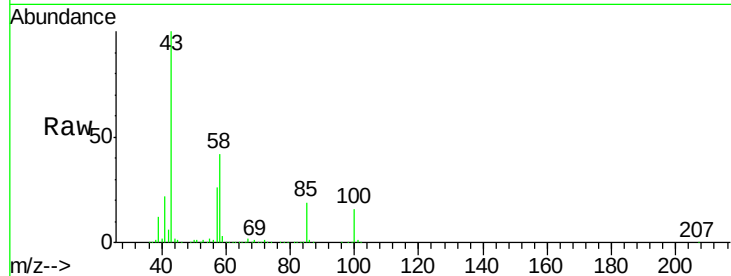
58 41.1 32.8 49.2

Manual Integrations

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#52

Toluene

Concen: 50.723 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053622.D

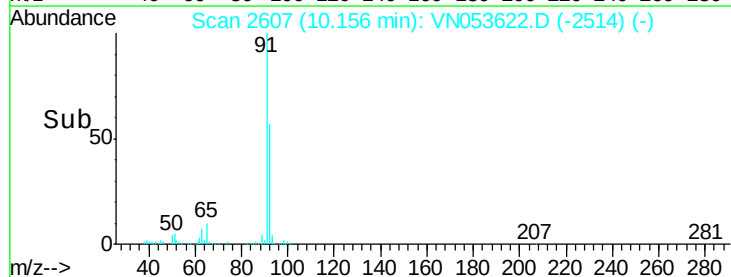
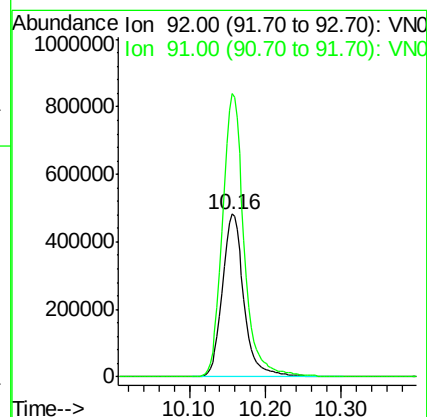
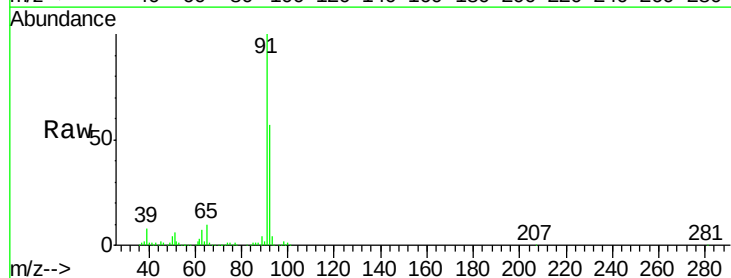
Acq: 5 Feb 2019 16:16

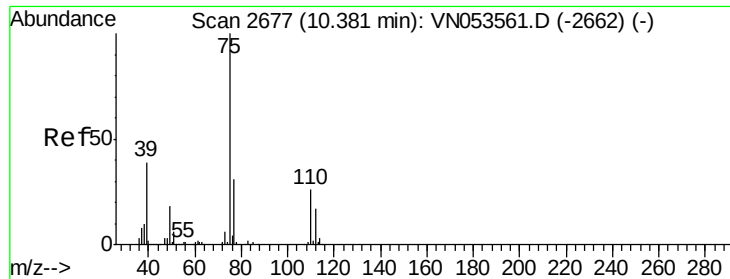
Tgt Ion: 92 Resp: 950611

Ion Ratio Lower Upper

92 100

91 174.6 139.9 209.9





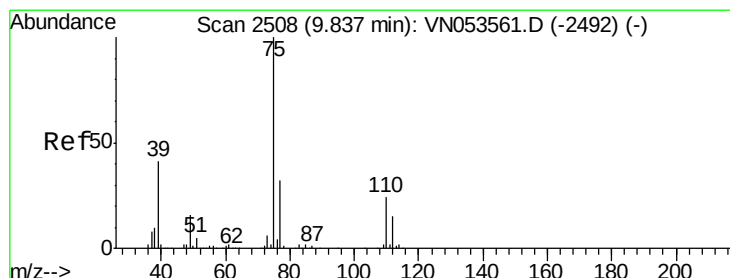
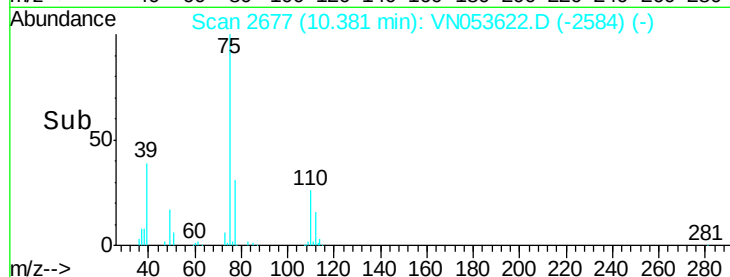
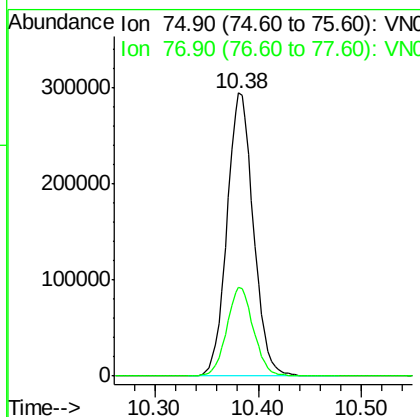
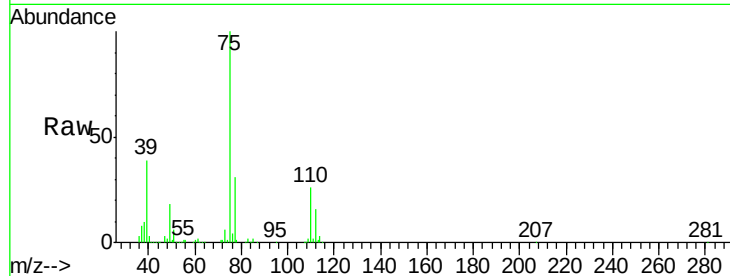
#53
t-1,3-Dichloropropene
Concen: 51.997 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.5	38.3

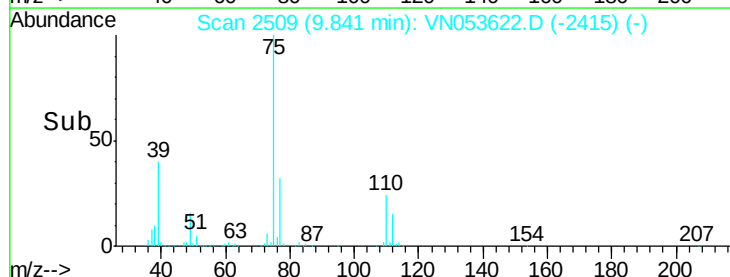
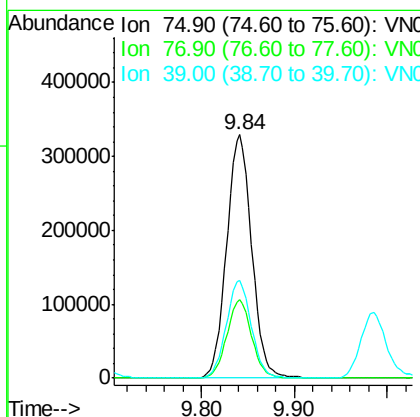
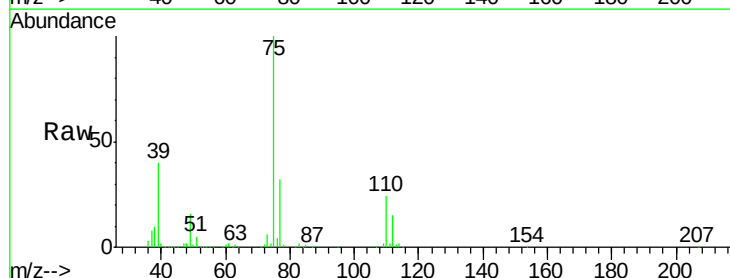
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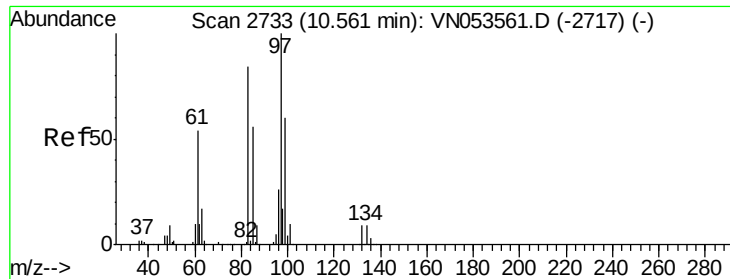
MMDadoda
2/6/2019 12:47:09 PM



#54
cis-1,3-Dichloropropene
Concen: 51.378 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.6
39	39.9	33.4	50.0





#55

1,1,2-Trichloroethane

Concen: 52.029 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

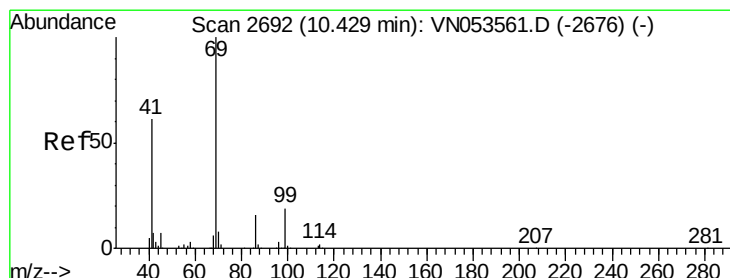
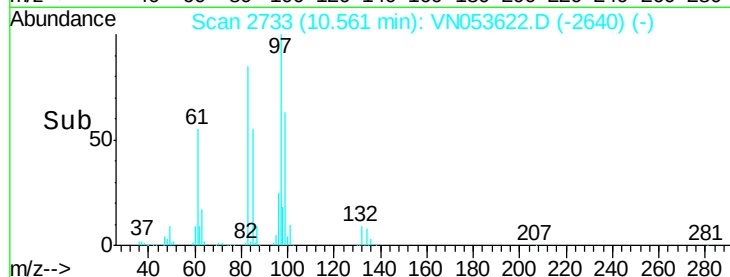
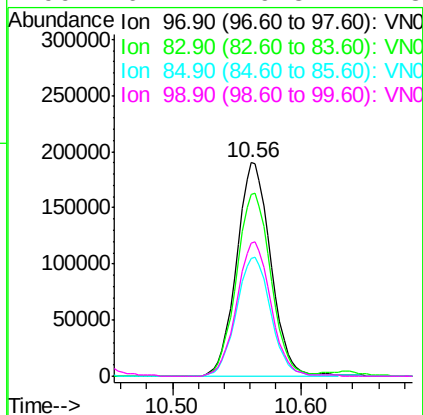
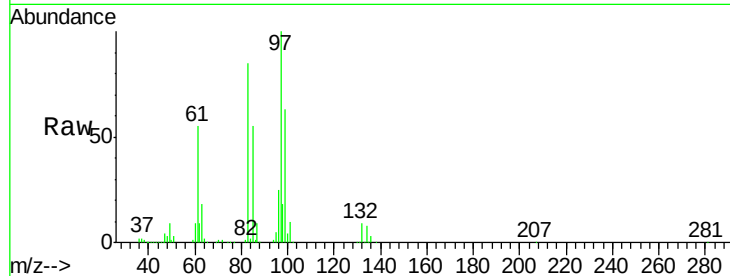
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	351364
Ion	Ratio	Lower	Upper
97	100		
83	85.4	70.1	105.1
85	55.4	45.4	68.0
99	62.4	49.8	74.8

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#56

Ethyl methacrylate

Concen: 55.804 ug/l

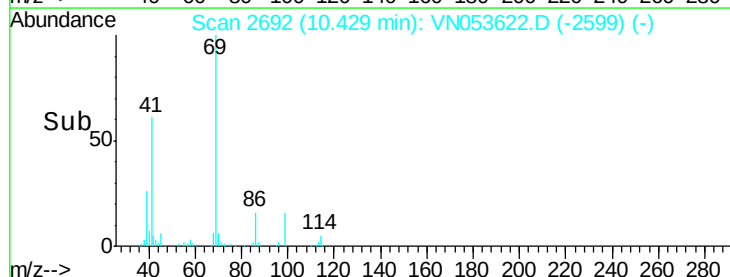
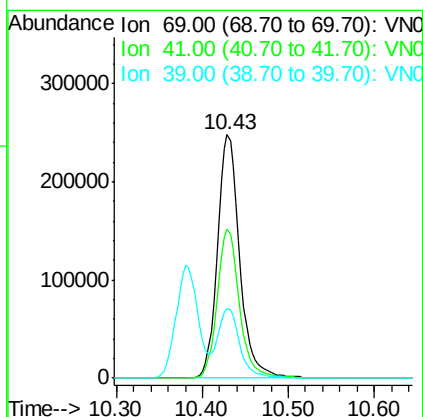
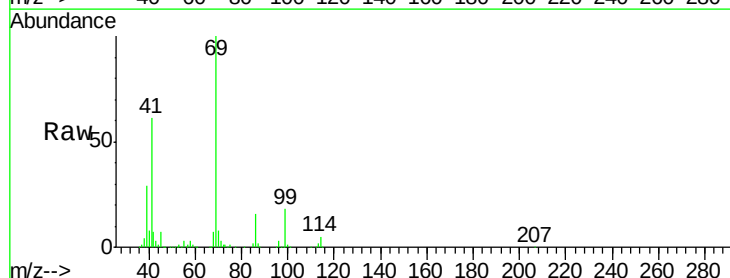
RT: 10.43 min Scan# 2692

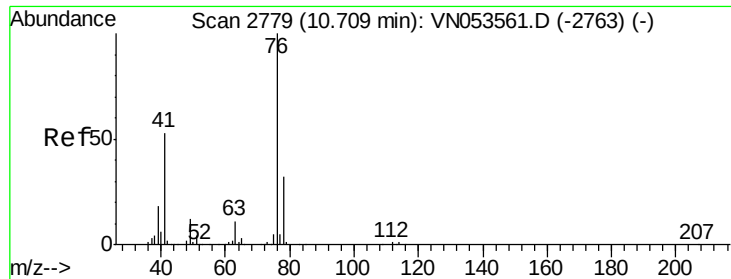
Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Tgt Ion:	69	Resp:	445826
Ion	Ratio	Lower	Upper
69	100		
41	60.3	49.4	74.0
39	27.8	23.3	34.9





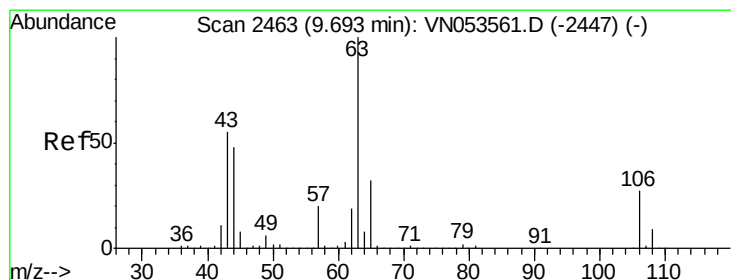
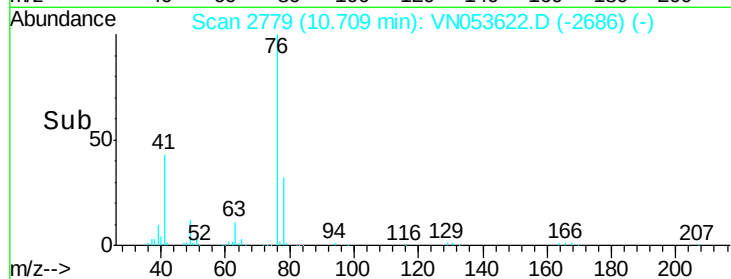
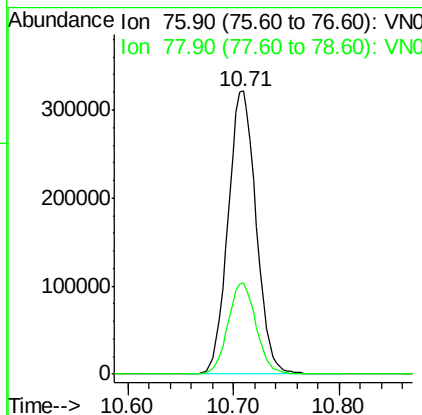
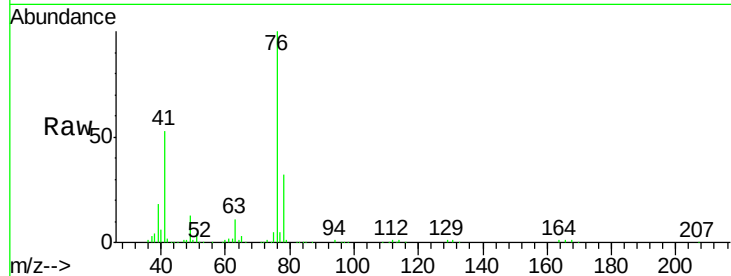
#57
 1,3-Dichloropropane
 Concen: 51.186 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 590777
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.6 38.4

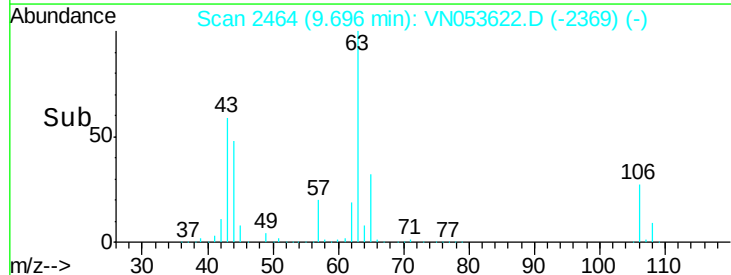
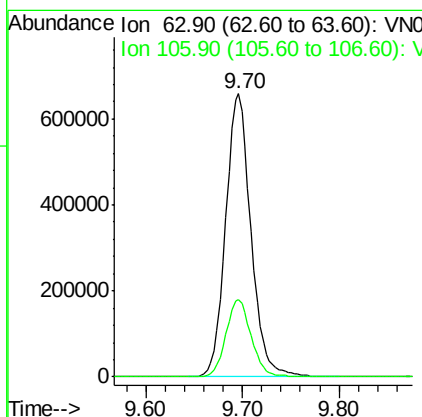
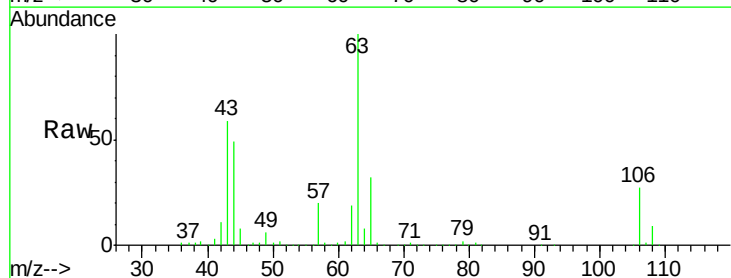
Manual Integrations
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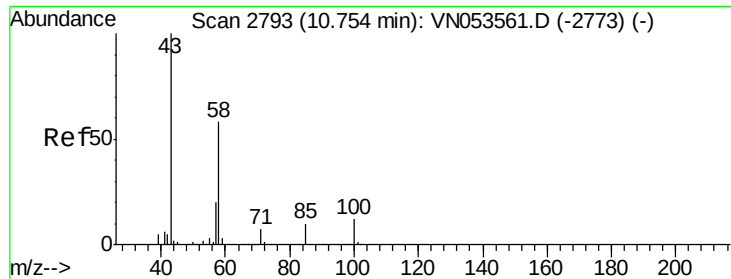
MMDadoda
 2/6/2019 12:47:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.620 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

Tgt Ion: 63 Resp: 1195772
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.5 32.3





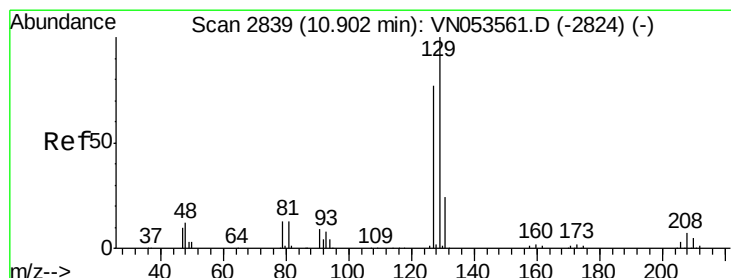
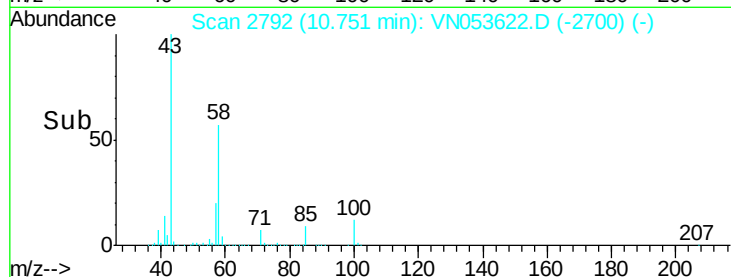
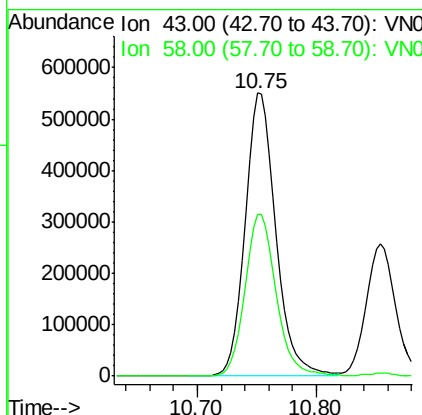
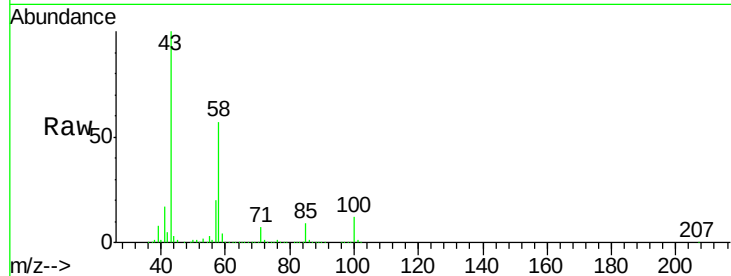
#59
2-Hexanone
Concen: 266.322 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 981282
Ion Ratio Lower Upper
43 100
58 58.0 28.6 85.8

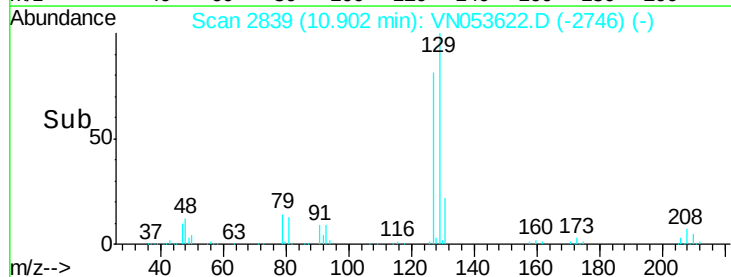
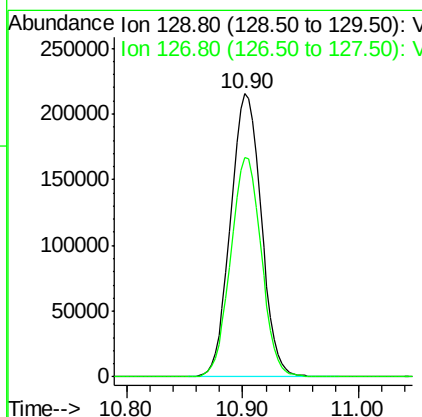
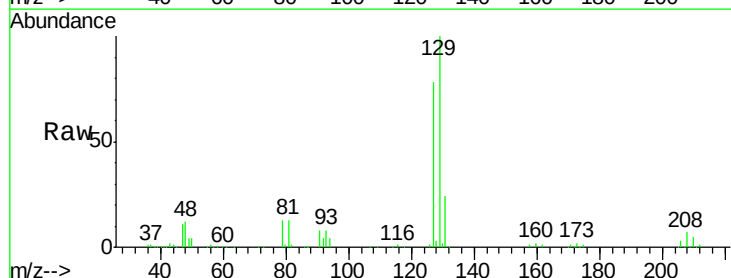
Manual Integrations
APPROVED

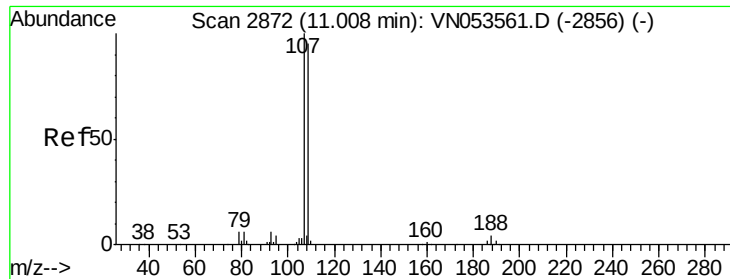
MMDadoda
2/6/2019 12:47:09 PM



#60
Dibromochloromethane
Concen: 51.870 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion: 129 Resp: 395016
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.530 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 337754

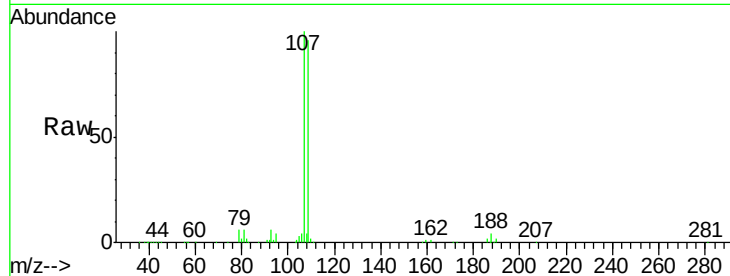
Ion Ratio Lower Upper

107 100

109 95.2 75.7 113.5

Manual Integrations
APPROVED

MMDadoda
2/6/2019 12:47:09 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

200000

150000

100000

50000

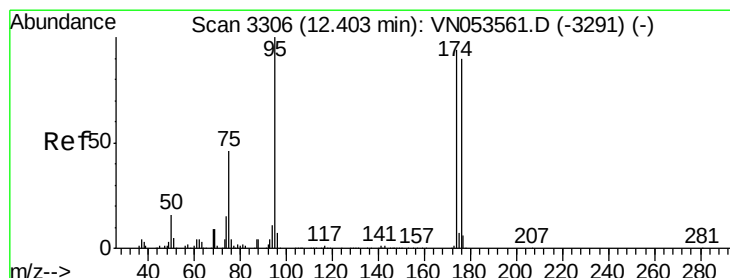
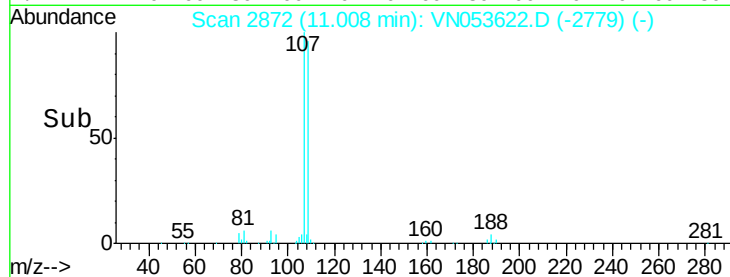
0

Time-->

10.90

11.00

11.10



#62

4-Bromofluorobenzene

Concen: 50.530 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

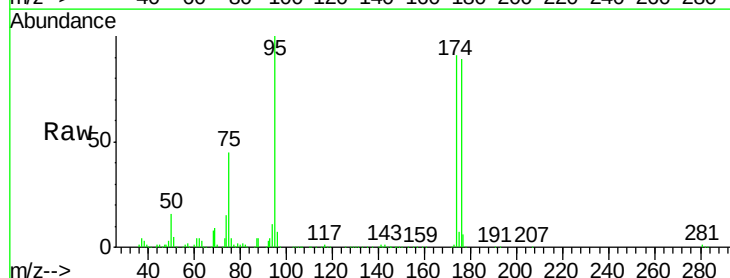
Tgt Ion: 95 Resp: 473582

Ion Ratio Lower Upper

95 100

174 92.8 0.0 183.2

176 90.9 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

300000

200000

100000

0

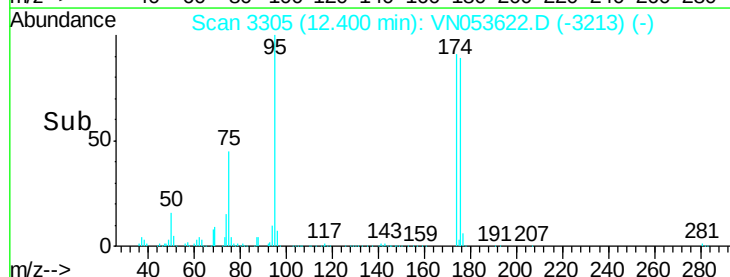
Time-->

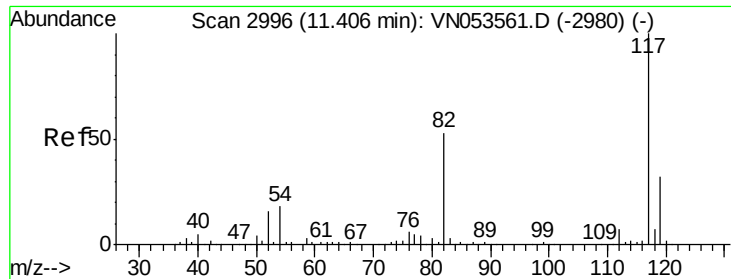
12.35

12.40

12.45

12.50





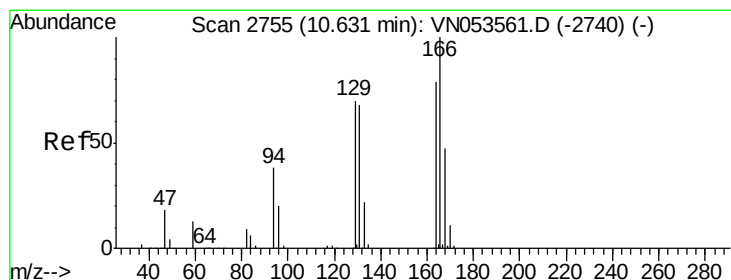
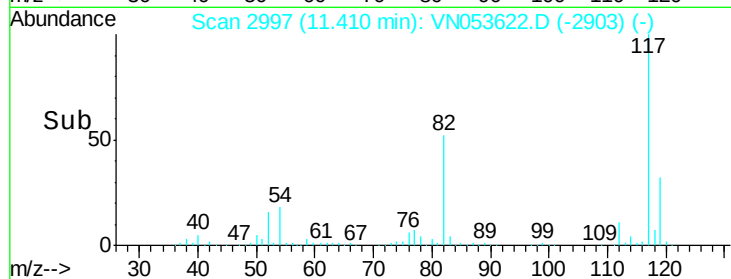
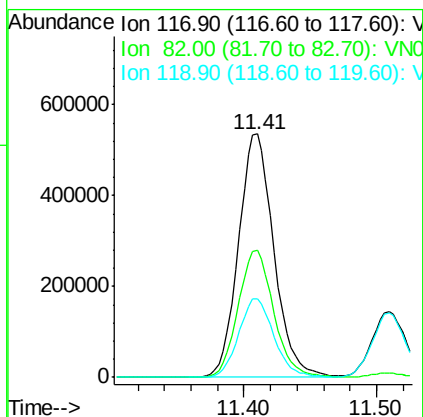
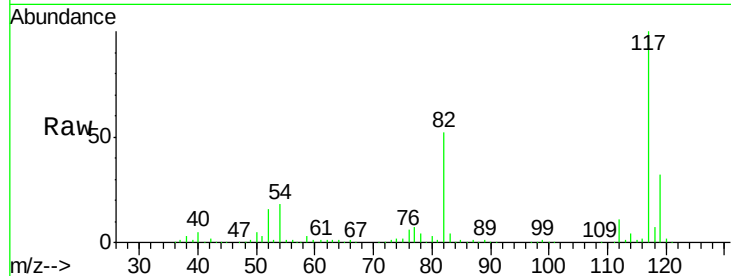
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.9	64.3
119	32.3	26.0	39.0

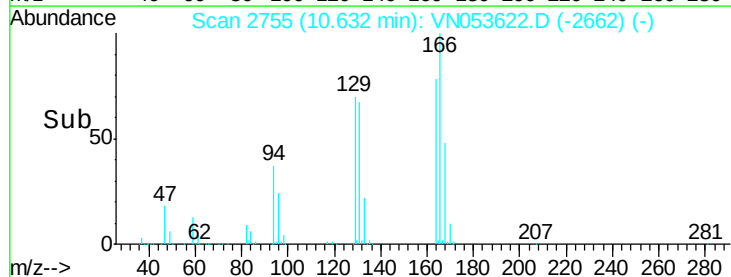
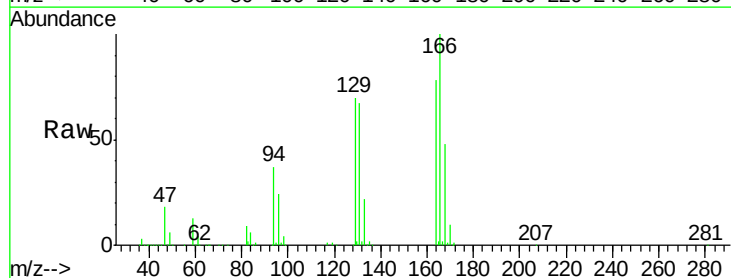
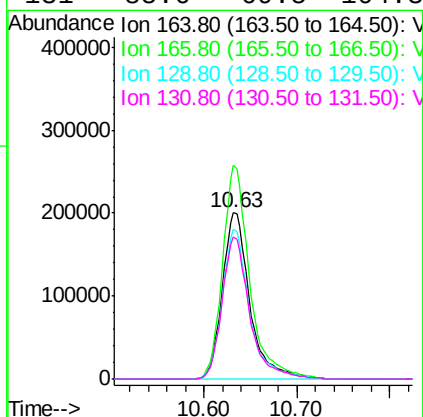
Manual Integrations
APPROVED

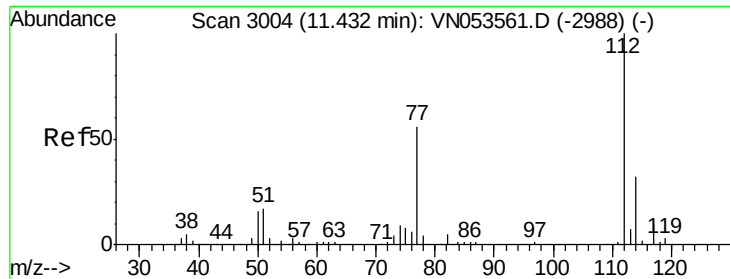
MMDadoda
2/6/2019 12:47:09 PM



#64
Tetrachloroethene
Concen: 48.301 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	102.2	153.4
129	89.9	72.6	109.0
131	85.6	69.5	104.3





#65

Chlorobenzene

Concen: 49.432 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 1044291

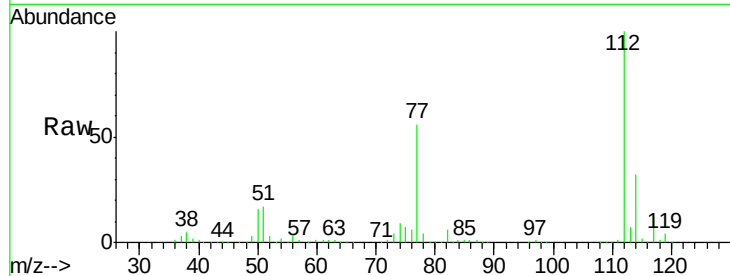
Ion Ratio Lower Upper

112 100

114 32.2 25.3 37.9

Manual Integrations
APPROVED

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

600000

500000

400000

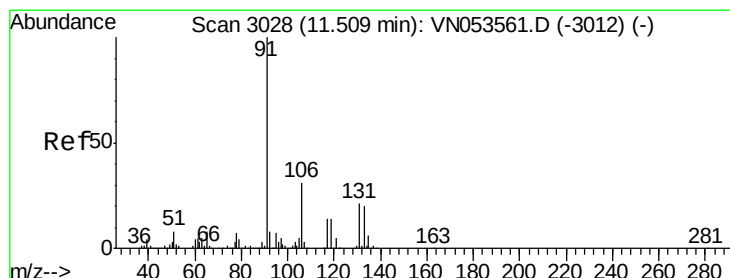
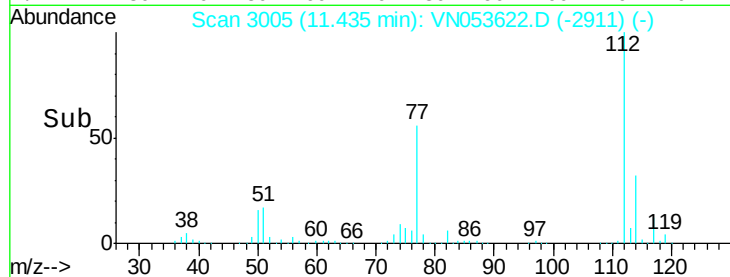
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.321 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

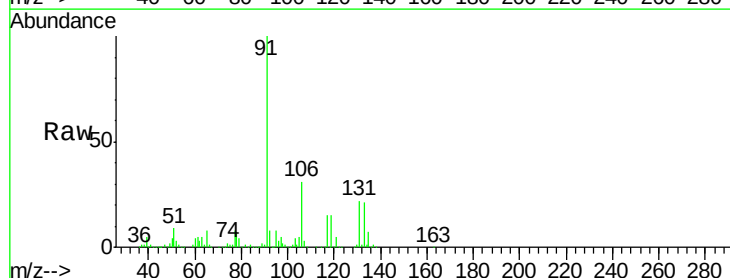
Tgt Ion:131 Resp: 378640

Ion Ratio Lower Upper

131 100

133 95.2 48.0 144.0

119 66.4 33.5 100.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

250000

200000

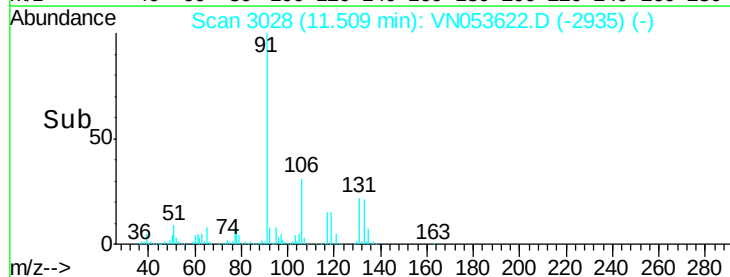
150000

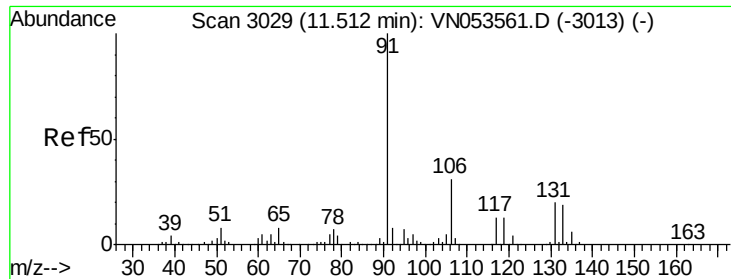
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 50.407 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1749288

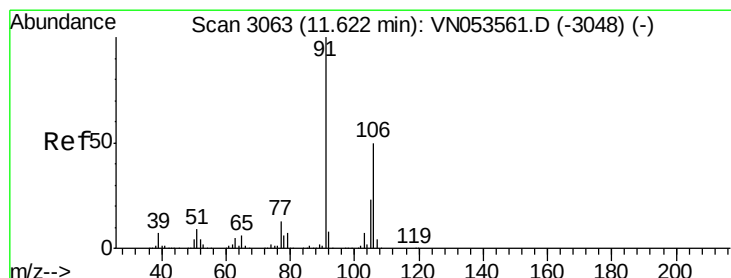
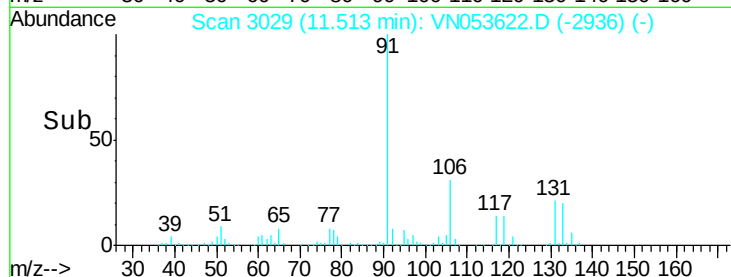
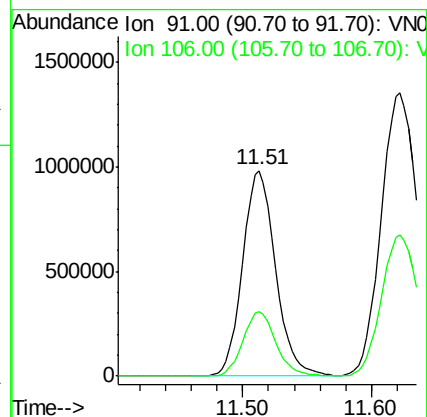
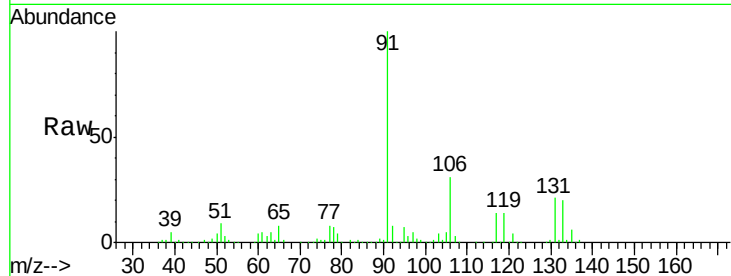
Ion Ratio Lower Upper

91 100

106 31.5 25.0 37.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 102.482 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053622.D

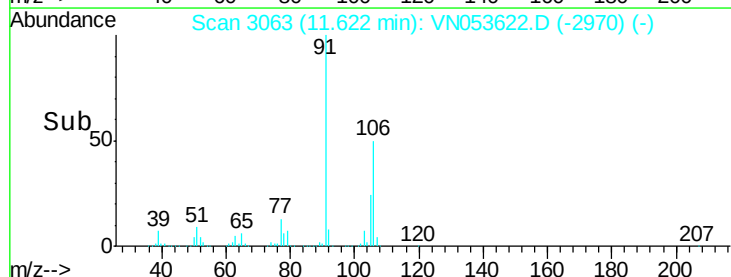
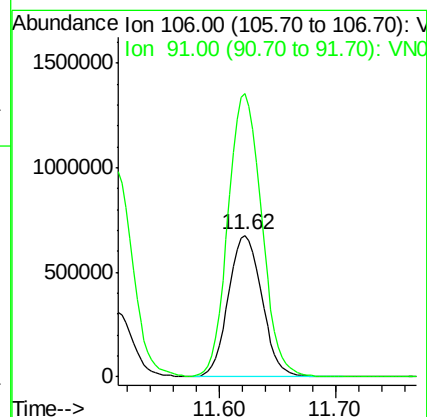
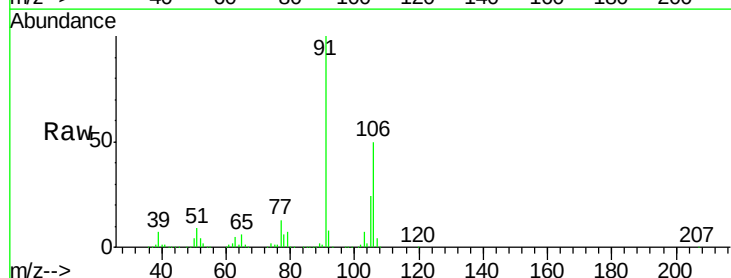
Acq: 5 Feb 2019 16:16

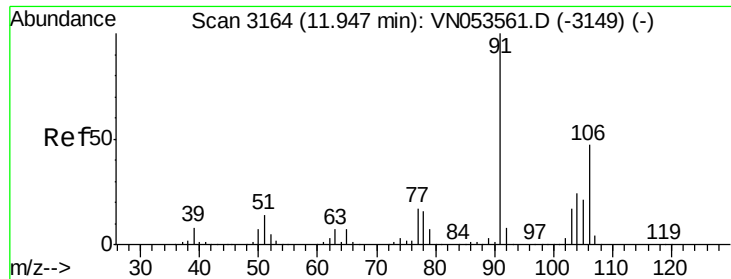
Tgt Ion: 106 Resp: 1357359

Ion Ratio Lower Upper

106 100

91 200.4 161.4 242.2





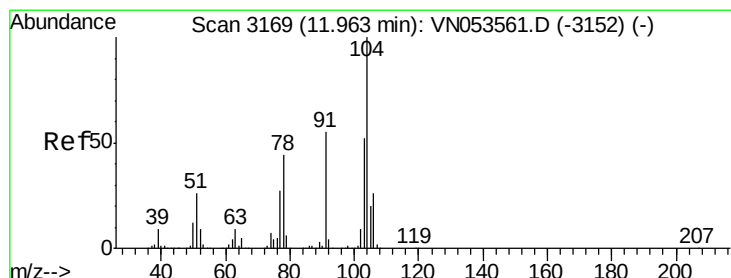
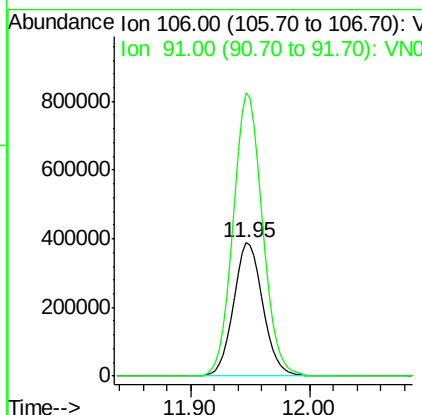
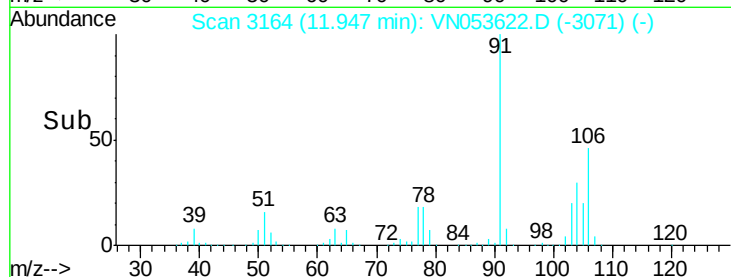
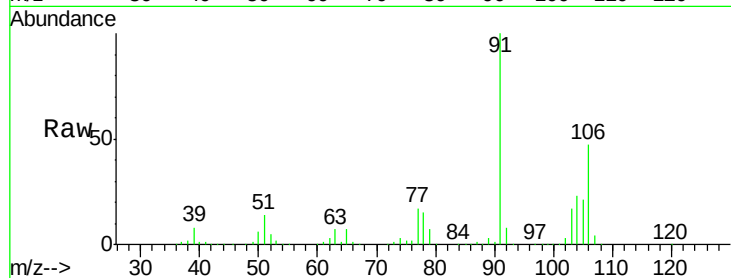
#69
o-Xylene
Concen: 51.842 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 663364
Ion Ratio Lower Upper
106 100
91 211.9 106.9 320.8

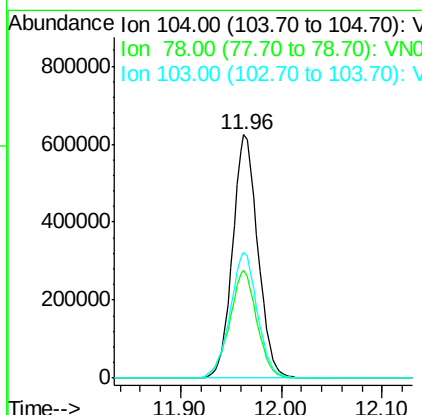
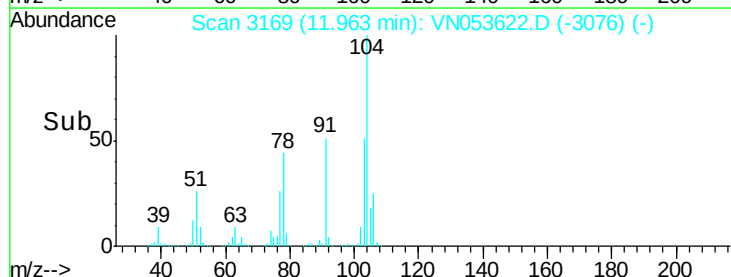
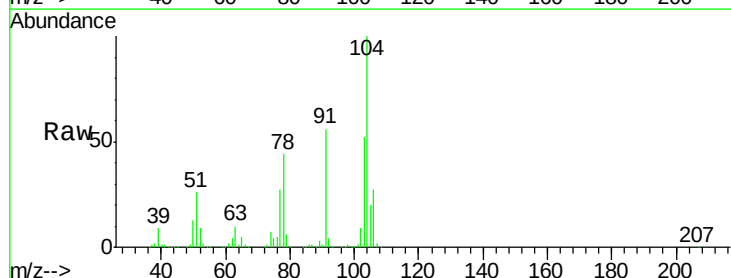
Manual Integrations
APPROVED

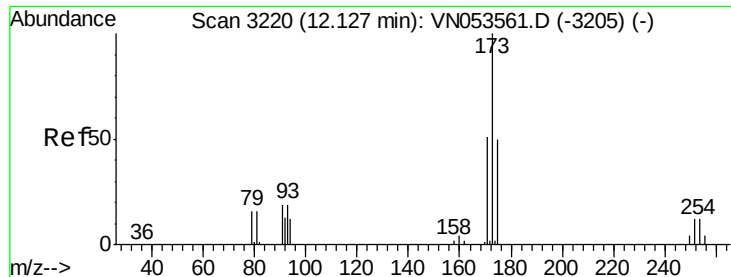
MMDadoda
2/6/2019 12:47:09 PM



#70
Styrene
Concen: 52.422 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion:104 Resp: 1087224
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.2
103 55.5 44.4 66.6





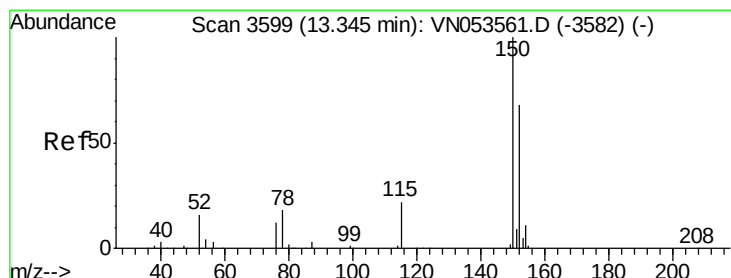
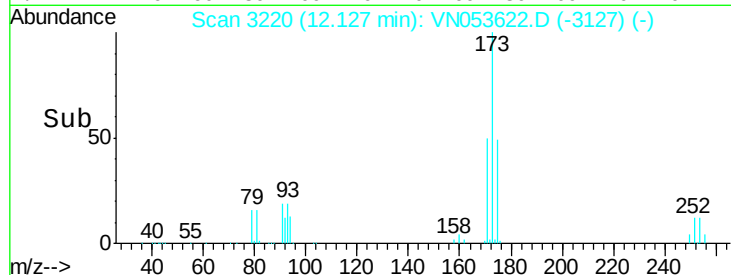
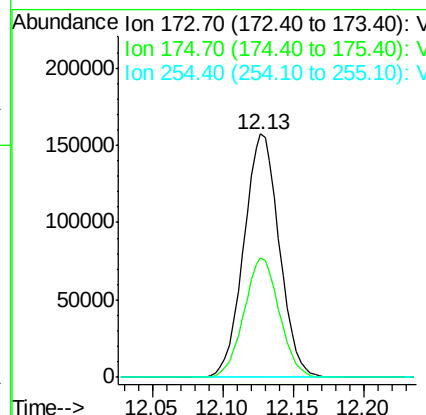
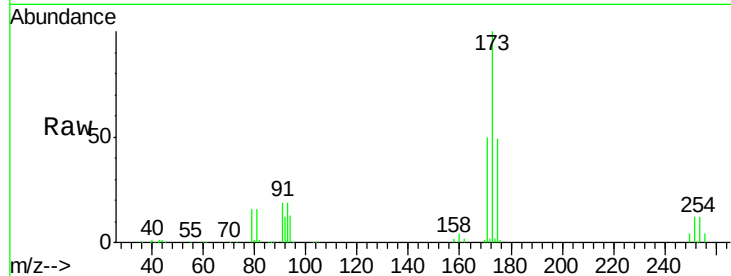
#71
Bromoform
Concen: 54.721 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	74.0
254	0.0	0.2	0.2

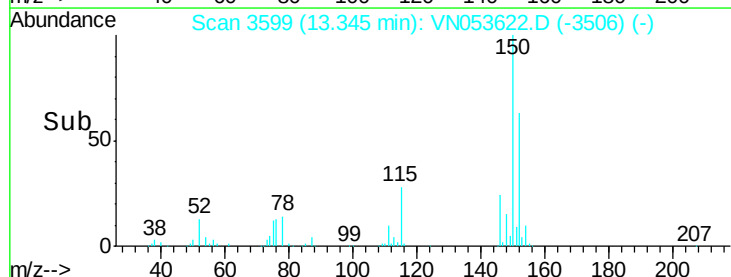
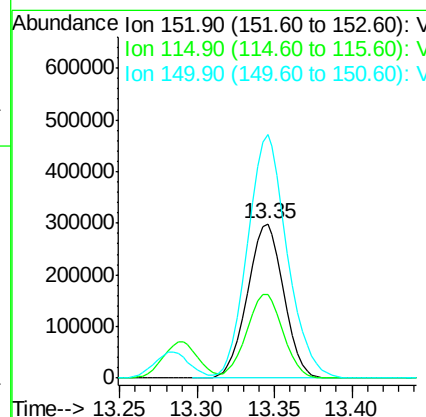
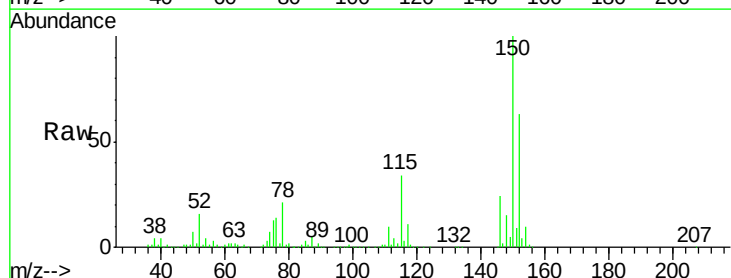
Manual Integrations
APPROVED

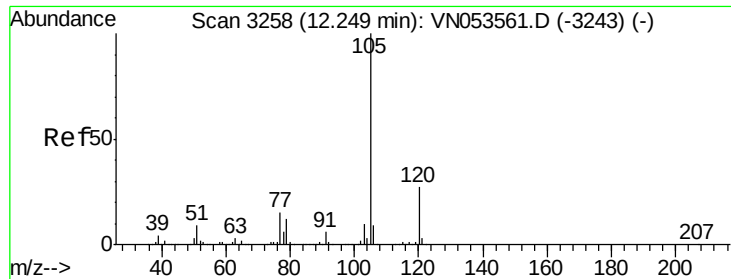
MMDadoda
2/6/2019 12:47:09 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.8	83.4
150	172.0	0.0	349.0





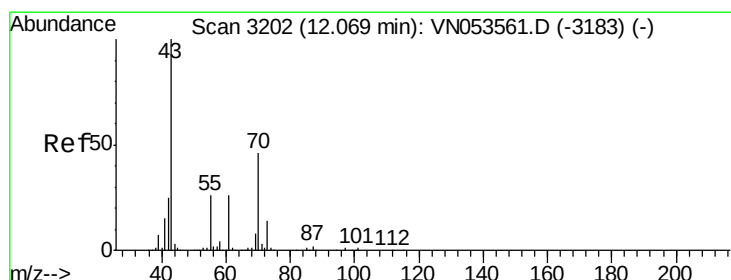
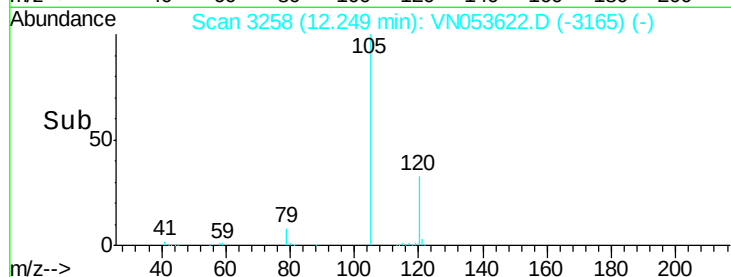
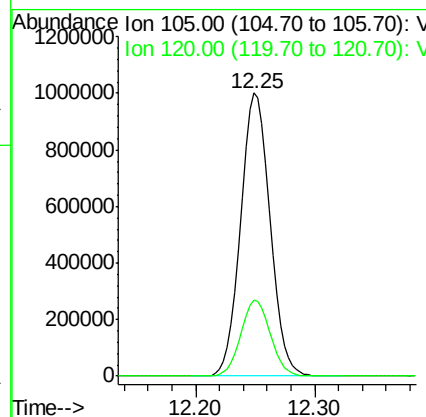
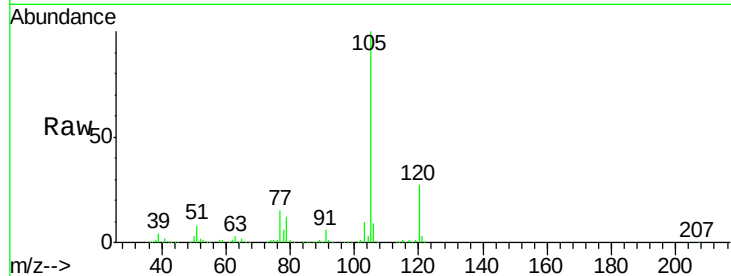
#73
Isopropylbenzene
Concen: 50.176 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1714971
Ion Ratio Lower Upper
105 100
120 27.0 13.6 40.7

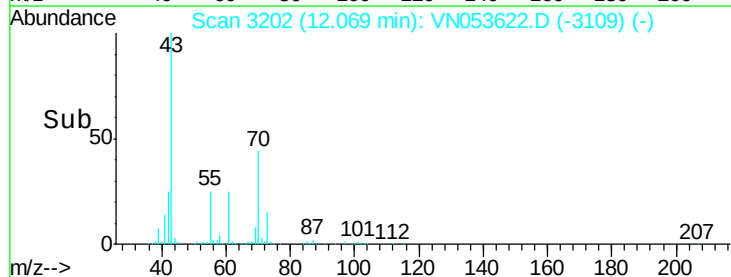
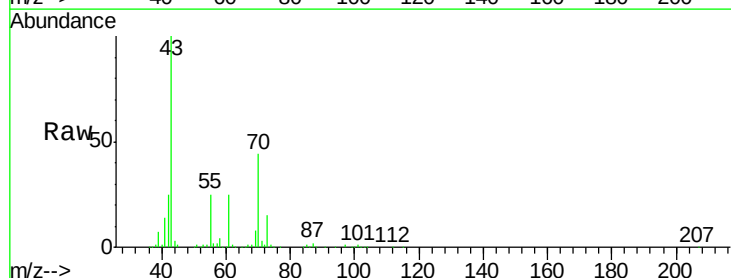
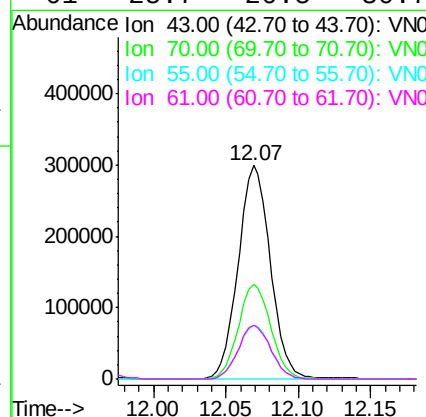
Manual Integrations
APPROVED

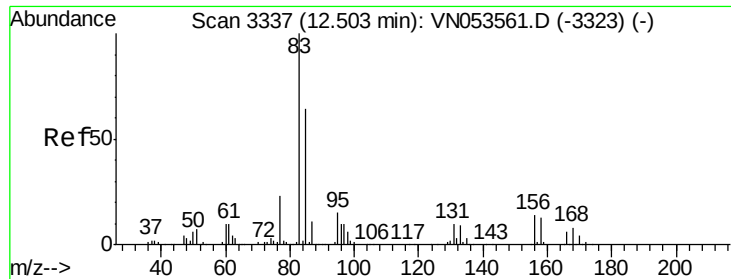
MMDadoda
2/6/2019 12:47:09 PM



#74
N-ethyl acetate
Concen: 56.008 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion: 43 Resp: 460329
Ion Ratio Lower Upper
43 100
70 45.0 35.4 53.2
55 25.8 20.9 31.3
61 25.7 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 51.141 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

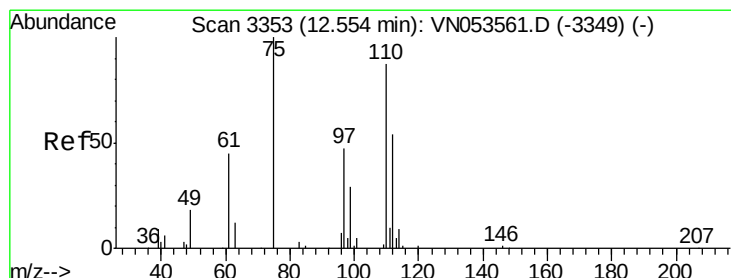
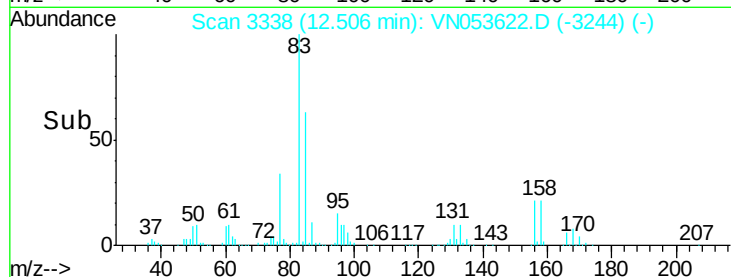
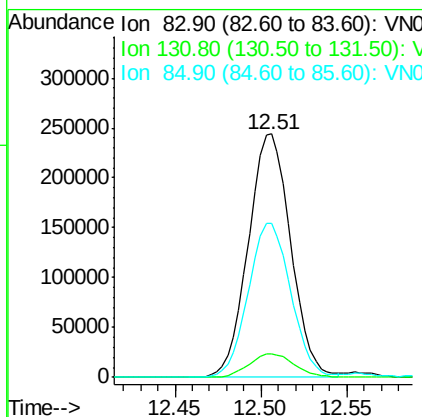
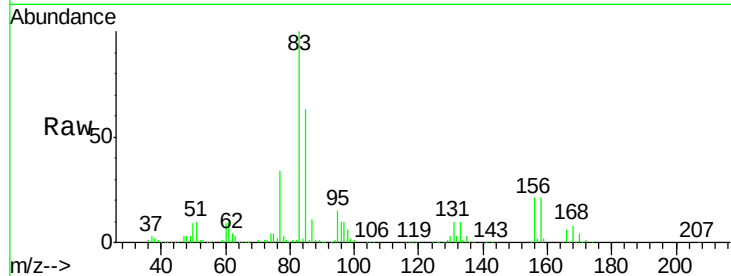
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	418334
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.8
85	63.4	32.1	96.3

Manual Integrations
APPROVED

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2/6/2019 12:47:09 PM



#76

1,2,3-Trichloropropane

Concen: 55.318 ug/l m

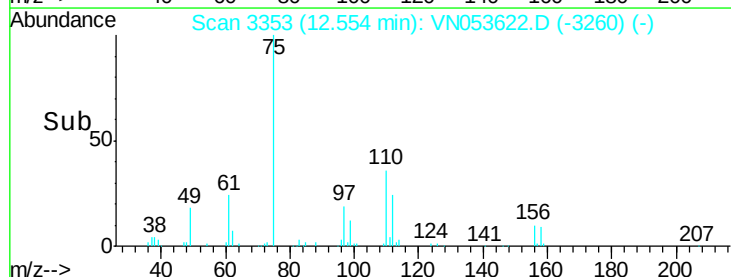
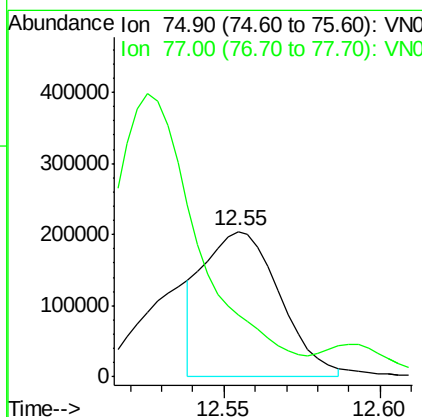
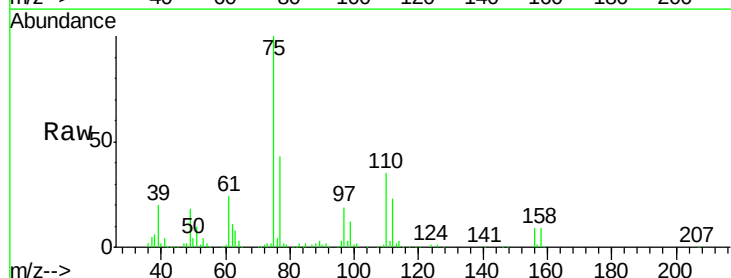
RT: 12.55 min Scan# 3353

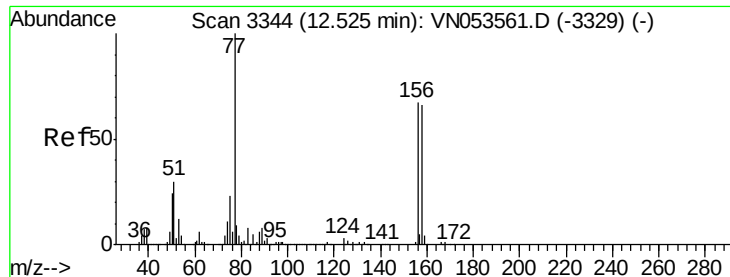
Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Tgt Ion:	75	Resp:	345454
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.763 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 458398

Ion Ratio Lower Upper

156 100

77 173.8 87.9 263.8

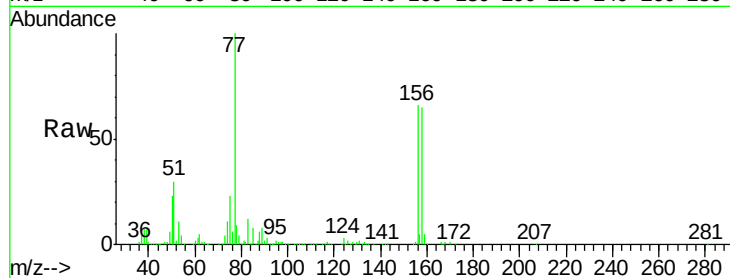
158 98.4 48.8 146.4

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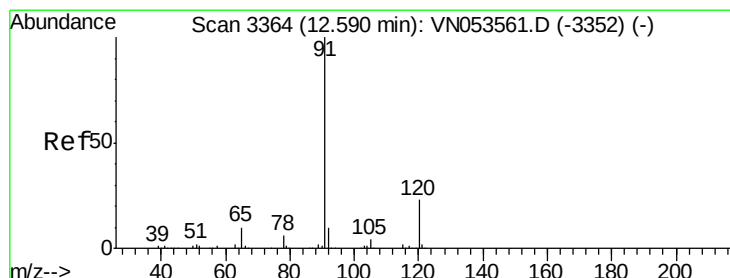
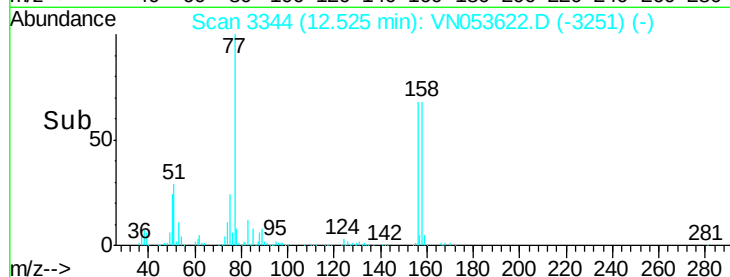
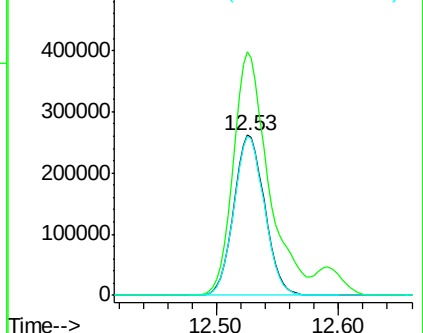
2/6/2019 12:47:09 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.130 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053622.D

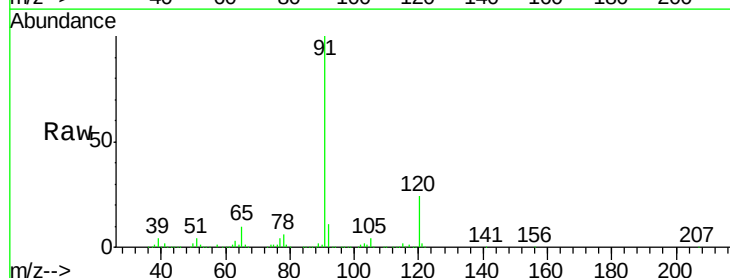
Acq: 5 Feb 2019 16:16

Tgt Ion: 91 Resp: 1980721

Ion Ratio Lower Upper

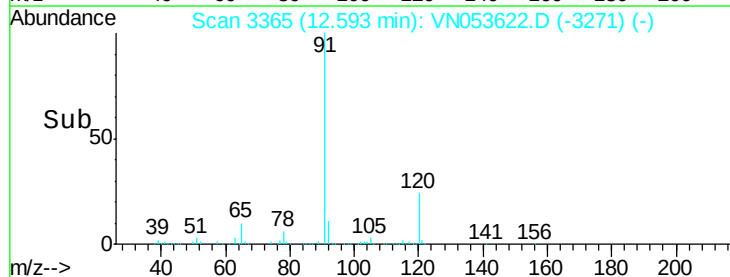
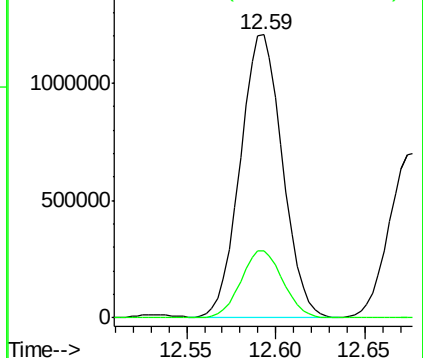
91 100

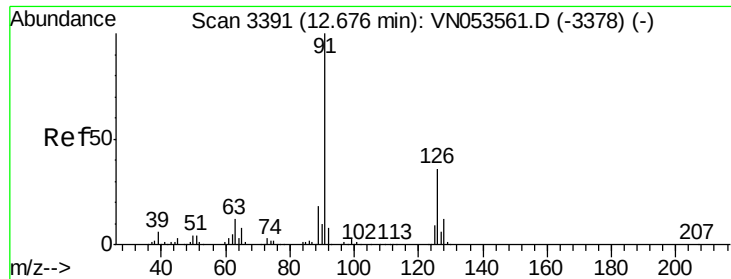
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.103 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1174481

Ion Ratio Lower Upper

91 100

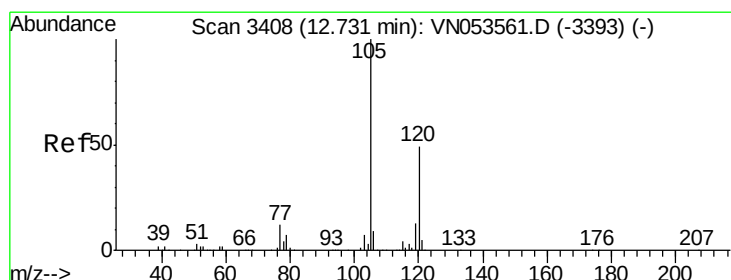
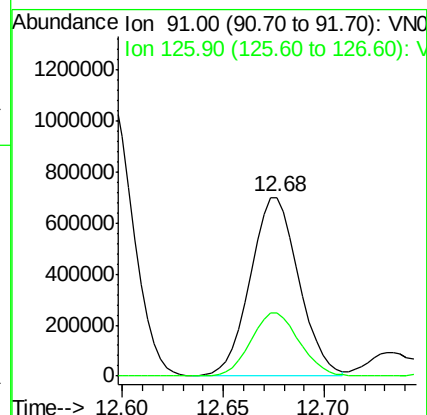
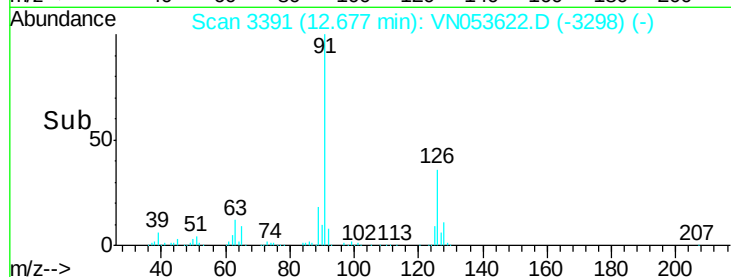
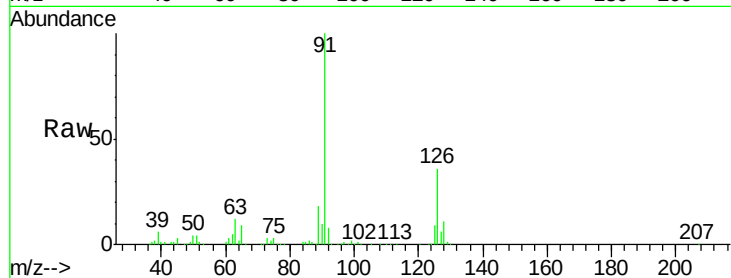
126 35.8 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 52.211 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053622.D

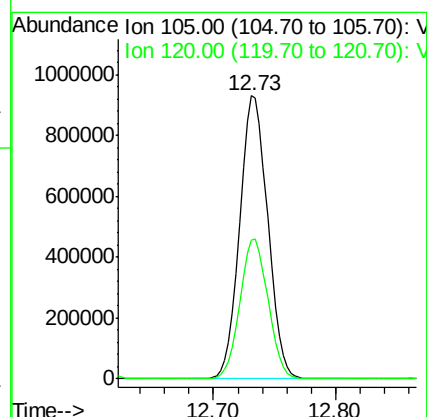
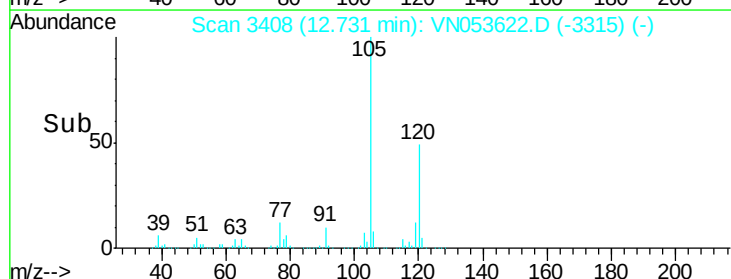
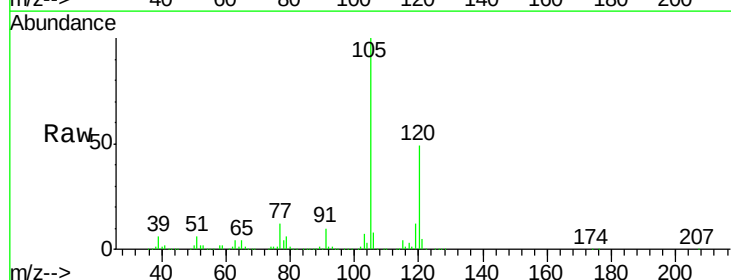
Acq: 5 Feb 2019 16:16

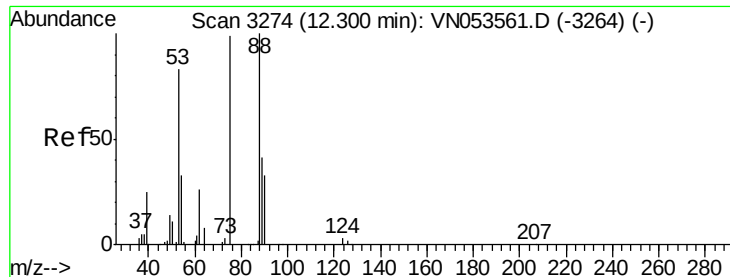
Tgt Ion: 105 Resp: 1479803

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.6





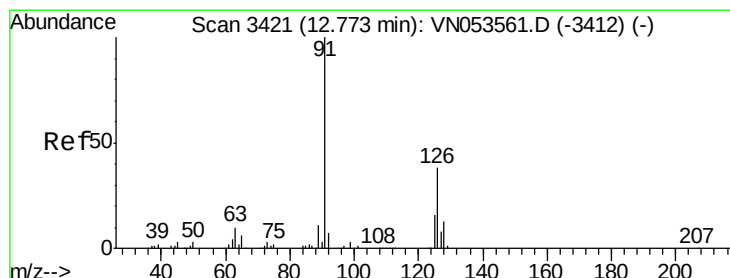
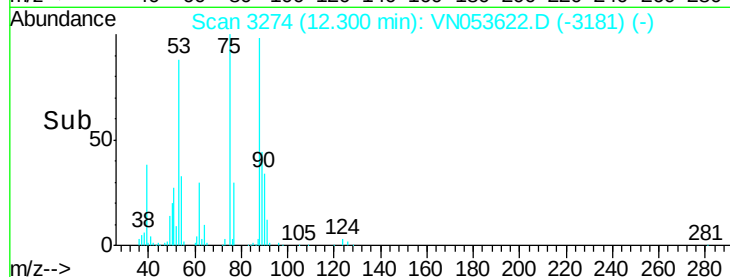
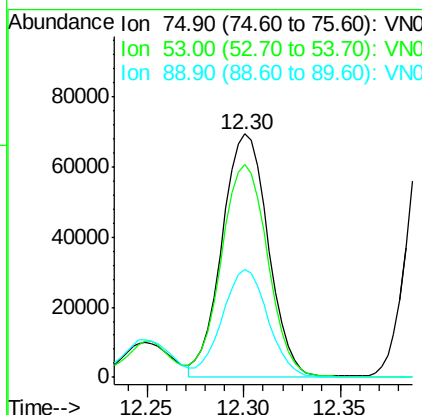
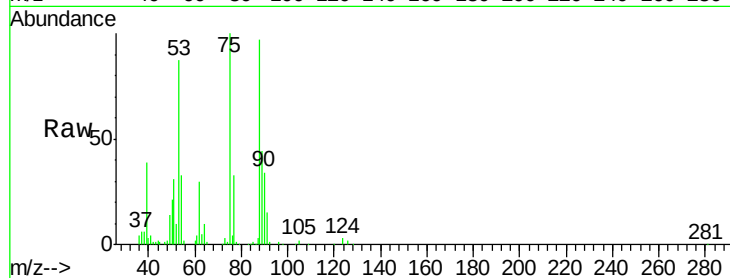
#81
trans-1,4-Dichloro-2-butene
Concen: 52.111 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.8	69.8	104.6
89	44.0	35.6	53.4

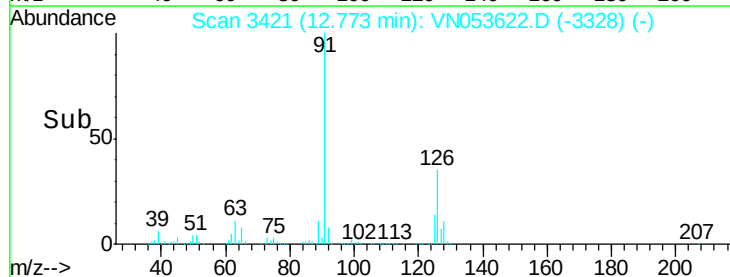
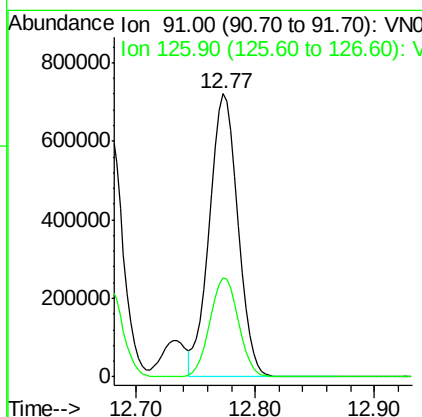
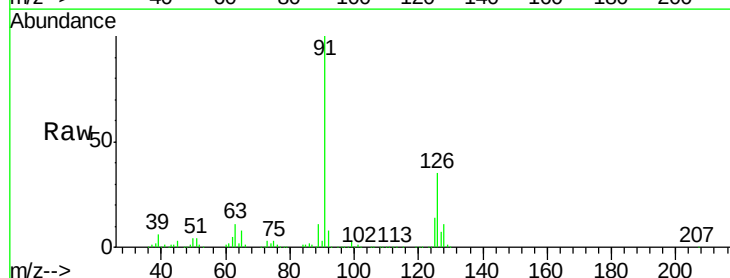
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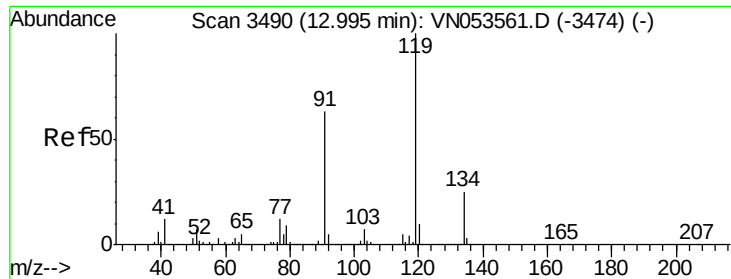
MMDadoda
2/6/2019 12:47:09 PM



#82
4-Chlorotoluene
Concen: 49.754 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.9





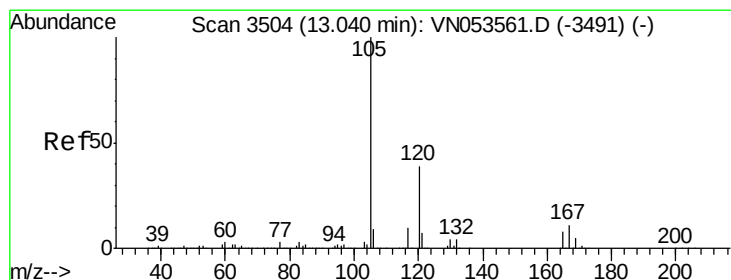
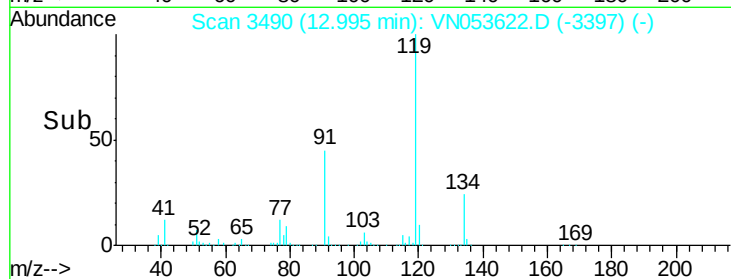
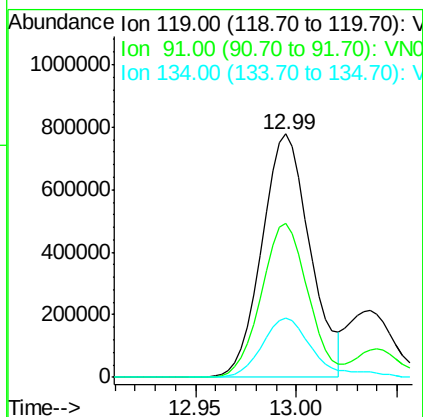
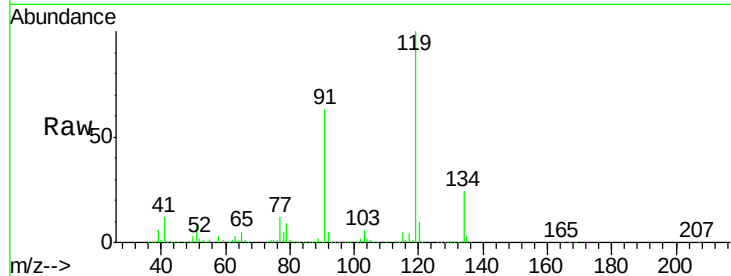
#83
 tert-Butylbenzene
 Concen: 51.582 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.8	31.3	93.8
134	26.1	12.9	38.7

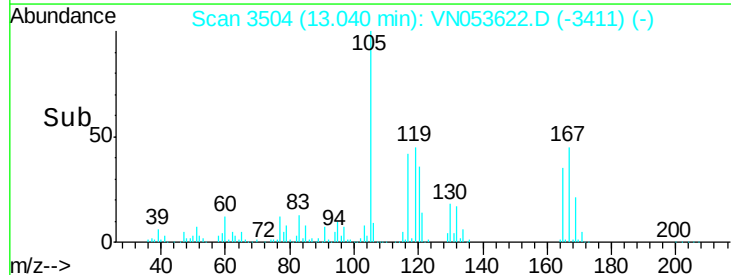
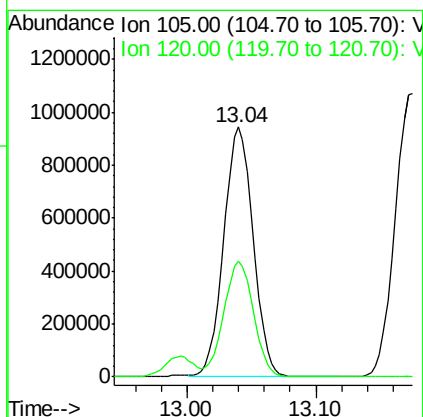
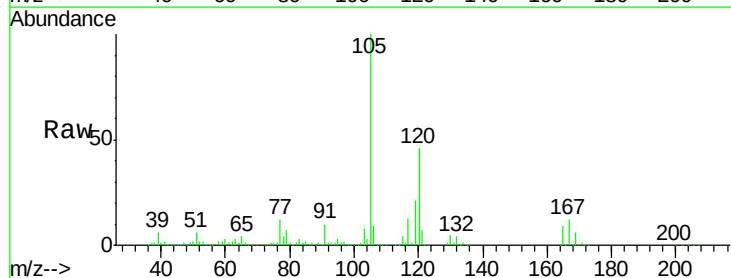
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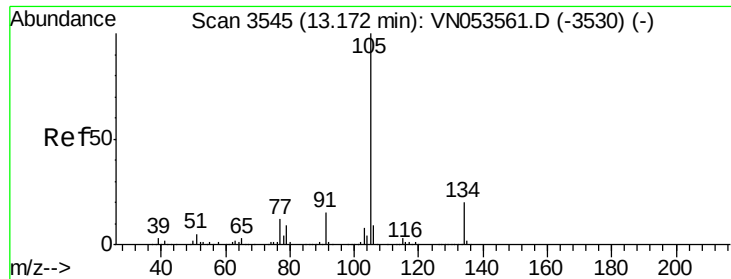
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.619 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.0	69.0





#85

sec-Butylbenzene

Concen: 50.853 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1733503

Ion Ratio Lower Upper

105 100

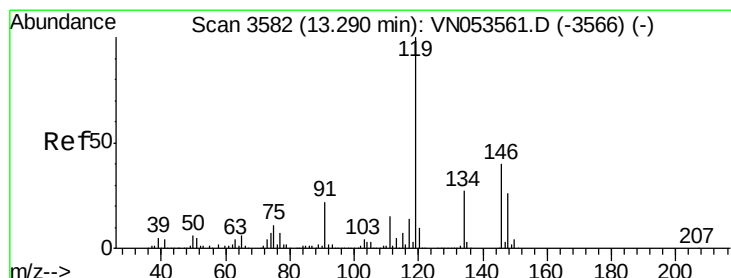
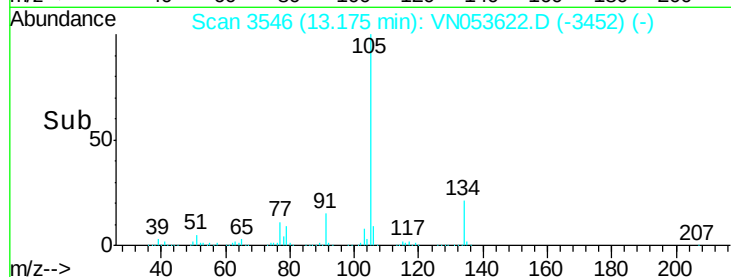
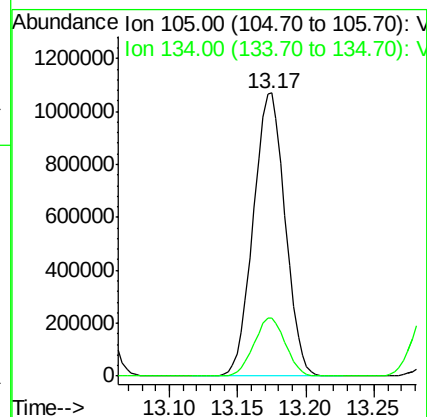
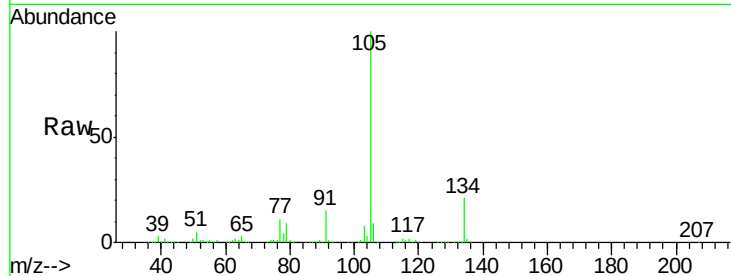
134 20.5 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.585 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

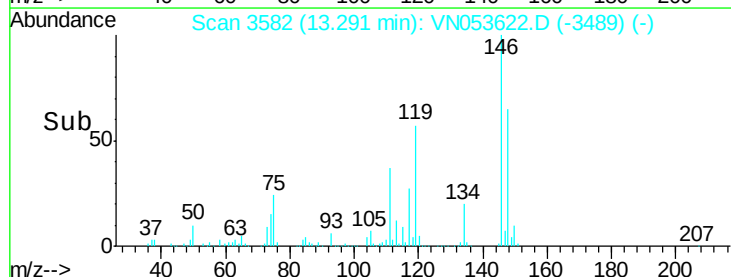
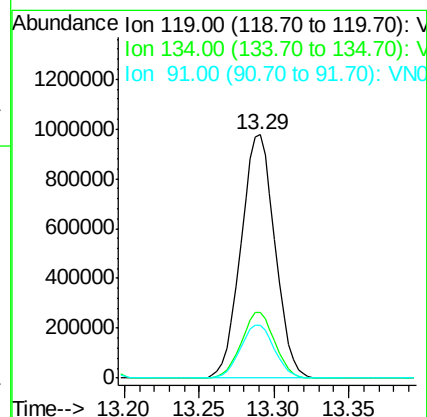
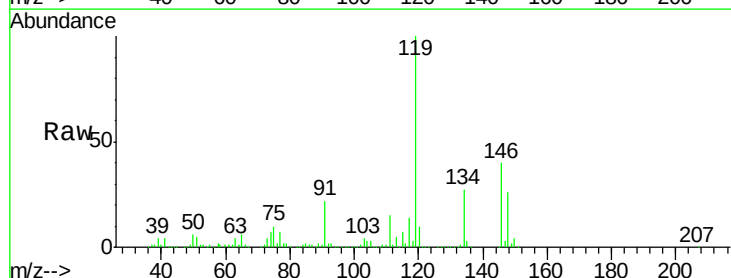
Tgt Ion:119 Resp: 1537913

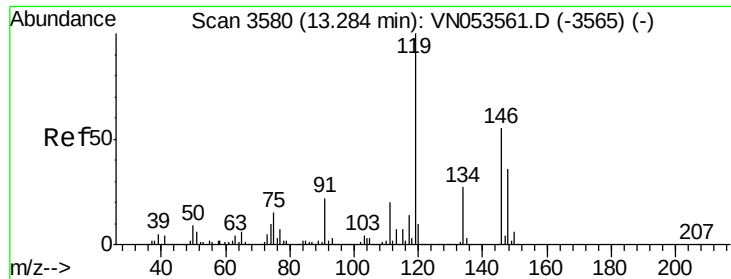
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 21.8 11.0 33.0





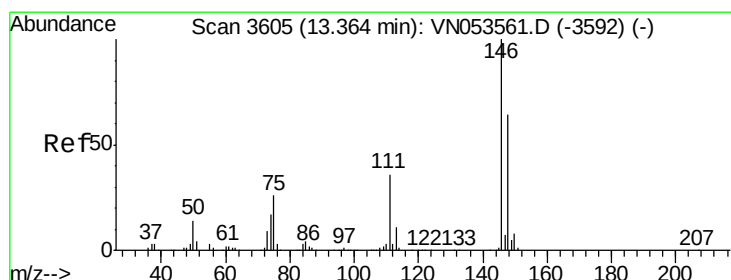
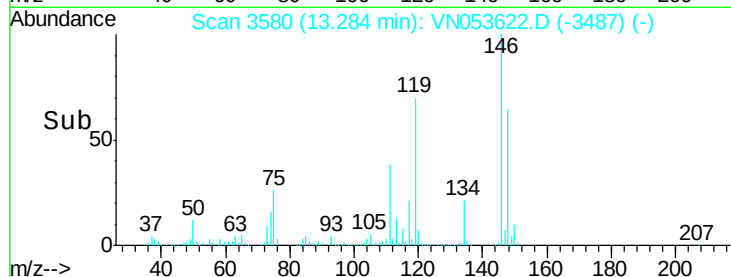
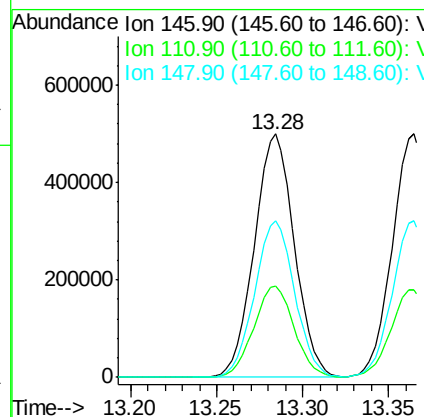
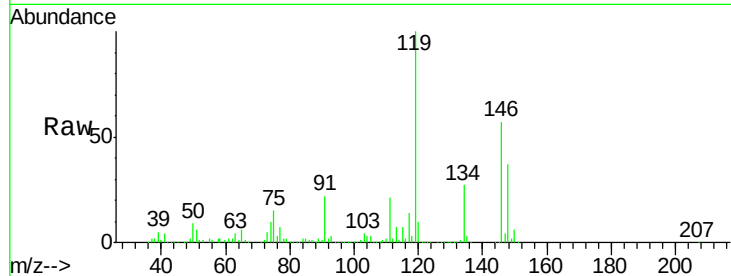
#87
 1,3-Dichlorobenzene
 Concen: 48.772 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	807619		
111	37.7	18.8	56.3	
148	64.2	32.0	96.2	

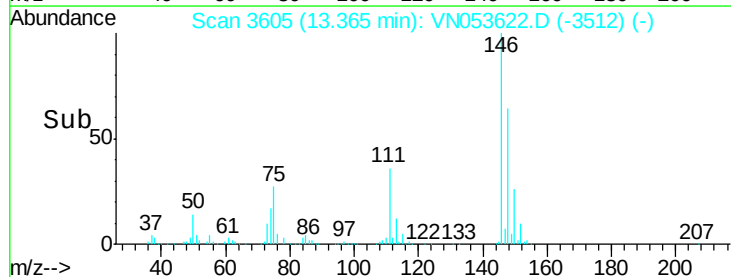
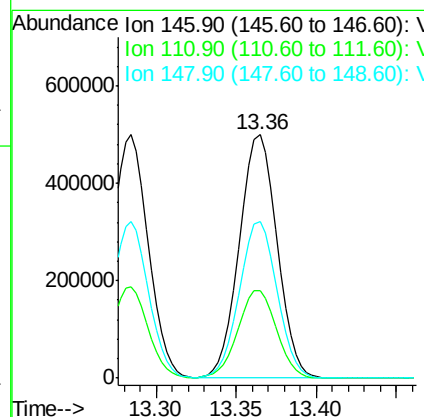
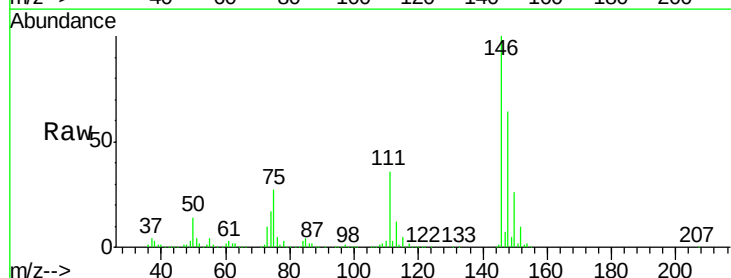
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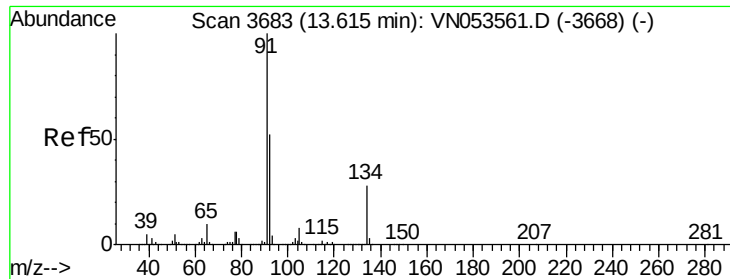
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#88
 1,4-Dichlorobenzene
 Concen: 48.971 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	802149		
111	36.8	18.6	55.8	
148	64.4	32.4	97.0	





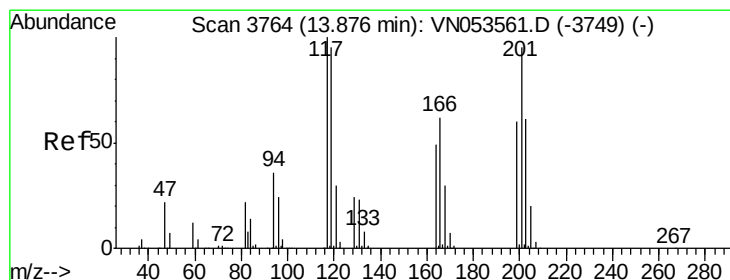
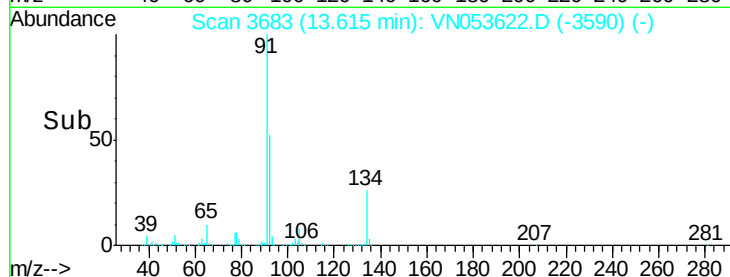
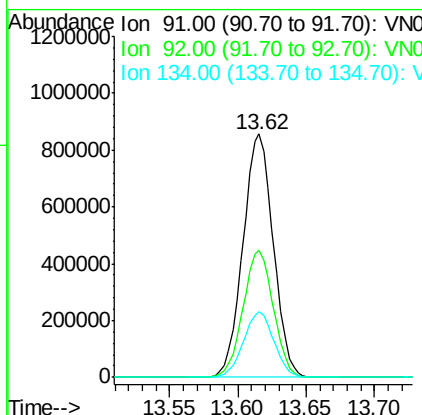
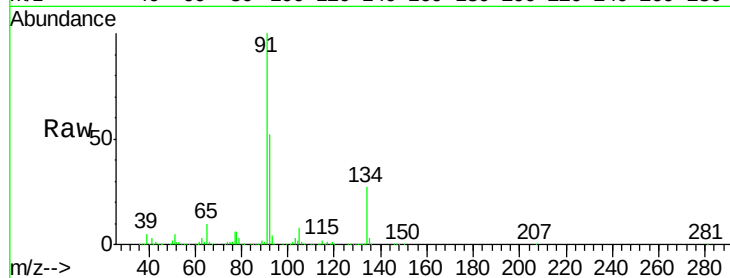
#89
n-Butylbenzene
Concen: 51.011 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1316357
Ion Ratio Lower Upper
91 100
92 52.2 26.3 78.8
134 27.0 13.5 40.5

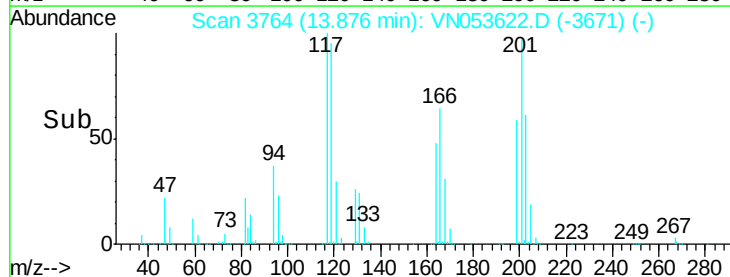
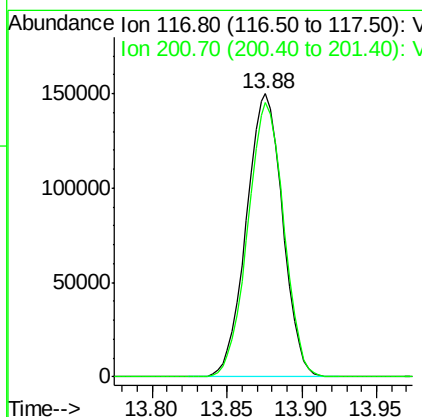
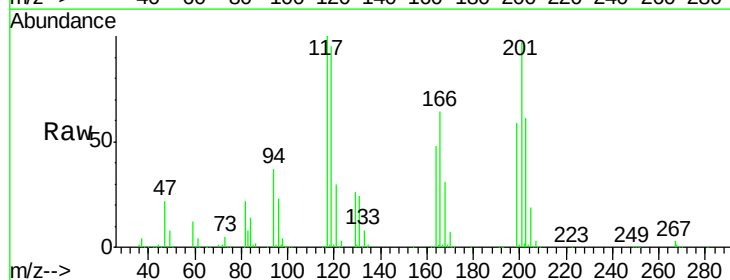
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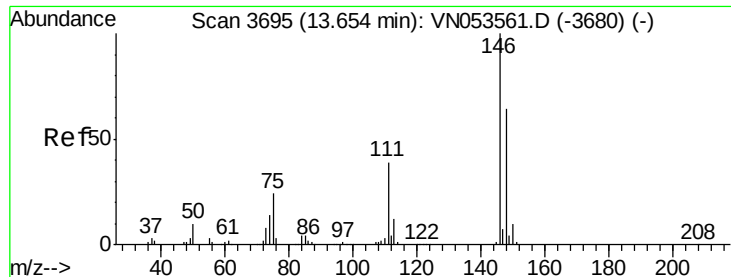
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#90
Hexachloroethane
Concen: 51.481 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053622.D
Acq: 5 Feb 2019 16:16

Tgt Ion: 117 Resp: 253164
Ion Ratio Lower Upper
117 100
201 96.1 46.8 140.4





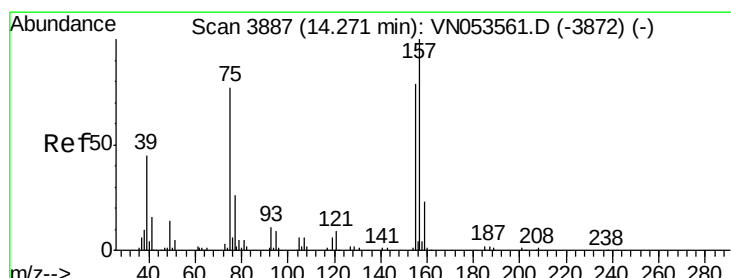
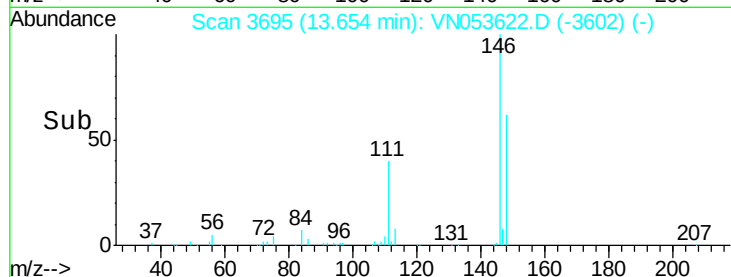
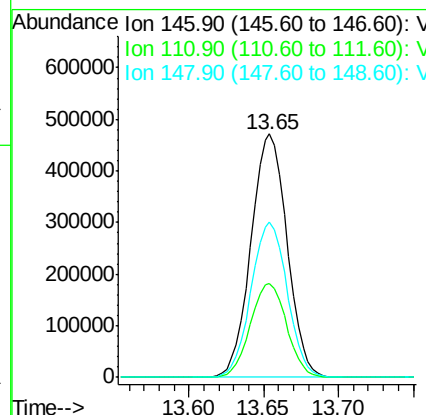
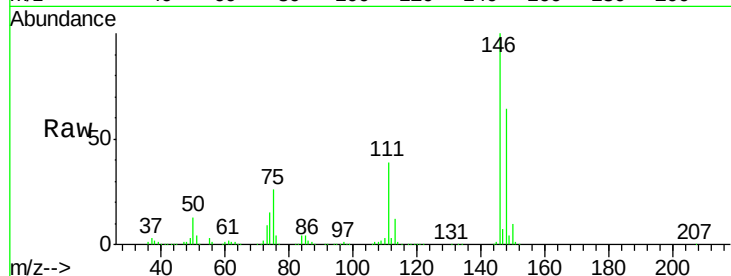
#91
 1,2-Dichlorobenzene
 Concen: 49.932 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.5	58.5
148	64.0	31.9	95.9

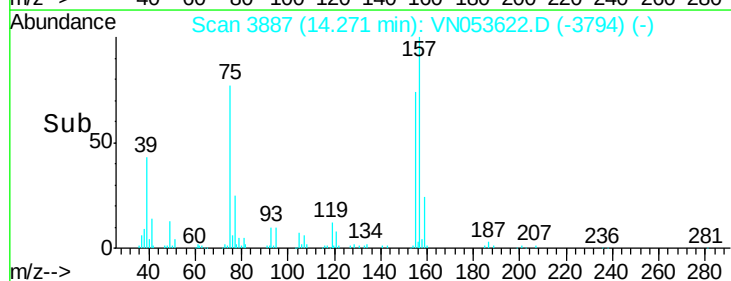
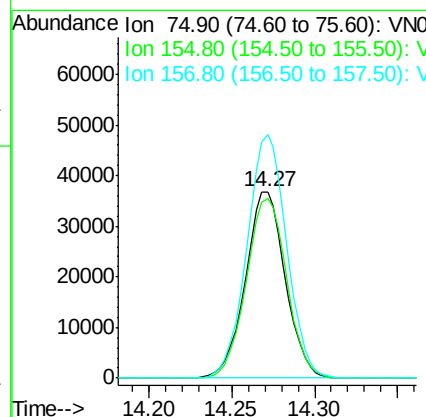
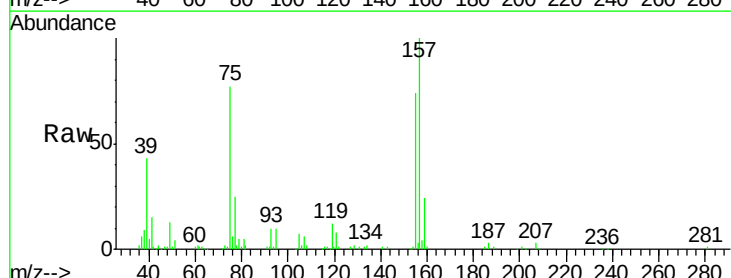
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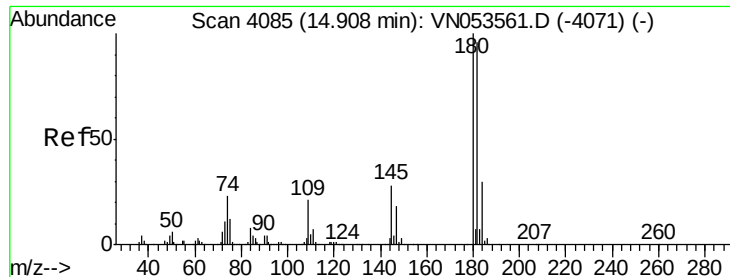
MMDadoda
 2/6/2019 12:47:09 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.585 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.1	48.9	146.7
157	130.4	63.7	191.3





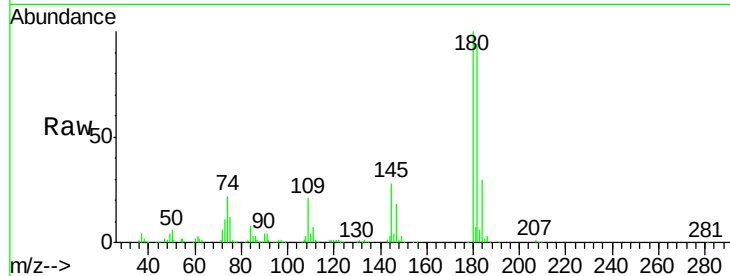
#93
 1,2,4-Trichlorobenzene
 Concen: 52.016 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	472932		
182	94.8	48.1	144.3	
145	27.8	13.9	41.6	

Manual Integrations
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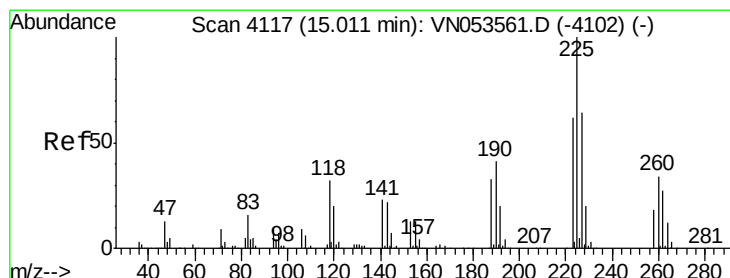
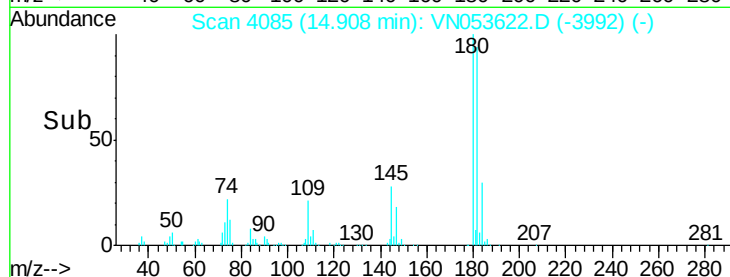
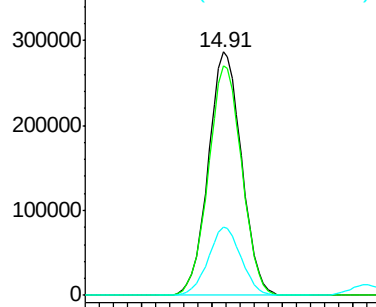


Abundance

Ion 179.80 (179.50 to 180.50): V

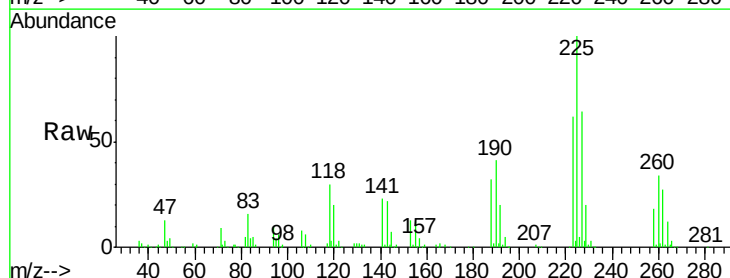
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 48.219 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053622.D
 Acq: 5 Feb 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	273023		
223	61.9	31.1	93.2	
227	63.0	32.0	96.2	

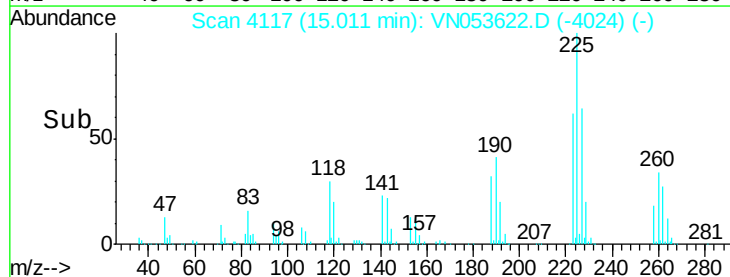
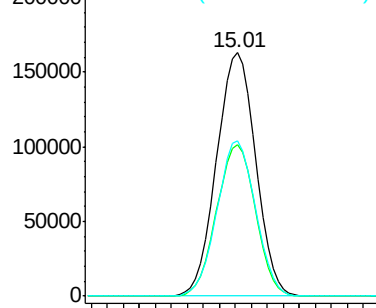


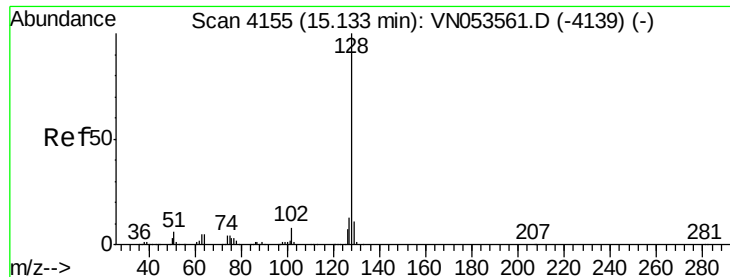
Abundance

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: 49.931 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1066377

Ion Ratio Lower Upper

128 100

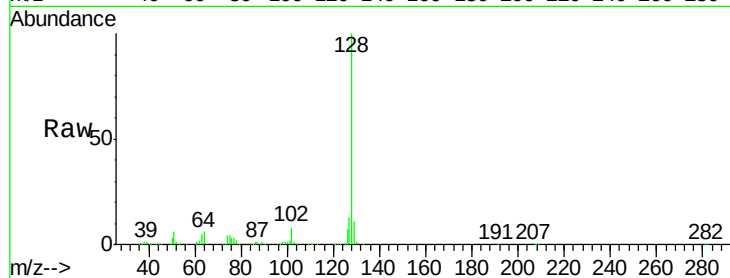
127 12.7 10.3 15.5

129 10.8 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

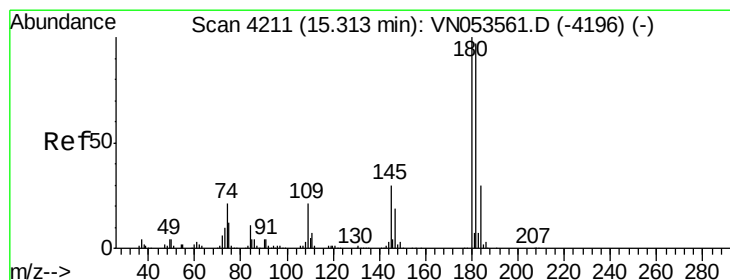
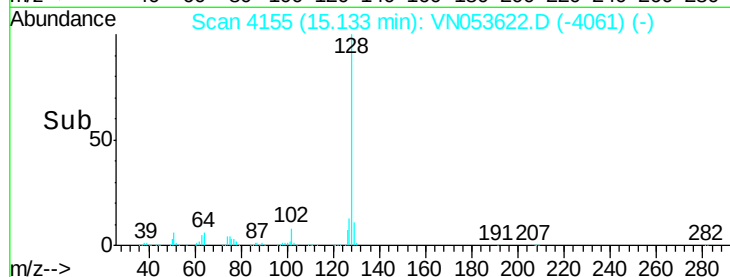
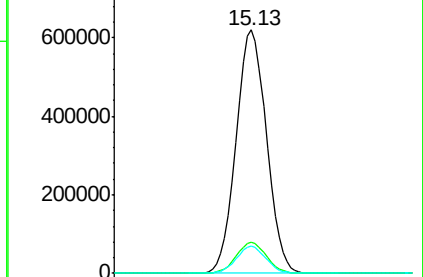
2/6/2019 12:47:09 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.565 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053622.D

Acq: 5 Feb 2019 16:16

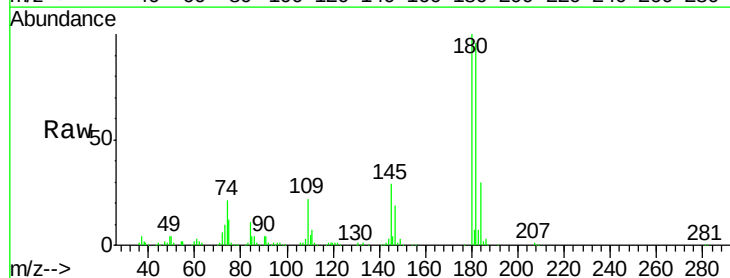
Tgt Ion:180 Resp: 435020

Ion Ratio Lower Upper

180 100

182 95.5 47.9 143.8

145 29.9 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

