

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051019\
 Data File : VN055540.D
 Acq On : 10 May 2019 10:16
 Operator : JC/SP
 Sample : VN0510WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBS01

Manual Integrations
 APPROVED

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 5/11/2019 1:16:36 PM

Quant Time: May 11 01:19:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	581484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	976547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	844529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	308931	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	320955	36.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.32%	
35) Dibromofluoromethane	7.59	113	246892	39.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.38%	
50) Toluene-d8	10.09	98	942806	38.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.82%	
62) 4-Bromofluorobenzene	12.40	95	296886	35.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	89382	15.098	ug/l	99
3) Chloromethane	2.06	50	142001	14.764	ug/l	98
4) Vinyl Chloride	2.19	62	140091	15.430	ug/l	97
5) Bromomethane	2.54	94	84982	17.084	ug/l	94
6) Chloroethane	2.69	64	87303	16.509	ug/l	94
7) Trichlorofluoromethane	3.01	101	159249	15.989	ug/l	93
8) Diethyl Ether	3.41	74	71674	16.023	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	102501	16.175	ug/l	98
10) Methyl Iodide	3.95	142	117965	13.773	ug/l	99
11) Tert butyl alcohol	4.81	59	88946	68.805	ug/l	99
12) 1,1-Dichloroethene	3.73	96	100915	15.879	ug/l	99
13) Acrolein	3.61	56	67934	78.851	ug/l	98
14) Allyl chloride	4.32	41	197988	15.208	ug/l	100
15) Acrylonitrile	5.00	53	295322	73.778	ug/l	98
16) Acetone	3.82	43	311575	76.858	ug/l	97
17) Carbon Disulfide	4.04	76	261350	15.067	ug/l	99
18) Methyl Acetate	4.33	43	131528	14.679	ug/l	98
19) Methyl tert-butyl Ether	5.06	73	326079	15.441	ug/l	95
20) Methylene Chloride	4.55	84	126876	15.305	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	110042	15.970	ug/l	94
22) Diisopropyl ether	5.96	45	401876	15.191	ug/l	95
23) Vinyl Acetate	5.90	43	1535169	75.035	ug/l	99
24) 1,1-Dichloroethane	5.85	63	221356	15.500	ug/l	99
25) 2-Butanone	6.84	43	401703	71.733	ug/l	100
26) 2,2-Dichloropropane	6.83	77	144391	16.219	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	127435	16.003	ug/l	98
28) Bromochloromethane	7.19	49	97979	13.211	ug/l	95
29) Tetrahydrofuran	7.22	42	264329	71.400	ug/l	98
30) Chloroform	7.37	83	210347	15.933	ug/l	99
31) Cyclohexane	7.65	56	212104	15.011	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	159804	15.895	ug/l	99
36) 1,1-Dichloropropene	7.79	75	157741	16.396	ug/l	100
37) Ethyl Acetate	6.93	43	154583	14.730	ug/l	98
38) Carbon Tetrachloride	7.77	117	128214	15.827	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	182512	15.559	ug/l	98
40) Benzene	8.04	78	484732	16.234	ug/l	99
41) Methacrylonitrile	7.18	41	70988	14.574	ug/l	91
42) 1,2-Dichloroethane	8.12	62	170840	16.286	ug/l	99
43) Isopropyl Acetate	8.17	43	239598	15.028	ug/l	98
44) Trichloroethene	8.83	130	114777	16.155	ug/l	97
45) 1,2-Dichloropropane	9.12	63	140883	16.490	ug/l	99
46) Dibromomethane	9.21	93	80029	16.161	ug/l	98
47) Bromodichloromethane	9.40	83	150703	15.908	ug/l	98
48) Methyl methacrylate	9.20	41	113993	14.839	ug/l	98
49) 1,4-Dioxane	9.20	88	45635	304.800	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	759009	72.383	ug/l	99
52) Toluene	10.16	92	277211	16.240	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	142431	15.654	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	175967	16.185	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	113581	16.422	ug/l	99
56) Ethyl methacrylate	10.43	69	153536	14.925	ug/l	99
57) 1,3-Dichloropropane	10.71	76	196380	15.994	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	76860	33.595	ug/l	99
59) 2-Hexanone	10.75	43	535754	72.854	ug/l	100
60) Dibromochloromethane	10.90	129	101931	16.210	ug/l	99
61) 1,2-Dibromoethane	11.01	107	106977	16.099	ug/l	99
64) Tetrachloroethene	10.63	164	109181	15.777	ug/l	98
65) Chlorobenzene	11.43	112	277527	15.973	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	99111	16.569	ug/l	99
67) Ethyl Benzene	11.51	91	504728	15.467	ug/l	99
68) m/p-Xylenes	11.62	106	367058	31.343	ug/l	100
69) o-Xylene	11.95	106	182123	15.822	ug/l	98
70) Styrene	11.96	104	292144	15.842	ug/l	99
71) Bromoform	12.12	173	61366	15.203	ug/l #	99
73) Isopropylbenzene	12.25	105	482846	17.318	ug/l	99
74) N-amyl acetate	12.07	43	171027	14.582	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	154715	17.069	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	126851m	15.083	ug/l	
77) Bromobenzene	12.53	156	110016	16.159	ug/l	97
78) n-propylbenzene	12.59	91	520199	15.700	ug/l	99
79) 2-Chlorotoluene	12.67	91	323814	15.681	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	391361	15.840	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	34233	15.019	ug/l	93
82) 4-Chlorotoluene	12.77	91	309022	15.837	ug/l	98
83) tert-Butylbenzene	12.99	119	340333	16.071	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	358630	15.827	ug/l	100
85) sec-Butylbenzene	13.17	105	441210	15.676	ug/l	99
86) p-Isopropyltoluene	13.29	119	356941	15.583	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	170097	16.169	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	162037	15.607	ug/l	98
89) n-Butylbenzene	13.61	91	253912	14.301	ug/l	98
90) Hexachloroethane	13.87	117	59083	15.812	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	166881	15.872	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20534	14.454	ug/l	99

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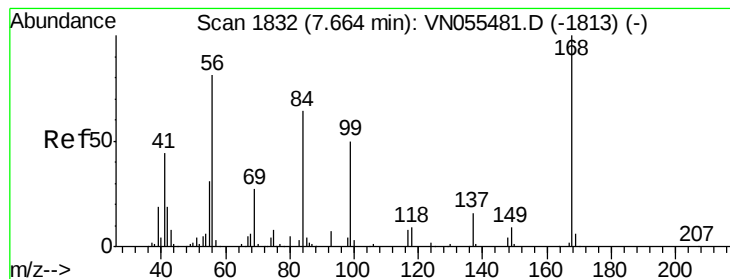
Manual Integrations
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5/11/2019 1:16:36 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45825	12.573	ug/l	99
94) Hexachlorobutadiene	15.01	225	59146	17.495	ug/l	98
95) Naphthalene	15.13	128	134348	12.754	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	53988	12.785	ug/l	98

(#) = 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: VN055540.D

Acq: 10 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS01

Tot Ion:168 Resp: 581484

Ion Ratio Lower Upper

168 100

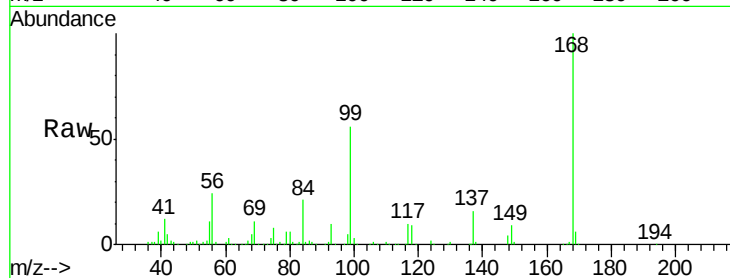
99 54.8 47.0 70.4

Manual Integrations

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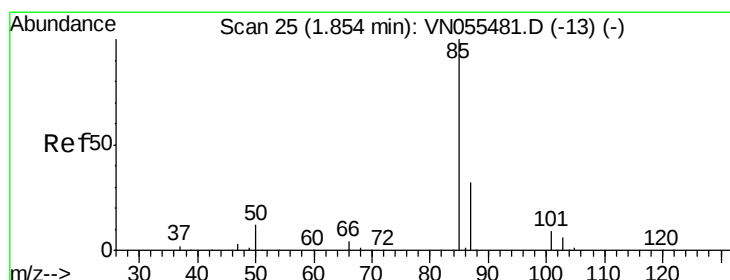
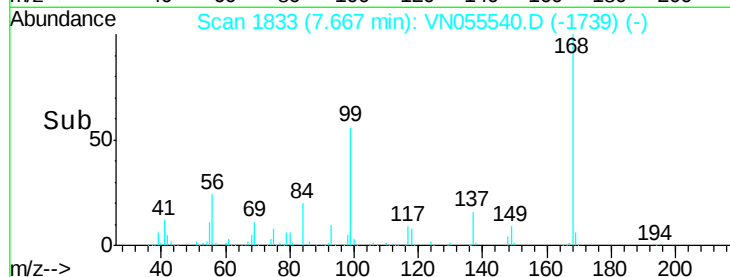
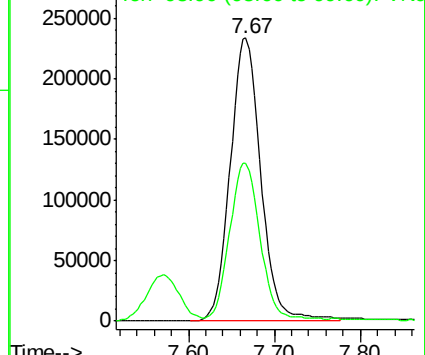
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 15.098 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055540.D

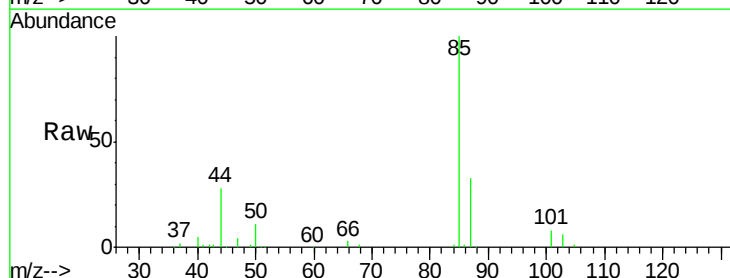
Acq: 10 May 2019 10:16

Tgt Ion: 85 Resp: 89382

Ion Ratio Lower Upper

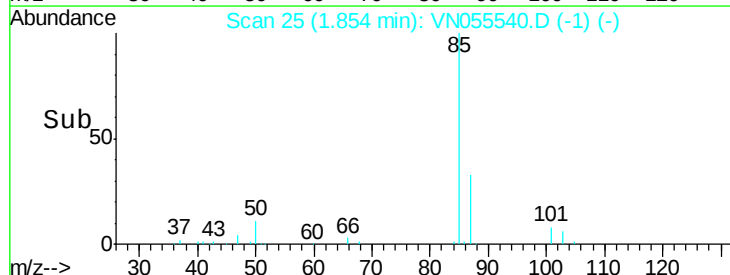
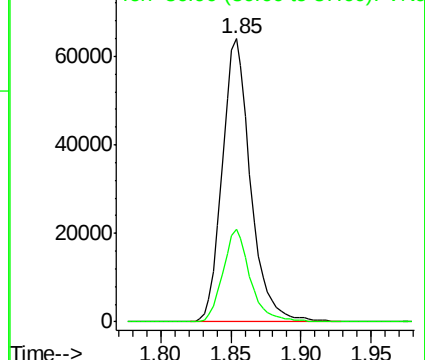
85 100

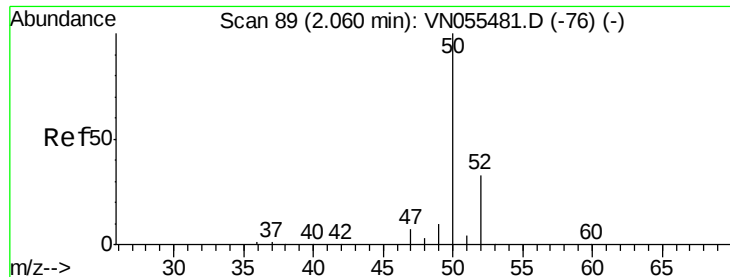
87 32.7 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 14.764 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0510WBS01

Tot Ion: 50 Resp: 142001

Ion Ratio Lower Upper

50 100

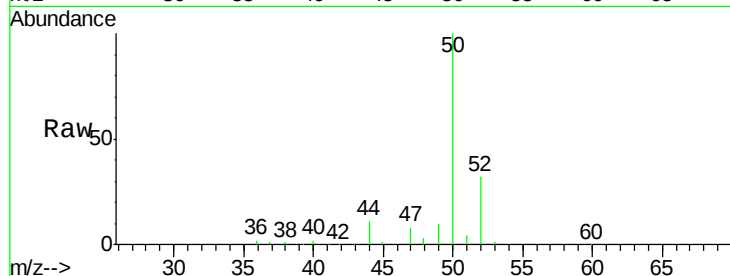
52 32.1 26.6 39.8

Manual Integrations

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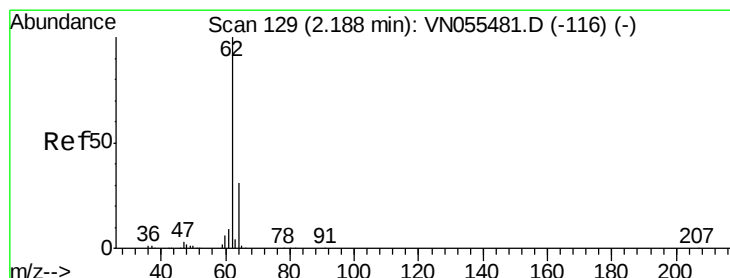
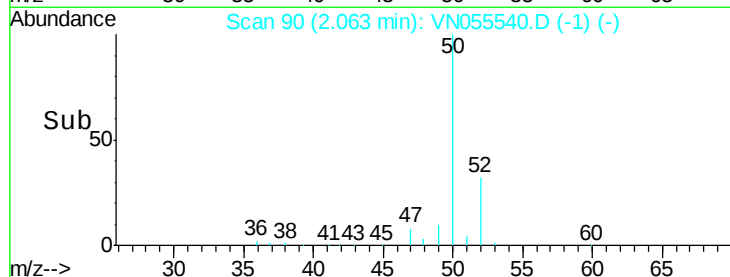
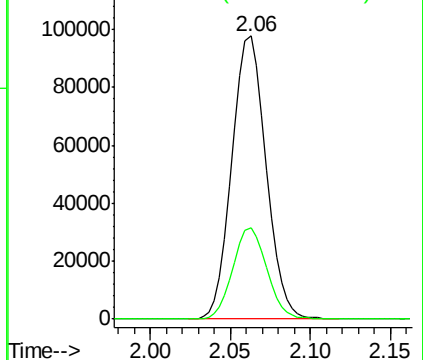
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 15.430 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055540.D

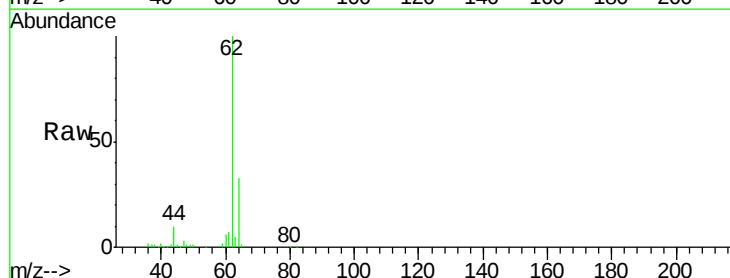
Acq: 10 May 2019 10:16

Tgt Ion: 62 Resp: 140091

Ion Ratio Lower Upper

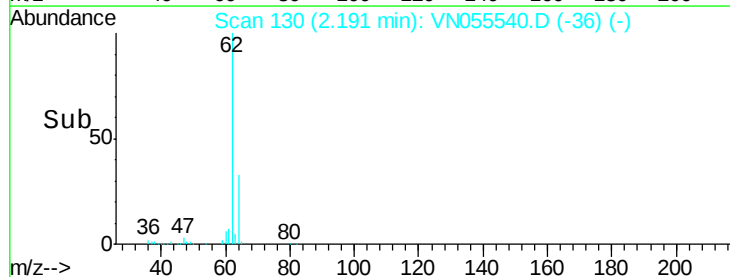
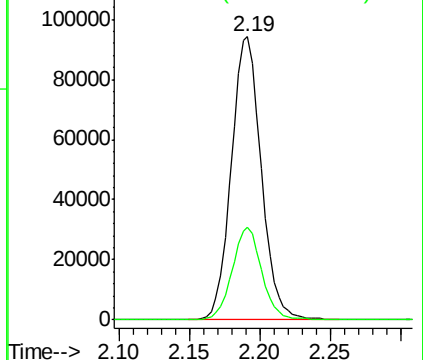
62 100

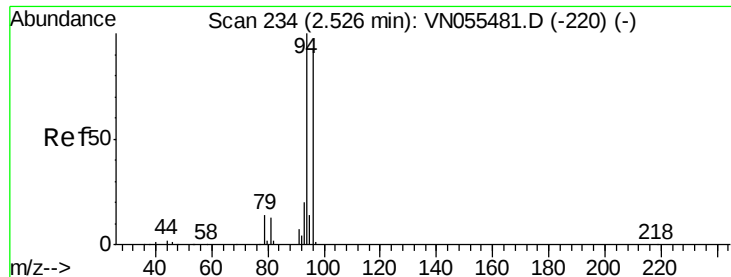
64 32.9 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 17.084 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0510WBS01

Tot Ion: 94 Resp: 84982

Ion Ratio Lower Upper

94 100

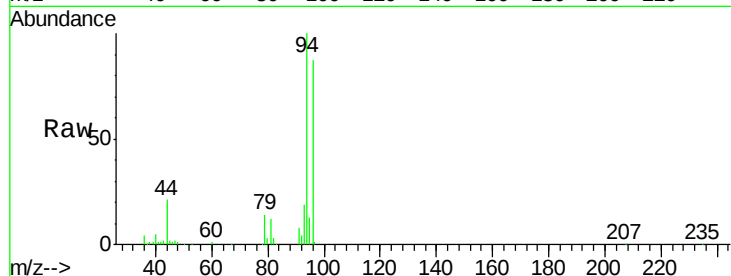
96 87.4 74.8 112.2

Manual Integrations

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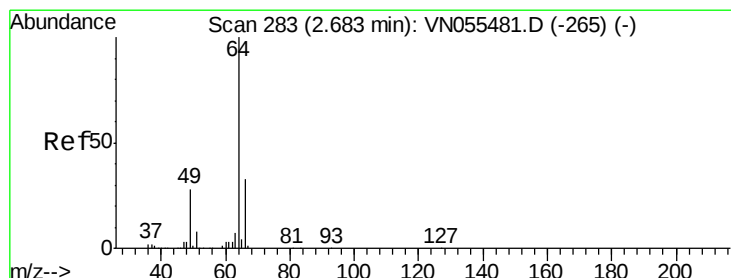
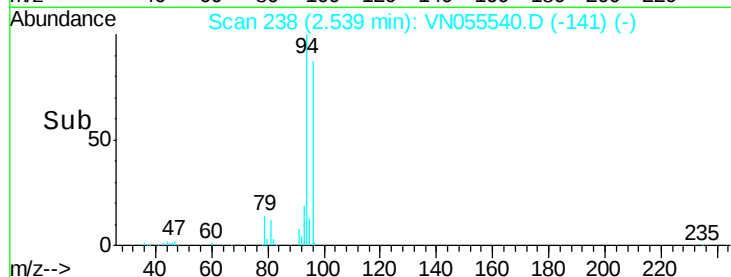
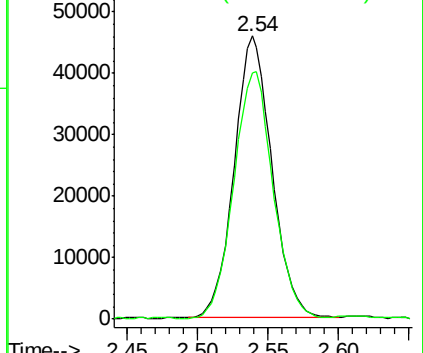
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.509 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN055540.D

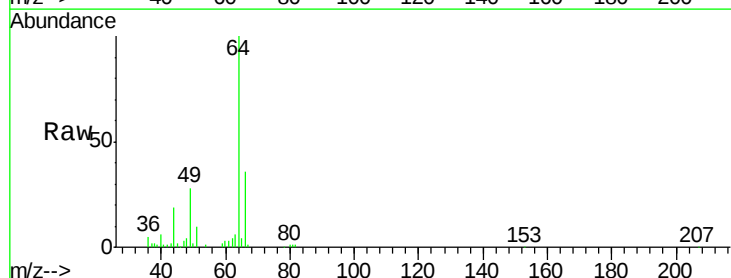
Acq: 10 May 2019 10:16

Tgt Ion: 64 Resp: 87303

Ion Ratio Lower Upper

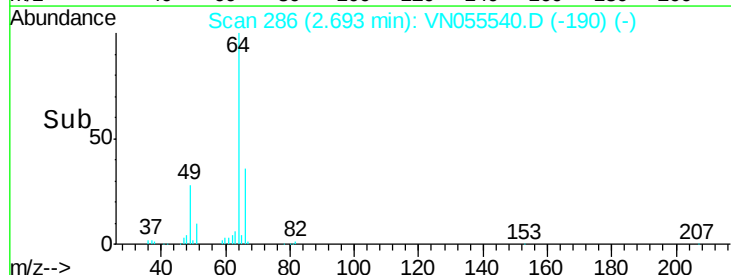
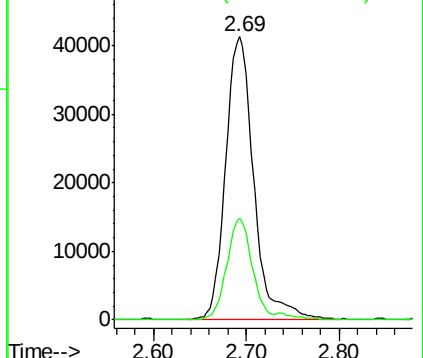
64 100

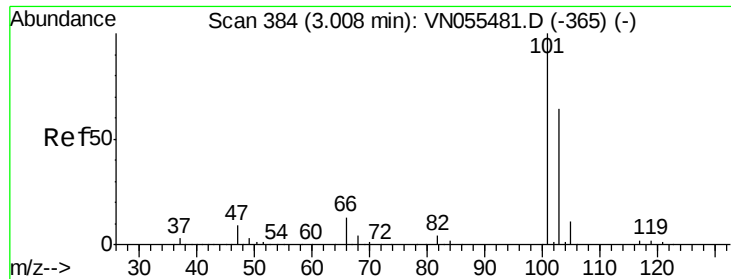
66 36.1 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

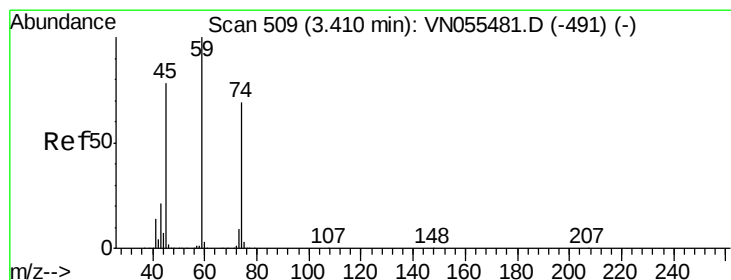
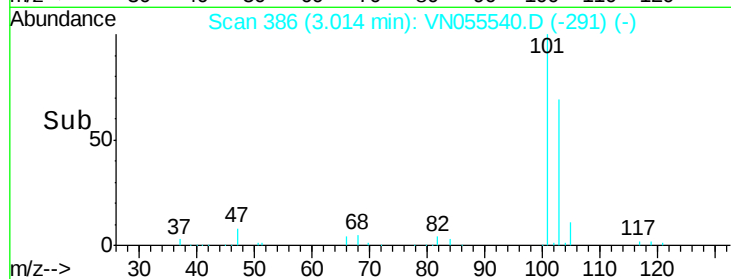
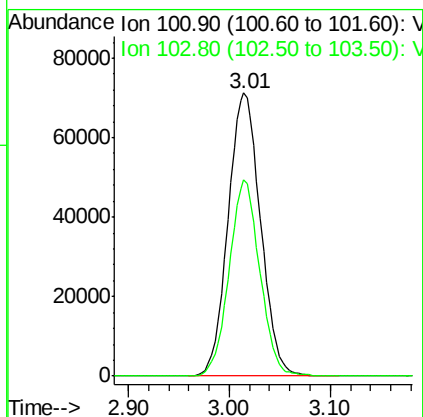
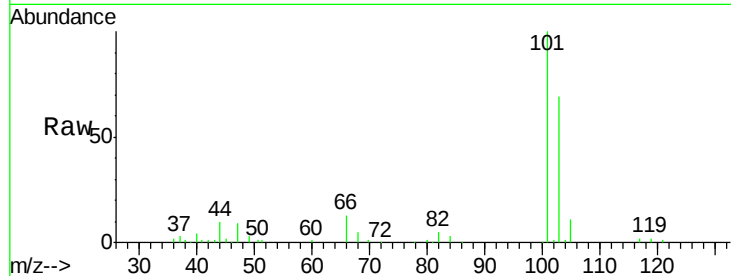
Trichlorofluoromethane
Concen: 15.989 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.01 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS01

Tot Ion:101 Resp: 159249
Ion Ratio Lower Upper
101 100
103 69.2 51.2 76.8

Manual Integrations
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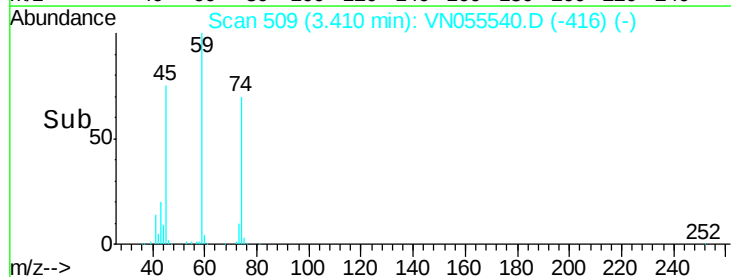
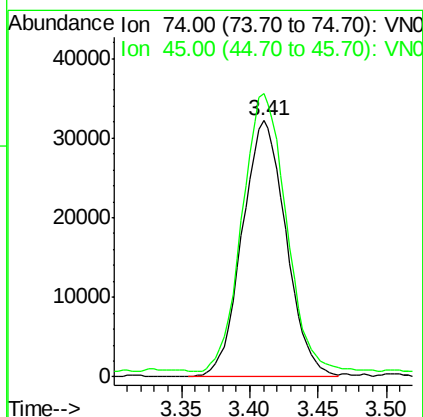
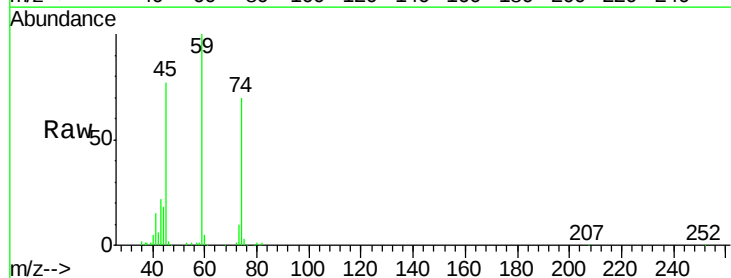
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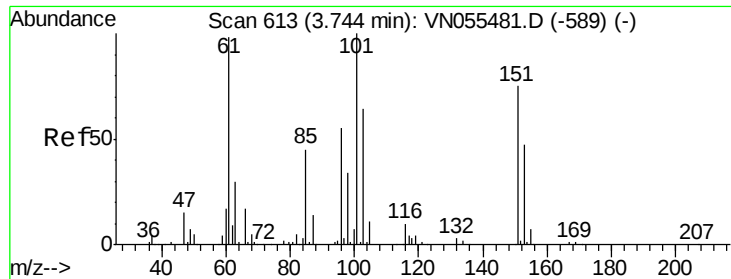


#8

Diethyl Ether
Concen: 16.023 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Tgt Ion: 74 Resp: 71674
Ion Ratio Lower Upper
74 100
45 109.2 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.175 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Instrument :

MSVOA_N

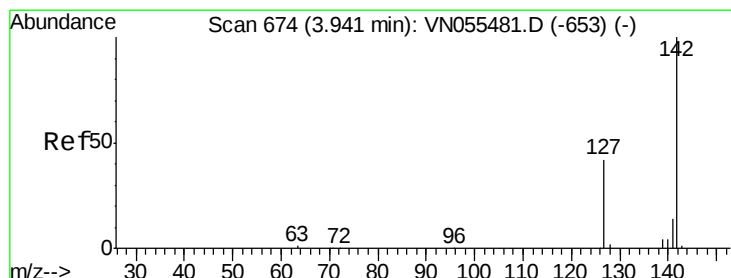
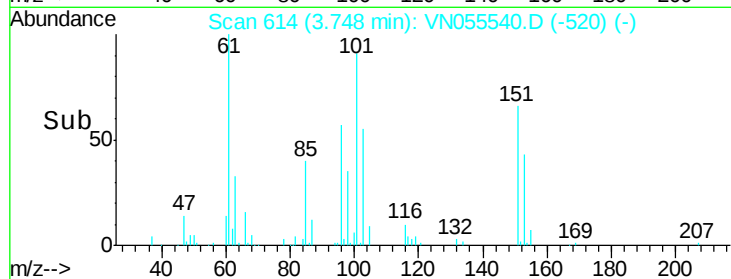
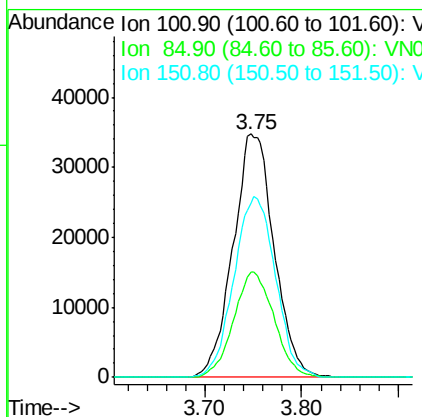
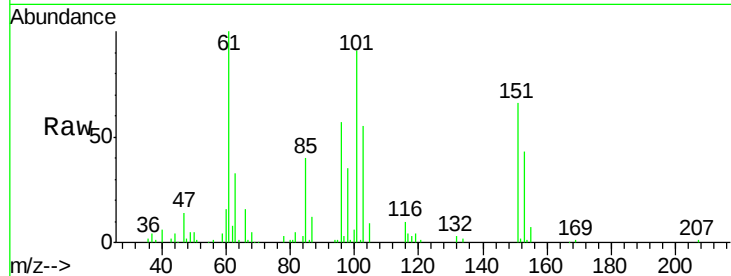
ClientSampleId :

VN0510WBS01

Tot Ion:	101	Resp:	102501
Ion Ratio	Lower	Upper	
101	100		
85	42.6	35.5	53.3
151	75.2	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 13.773 ug/l

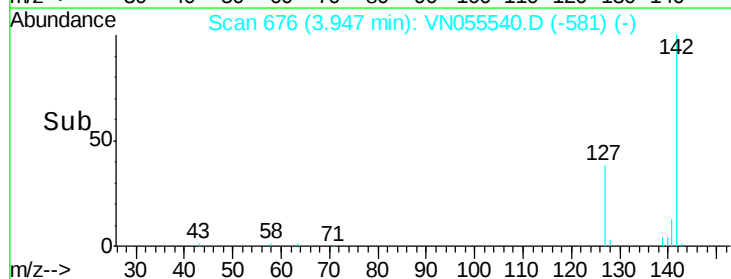
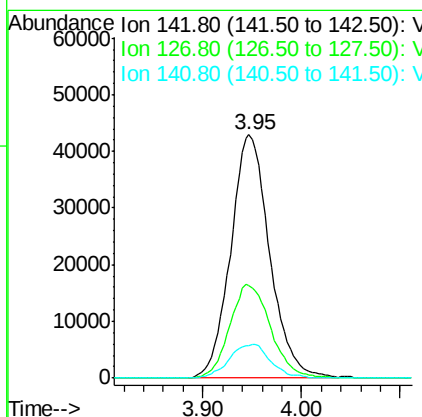
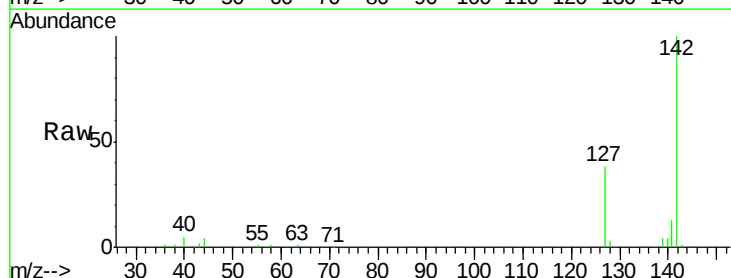
RT: 3.95 min Scan# 676

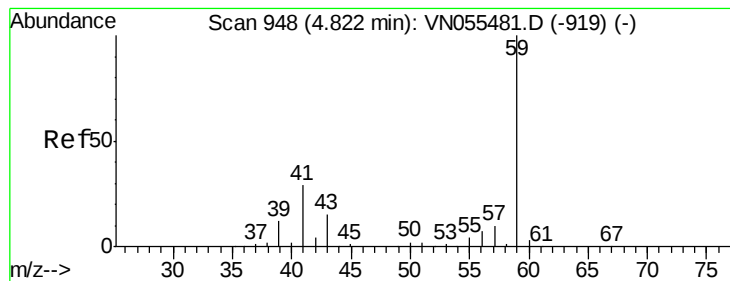
Delta R.T. 0.01 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Tgt Ion:	142	Resp:	117965
Ion Ratio	Lower	Upper	
142	100		
127	40.5	33.0	49.4
141	14.8	11.4	17.0





#11

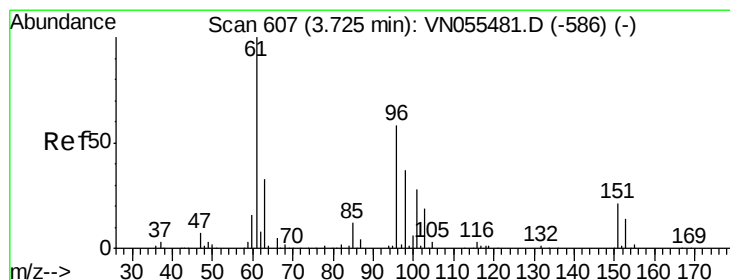
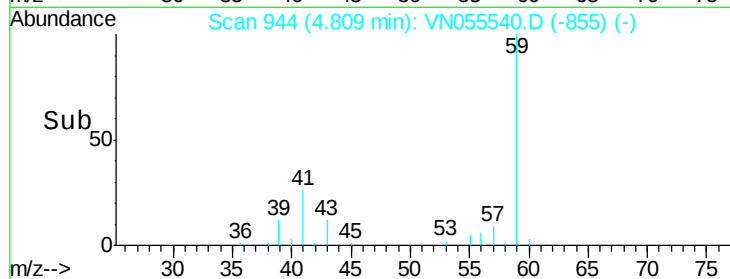
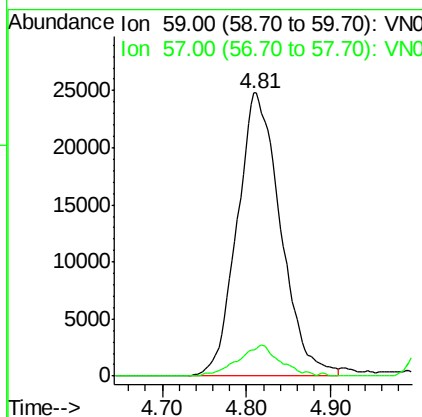
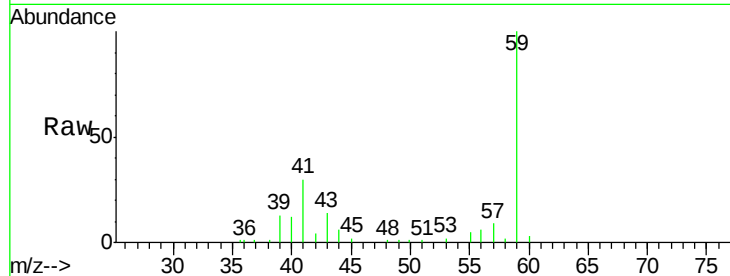
Tert butyl alcohol
Concen: 68.805 ug/l
RT: 4.81 min Scan# 944
Delta R.T. -0.01 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.0	12.0

Manual Integrations
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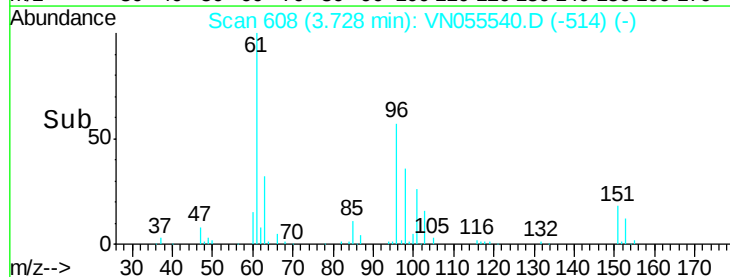
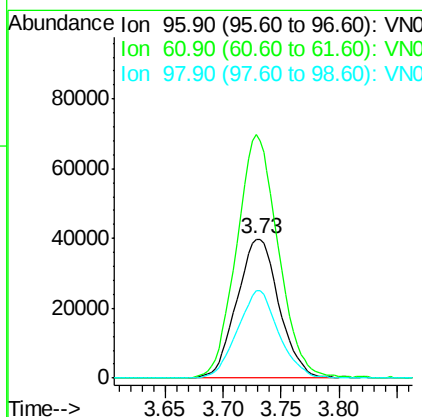
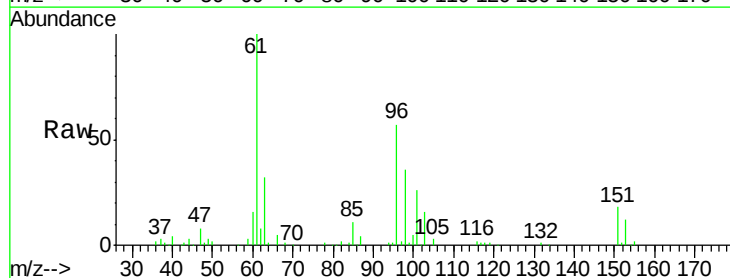
MMDadoda
5/11/2019 1:16:36 PM

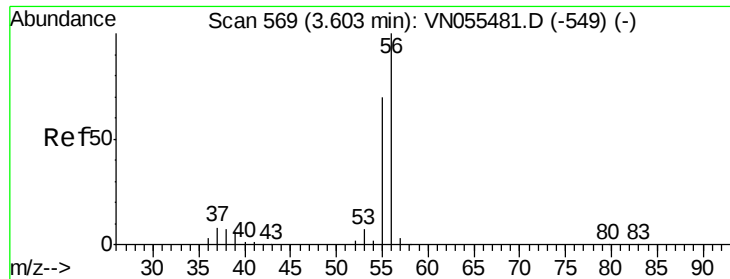


#12

1,1-Dichloroethene
Concen: 15.879 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.0	138.7	208.1
98	63.2	50.6	76.0





#13

Acrolein

Concen: 78.851 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS01

Tot Ion: 56 Resp: 67934

Ion Ratio Lower Upper

56 100

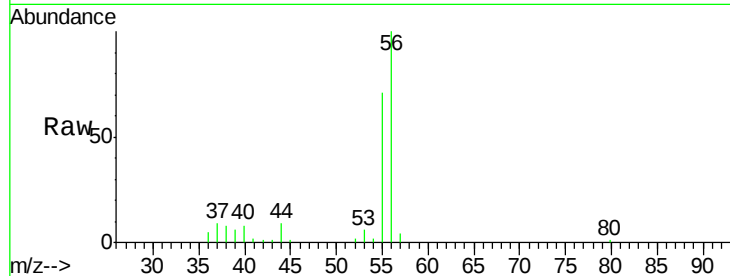
55 73.4 57.7 86.5

Manual Integrations

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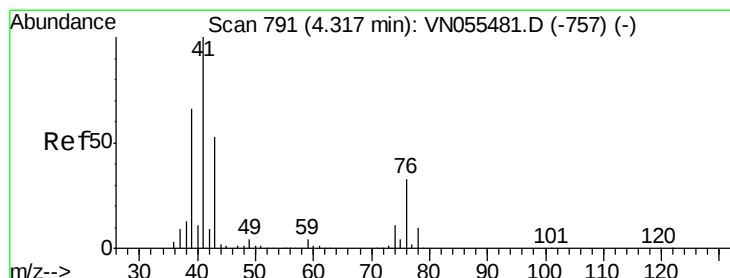
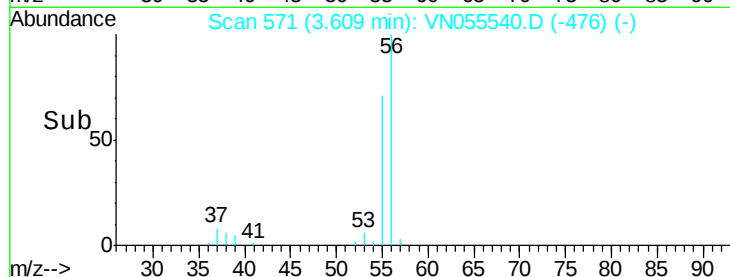
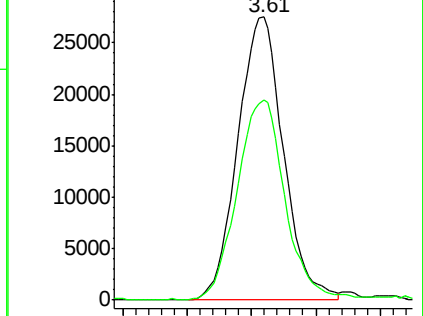
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 15.208 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

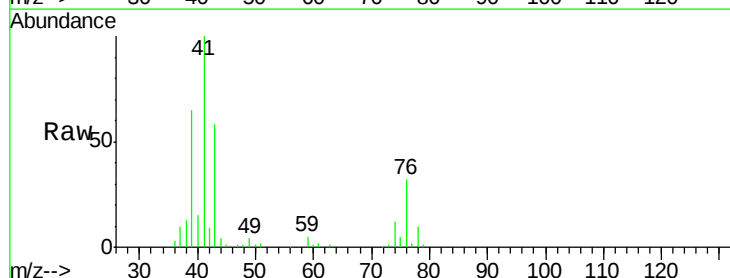
Tgt Ion: 41 Resp: 197988

Ion Ratio Lower Upper

41 100

39 62.2 49.8 74.8

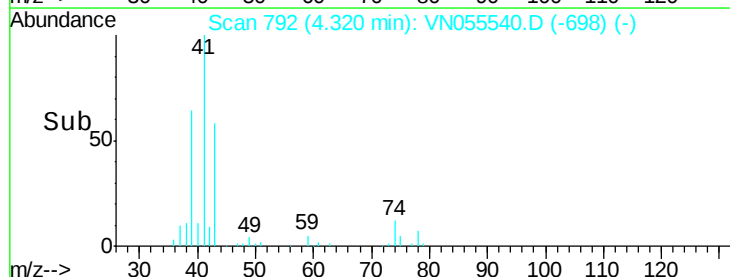
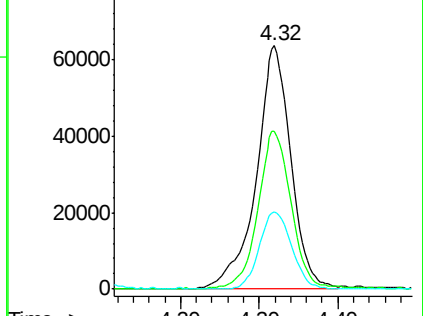
76 29.7 23.5 35.3

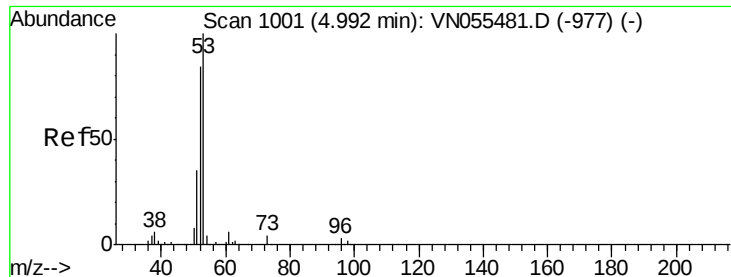


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





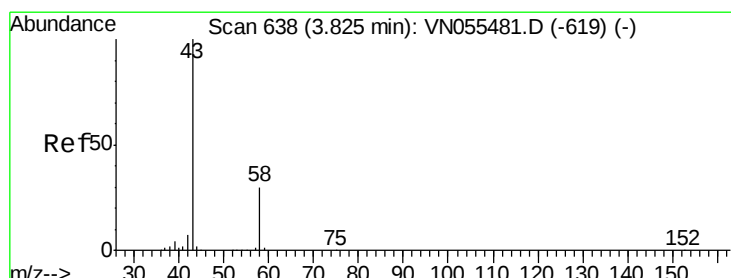
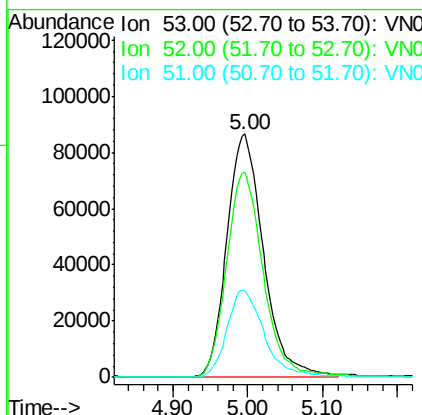
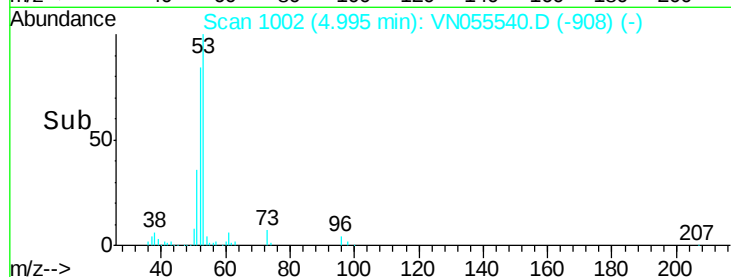
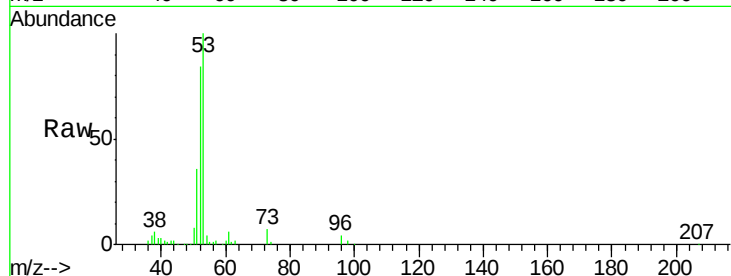
#15
 Acrylonitrile
 Concen: 73.778 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.1	99.1
51	36.5	28.3	42.5

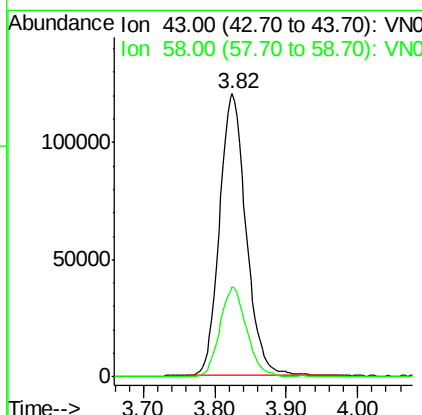
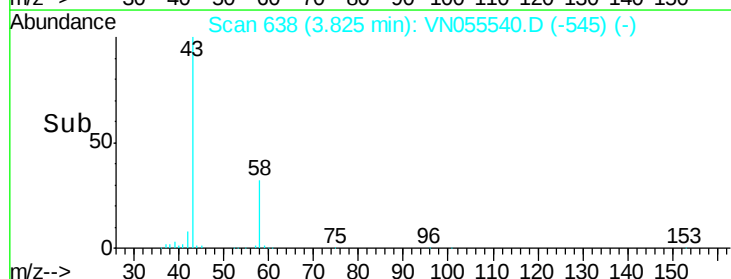
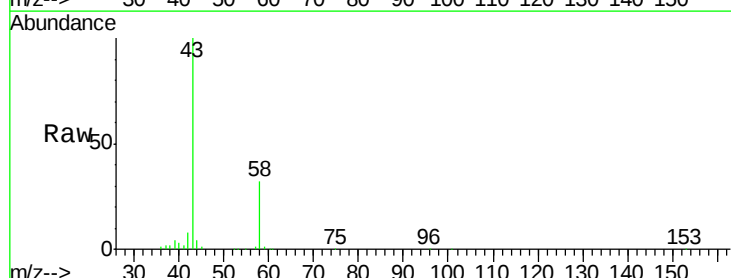
Manual Integrations
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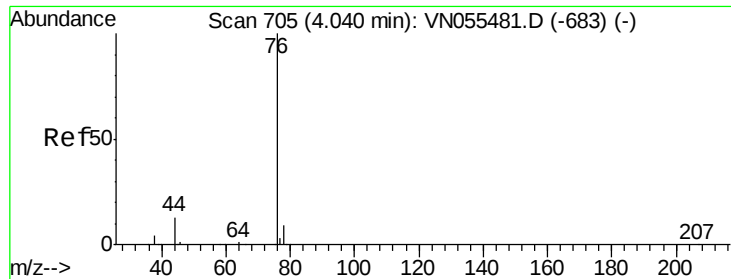
MMDadoda
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#16
 Acetone
 Concen: 76.858 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.2	36.2





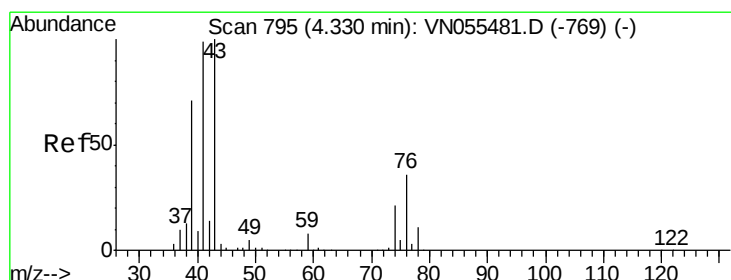
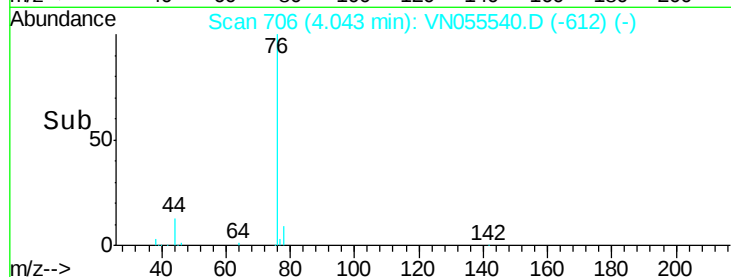
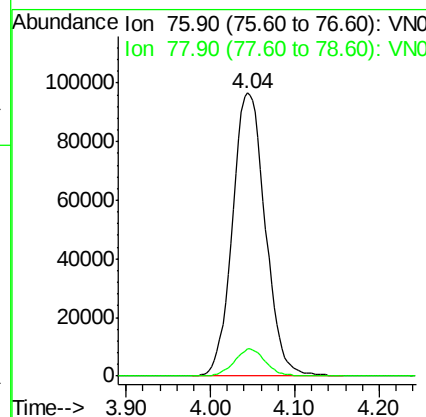
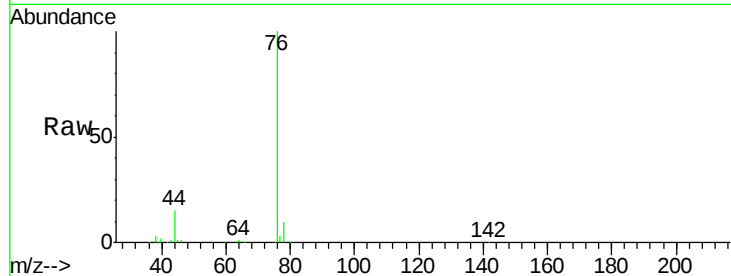
#17
Carbon Disulfide
Concen: 15.067 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

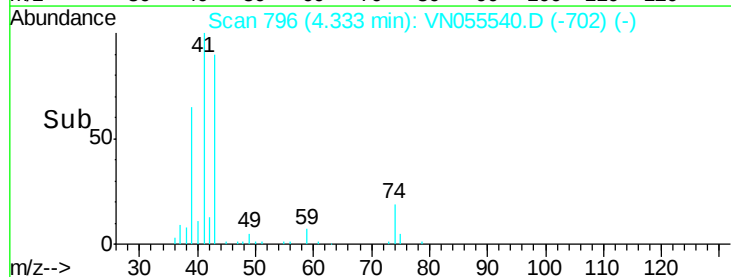
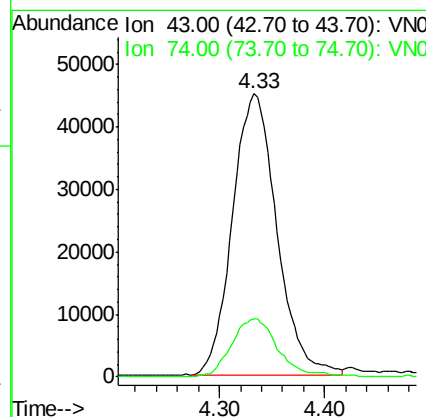
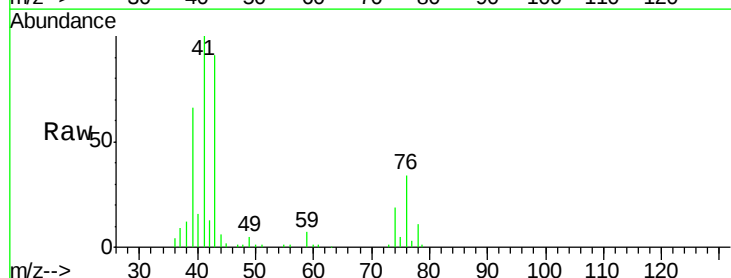
Manual Integrations
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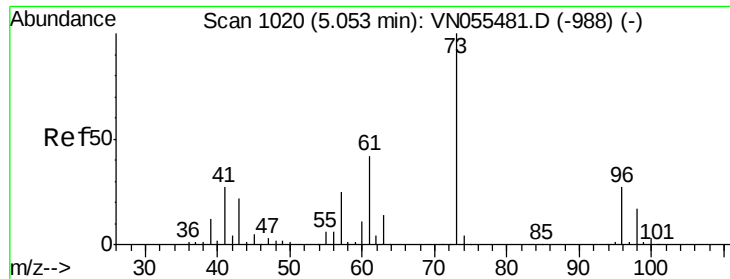
MMDadoda
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#18
Methyl Acetate
Concen: 14.679 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	16.3	24.5





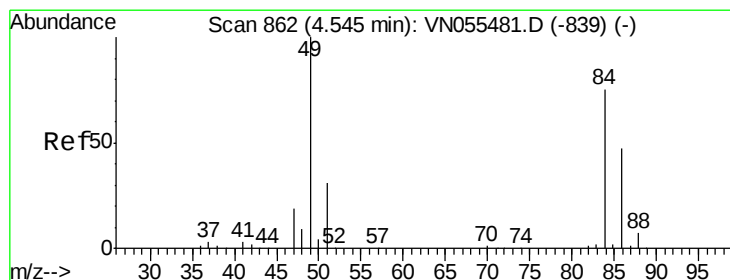
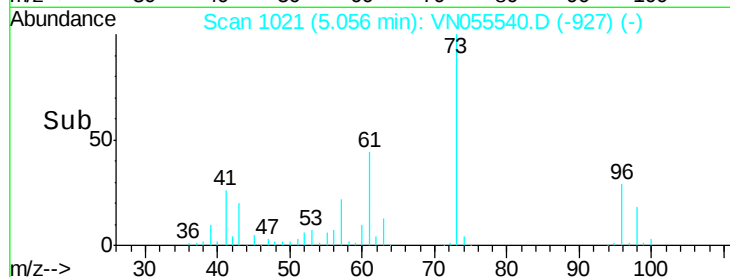
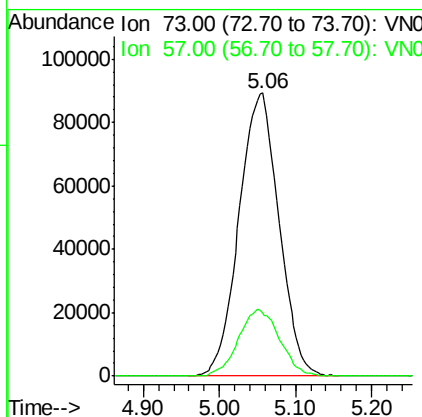
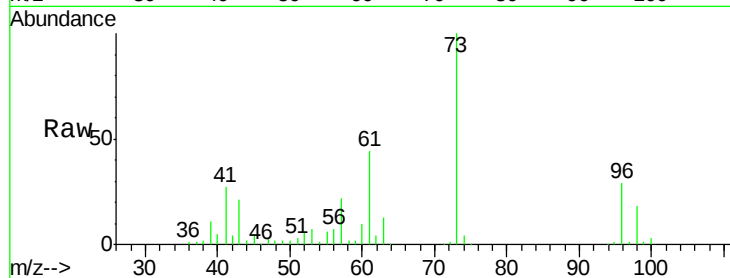
#19
Methvl tert-butvl Ether
Concen: 15.441 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS01

Tot Ion: 73 Resp: 326079
Ion Ratio Lower Upper
73 100
57 22.4 20.0 30.0

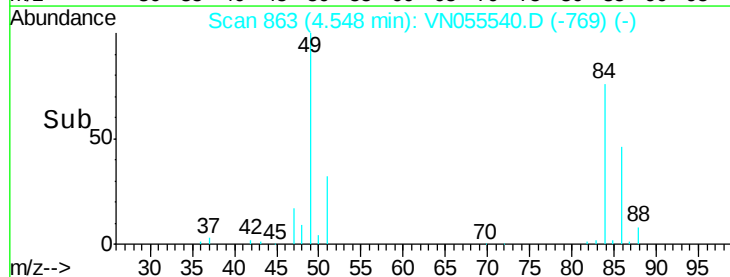
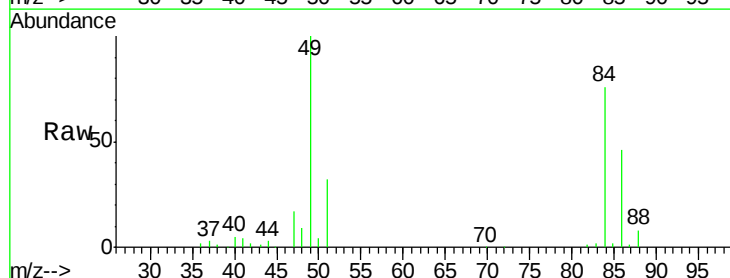
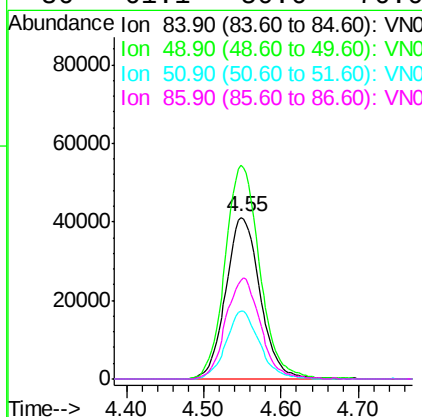
Manual Integrations
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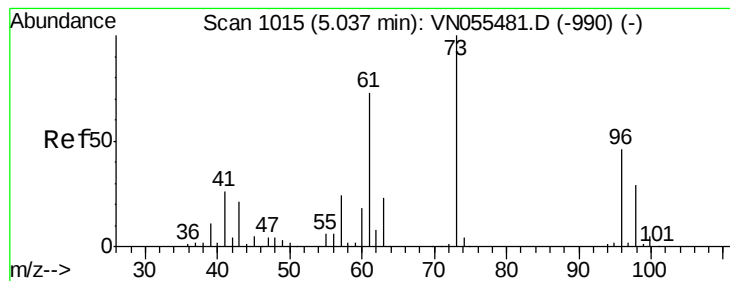
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#20
Methylene Chloride
Concen: 15.305 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Tgt Ion: 84 Resp: 126876
Ion Ratio Lower Upper
84 100
49 132.3 107.0 160.6
51 41.9 33.0 49.4
86 61.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 15.970 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS01

Tot Ion: 96 Resp: 110042

Ion Ratio Lower Upper

96 100

61 151.4 127.4 191.0

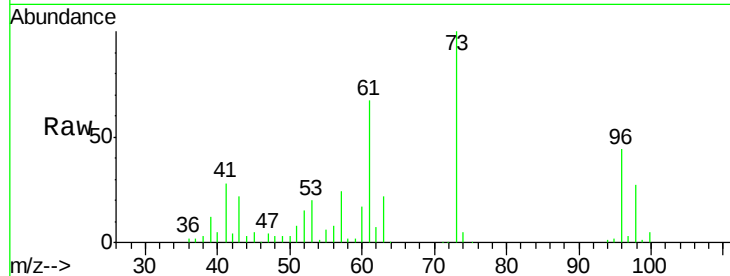
98 60.1 51.6 77.4

Manual Integrations

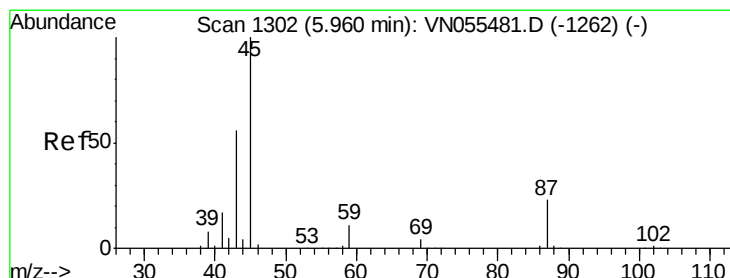
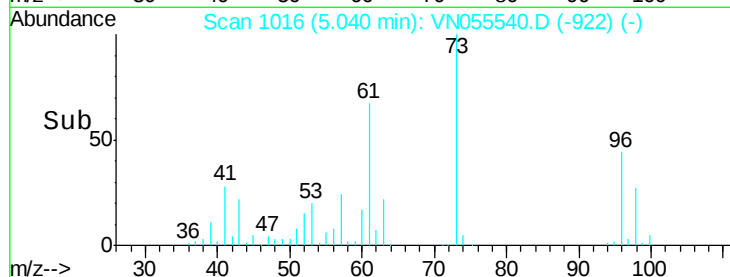
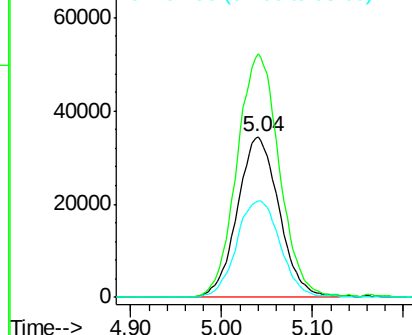
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 15.191 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Tgt Ion: 45 Resp: 401876

Ion Ratio Lower Upper

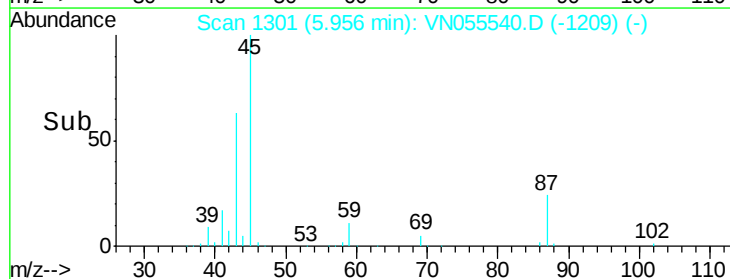
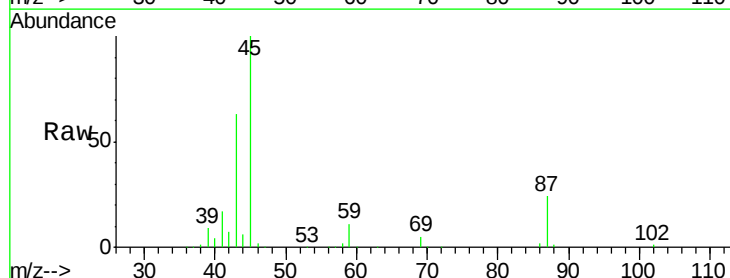
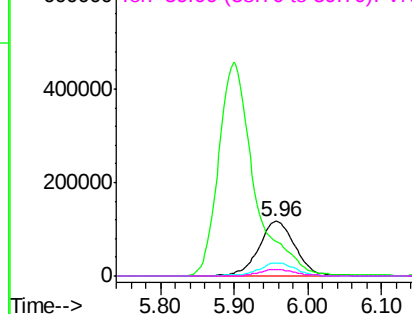
45 100

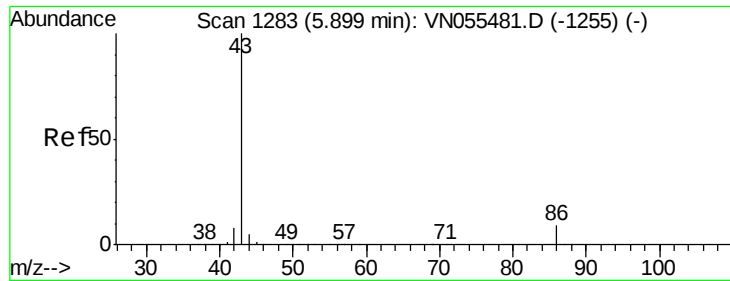
43 61.2 44.6 66.8

87 23.9 18.6 28.0

59 11.1 8.6 12.8

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





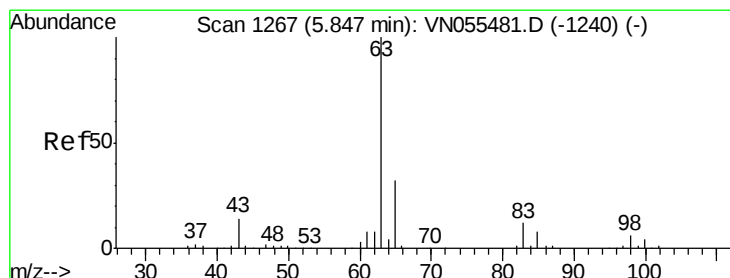
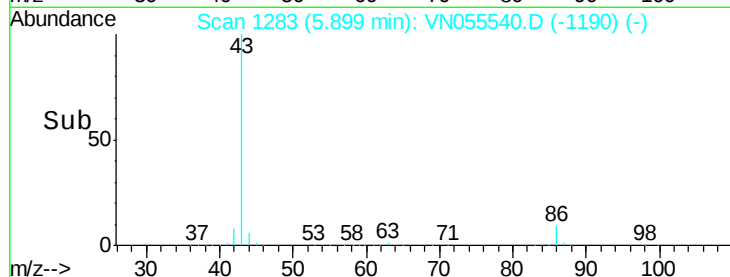
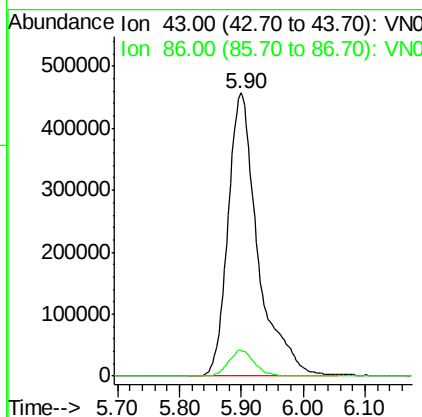
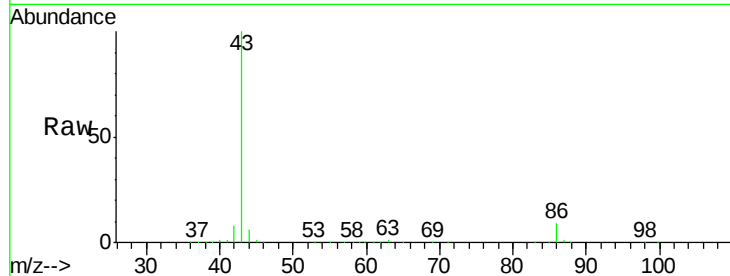
#23
 Vinyl Acetate
 Concen: 75.035 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0510WBS01

Tot Ion: 43 Resp: 1535169
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.1 10.7

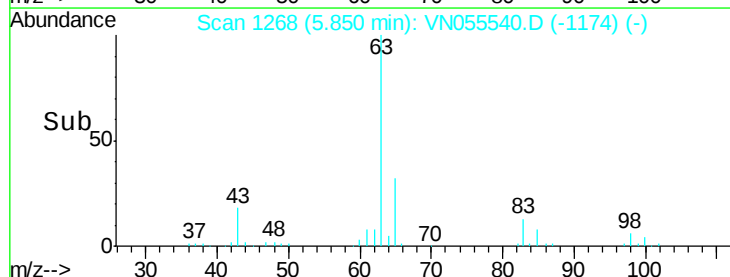
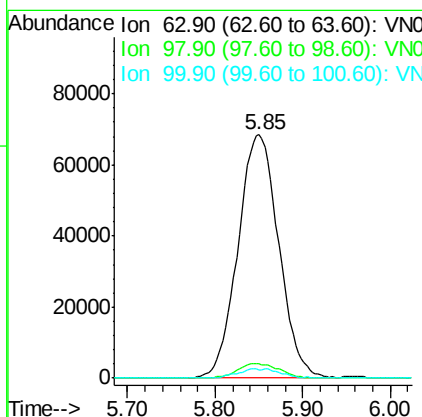
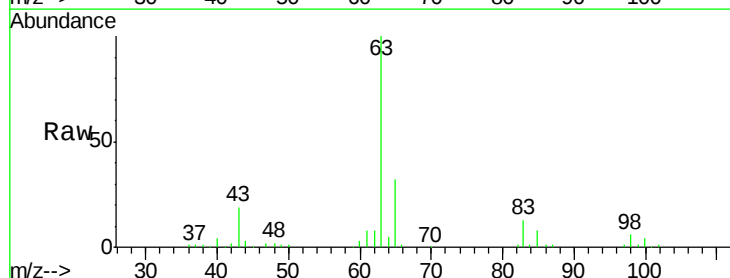
Manual Integrations
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MMDadoda
 5/11/2019 1:16:36 PM



#24
 1,1-Dichloroethane
 Concen: 15.500 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Tgt Ion: 63 Resp: 221356
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.0 9.0
 100 3.6 1.9 5.7





#25

2-Butanone

Concen: 71.733 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS01

Tot Ion: 43 Resp: 401703

Ion Ratio Lower Upper

43 100

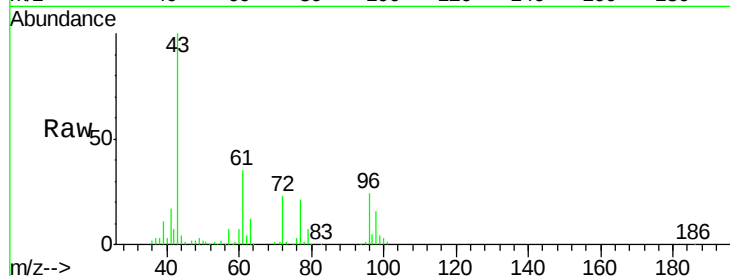
72 23.0 18.6 27.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

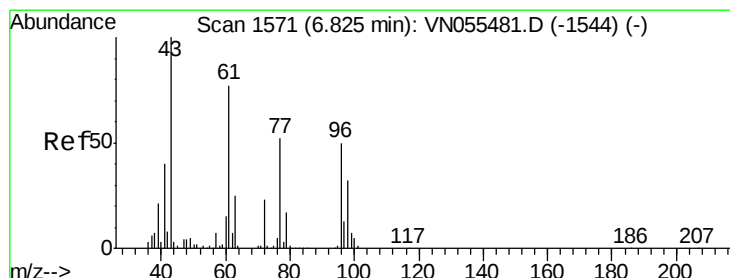
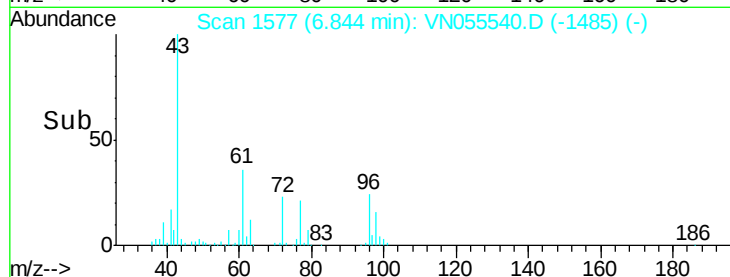
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 16.219 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055540.D

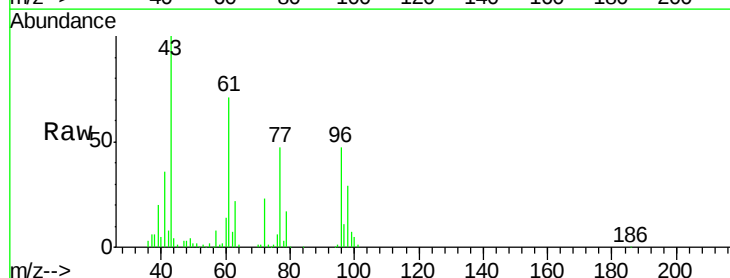
Acq: 10 May 2019 10:16

Tgt Ion: 77 Resp: 144391

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

50000

40000

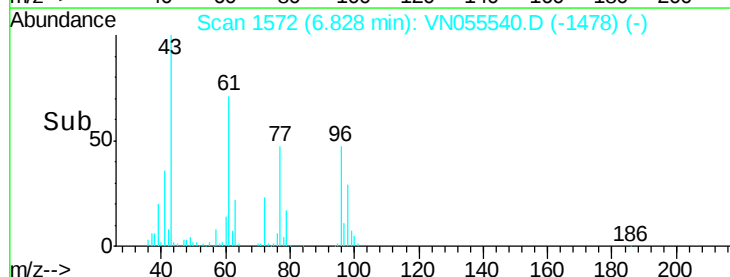
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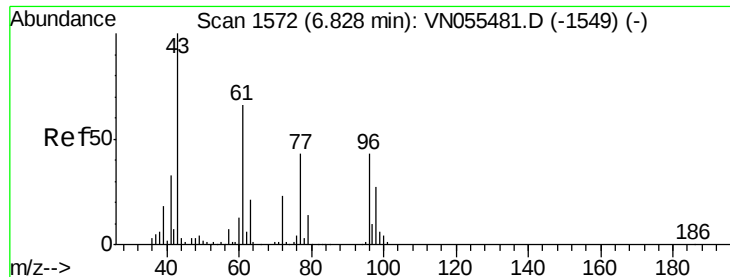
20000

10000

0

Time-->





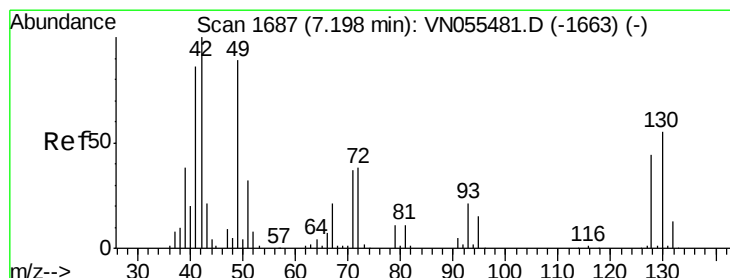
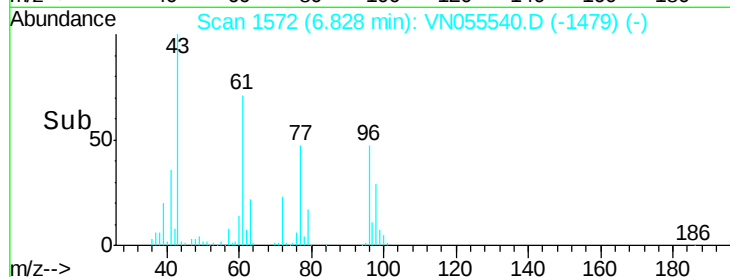
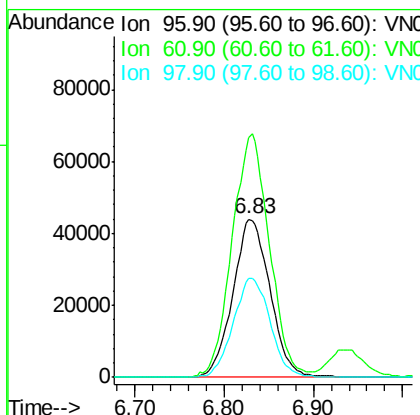
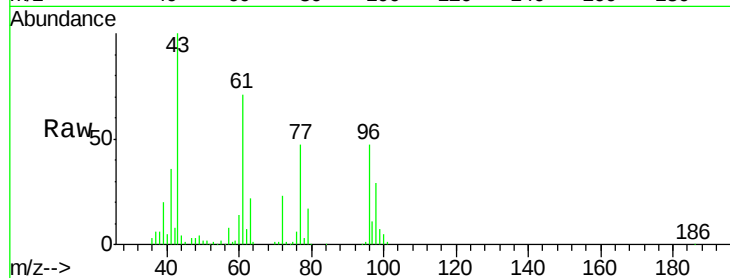
#27
 cis-1,2-Dichloroethene
 Concen: 16.003 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	127435		
61	153.5	0.0	310.8	
98	62.2	0.0	129.4	

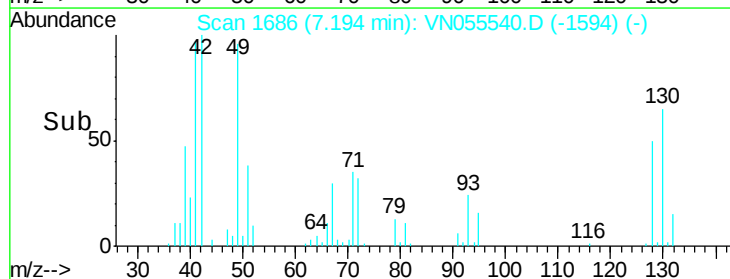
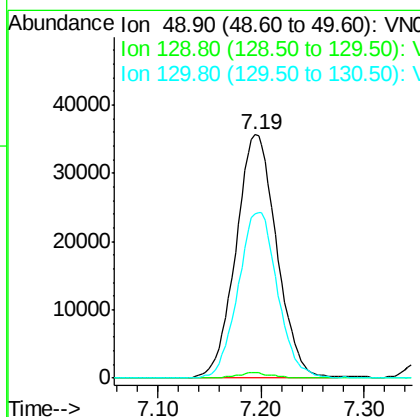
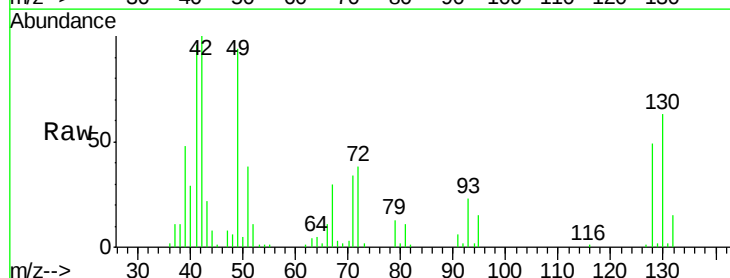
Manual Integrations
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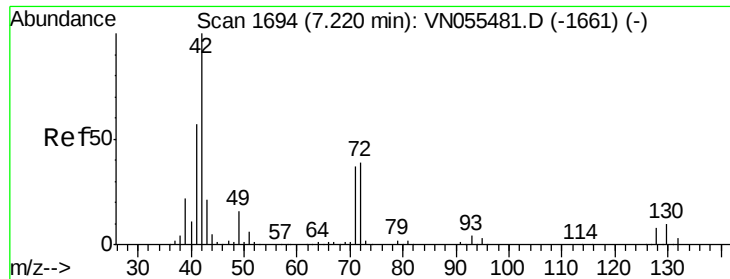
MMDadoda
 5/11/2019 1:16:36 PM



#28
 Bromochloromethane
 Concen: 13.211 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	97979		
129	1.7	0.0	3.2	
130	65.8	49.5	74.3	





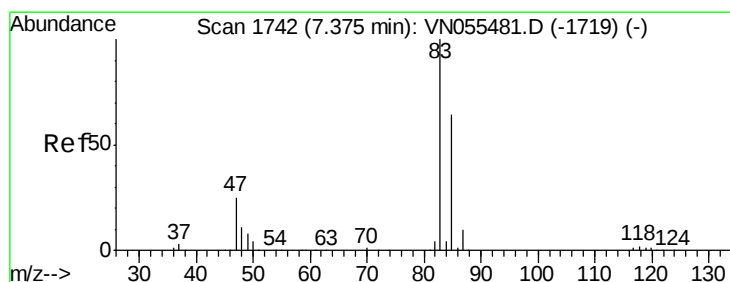
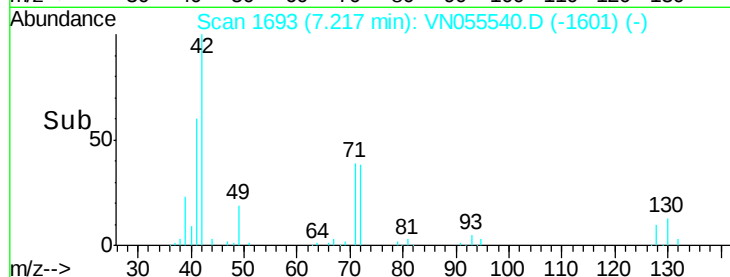
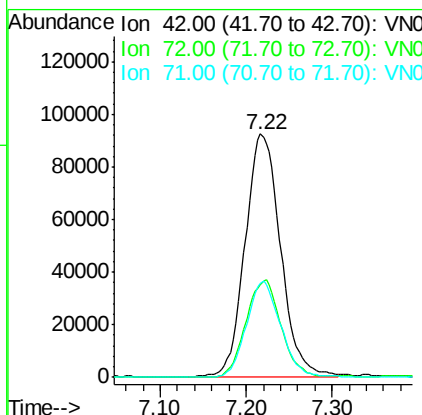
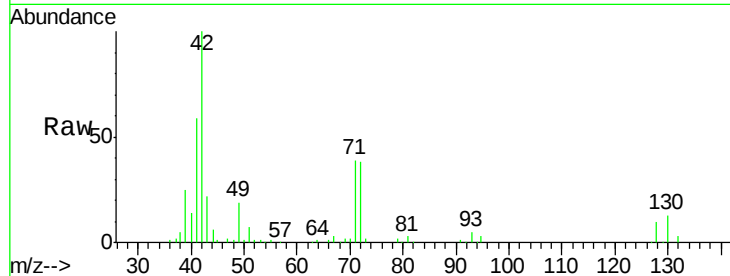
#29
Tetrahydrofuran
Concen: 71.400 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	31.0	46.6
71	38.3	29.4	44.2

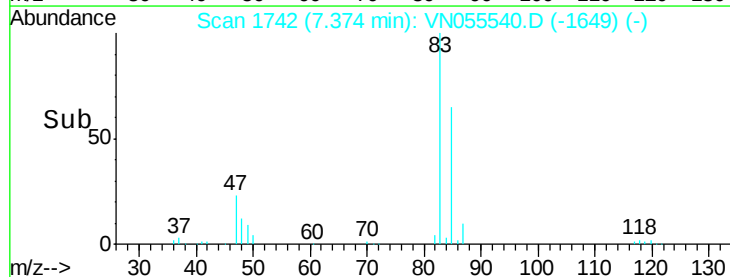
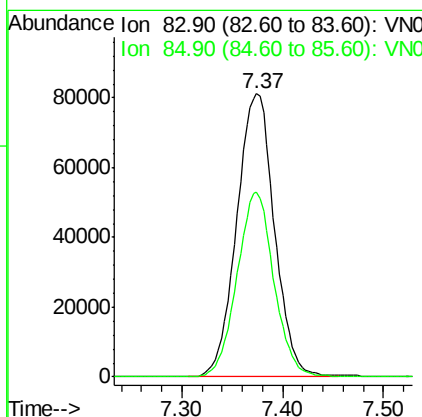
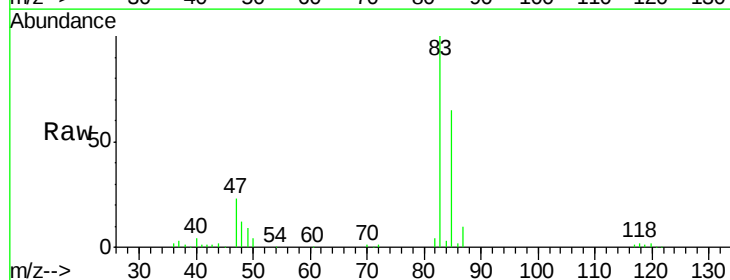
Manual Integrations
APPROVED

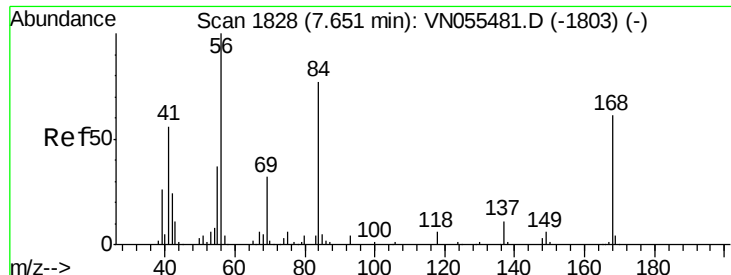
MMDadoda
5/11/2019 1:16:36 PM



#30
Chloroform
Concen: 15.933 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.3	76.9





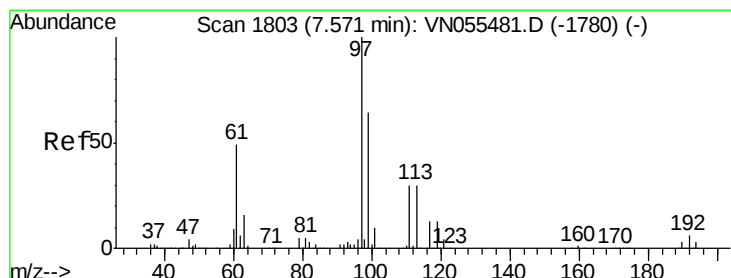
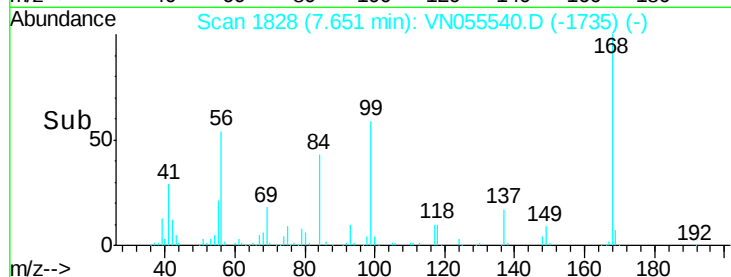
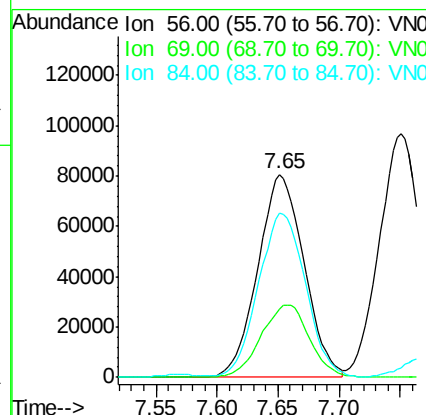
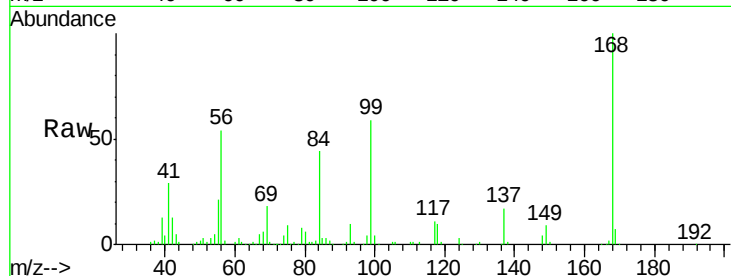
#31
Cyclohexane
Concen: 15.011 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.7	26.0	39.0
84	79.6	61.9	92.9

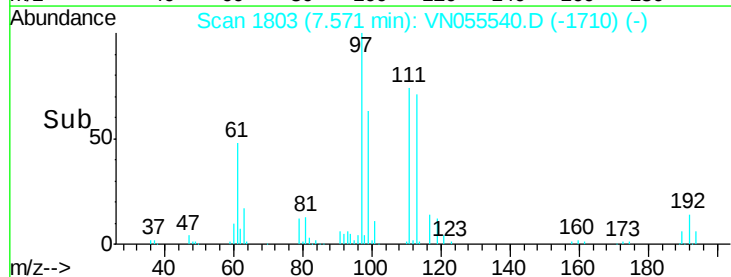
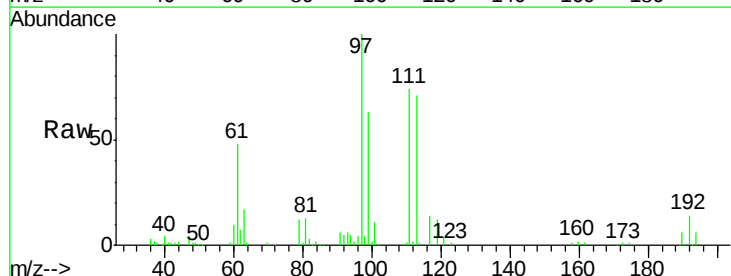
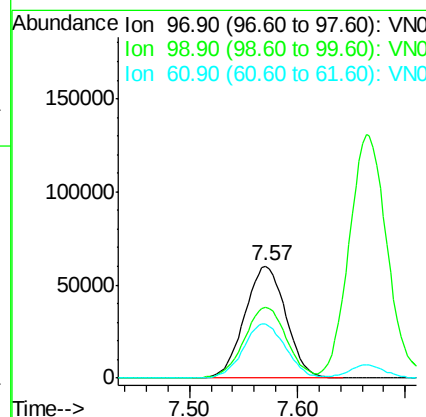
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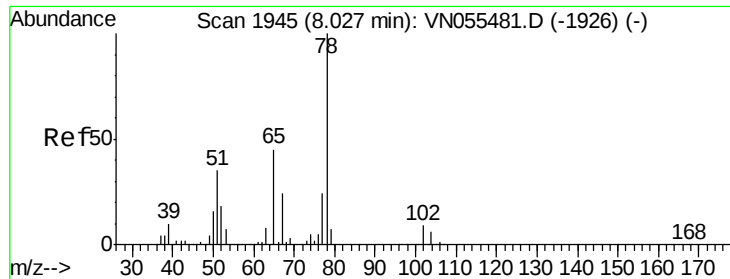
MMDadoda
5/11/2019 1:16:36 PM



#32
1,1,1-Trichloroethane
Concen: 15.895 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.2	76.8
61	49.7	39.2	58.8





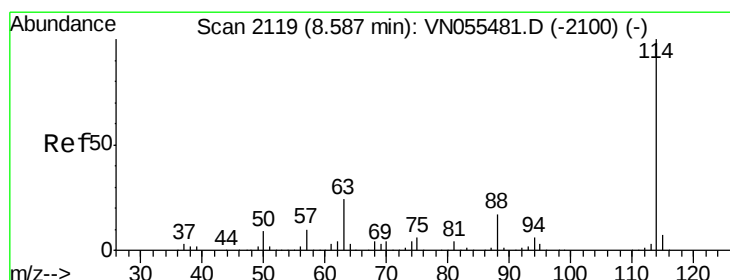
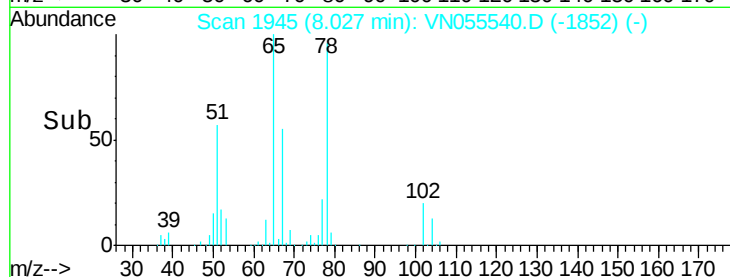
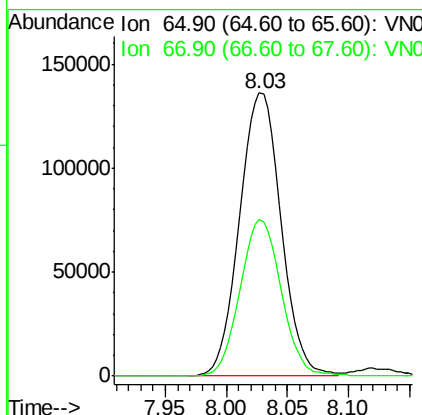
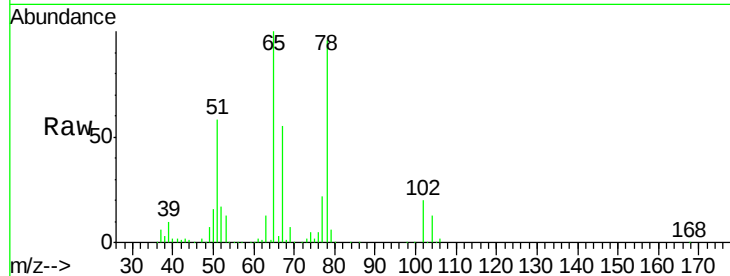
#33
 1,2-Dichloroethane-d4
 Concen: 36.659 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.9	0.0	109.6	

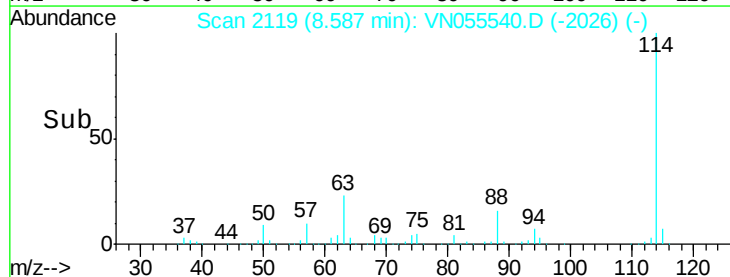
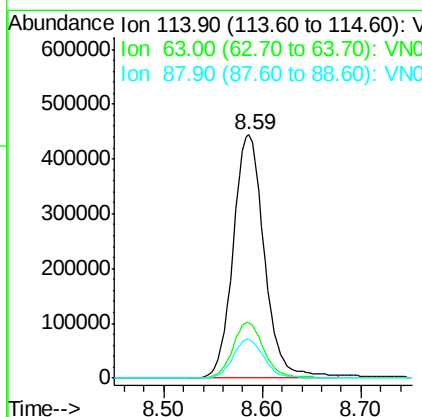
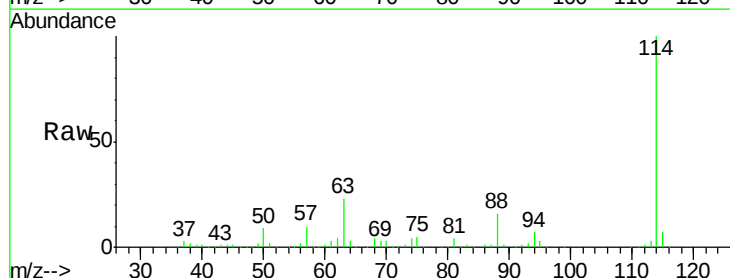
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.9	0.0	47.4	
88	16.0	0.0	34.0	





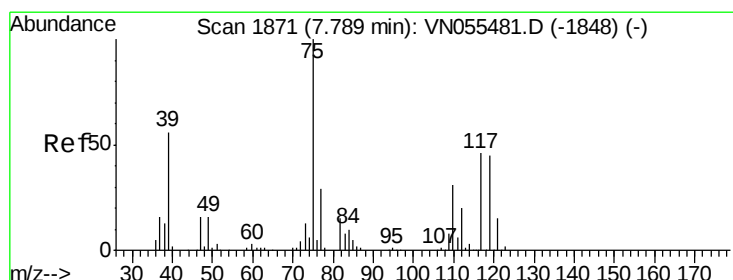
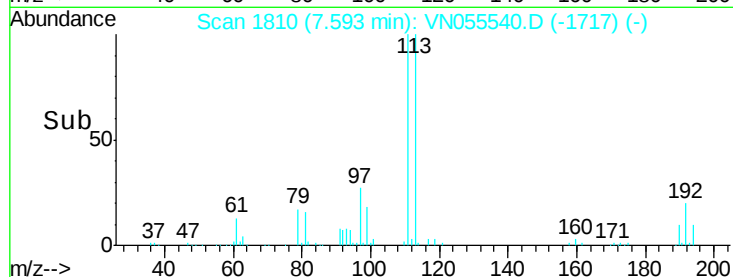
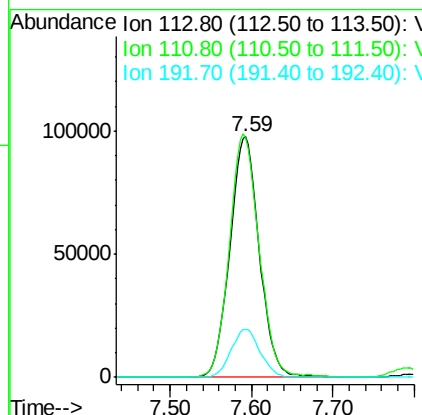
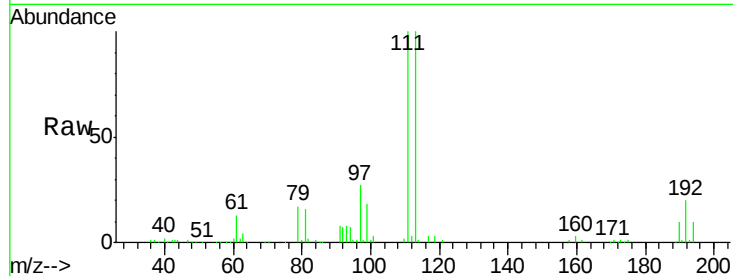
#35
Dibromofluoromethane
Concen: 39.192 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	246892		
111	101.5	82.9	124.3	
192	19.8	15.6	23.4	

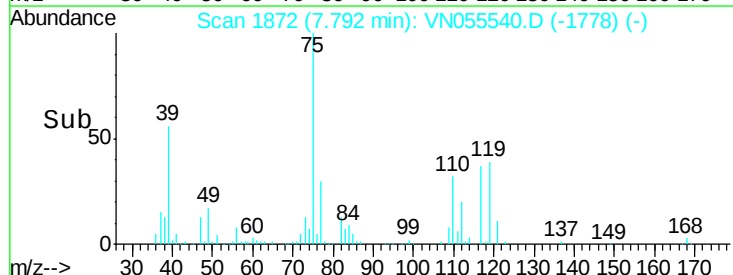
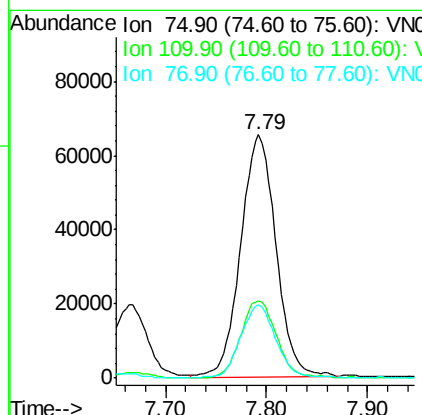
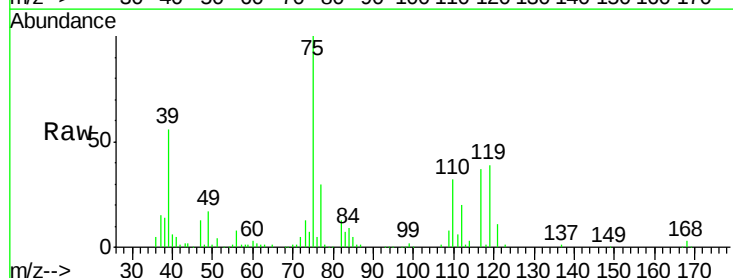
Manual Integrations
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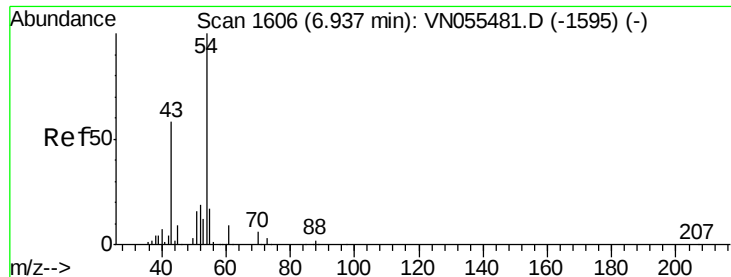
MMDadoda
5/11/2019 1:16:36 PM



#36
1,1-Dichloropropene
Concen: 16.396 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	157741		
110	32.5	16.1	48.3	
77	30.7	24.6	37.0	





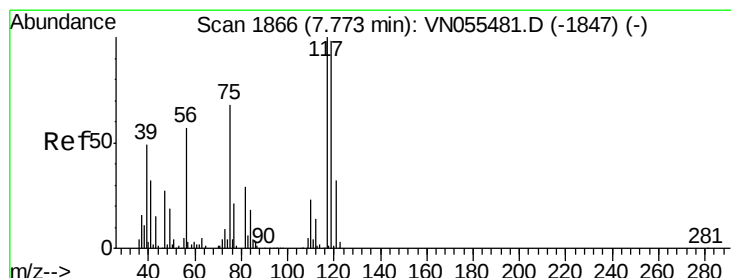
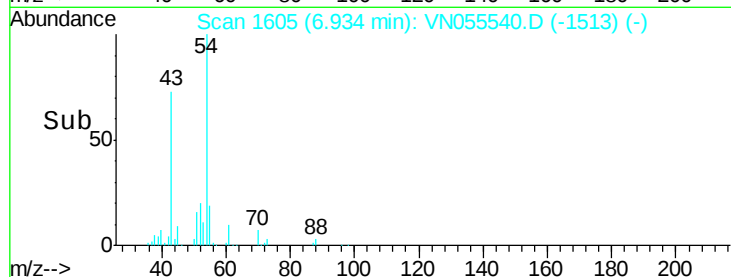
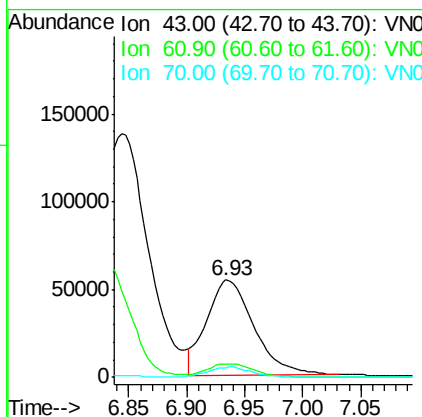
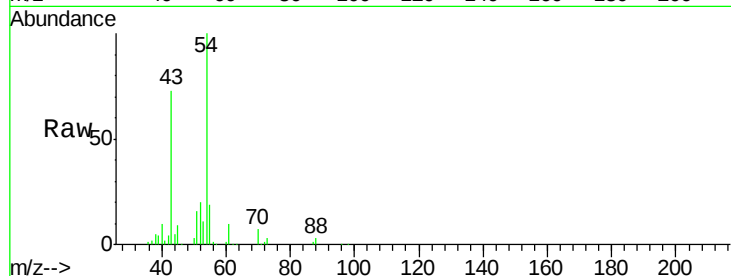
#37
Ethyl Acetate
Concen: 14.730 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	154583		
61	13.6	10.9	16.3	
70	10.2	7.0	10.6	

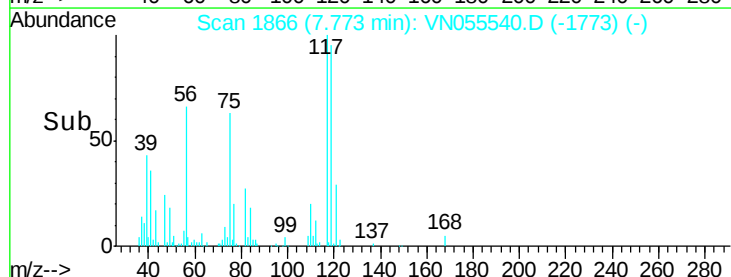
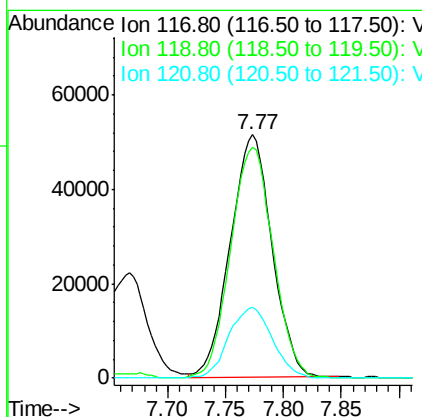
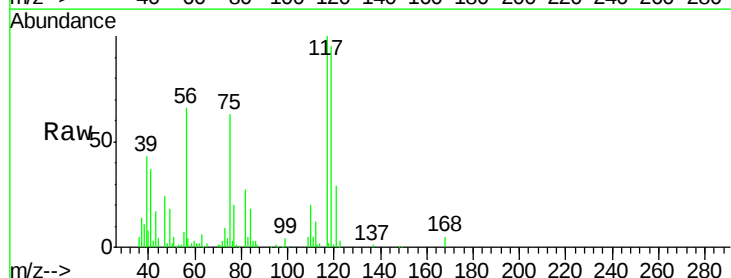
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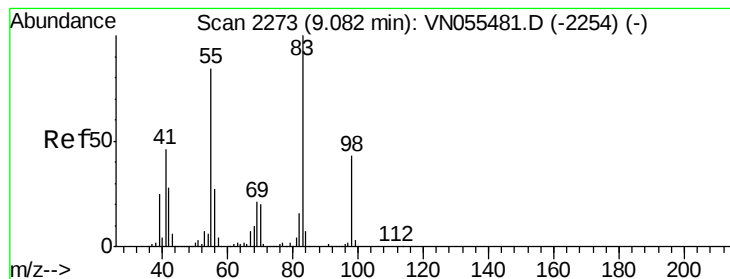
MMDadoda
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#38
Carbon Tetrachloride
Concen: 15.827 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	128214		
119	95.0	77.8	116.6	
121	29.2	25.2	37.8	





#39

Methvlcvclohexane

Concen: 15.559 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Instrument :

MSVOA_N

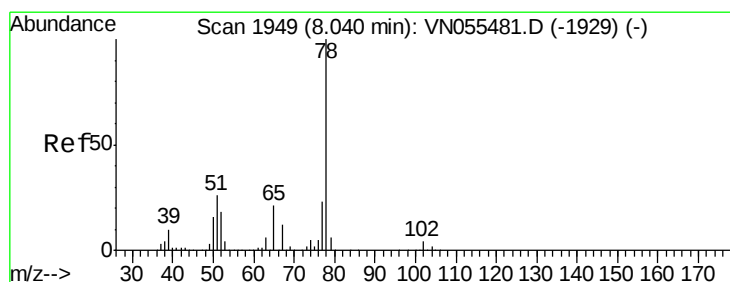
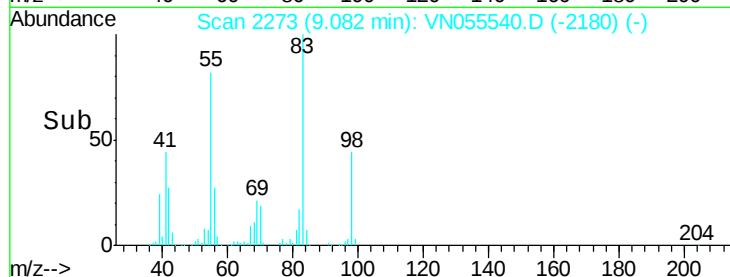
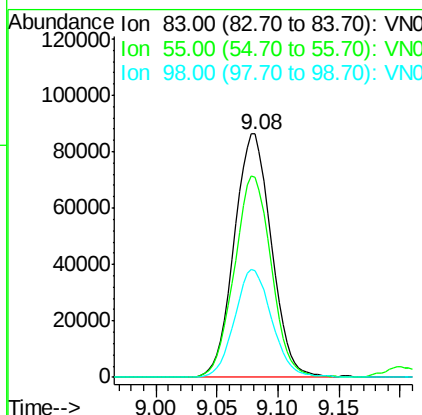
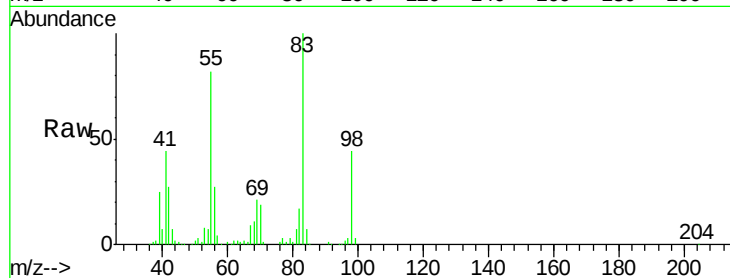
ClientSampleId :

VN0510WBS01

Tot Ion:	83	Resp:	182512
Ion Ratio	Lower	Upper	
83	100		
55	82.3	67.0	100.4
98	43.9	34.2	51.4

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#40

Benzene

Concen: 16.234 ug/l

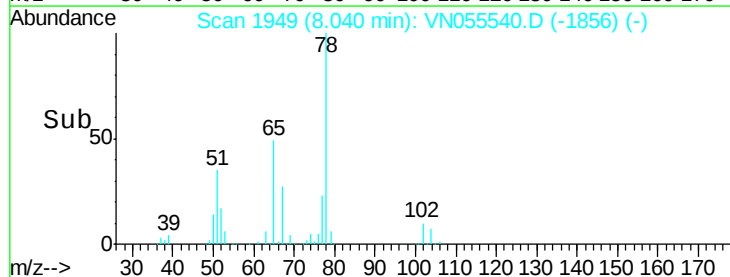
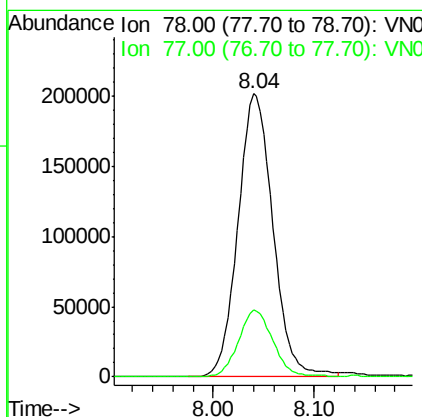
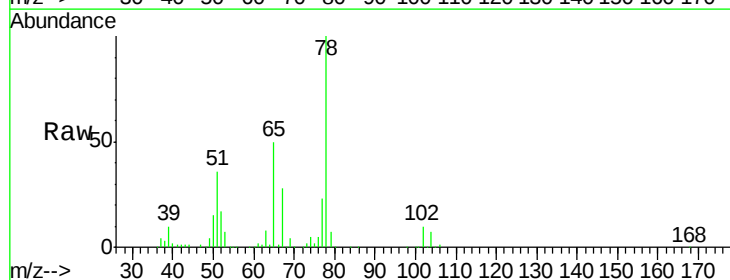
RT: 8.04 min Scan# 1949

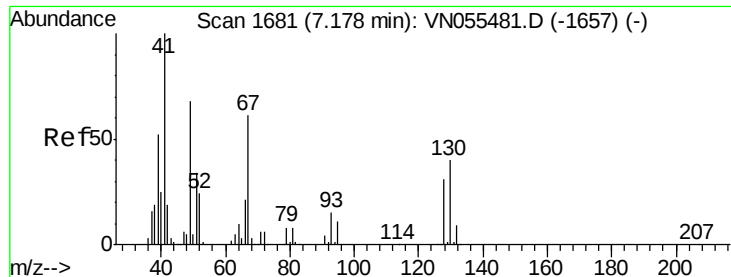
Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Tgt Ion:	78	Resp:	484732
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.6	27.8





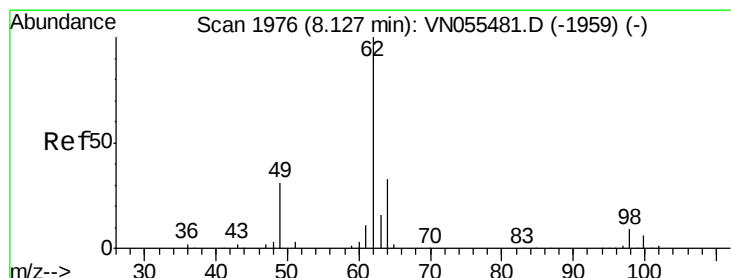
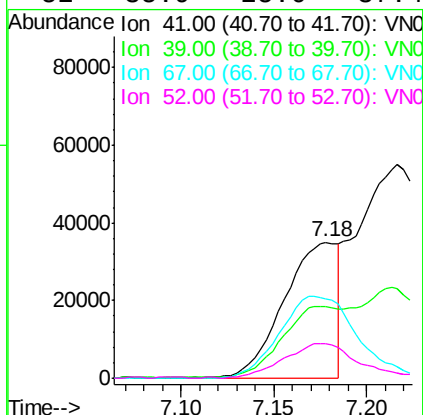
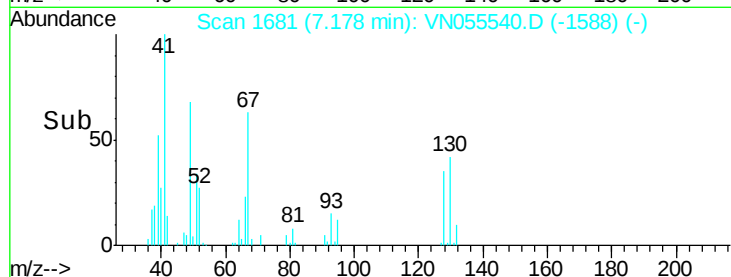
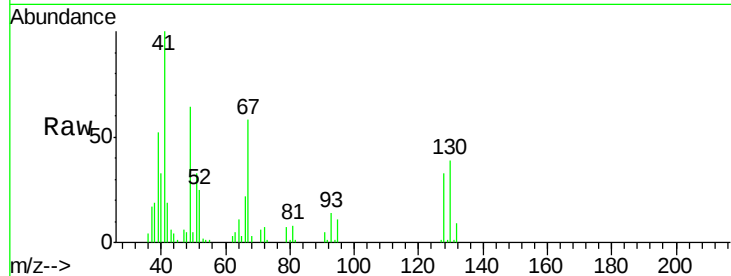
#41
Methacrylonitrile
Concen: 14.574 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VN0510WBS01

Tot Ion	41	Resp	70988
Ion	Ratio	Lower	Upper
41	100		
39	52.7	44.7	67.1
67	86.9	61.4	92.0
52	35.9	25.0	37.4

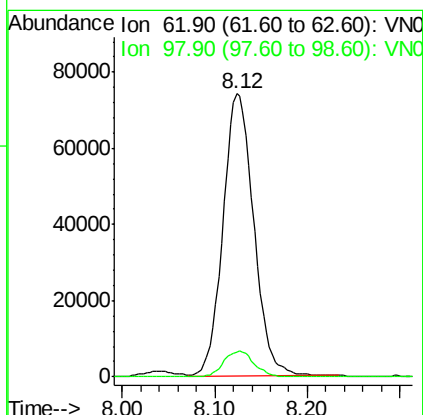
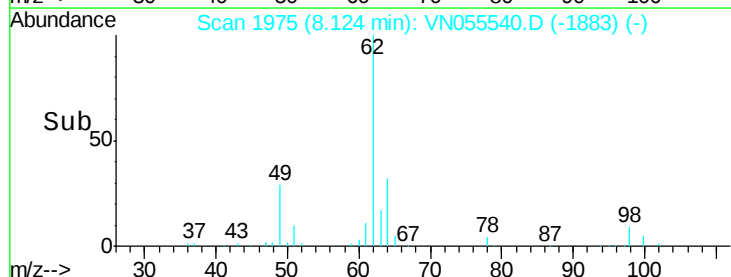
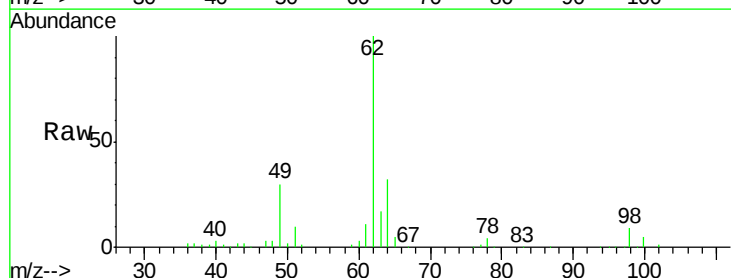
Manual Integrations
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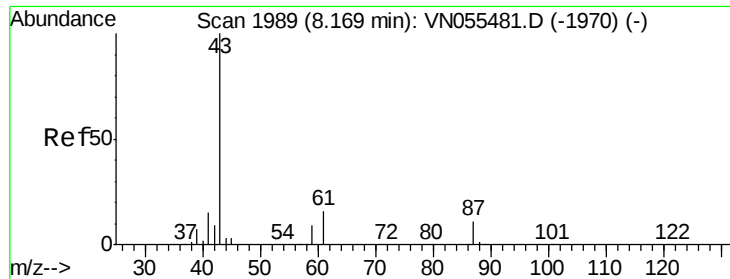
MMDadoda
5/11/2019 1:16:36 PM



#42
1,2-Dichloroethane
Concen: 16.286 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Tgt Ion	62	Resp	170840
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.4





#43

Isopropyl Acetate

Concen: 15.028 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Instrument :

MSVOA_N

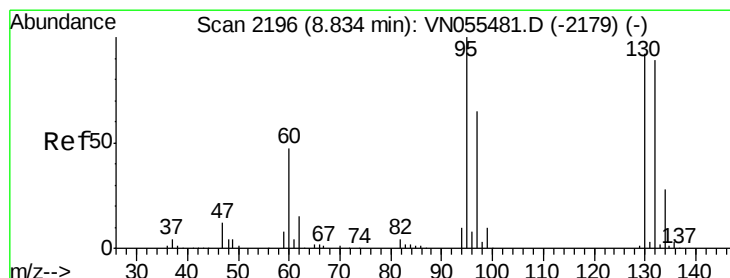
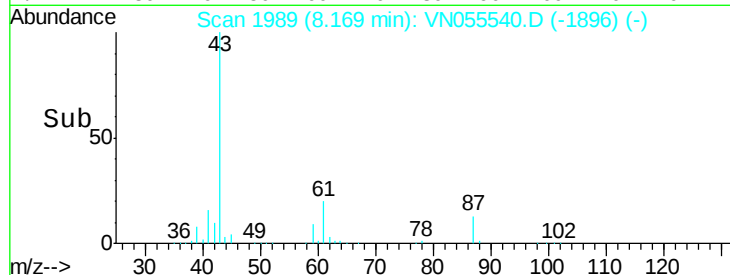
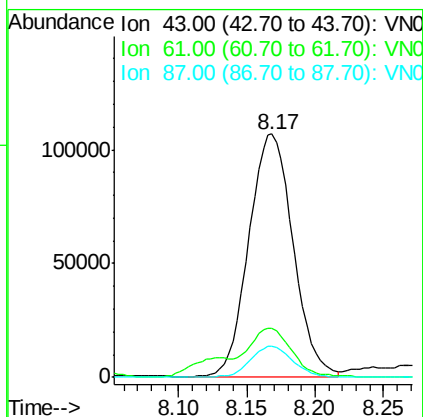
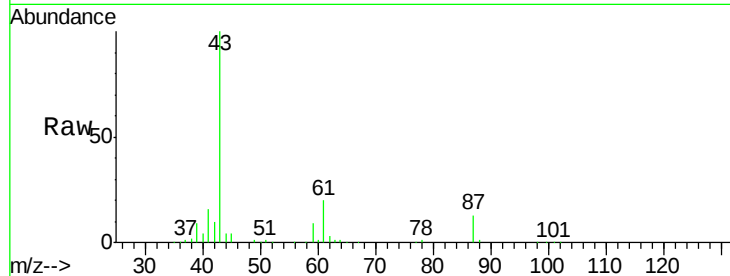
ClientSampleId :

VN0510WBS01

Tot Ion:	43	Resp:	239598
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.1	22.7
87	12.4	9.0	13.6

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5/11/2019 1:16:36 PM



#44

Trichloroethene

Concen: 16.155 ug/l

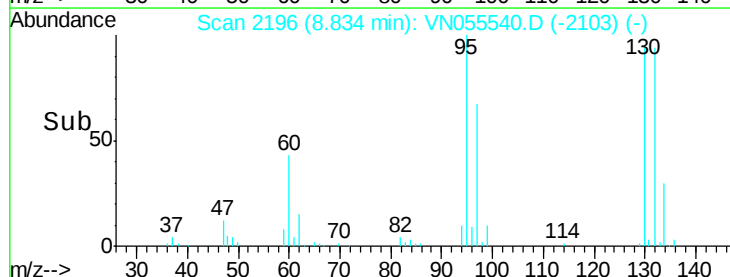
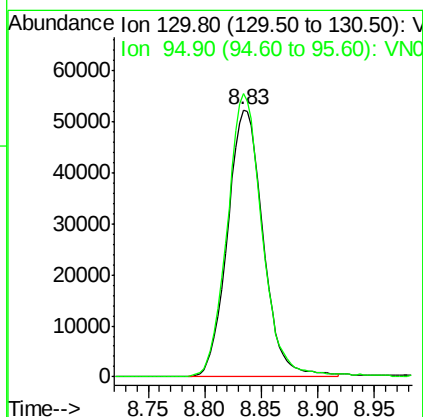
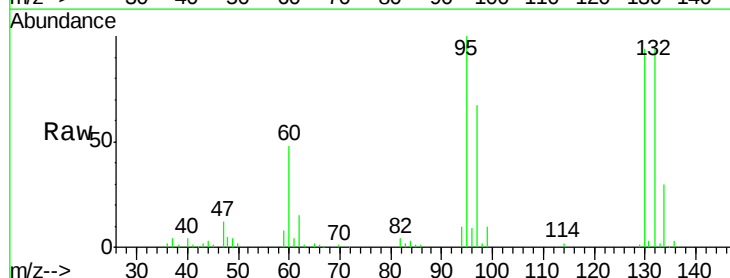
RT: 8.83 min Scan# 2196

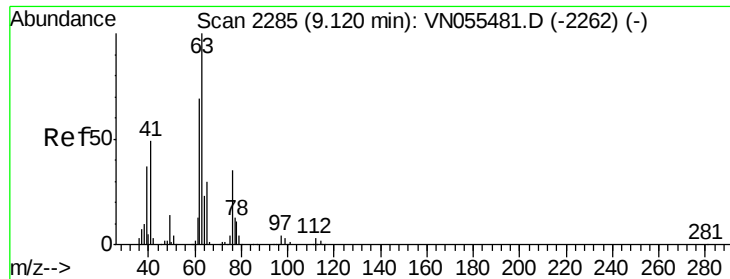
Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Tgt Ion:	130	Resp:	114777
Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	216.8





#45

1,2-Dichloropropane

Concen: 16.490 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS01

Tot Ion: 63 Resp: 140883

Ion Ratio Lower Upper

63 100

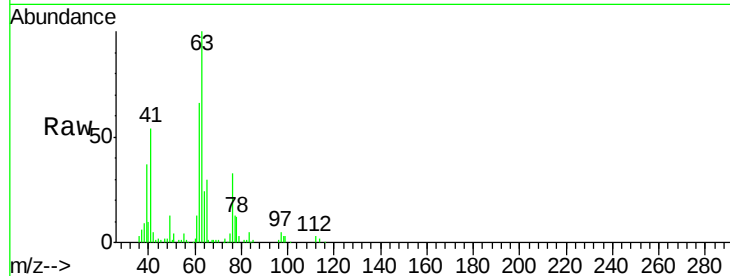
65 30.4 24.1 36.1

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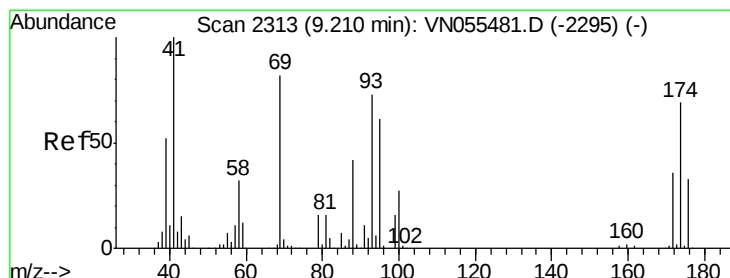
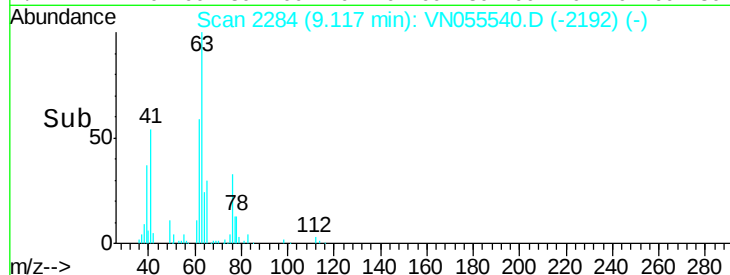
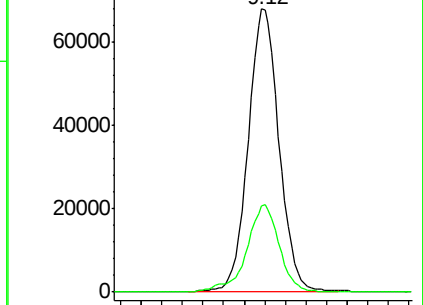
MMDadoda

5/11/2019 1:16:36 PM



Abundance Ion 62.90 (62.60 to 63.60): VN055540.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN055540.D (-2192) (-)



#46

Dibromomethane

Concen: 16.161 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

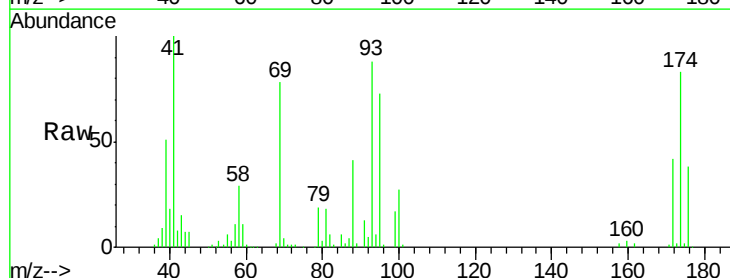
Tgt Ion: 93 Resp: 80029

Ion Ratio Lower Upper

93 100

95 82.8 64.8 97.2

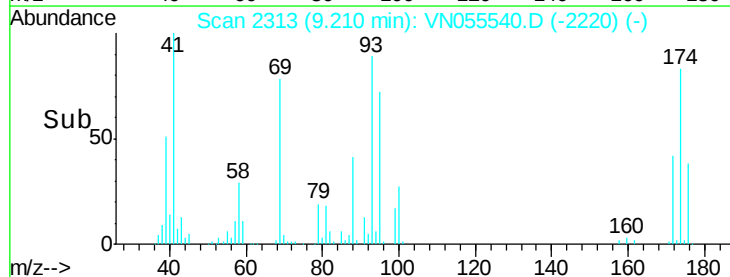
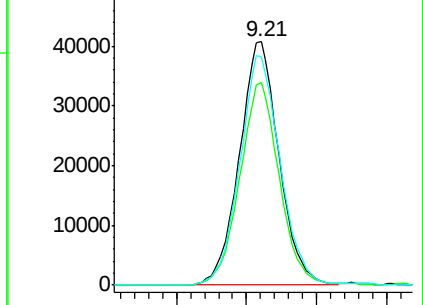
174 95.6 75.0 112.6

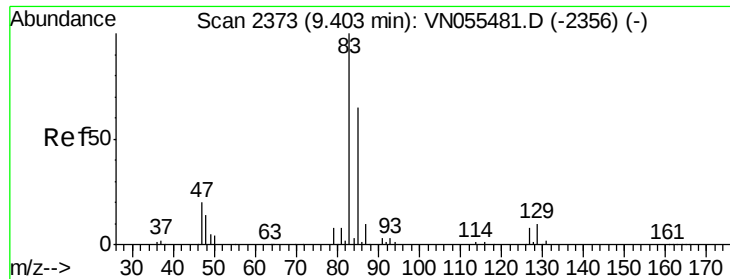


Abundance Ion 92.80 (92.50 to 93.50): VN055540.D (-2220) (-)

Ion 94.80 (94.50 to 95.50): VN055540.D (-2220) (-)

Ion 173.70 (173.40 to 174.40): VN055540.D (-2220) (-)





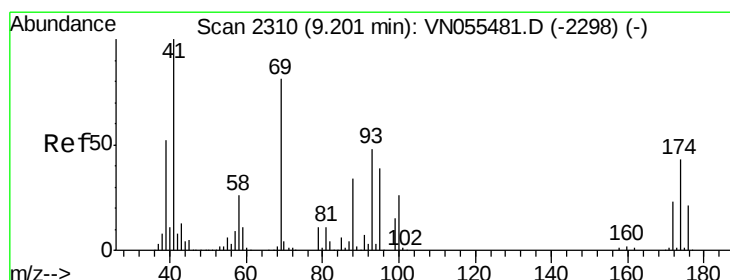
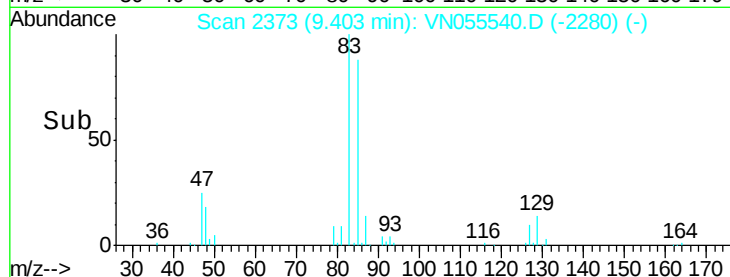
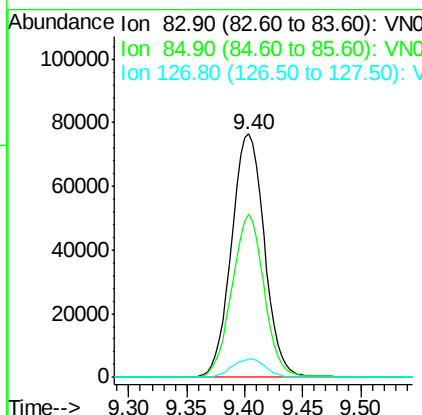
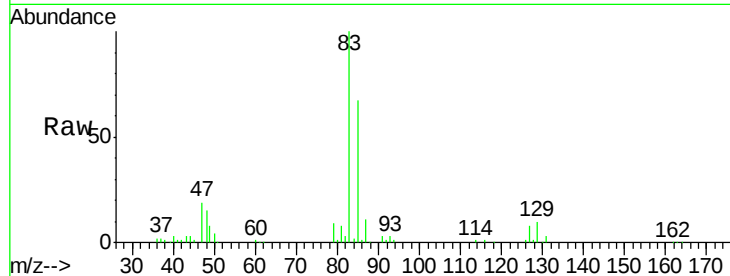
#47
 Bromodichloromethane
 Concen: 15.908 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBS01

Tot Ion	83	Resp	150703
Ion Ratio	100	Lower	Upper
83	100		
85	66.9	52.2	78.2
127	7.6	6.5	9.7

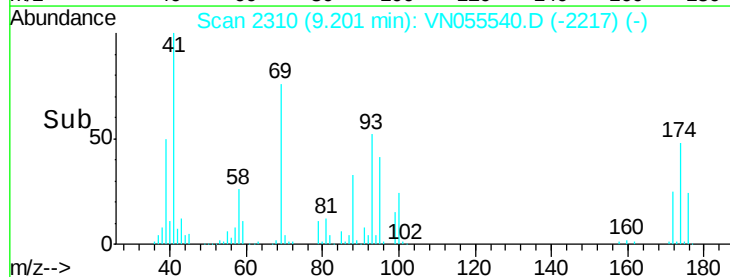
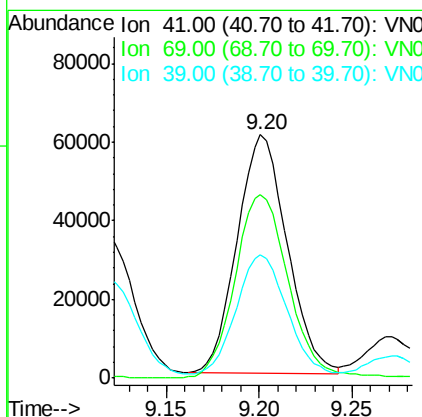
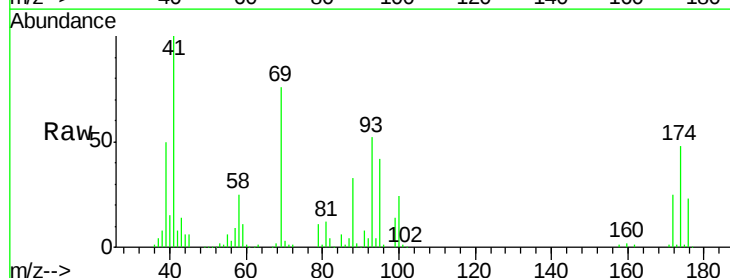
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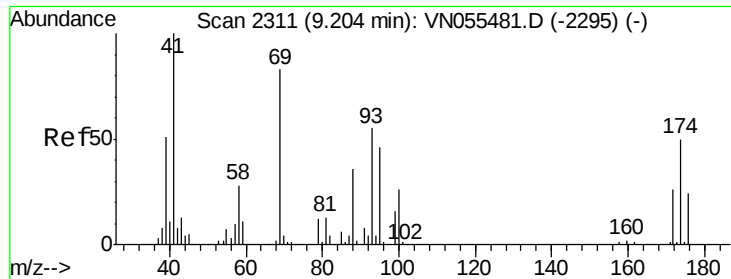
MMDadoda
 5/11/2019 1:16:36 PM



#48
 Methyl methacrylate
 Concen: 14.839 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Tgt Ion	41	Resp	113993
Ion Ratio	100	Lower	Upper
41	100		
69	82.3	64.2	96.2
39	52.8	41.6	62.4





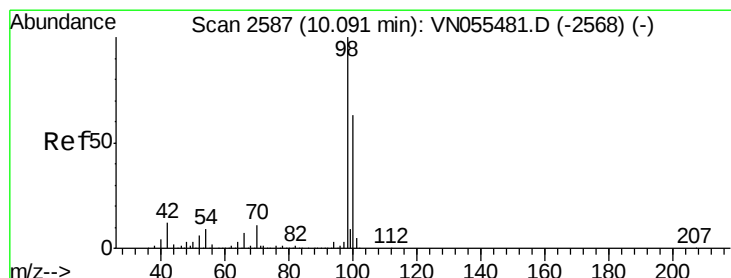
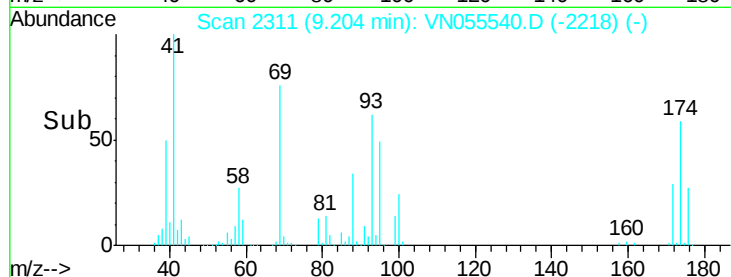
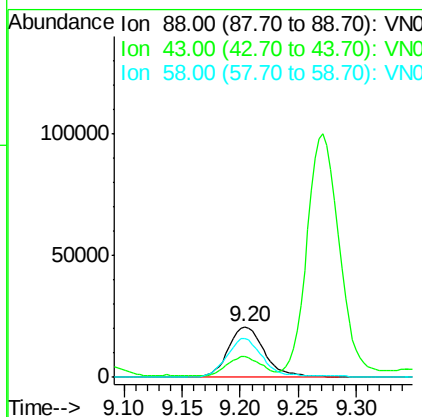
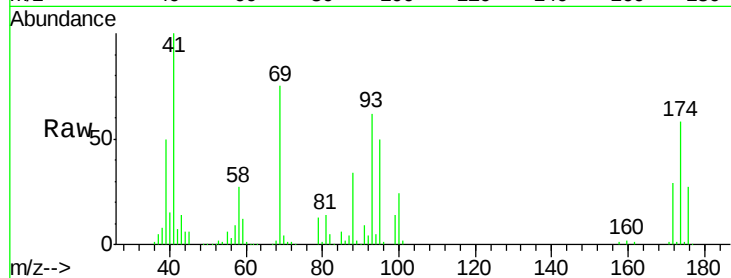
#49
 1,4-Dioxane
 Concen: 304.800 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0510WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	27.8	41.8
58	74.6	61.8	92.6

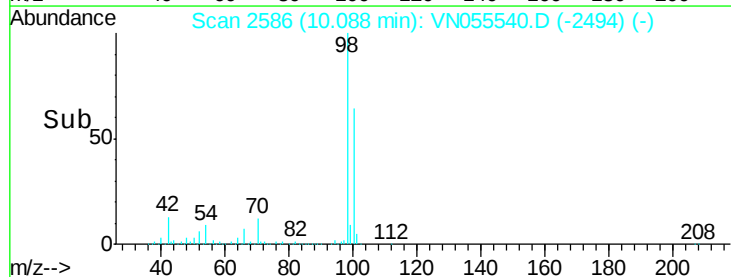
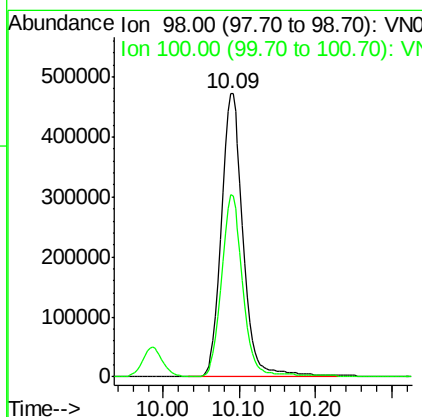
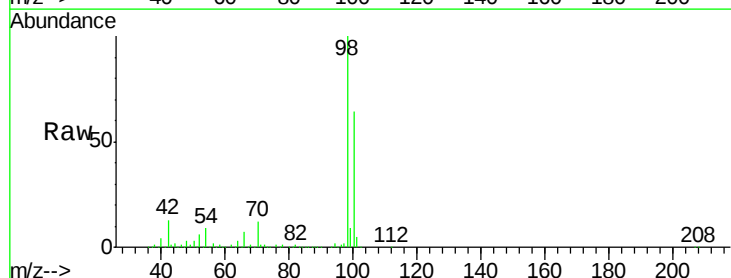
Manual Integrations
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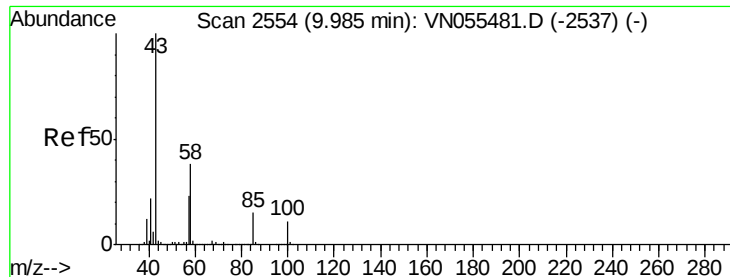
MMDadoda
 5/11/2019 1:16:36 PM



#50
 Toluene-d8
 Concen: 38.406 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.5	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 72.383 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS01

Tot Ion: 43 Resp: 759009

Ion Ratio Lower Upper

43 100

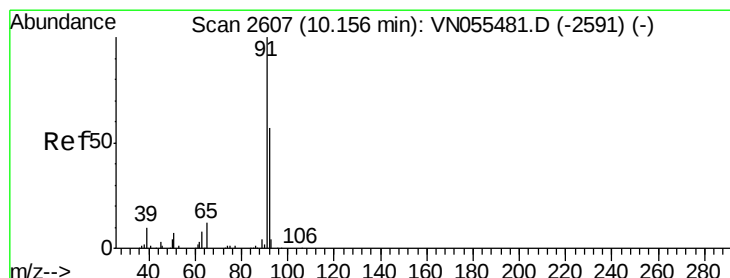
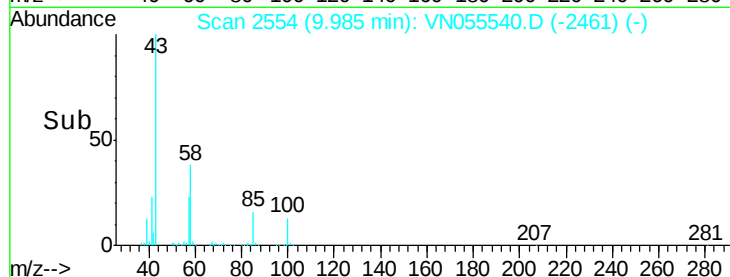
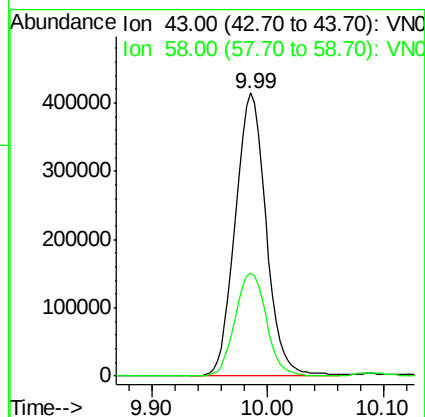
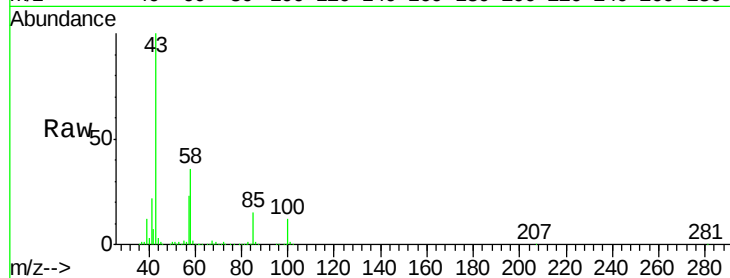
58 37.1 29.9 44.9

Manual Integrations

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5/11/2019 1:16:36 PM



#52

Toluene

Concen: 16.240 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055540.D

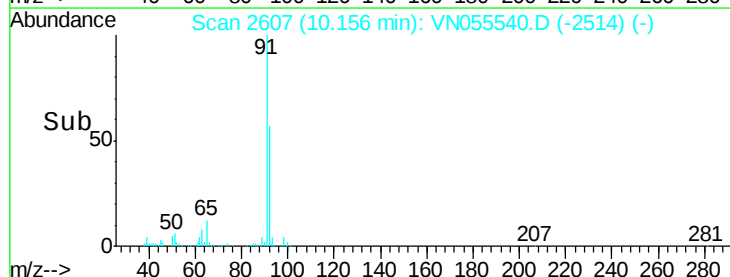
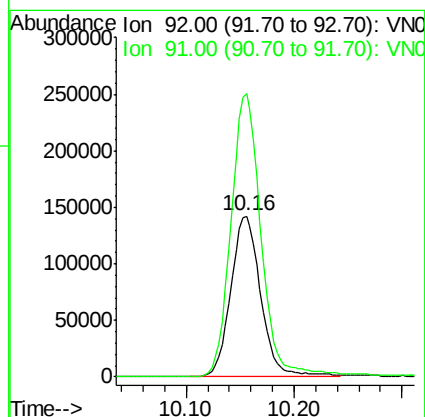
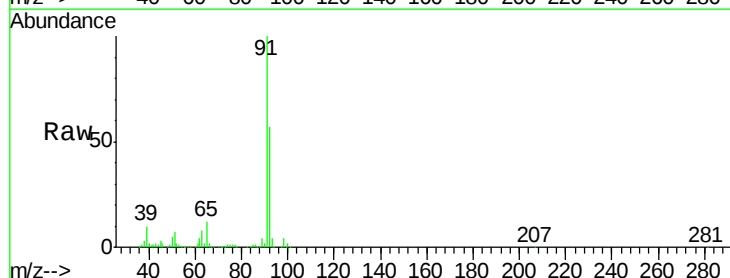
Acq: 10 May 2019 10:16

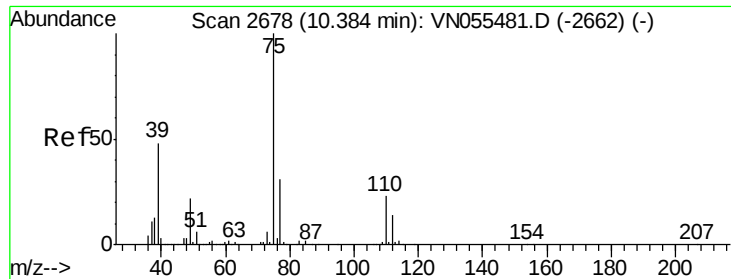
Tgt Ion: 92 Resp: 277211

Ion Ratio Lower Upper

92 100

91 176.3 140.5 210.7





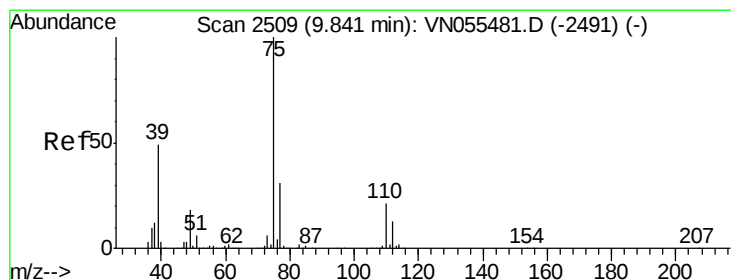
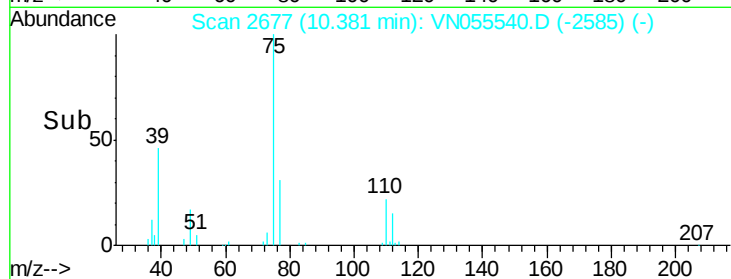
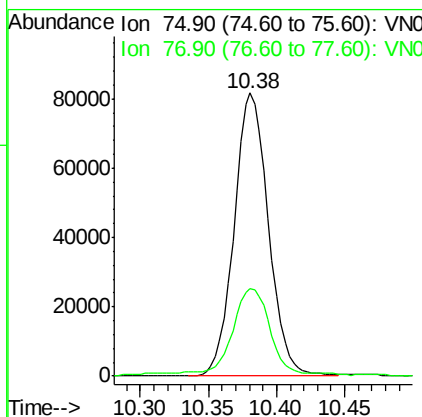
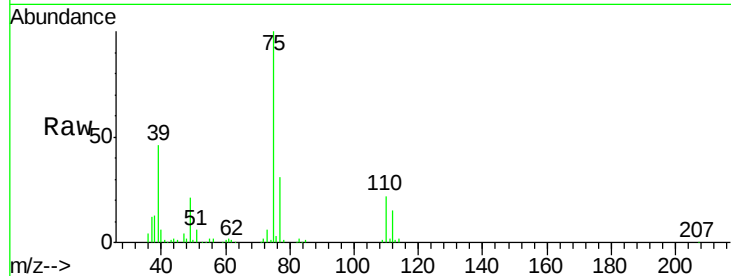
#53
t-1,3-Dichloropropene
Concen: 15.654 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.1	37.7

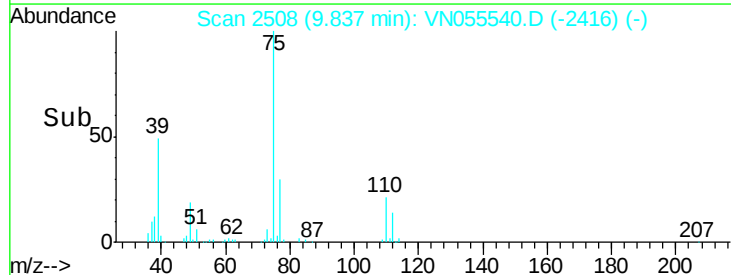
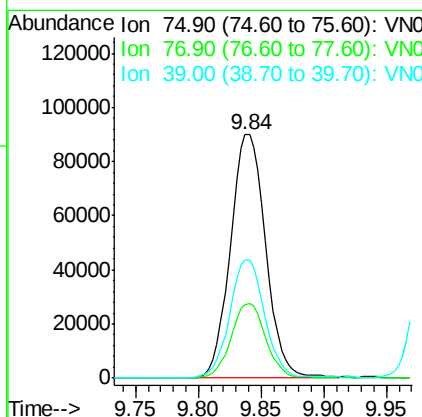
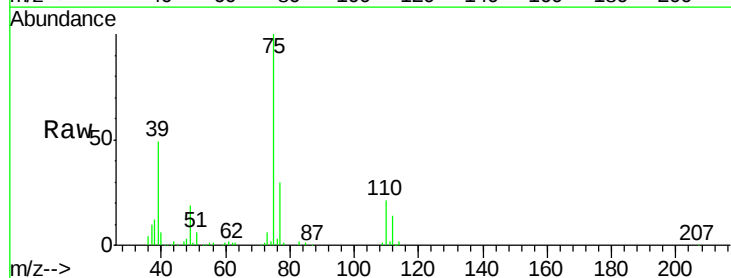
Manual Integrations
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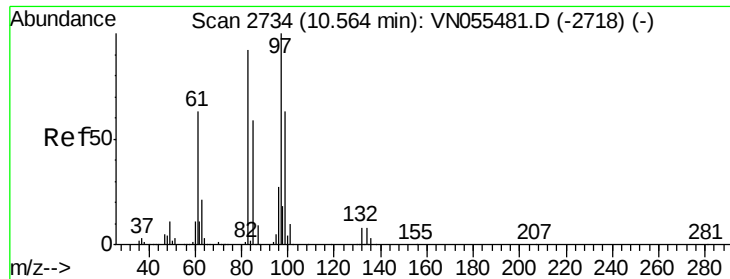
MMDadoda
5/11/2019 1:16:36 PM



#54
cis-1,3-Dichloropropene
Concen: 16.185 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.4	36.6
39	48.6	39.5	59.3





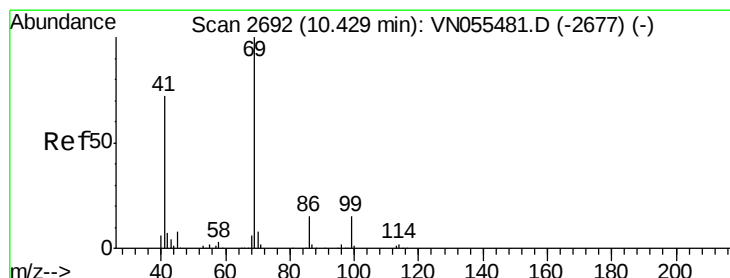
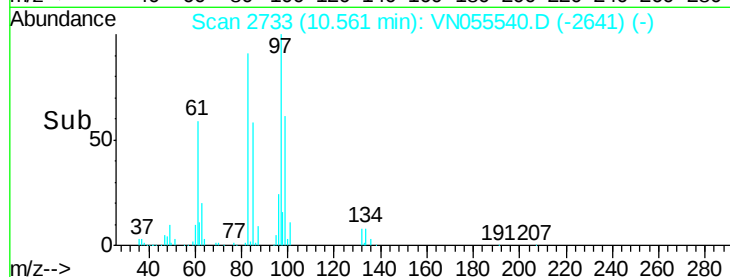
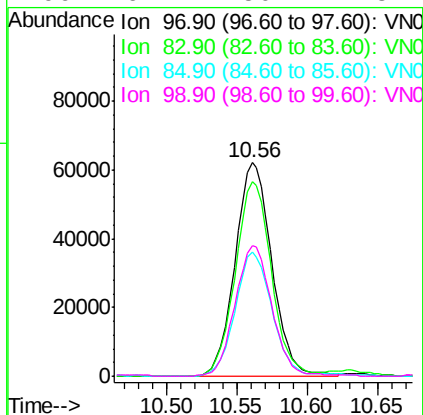
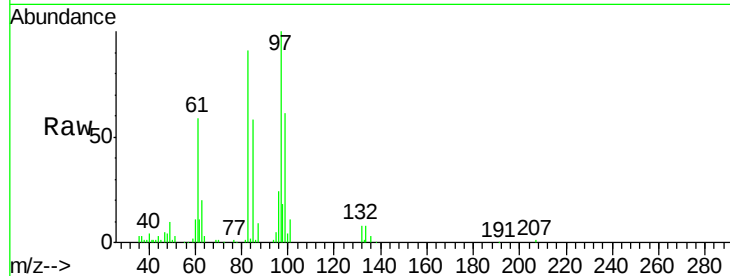
#55
 1,1,2-Trichloroethane
 Concen: 16.422 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBS01

Tot Ion:	97	Resp:	113581
Ion	Ratio	Lower	Upper
97	100		
83	91.1	73.2	109.8
85	58.2	47.5	71.3
99	61.2	50.2	75.2

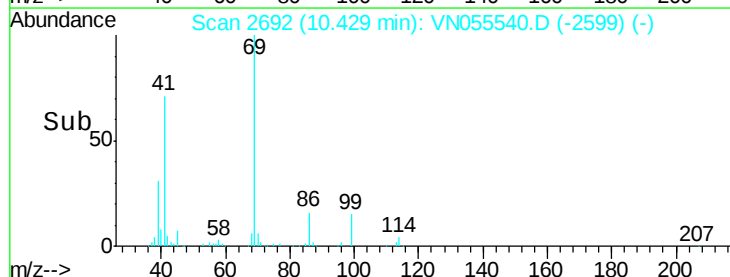
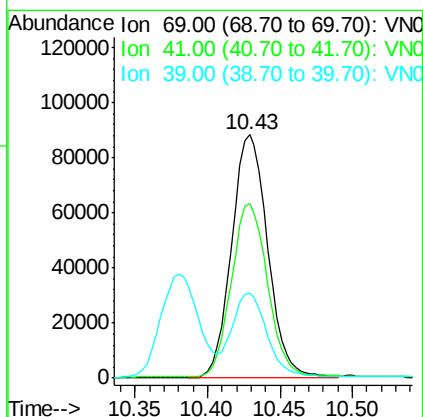
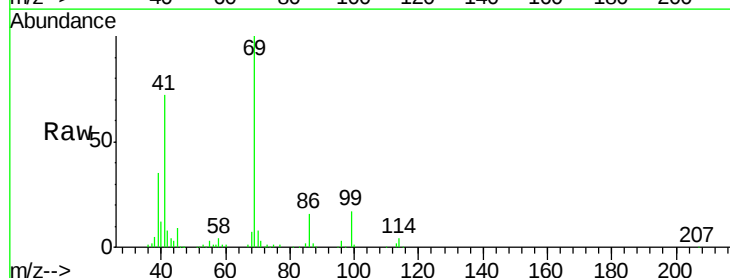
Manual Integrations
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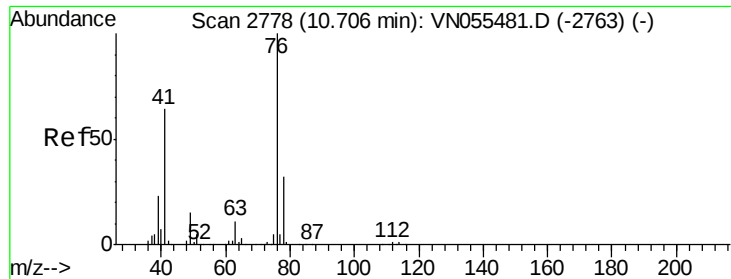
MMDadoda
 5/11/2019 1:16:36 PM



#56
 Ethyl methacrylate
 Concen: 14.925 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Tgt Ion:	69	Resp:	153536
Ion	Ratio	Lower	Upper
69	100		
41	70.9	56.2	84.2
39	33.5	27.8	41.6





#57

1,3-Dichloropropane

Concen: 15.994 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS01

Tot Ion: 76 Resp: 196380

Ion Ratio Lower Upper

76 100

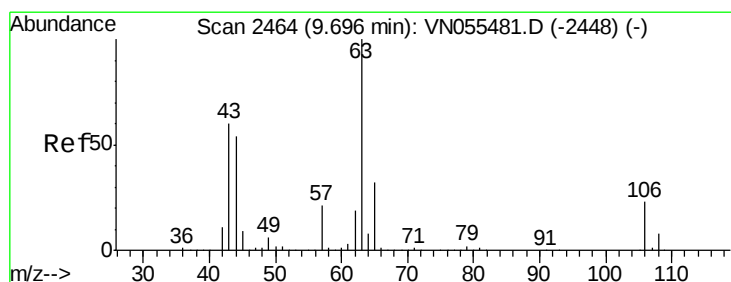
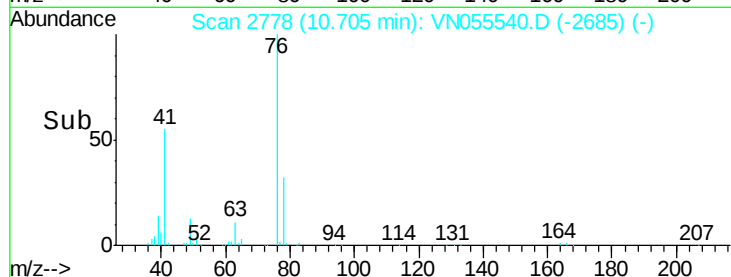
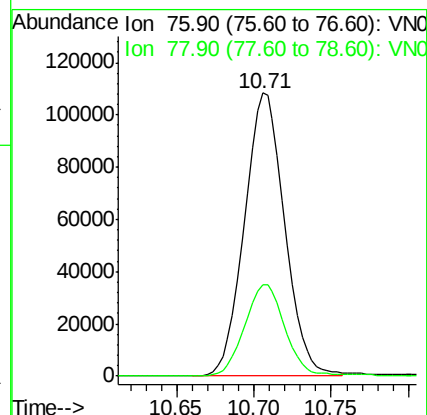
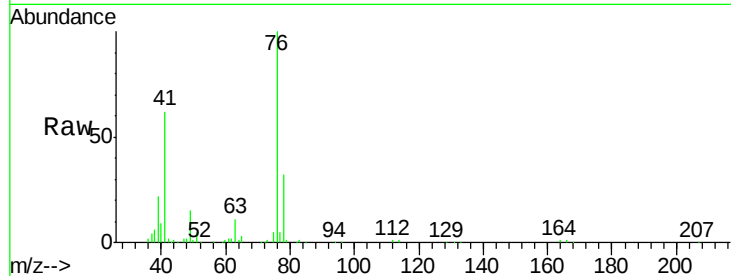
78 32.4 25.8 38.6

Manual Integrations

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MMDadoda

5/11/2019 1:16:36 PM



#58

2-Chloroethyl Vinyl ether

Concen: 33.595 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055540.D

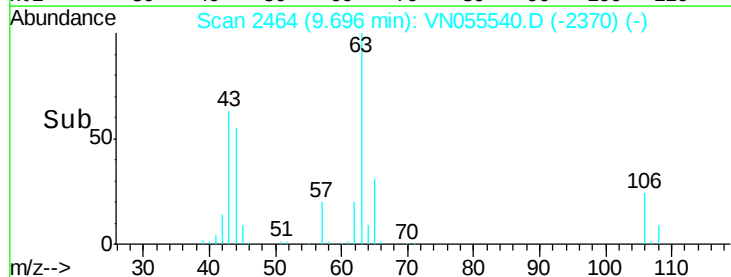
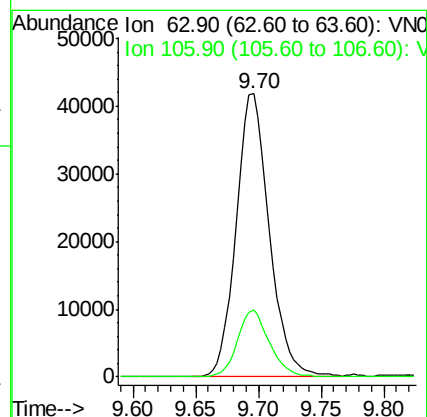
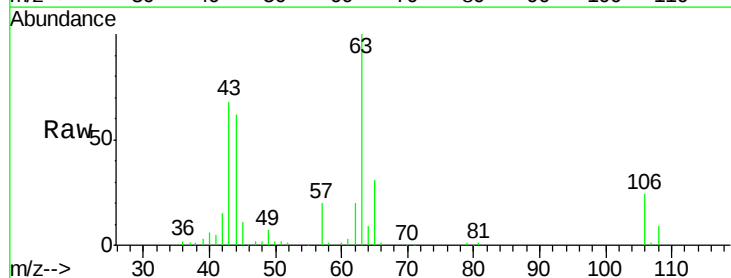
Acq: 10 May 2019 10:16

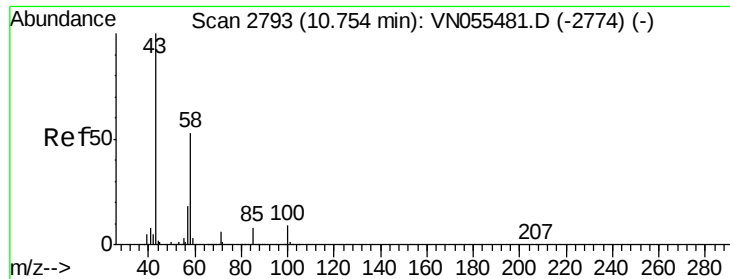
Tgt Ion: 63 Resp: 76860

Ion Ratio Lower Upper

63 100

106 22.5 18.6 27.8





#59

2-Hexanone

Concen: 72.854 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS01

Tot Ion: 43 Resp: 535754

Ion Ratio Lower Upper

43 100

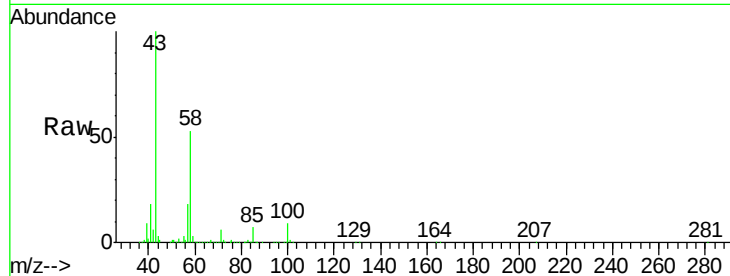
58 52.8 26.4 79.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-2774) (-)

Ion 58.00 (57.70 to 58.70): VN055481.D (-2774) (-)

10.75

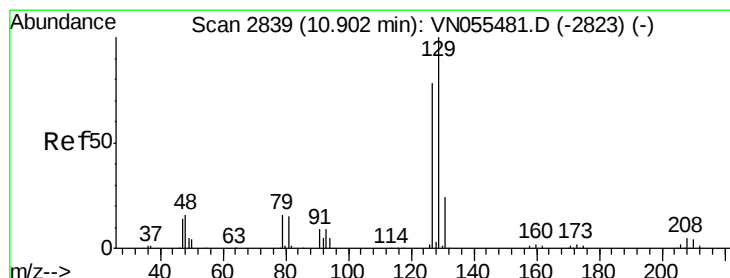
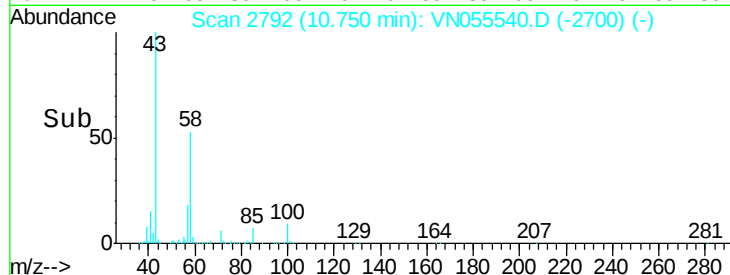
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 16.210 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055540.D

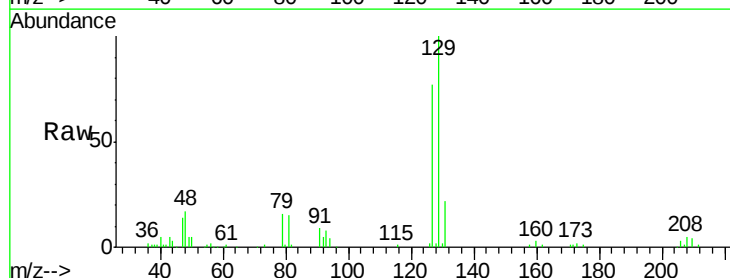
Acq: 10 May 2019 10:16

Tgt Ion: 129 Resp: 101931

Ion Ratio Lower Upper

129 100

127 76.2 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): VN055481.D (-2823) (-)

Ion 126.80 (126.50 to 127.50): VN055481.D (-2823) (-)

10.90

60000

50000

40000

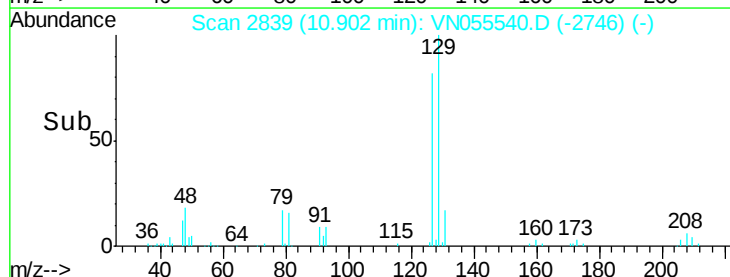
30000

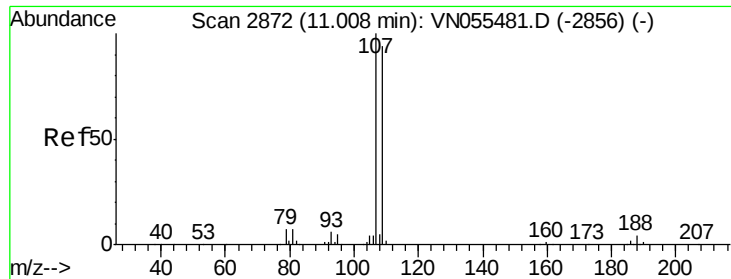
20000

10000

0

Time-->





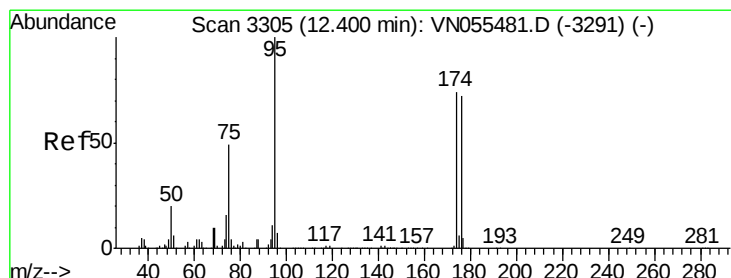
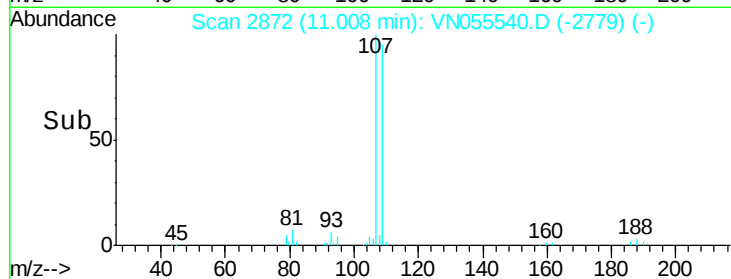
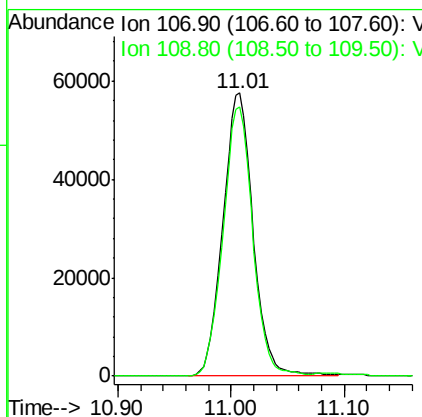
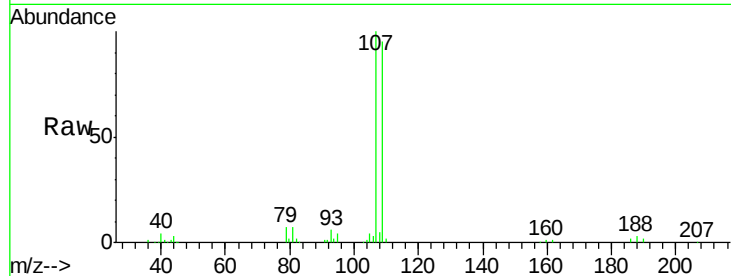
#61
 1,2-Dibromoethane
 Concen: 16.099 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	106977		
109	93.6	74.2	111.4	

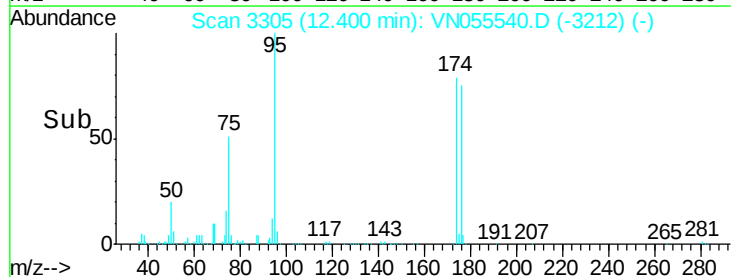
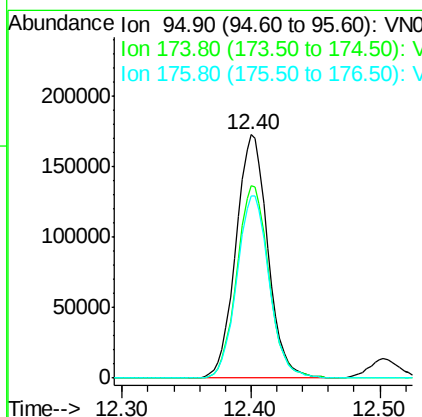
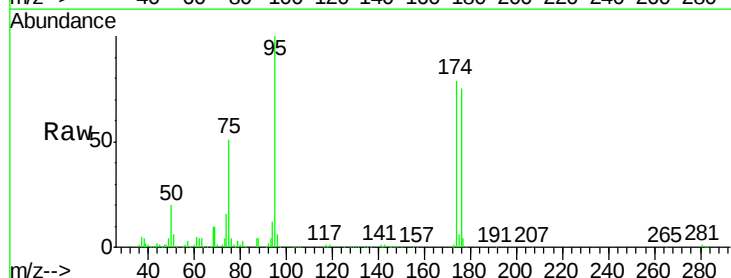
Manual Integrations
 APPROVED

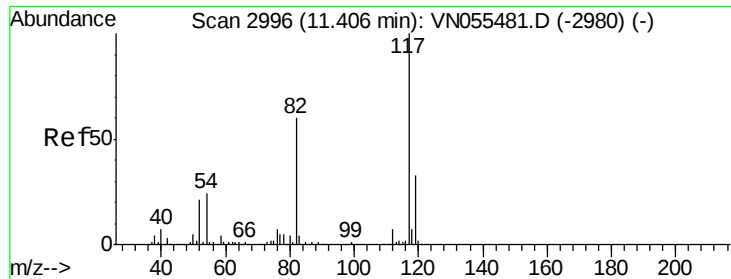
MMDadoda
 5/11/2019 1:16:36 PM



#62
 4-Bromofluorobenzene
 Concen: 35.867 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	296886		
174	79.3	0.0	152.2	
176	76.1	0.0	147.8	





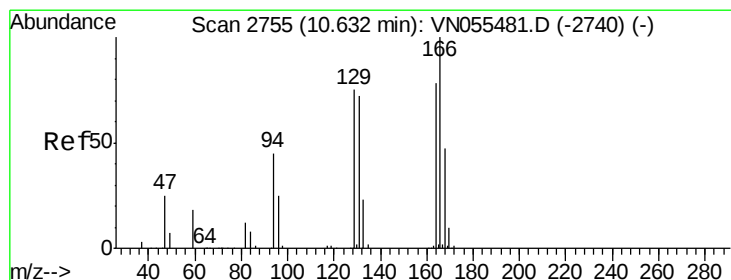
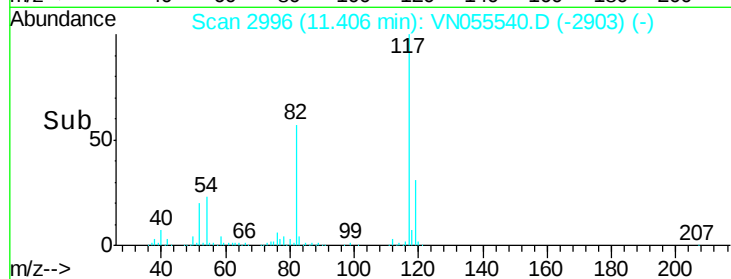
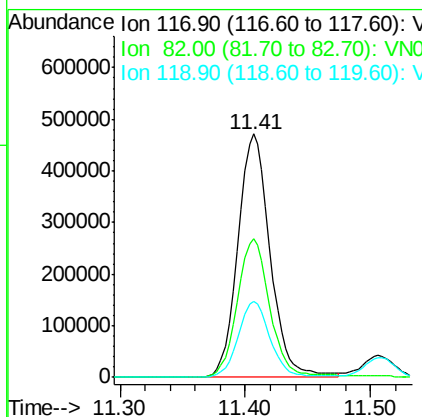
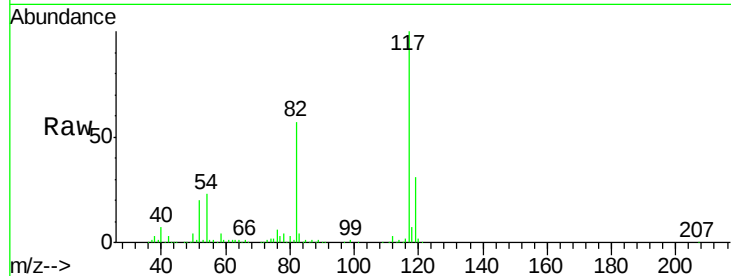
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	844529		
82	56.9		48.0	72.0
119	31.3		26.0	39.0

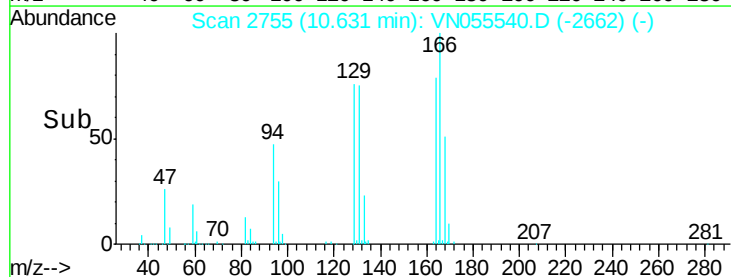
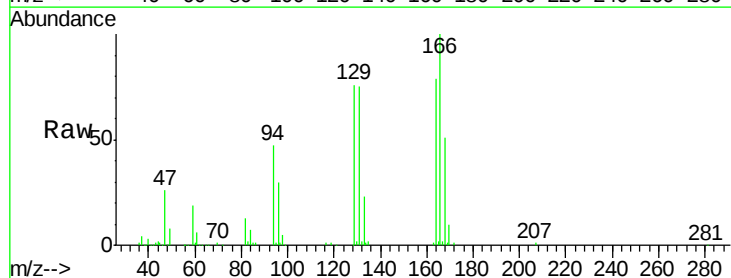
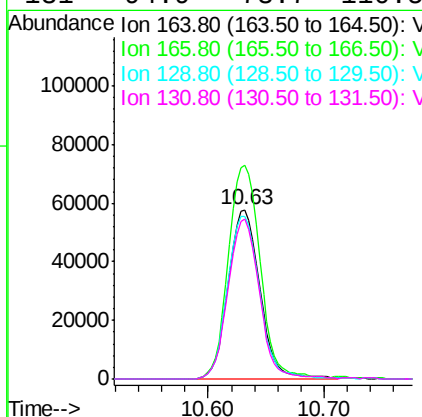
Manual Integrations
APPROVED

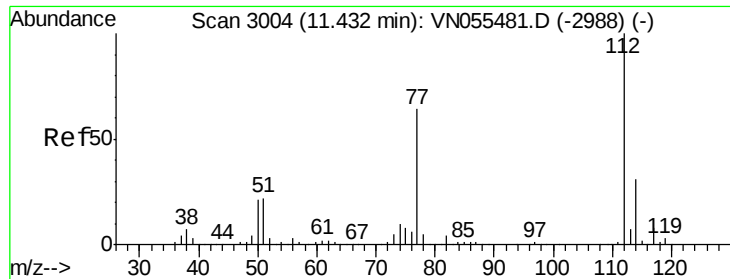
MMDadoda
5/11/2019 1:16:36 PM



#64
Tetrachloroethene
Concen: 15.777 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	109181		
166	126.4		102.6	153.8
129	96.6		77.0	115.6
131	94.9		73.7	110.5





#65

Chlorobenzene

Concen: 15.973 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS01

Tot Ion:112 Resp: 277527

Ion Ratio Lower Upper

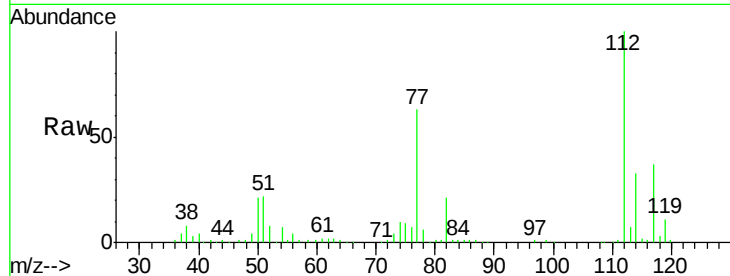
112 100

114 32.9 25.0 37.4

Manual Integrations
APPROVED

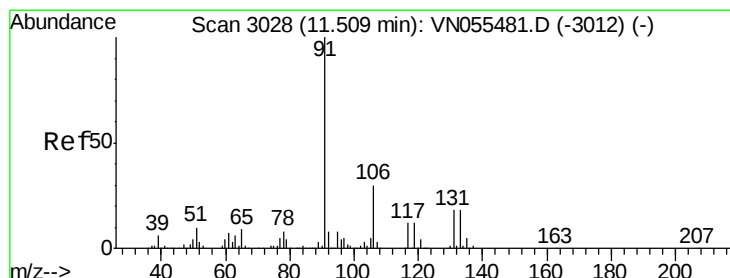
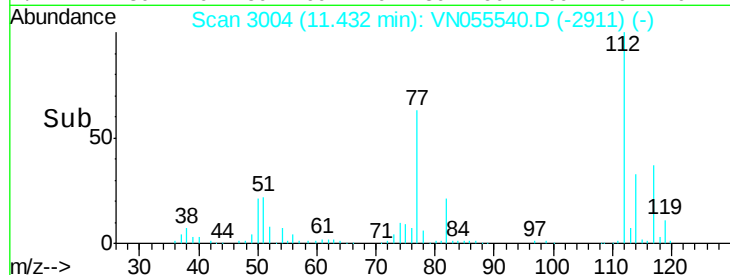
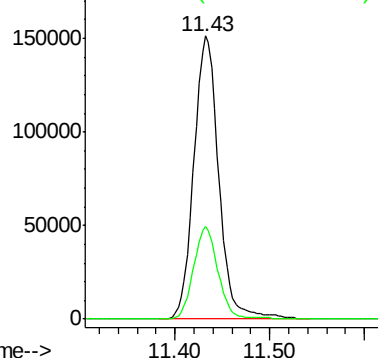
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 16.569 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

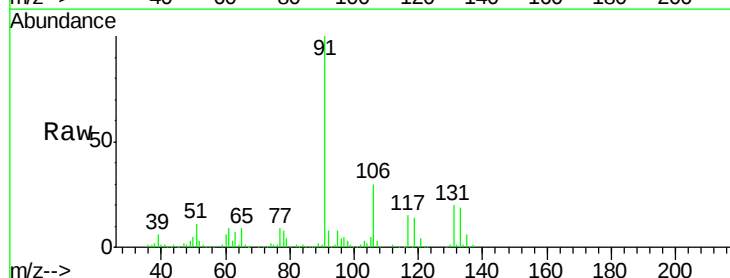
Tgt Ion:131 Resp: 99111

Ion Ratio Lower Upper

131 100

133 94.2 47.4 142.2

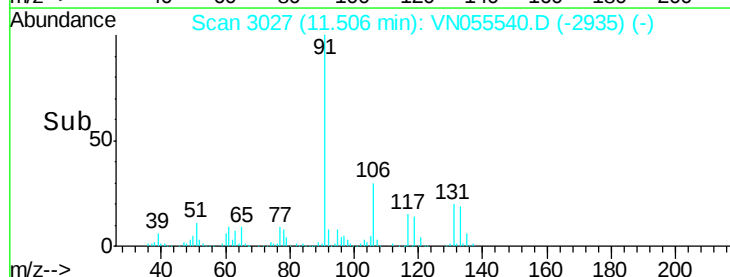
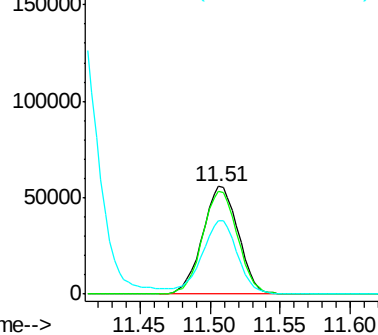
119 68.8 34.1 102.2

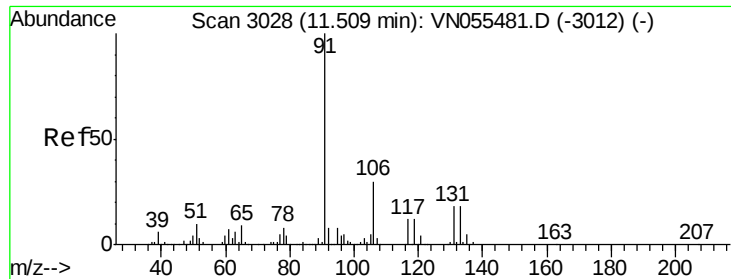


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





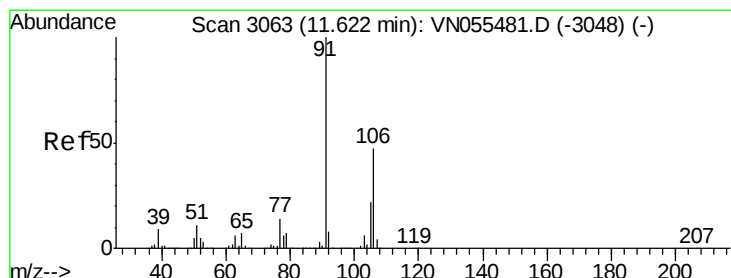
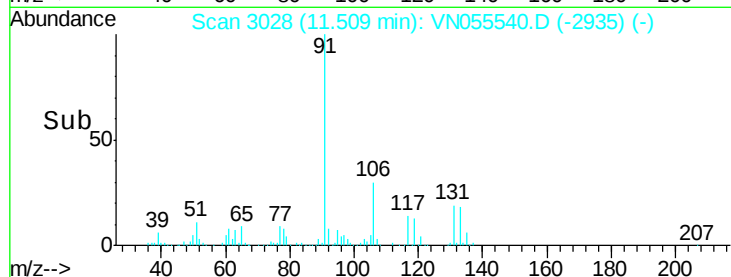
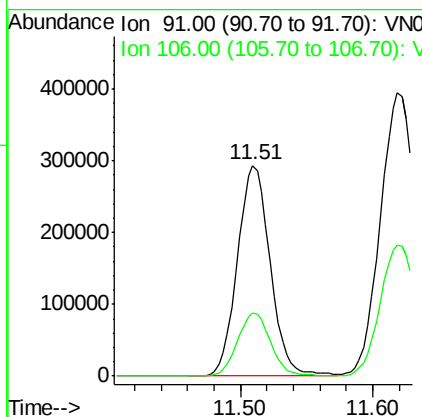
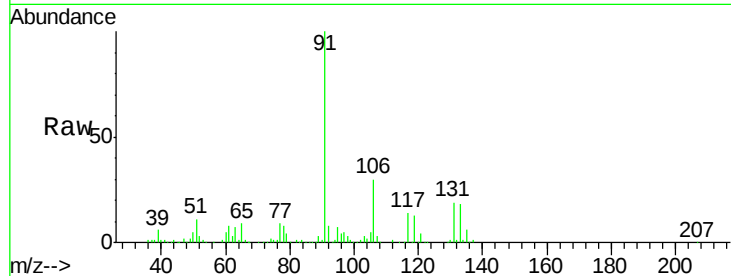
#67
Ethyl Benzene
Concen: 15.467 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS01

Tot Ion: 91 Resp: 504728
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.6

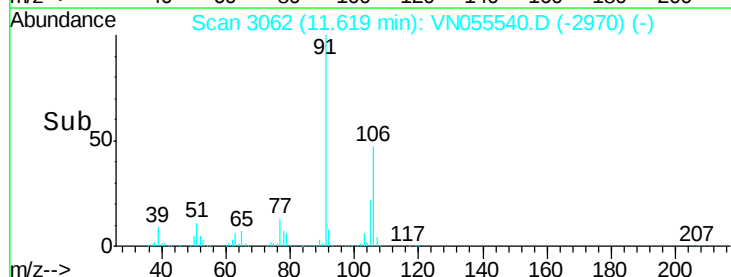
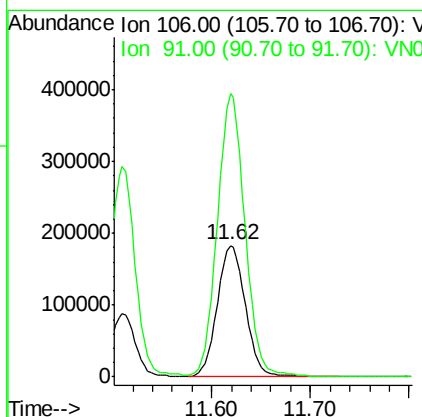
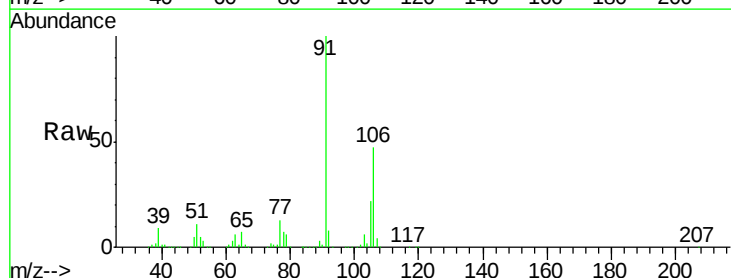
Manual Integrations
APPROVED

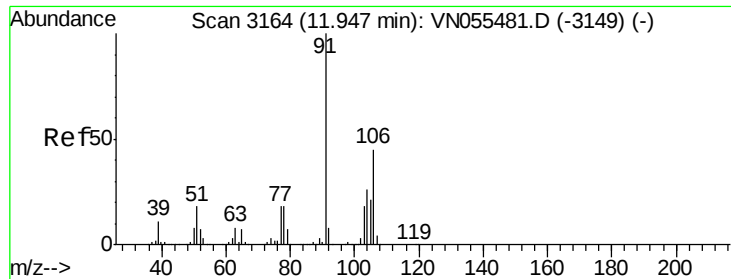
MMDadoda
5/11/2019 1:16:36 PM



#68
m/p-Xylenes
Concen: 31.343 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Tgt Ion: 106 Resp: 367058
Ion Ratio Lower Upper
106 100
91 210.8 169.2 253.8





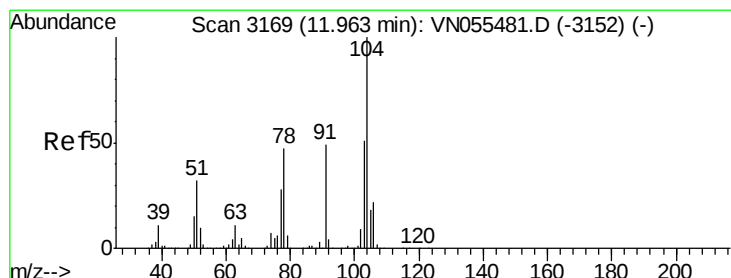
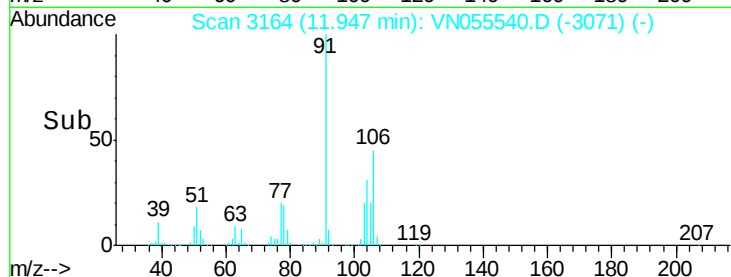
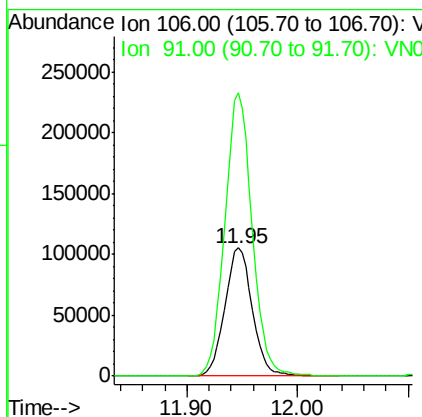
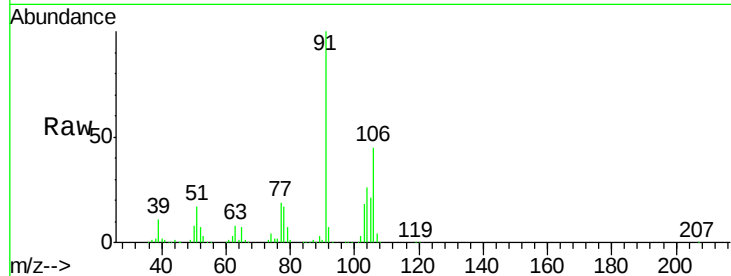
#69
o-Xylene
Concen: 15.822 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VN0510WBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	182123		
91	218.9	111.3	333.8	

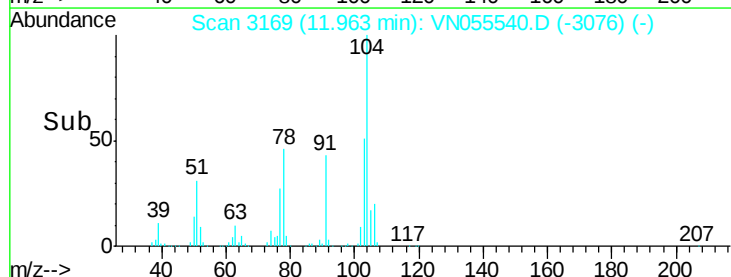
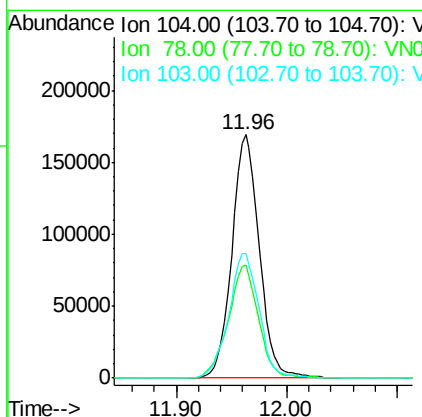
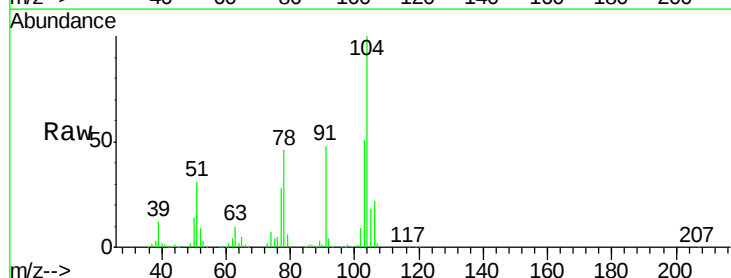
Manual Integrations
APPROVED

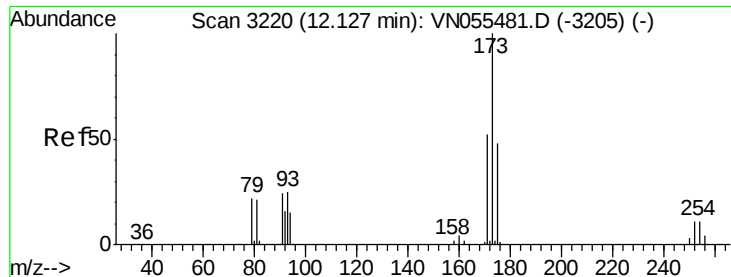
MMDadoda
5/11/2019 1:16:36 PM



#70
Styrene
Concen: 15.842 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	292144		
78	51.4	41.6	62.4	
103	56.7	44.4	66.6	





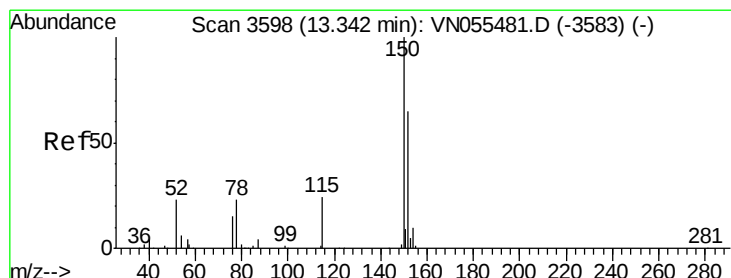
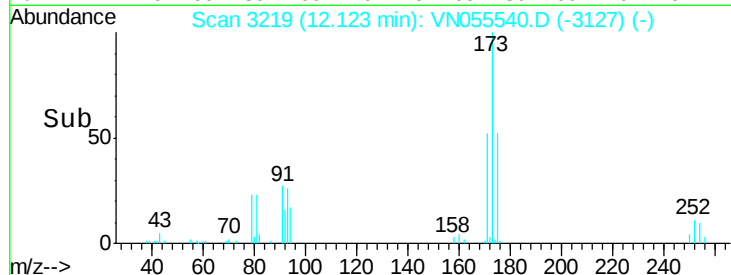
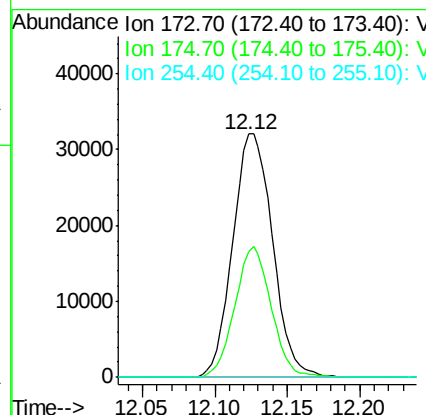
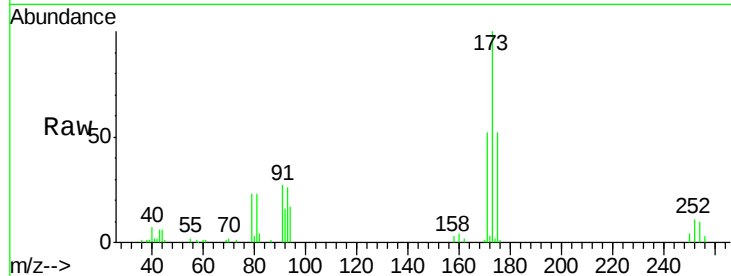
#71
Bromoform
Concen: 15.203 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.1	72.4
254	0.0	0.1	0.1#

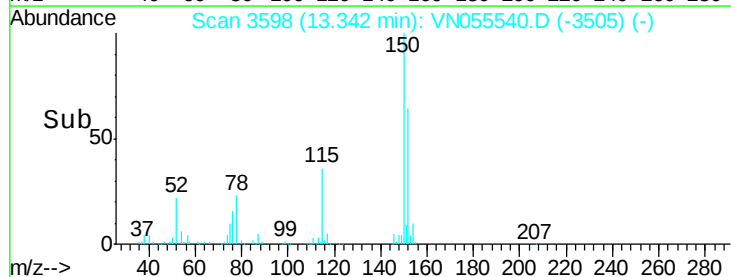
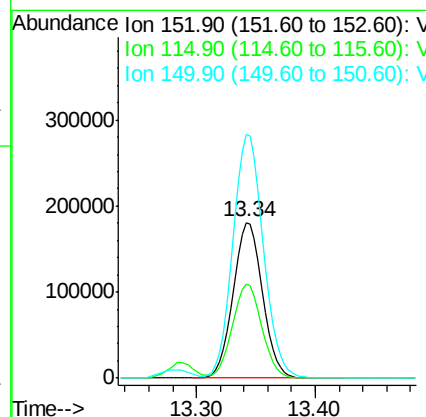
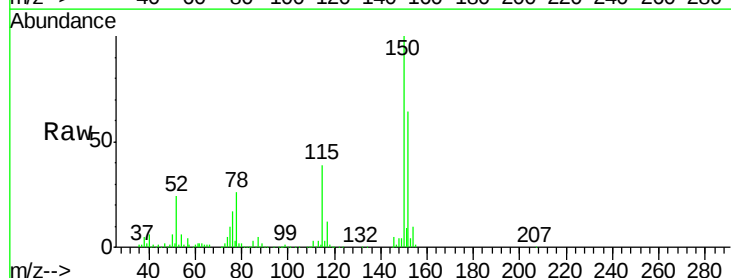
Manual Integrations
APPROVED

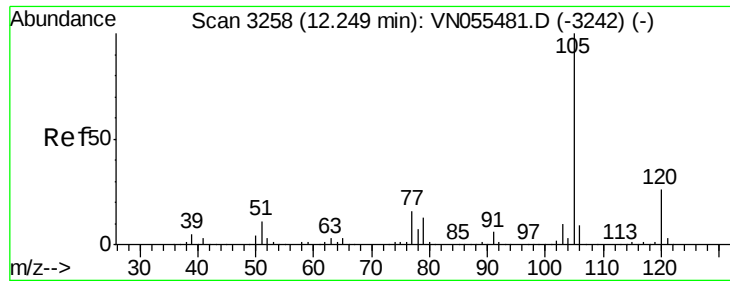
MMDadoda
5/11/2019 1:16:36 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.1	90.5
150	162.3	0.0	355.0





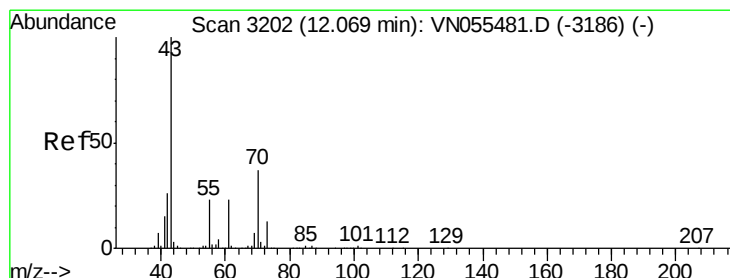
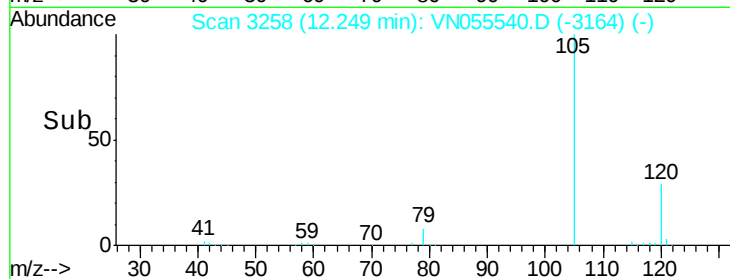
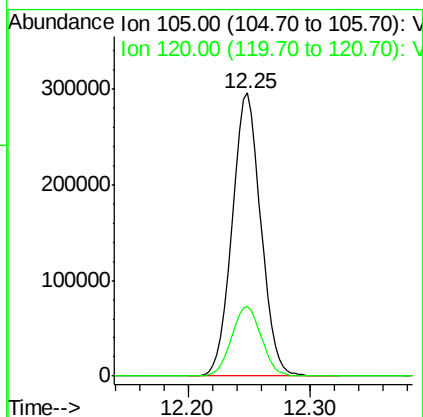
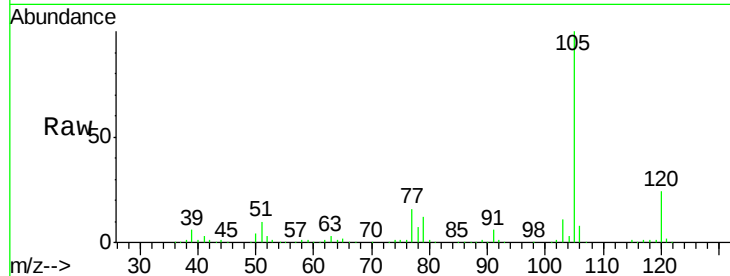
#73
Isopropylbenzene
Concen: 17.318 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS01

Tot Ion: 105 Resp: 482846
Ion Ratio Lower Upper
105 100
120 25.5 13.0 39.0

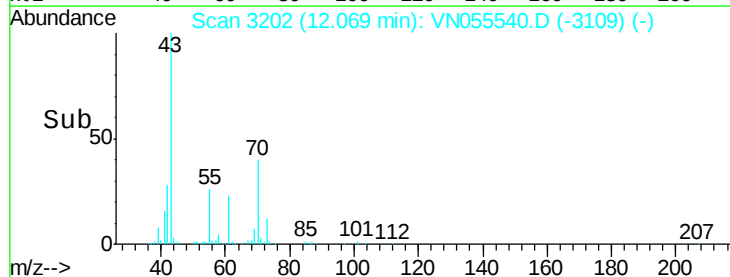
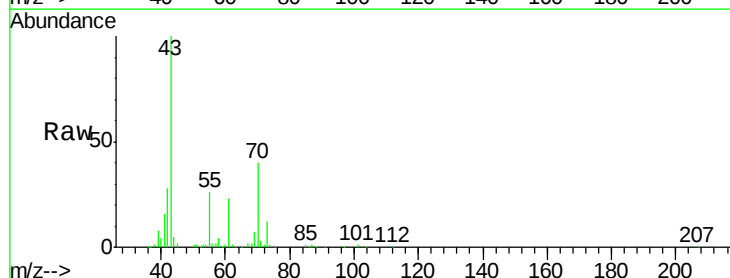
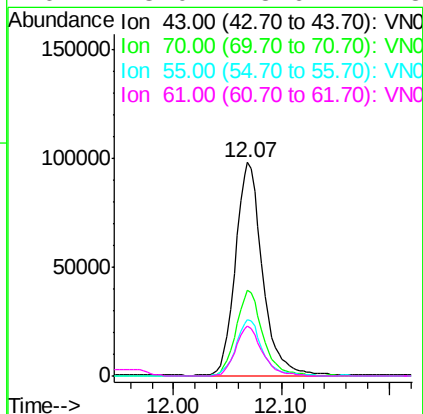
Manual Integrations
APPROVED

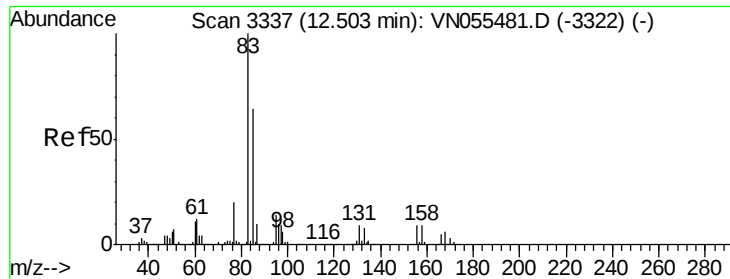
MMDadoda
5/11/2019 1:16:36 PM



#74
N-ethyl acetate
Concen: 14.582 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Tgt Ion: 43 Resp: 171027
Ion Ratio Lower Upper
43 100
70 39.8 30.7 46.1
55 26.2 19.3 28.9
61 23.0 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 17.069 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Instrument :

MSVOA_N

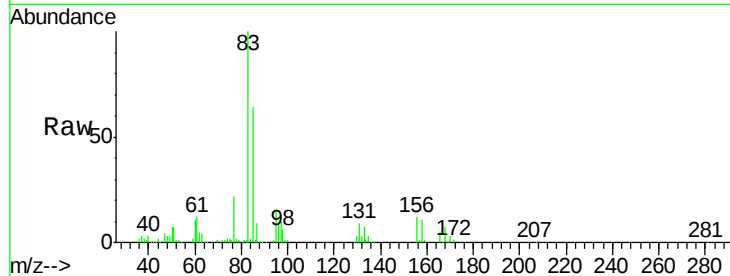
ClientSampleId :

VN0510WBS01

Tot Ion:	83	Resp:	154715
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.5
85	65.4	32.0	96.0

Manual Integrations
APPROVED

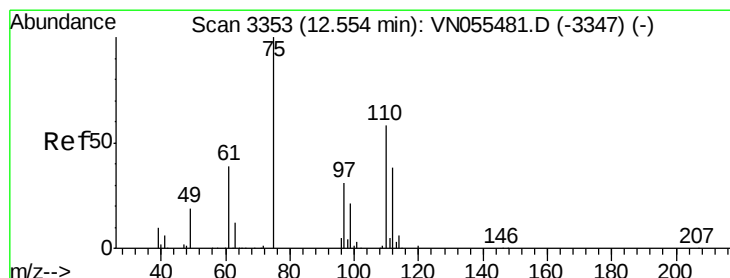
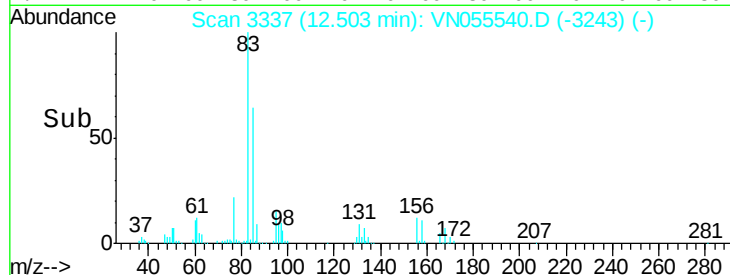
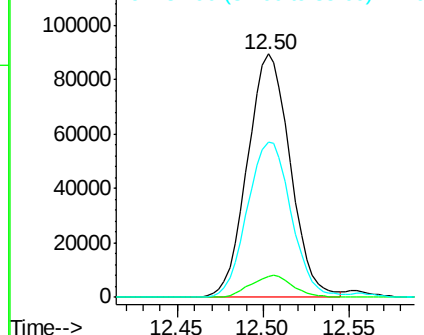
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Abundance Ion 82.90 (82.60 to 83.60): VN055540.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN055540.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN055540.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 15.083 ug/l m

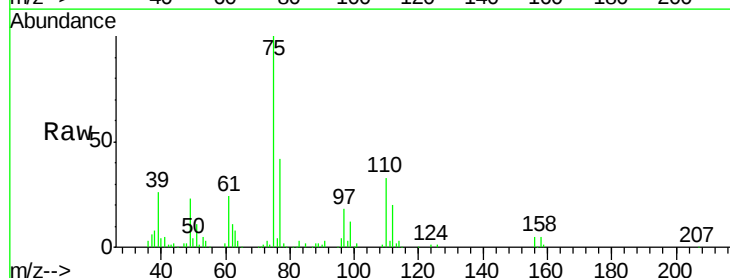
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055540.D

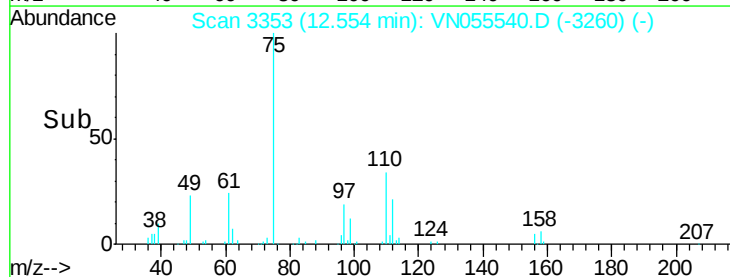
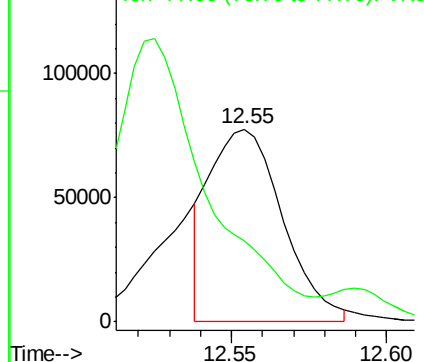
Acq: 10 May 2019 10:16

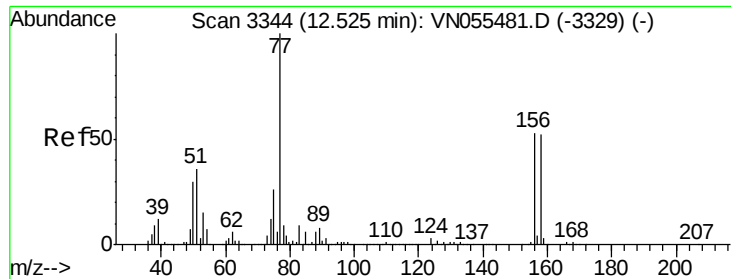
Tgt Ion:	75	Resp:	126851
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055540.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN055540.D (-3353) (-)





#77

Bromobenzene

Concen: 16.159 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Instrument :

MSVOA_N

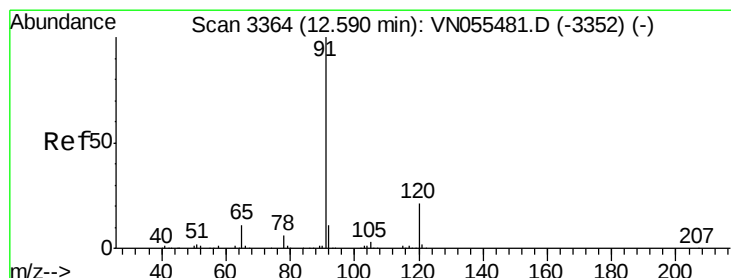
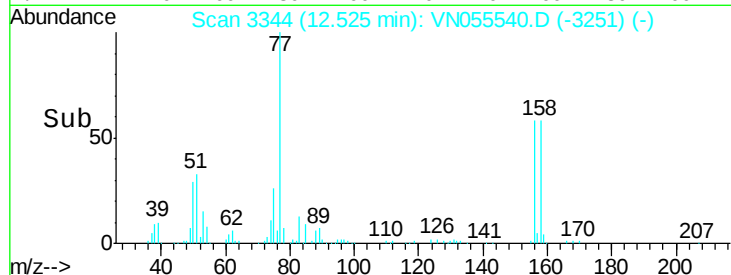
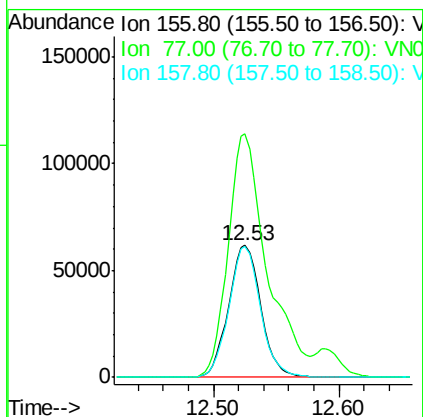
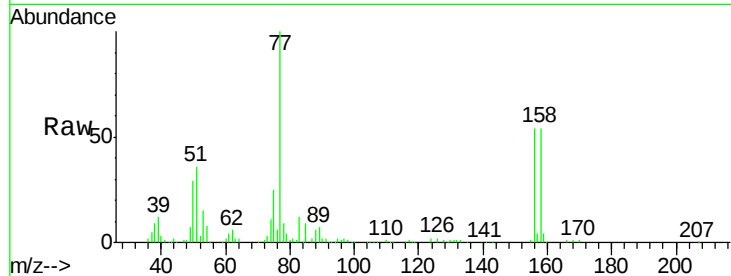
ClientSampleId :

VN0510WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	222.9	115.4	346.2
158	97.6	48.7	146.1

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#78

n-propylbenzene

Concen: 15.700 ug/l

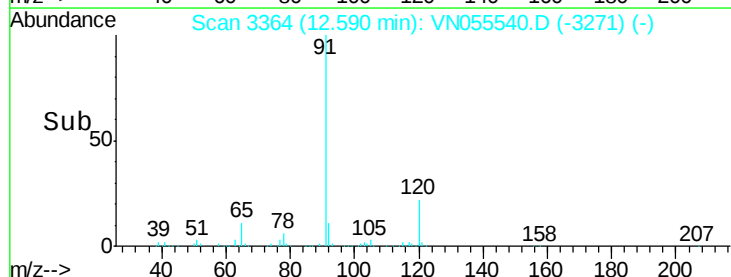
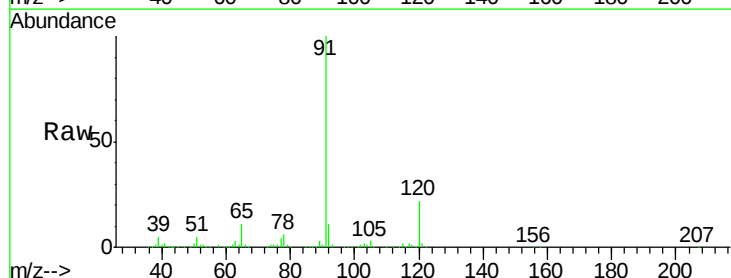
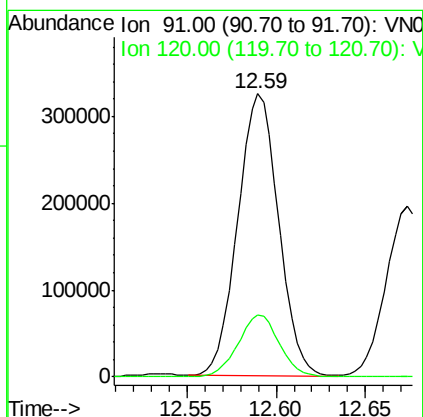
RT: 12.59 min Scan# 3364

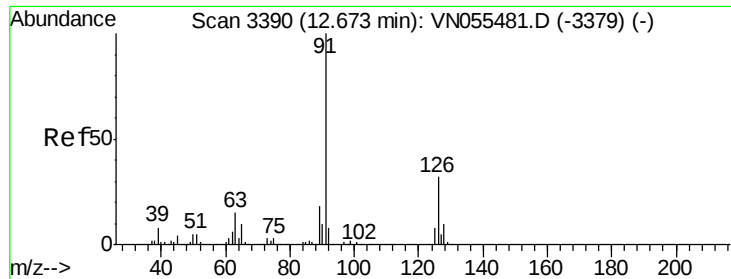
Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	10.8	32.3





#79

2-Chlorotoluene

Concen: 15.681 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS01

Tot Ion: 91 Resp: 323814

Ion Ratio Lower Upper

91 100

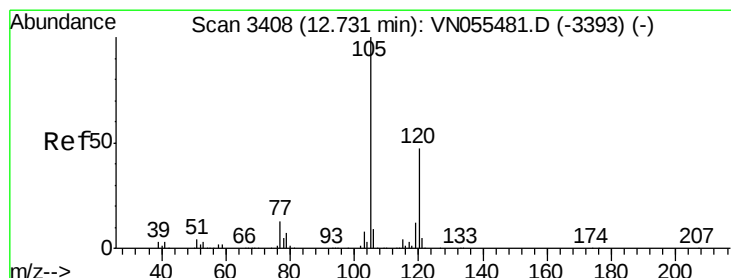
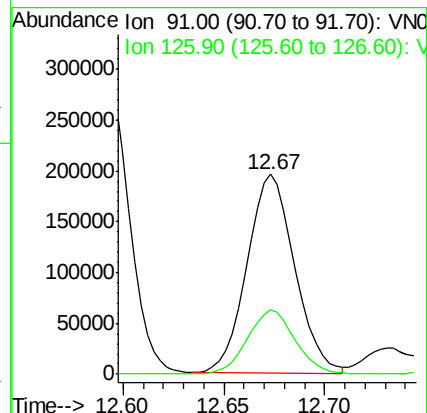
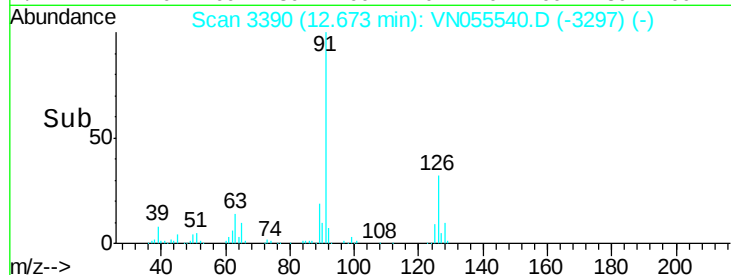
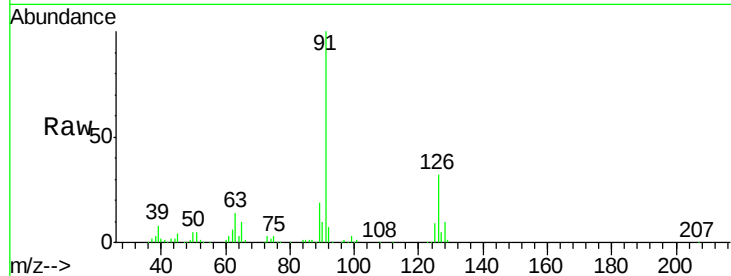
126 32.7 16.0 47.9

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#80

1,3,5-Trimethylbenzene

Concen: 15.840 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055540.D

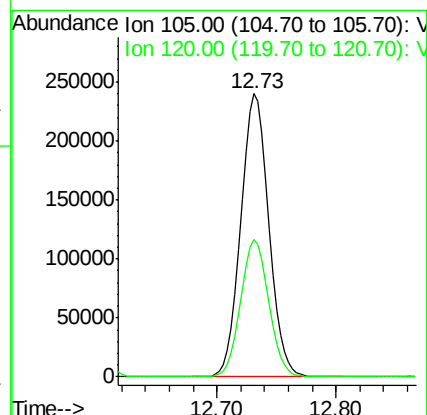
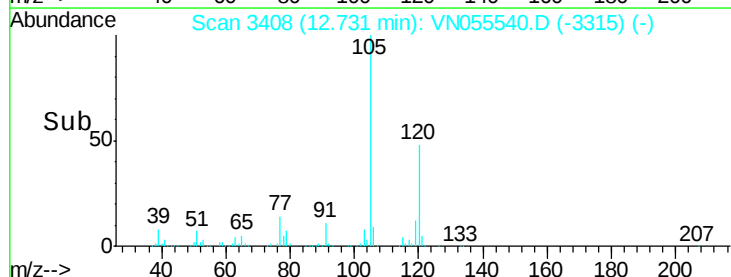
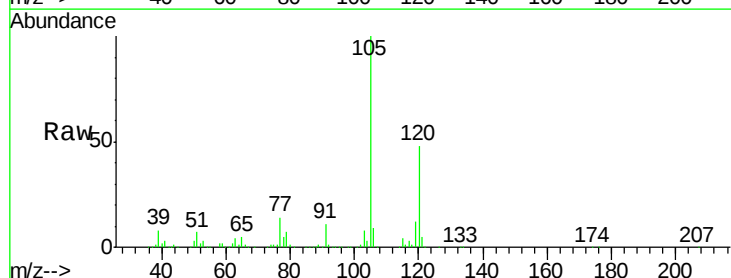
Acq: 10 May 2019 10:16

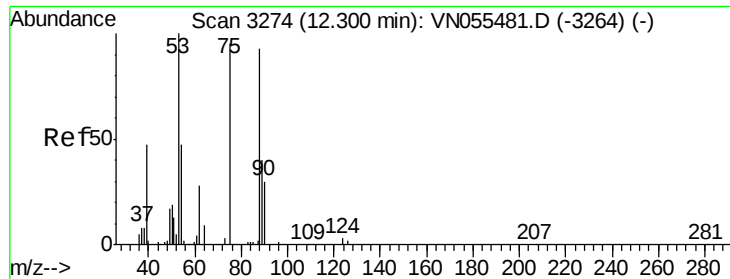
Tgt Ion: 105 Resp: 391361

Ion Ratio Lower Upper

105 100

120 48.6 23.4 70.0





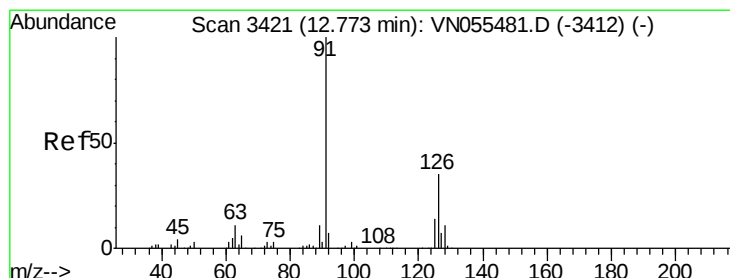
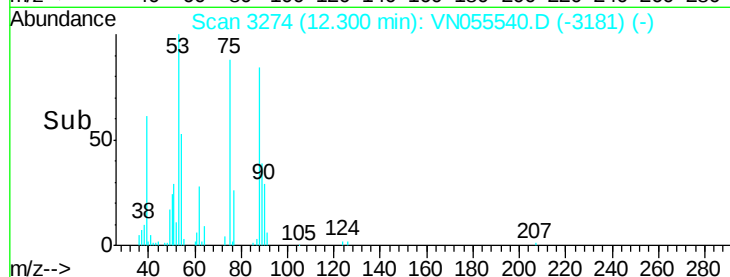
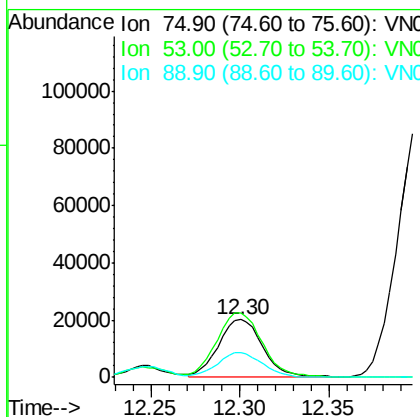
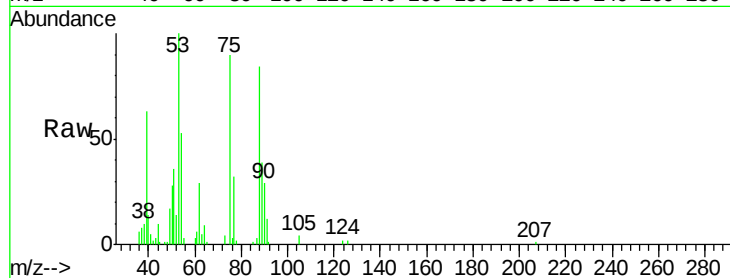
#81
trans-1,4-Dichloro-2-butene
Concen: 15.019 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.3	86.5	129.7
89	44.5	35.7	53.5

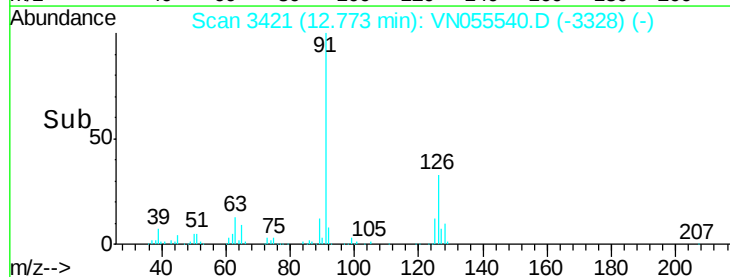
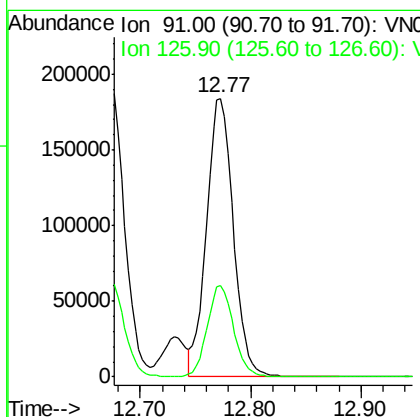
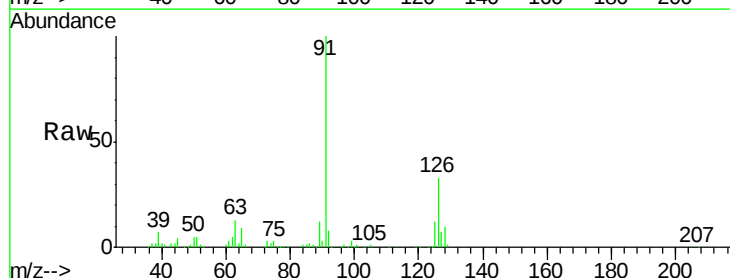
Manual Integrations
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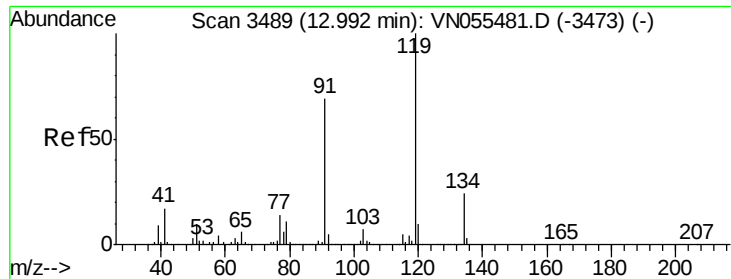
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#82
4-Chlorotoluene
Concen: 15.837 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.0





#83

tert-Butylbenzene

Concen: 16.071 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Instrument :

MSVOA_N

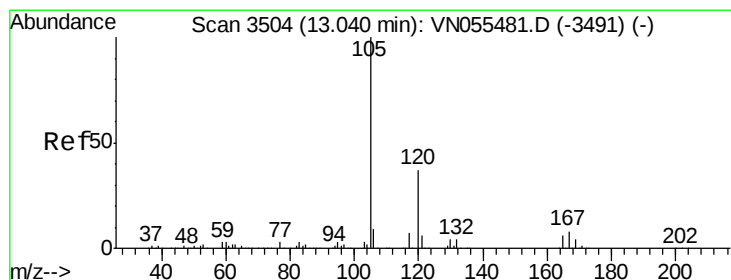
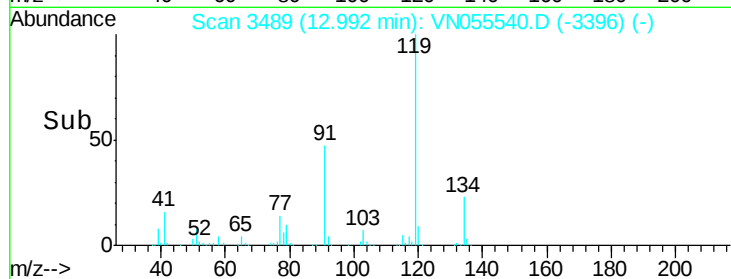
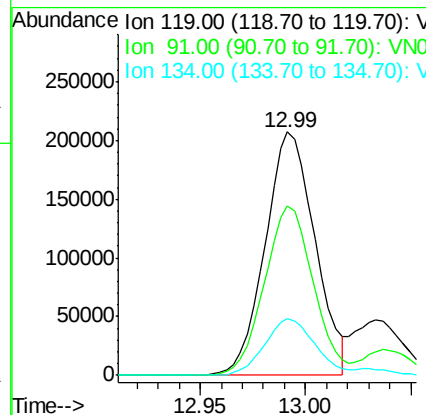
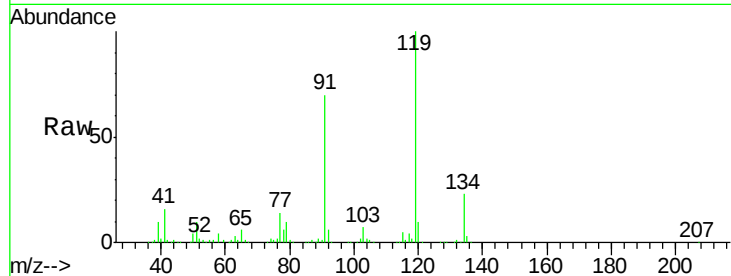
ClientSampled :

VN0510WBS01

Tot Ion:	119	Resp:	340333
Ion Ratio	Lower	Upper	
119	100		
91	68.4	33.8	101.3
134	23.7	12.5	37.5

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#84

1,2,4-Trimethylbenzene

Concen: 15.827 ug/l

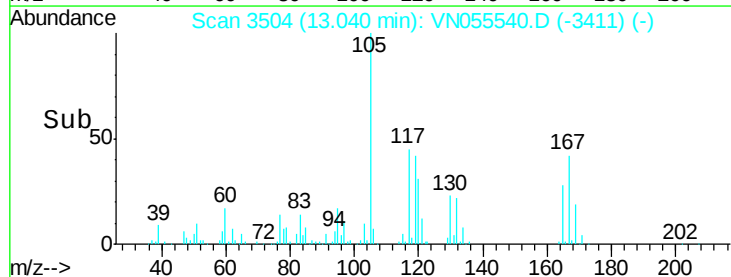
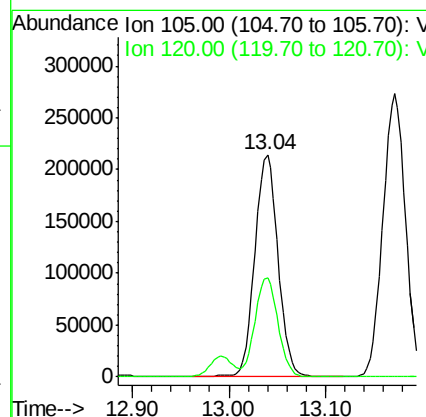
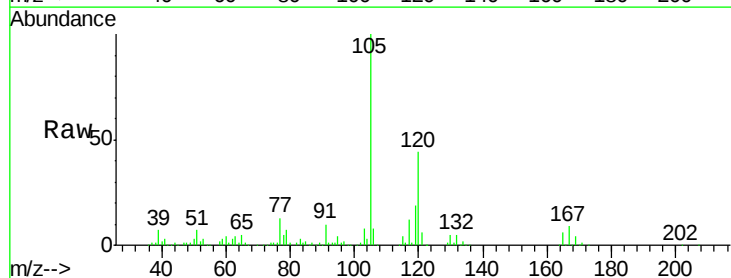
RT: 13.04 min Scan# 3504

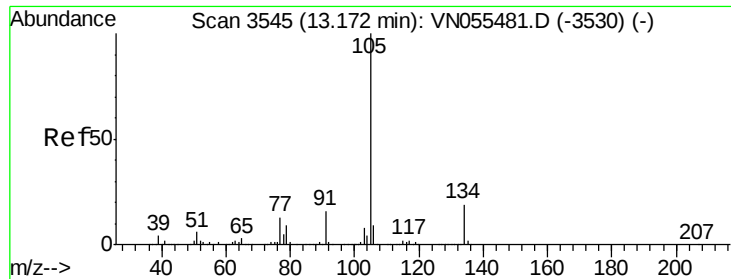
Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Tgt Ion:	105	Resp:	358630
Ion Ratio	Lower	Upper	
105	100		
120	44.4	22.1	66.5





#85

sec-Butylbenzene

Concen: 15.676 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS01

Tot Ion:105 Resp: 441210

Ion Ratio Lower Upper

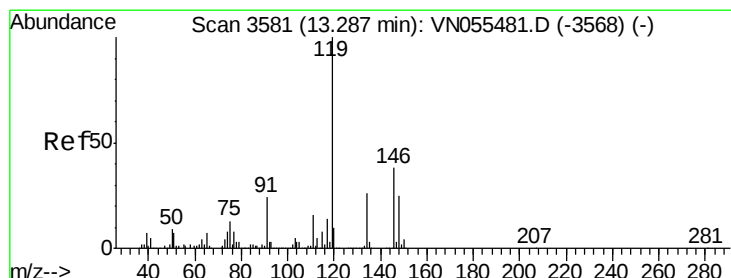
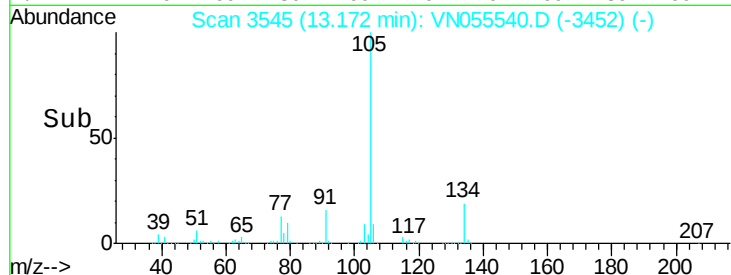
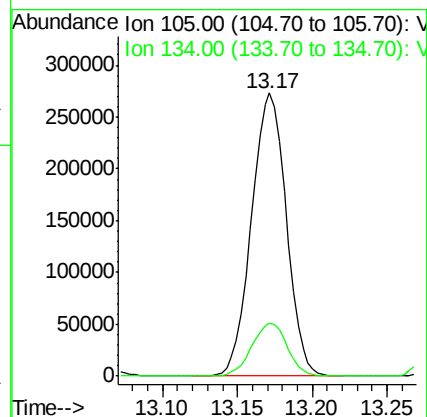
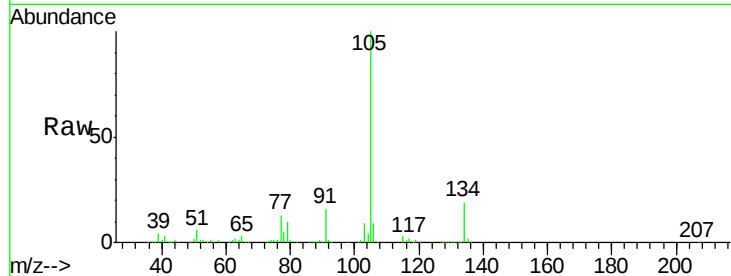
105 100

134 19.1 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 15.583 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

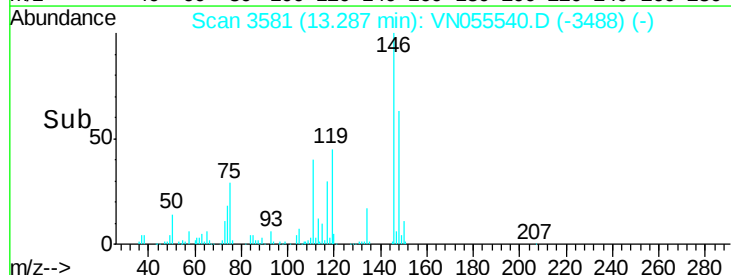
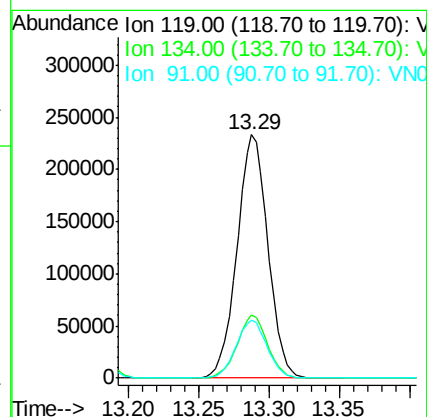
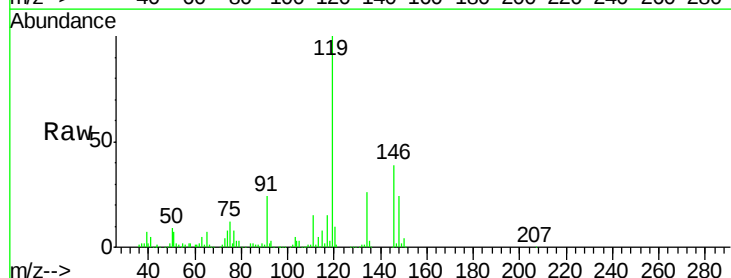
Tgt Ion:119 Resp: 356941

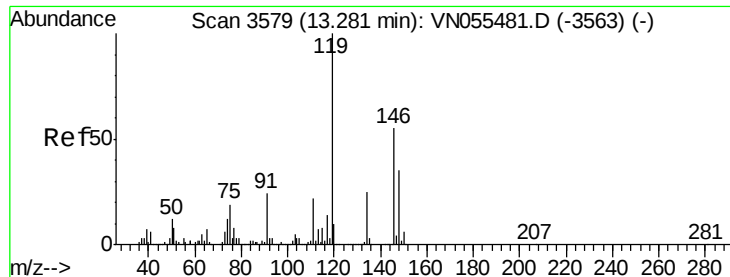
Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.4

91 24.0 12.0 36.0





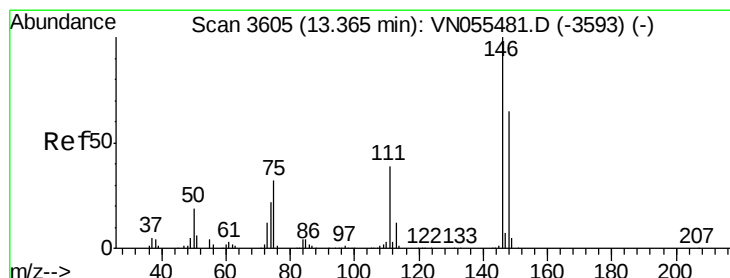
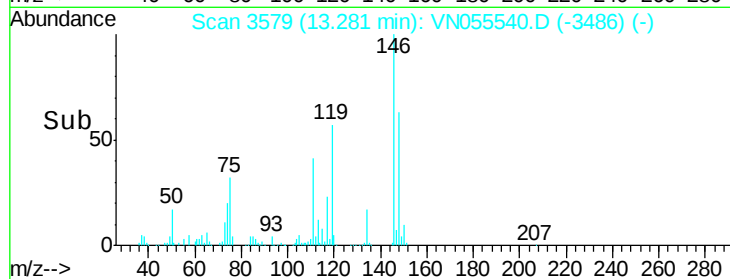
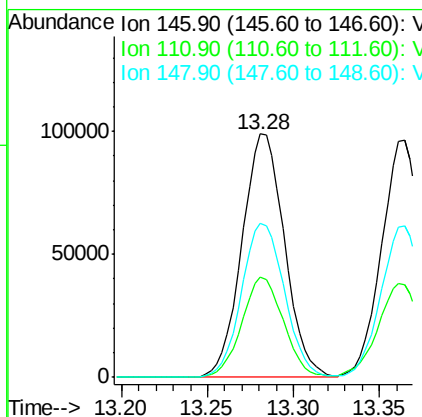
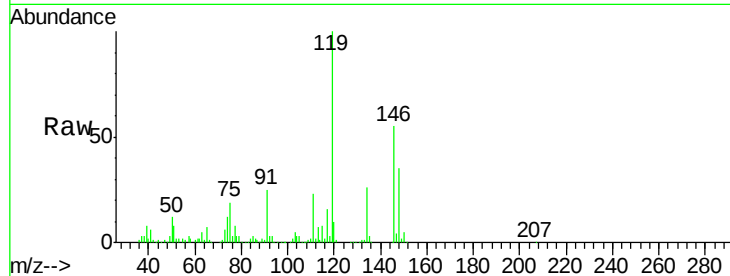
#87
 1,3-Dichlorobenzene
 Concen: 16.169 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0510WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.4	61.3
148	63.9	32.1	96.5

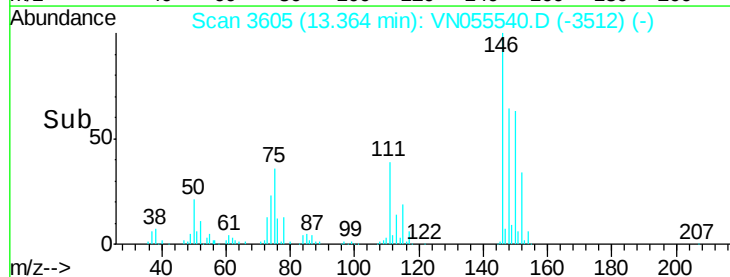
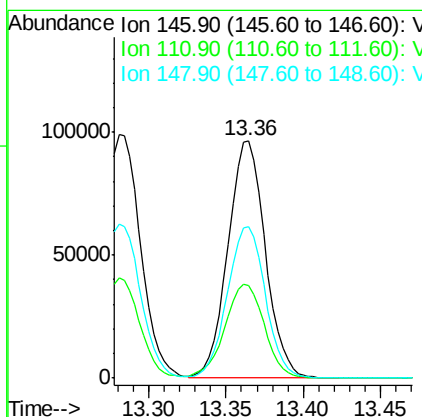
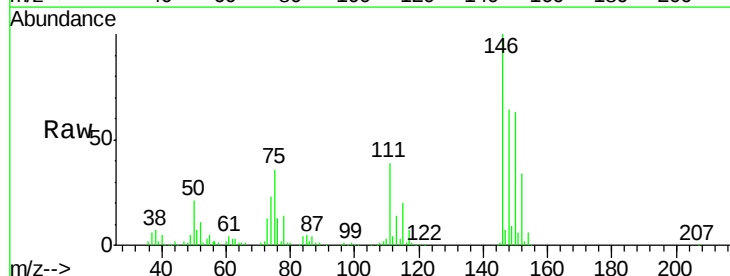
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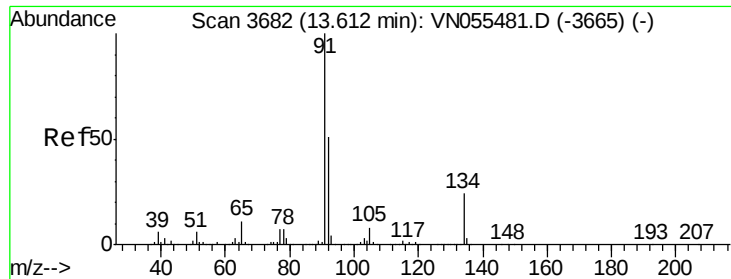
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#88
 1,4-Dichlorobenzene
 Concen: 15.607 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	19.6	58.8
148	65.2	32.5	97.4





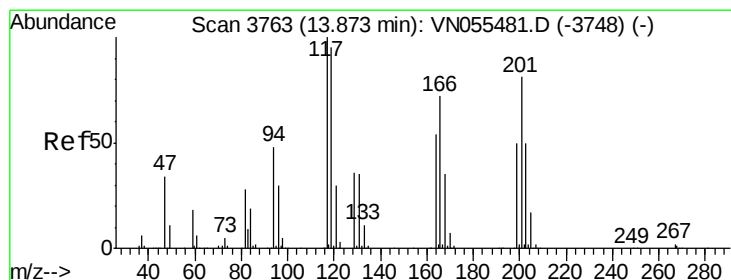
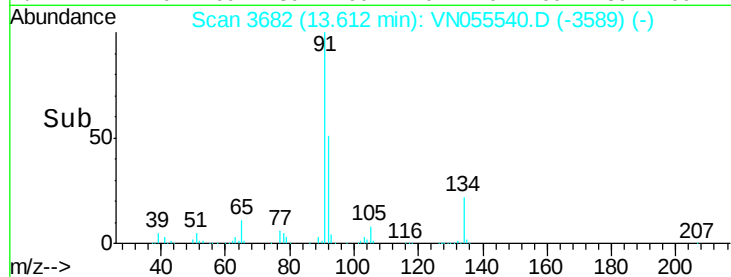
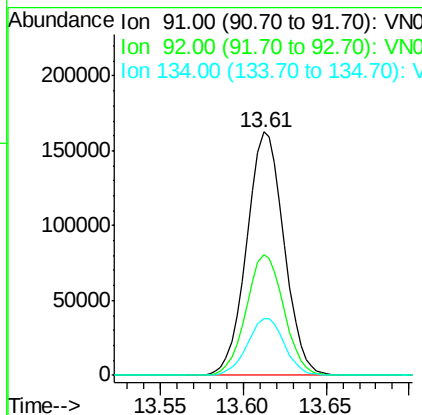
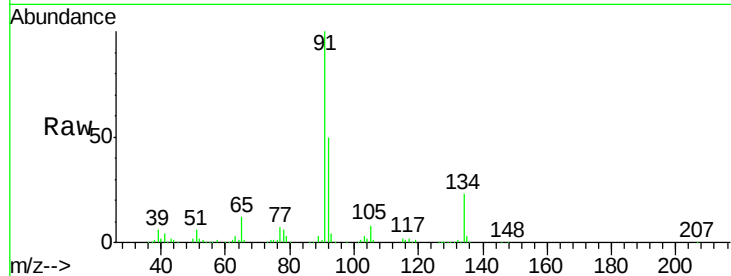
#89
n-Butylbenzene
Concen: 14.301 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	50.2	25.9	77.7	
134	23.3	11.8	35.4	

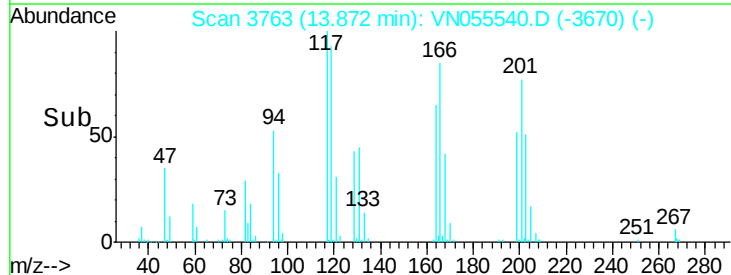
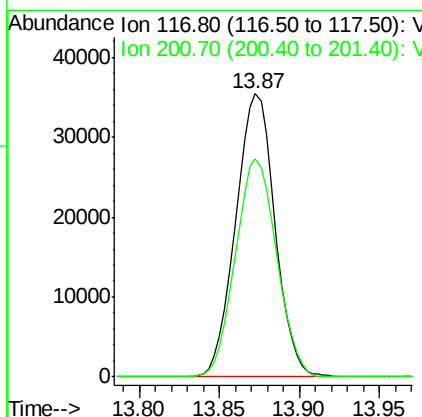
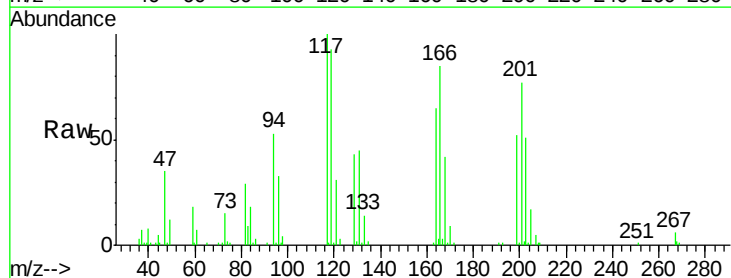
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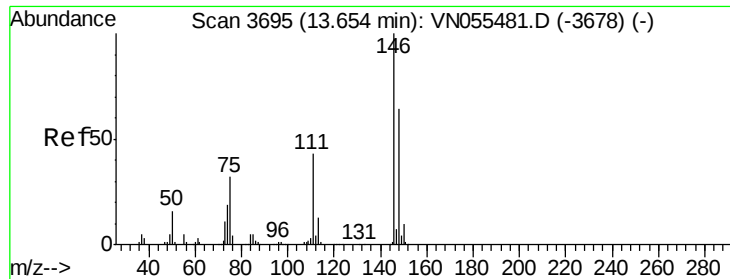
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#90
Hexachloroethane
Concen: 15.812 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055540.D
Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	81.0	40.1	120.2	





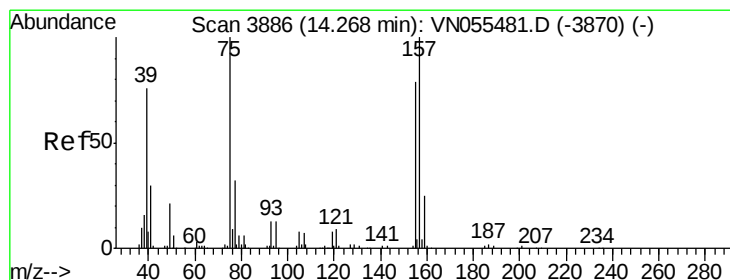
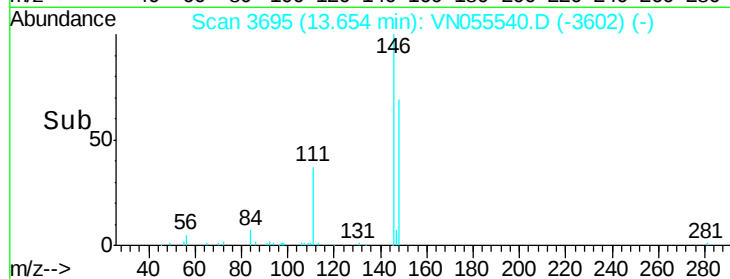
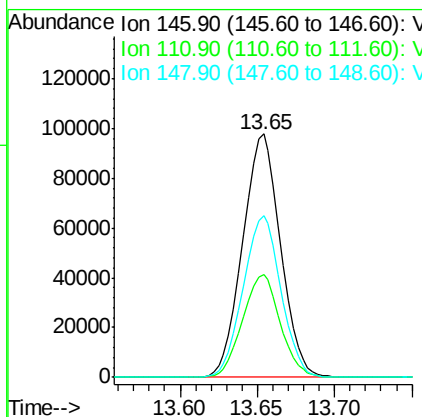
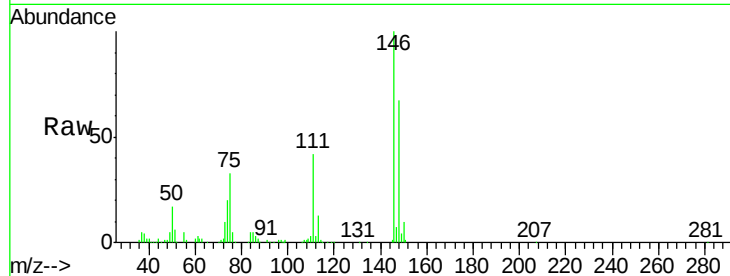
#91
 1,2-Dichlorobenzene
 Concen: 15.872 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	63.7
148	66.2	31.9	95.9

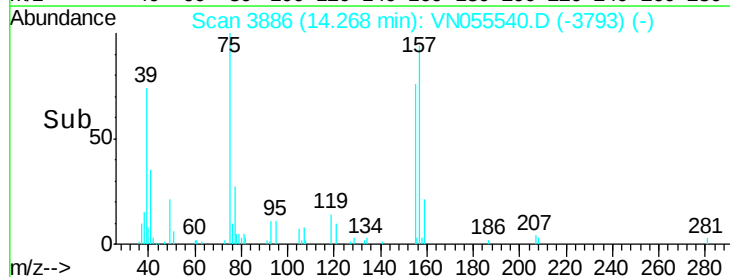
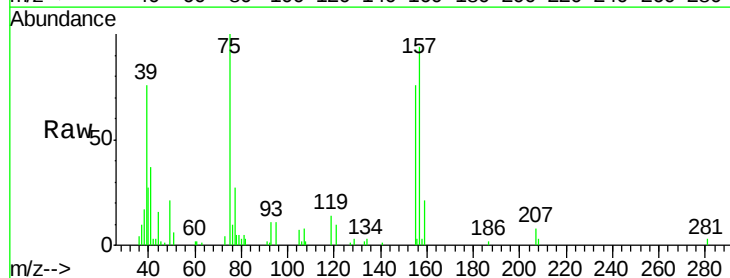
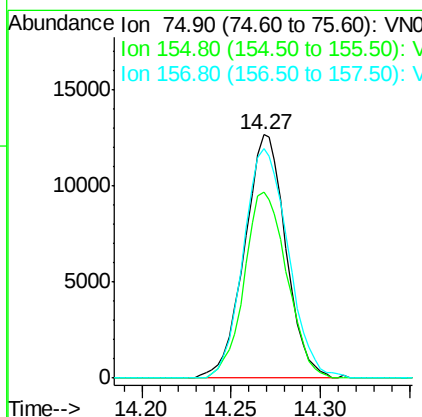
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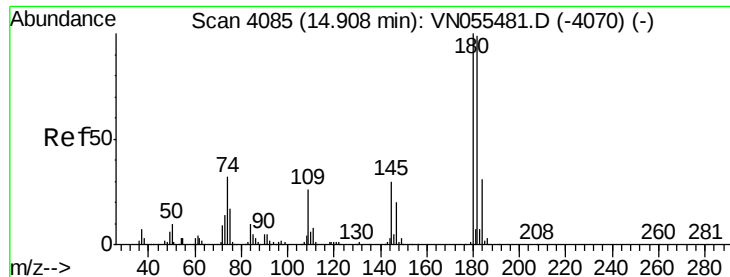
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.454 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	39.3	117.8
157	102.0	50.6	151.8





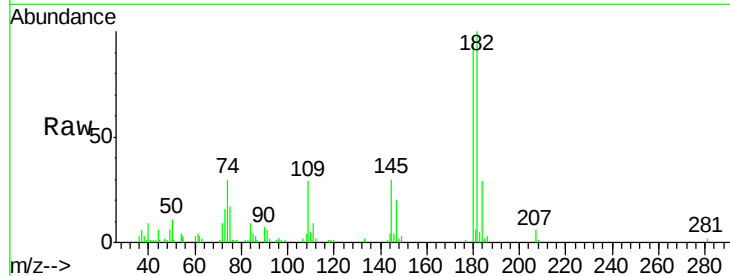
#93
 1,2,4-Trichlorobenzene
 Concen: 12.573 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0510WBS01

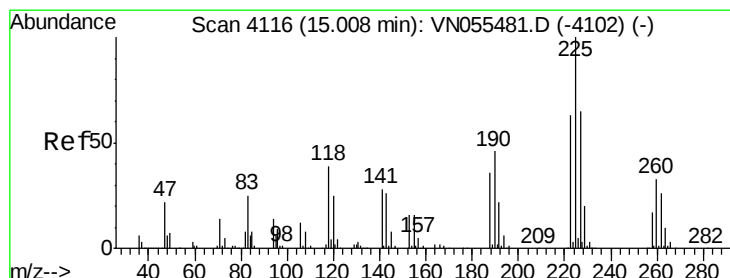
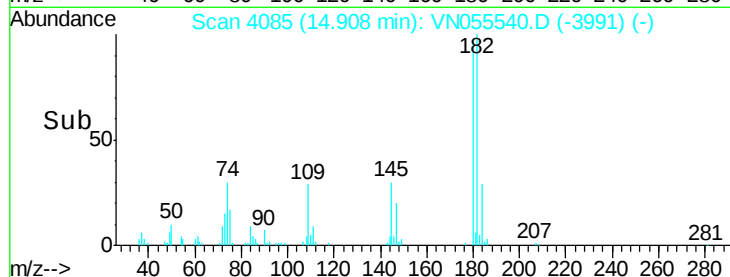
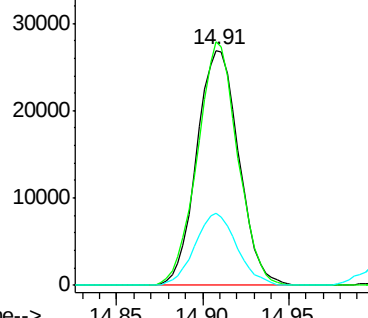
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.2	48.7	146.1	
145	30.6	15.3	45.9	

Manual Integrations
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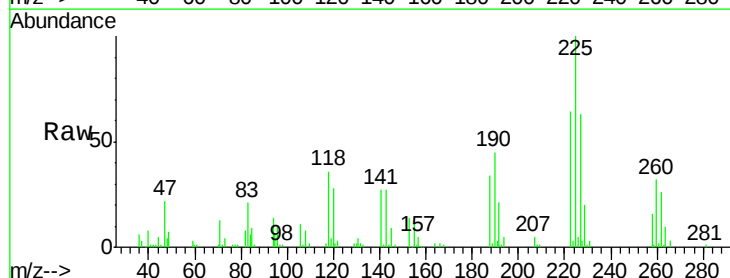


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

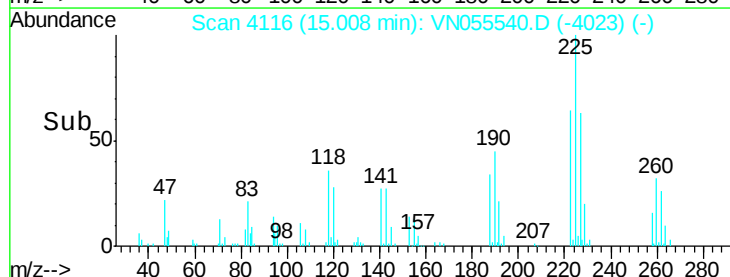
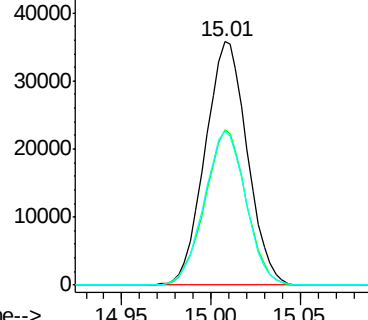


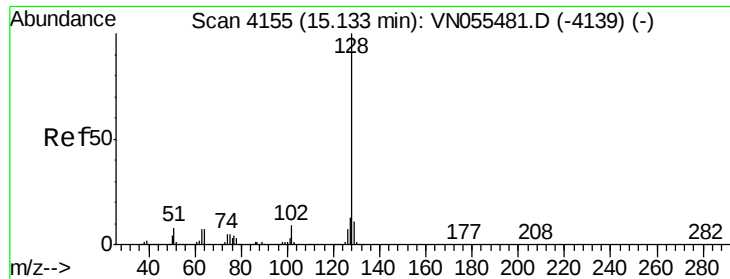
#94
 Hexachlorobutadiene
 Concen: 17.495 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055540.D
 Acq: 10 May 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.2	31.4	94.3	
227	62.4	32.0	96.0	



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: 12.754 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Instrument :

MSVOA_N

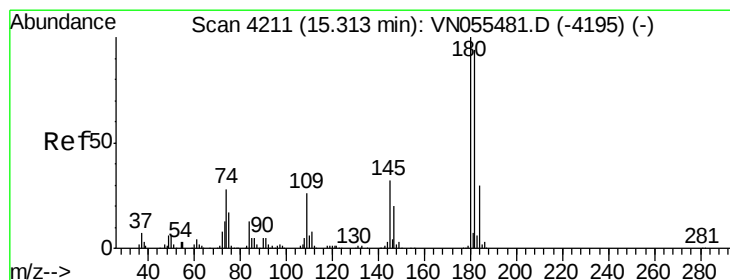
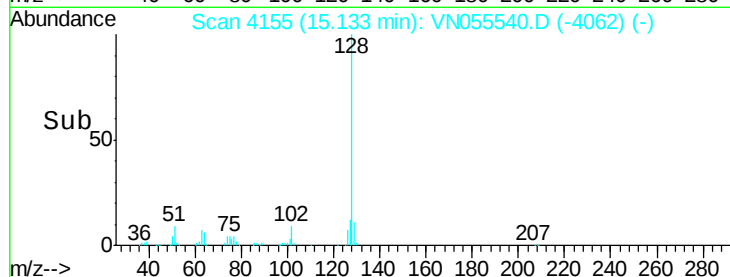
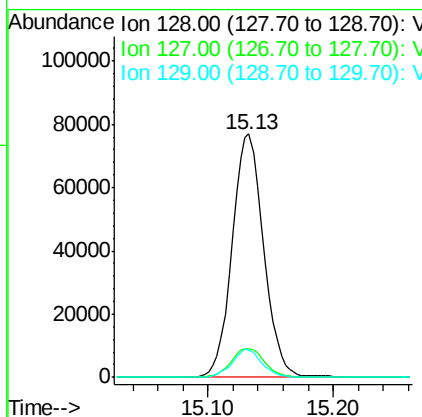
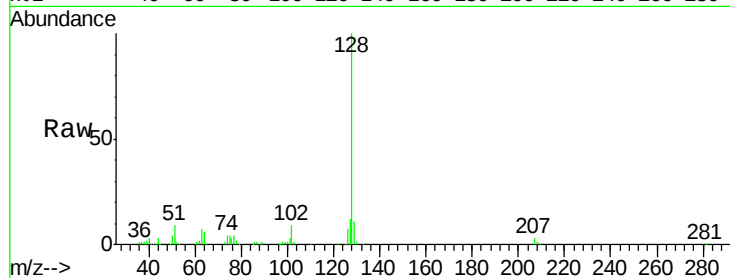
ClientSampleId :

VN0510WBS01

Tot Ion:	128	Resp:	134348
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.0	15.0
129	10.7	8.8	13.2

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#96

1,2,3-Trichlorobenzene

Concen: 12.785 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055540.D

Acq: 10 May 2019 10:16

Tgt Ion:	180	Resp:	53988
Ion Ratio	Lower	Upper	
180	100		
182	92.5	47.1	141.3
145	31.1	15.8	47.4

