

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051319\
 Data File : VN055566.D
 Acq On : 13 May 2019 9:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 9:37:52 AM

Quant Time: May 14 01:58:14 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	7.66	168	711100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1171274	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1036198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	429766	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	471762	44.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.12%	
35) Dibromofluoromethane	7.59	113	377987	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	10.09	98	1468062	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.40	95	499667	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	315706	43.607	ug/l	98
3) Chloromethane	2.06	50	491909	41.823	ug/l	98
4) Vinyl Chloride	2.19	62	493061	44.409	ug/l	100
5) Bromomethane	2.54	94	279264	45.907	ug/l	98
6) Chloroethane	2.69	64	305113	47.179	ug/l	97
7) Trichlorofluoromethane	3.01	101	582354	47.811	ug/l	100
8) Diethyl Ether	3.41	74	253314	46.308	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	373228	48.162	ug/l	98
10) Methyl Iodide	3.94	142	471241	44.991	ug/l	99
11) Tert butyl alcohol	4.81	59	309269	195.632	ug/l	99
12) 1,1-Dichloroethene	3.73	96	360983	46.447	ug/l	99
13) Acrolein	3.60	56	275732	261.706	ug/l	98
14) Allyl chloride	4.32	41	719833	45.215	ug/l	98
15) Acrylonitrile	4.99	53	1058611	216.259	ug/l	100
16) Acetone	3.82	43	1182073	238.438	ug/l	97
17) Carbon Disulfide	4.04	76	985262	46.449	ug/l	100
18) Methyl Acetate	4.33	43	447086	42.816	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	1182069	45.773	ug/l	99
20) Methylene Chloride	4.54	84	447608	44.154	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	401431	47.640	ug/l	93
22) Diisopropyl ether	5.95	45	1522731	47.067	ug/l	98
23) Vinyl Acetate	5.89	43	5838040	233.337	ug/l	99
24) 1,1-Dichloroethane	5.85	63	807316	46.227	ug/l	100
25) 2-Butanone	6.84	43	1525714	222.788	ug/l	98
26) 2,2-Dichloropropane	6.82	77	552735	50.770	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	466019	47.854	ug/l	99
28) Bromochloromethane	7.19	49	414756	45.731	ug/l	96
29) Tetrahydrofuran	7.21	42	925891	204.514	ug/l	99
30) Chloroform	7.37	83	757502	46.919	ug/l	99
31) Cyclohexane	7.65	56	758065	43.871	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	595659	48.449	ug/l	100
36) 1,1-Dichloropropene	7.79	75	578879	50.167	ug/l	98
37) Ethyl Acetate	6.93	43	566967	45.043	ug/l	99
38) Carbon Tetrachloride	7.77	117	496874	51.138	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	690515	49.080	ug/l	99
40) Benzene	8.04	78	1792713	50.058	ug/l	99
41) Methacrylonitrile	7.17	41	272568	46.655	ug/l	94
42) 1,2-Dichloroethane	8.12	62	597502	47.489	ug/l	99
43) Isopropyl Acetate	8.16	43	895264	46.816	ug/l	98
44) Trichloroethene	8.83	130	430371	50.506	ug/l	96
45) 1,2-Dichloropropane	9.12	63	504871	49.271	ug/l	99
46) Dibromomethane	9.21	93	293577	49.429	ug/l	98
47) Bromodichloromethane	9.40	83	588383	51.783	ug/l	97
48) Methyl methacrylate	9.20	41	422389	45.844	ug/l	97
49) 1,4-Dioxane	9.20	88	159765	889.678	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	2809232	223.364	ug/l	99
52) Toluene	10.15	92	1067981	52.163	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	596109	54.624	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	707842	54.281	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	412097	49.678	ug/l	99
56) Ethyl methacrylate	10.43	69	600865	48.697	ug/l	98
57) 1,3-Dichloropropane	10.71	76	735462	49.940	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	824509	201.081	ug/l	100
59) 2-Hexanone	10.75	43	1989751	225.590	ug/l	99
60) Dibromochloromethane	10.90	129	410058	54.369	ug/l	99
61) 1,2-Dibromoethane	11.00	107	409876	51.426	ug/l	99
64) Tetrachloroethene	10.63	164	409252	48.200	ug/l	98
65) Chlorobenzene	11.43	112	1080429	50.681	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	393580	53.627	ug/l	99
67) Ethyl Benzene	11.51	91	2005664	50.093	ug/l	100
68) m/p-Xylenes	11.62	106	1481864	103.130	ug/l	99
69) o-Xylene	11.95	106	717021	50.770	ug/l	99
70) Styrene	11.96	104	1221509	53.986	ug/l	98
71) Bromoform	12.12	173	268521	54.219	ug/l #	99
73) Isopropylbenzene	12.25	105	1928350	54.649	ug/l	100
74) N-amyl acetate	12.07	43	711137	43.584	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	574905	49.891	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	505388m	43.197	ug/l	
77) Bromobenzene	12.53	156	441904	46.658	ug/l	96
78) n-propylbenzene	12.59	91	2205353	47.844	ug/l	100
79) 2-Chlorotoluene	12.67	91	1326056	46.161	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1612162	46.905	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	147415	46.492	ug/l	97
82) 4-Chlorotoluene	12.77	91	1303163	48.009	ug/l	98
83) tert-Butylbenzene	12.99	119	1342969	45.585	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1542161	48.923	ug/l	99
85) sec-Butylbenzene	13.17	105	1828472	46.700	ug/l	99
86) p-Isopropyltoluene	13.29	119	1564456	49.096	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	742449	50.731	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	726152	50.276	ug/l	99
89) n-Butylbenzene	13.61	91	1255970	50.850	ug/l	100
90) Hexachloroethane	13.87	117	255033	49.064	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	729948	49.905	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	87791	44.423	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri May 10 06:48:32 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	290377	45.877	ug/l	99
94) Hexachlorobutadiene	15.01	225	232250	53.834	ug/l	99
95) Naphthalene	15.13	128	732653	41.423	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	313532	45.682	ug/l	99

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

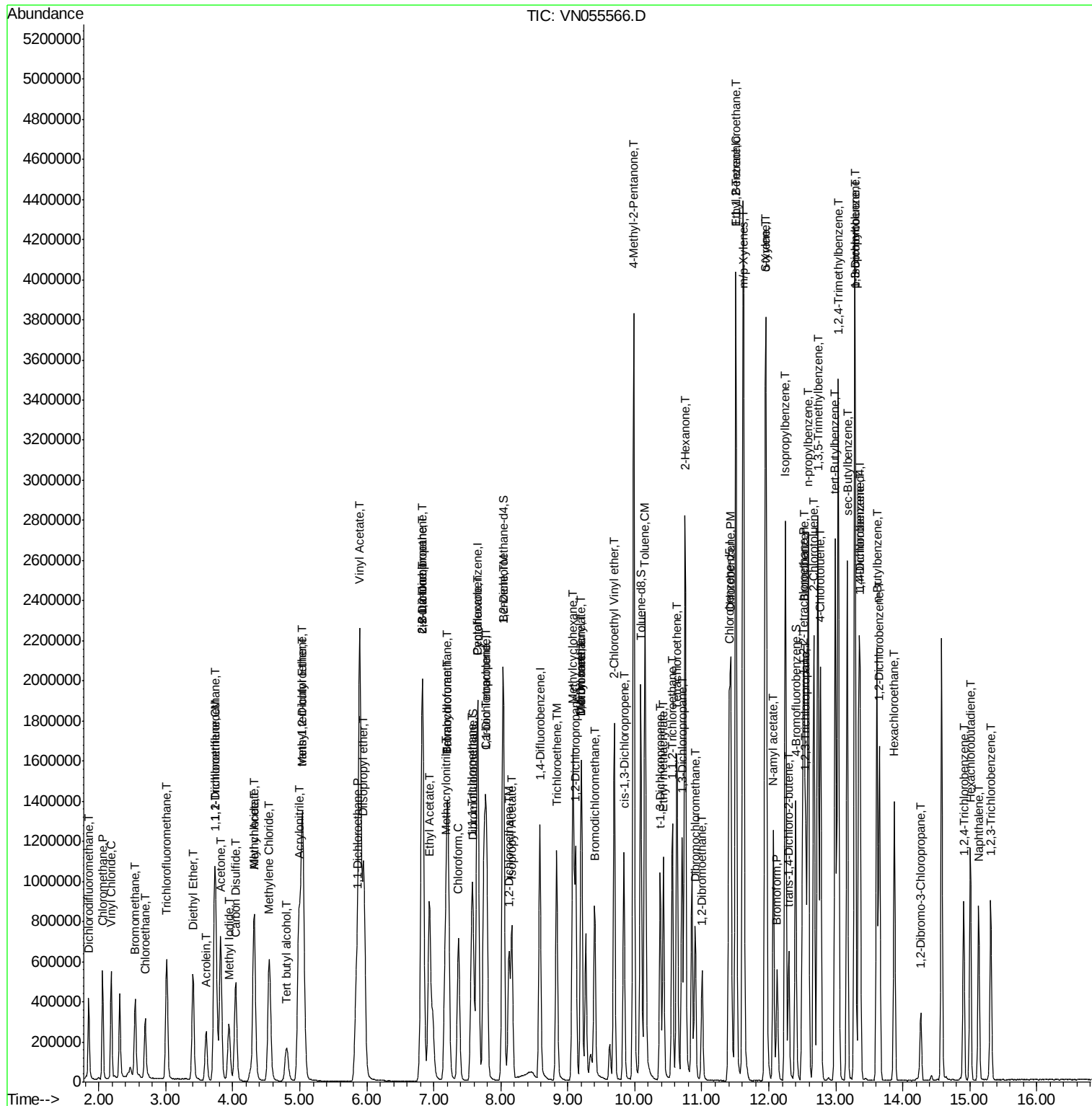
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051319\
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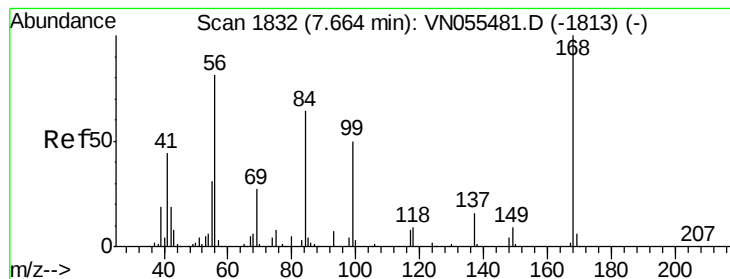
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 711100

Ion Ratio Lower Upper

168 100

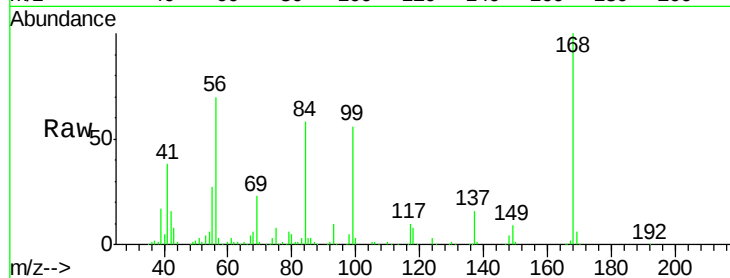
99 55.5 47.0 70.4

Manual Integrations

APPROVED

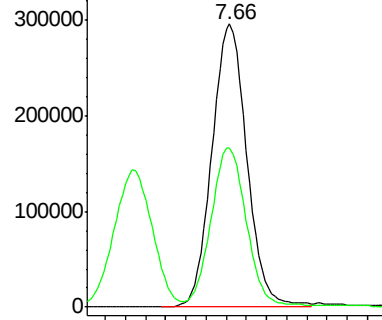
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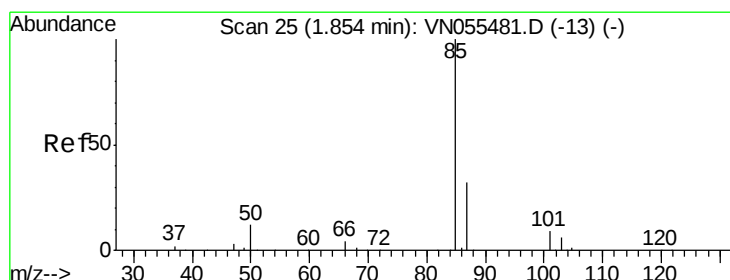
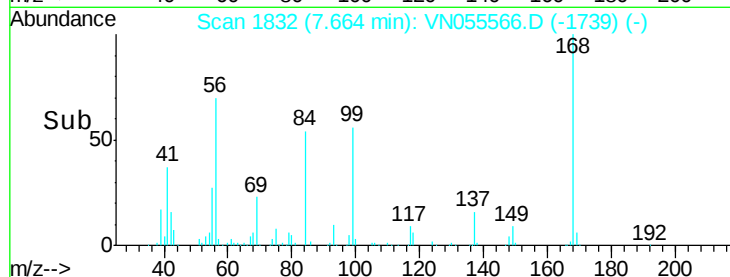


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



Time-->



#2

Dichlorodifluoromethane

Concen: 43.607 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055566.D

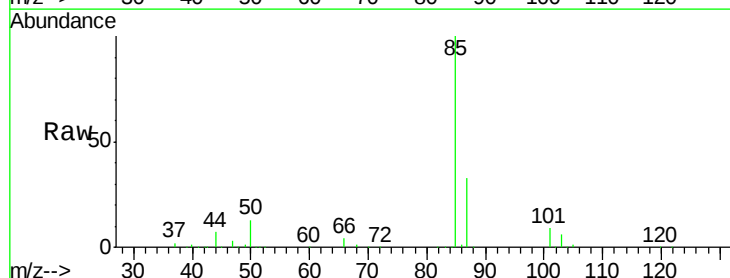
Acq: 13 May 2019 9:30

Tgt Ion: 85 Resp: 315706

Ion Ratio Lower Upper

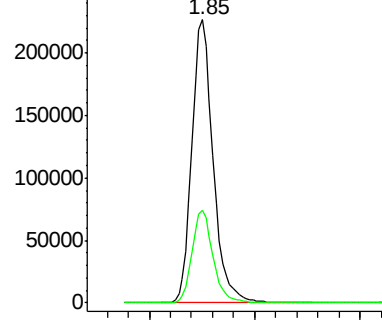
85 100

87 32.9 16.0 48.0

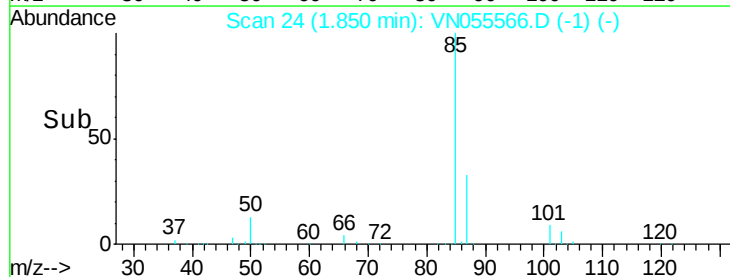


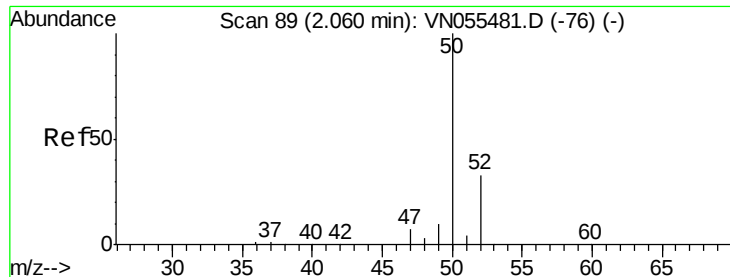
Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO



Time-->





#3

Chloromethane

Concen: 41.823 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 491909

Ion Ratio Lower Upper

50 100

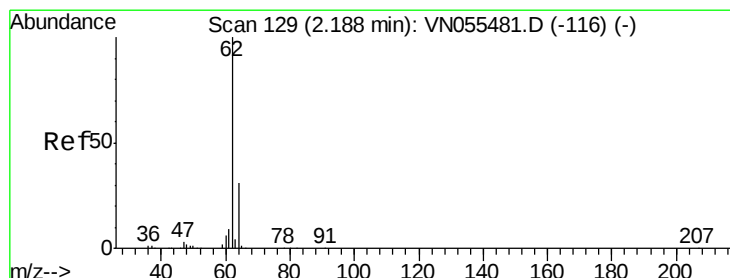
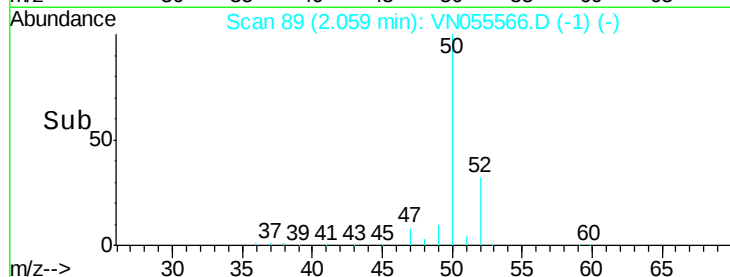
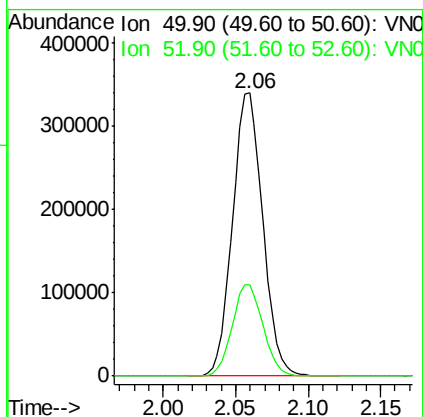
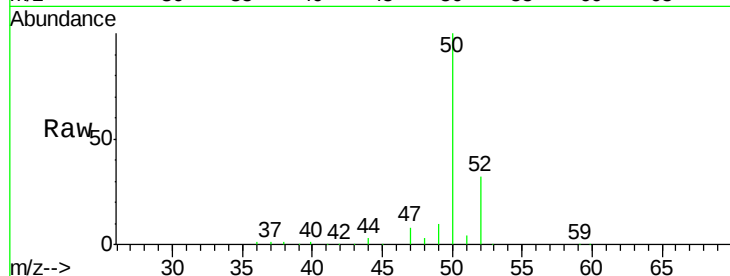
52 32.1 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.409 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055566.D

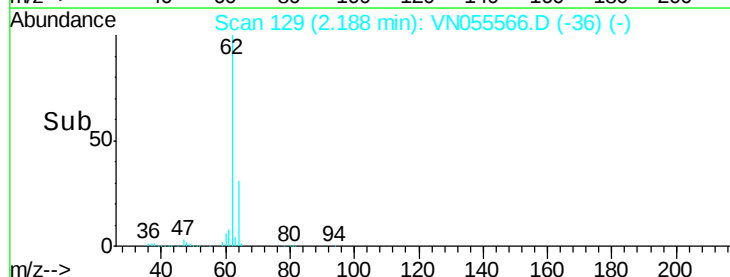
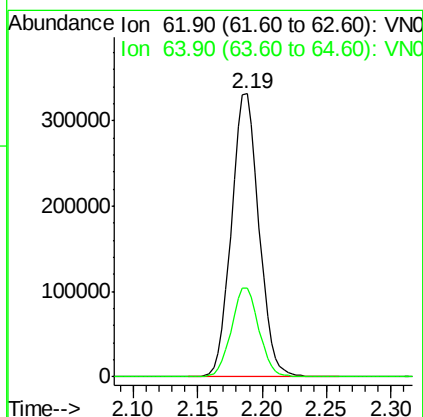
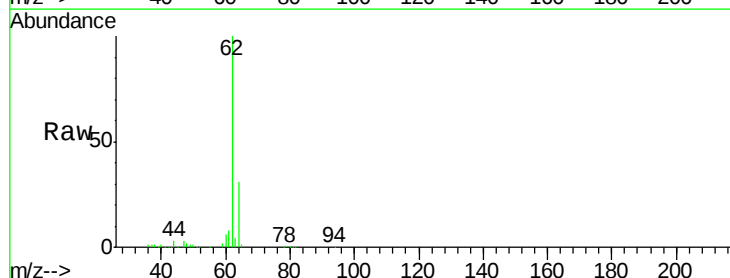
Acq: 13 May 2019 9:30

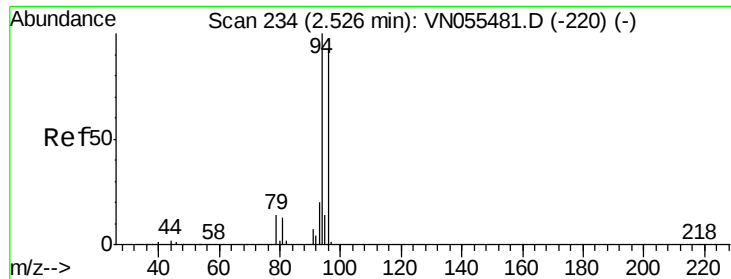
Tgt Ion: 62 Resp: 493061

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.6





#5

Bromomethane

Concen: 45.907 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.02 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Instrument :

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Tot Ion: 94 Resp: 279264

Ion Ratio Lower Upper

94 100

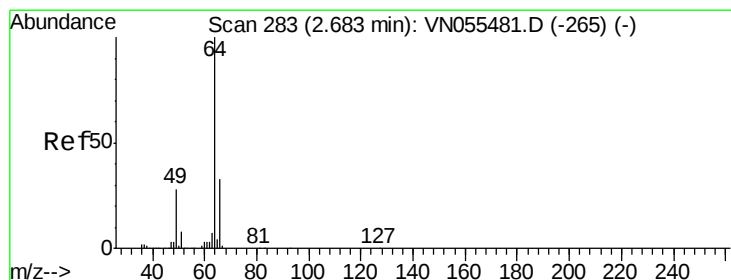
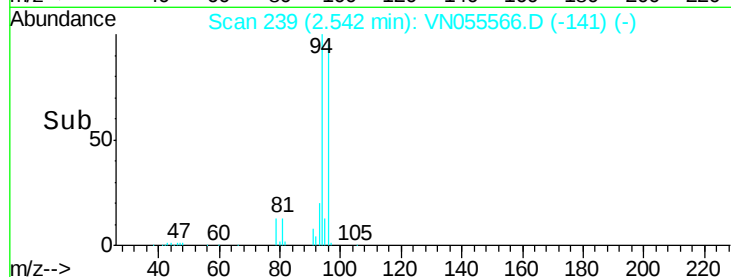
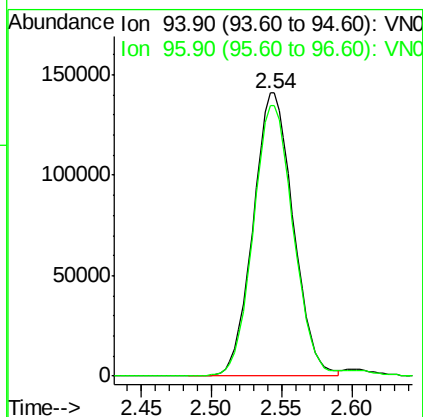
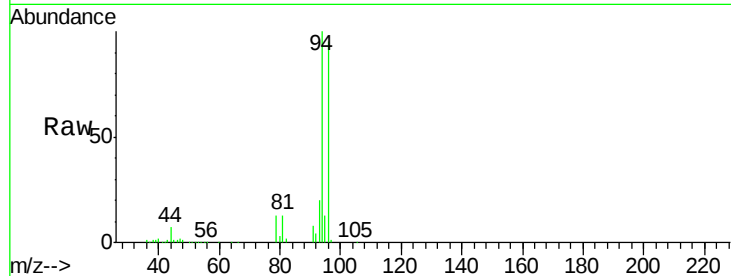
96 95.6 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 47.179 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN055566.D

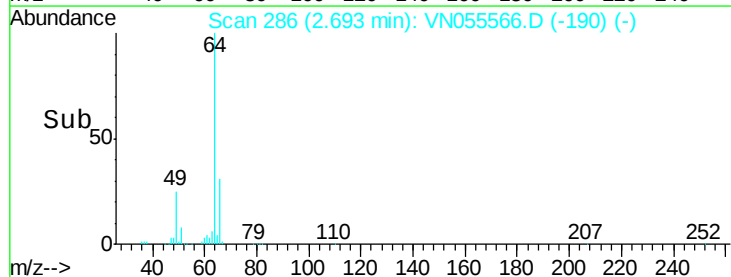
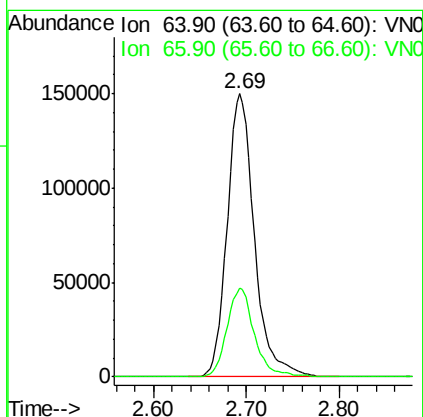
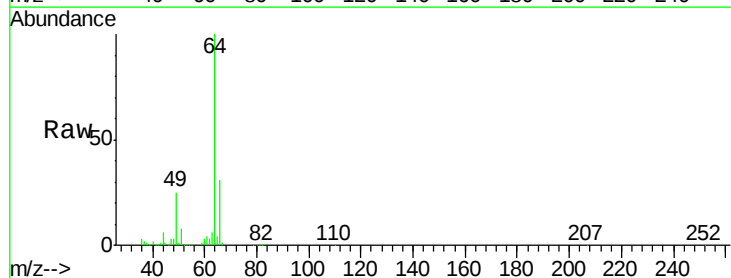
Acq: 13 May 2019 9:30

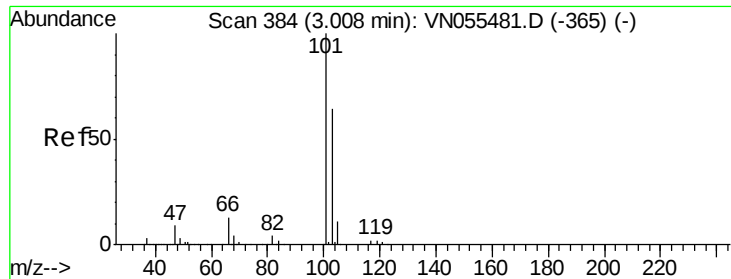
Tgt Ion: 64 Resp: 305113

Ion Ratio Lower Upper

64 100

66 31.3 26.2 39.2





#7

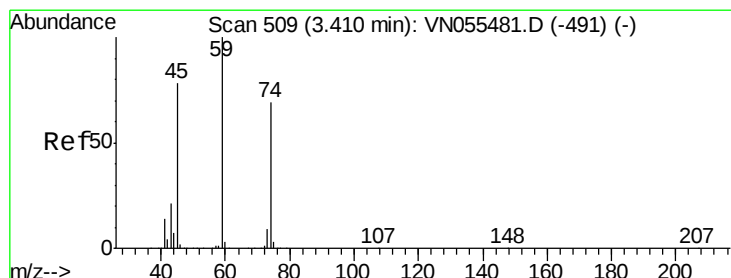
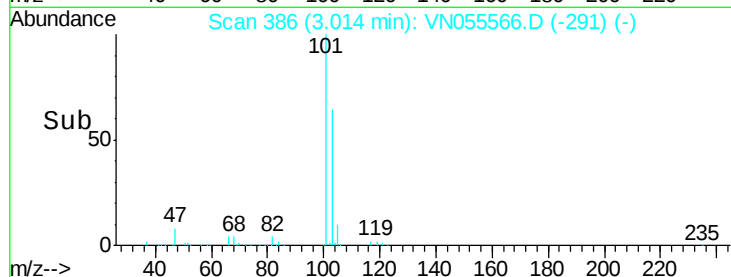
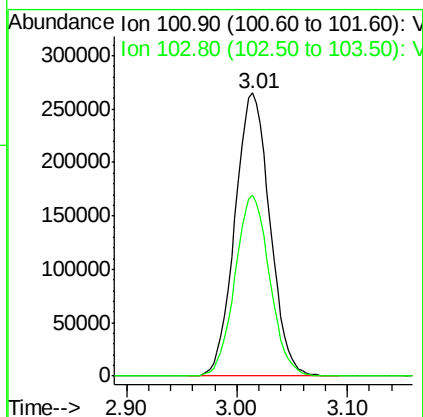
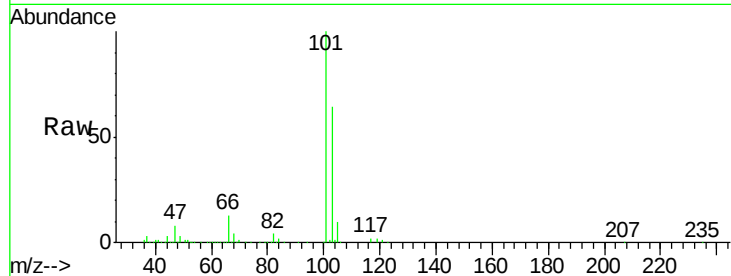
Trichlorofluoromethane
 Concen: 47.811 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	582354		
103	63.8	51.2	76.8	

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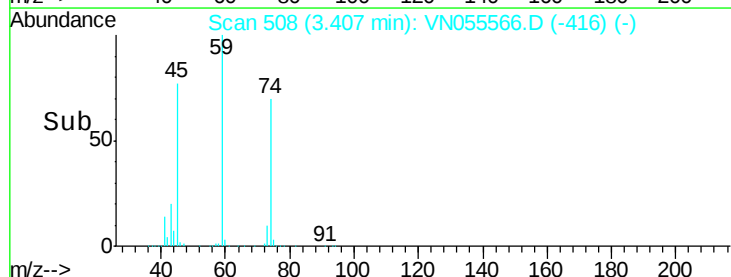
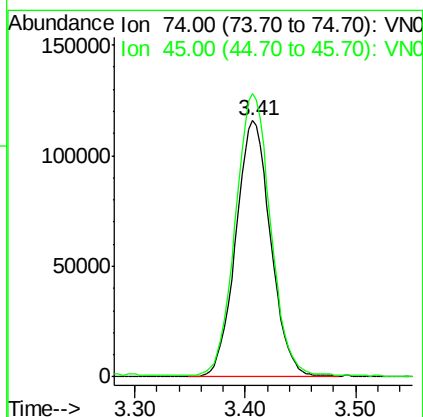
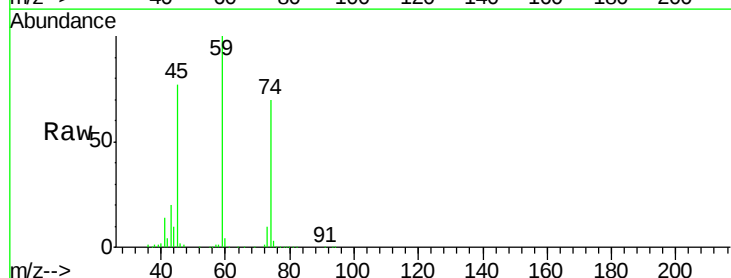
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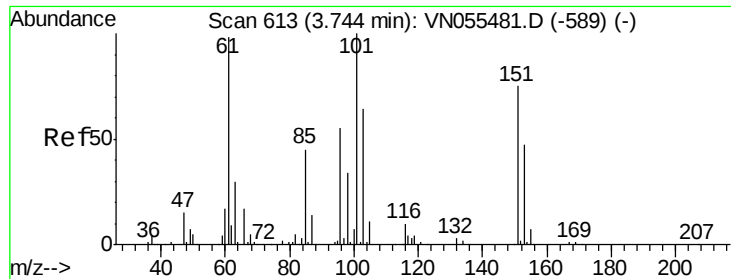


#8

Diethyl Ether
 Concen: 46.308 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	253314		
45	111.4	58.1	174.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.162 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Instrument :

MSVOA_N

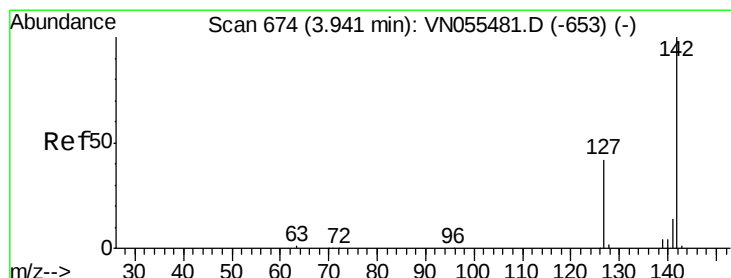
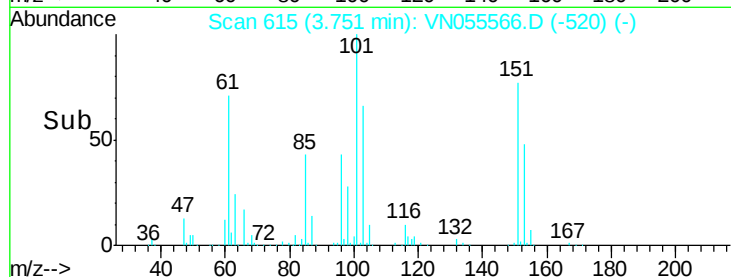
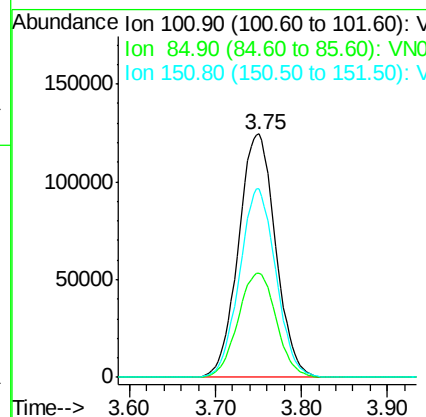
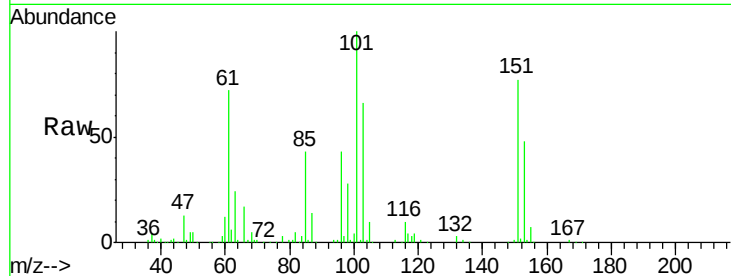
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	373228
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.5	53.3
151	76.2	59.2	88.8

Manual Integrations
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MMDadoda
5/14/2019 9:37:52 AM



#10

Methyl Iodide

Concen: 44.991 ug/l

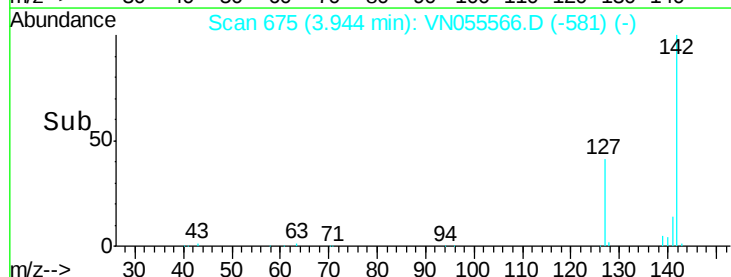
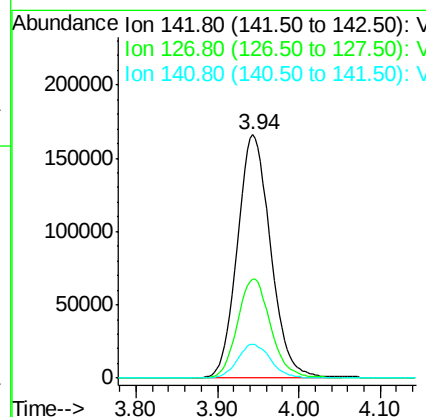
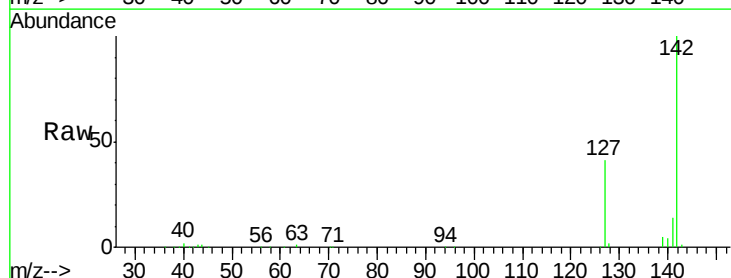
RT: 3.94 min Scan# 675

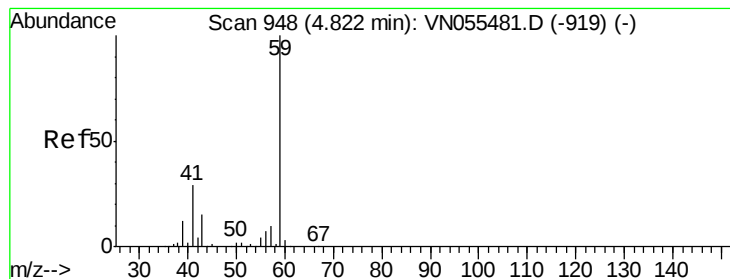
Delta R.T. 0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Tgt Ion:	142	Resp:	471241
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.0	49.4
141	13.9	11.4	17.0





#11

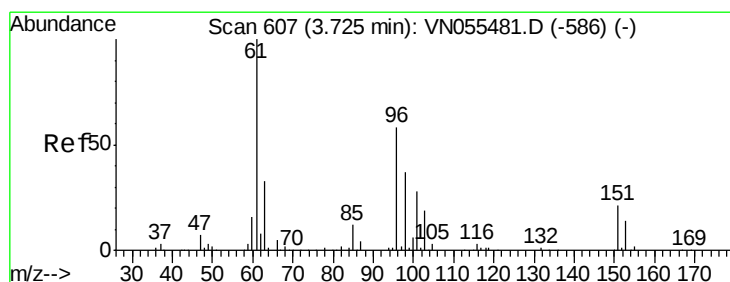
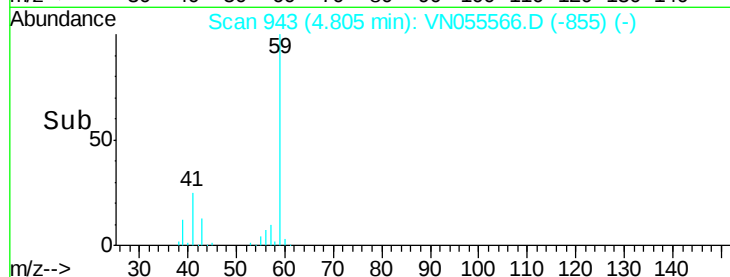
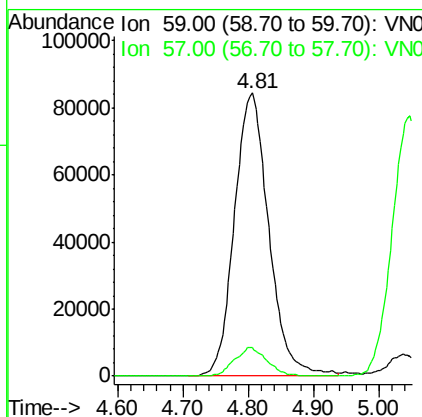
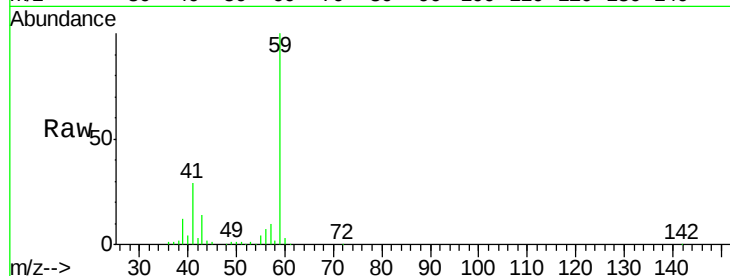
Tert butyl alcohol
 Concen: 195.632 ug/l
 RT: 4.81 min Scan# 943
 Delta R.T. -0.02 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	309269
Ion Ratio	100	Lower	Upper
57	9.6	8.0	12.0

Manual Integrations
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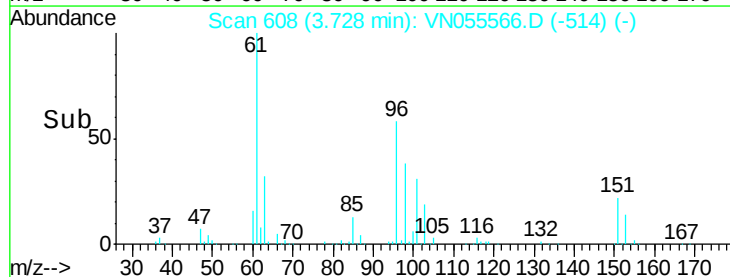
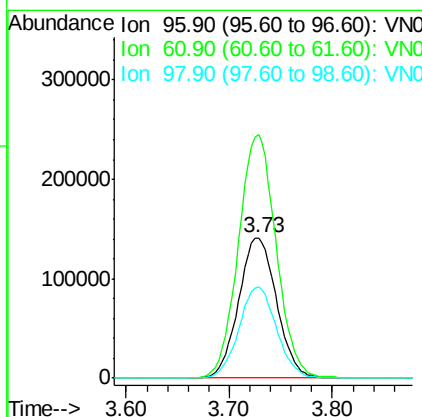
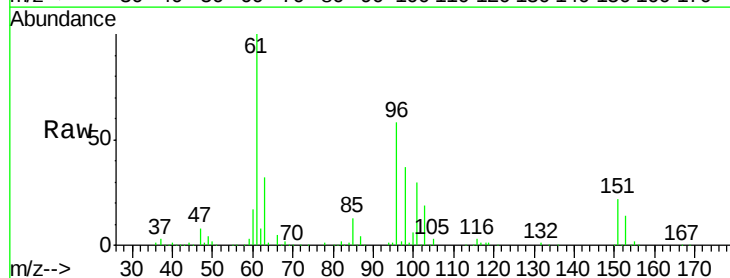
MMDadoda
 5/14/2019 9:37:52 AM

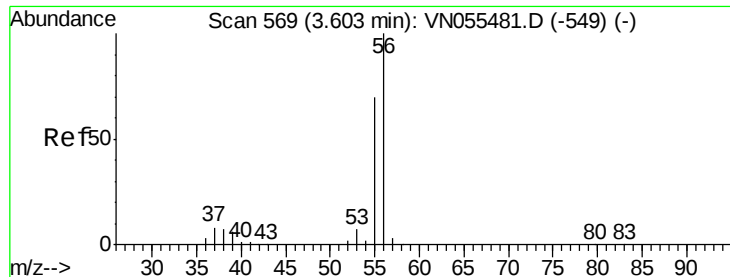


#12

1,1-Dichloroethene
 Concen: 46.447 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Tgt Ion	96	Resp	360983
Ion Ratio	100	Lower	Upper
61	173.6	138.7	208.1
98	65.1	50.6	76.0





#13

Acrolein

Concen: 261.706 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 275732

Ion Ratio Lower Upper

56 100

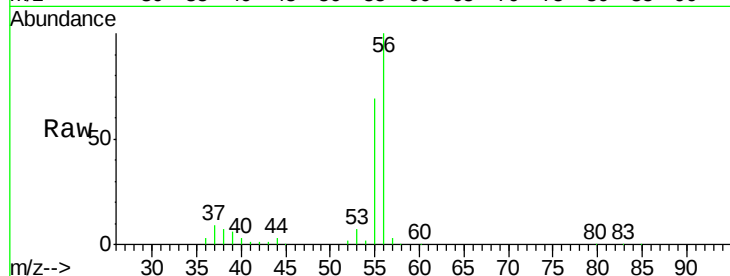
55 70.7 57.7 86.5

Manual Integrations

APPROVED

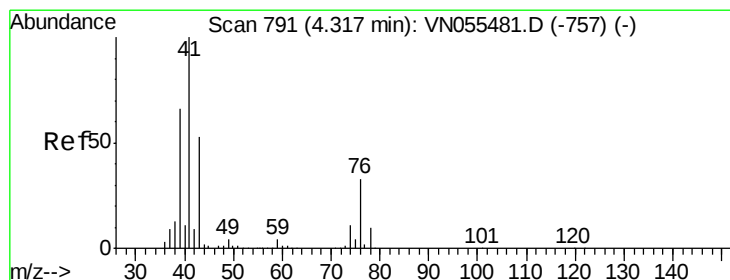
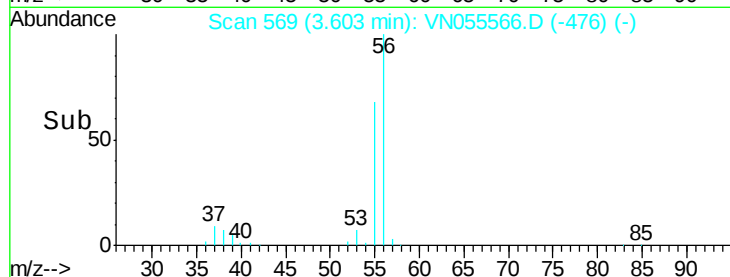
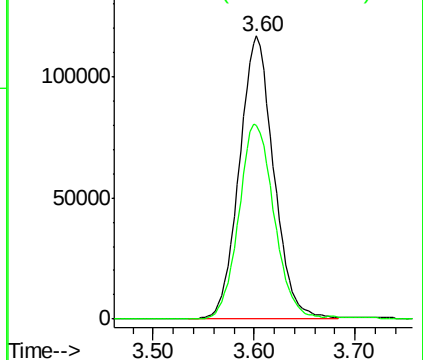
MMDadoda

5/14/2019 9:37:52 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 45.215 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

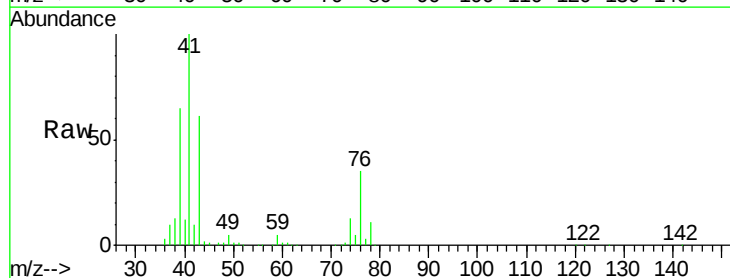
Tgt Ion: 41 Resp: 719833

Ion Ratio Lower Upper

41 100

39 61.4 49.8 74.8

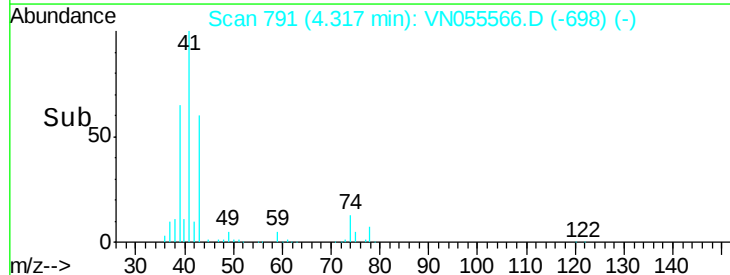
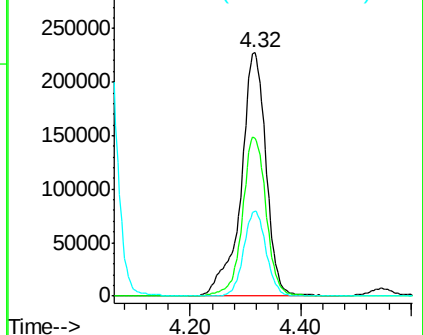
76 30.8 23.5 35.3

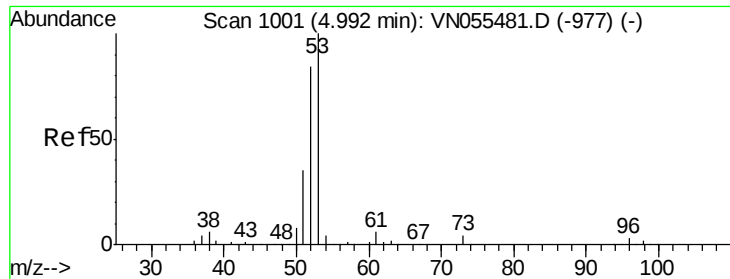


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





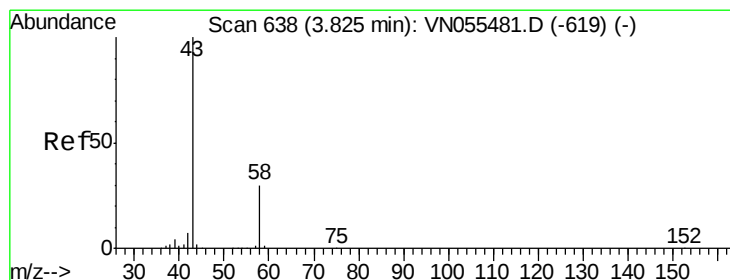
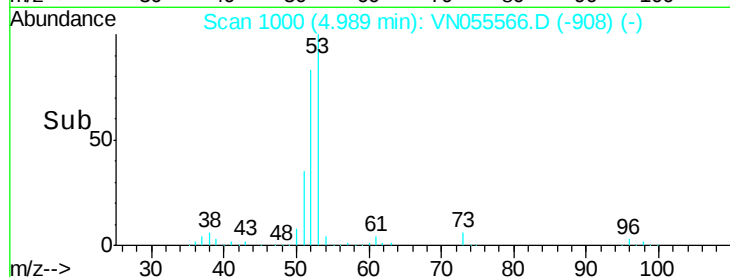
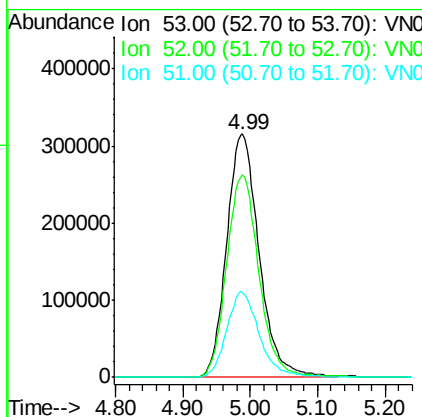
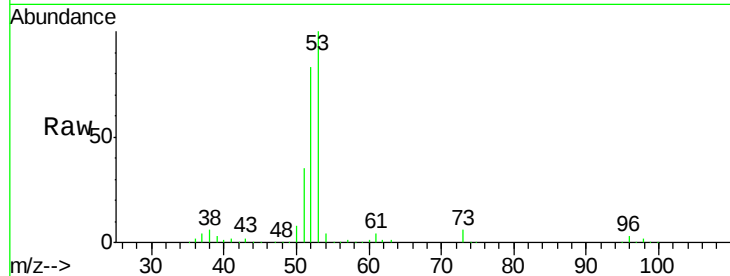
#15
 Acrylonitrile
 Concen: 216.259 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 53 Resp: 1058611
 Ion Ratio Lower Upper
 53 100
 52 82.7 66.1 99.1
 51 35.5 28.3 42.5

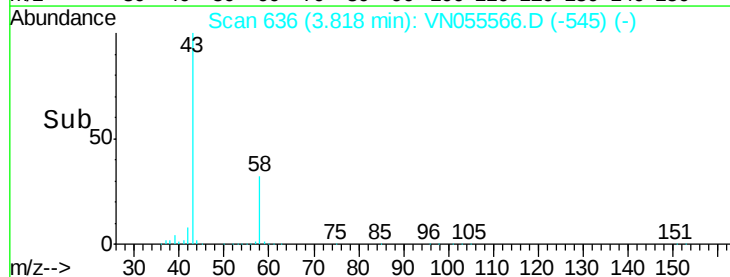
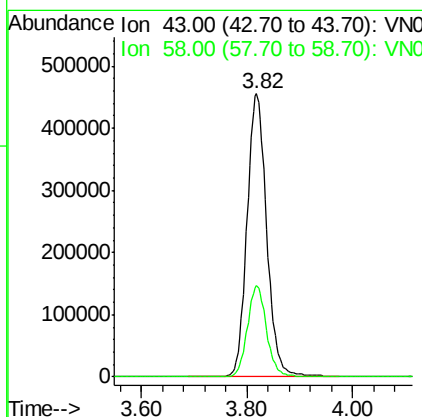
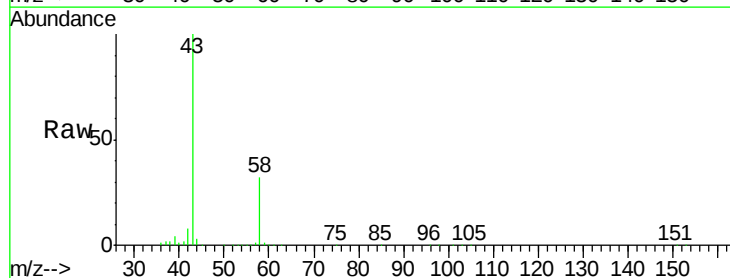
Manual Integrations
 APPROVED

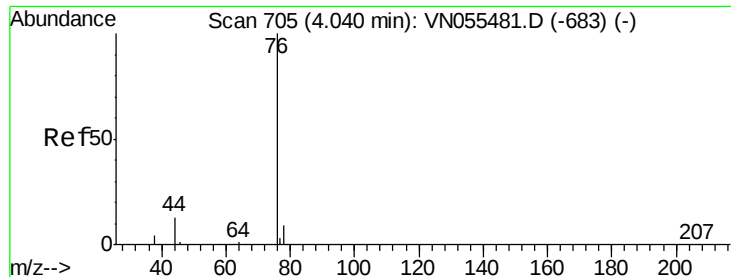
MMDadoda
 5/14/2019 9:37:52 AM



#16
 Acetone
 Concen: 238.438 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.01 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Tgt Ion: 43 Resp: 1182073
 Ion Ratio Lower Upper
 43 100
 58 32.1 24.2 36.2





#17

Carbon Disulfide

Concen: 46.449 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 985262

Ion Ratio Lower Upper

76 100

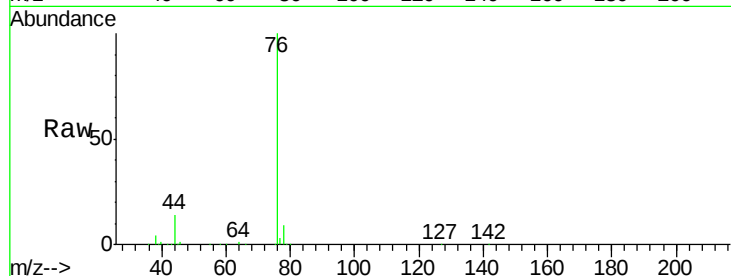
78 9.1 7.4 11.0

Manual Integrations

APPROVED

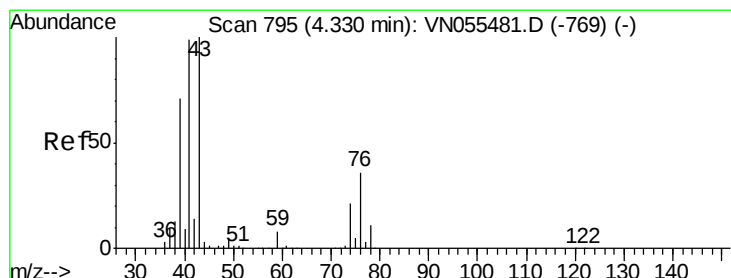
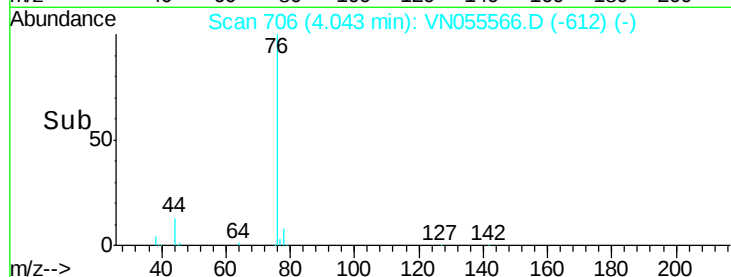
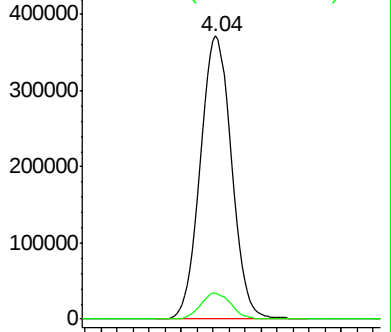
MMDadoda

5/14/2019 9:37:52 AM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 42.816 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN055566.D

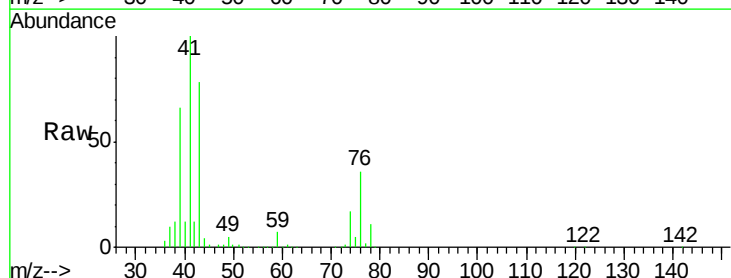
Acq: 13 May 2019 9:30

Tgt Ion: 43 Resp: 447086

Ion Ratio Lower Upper

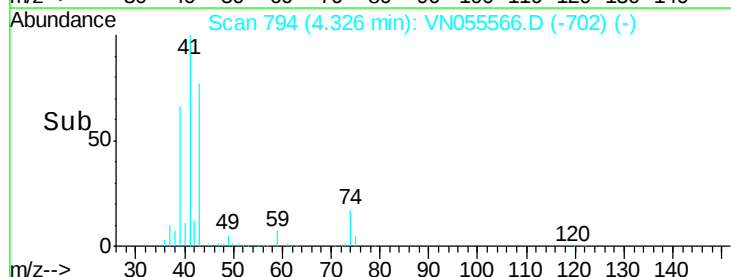
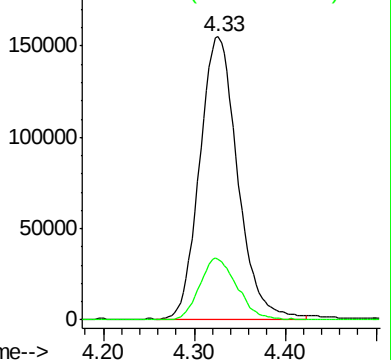
43 100

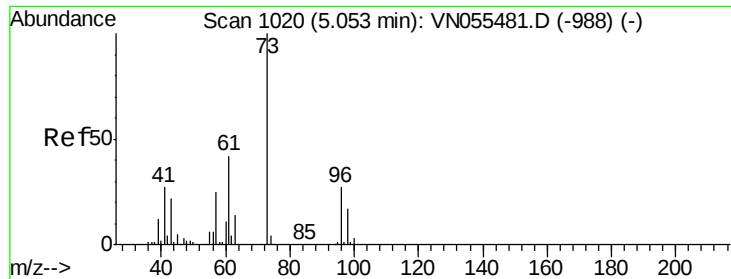
74 21.6 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





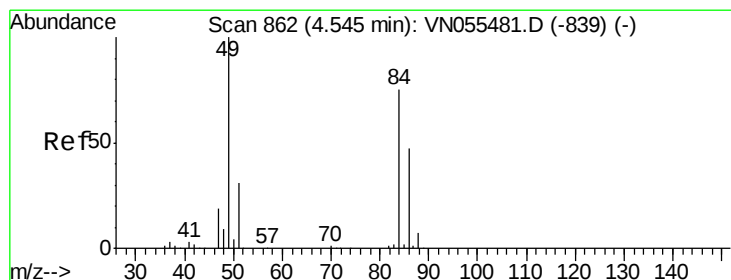
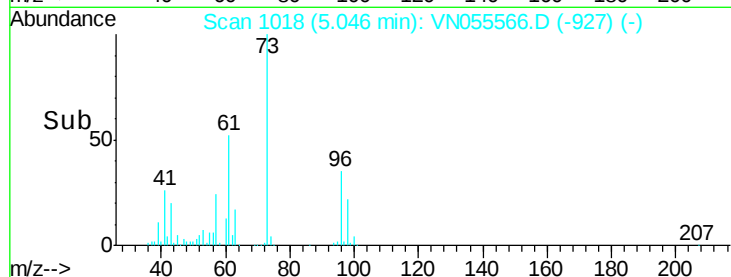
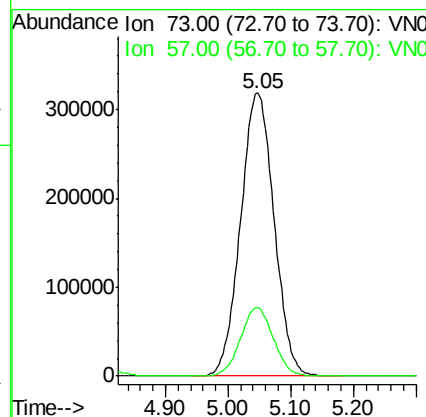
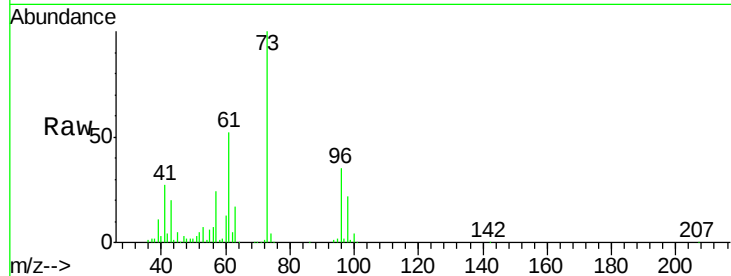
#19
Methvl tert-butvl Ether
Concen: 45.773 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1182069
Ion Ratio Lower Upper
73 100
57 24.3 20.0 30.0

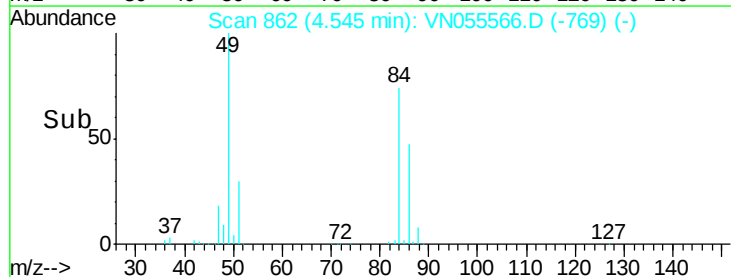
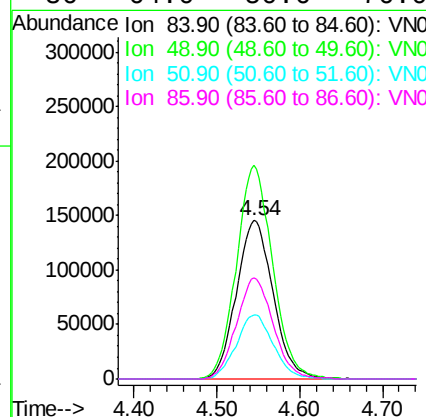
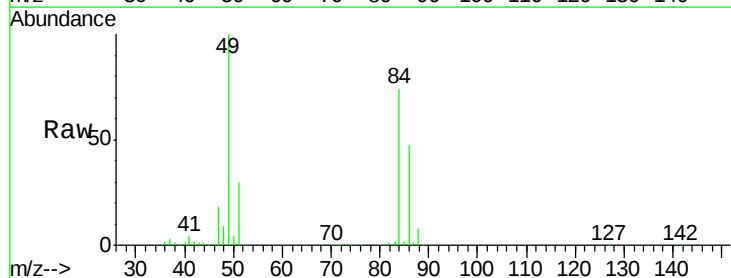
Manual Integrations
APPROVED

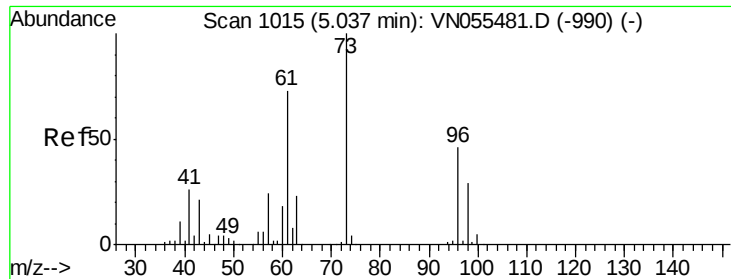
MMDadoda
5/14/2019 9:37:52 AM



#20
Methylene Chloride
Concen: 44.154 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Tgt Ion: 84 Resp: 447608
Ion Ratio Lower Upper
84 100
49 134.9 107.0 160.6
51 40.6 33.0 49.4
86 64.0 50.6 76.0





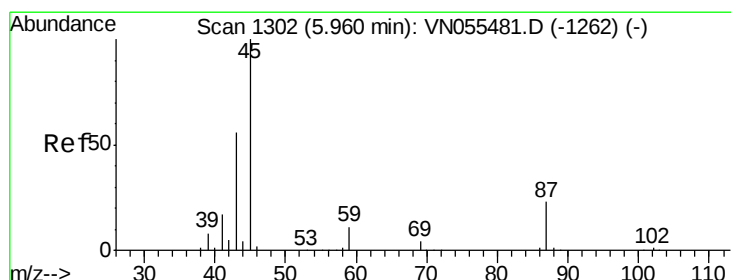
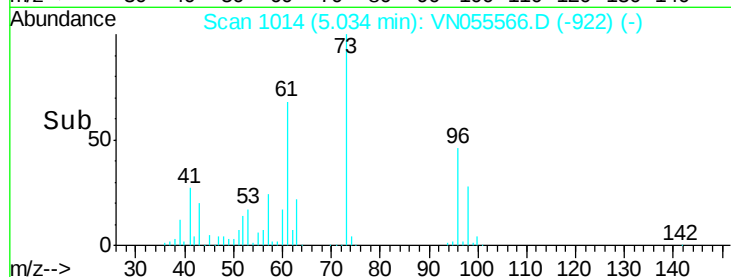
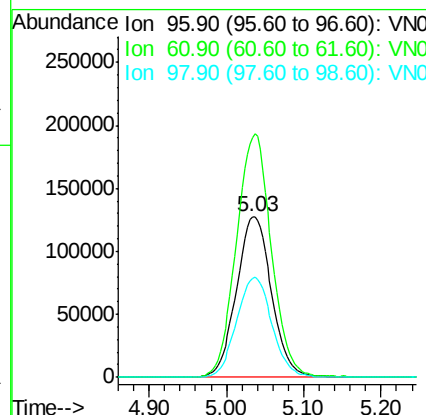
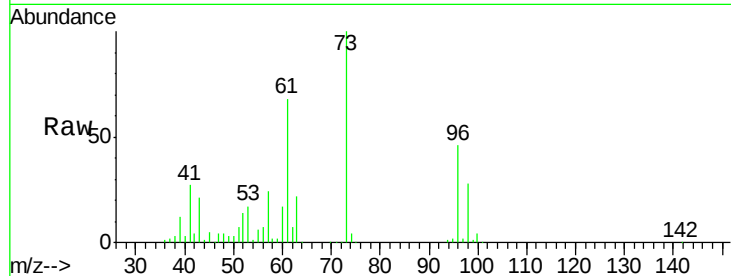
#21
trans-1,2-Dichloroethene
Concen: 47.640 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.5	127.4	191.0
98	61.8	51.6	77.4

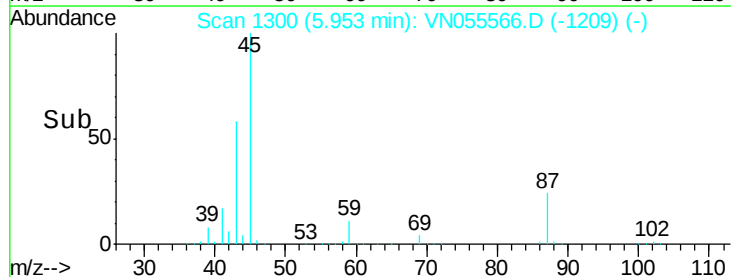
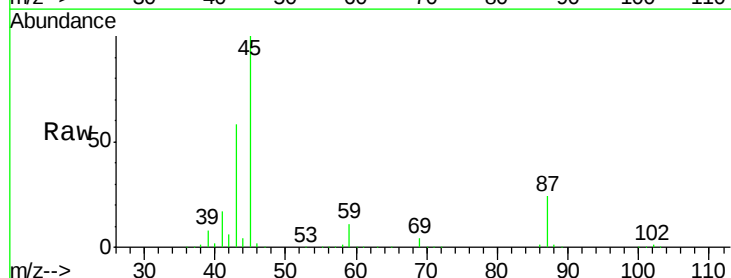
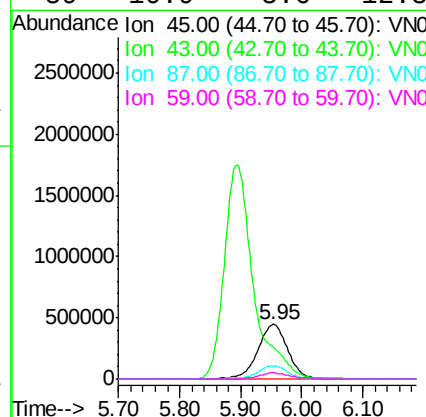
Manual Integrations
APPROVED

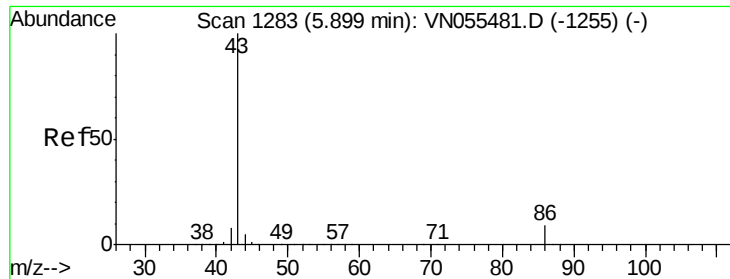
MMDadoda
5/14/2019 9:37:52 AM



#22
Diisopropyl ether
Concen: 47.067 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.01 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.4	44.6	66.8
87	24.2	18.6	28.0
59	10.9	8.6	12.8





#23

Vinyl Acetate

Concen: 233.337 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 5838040

Ion Ratio Lower Upper

43 100

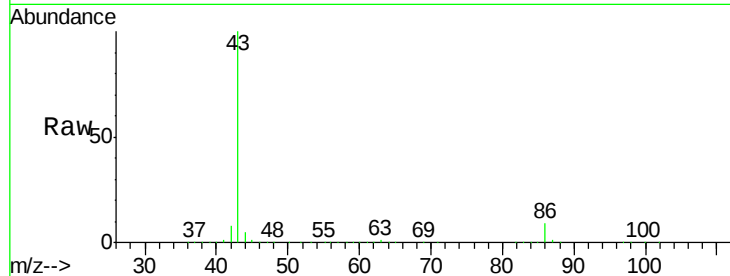
86 9.1 7.1 10.7

Manual Integrations

APPROVED

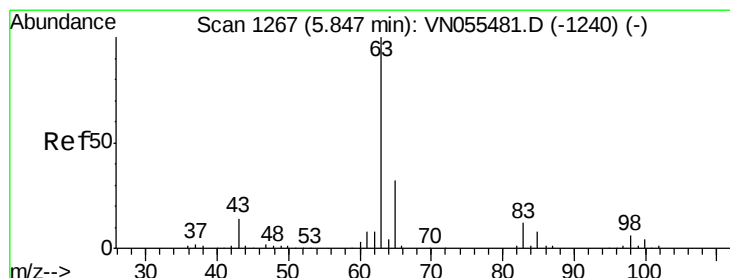
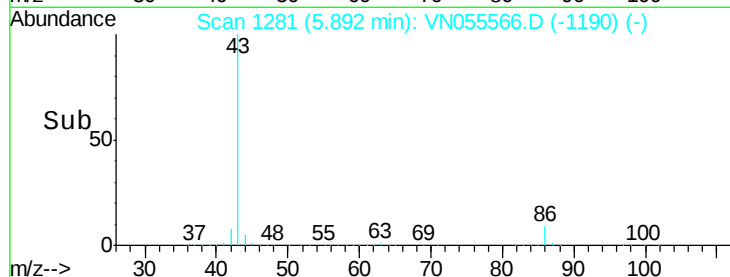
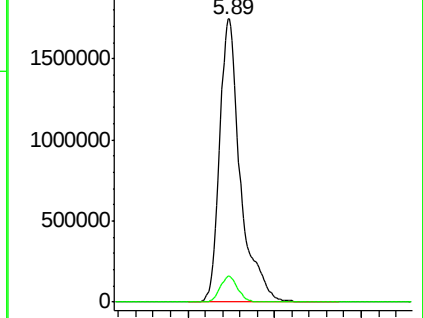
MMDadoda

5/14/2019 9:37:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 46.227 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

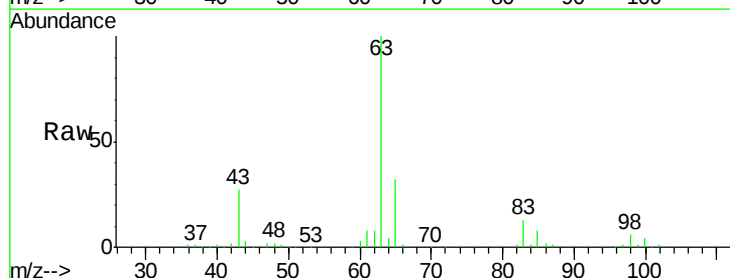
Tgt Ion: 63 Resp: 807316

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

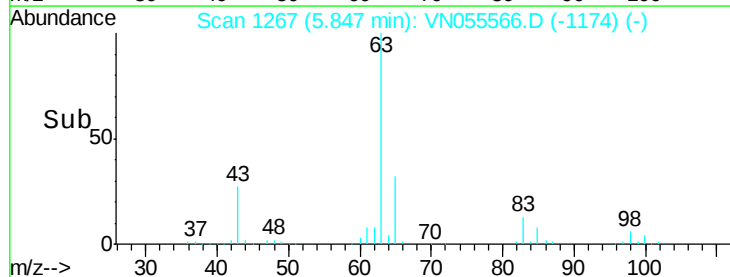
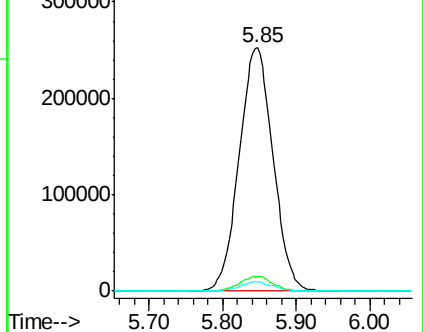
100 3.9 1.9 5.7

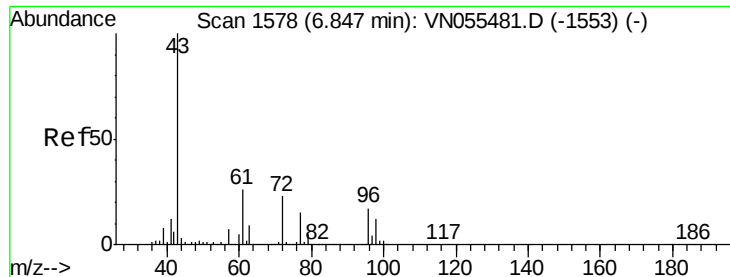


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 222.788 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.01 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1525714

Ion Ratio Lower Upper

43 100

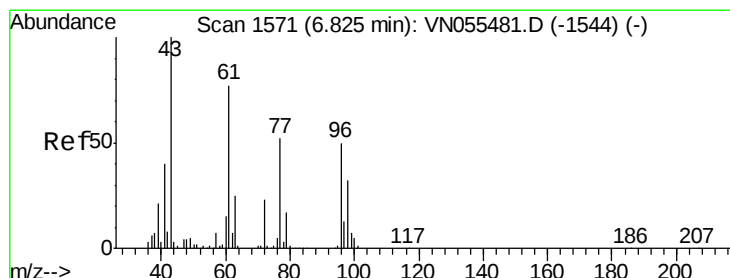
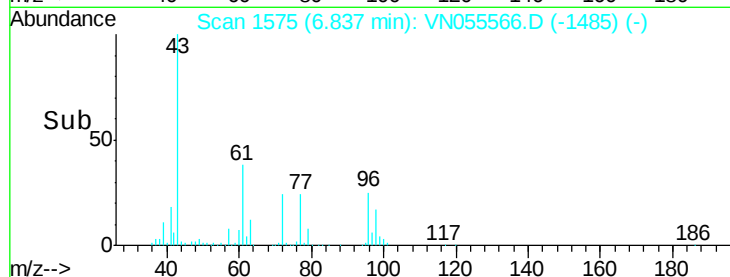
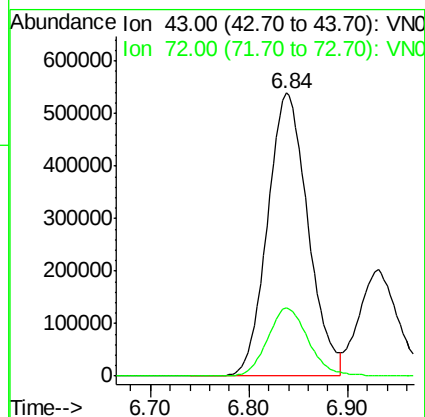
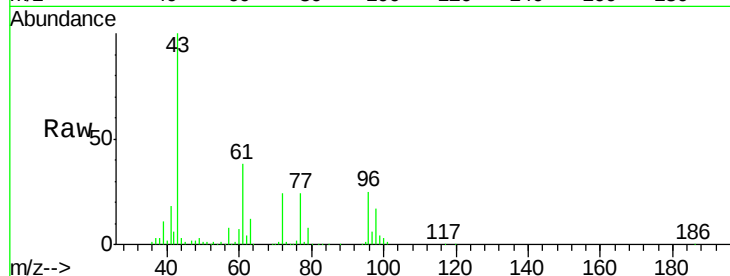
72 24.0 18.6 27.8

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#26

2,2-Dichloropropane

Concen: 50.770 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055566.D

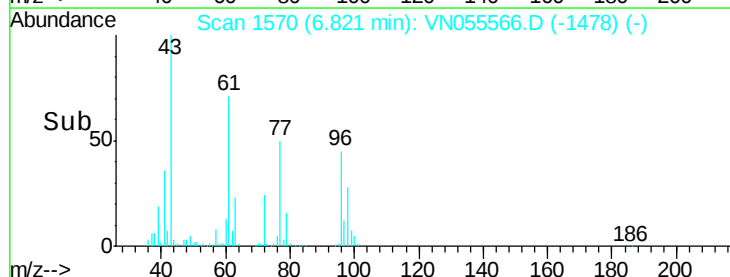
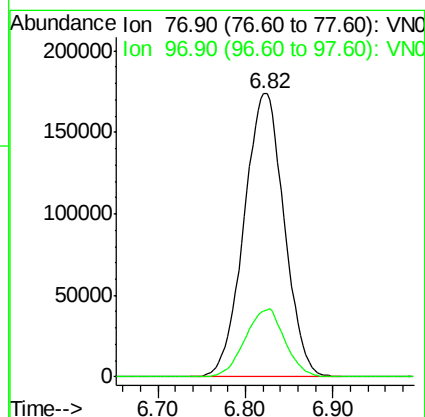
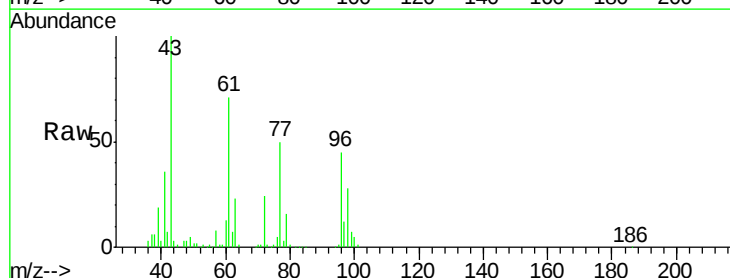
Acq: 13 May 2019 9:30

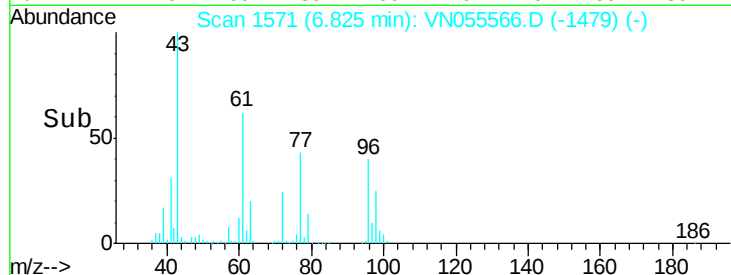
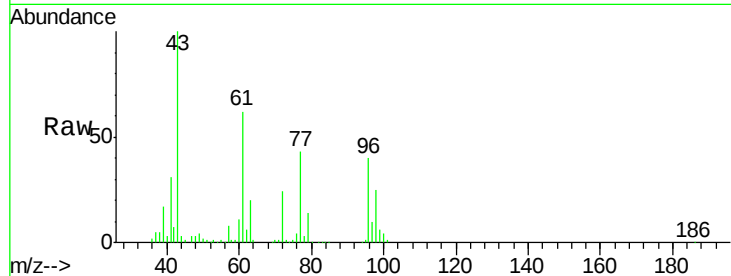
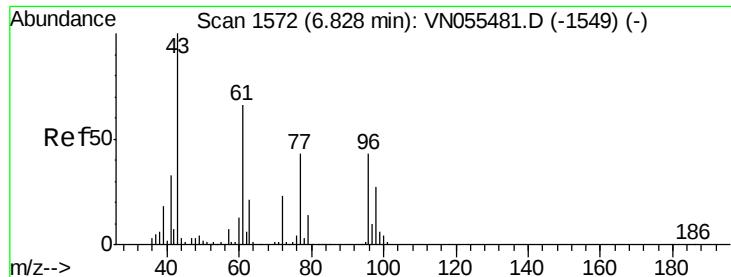
Tgt Ion: 77 Resp: 552735

Ion Ratio Lower Upper

77 100

97 23.7 11.5 34.5





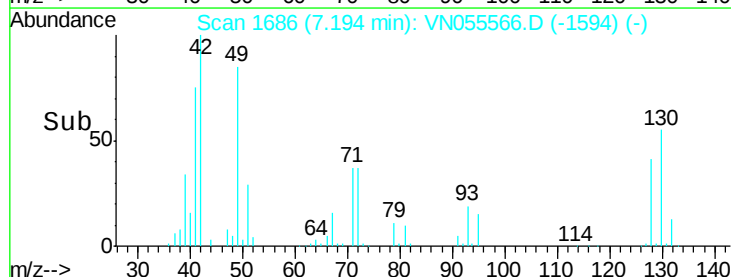
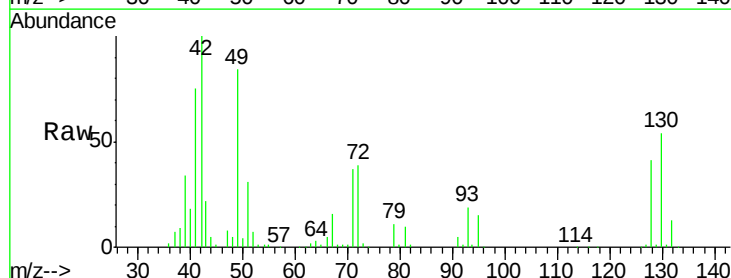
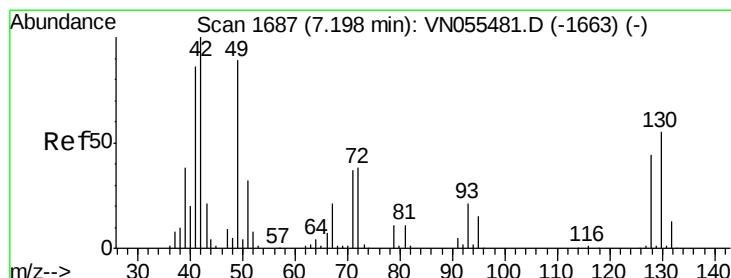
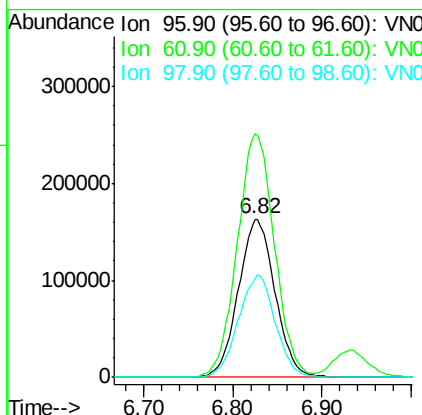
#27
 cis-1,2-Dichloroethene
 Concen: 47.854 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Tot Ion	Ratio	Resp	Lower	Upper
96	100	466019		
61	156.0	0.0	310.8	
98	65.4	0.0	129.4	

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

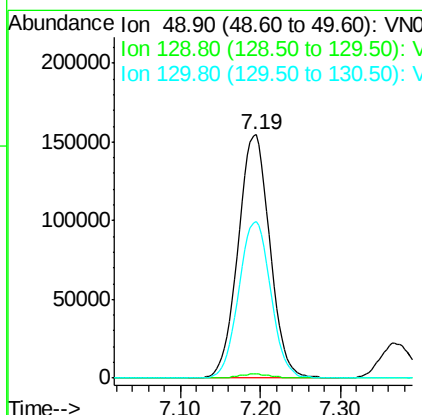
Manual Integrations
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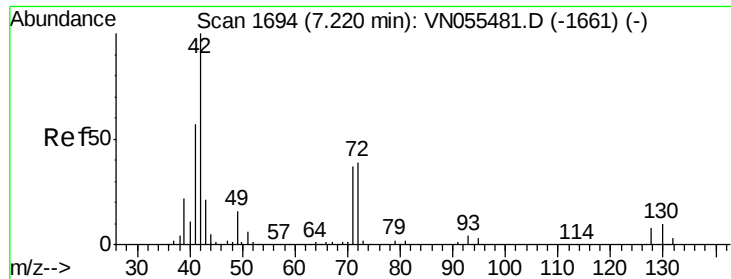
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#28
 Bromochloromethane
 Concen: 45.731 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	414756		
129	1.7	0.0	3.2	
130	64.8	49.5	74.3	





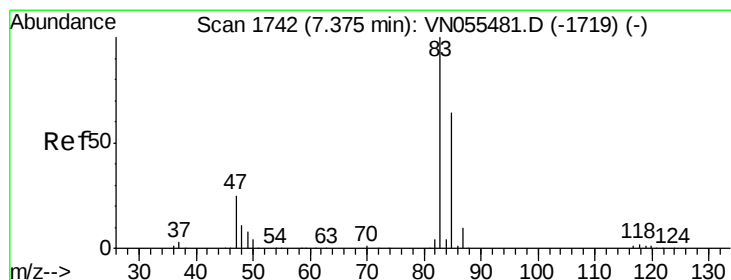
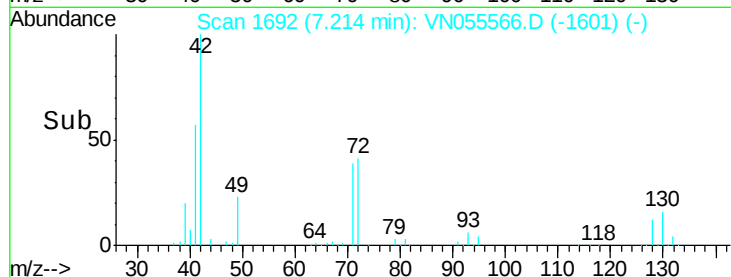
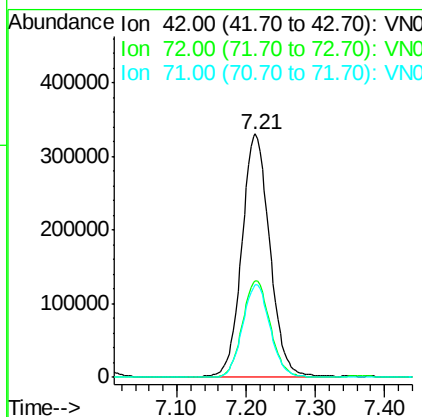
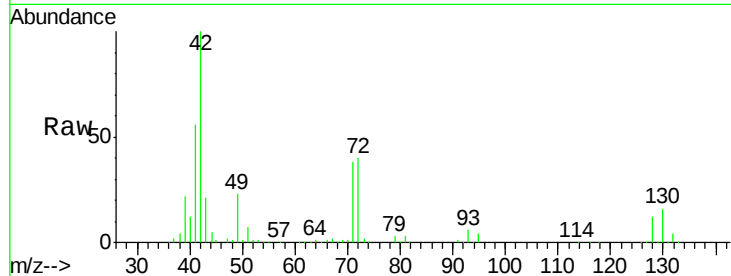
#29
Tetrahydrofuran
Concen: 204.514 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.01 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.0	46.6
71	37.7	29.4	44.2

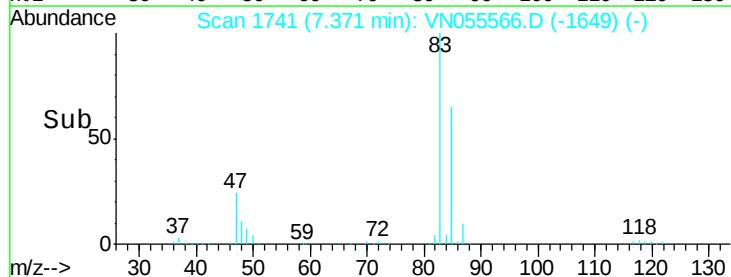
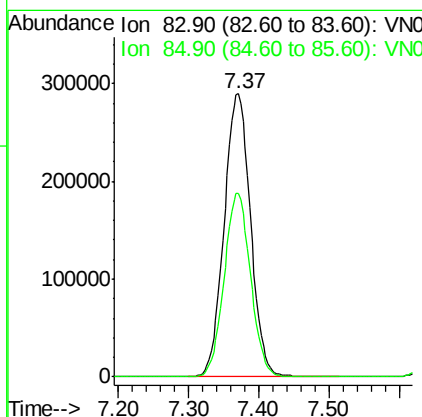
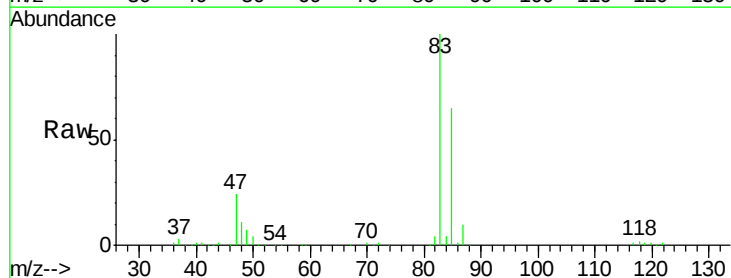
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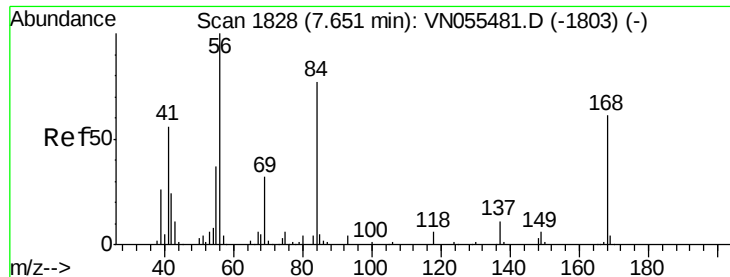
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#30
Chloroform
Concen: 46.919 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.3	76.9





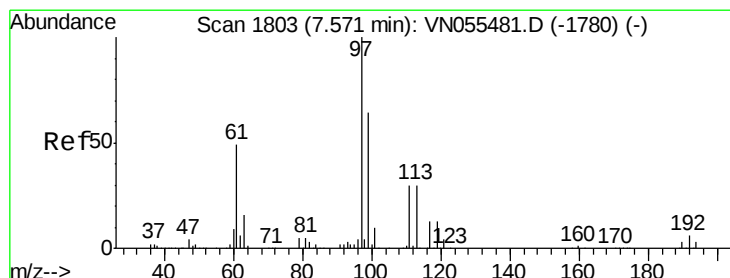
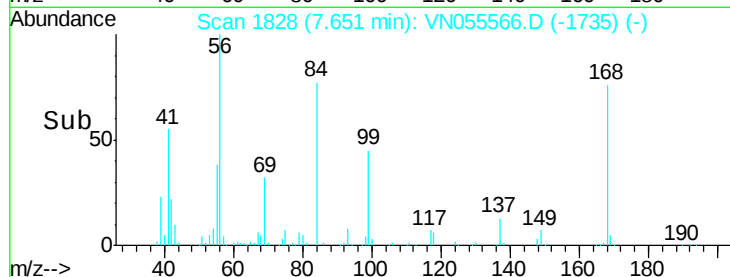
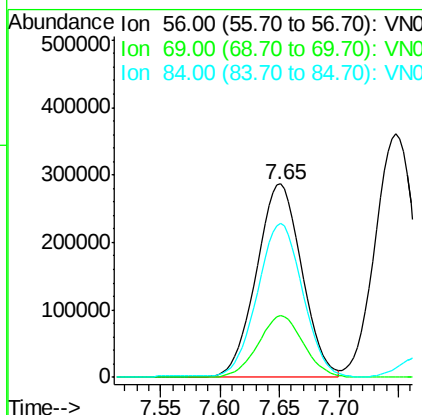
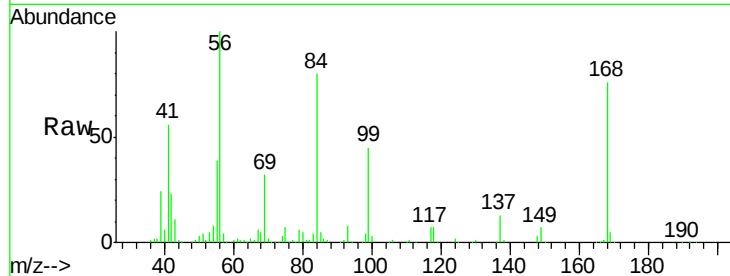
#31
Cyclohexane
Concen: 43.871 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100			
69	31.8	26.0	39.0	
84	78.8	61.9	92.9	

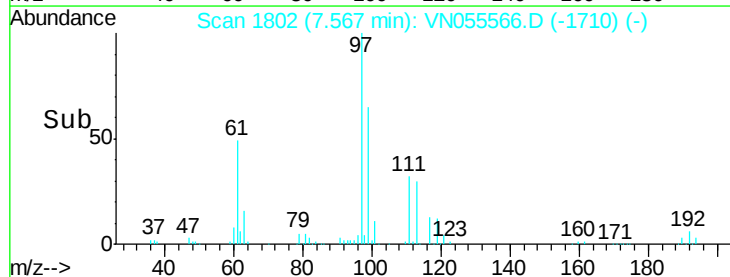
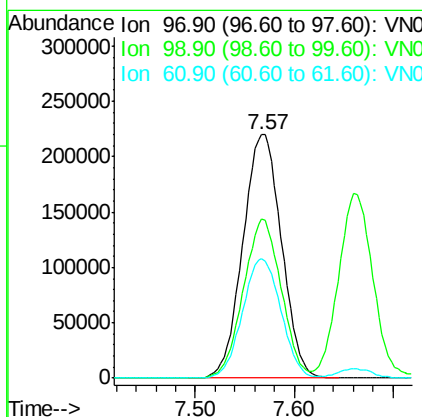
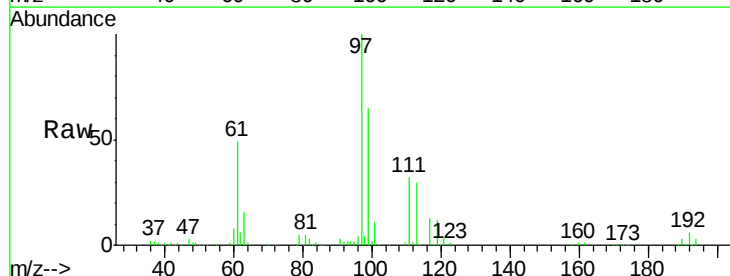
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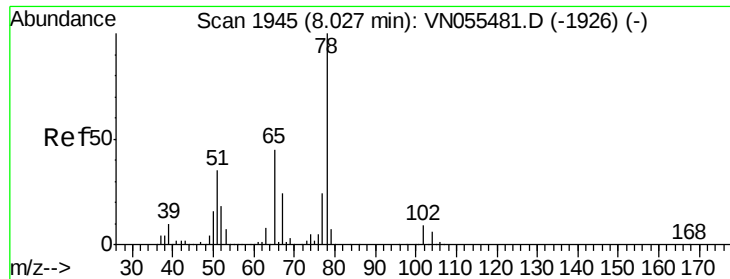
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#32
1,1,1-Trichloroethane
Concen: 48.449 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	64.1	51.2	76.8	
61	48.7	39.2	58.8	





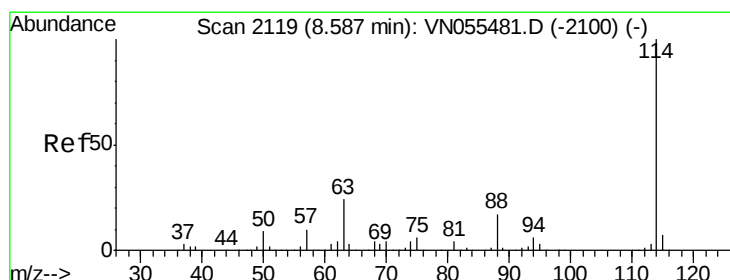
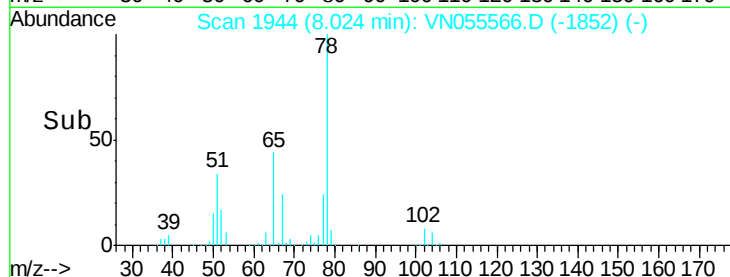
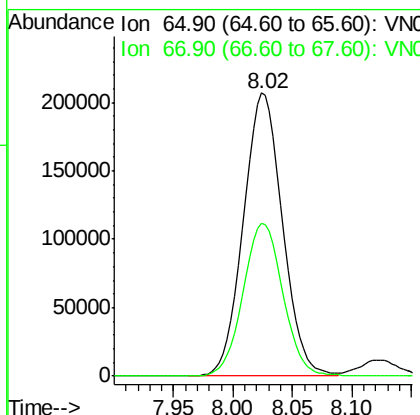
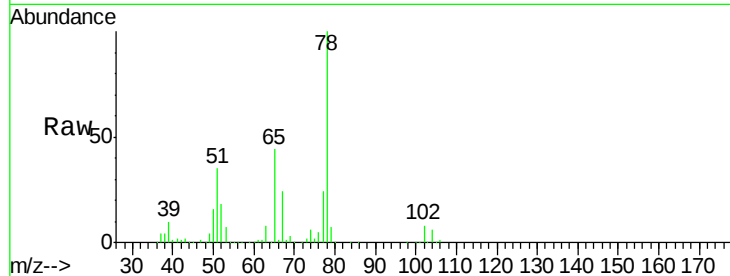
#33
 1,2-Dichloroethane-d4
 Concen: 44.062 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 471762
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.6

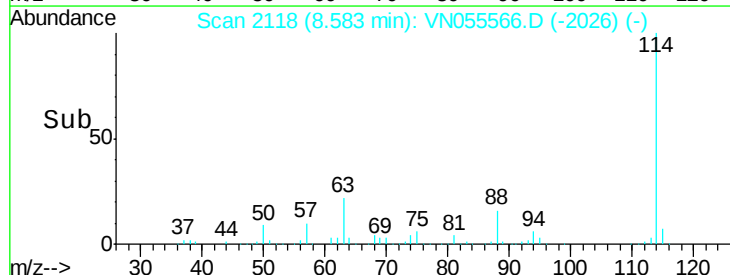
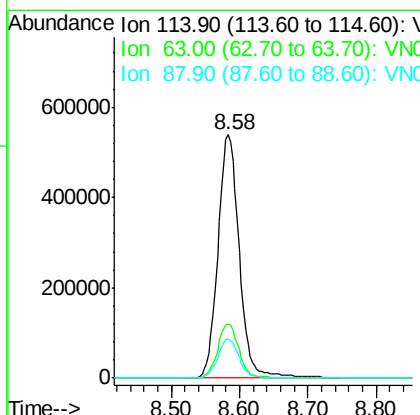
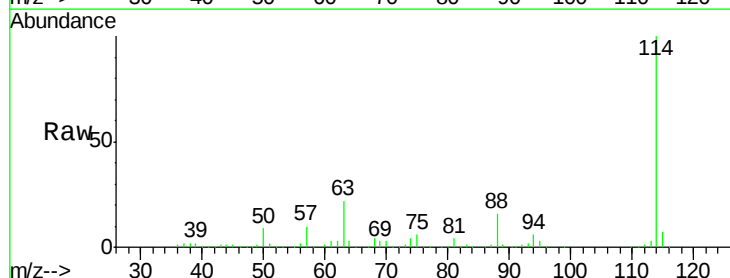
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Tgt Ion: 114 Resp: 1171274
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 47.4
 88 16.1 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.027 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Instrument :

MSVOA_N

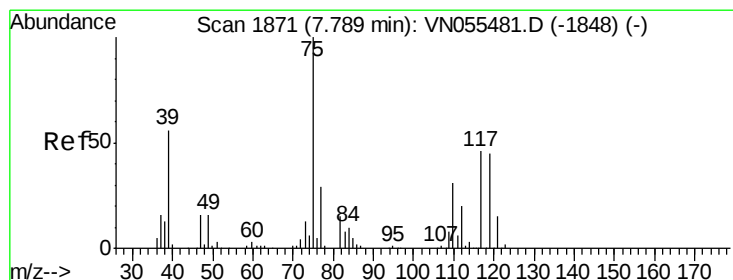
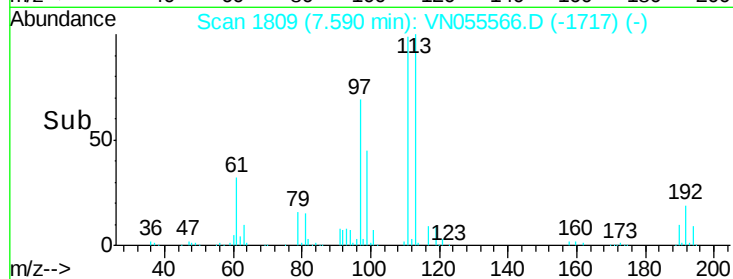
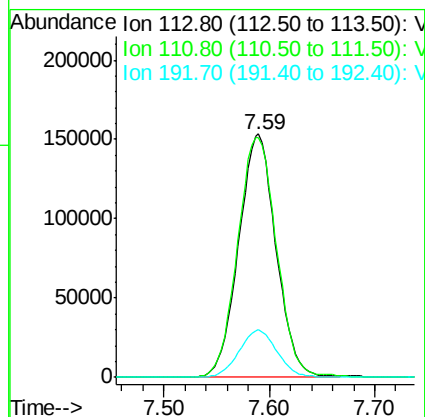
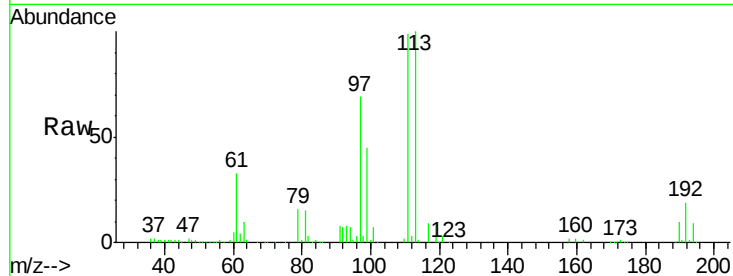
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	377987
Ion Ratio	Lower	Upper	
113	100		
111	102.1	82.9	124.3
192	19.9	15.6	23.4

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#36

1,1-Dichloropropene

Concen: 50.167 ug/l

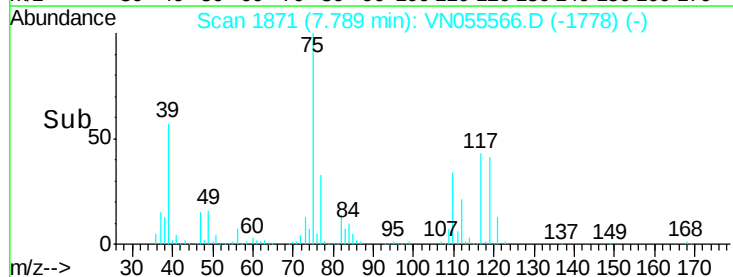
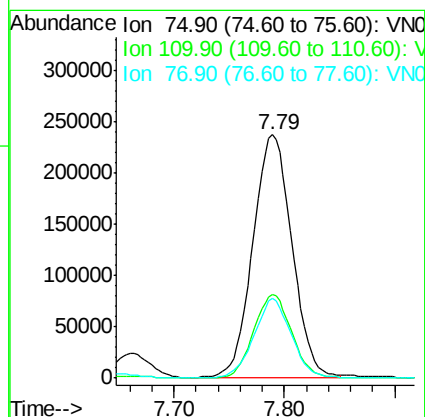
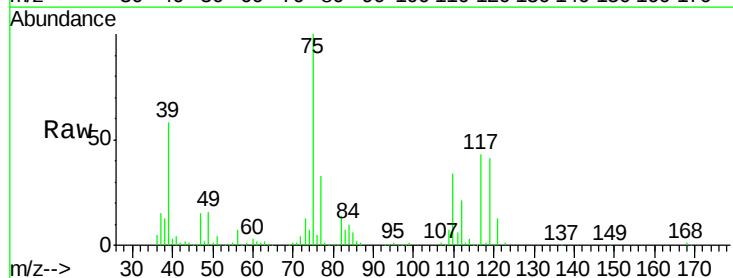
RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Tgt Ion:	75	Resp:	578879
Ion Ratio	Lower	Upper	
75	100		
110	33.7	16.1	48.3
77	31.5	24.6	37.0





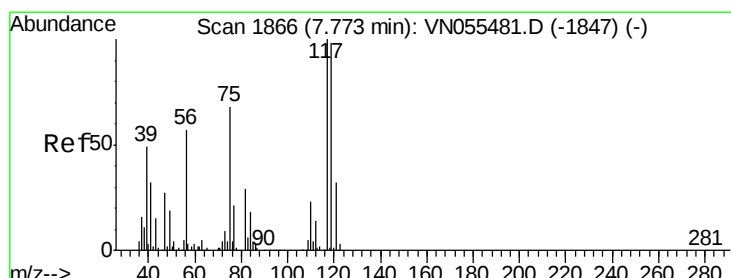
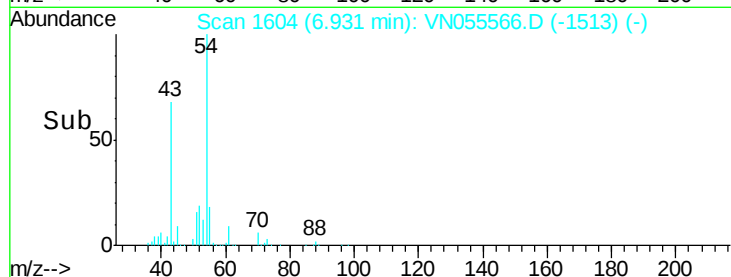
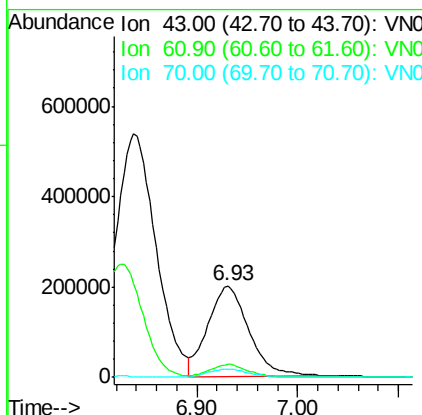
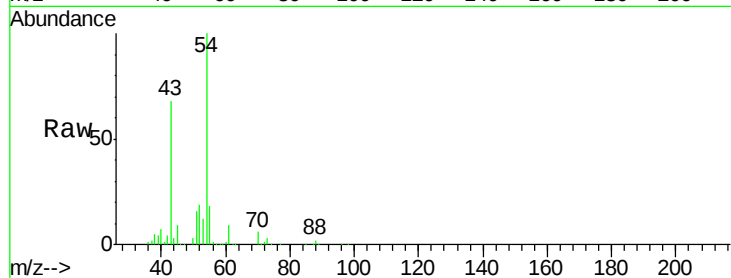
#37
Ethyl Acetate
Concen: 45.043 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.5	10.9	16.3	
70	9.2	7.0	10.6	

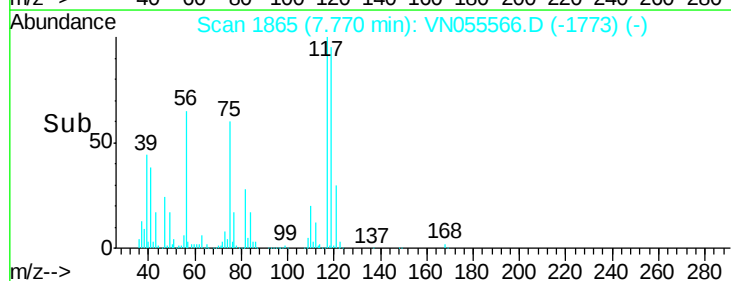
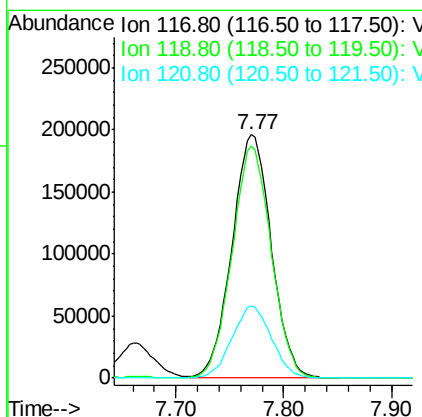
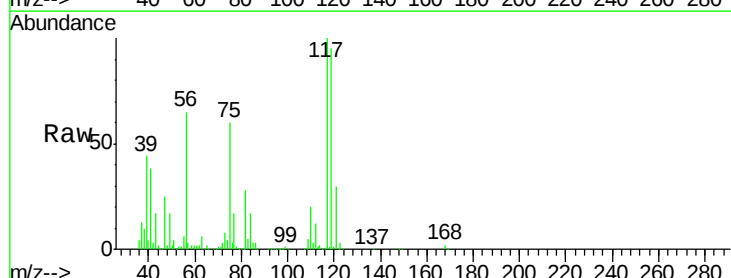
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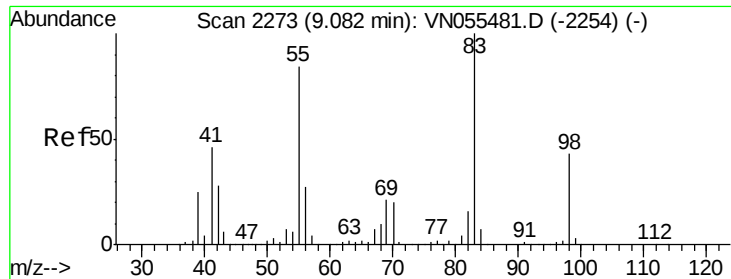
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#38
Carbon Tetrachloride
Concen: 51.138 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.4	77.8	116.6	
121	29.9	25.2	37.8	





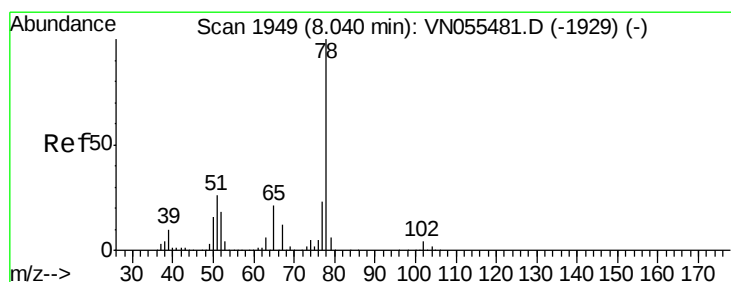
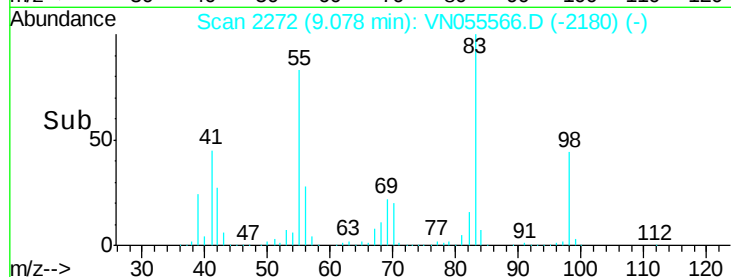
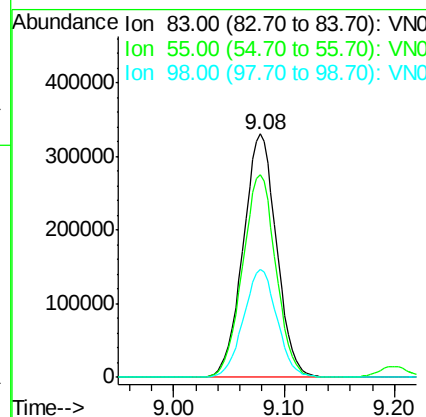
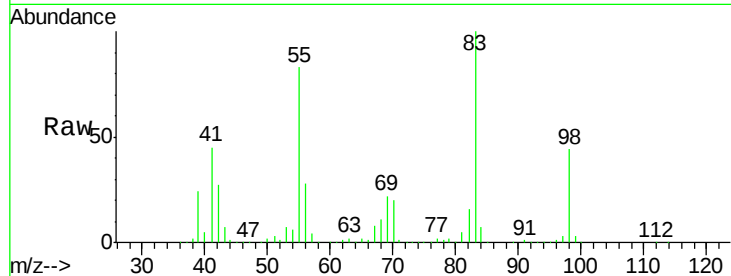
#39
Methvlcvclohexane
Concen: 49.080 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	690515		
55	83.5	67.0	100.4	
98	44.3	34.2	51.4	

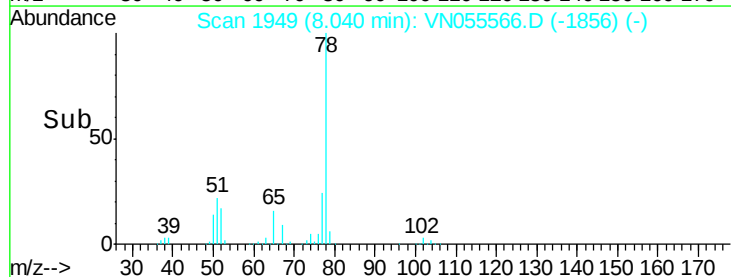
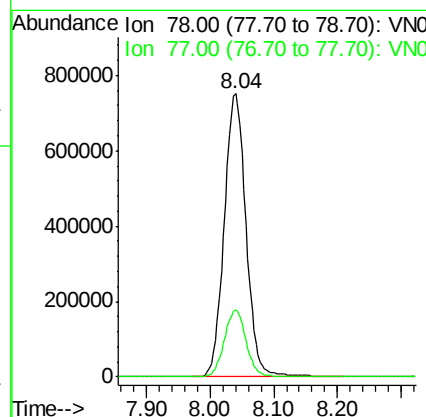
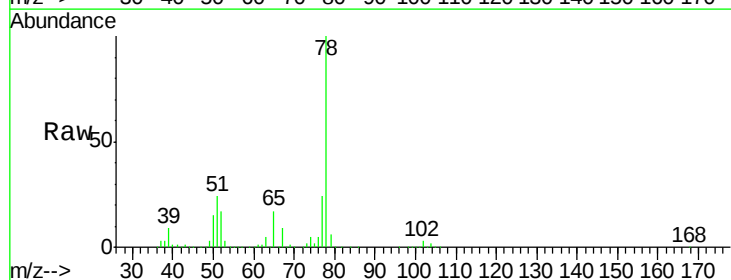
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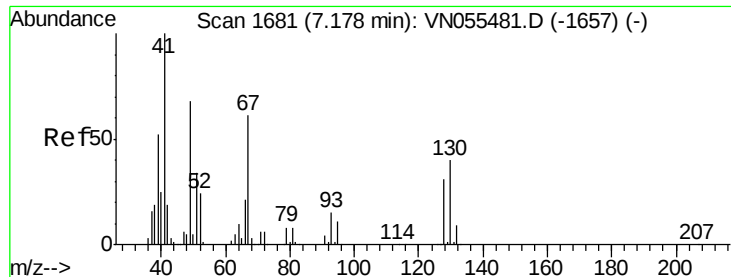
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#40
Benzene
Concen: 50.058 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1792713		
77	23.7	18.6	27.8	





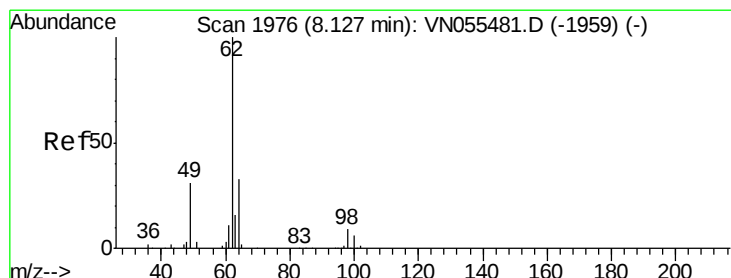
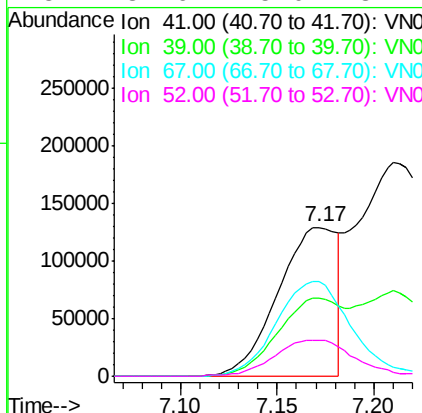
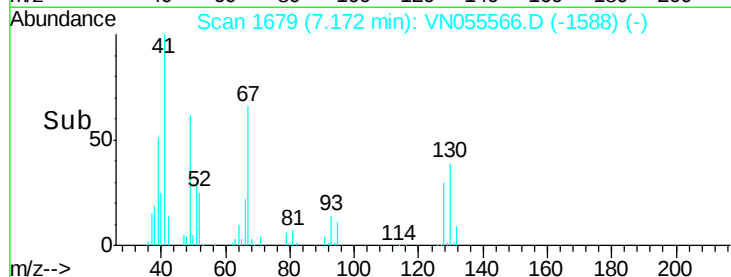
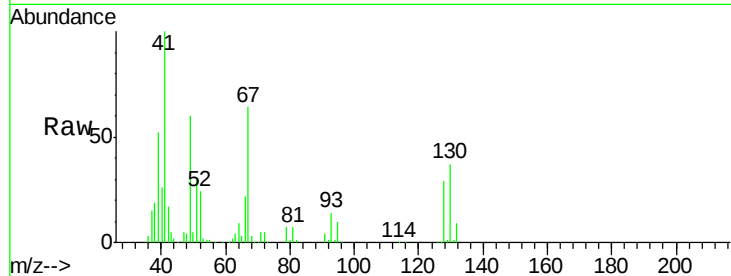
#41
Methacrylonitrile
Concen: 46.655 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	272568
Ion Ratio	Lower	Upper	
41	100		
39	60.6	44.7	67.1
67	82.6	61.4	92.0
52	32.6	25.0	37.4

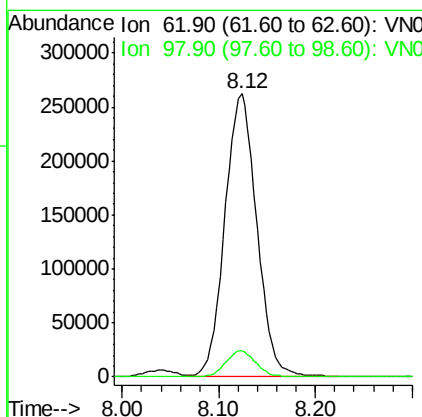
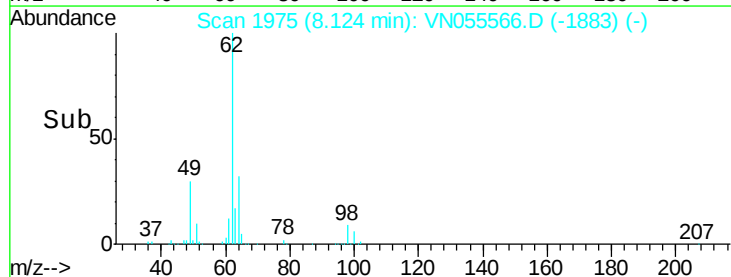
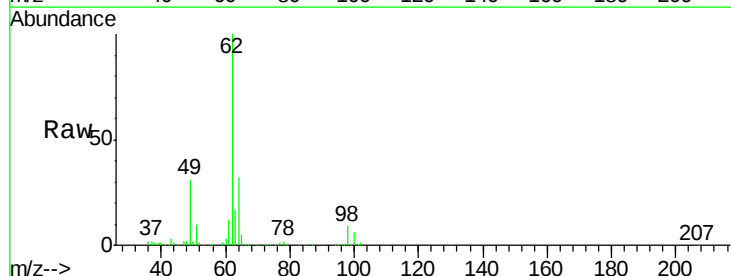
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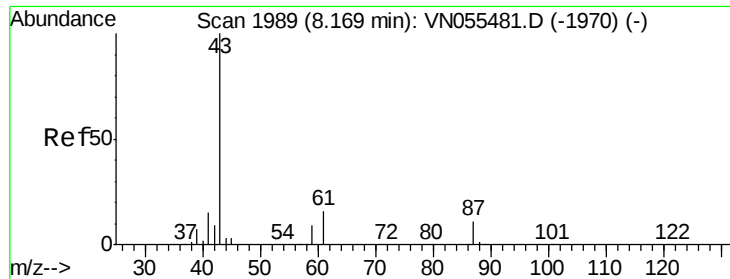
MMDadoda
5/14/2019 9:37:52 AM



#42
1,2-Dichloroethane
Concen: 47.489 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Tgt Ion	62	Resp	597502
Ion Ratio	Lower	Upper	
62	100		
98	8.9	0.0	17.4





#43

Isopropyl Acetate

Concen: 46.816 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.01 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Instrument :

MSVOA_N

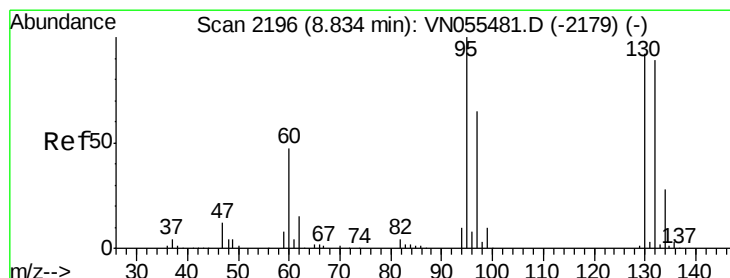
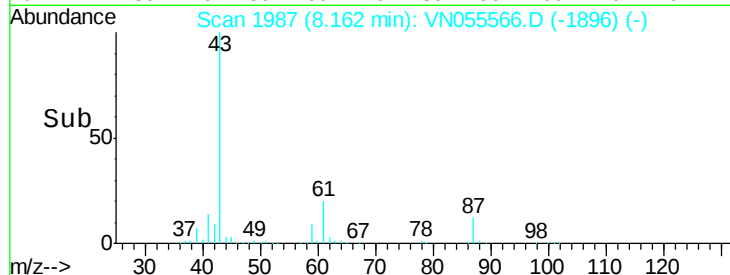
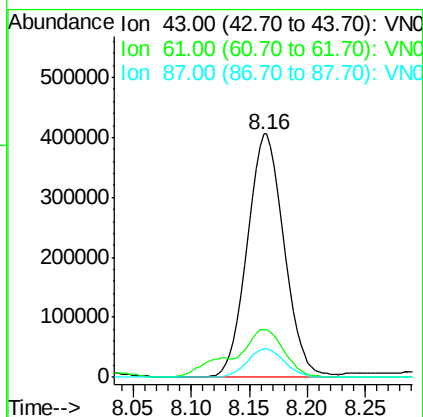
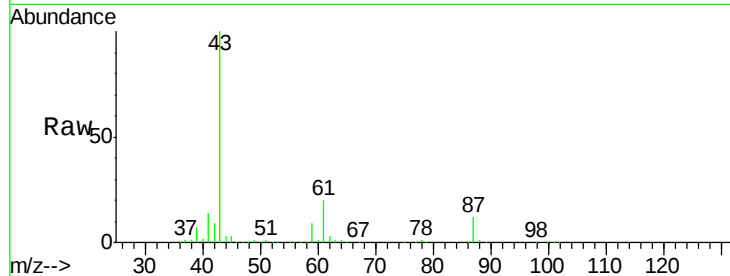
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	895264
Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.1	22.7
87	12.0	9.0	13.6

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#44

Trichloroethene

Concen: 50.506 ug/l

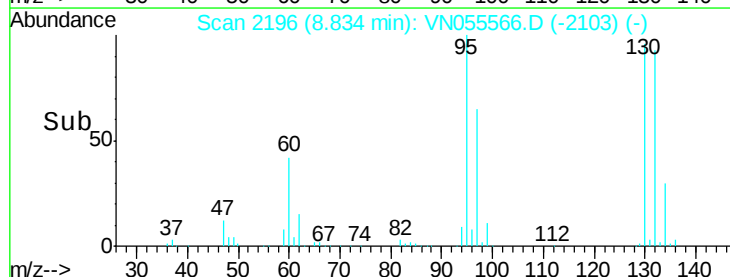
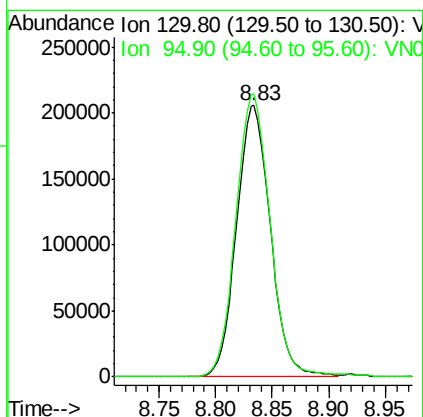
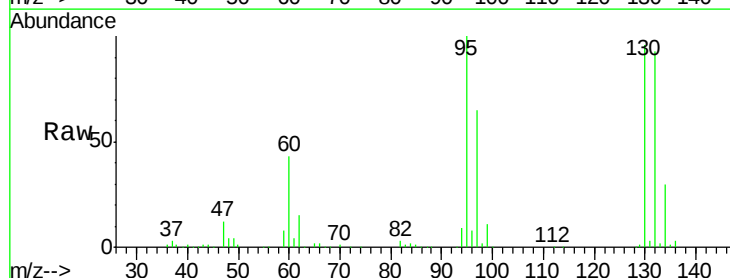
RT: 8.83 min Scan# 2196

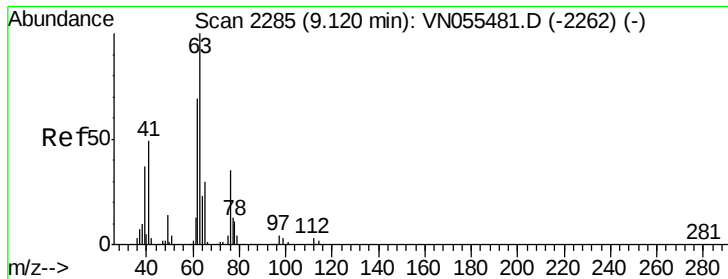
Delta R.T. -0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Tgt Ion:	130	Resp:	430371
Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	216.8





#45

1,2-Dichloropropane

Concen: 49.271 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 504871

Ion Ratio Lower Upper

63 100

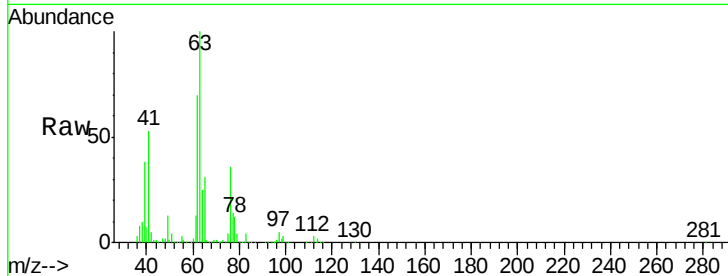
65 30.7 24.1 36.1

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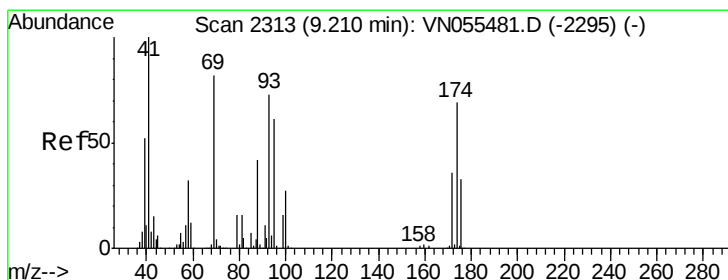
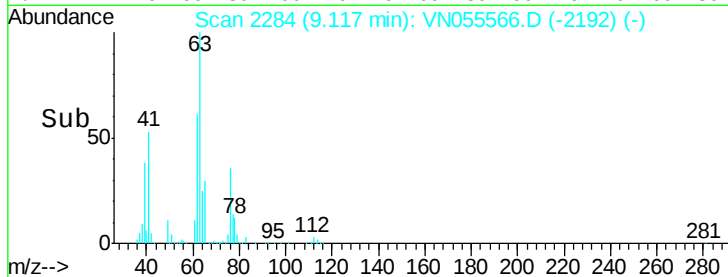
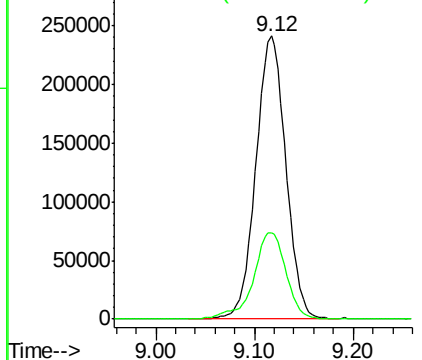
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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 49.429 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

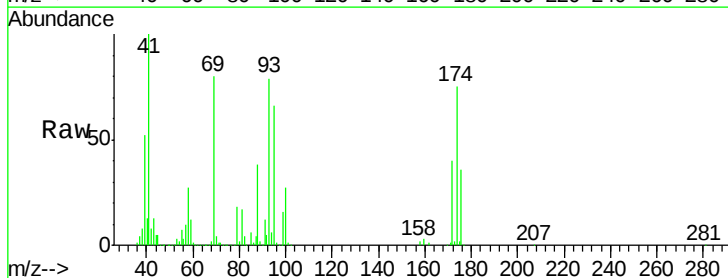
Tgt Ion: 93 Resp: 293577

Ion Ratio Lower Upper

93 100

95 82.7 64.8 97.2

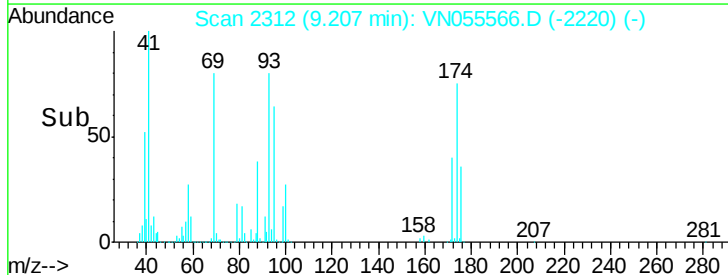
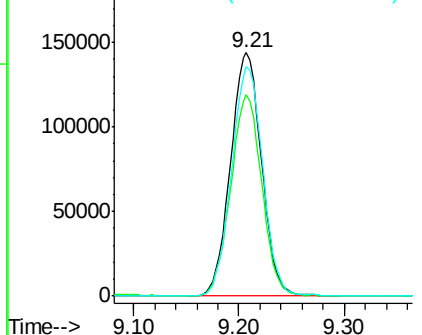
174 95.0 75.0 112.6

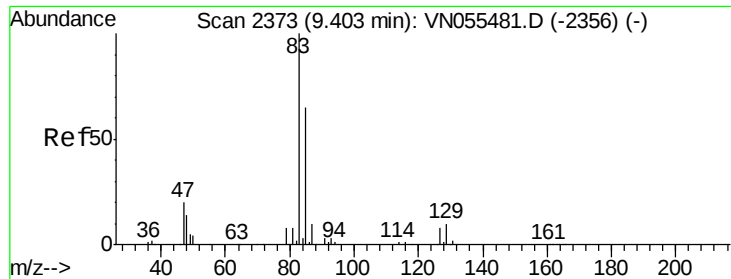


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.783 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Instrument :

MSVOA_N

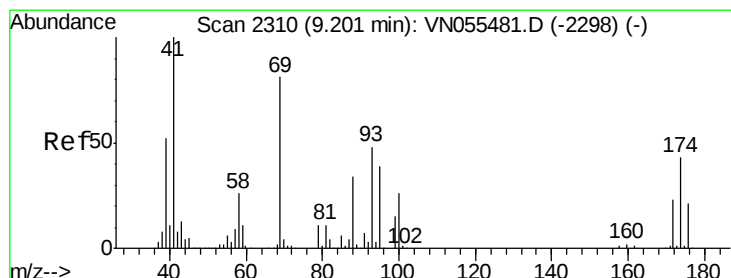
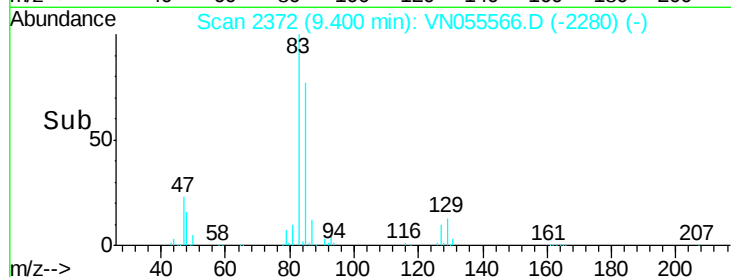
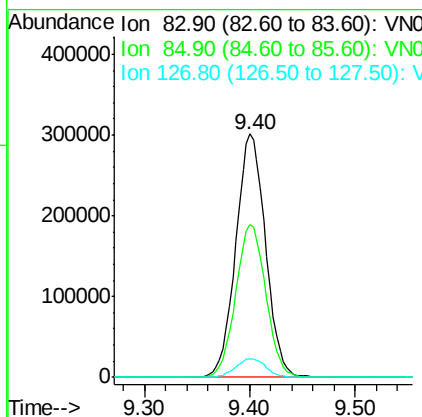
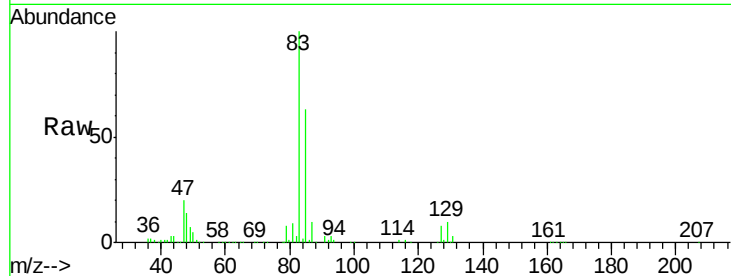
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	588383
Ion Ratio	Lower	Upper	
83	100		
85	62.9	52.2	78.2
127	7.7	6.5	9.7

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#48

Methyl methacrylate

Concen: 45.844 ug/l

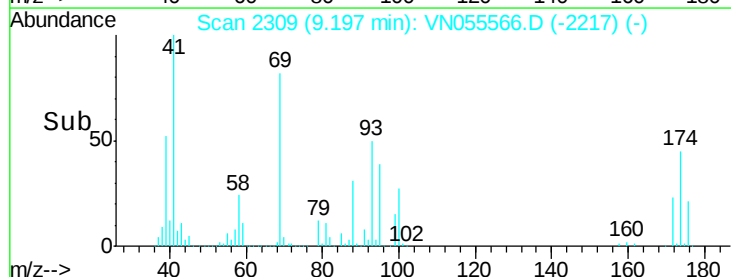
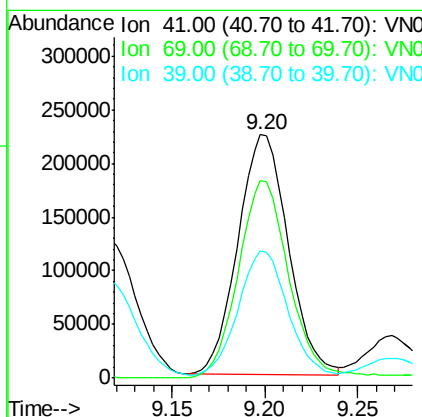
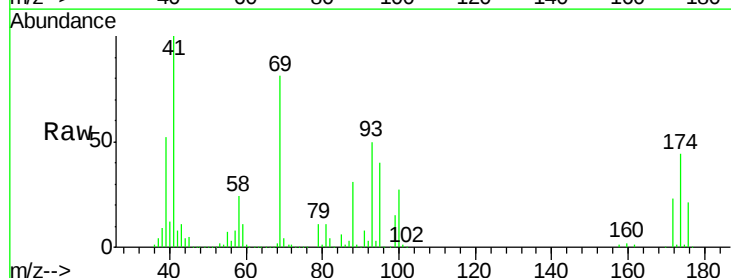
RT: 9.20 min Scan# 2309

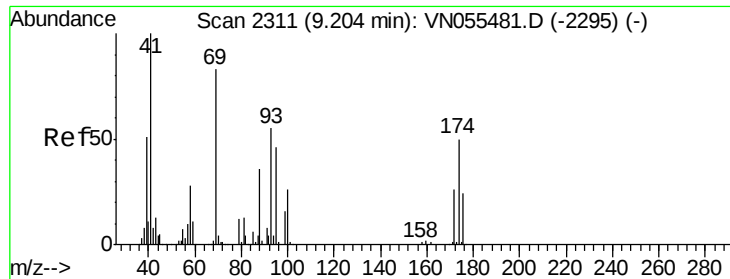
Delta R.T. -0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Tgt Ion:	41	Resp:	422389
Ion Ratio	Lower	Upper	
41	100		
69	83.9	64.2	96.2
39	50.5	41.6	62.4





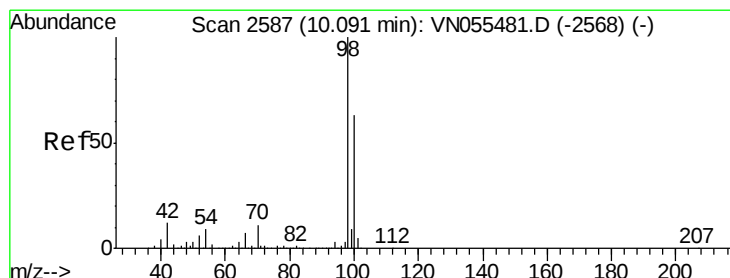
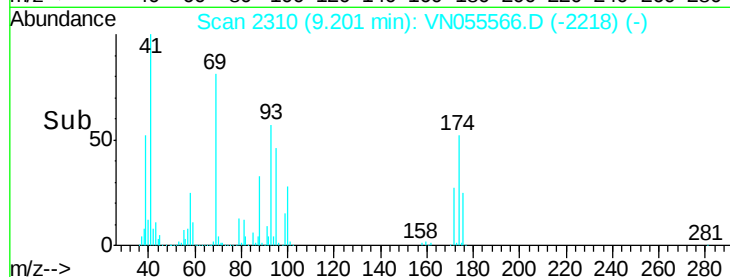
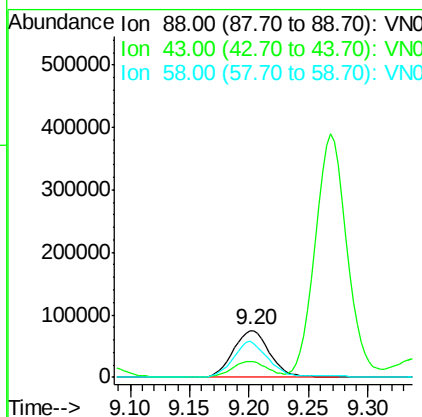
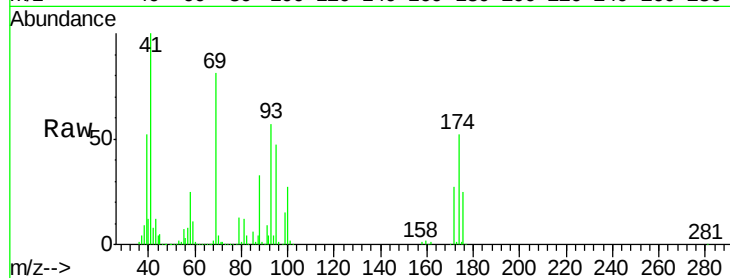
#49
1,4-Dioxane
Concen: 889.678 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	27.8	41.8
58	72.8	61.8	92.6

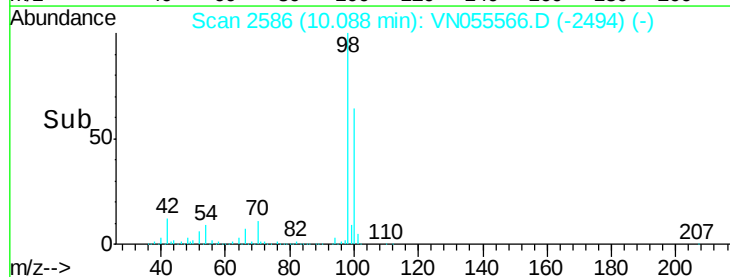
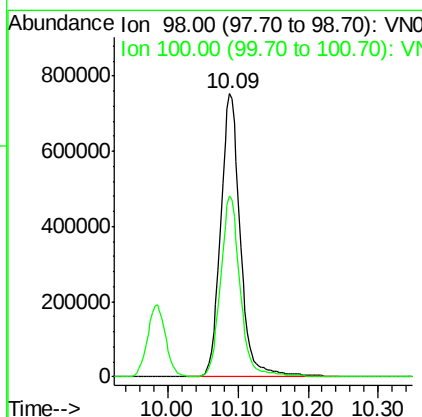
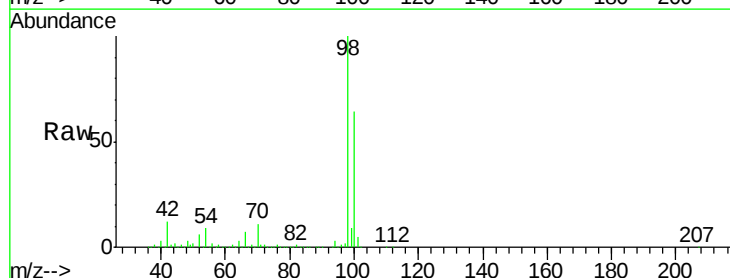
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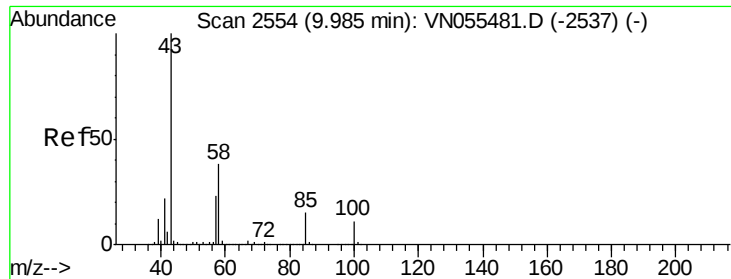
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#50
Toluene-d8
Concen: 49.860 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 223.364 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2809232

Ion Ratio Lower Upper

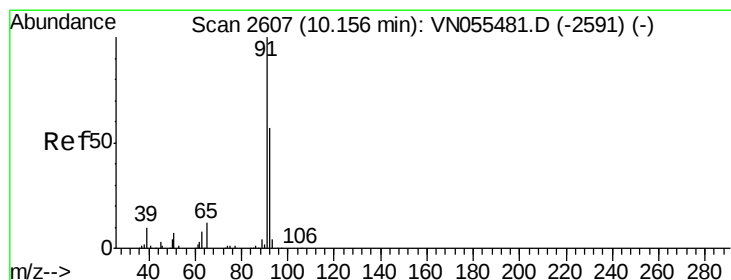
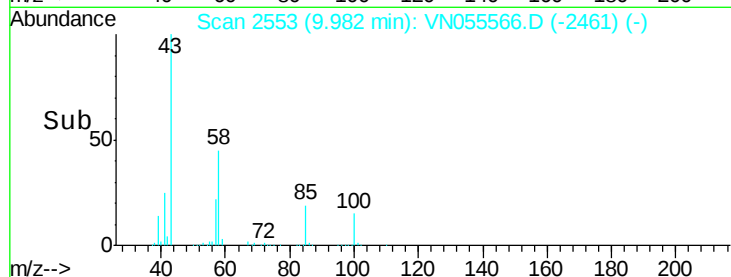
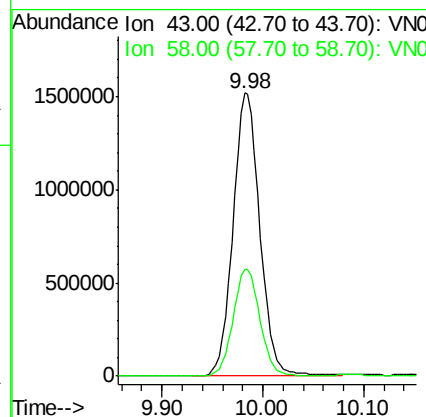
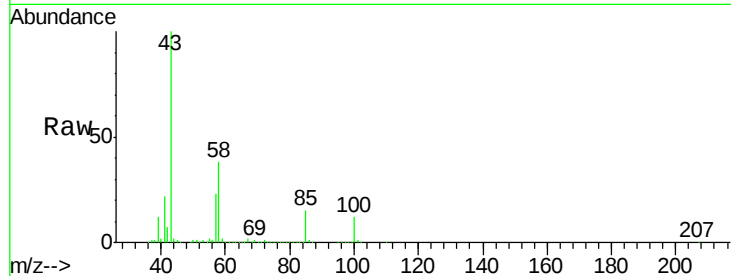
43 100

58 37.8 29.9 44.9

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#52

Toluene

Concen: 52.163 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055566.D

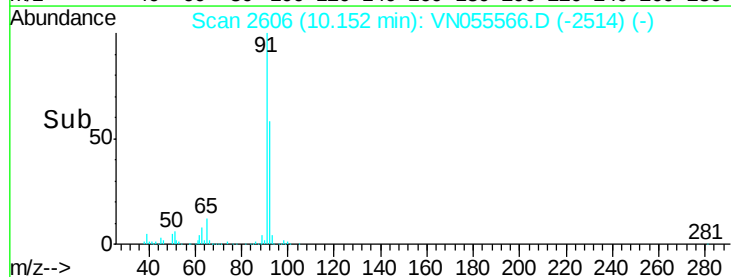
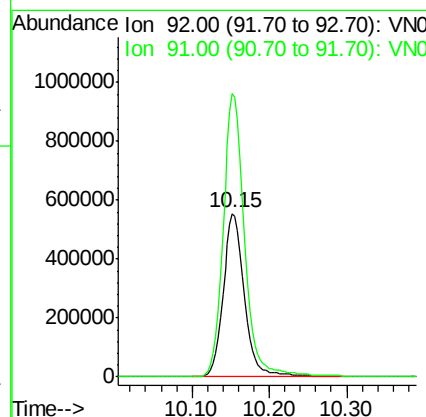
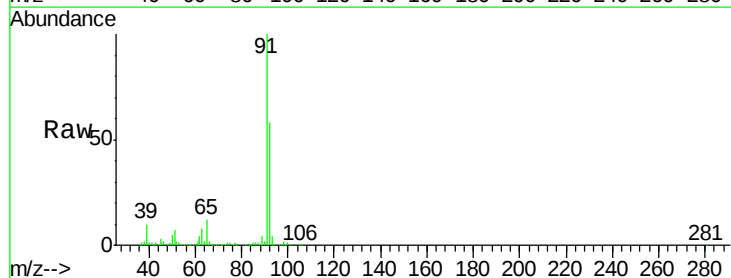
Acq: 13 May 2019 9:30

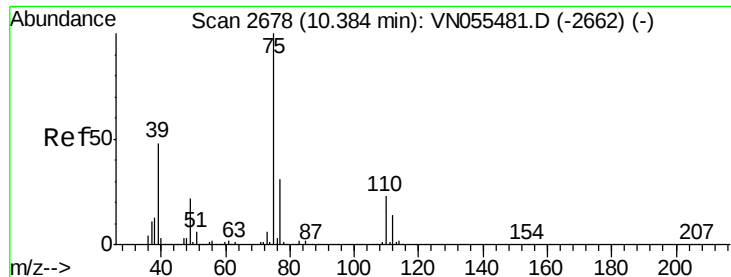
Tgt Ion: 92 Resp: 1067981

Ion Ratio Lower Upper

92 100

91 175.1 140.5 210.7





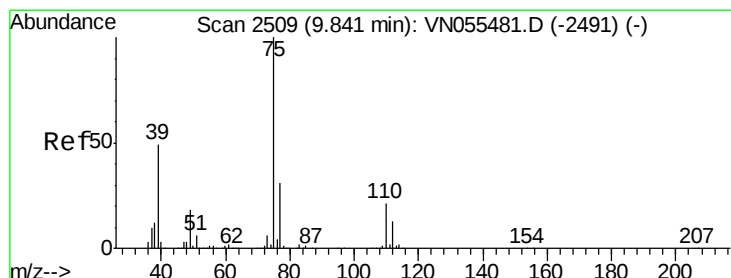
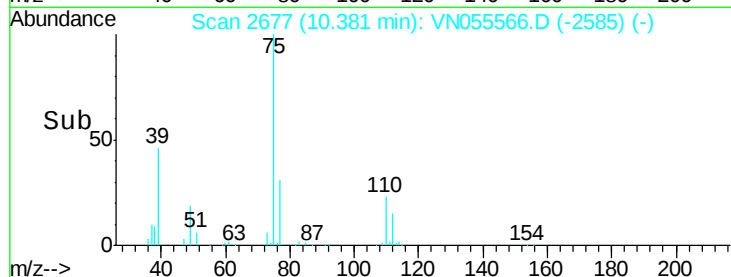
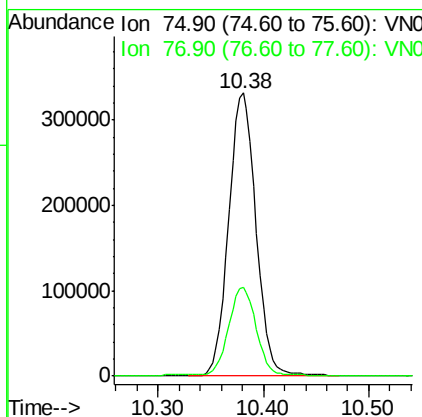
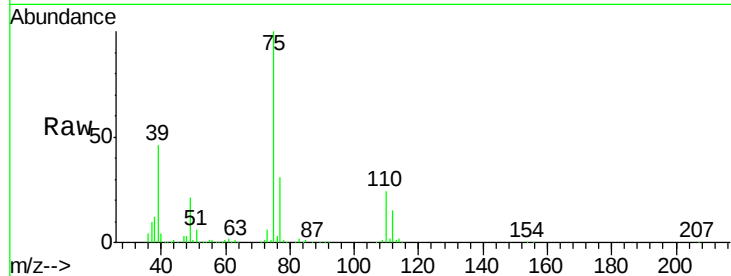
#53
t-1,3-Dichloropropene
Concen: 54.624 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 596109
Ion Ratio Lower Upper
75 100
77 31.1 25.1 37.7

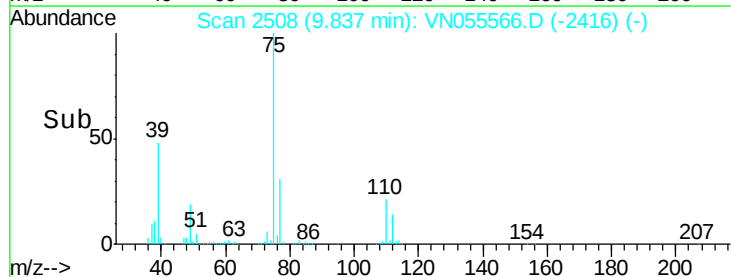
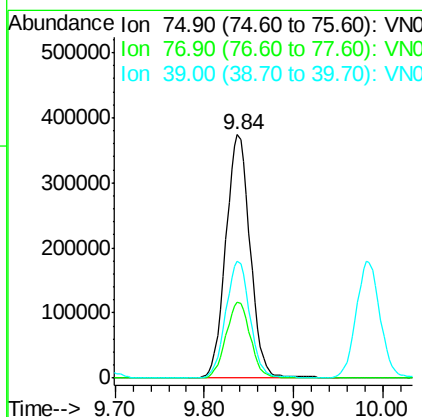
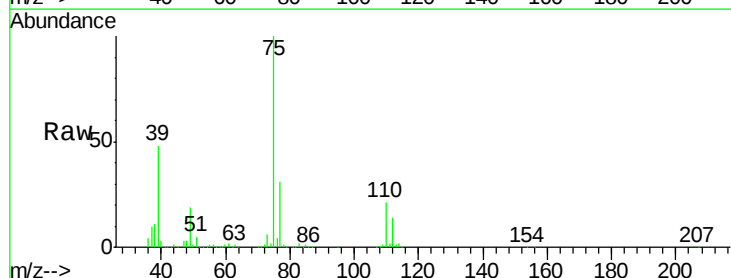
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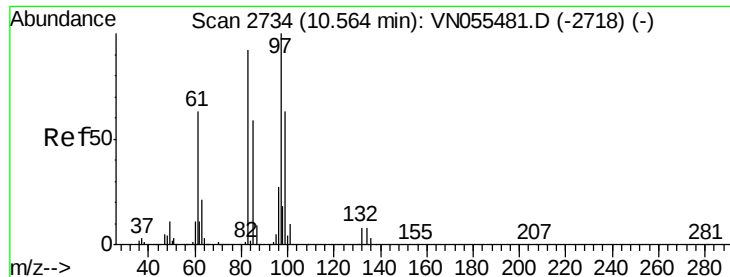
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#54
cis-1,3-Dichloropropene
Concen: 54.281 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Tgt Ion: 75 Resp: 707842
Ion Ratio Lower Upper
75 100
77 31.3 24.4 36.6
39 48.0 39.5 59.3





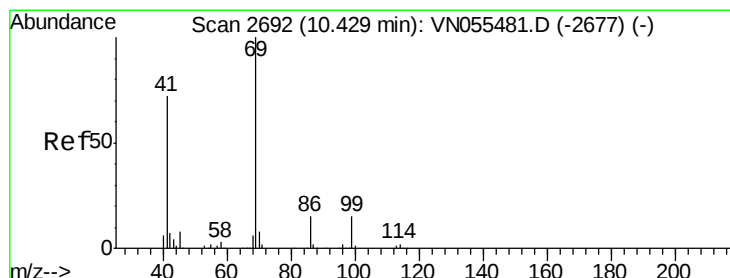
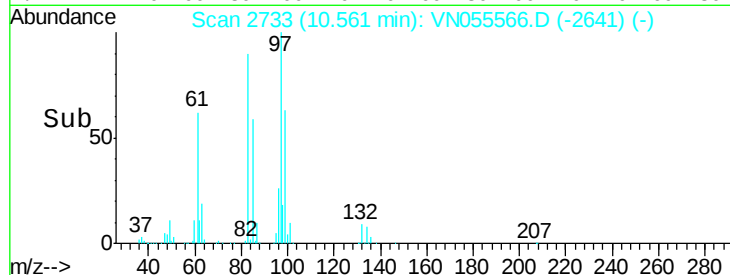
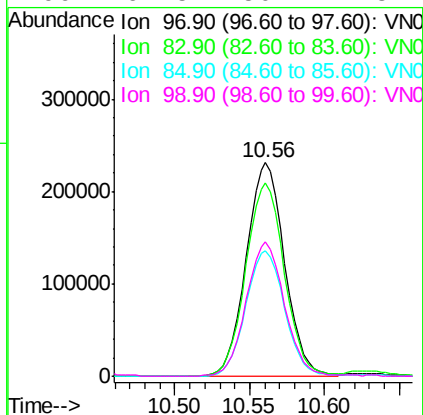
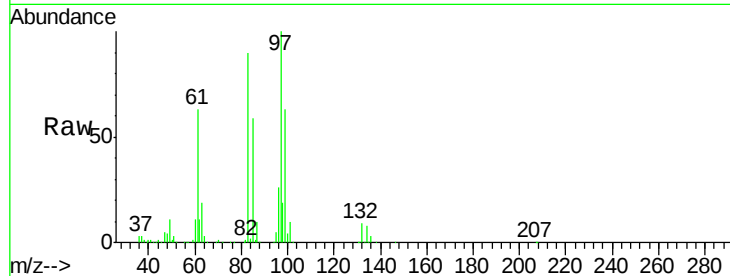
#55
 1,1,2-Trichloroethane
 Concen: 49.678 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	412097
Ion	Ratio	Lower	Upper
97	100		
83	90.3	73.2	109.8
85	59.0	47.5	71.3
99	62.5	50.2	75.2

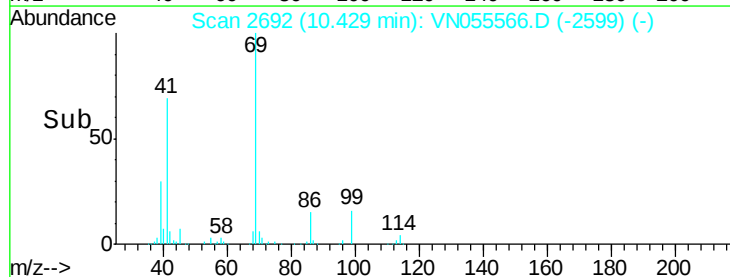
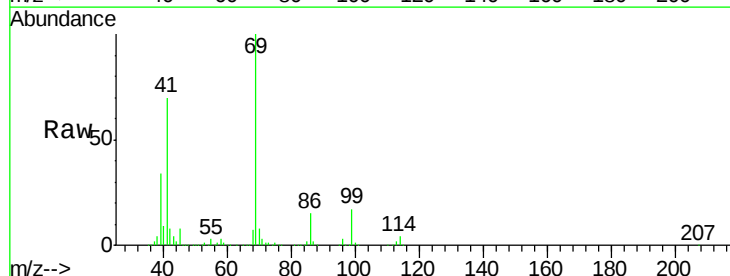
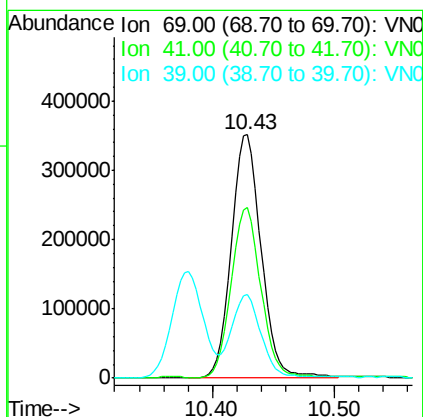
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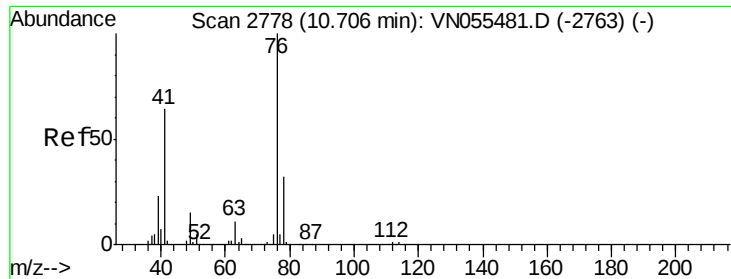
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#56
 Ethyl methacrylate
 Concen: 48.697 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Tgt Ion:	69	Resp:	600865
Ion	Ratio	Lower	Upper
69	100		
41	68.9	56.2	84.2
39	33.1	27.8	41.6





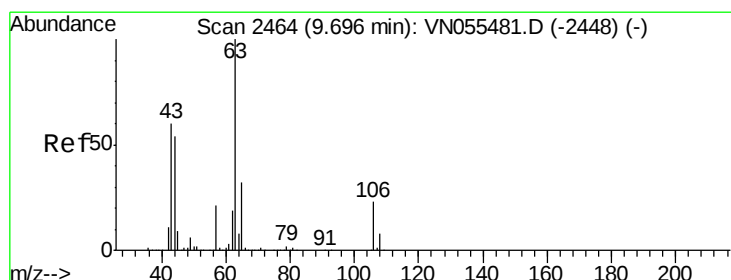
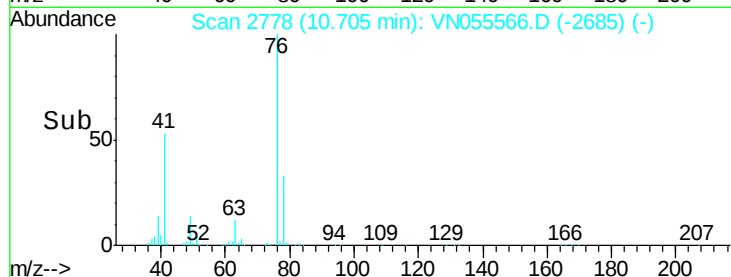
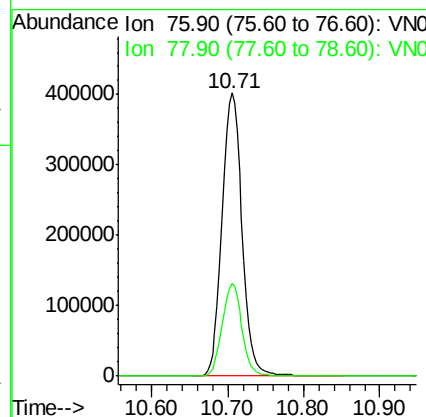
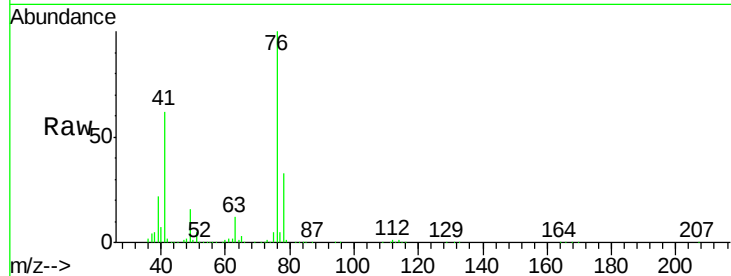
#57
 1,3-Dichloropropane
 Concen: 49.940 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

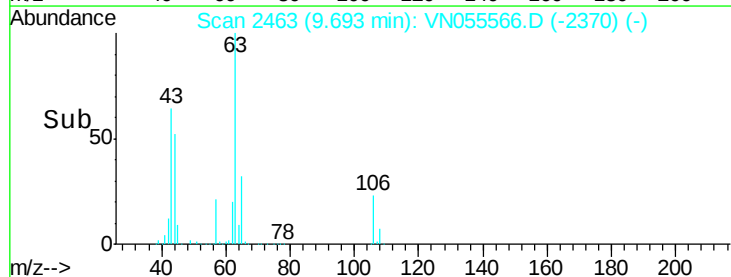
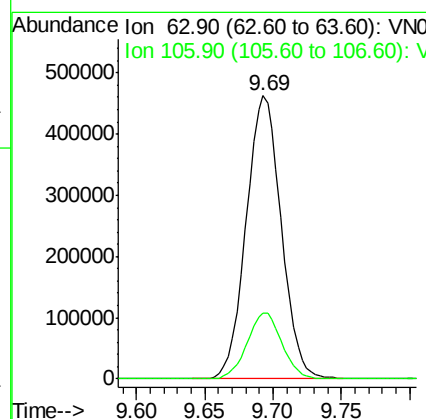
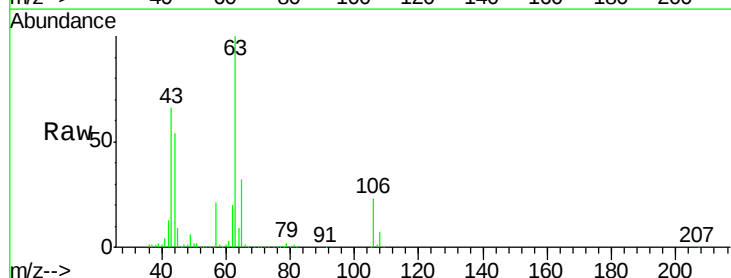
Manual Integrations
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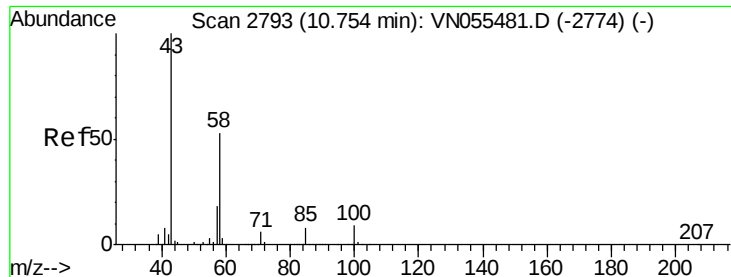
MMDadoda
 5/14/2019 9:37:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 201.081 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.3	18.6	27.8





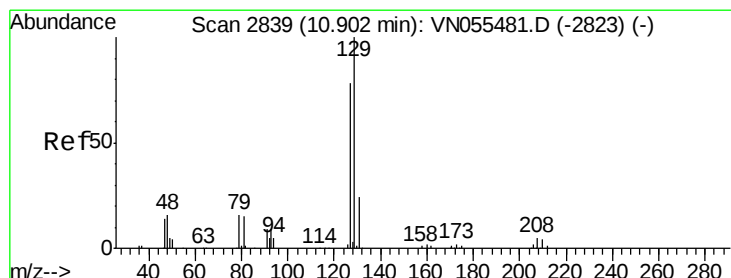
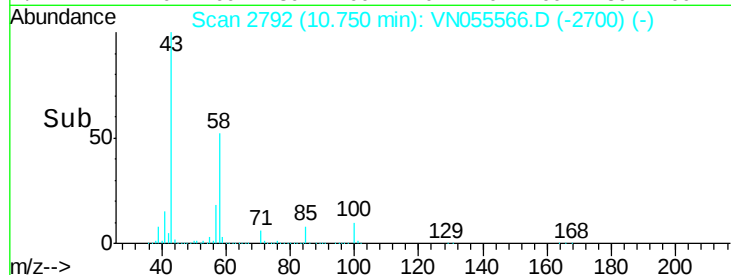
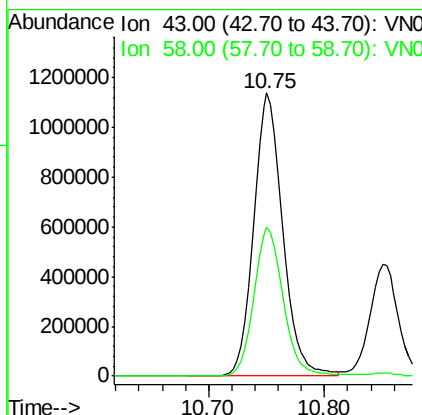
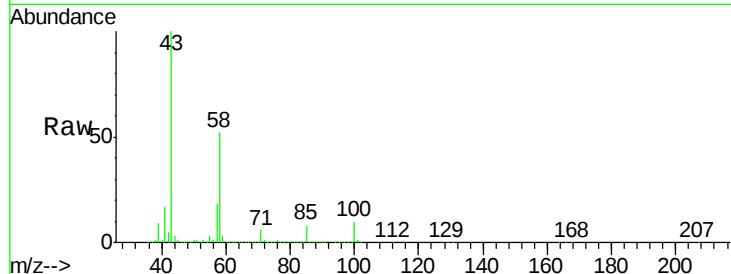
#59
2-Hexanone
Concen: 225.590 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1989751
Ion Ratio Lower Upper
43 100
58 53.2 26.4 79.0

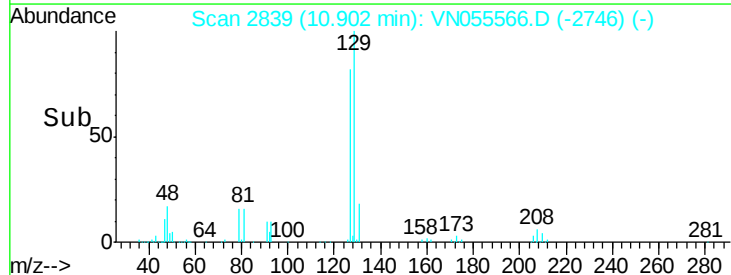
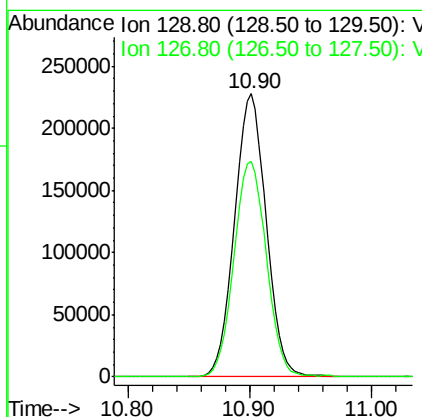
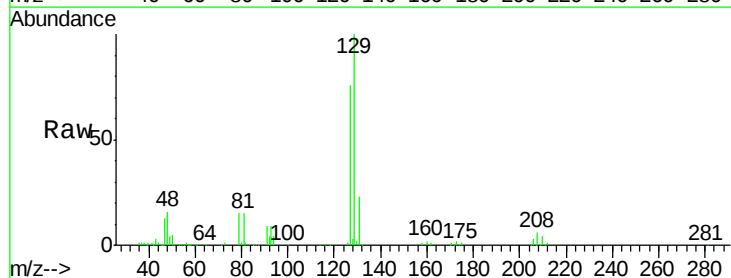
Manual Integrations
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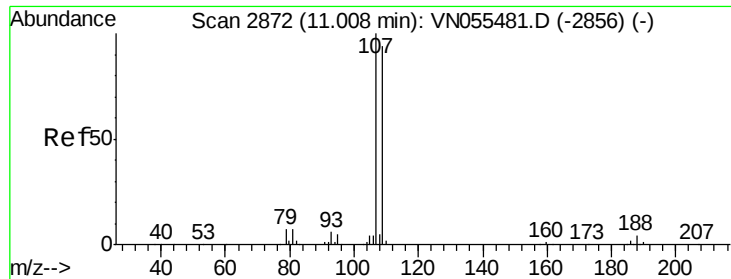
MMDadoda
5/14/2019 9:37:52 AM



#60
Dibromochloromethane
Concen: 54.369 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Tgt Ion: 129 Resp: 410058
Ion Ratio Lower Upper
129 100
127 77.7 38.6 116.0





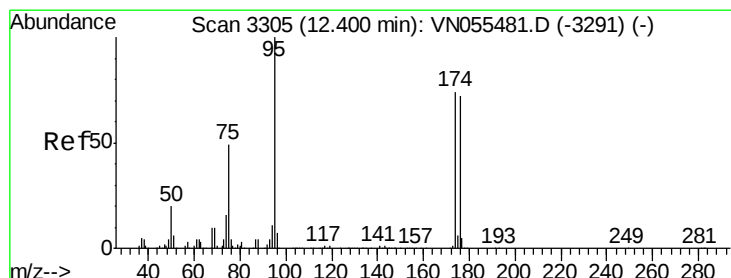
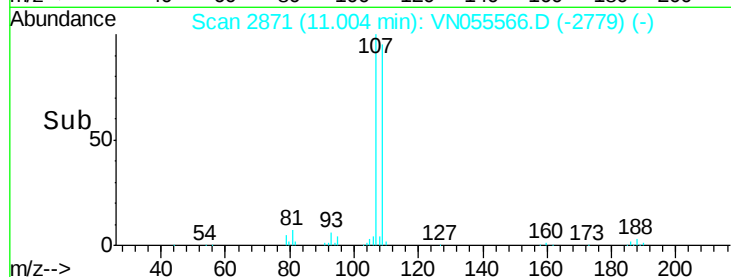
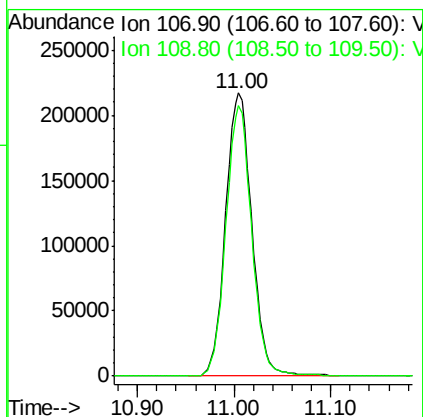
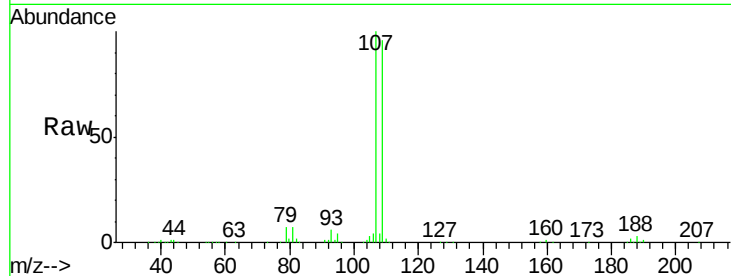
#61
 1,2-Dibromoethane
 Concen: 51.426 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	74.2	111.4

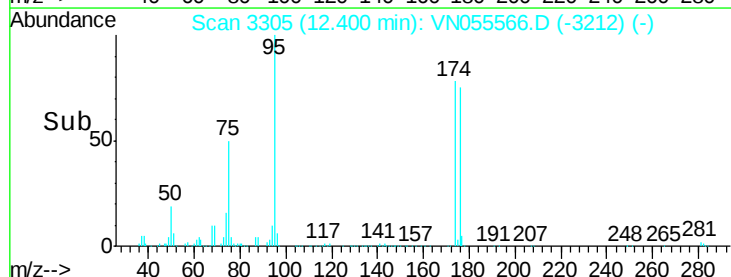
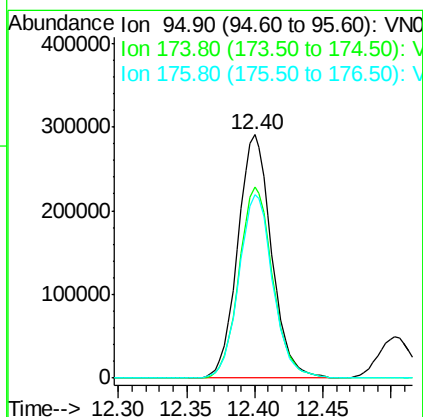
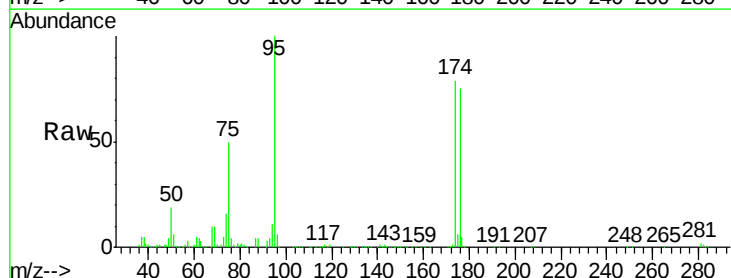
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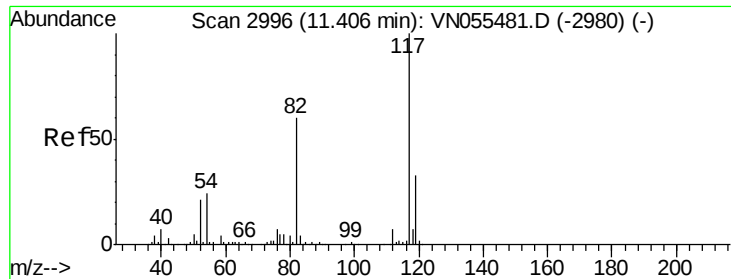
MMDadoda
 5/14/2019 9:37:52 AM



#62
 4-Bromofluorobenzene
 Concen: 50.329 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.7	0.0	152.2
176	75.8	0.0	147.8





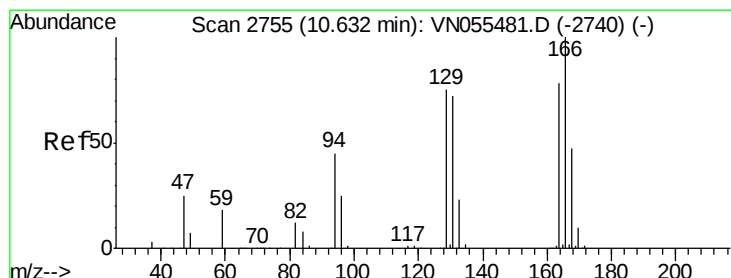
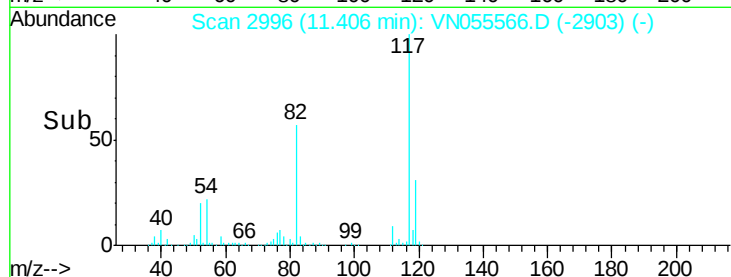
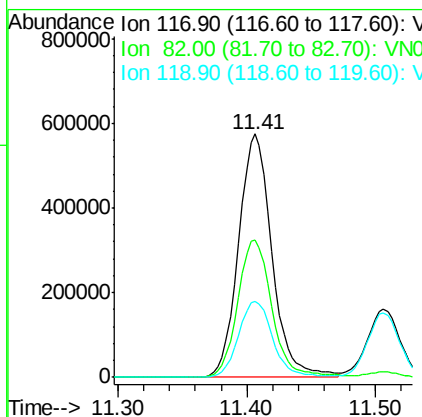
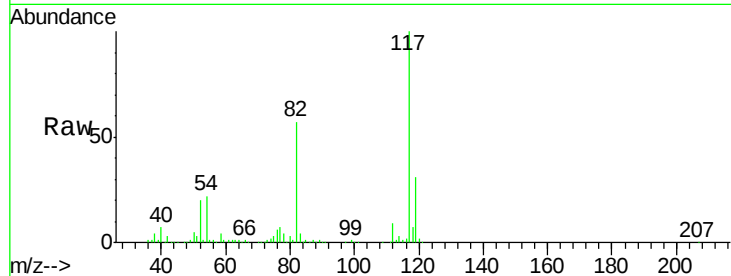
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	48.0	72.0
119	31.4	26.0	39.0

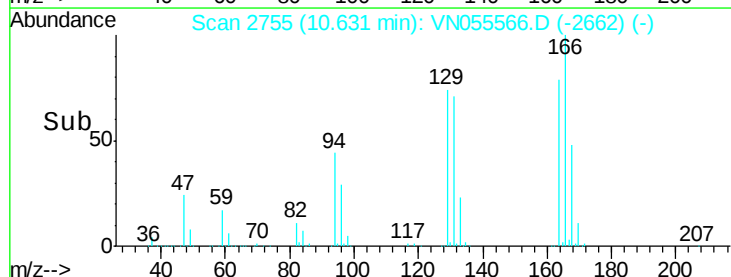
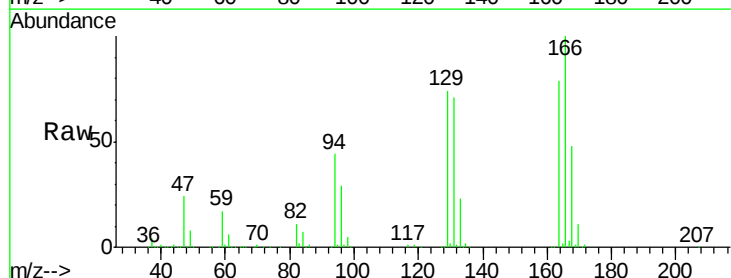
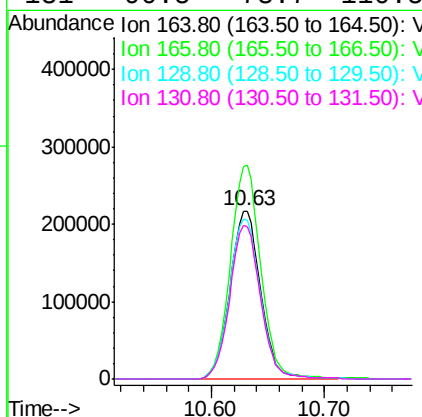
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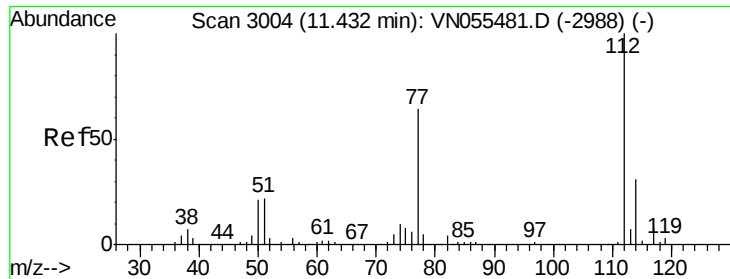
MMDadoda
5/14/2019 9:37:52 AM



#64
Tetrachloroethene
Concen: 48.200 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.6	153.8
129	94.1	77.0	115.6
131	90.5	73.7	110.5





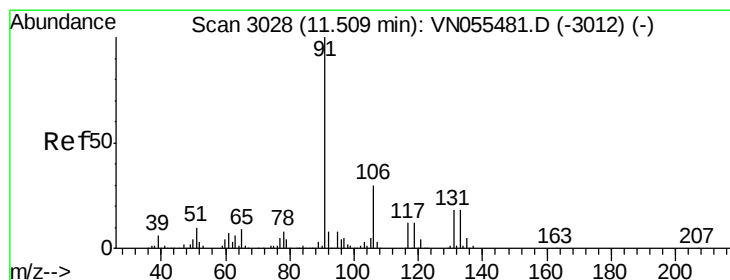
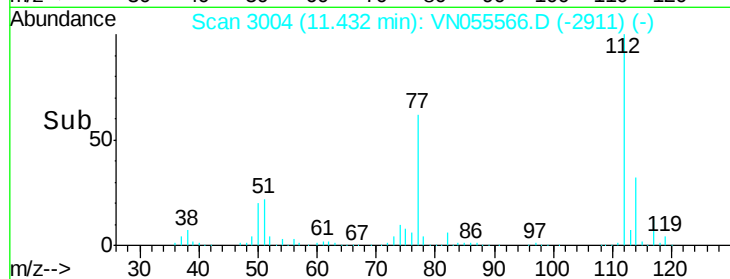
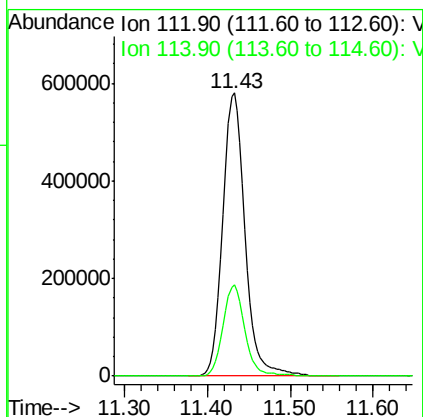
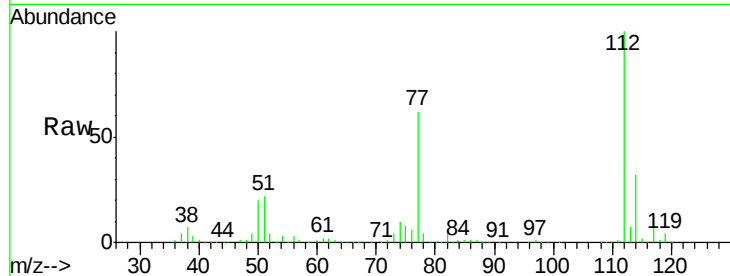
#65
Chlorobenzene
Concen: 50.681 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1080429
Ion Ratio Lower Upper
112 100
114 32.1 25.0 37.4

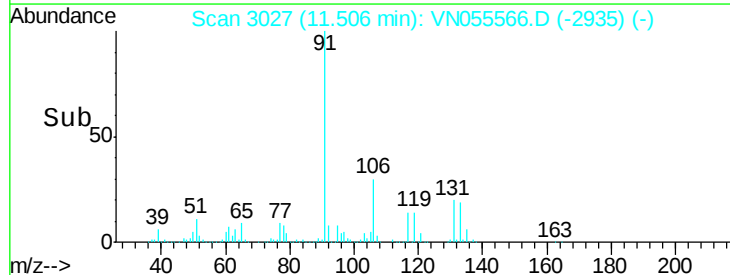
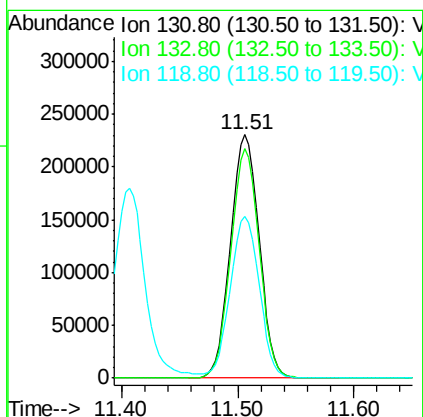
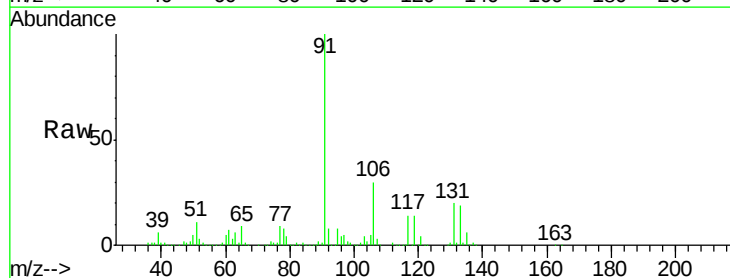
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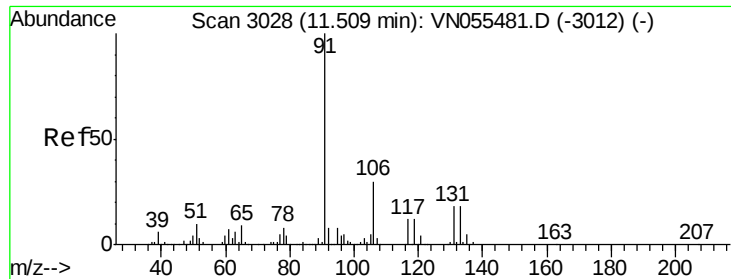
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.627 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Tgt Ion:131 Resp: 393580
Ion Ratio Lower Upper
131 100
133 93.4 47.4 142.2
119 67.1 34.1 102.2





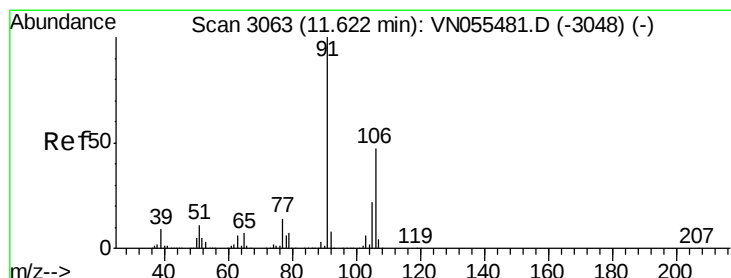
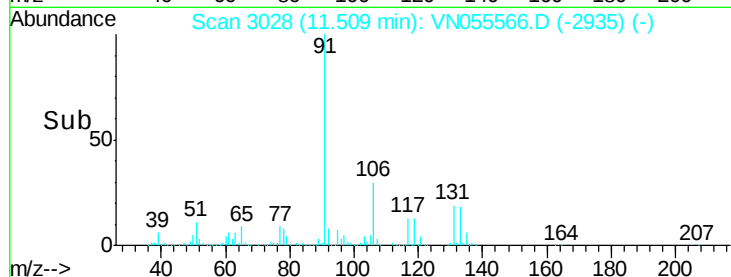
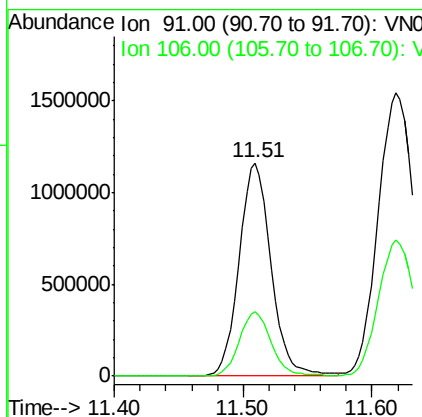
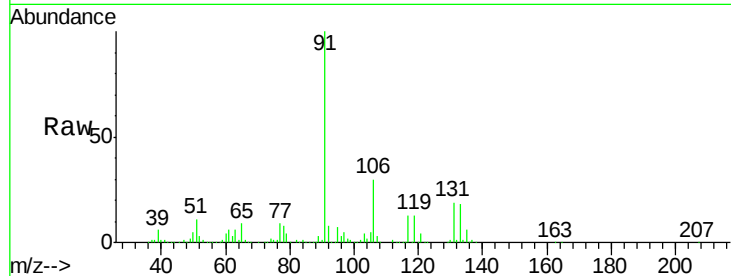
#67
Ethyl Benzene
Concen: 50.093 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2005664
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.6

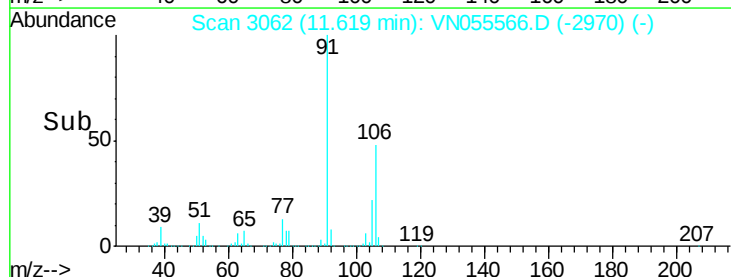
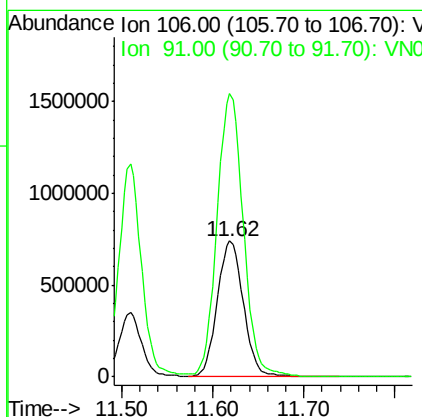
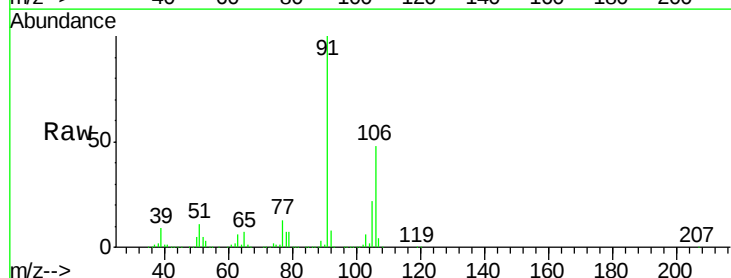
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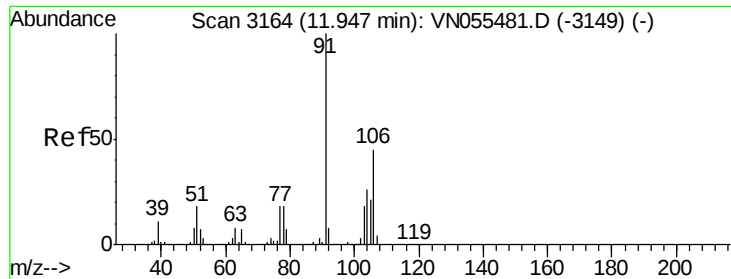
MMDadoda
5/14/2019 9:37:52 AM



#68
m/p-Xylenes
Concen: 103.130 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Tgt Ion: 106 Resp: 1481864
Ion Ratio Lower Upper
106 100
91 209.3 169.2 253.8





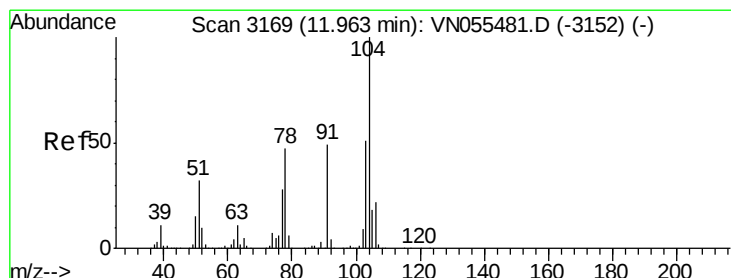
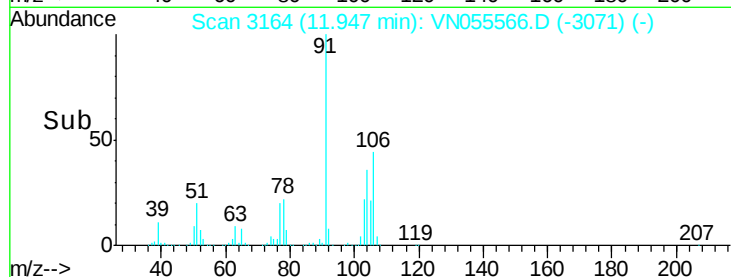
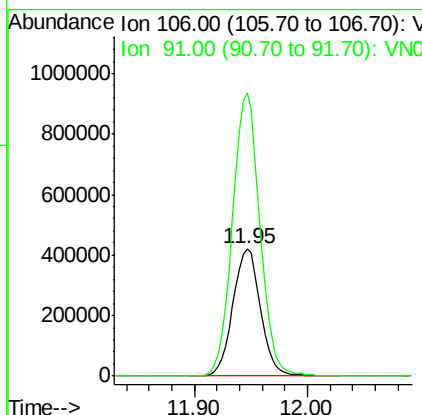
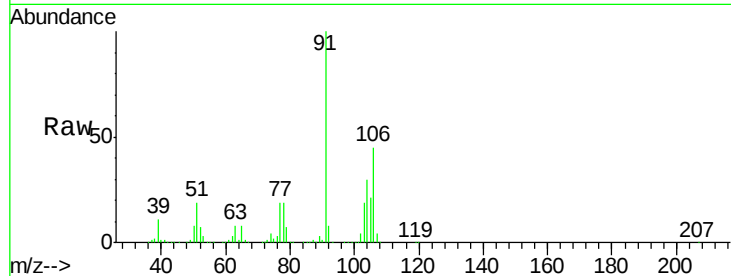
#69
o-Xylene
Concen: 50.770 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	220.6	111.3	333.8	

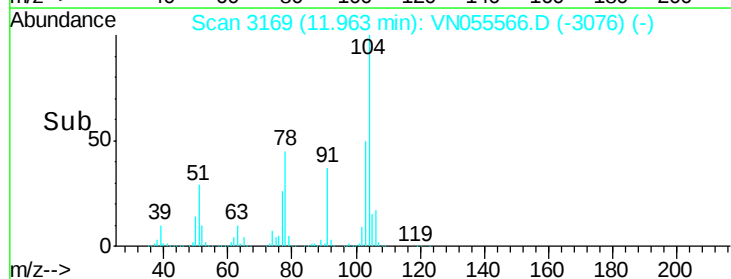
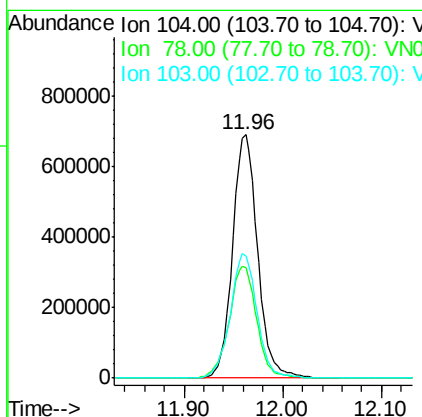
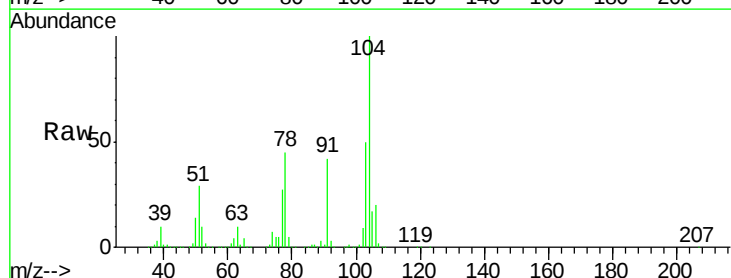
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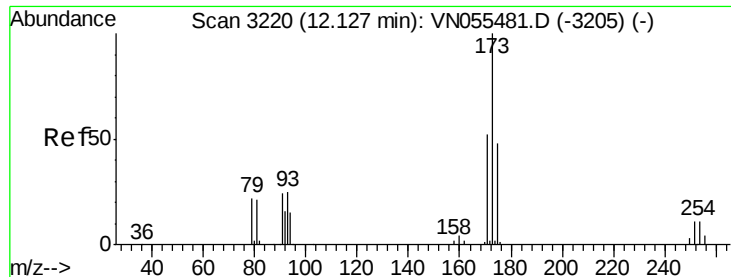
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#70
Styrene
Concen: 53.986 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.3	41.6	62.4	
103	54.7	44.4	66.6	





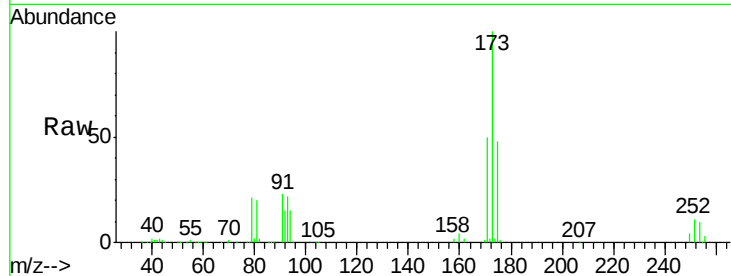
#71
Bromoform
Concen: 54.219 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.4
254	0.1	0.1	0.1

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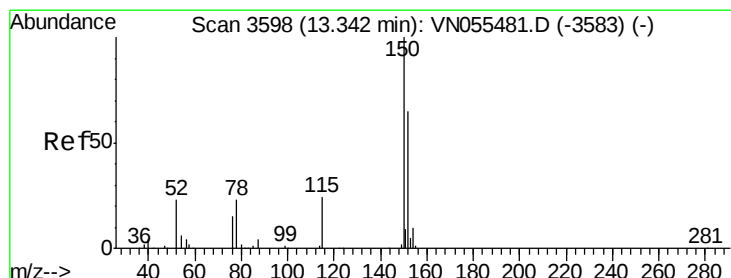
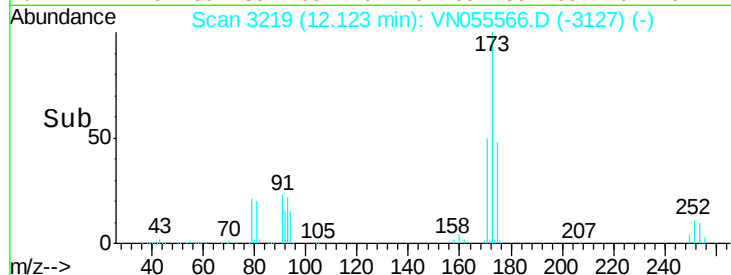
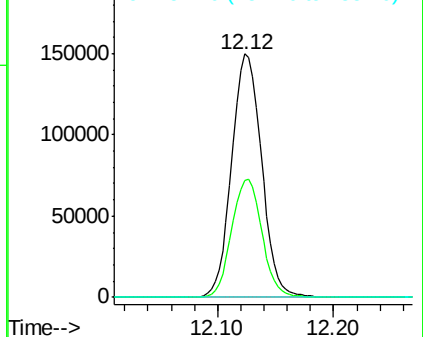


Abundance

Ion 172.70 (172.40 to 173.40): V

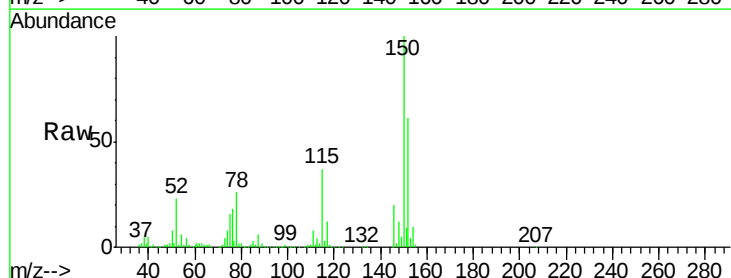
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.1	90.5
150	177.3	0.0	355.0

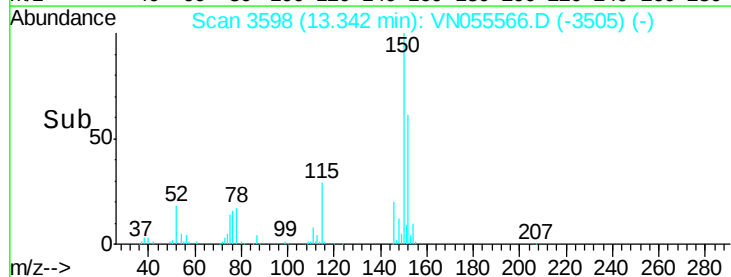
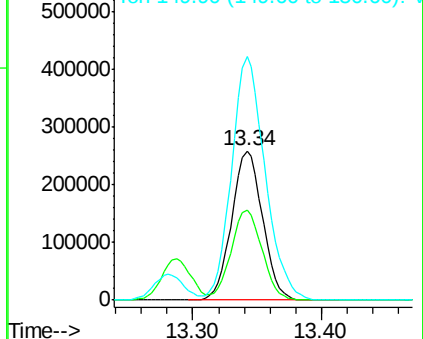


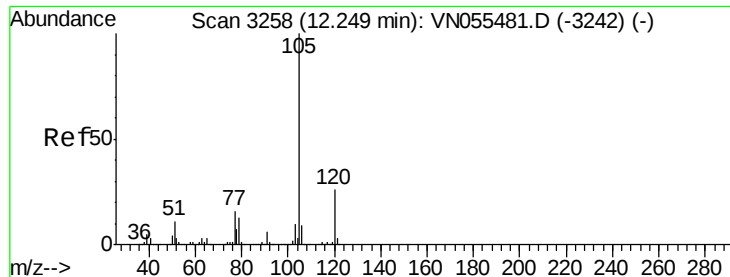
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.649 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1928350

Ion Ratio Lower Upper

105 100

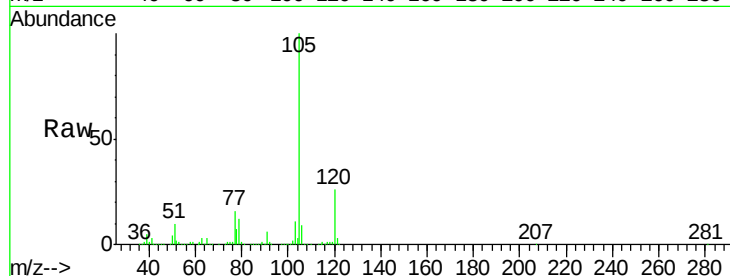
120 25.8 13.0 39.0

Manual Integrations

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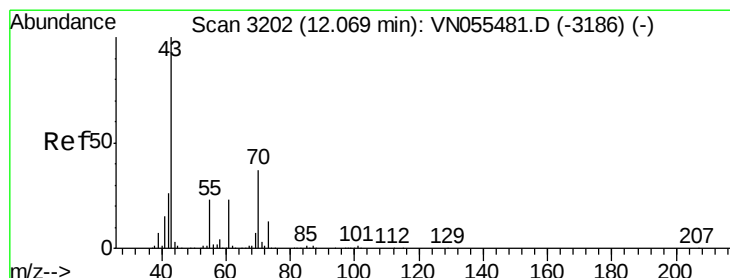
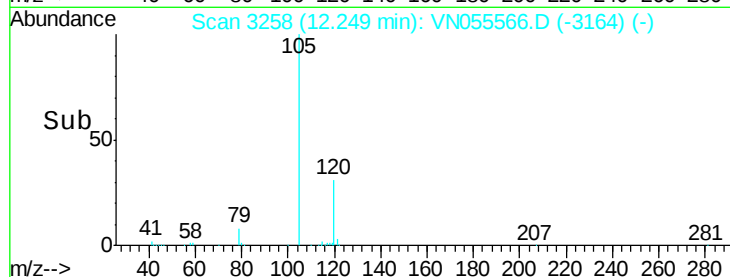
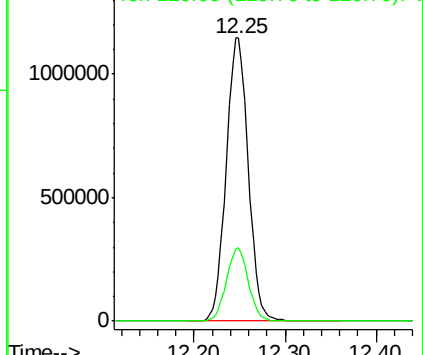
MMDadoda

5/14/2019 9:37:52 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.584 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Tgt Ion: 43 Resp: 711137

Ion Ratio Lower Upper

43 100

70 39.8 30.7 46.1

55 24.9 19.3 28.9

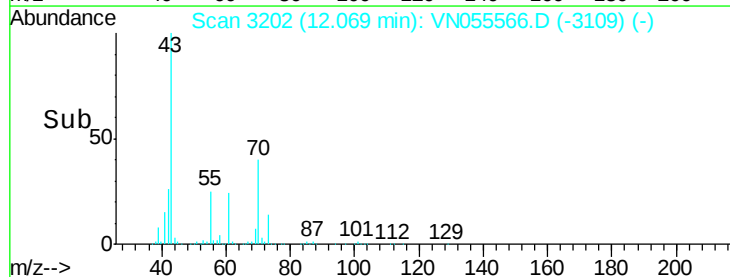
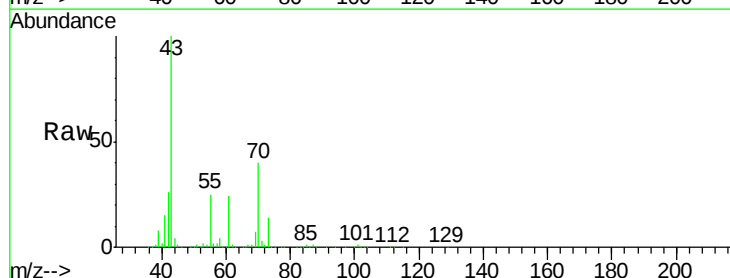
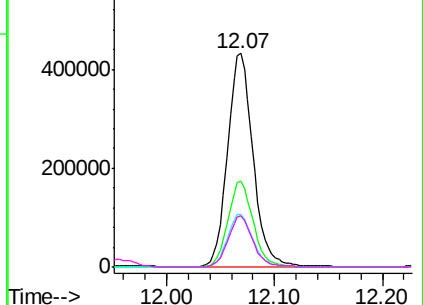
61 23.3 18.6 27.8

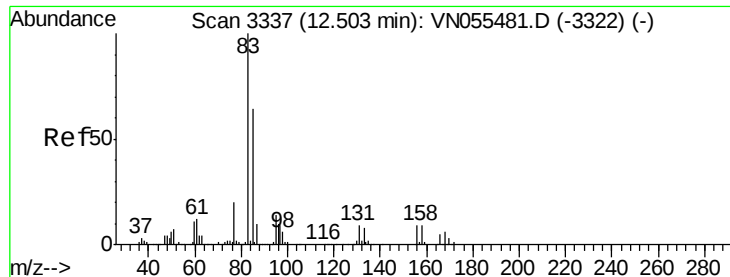
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.891 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Instrument :

MSVOA_N

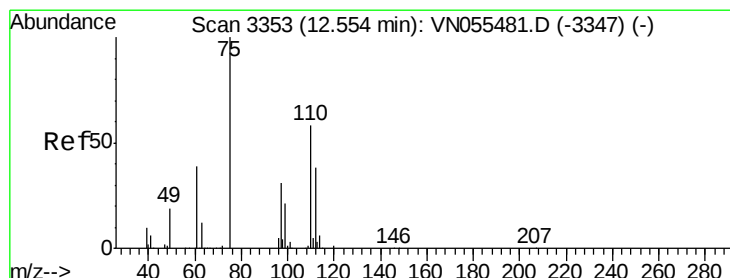
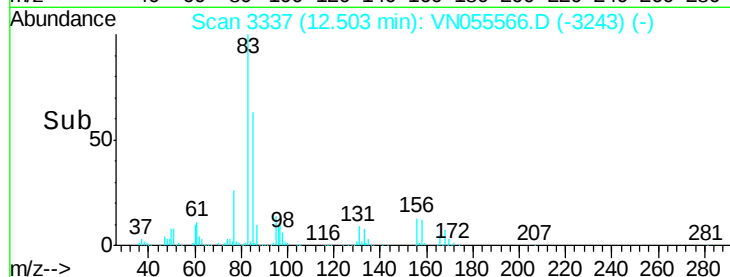
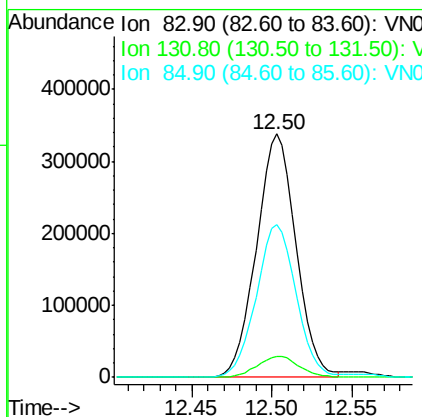
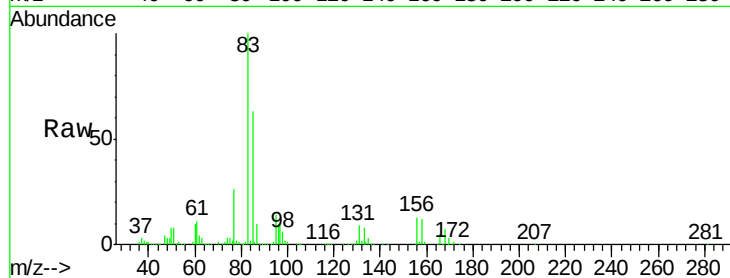
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	574905
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.5	13.5
85	63.3	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.197 ug/l m

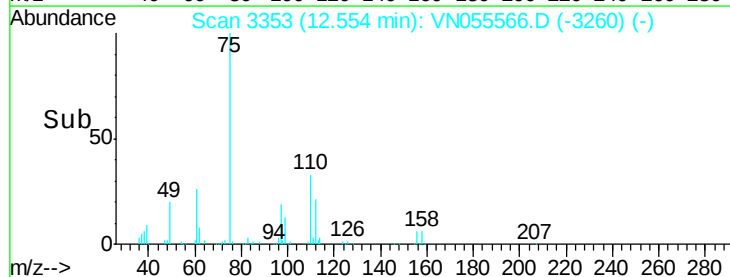
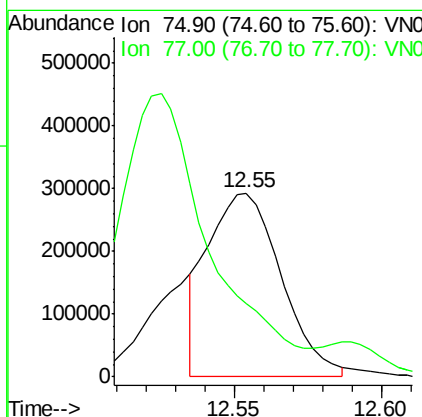
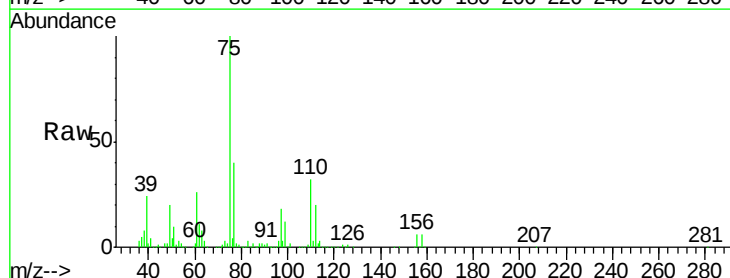
RT: 12.55 min Scan# 3353

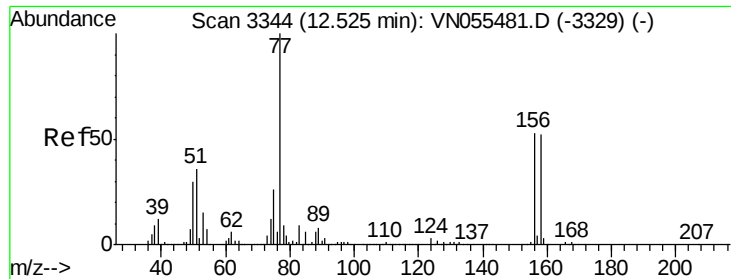
Delta R.T. 0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Tgt Ion:	75	Resp:	505388
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.658 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Instrument :

MSVOA_N

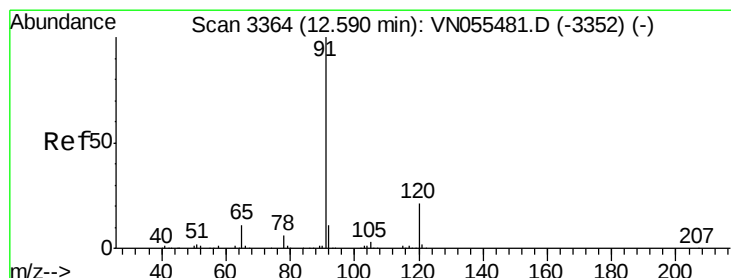
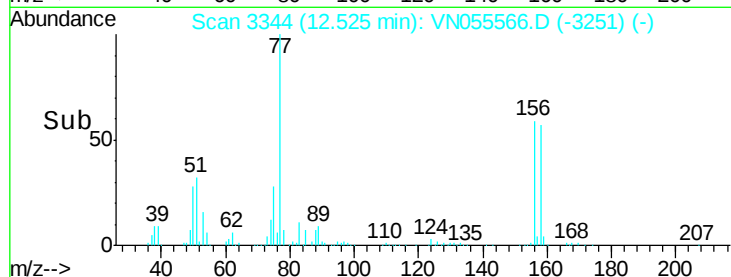
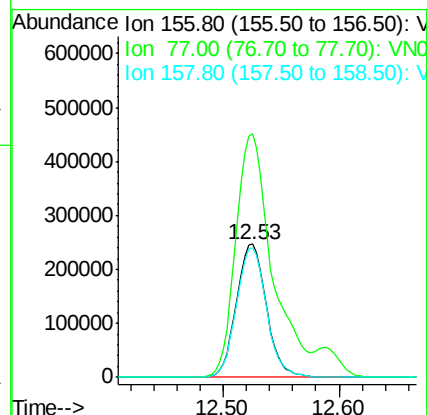
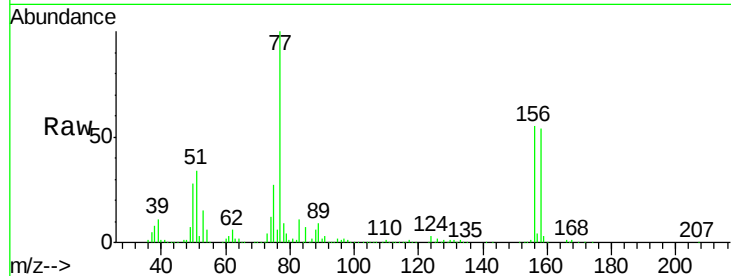
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	222.3	115.4	346.2
158	97.6	48.7	146.1

Manual Integrations
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#78

n-propylbenzene

Concen: 47.844 ug/l

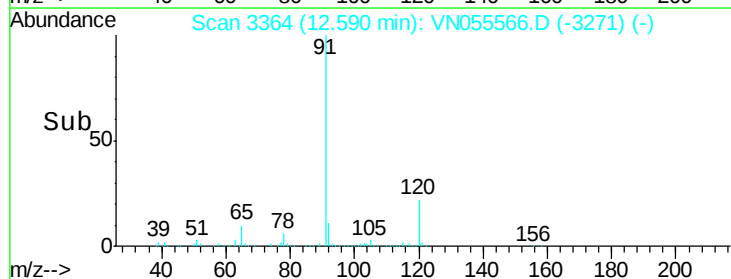
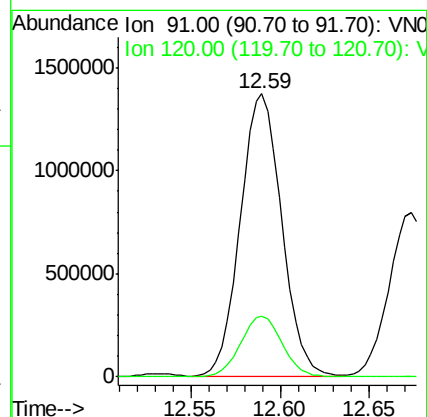
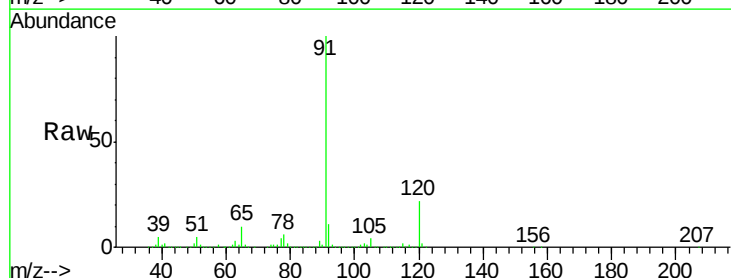
RT: 12.59 min Scan# 3364

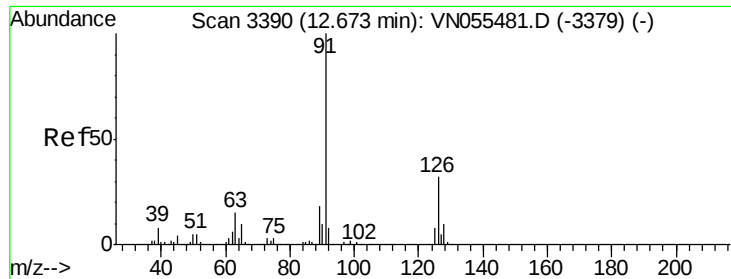
Delta R.T. -0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.3





#79

2-Chlorotoluene

Concen: 46.161 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1326056

Ion Ratio Lower Upper

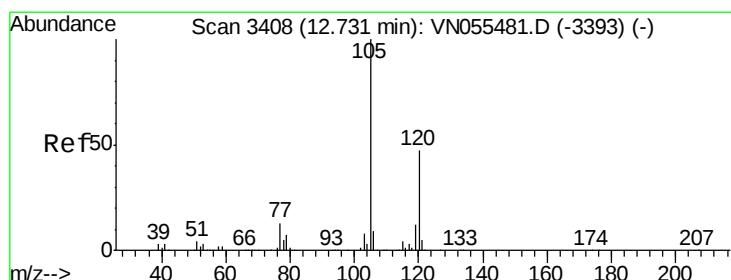
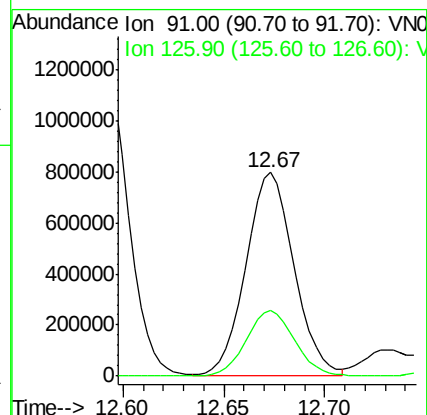
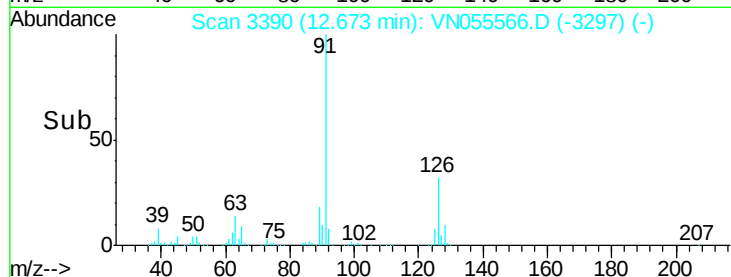
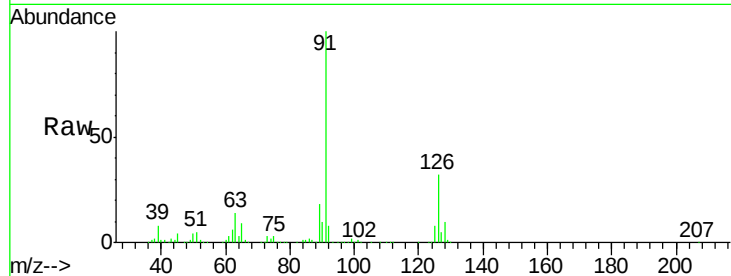
91 100

126 32.8 16.0 47.9

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 46.905 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055566.D

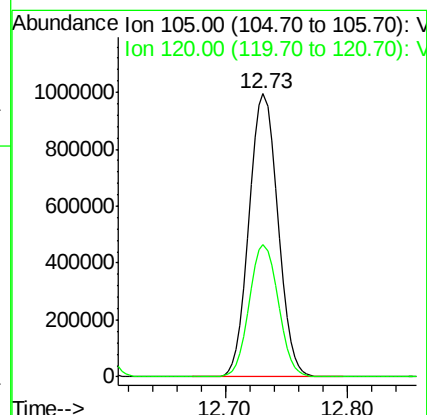
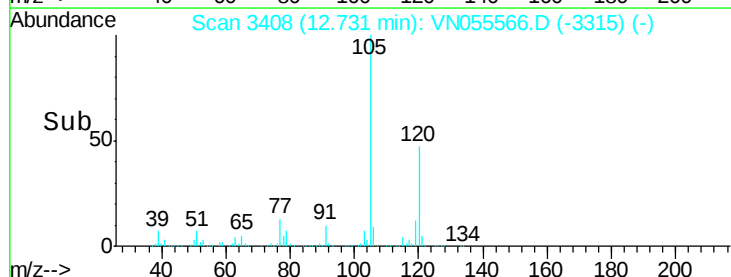
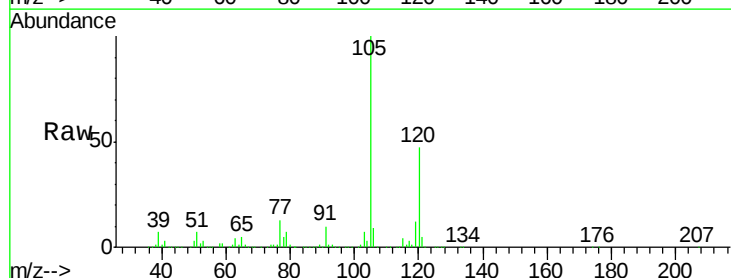
Acq: 13 May 2019 9:30

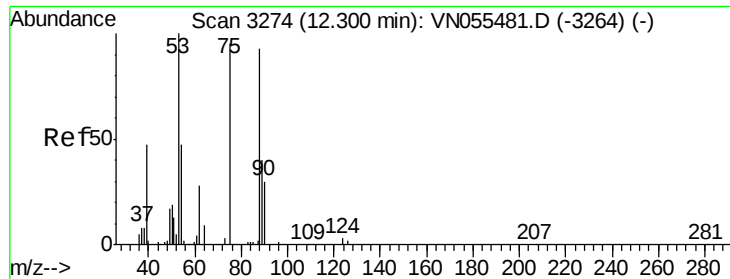
Tgt Ion: 105 Resp: 1612162

Ion Ratio Lower Upper

105 100

120 47.3 23.4 70.0





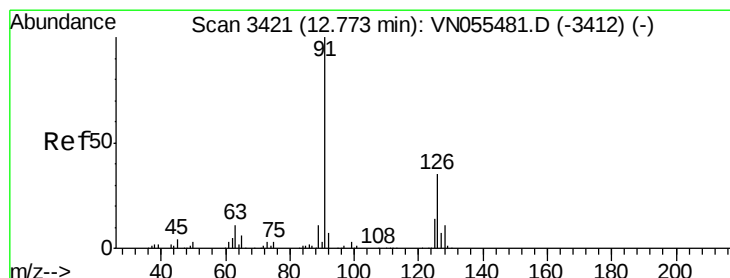
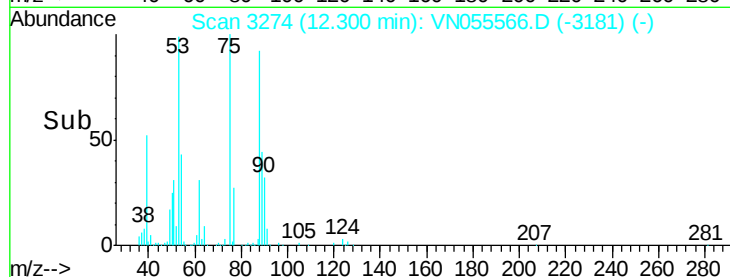
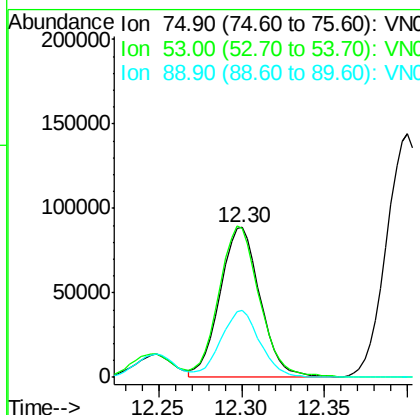
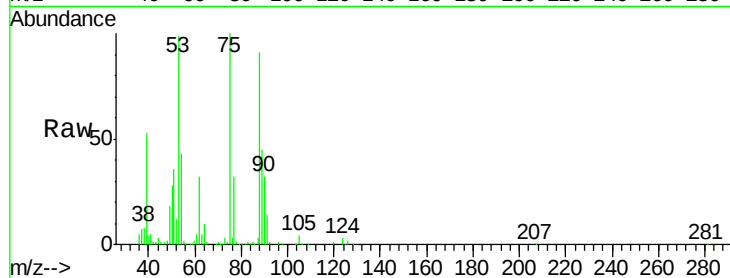
#81
trans-1,4-Dichloro-2-butene
Concen: 46.492 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.4	86.5	129.7
89	44.4	35.7	53.5

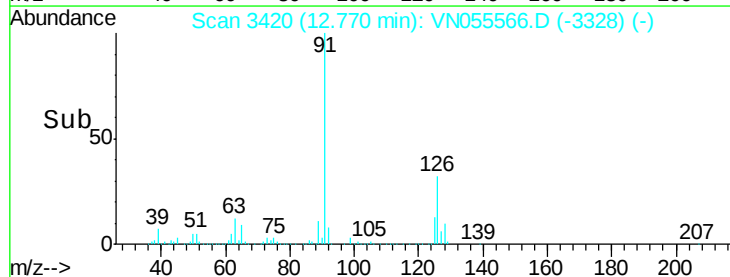
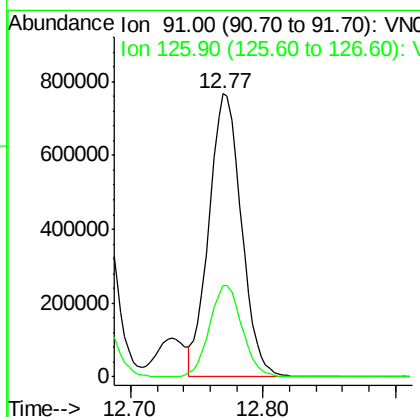
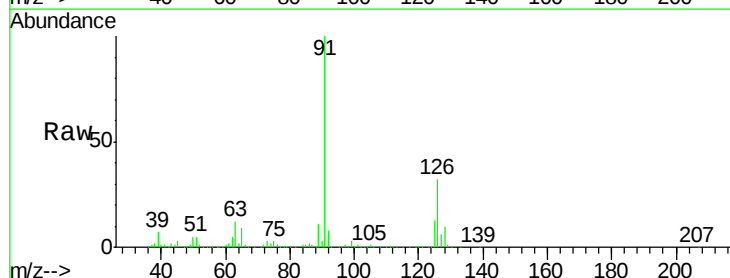
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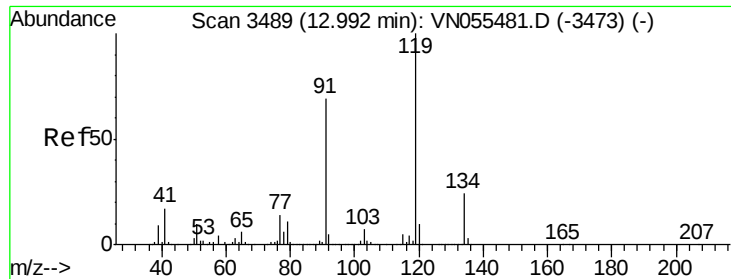
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#82
4-Chlorotoluene
Concen: 48.009 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	15.7	47.0





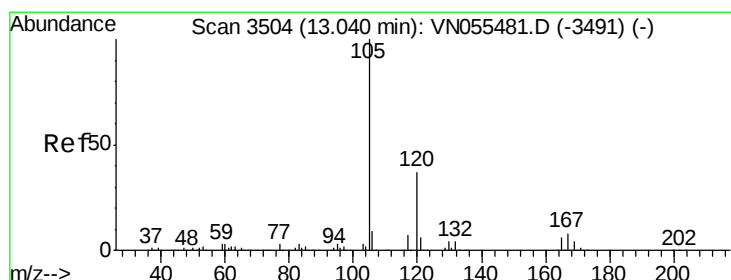
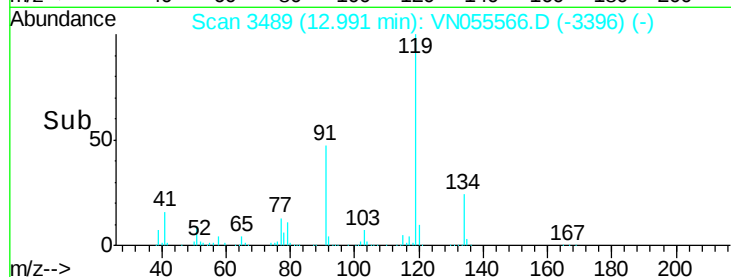
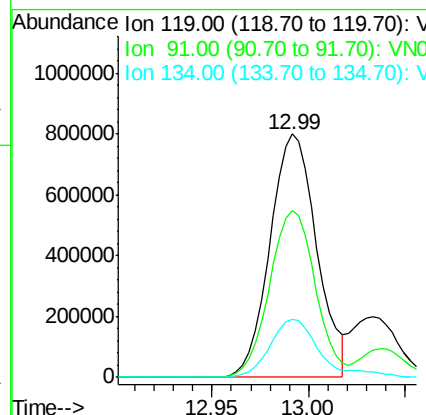
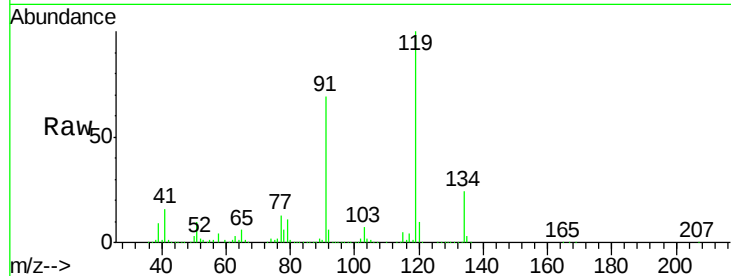
#83
 tert-Butylbenzene
 Concen: 45.585 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:119 Resp: 1342969
 Ion Ratio Lower Upper
 119 100
 91 67.4 33.8 101.3
 134 25.5 12.5 37.5

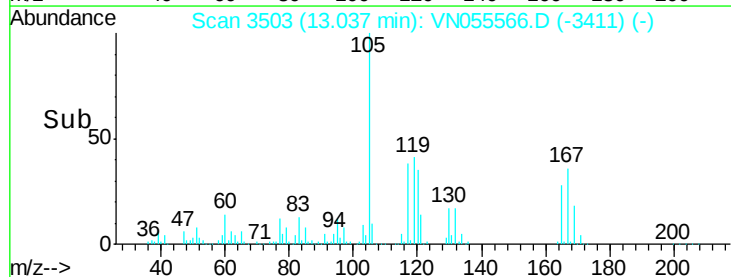
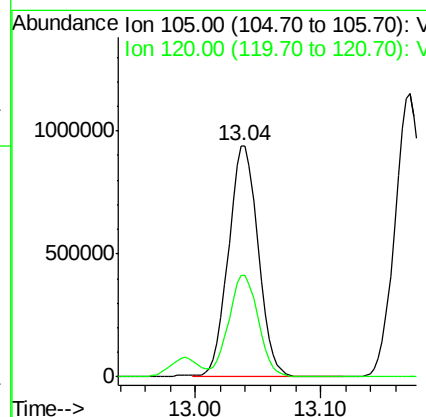
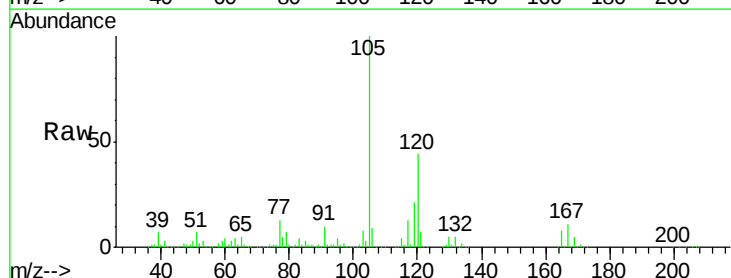
Manual Integrations
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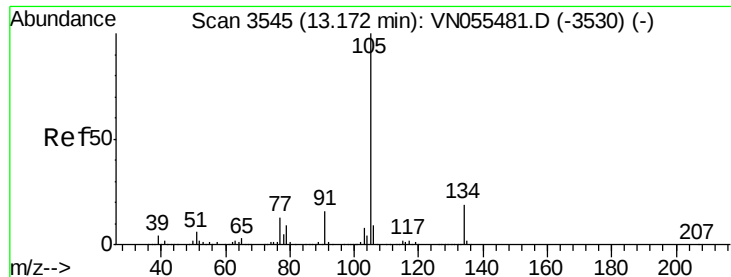
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.923 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Tgt Ion:105 Resp: 1542161
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.1 66.5





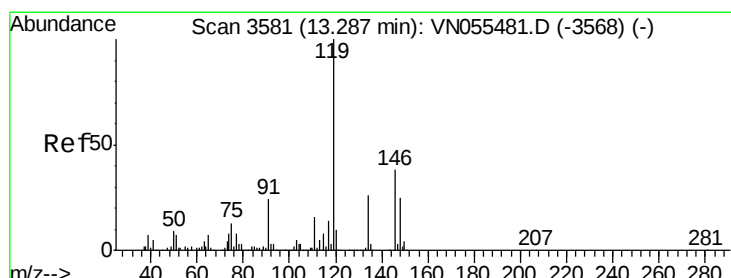
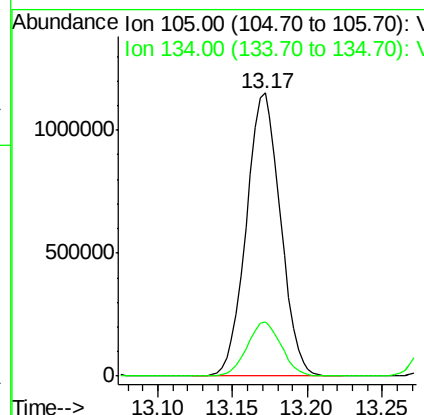
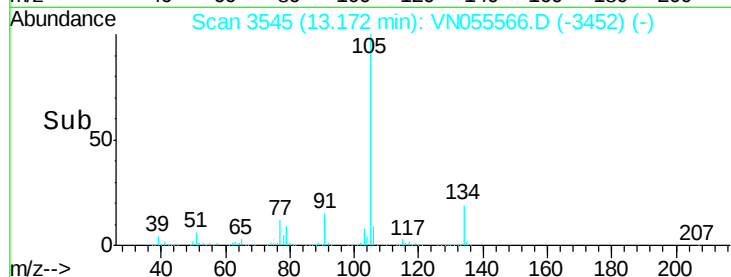
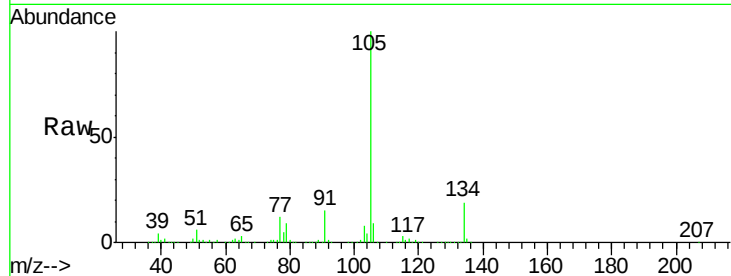
#85
 sec-Butylbenzene
 Concen: 46.700 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1828472
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.3 28.0

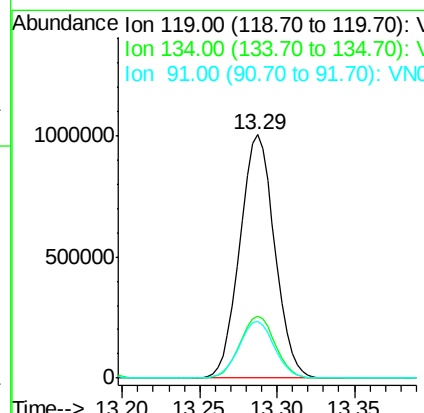
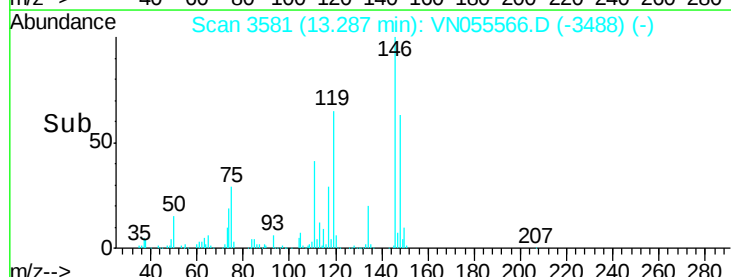
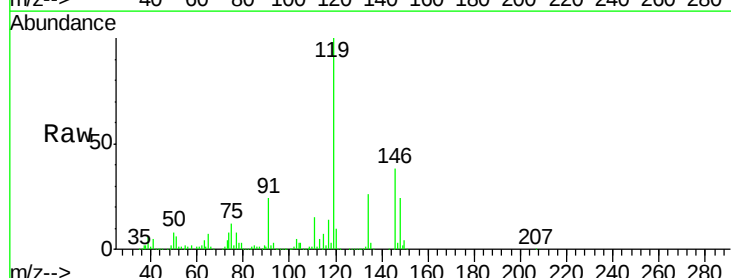
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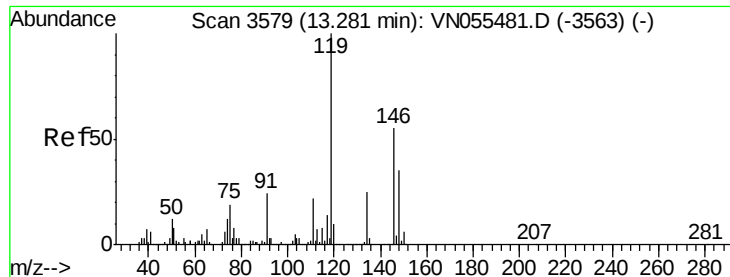
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#86
 p-Isopropyltoluene
 Concen: 49.096 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Tgt Ion:119 Resp: 1564456
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.8 38.4
 91 23.8 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 50.731 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Instrument :

MSVOA_N

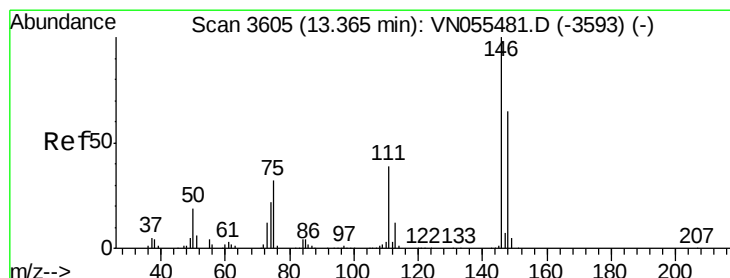
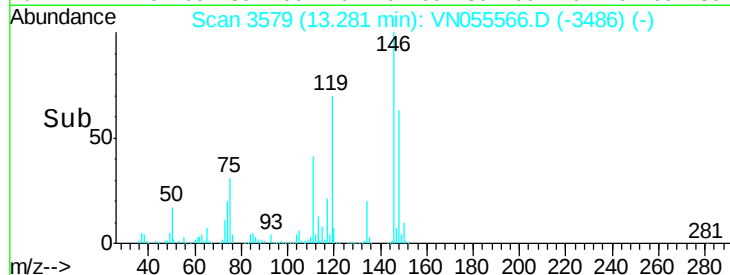
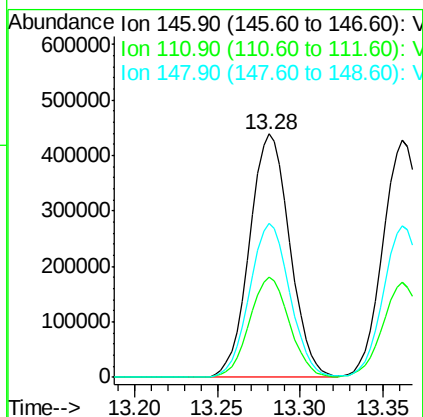
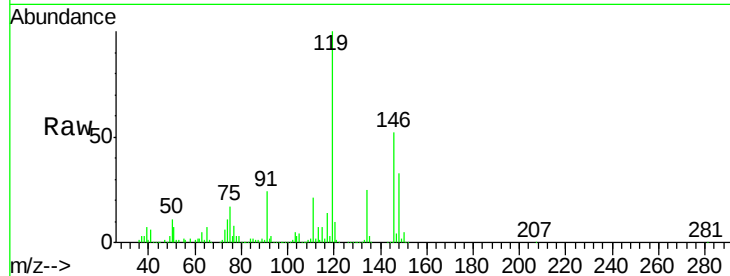
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	742449
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.4	61.3
148	63.3	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.276 ug/l

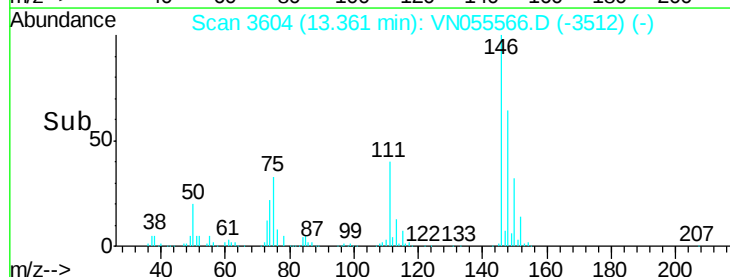
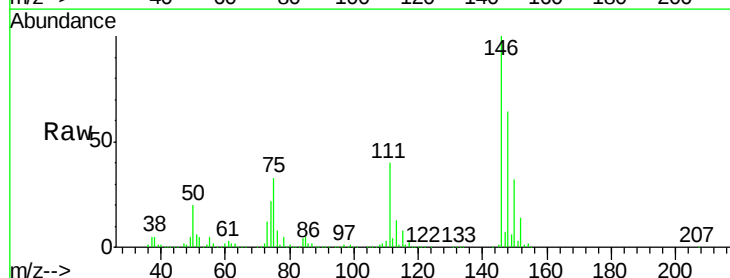
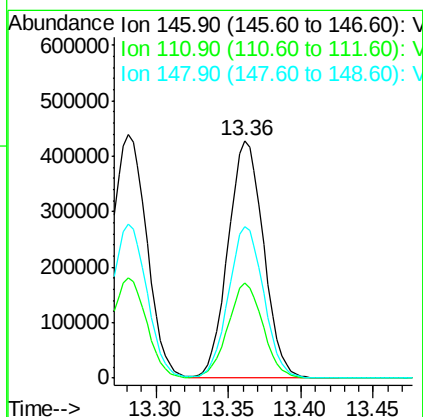
RT: 13.36 min Scan# 3604

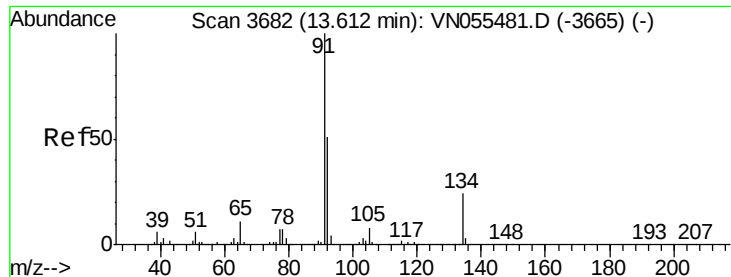
Delta R.T. -0.00 min

Lab File: VN055566.D

Acq: 13 May 2019 9:30

Tgt Ion:	146	Resp:	726152
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.6	58.8
148	63.4	32.5	97.4





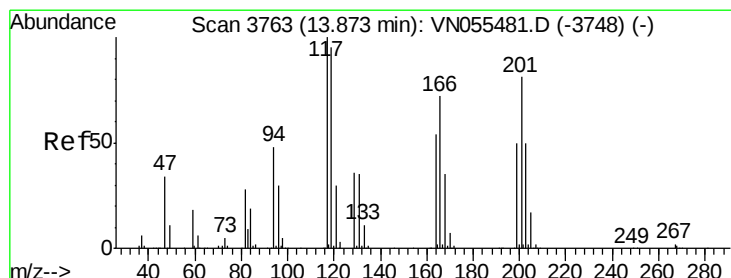
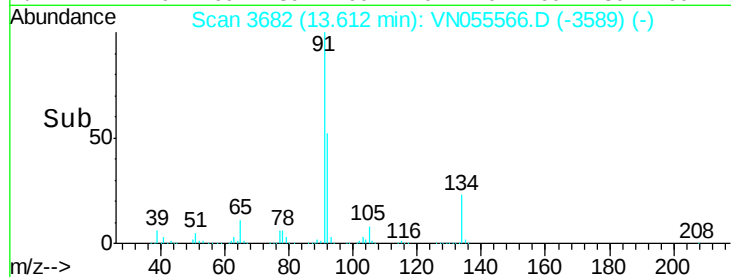
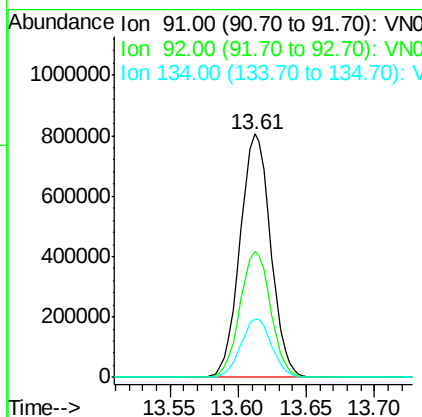
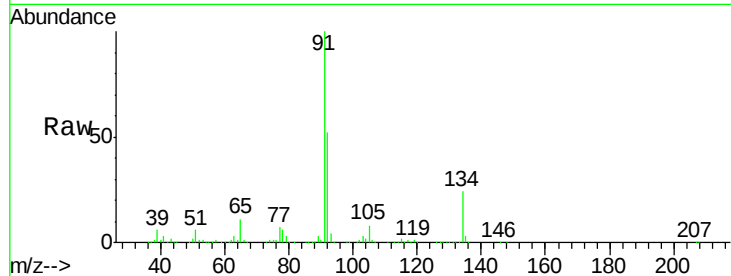
#89
n-Butylbenzene
Concen: 50.850 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1255970
Ion Ratio Lower Upper
91 100
92 51.9 25.9 77.7
134 24.0 11.8 35.4

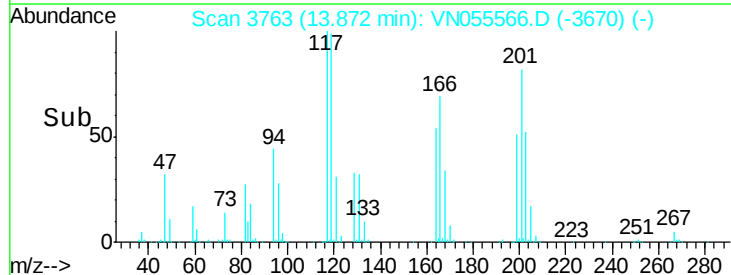
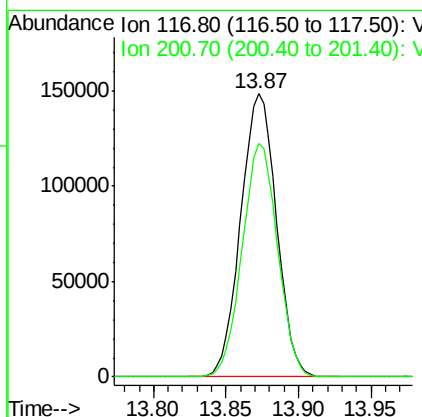
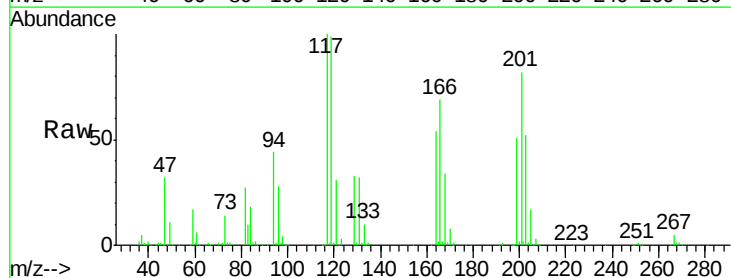
Manual Integrations
APPROVED

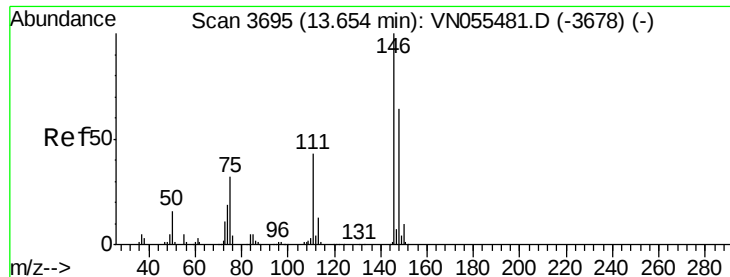
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#90
Hexachloroethane
Concen: 49.064 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Tgt Ion: 117 Resp: 255033
Ion Ratio Lower Upper
117 100
201 81.5 40.1 120.2





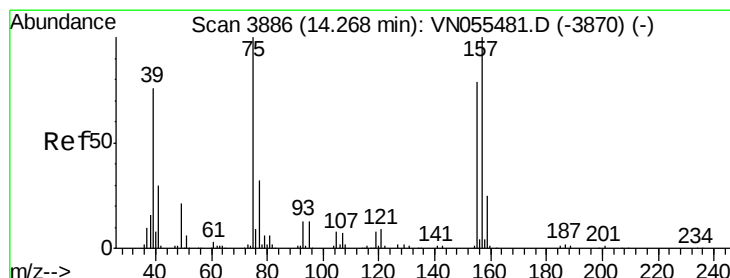
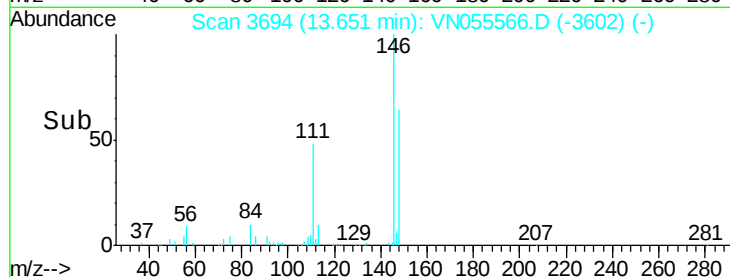
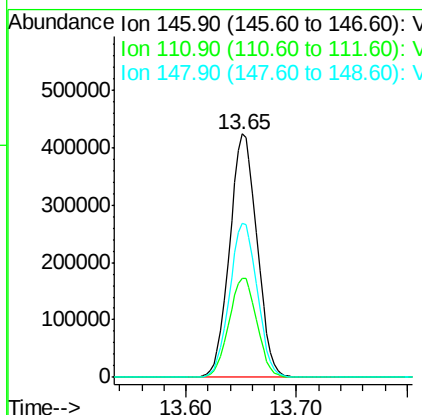
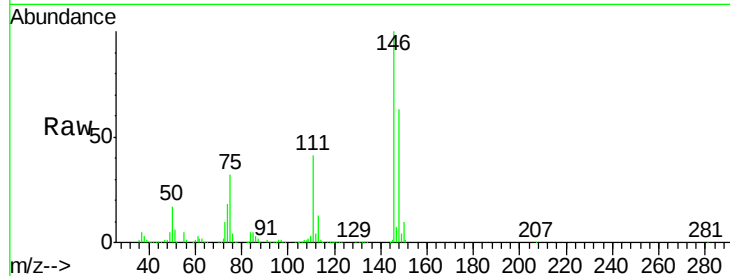
#91
 1,2-Dichlorobenzene
 Concen: 49.905 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	63.7
148	64.1	31.9	95.9

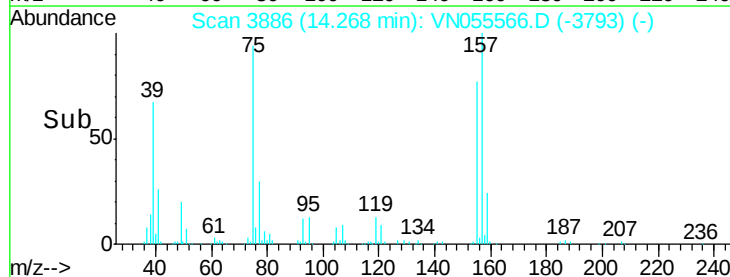
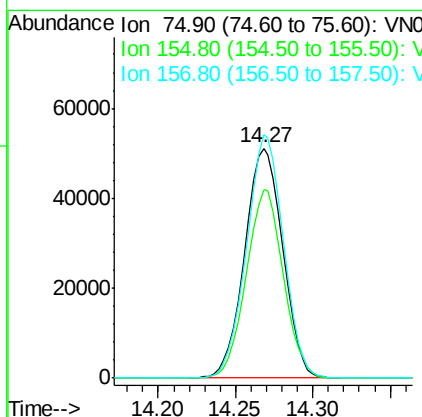
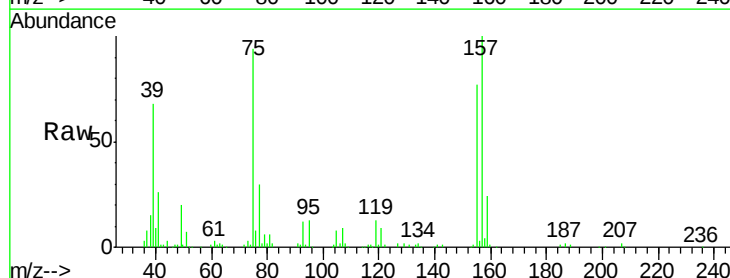
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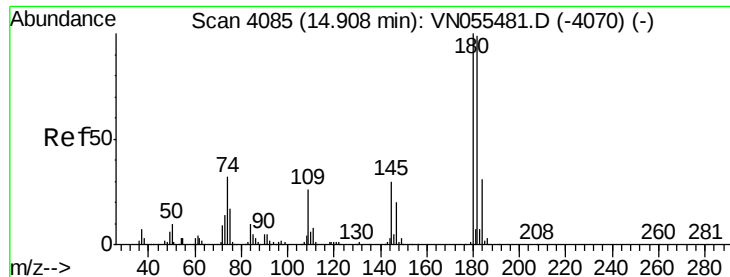
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.423 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.7	39.3	117.8
157	102.6	50.6	151.8





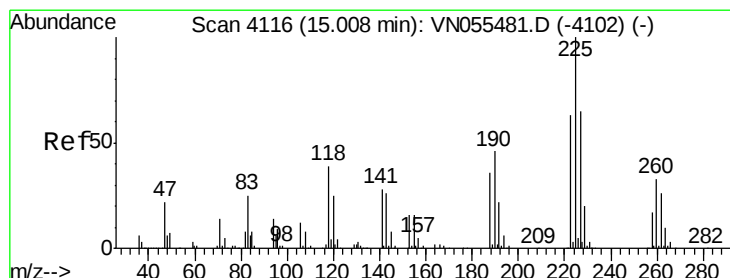
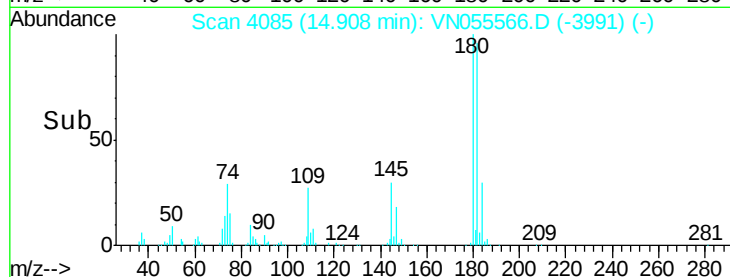
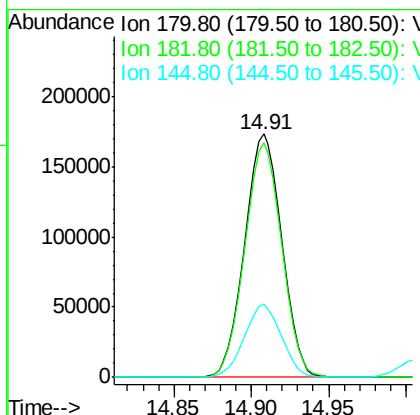
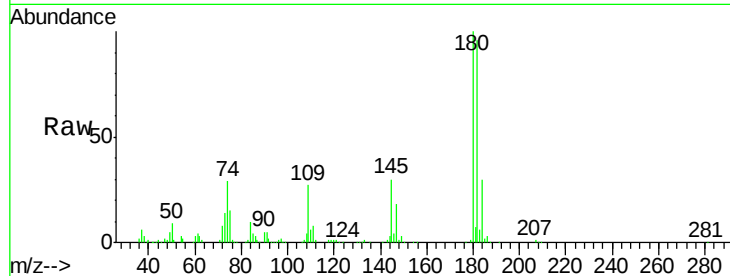
#93
 1,2,4-Trichlorobenzene
 Concen: 45.877 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	290377		
182	96.1	48.7	146.1	
145	29.9	15.3	45.9	

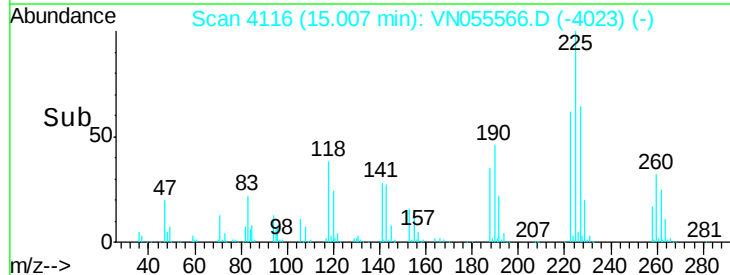
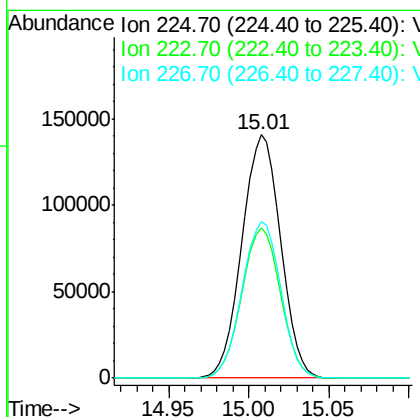
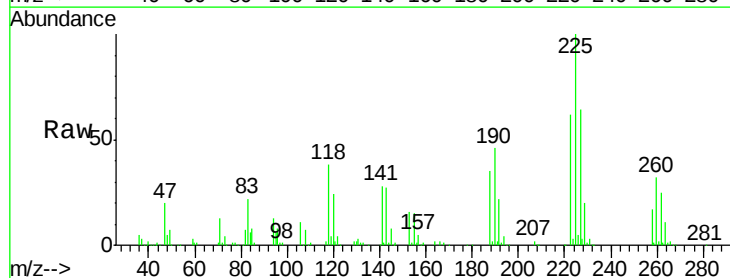
Manual Integrations
 APPROVED

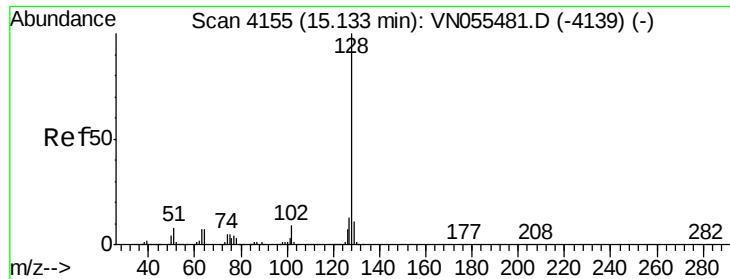
MMDadoda
 5/14/2019 9:37:52 AM



#94
 Hexachlorobutadiene
 Concen: 53.834 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055566.D
 Acq: 13 May 2019 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	232250		
223	61.8	31.4	94.3	
227	64.5	32.0	96.0	





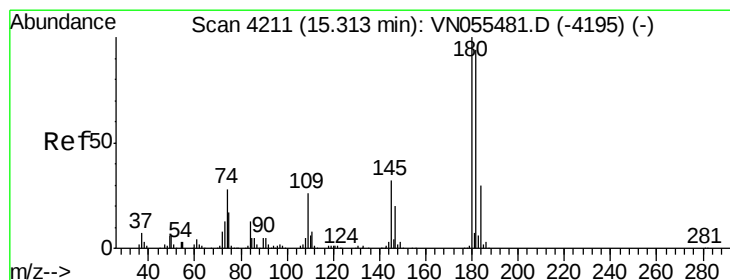
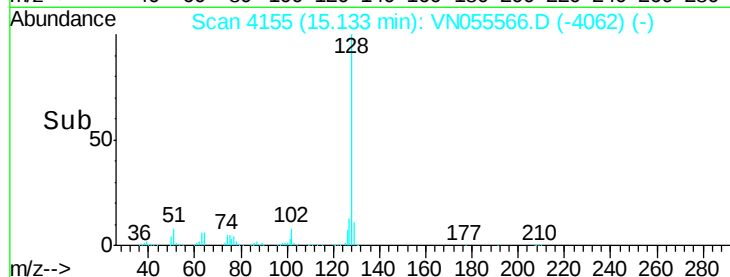
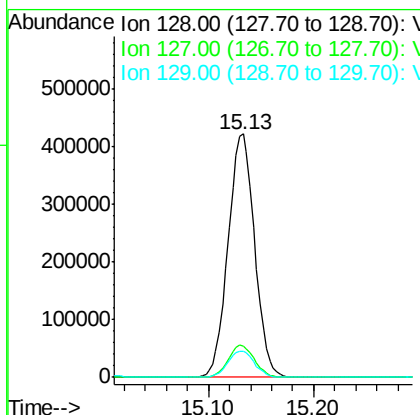
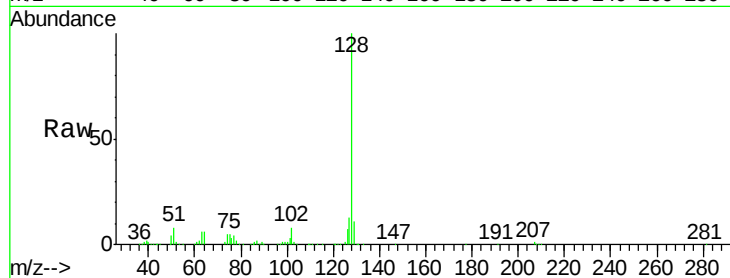
#95
Naphthalene
Concen: 41.423 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	732653		
127	13.1	10.0	15.0	
129	10.9	8.8	13.2	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 45.682 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN055566.D
Acq: 13 May 2019 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	313532		
182	94.7	47.1	141.3	
145	31.0	15.8	47.4	

