

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043019\
 Data File : VN055298.D
 Acq On : 30 Apr 2019 10:51
 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
 5/1/2019 3:00:14 PM

Quant Time: May 01 08:51:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	416892	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	652654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	571933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	226650	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	262914	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
35) Dibromofluoromethane	7.59	113	205912	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	10.09	98	774974	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.40	95	262373	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	253003	49.533	ug/l 100
3) Chloromethane	2.06	50	293604	46.421	ug/l 100
4) Vinyl Chloride	2.19	62	237055	46.497	ug/l 99
5) Bromomethane	2.56	94	123971	45.906	ug/l 100
6) Chloroethane	2.70	64	125118	45.302	ug/l 100
7) Trichlorofluoromethane	3.02	101	341539	47.112	ug/l 99
8) Diethyl Ether	3.41	74	118106	46.565	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	205294	47.555	ug/l 99
10) Methyl Iodide	3.95	142	294786	48.521	ug/l 99
11) Tert butyl alcohol	4.78	59	71569	229.204	ug/l 98
12) 1,1-Dichloroethene	3.74	96	192824	46.822	ug/l 99
13) Acrolein	3.61	56	51799	212.416	ug/l 98
14) Allyl chloride	4.32	41	395006	46.312	ug/l 98
15) Acrylonitrile	4.99	53	424306	241.752	ug/l 98
16) Acetone	3.82	43	420129	247.227	ug/l 100
17) Carbon Disulfide	4.06	76	507822	47.251	ug/l 97
18) Methyl Acetate	4.32	43	205991	49.755	ug/l 100
19) Methyl tert-butyl Ether	5.05	73	541878	46.805	ug/l 99
20) Methylene Chloride	4.55	84	232674	44.857	ug/l 97
21) trans-1,2-Dichloroethene	5.04	96	206599	47.369	ug/l 97
22) Diisopropyl ether	5.95	45	823736	48.608	ug/l 97
23) Vinyl Acetate	5.90	43	2763842	248.842	ug/l 99
24) 1,1-Dichloroethane	5.85	63	424233	46.984	ug/l 99
25) 2-Butanone	6.83	43	535537	246.421	ug/l 100
26) 2,2-Dichloropropane	6.83	77	297210	47.667	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	239282	48.244	ug/l 99
28) Bromochloromethane	7.19	49	217873	47.869	ug/l 97
29) Tetrahydrofuran	7.21	42	335261	240.917	ug/l 99
30) Chloroform	7.37	83	404895	47.304	ug/l 97
31) Cyclohexane	7.65	56	389838	45.442	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	327550	47.151	ug/l 100
36) 1,1-Dichloropropene	7.79	75	306644	49.052	ug/l 98
37) Ethyl Acetate	6.93	43	224122	46.778	ug/l 99
38) Carbon Tetrachloride	7.77	117	281078	46.610	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	326654	49.146	ug/l	99
40) Benzene	8.04	78	898565	48.759	ug/l	100
41) Methacrylonitrile	7.17	41	132651	51.139	ug/l	94
42) 1,2-Dichloroethane	8.12	62	312573	47.888	ug/l	99
43) Isopropyl Acetate	8.16	43	380039	49.358	ug/l #	88
44) Trichloroethene	8.83	130	221614	47.172	ug/l	99
45) 1,2-Dichloropropane	9.12	63	257699	48.484	ug/l	99
46) Dibromomethane	9.21	93	143336	49.336	ug/l	98
47) Bromodichloromethane	9.40	83	308547	49.504	ug/l	99
48) Methyl methacrylate	9.20	41	179741	47.485	ug/l	96
49) 1,4-Dioxane	9.20	88	41197	1052.855	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1082988	249.821	ug/l	99
52) Toluene	10.15	92	530221	50.144	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	288378	53.298	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	345555	51.223	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	193533	49.289	ug/l	98
56) Ethyl methacrylate	10.43	69	245814	50.862	ug/l	98
57) 1,3-Dichloropropane	10.71	76	340542	49.439	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	394713	262.508	ug/l	99
59) 2-Hexanone	10.75	43	689133	254.069	ug/l	99
60) Dibromochloromethane	10.90	129	206211	51.385	ug/l	98
61) 1,2-Dibromoethane	11.00	107	182374	50.251	ug/l	99
64) Tetrachloroethene	10.63	164	216243	46.234	ug/l	99
65) Chlorobenzene	11.43	112	541377	48.415	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	208883	47.706	ug/l	98
67) Ethyl Benzene	11.51	91	1006343	49.837	ug/l	99
68) m/p-Xylenes	11.62	106	728584	101.086	ug/l	98
69) o-Xylene	11.95	106	358552	50.190	ug/l	98
70) Styrene	11.96	104	589600	53.752	ug/l	100
71) Bromoform	12.13	173	125781	51.770	ug/l #	98
73) Isopropylbenzene	12.25	105	950321	52.877	ug/l	99
74) N-amyl acetate	12.07	43	276247	47.492	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	229600	51.204	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	209535m	49.723	ug/l	
77) Bromobenzene	12.52	156	227157	52.656	ug/l	98
78) n-propylbenzene	12.59	91	1068711	45.904	ug/l	99
79) 2-Chlorotoluene	12.67	91	649645	53.050	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	779937	43.894	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	55741	46.606	ug/l	97
82) 4-Chlorotoluene	12.77	91	625762	46.227	ug/l	100
83) tert-Butylbenzene	12.99	119	662140	52.811	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	758836	47.752	ug/l	100
85) sec-Butylbenzene	13.17	105	871074	45.103	ug/l	100
86) p-Isopropyltoluene	13.29	119	749784	47.235	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	369168	48.675	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	351230	49.176	ug/l	100
89) n-Butylbenzene	13.61	91	593821	52.646	ug/l	99
90) Hexachloroethane	13.87	117	128718	51.253	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	354983	47.224	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30504	51.157	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	135696	46.069	ug/l	99
94) Hexachlorobutadiene	15.01	225	126739	56.389	ug/l	97
95) Naphthalene	15.13	128	265718	42.699	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	136059	46.797	ug/l	99

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

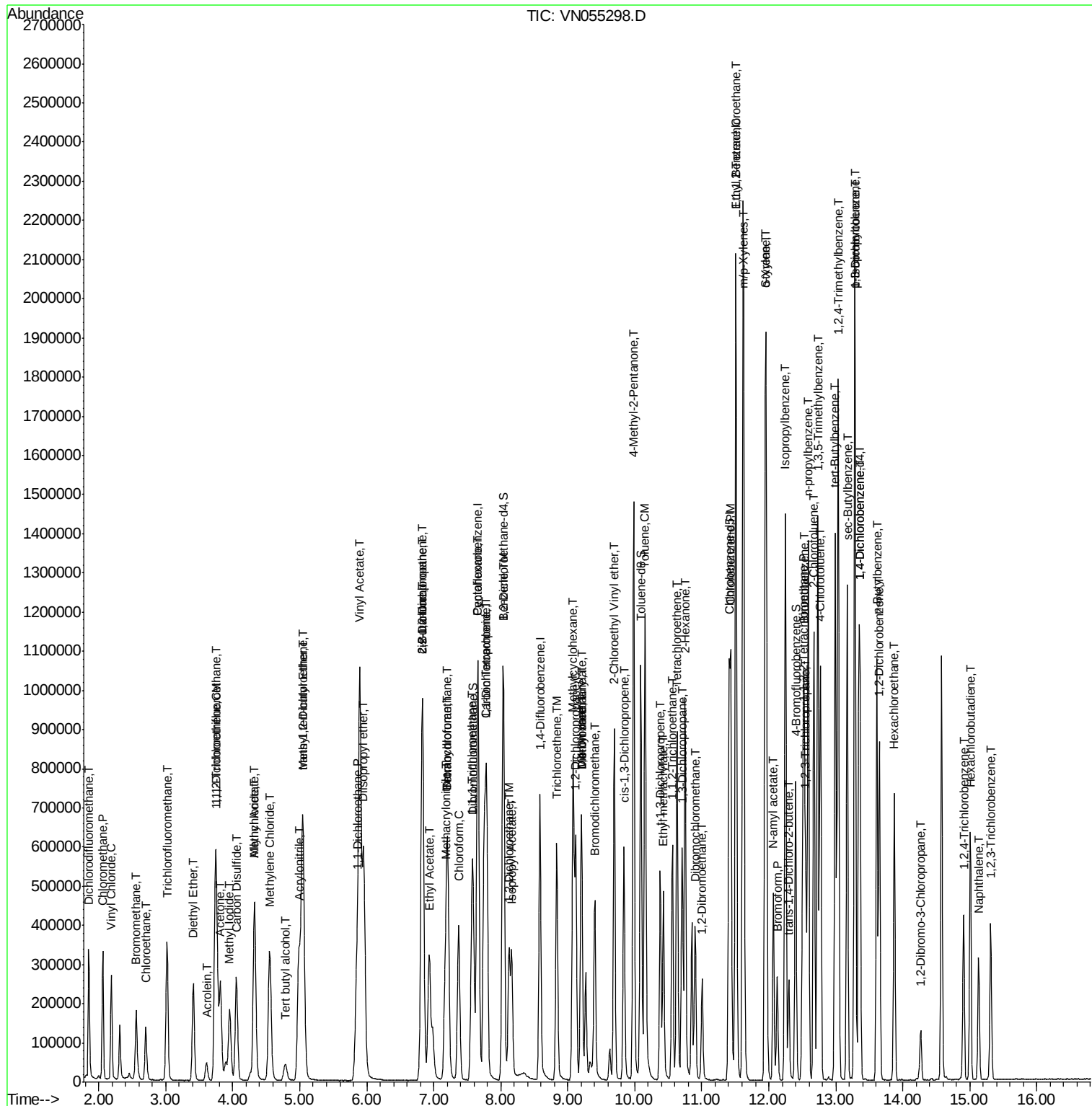
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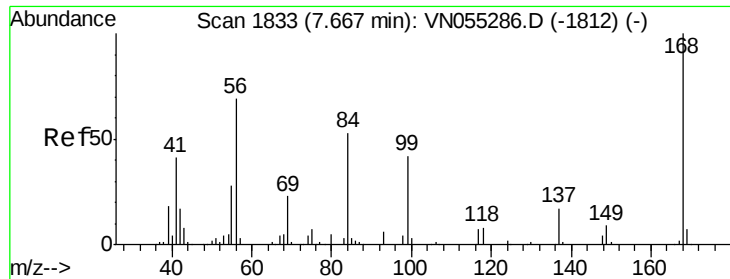
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 416892

Ion Ratio Lower Upper

168 100

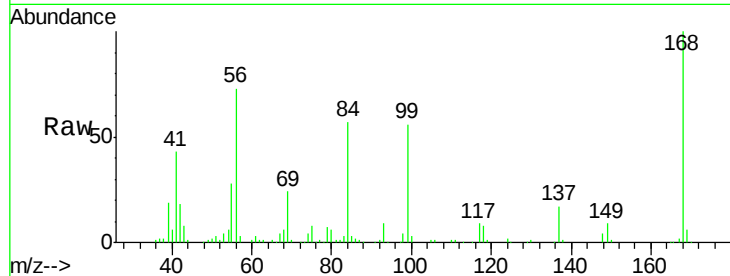
99 54.7 43.6 65.4

Manual Integrations

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5/1/2019 3:00:14 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

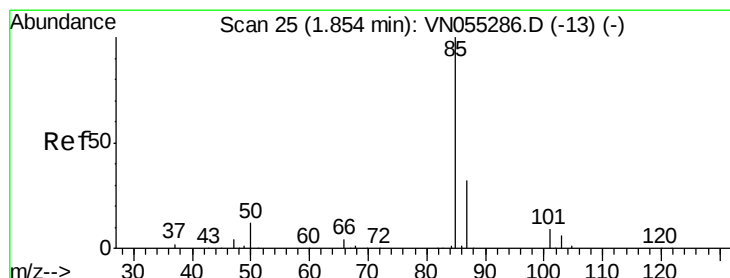
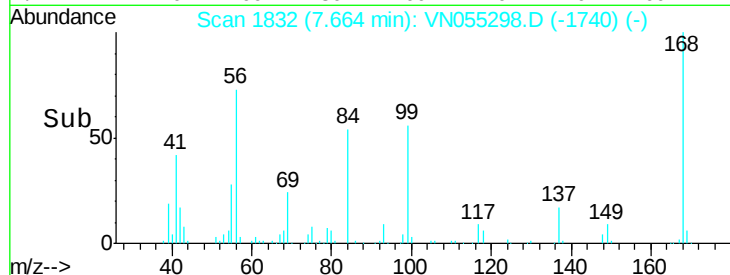
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.533 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055298.D

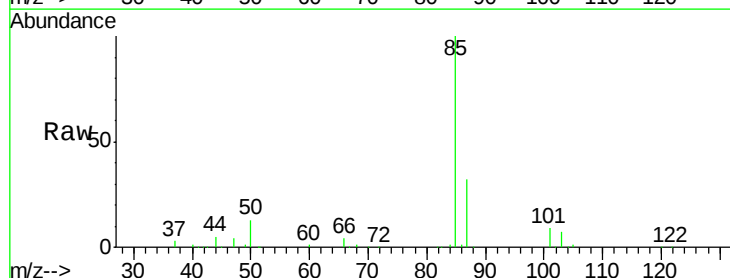
Acq: 30 Apr 2019 10:51

Tgt Ion: 85 Resp: 253003

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

150000

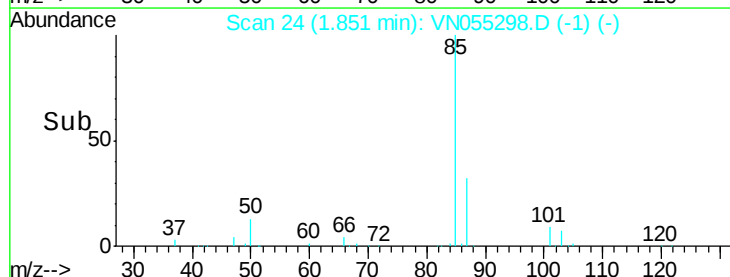
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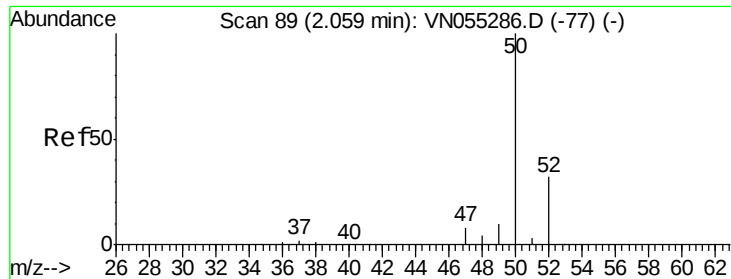
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 46.421 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 293604

Ion Ratio Lower Upper

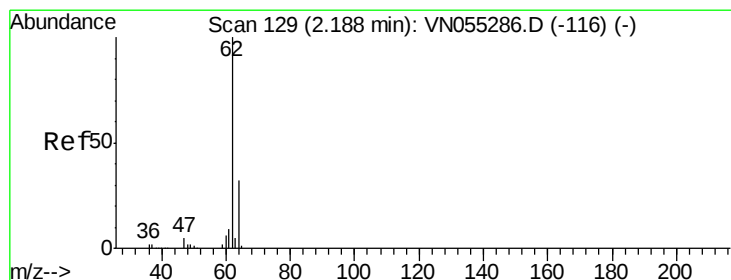
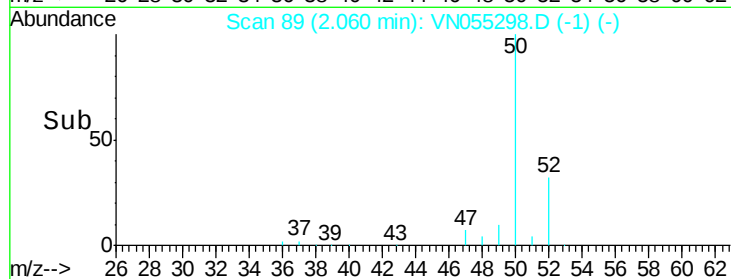
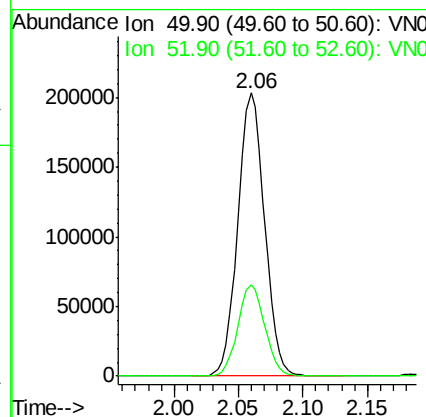
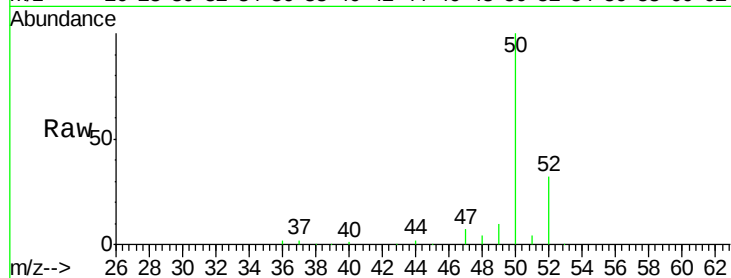
50 100

52 32.3 25.7 38.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 46.497 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055298.D

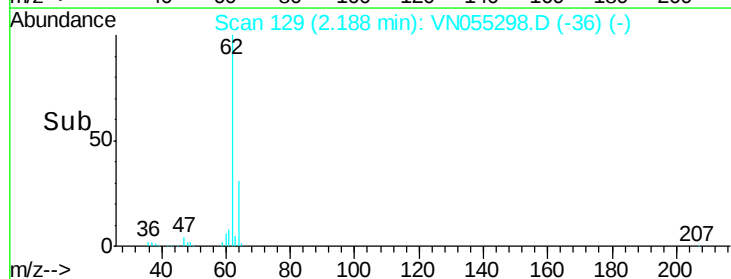
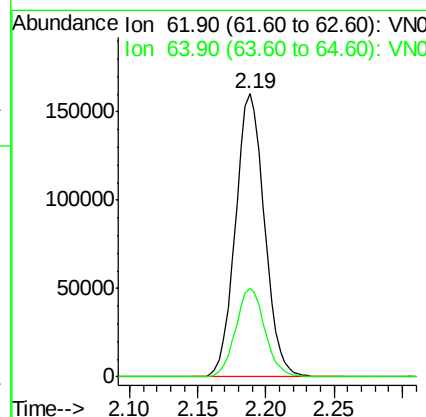
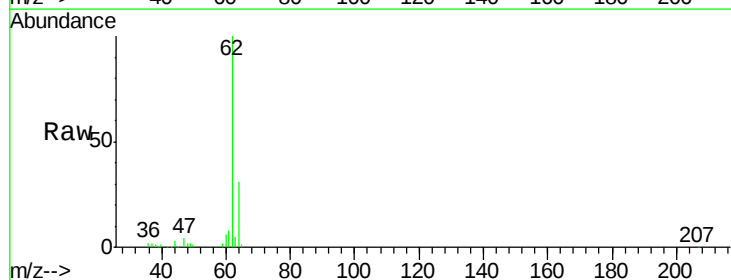
Acq: 30 Apr 2019 10:51

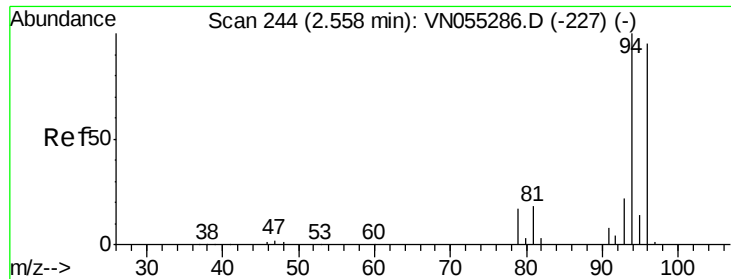
Tgt Ion: 62 Resp: 237055

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 45.906 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 123971

Ion Ratio Lower Upper

94 100

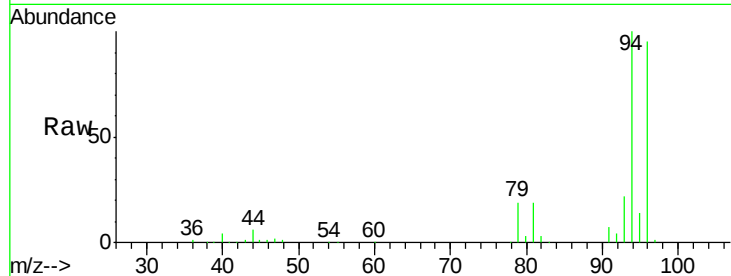
96 94.6 76.0 114.0

Manual Integrations

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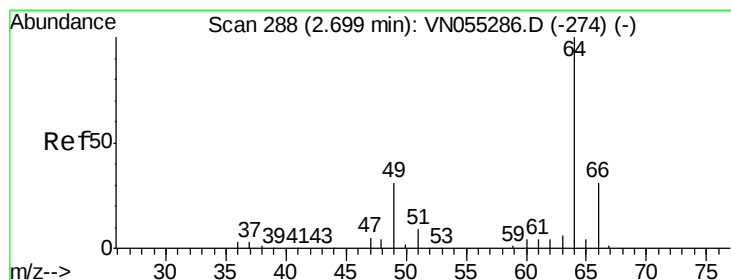
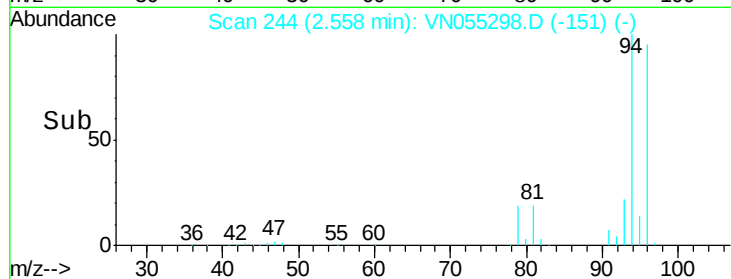
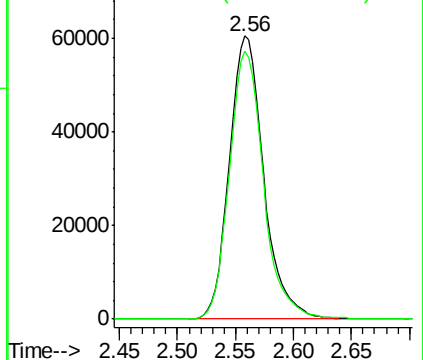
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5/1/2019 3:00:14 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 45.302 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055298.D

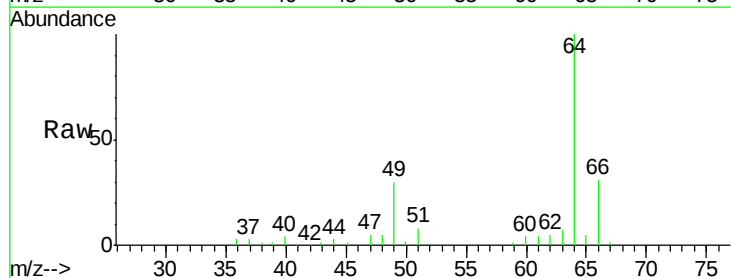
Acq: 30 Apr 2019 10:51

Tgt Ion: 64 Resp: 125118

Ion Ratio Lower Upper

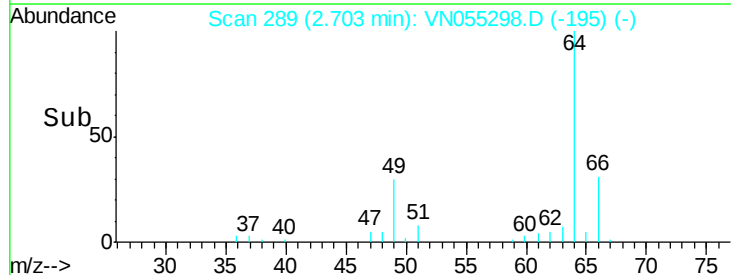
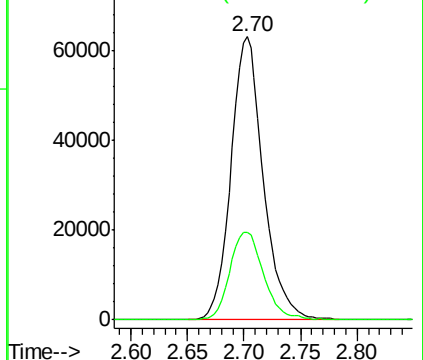
64 100

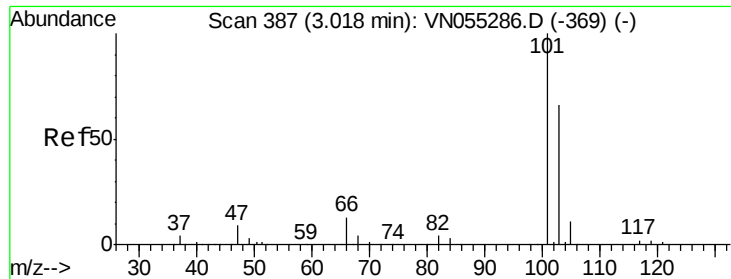
66 31.1 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

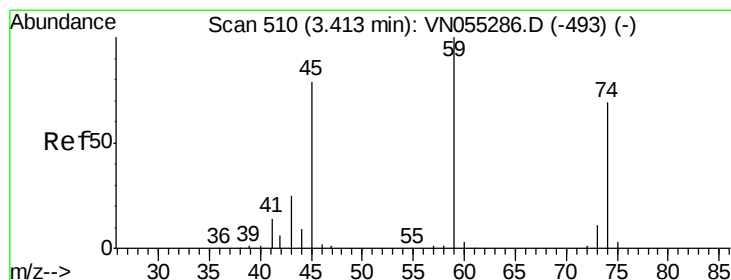
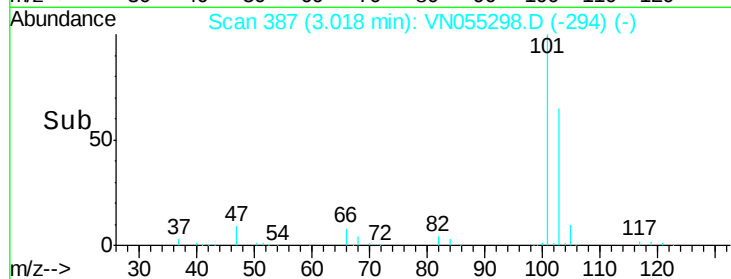
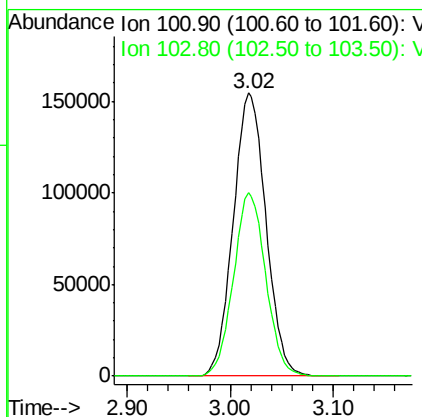
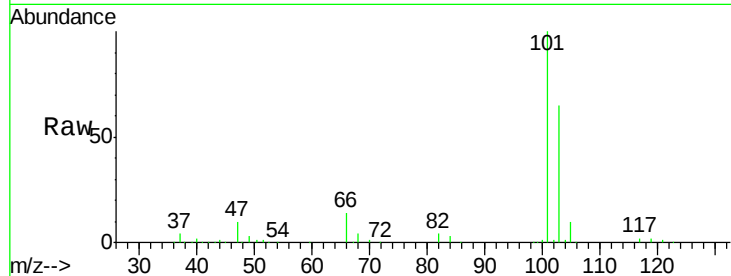
Trichlorofluoromethane
 Concen: 47.112 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055298.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.6	79.0

Manual Integrations
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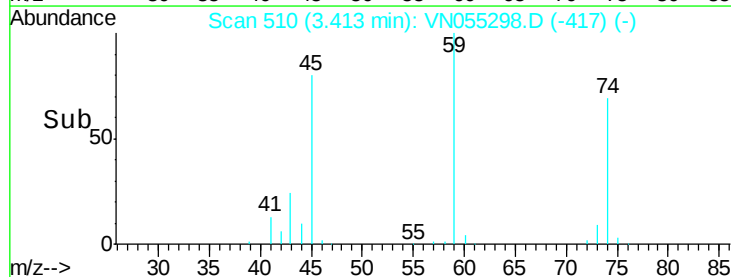
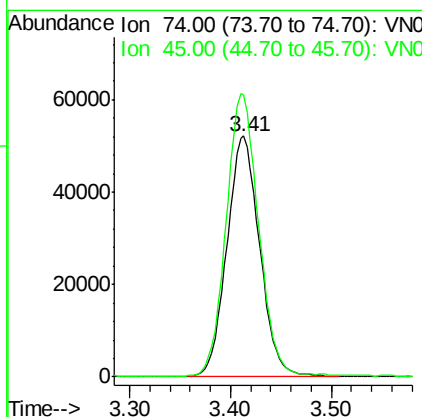
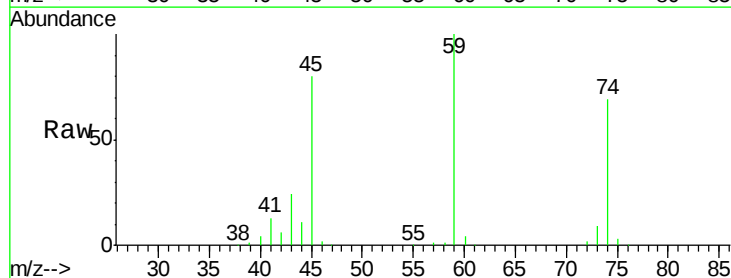
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 5/1/2019 3:00:14 PM

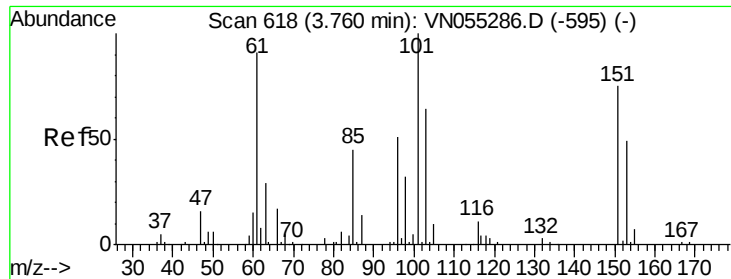


#8

Diethyl Ether
 Concen: 46.565 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.7	58.9	176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.555 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Instrument :

MSVOA_N

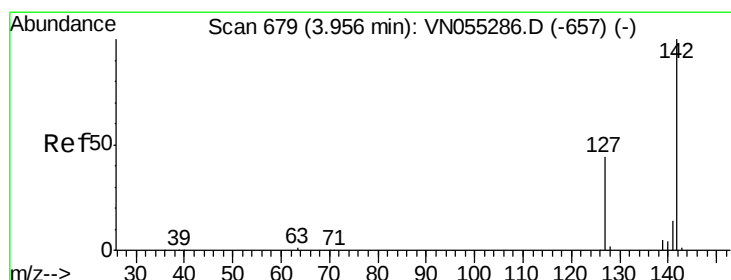
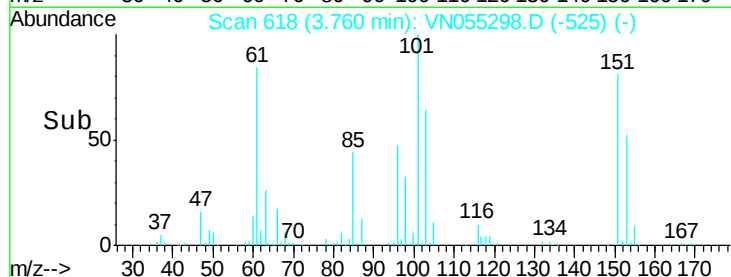
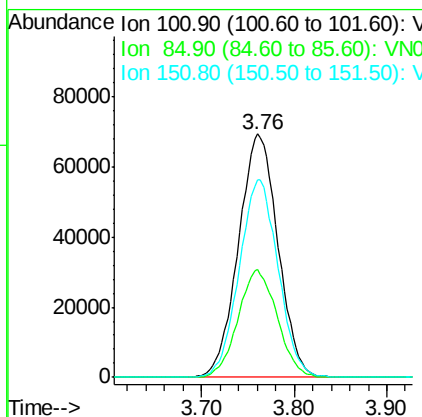
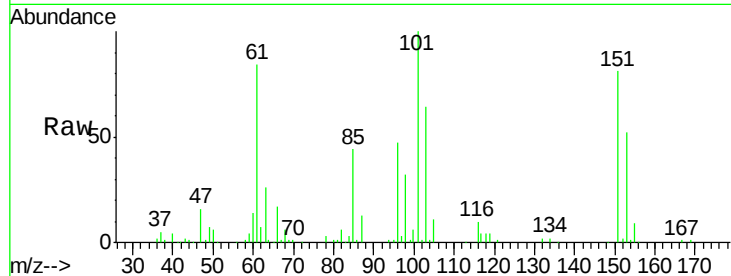
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	205294
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.7	53.5
151	80.1	63.3	94.9

Manual Integrations
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#10

Methyl Iodide

Concen: 48.521 ug/l

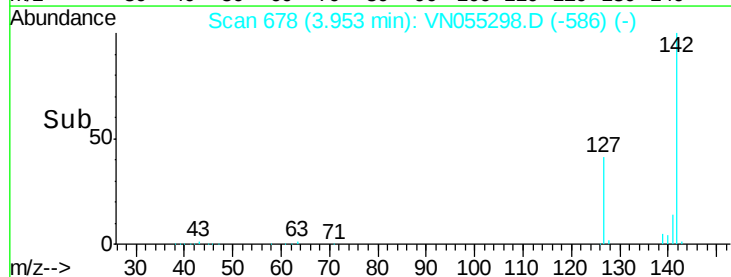
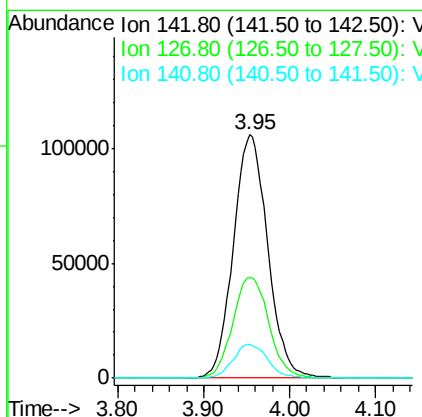
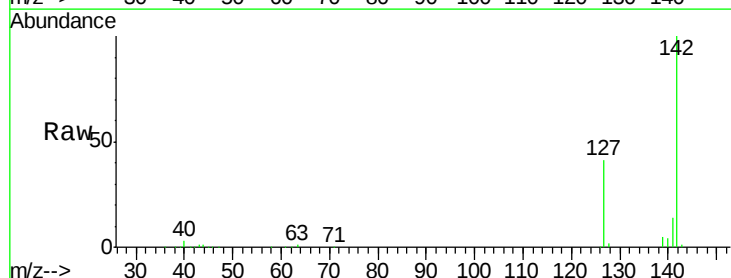
RT: 3.95 min Scan# 678

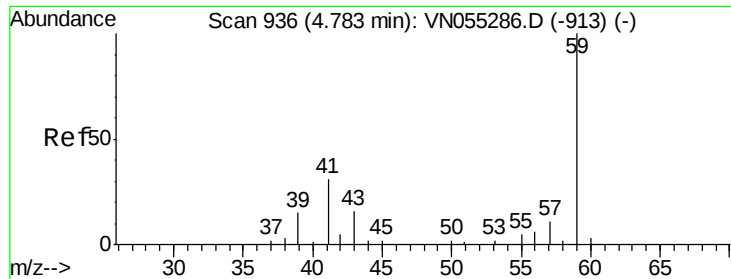
Delta R.T. -0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Tgt Ion:	142	Resp:	294786
Ion Ratio	Lower	Upper	
142	100		
127	43.5	34.4	51.6
141	14.0	11.5	17.3





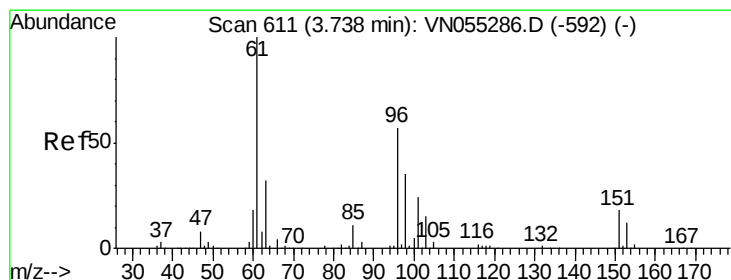
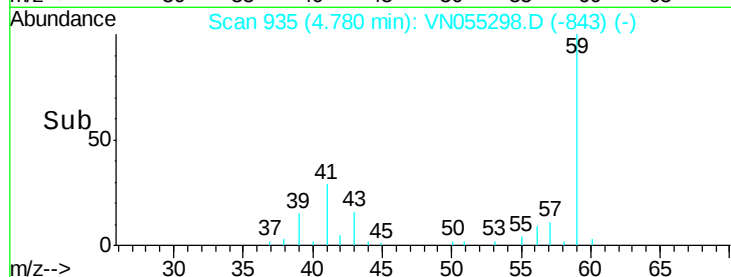
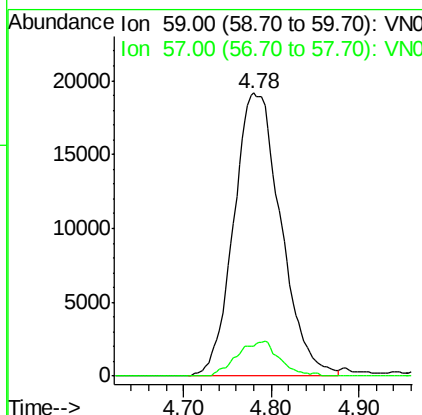
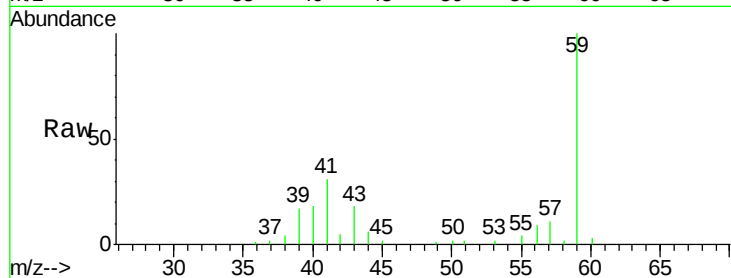
#11
Tert butyl alcohol
Concen: 229.204 ug/l
RT: 4.78 min Scan# 935
Delta R.T. -0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.9	Resp	71569	Lower	8.2	Upper	12.2
Ion											

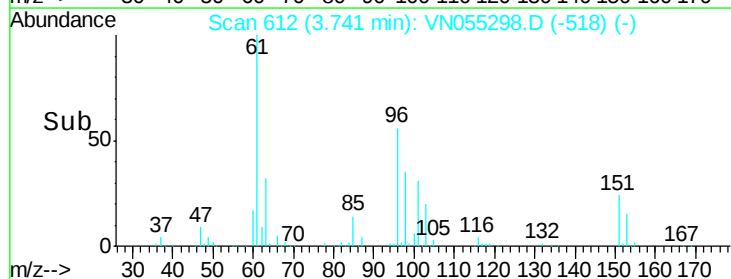
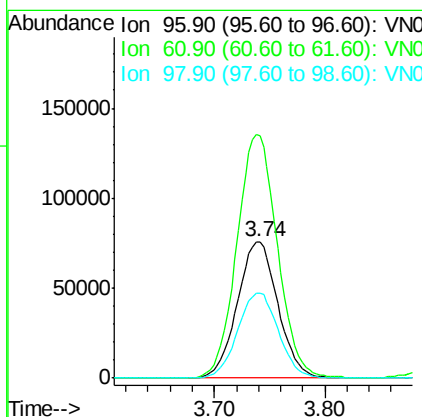
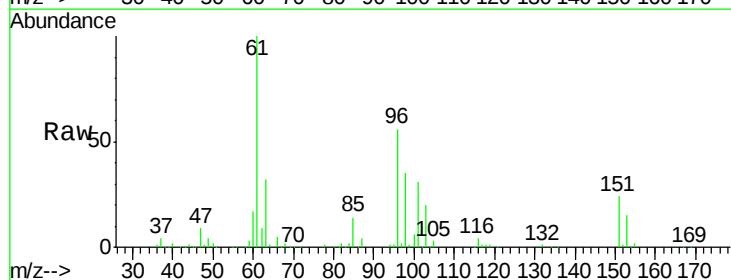
Manual Integrations
APPROVED

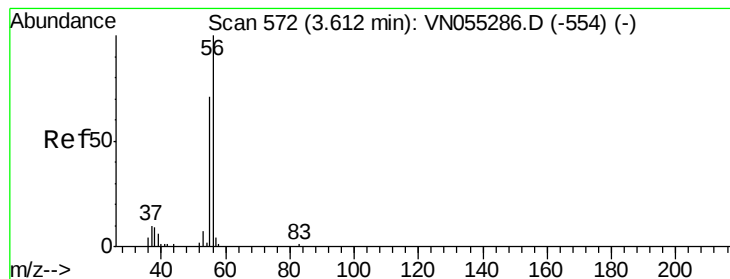
MMDadoda
5/1/2019 3:00:14 PM



#12
1,1-Dichloroethene
Concen: 46.822 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion	96	61	98	Resp	192824	Lower	140.9	Upper	211.3	75.0
Ion										





#13

Acrolein

Concen: 212.416 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.01 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 51799

Ion Ratio Lower Upper

56 100

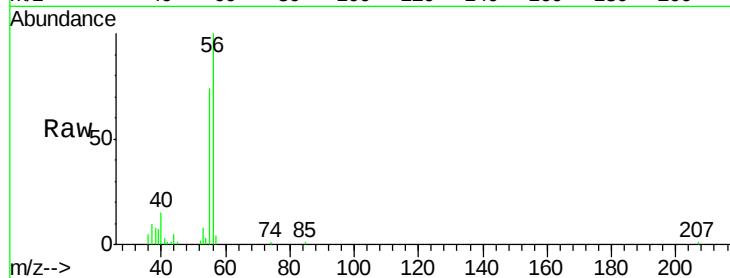
55 73.1 57.4 86.2

Manual Integrations

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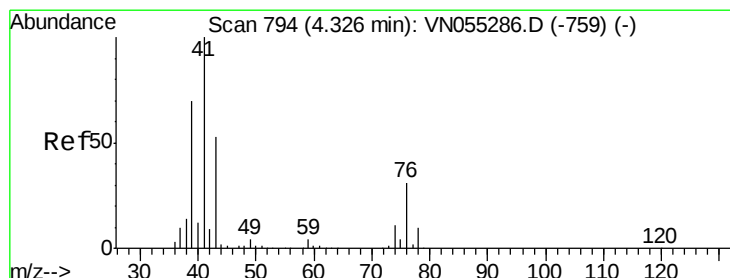
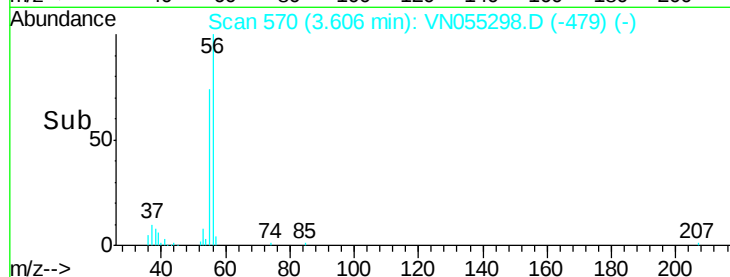
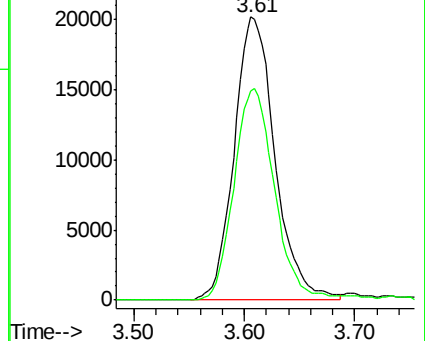
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.312 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

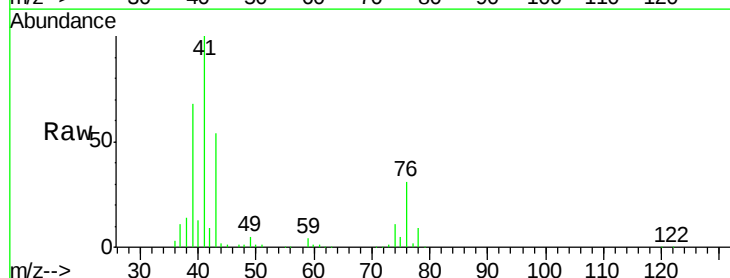
Tgt Ion: 41 Resp: 395006

Ion Ratio Lower Upper

41 100

39 67.9 53.0 79.6

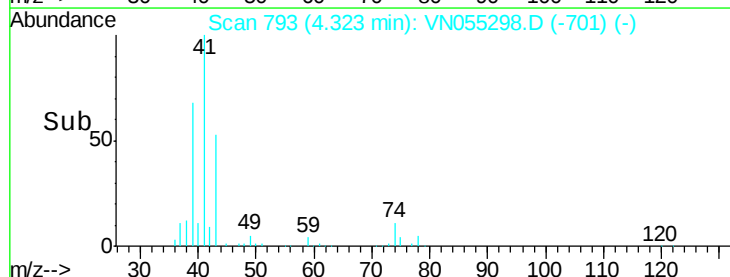
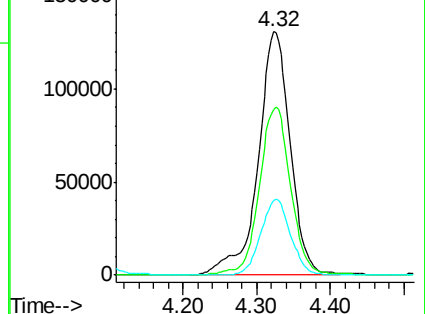
76 29.0 22.7 34.1

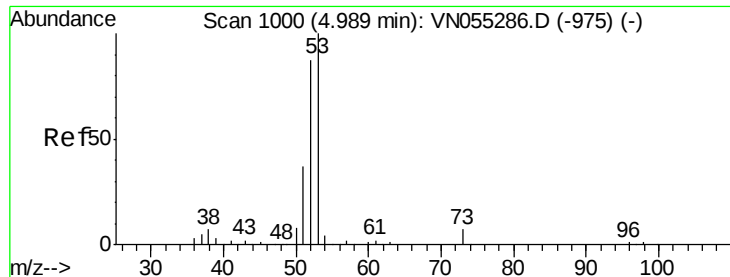


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 241.752 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Instrument :

MSVOA_N

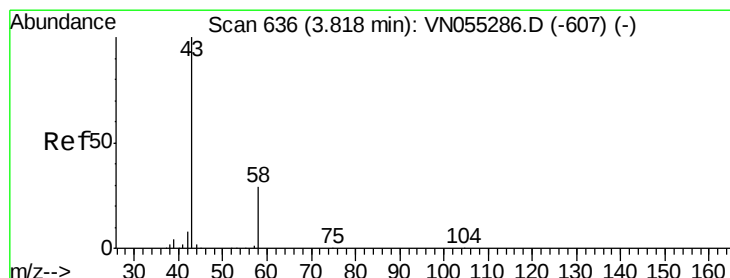
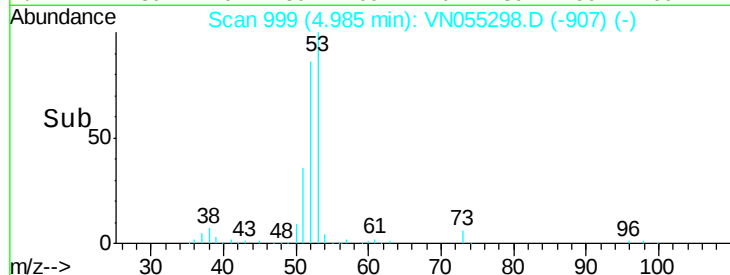
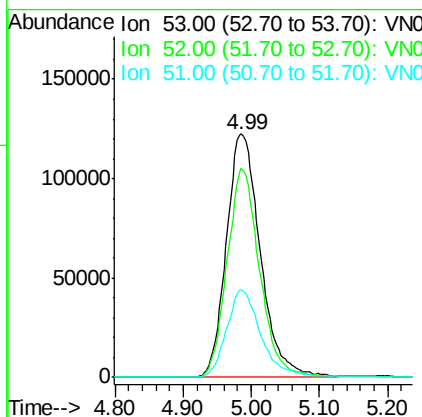
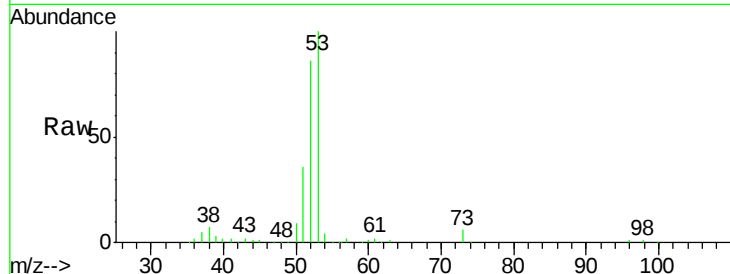
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	424306
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.5	99.7
51	36.3	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 247.227 ug/l

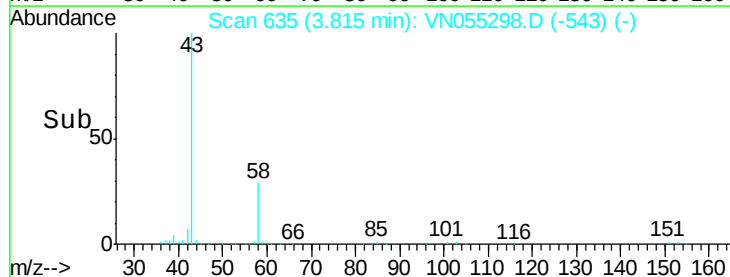
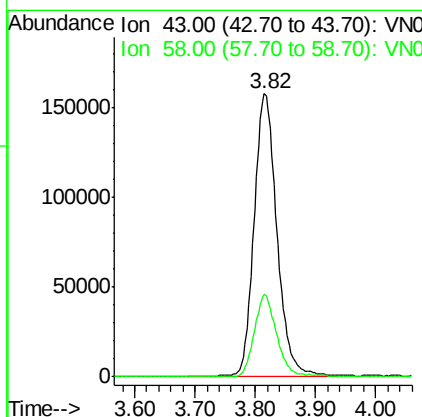
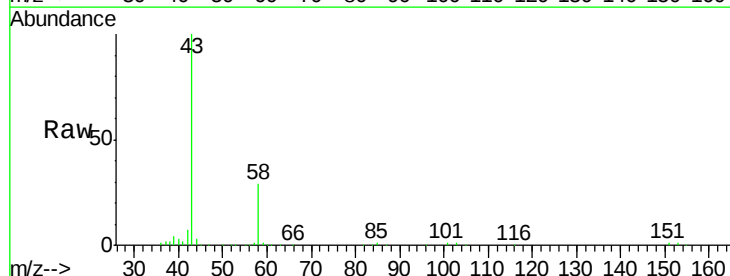
RT: 3.82 min Scan# 635

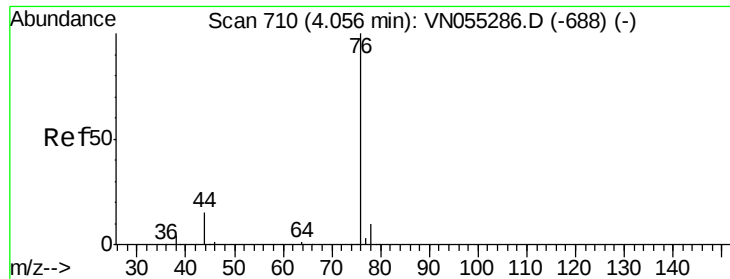
Delta R.T. -0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Tgt Ion:	43	Resp:	420129
Ion Ratio	Lower	Upper	
43	100		
58	29.3	23.6	35.4





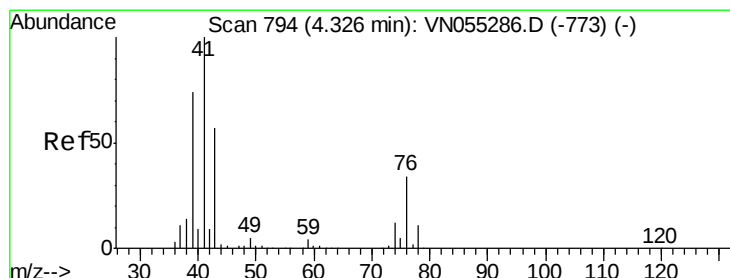
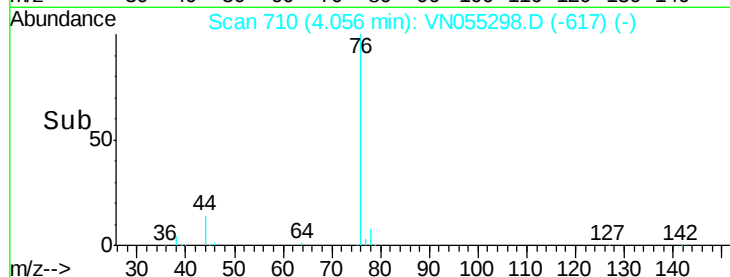
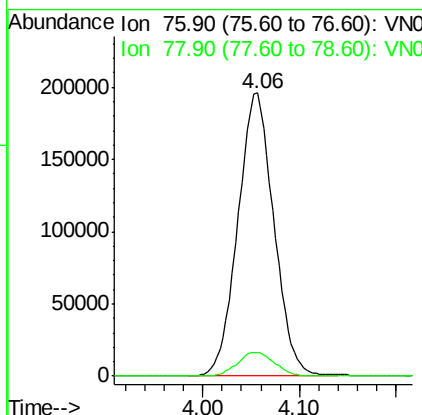
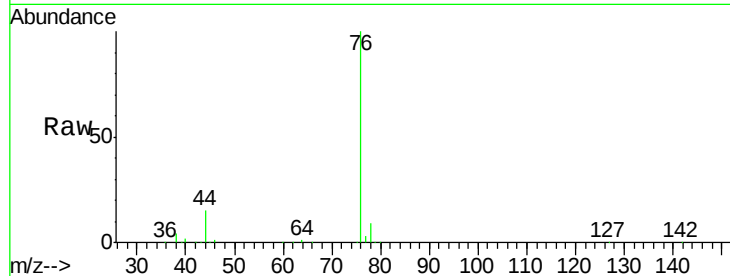
#17
Carbon Disulfide
Concen: 47.251 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.6	11.4

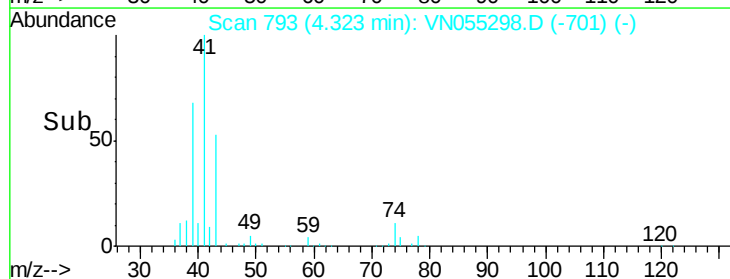
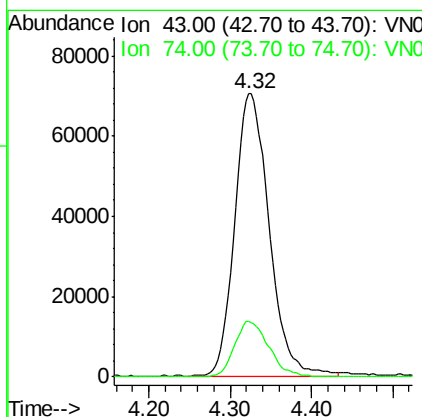
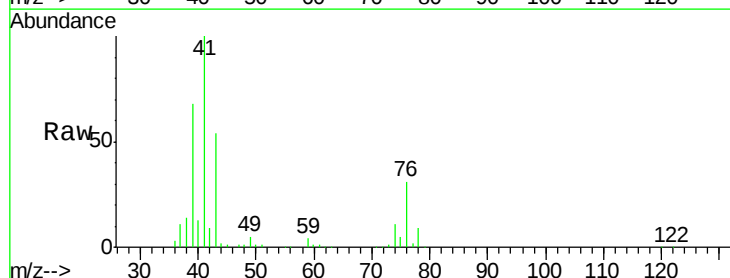
Manual Integrations
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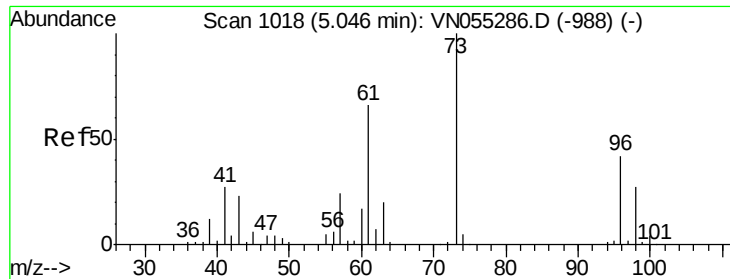
MMDadoda
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#18
Methyl Acetate
Concen: 49.755 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	15.8	23.8





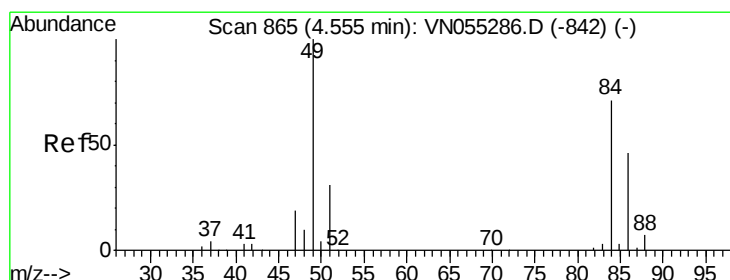
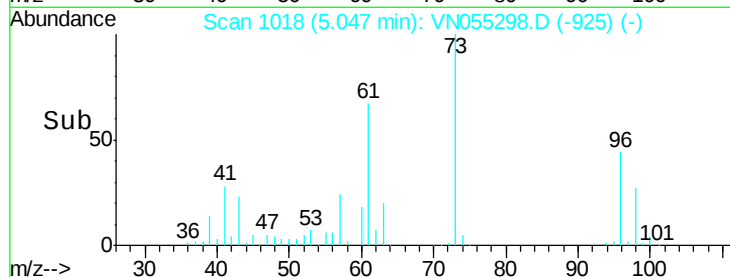
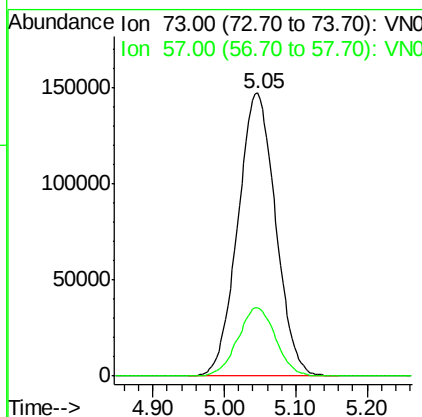
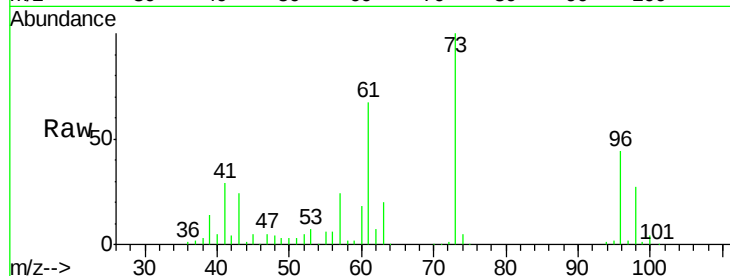
#19
Methvl tert-butvl Ether
Concen: 46.805 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 541878
Ion Ratio Lower Upper
73 100
57 24.1 19.1 28.7

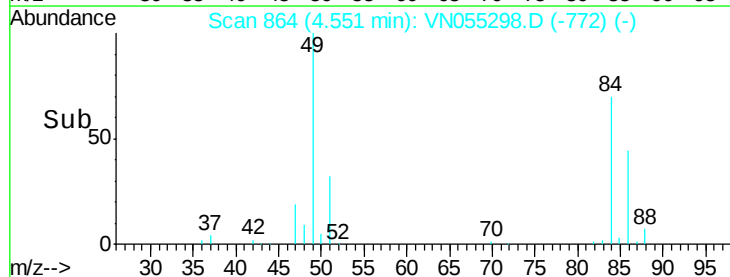
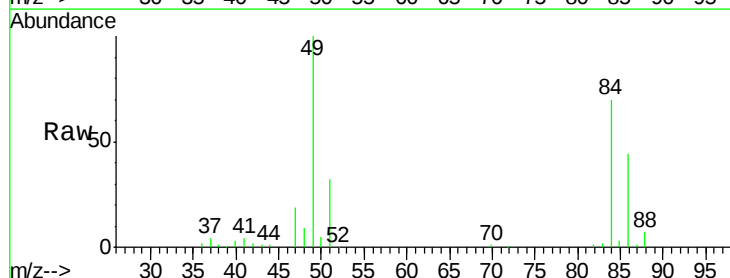
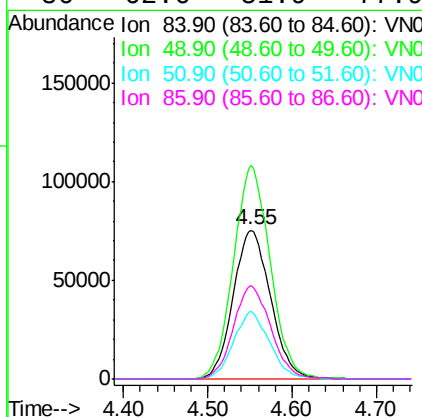
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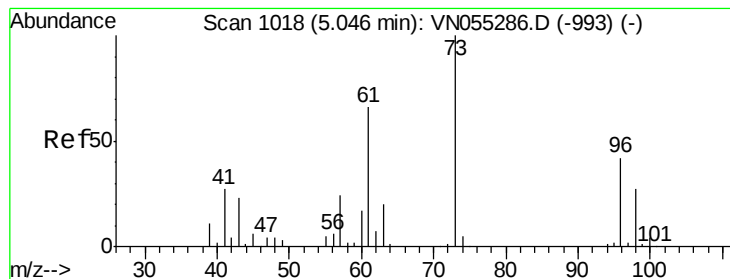
MMDadoda
5/1/2019 3:00:14 PM



#20
Methylene Chloride
Concen: 44.857 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion: 84 Resp: 232674
Ion Ratio Lower Upper
84 100
49 143.1 112.4 168.6
51 45.4 34.6 51.8
86 62.6 51.9 77.9





#21

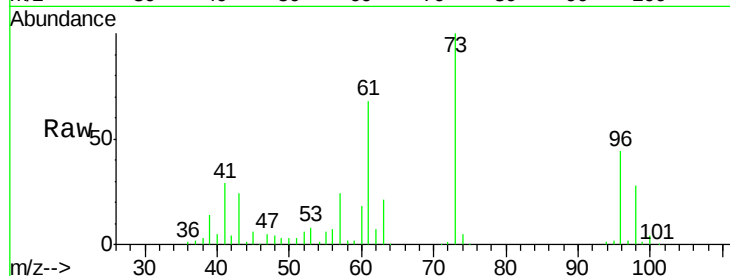
trans-1,2-Dichloroethene
Concen: 47.369 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

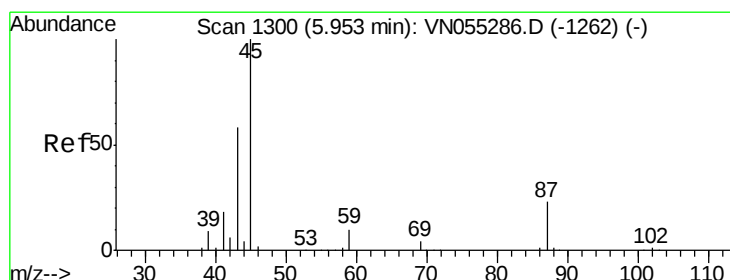
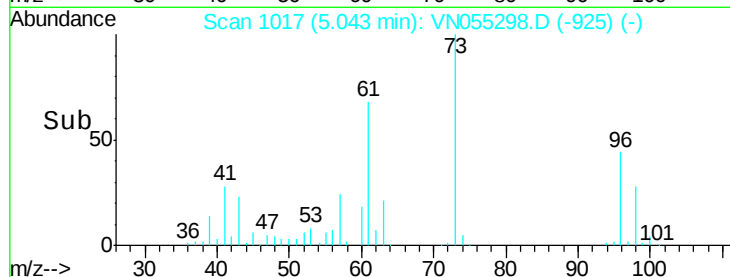
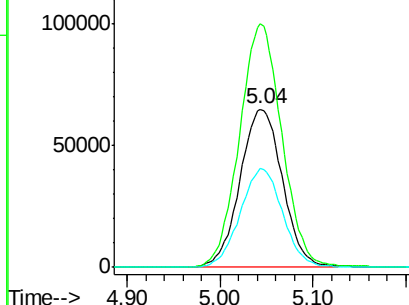
Tot Ion	Ratio	Lower	Upper
96	100		
61	153.7	126.2	189.4
98	62.2	52.2	78.2

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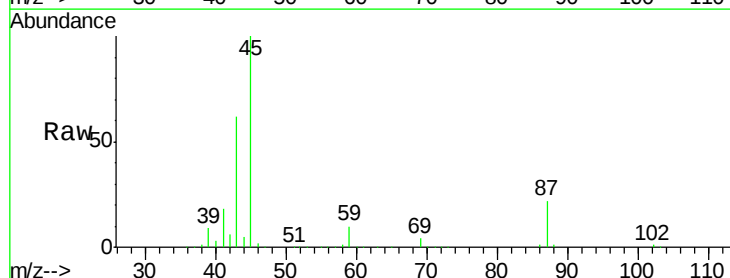
Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



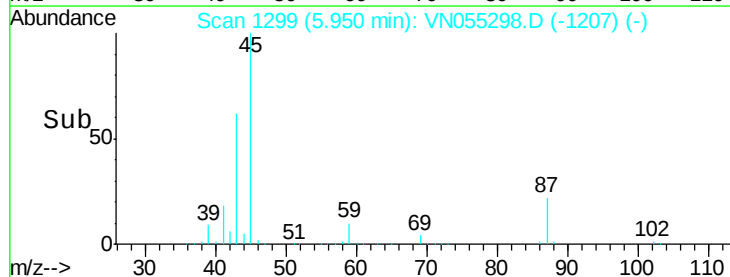
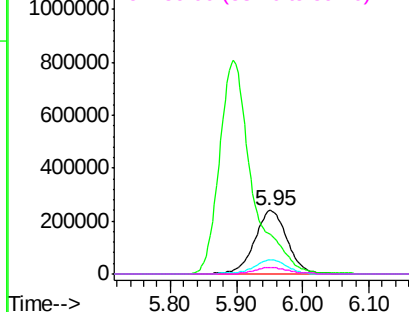
#22

Diisopropyl ether
Concen: 48.608 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.0	46.6	70.0
87	22.3	18.1	27.1
59	9.9	8.2	12.2



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





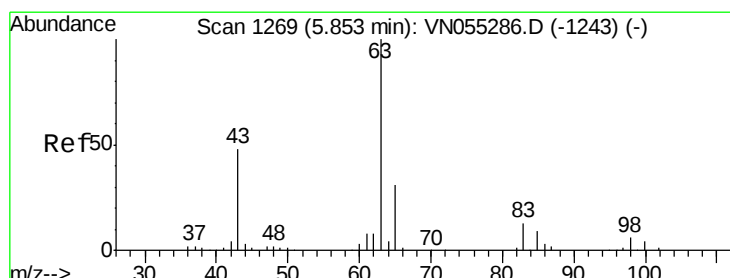
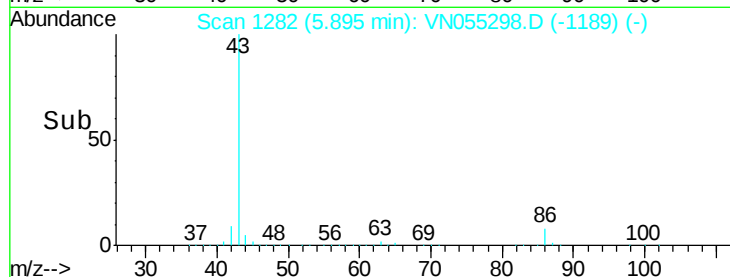
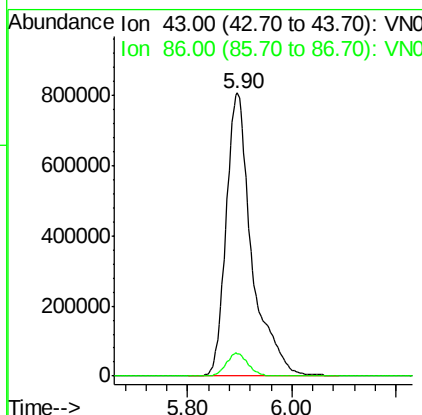
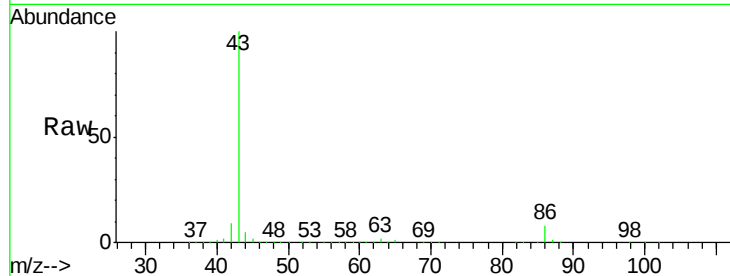
#23
 Vinyl Acetate
 Concen: 248.842 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2763842
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.6 10.0

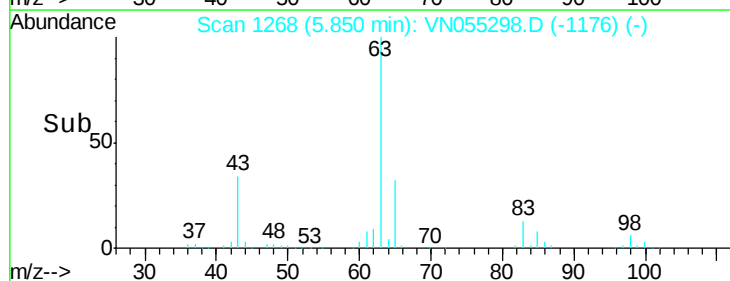
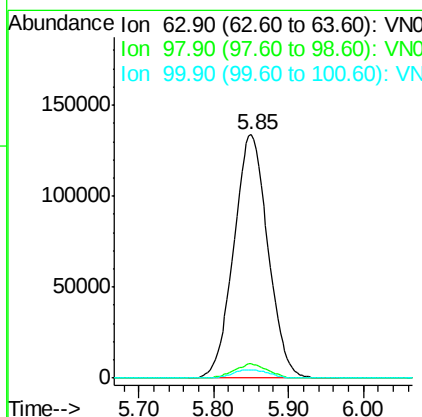
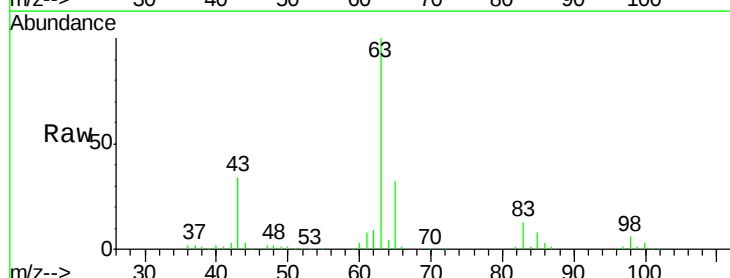
Manual Integrations
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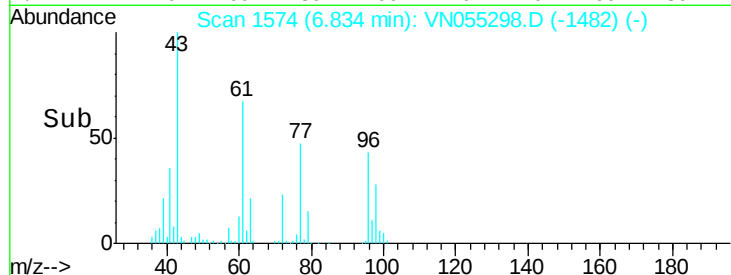
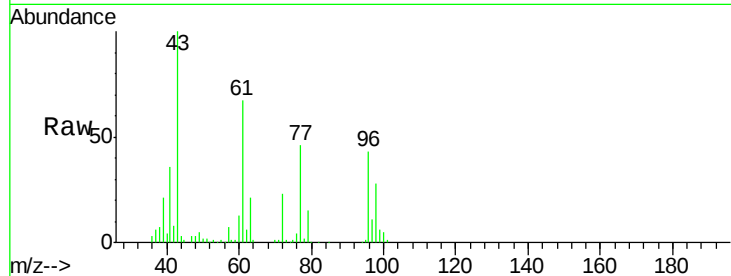
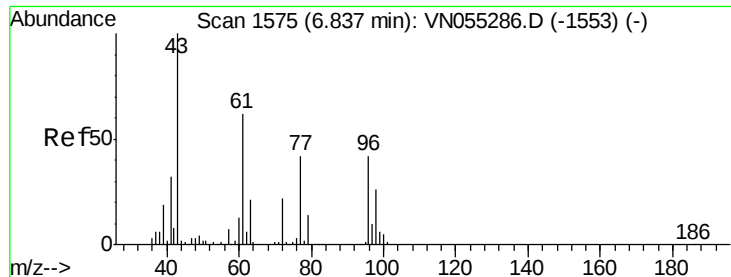
MMDadoda
 5/1/2019 3:00:14 PM



#24
 1,1-Dichloroethane
 Concen: 46.984 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Tgt Ion: 63 Resp: 424233
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.0 9.0
 100 3.4 1.8 5.4





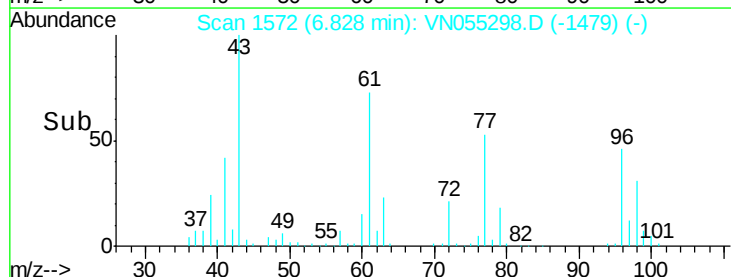
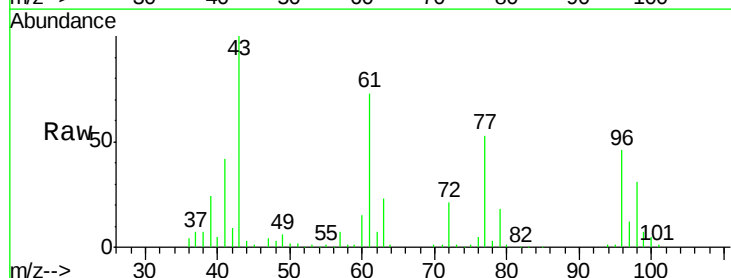
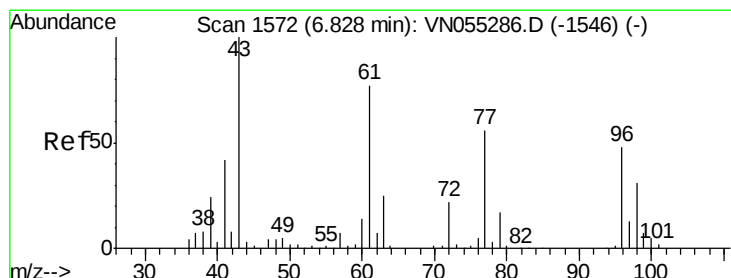
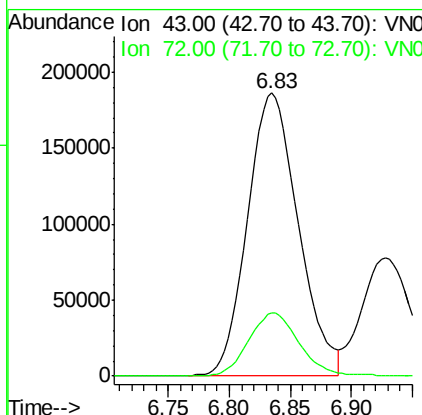
#25
2-Butanone
Concen: 246.421 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tot Ion: 43 Resp: 535537
Ion Ratio Lower Upper
43 100
72 22.6 18.0 27.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

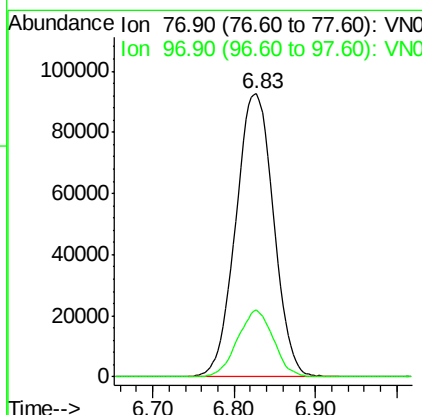
Manual Integrations
APPROVED

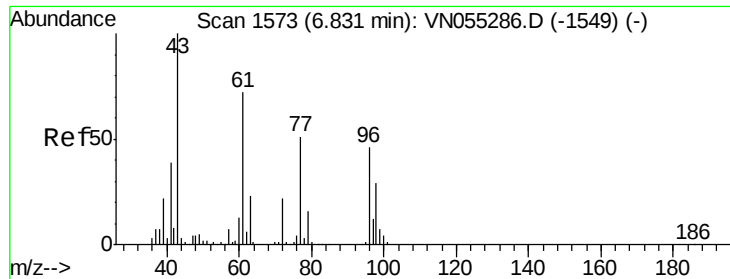
MMDadoda
5/1/2019 3:00:14 PM



#26
2,2-Dichloropropane
Concen: 47.667 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion: 77 Resp: 297210
Ion Ratio Lower Upper
77 100
97 22.4 11.4 34.2





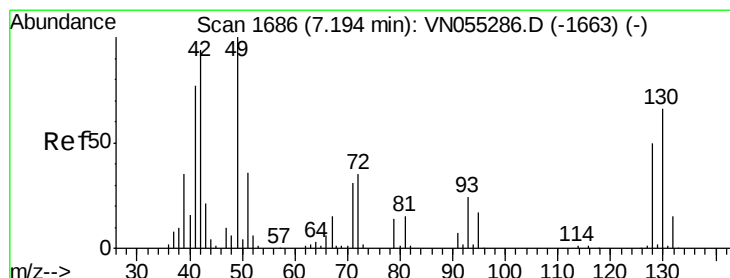
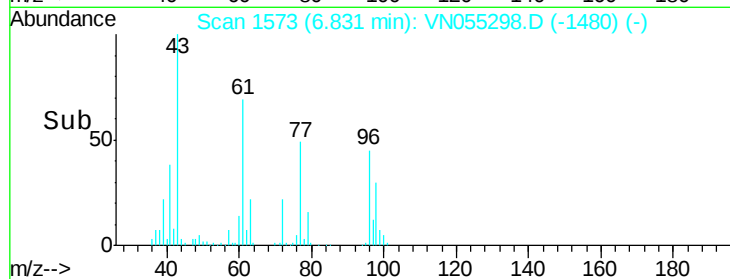
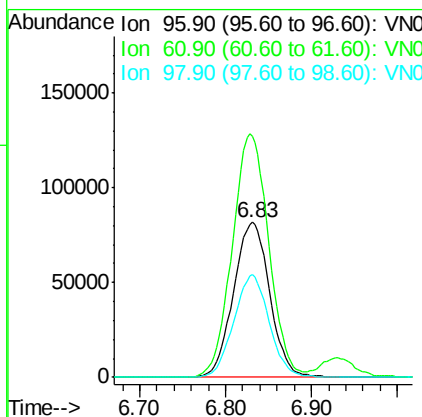
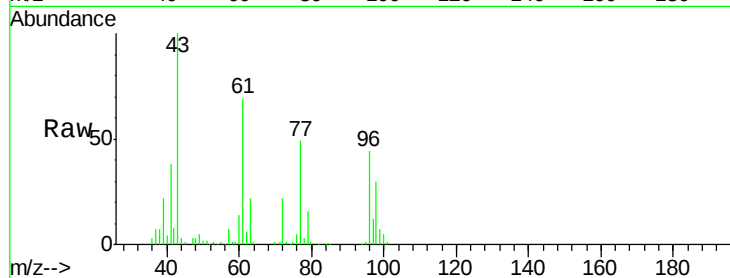
#27
 cis-1,2-Dichloroethene
 Concen: 48.244 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	157.7	0.0	316.2	
98	64.7	0.0	126.6	

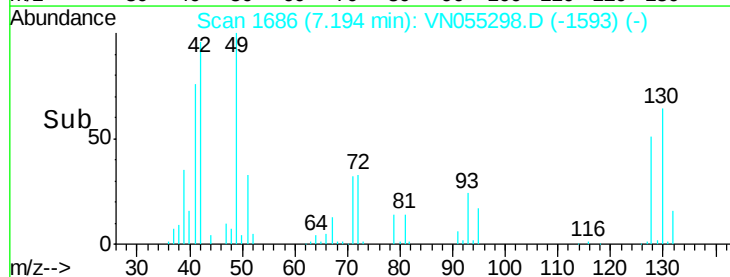
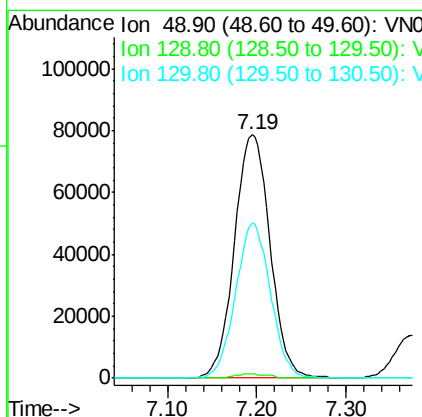
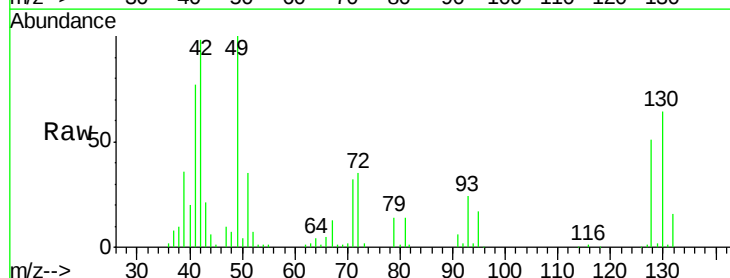
Manual Integrations
 APPROVED

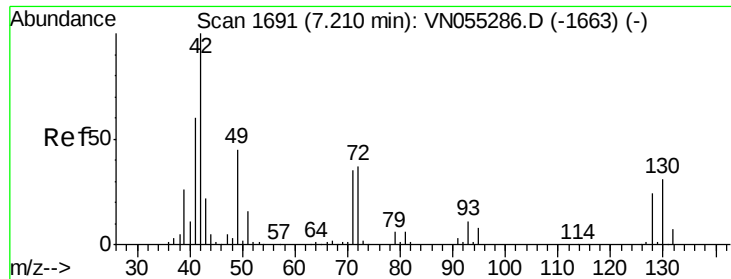
MMDadoda
 5/1/2019 3:00:14 PM



#28
 Bromochloromethane
 Concen: 47.869 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	2.4	
130	62.3	52.0	78.0	





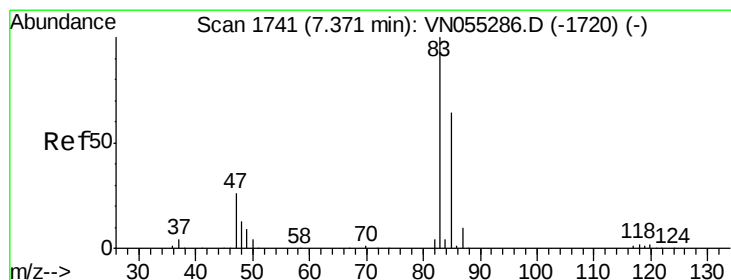
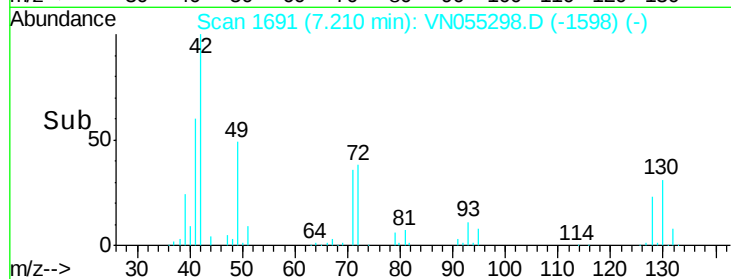
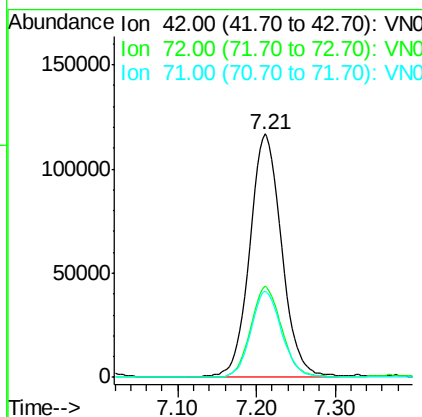
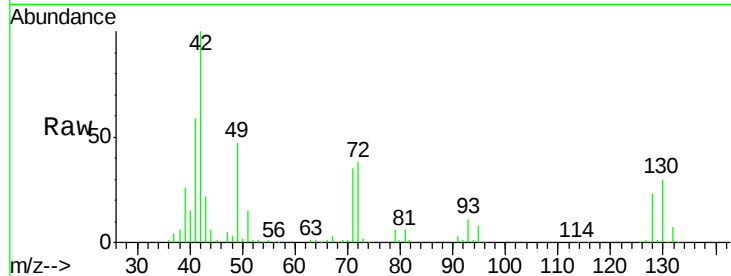
#29
Tetrahydrofuran
Concen: 240.917 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	29.0	43.6
71	34.3	27.1	40.7

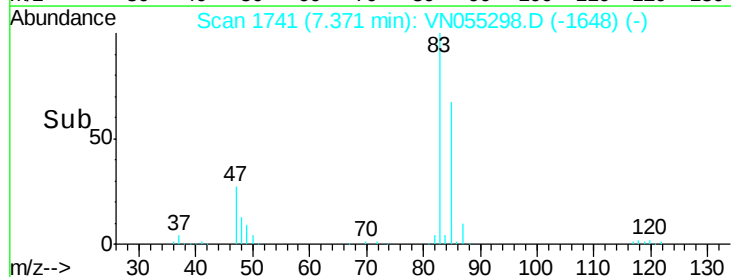
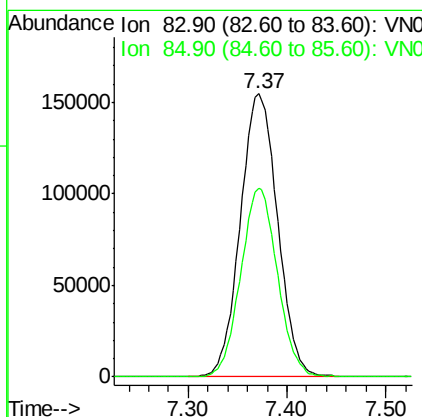
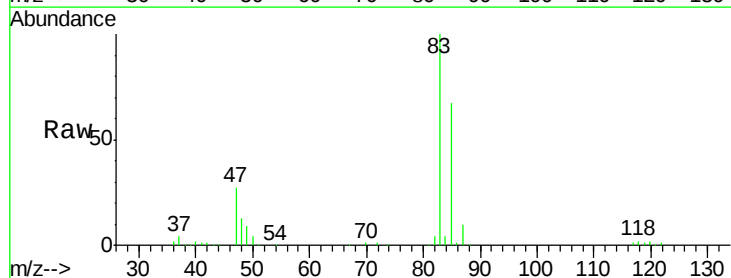
Manual Integrations
APPROVED

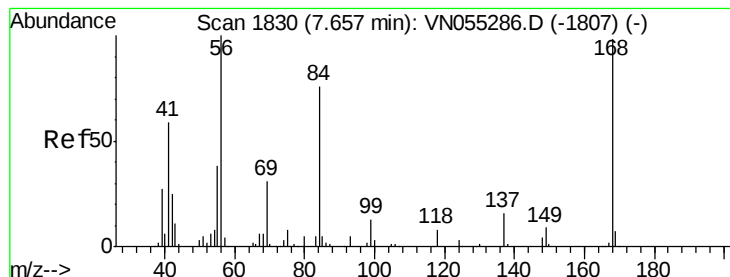
MMDadoda
5/1/2019 3:00:14 PM



#30
Chloroform
Concen: 47.304 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.4	77.2





#31

Cyclohexane

Concen: 45.442 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Instrument :

MSVOA_N

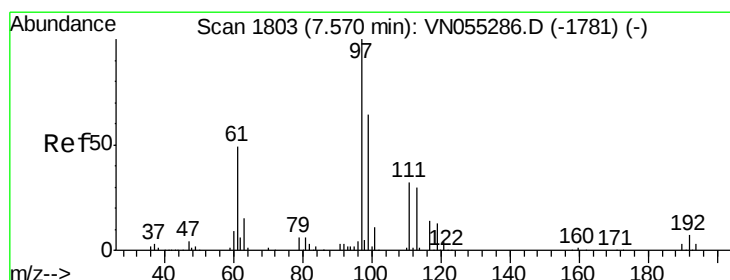
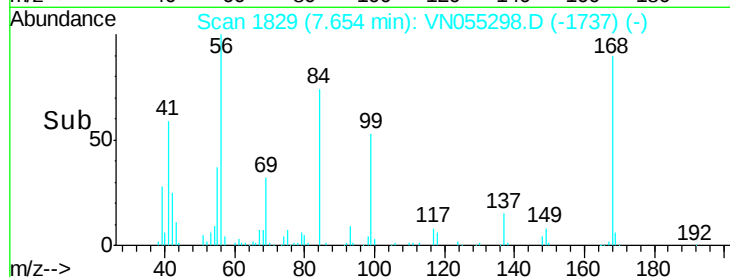
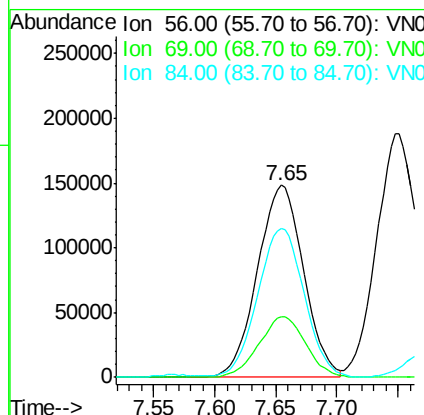
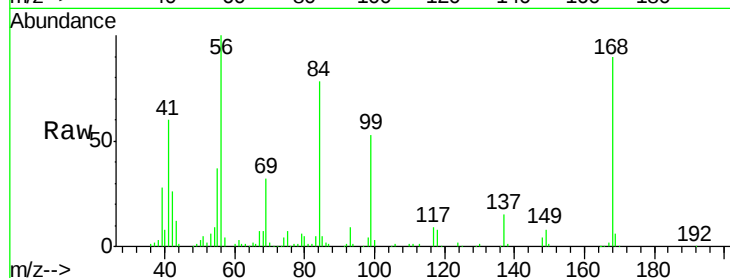
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	389838
Ion Ratio	Lower	Upper	
56	100		
69	31.6	25.2	37.8
84	76.4	61.1	91.7

Manual Integrations
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5/1/2019 3:00:14 PM



#32

1,1,1-Trichloroethane

Concen: 47.151 ug/l

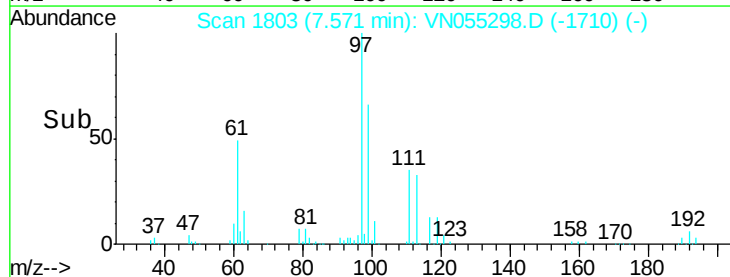
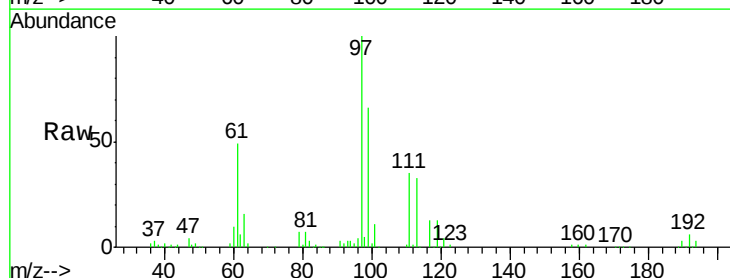
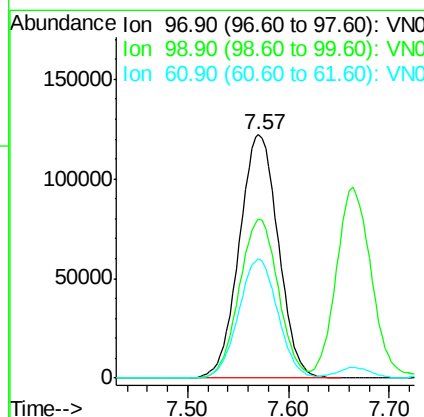
RT: 7.57 min Scan# 1803

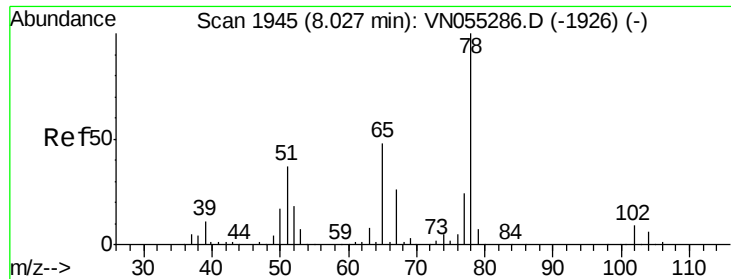
Delta R.T. 0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Tgt Ion:	97	Resp:	327550
Ion Ratio	Lower	Upper	
97	100		
99	65.4	51.8	77.8
61	48.9	39.0	58.6





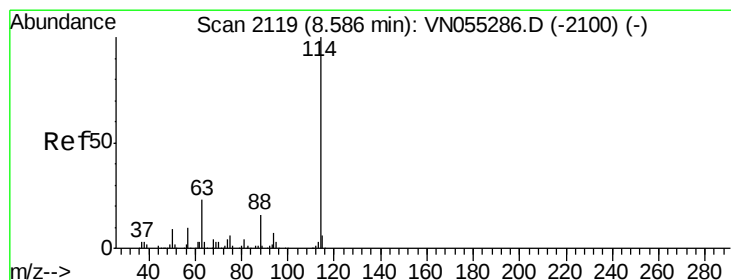
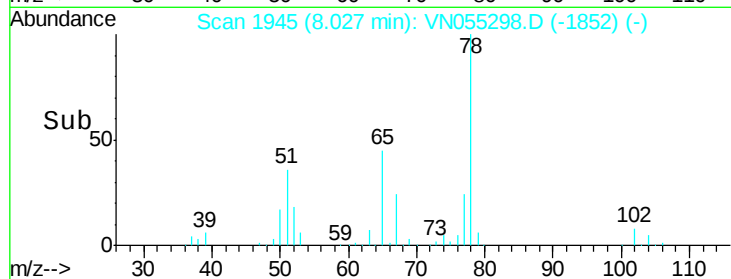
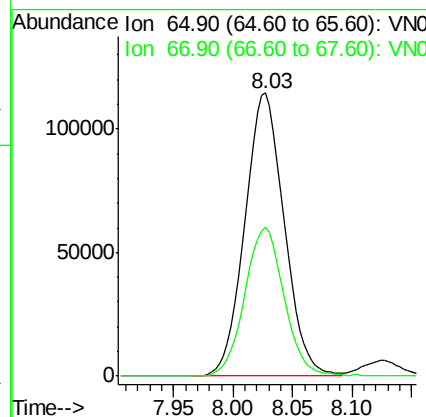
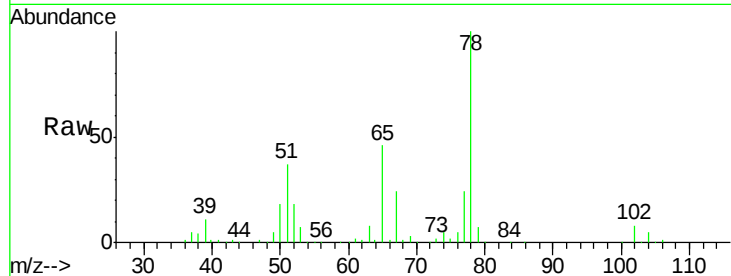
#33
 1,2-Dichloroethane-d4
 Concen: 48.207 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	262914		
67	52.3	0.0	106.8	

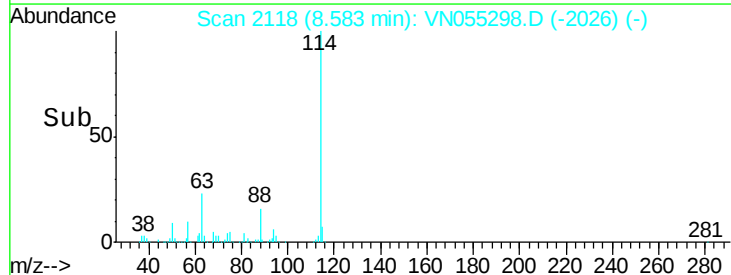
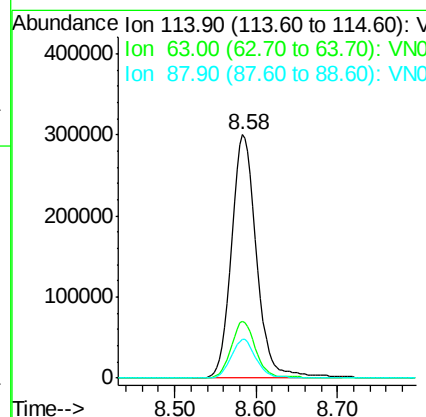
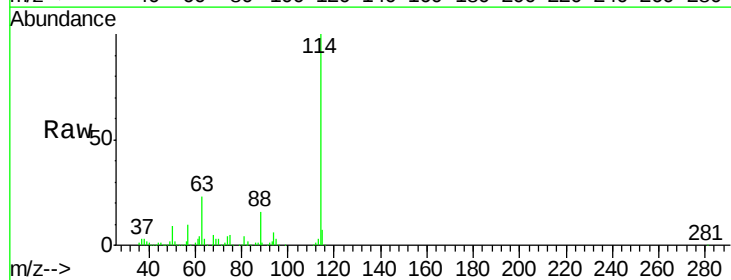
Manual Integrations
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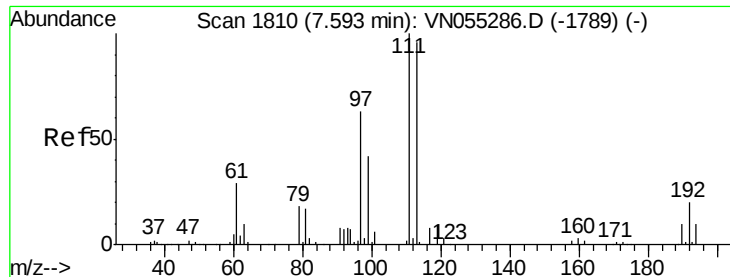
MMDadoda
 5/1/2019 3:00:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	652654		
63	23.4	0.0	45.2	
88	15.7	0.0	31.6	





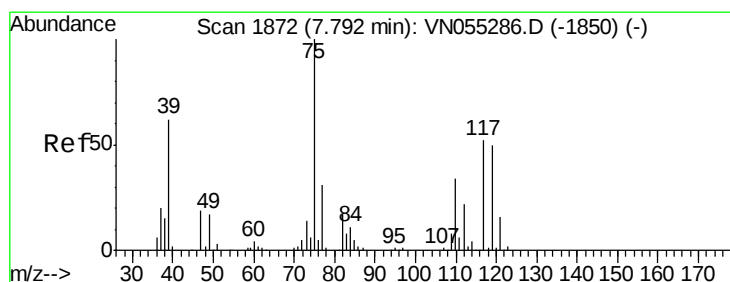
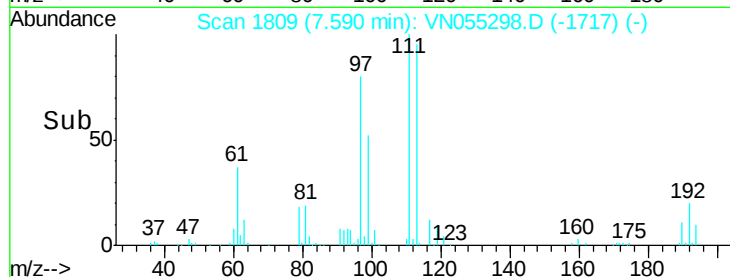
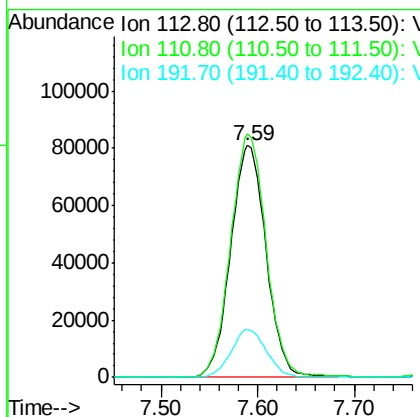
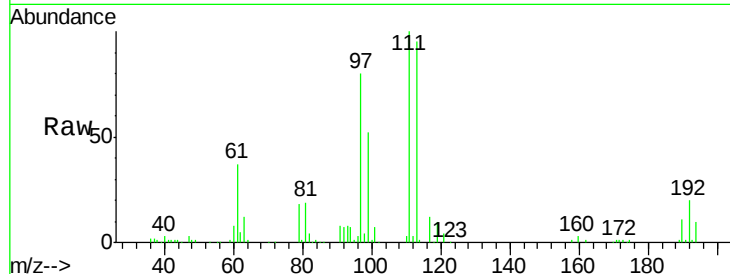
#35
Dibromofluoromethane
Concen: 48.068 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	205912		
111	104.7	82.3	123.5	
192	20.6	17.0	25.6	

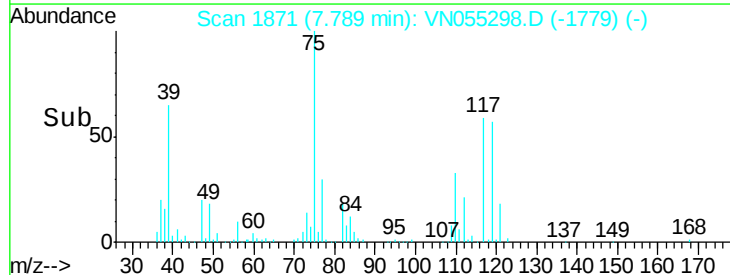
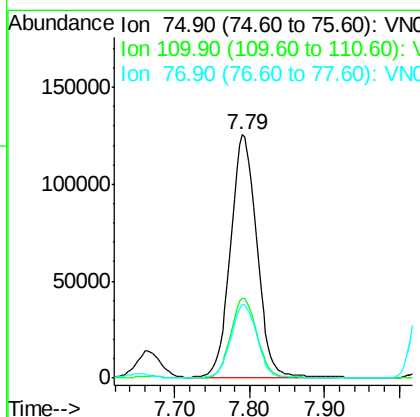
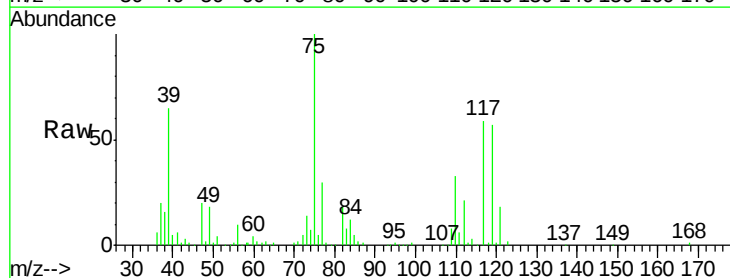
Manual Integrations
APPROVED

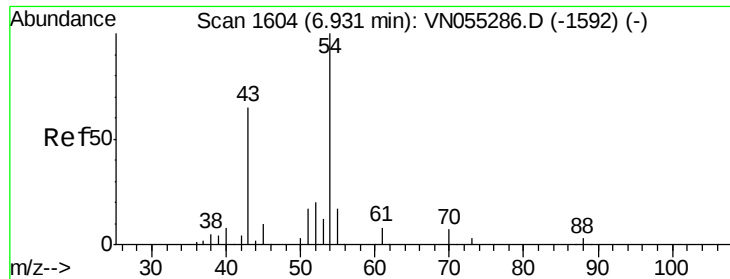
MMDadoda
5/1/2019 3:00:14 PM



#36
1,1-Dichloropropene
Concen: 49.052 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	306644		
110	32.8	16.8	50.4	
77	30.3	25.0	37.6	





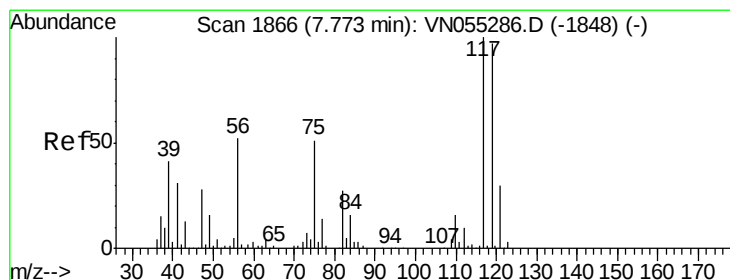
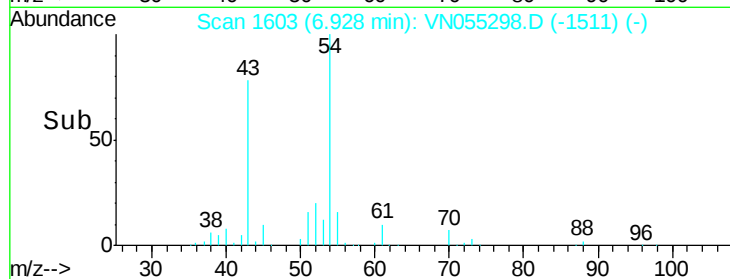
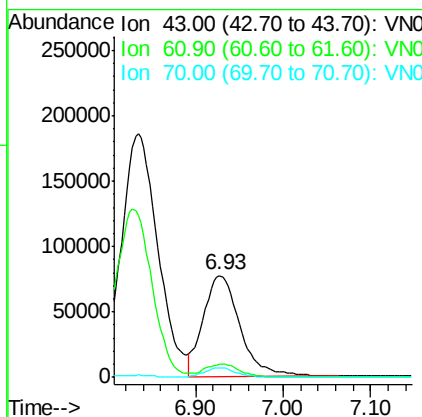
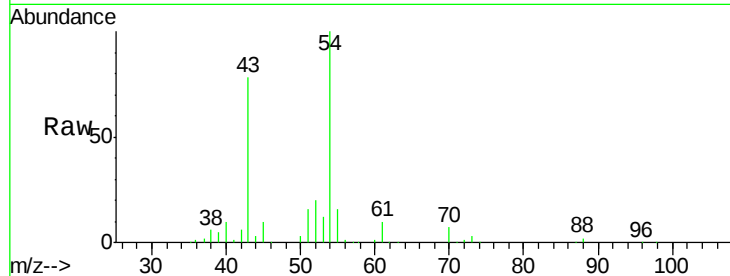
#37
Ethyl Acetate
Concen: 46.778 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	43	61	70
Resp	224122		
Ratio	100	12.6	8.6
Lower		10.4	6.6
Upper		15.6	10.0

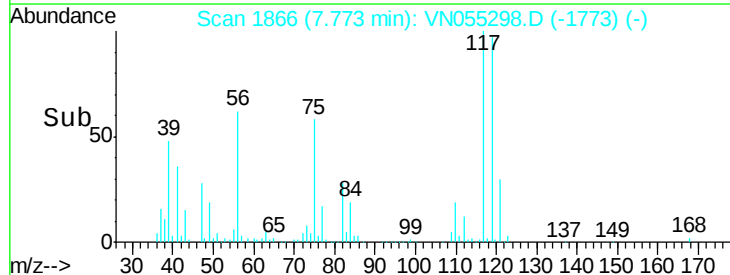
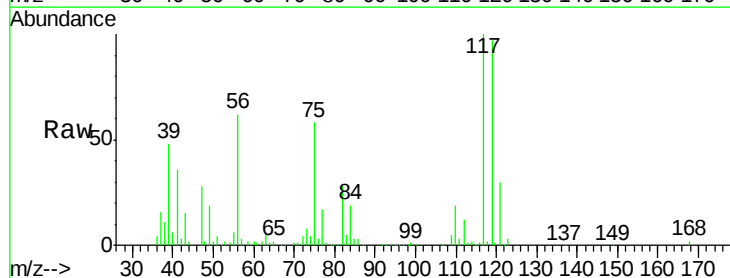
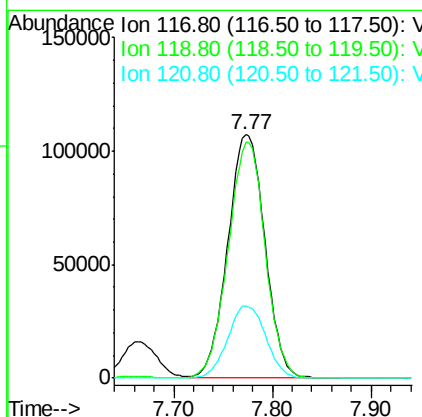
Manual Integrations
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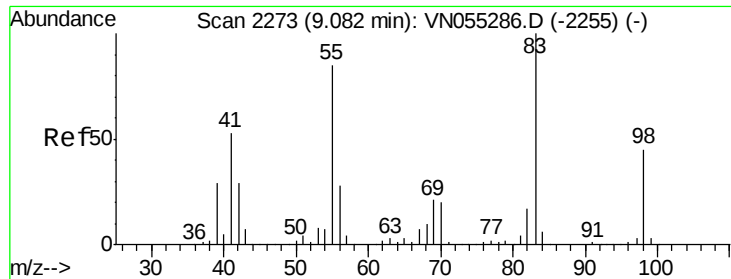
MMDadoda
5/1/2019 3:00:14 PM



#38
Carbon Tetrachloride
Concen: 46.610 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion	117	119	121
Resp	281078		
Ratio	100	96.7	29.6
Lower		77.0	23.8
Upper		115.6	35.8





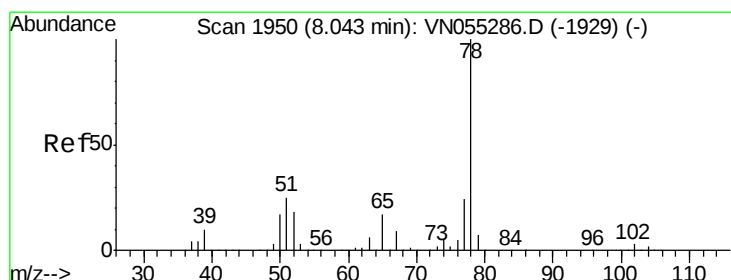
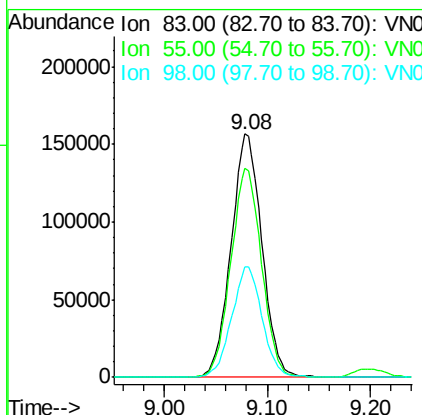
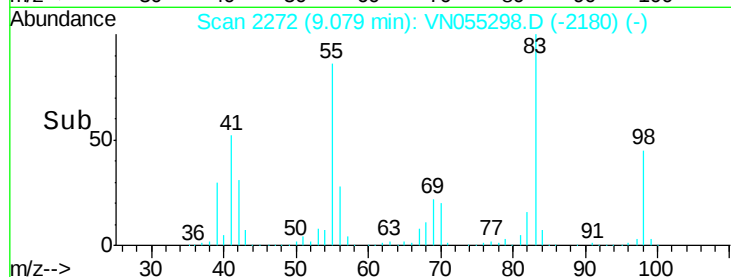
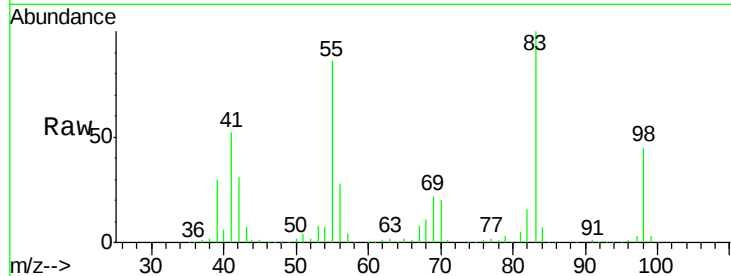
#39
Methvlcvclohexane
Concen: 49.146 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.1	67.8	101.6
98	45.4	36.2	54.4

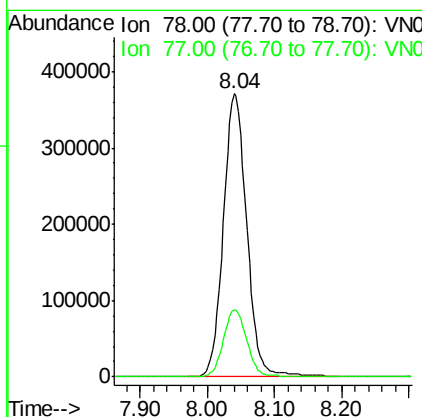
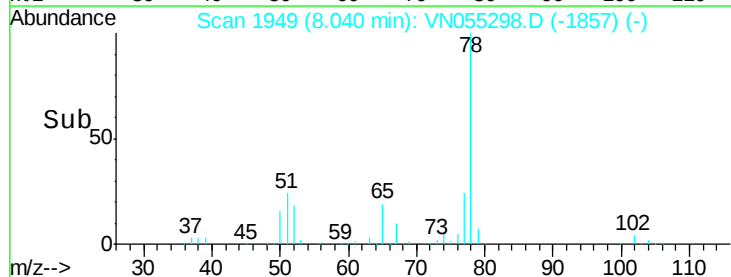
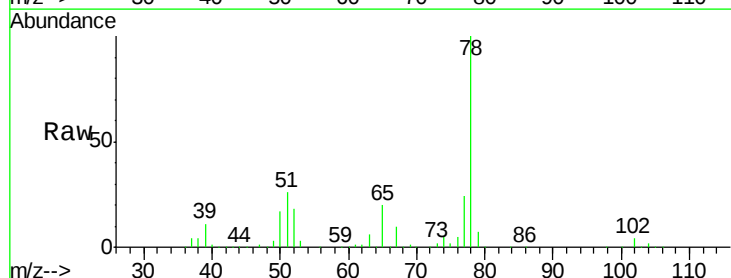
Manual Integrations
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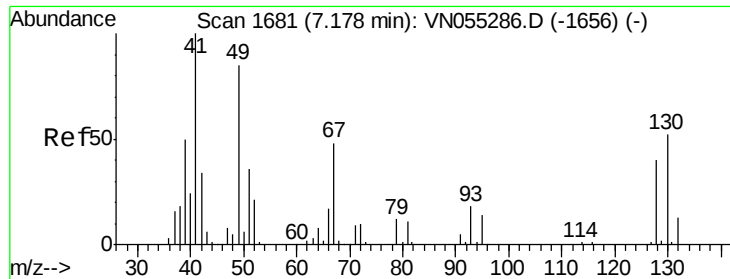
MMDadoda
5/1/2019 3:00:14 PM



#40
Benzene
Concen: 48.759 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





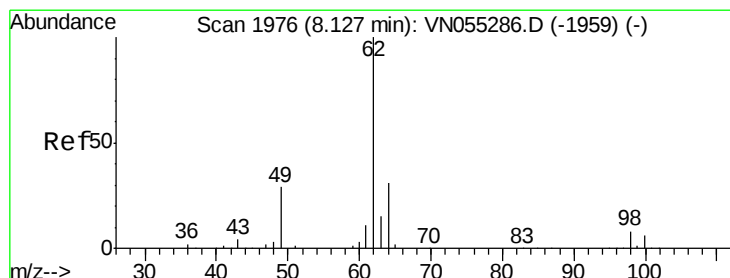
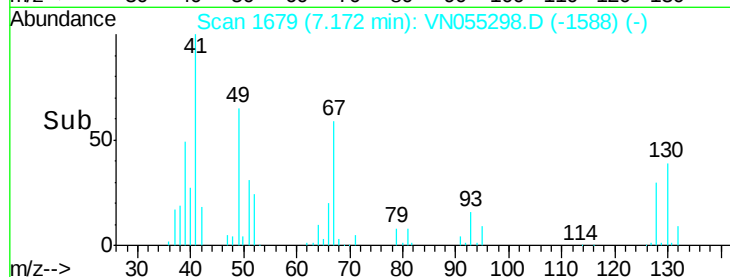
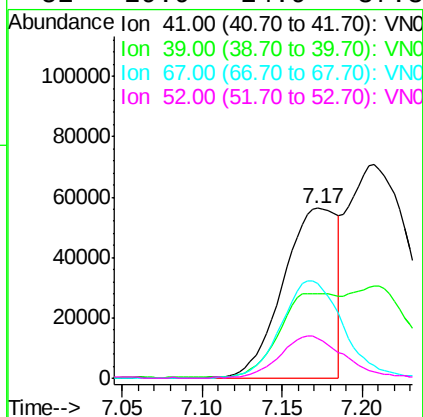
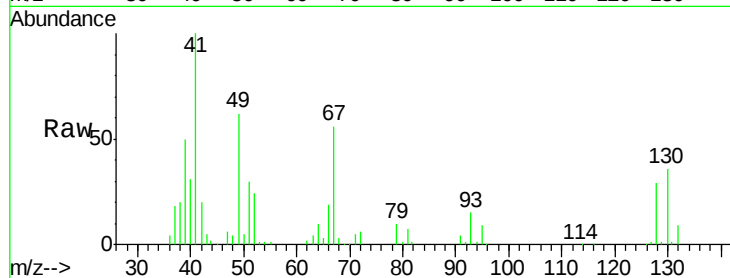
#41
Methacrylonitrile
Concen: 51.139 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	41	Resp	132651
Ion Ratio	Lower	Upper	
41	100		
39	51.8	48.5	72.7
67	66.8	54.9	82.3
52	29.9	24.9	37.3

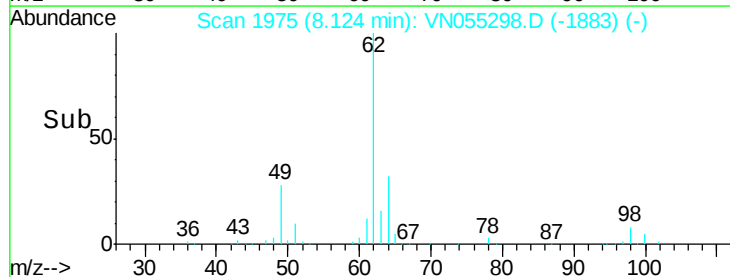
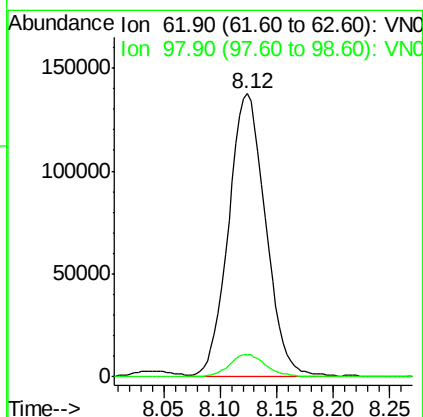
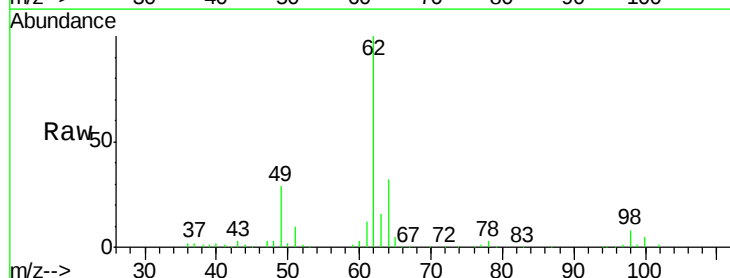
Manual Integrations
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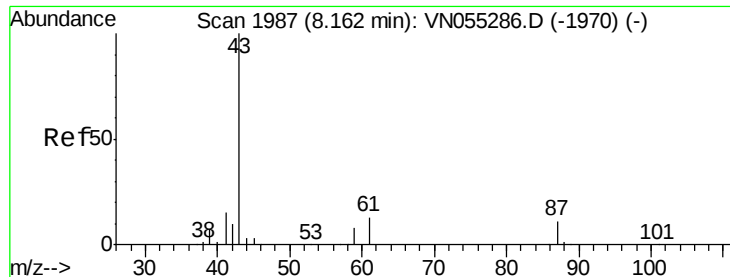
MMDadoda
5/1/2019 3:00:14 PM



#42
1,2-Dichloroethane
Concen: 47.888 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion	62	Resp	312573
Ion Ratio	Lower	Upper	
62	100		
98	7.9	0.0	16.4





#43

Isopropyl Acetate

Concen: 49.358 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Instrument :

MSVOA_N

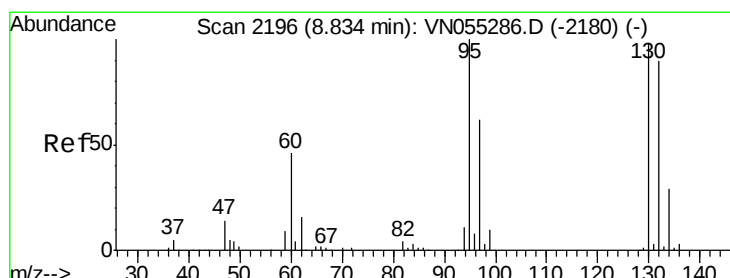
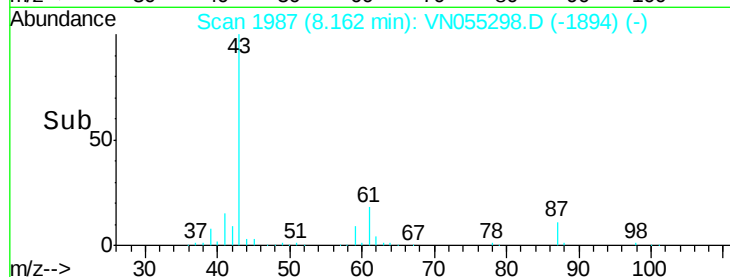
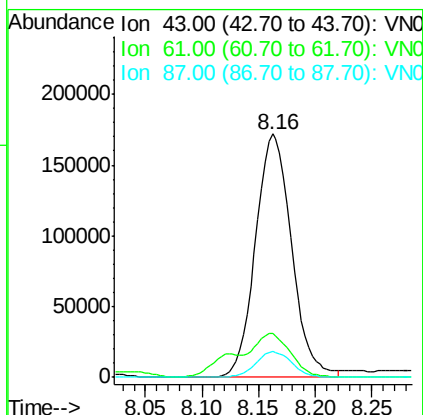
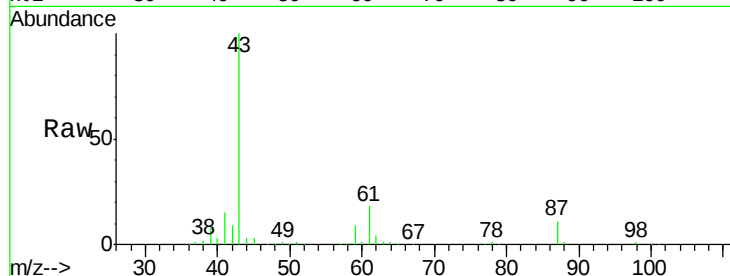
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	380039
Ion	Ratio	Lower	Upper
43	100		
61	17.5	20.8	31.2#
87	10.6	8.5	12.7

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#44

Trichloroethene

Concen: 47.172 ug/l

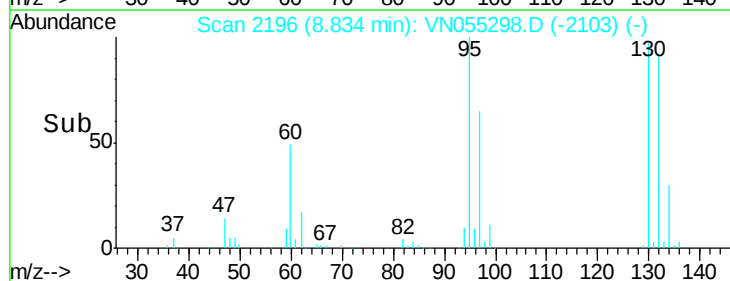
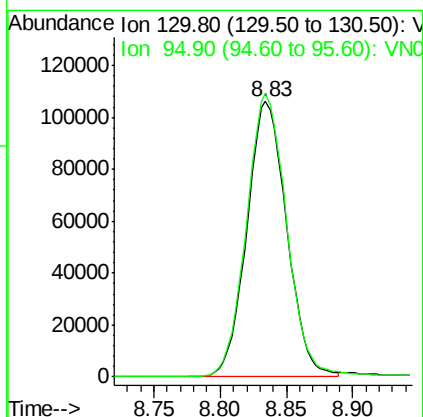
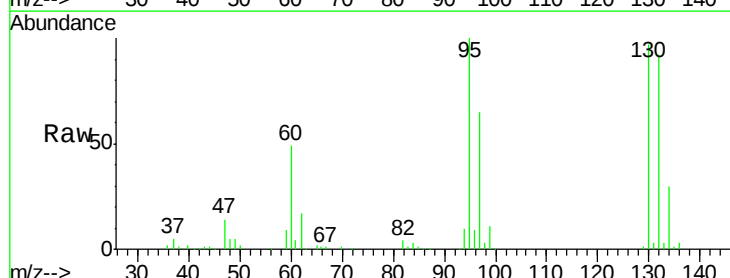
RT: 8.83 min Scan# 2196

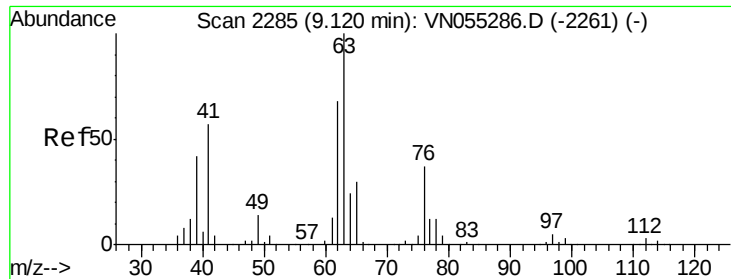
Delta R.T. 0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Tgt Ion:	130	Resp:	221614
Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	203.4





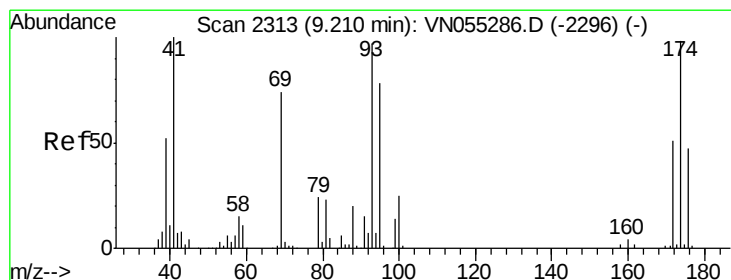
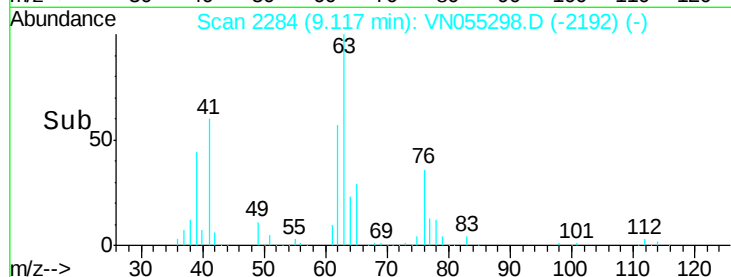
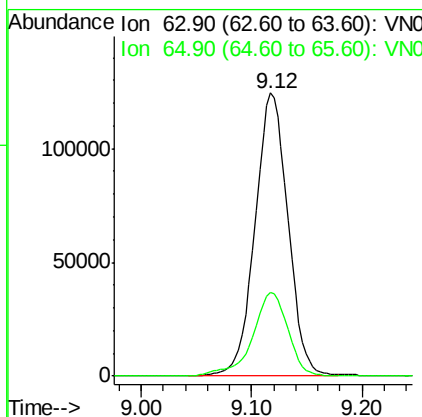
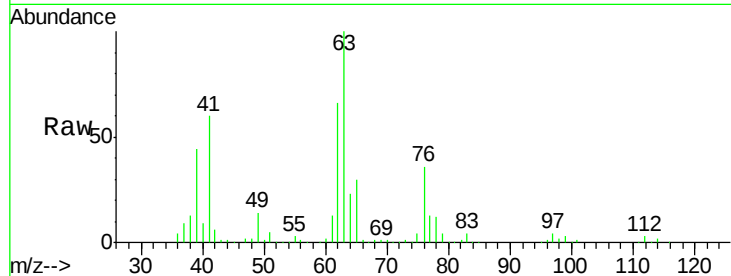
#45
 1,2-Dichloropropane
 Concen: 48.484 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 257699
 Ion Ratio Lower Upper
 63 100
 65 29.4 23.9 35.9

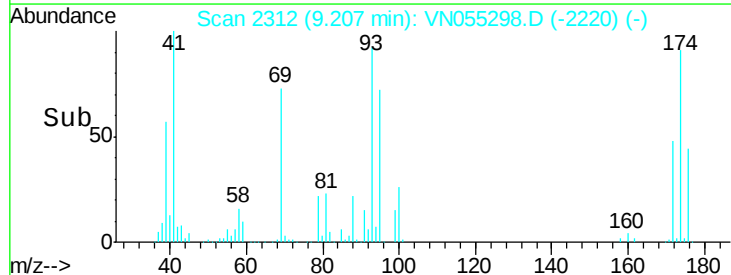
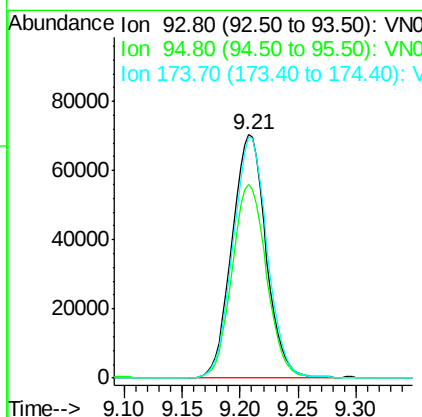
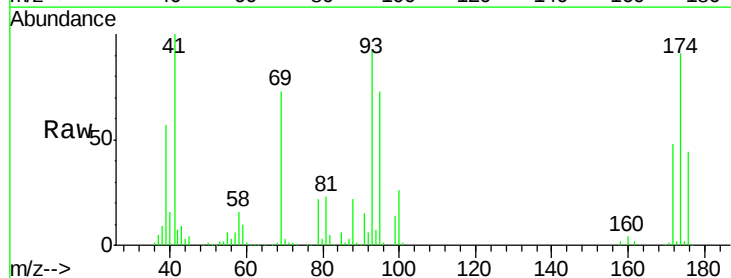
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 5/1/2019 3:00:14 PM



#46
 Dibromomethane
 Concen: 49.336 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Tgt Ion: 93 Resp: 143336
 Ion Ratio Lower Upper
 93 100
 95 80.5 65.7 98.5
 174 99.2 81.5 122.3





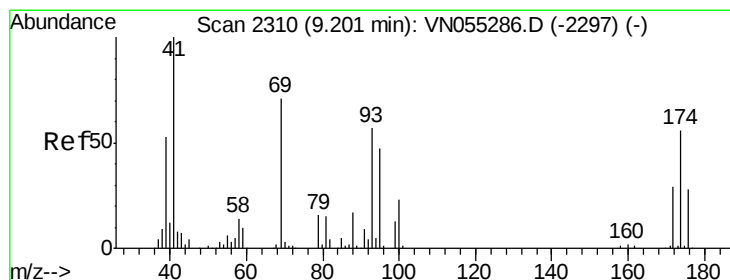
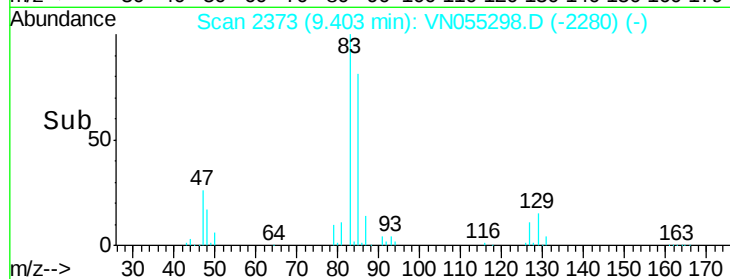
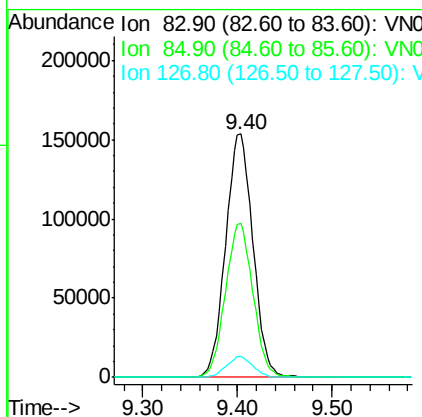
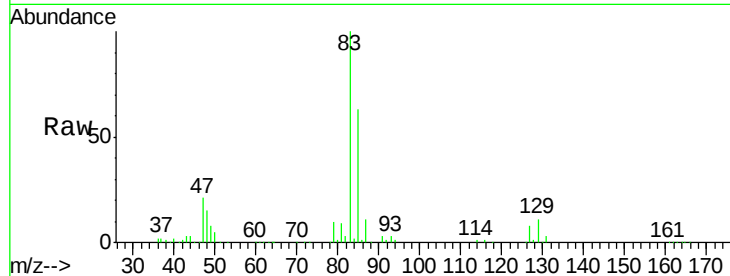
#47
Bromodichloromethane
Concen: 49.504 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	308547
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	50.1	75.1
127	8.5	6.7	10.1

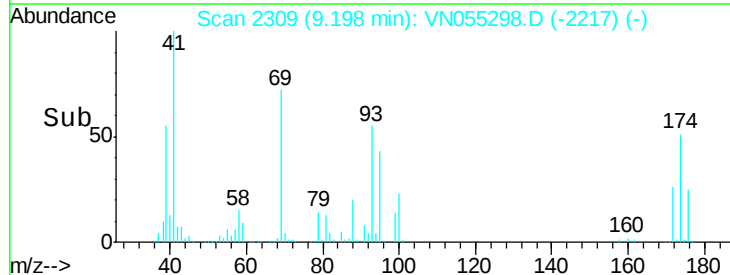
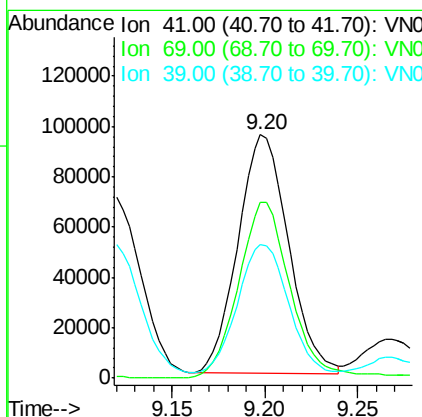
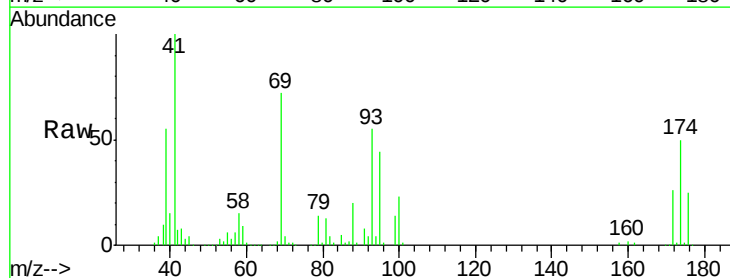
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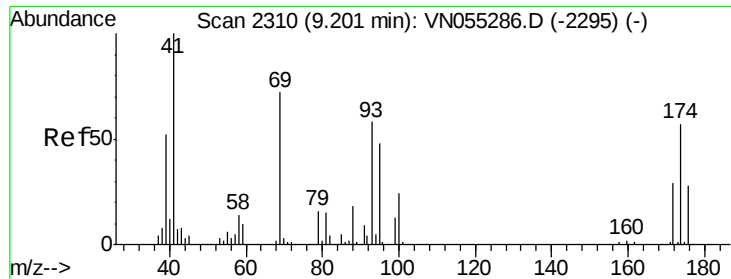
MMDadoda
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#48
Methyl methacrylate
Concen: 47.485 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion	41	Resp	179741
Ion Ratio	100	Lower	Upper
41	100		
69	77.4	58.6	87.8
39	57.5	43.8	65.6





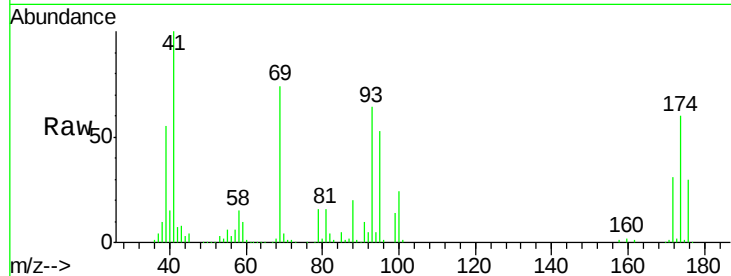
#49
1,4-Dioxane
Concen: 1052.855 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

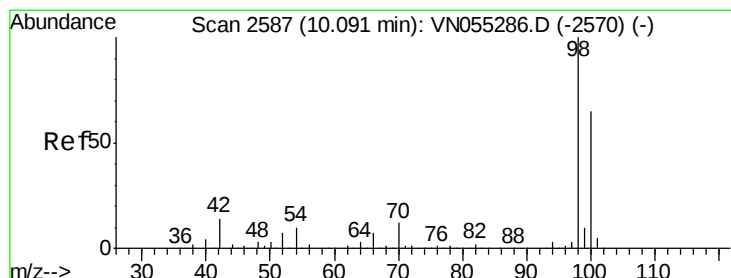
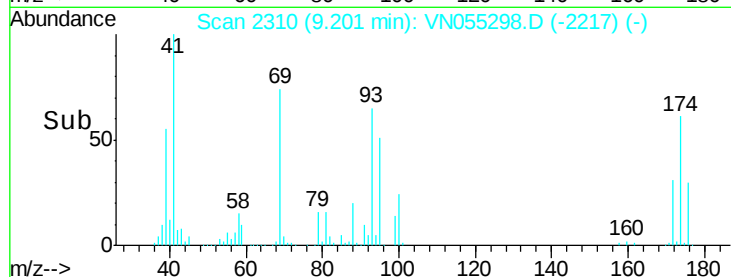
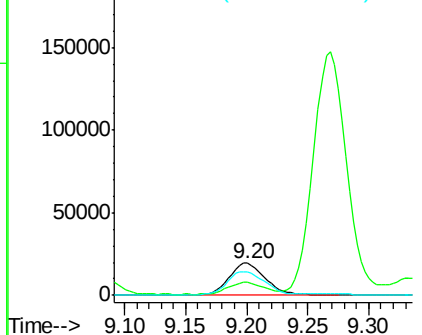
Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	33.3	49.9
58	76.1	62.7	94.1

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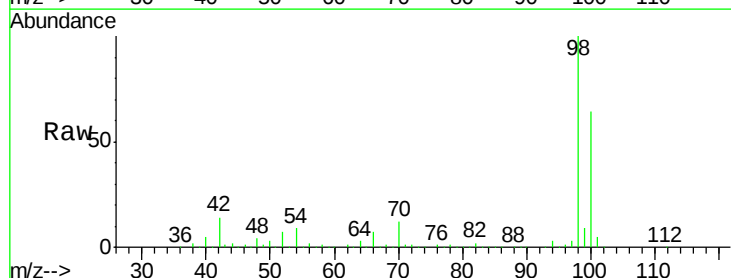


Abundance Ion 88.00 (87.70 to 88.70): VN055298.D (-2217) (-)
Ion 43.00 (42.70 to 43.70): VN055298.D (-2217) (-)
Ion 58.00 (57.70 to 58.70): VN055298.D (-2217) (-)

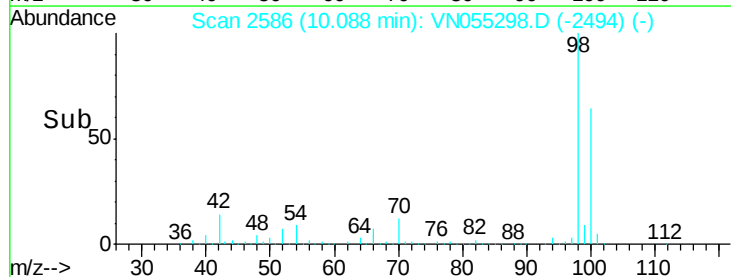
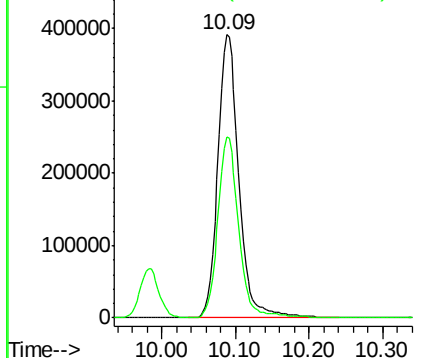


#50
Toluene-d8
Concen: 50.101 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055298.D (-2494) (-)
Ion 100.00 (99.70 to 100.70): VN055298.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 249.821 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1082988

Ion Ratio Lower Upper

43 100

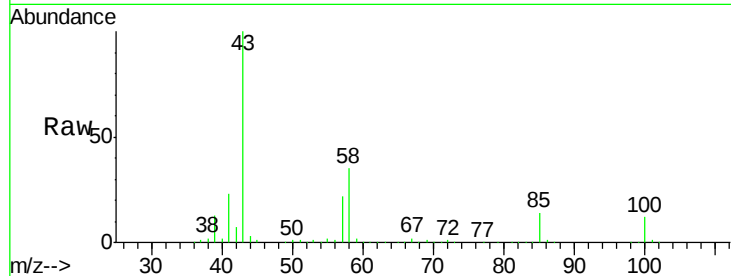
58 34.9 28.5 42.7

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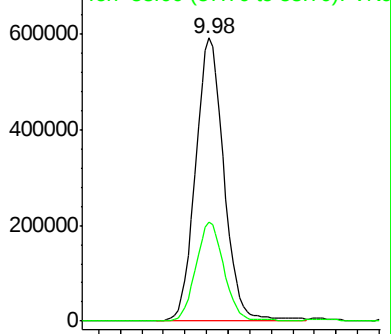
MMDadoda

5/1/2019 3:00:14 PM

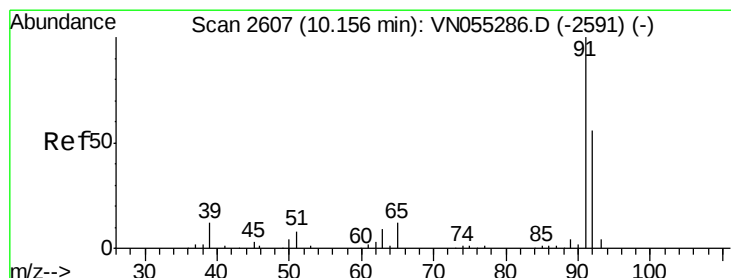
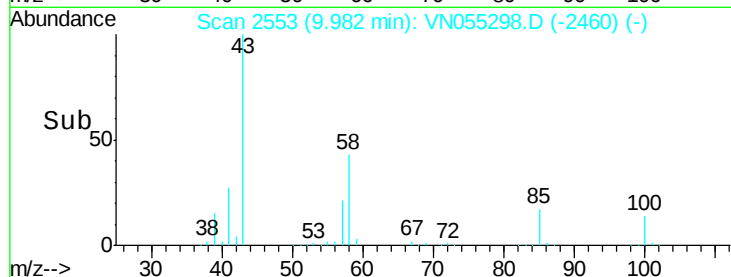


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 50.144 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055298.D

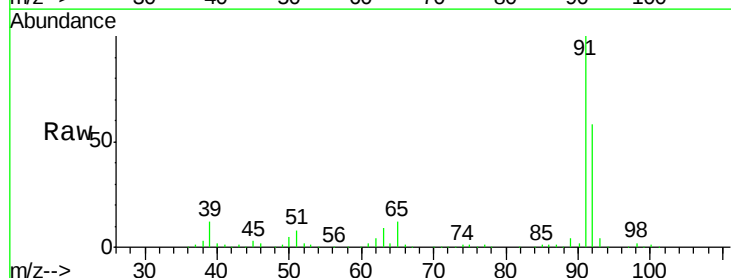
Acq: 30 Apr 2019 10:51

Tgt Ion: 92 Resp: 530221

Ion Ratio Lower Upper

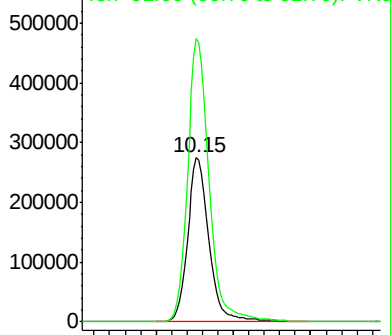
92 100

91 174.2 140.1 210.1

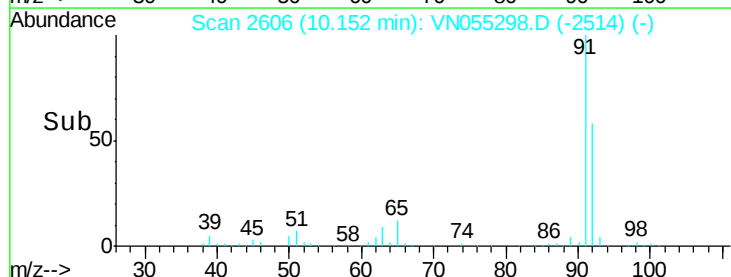


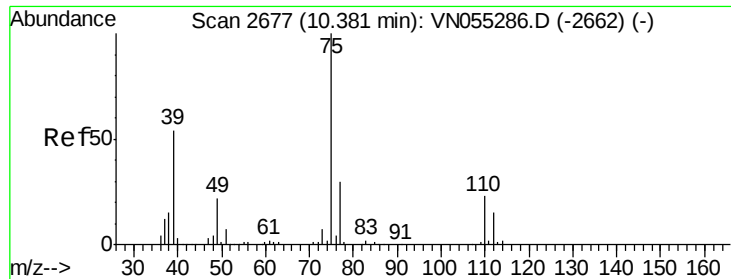
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





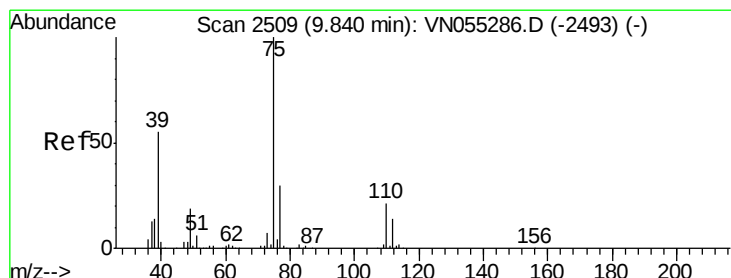
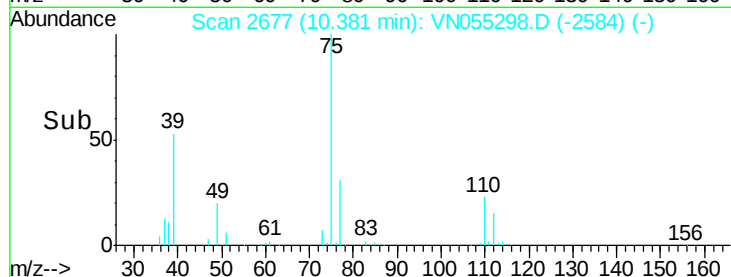
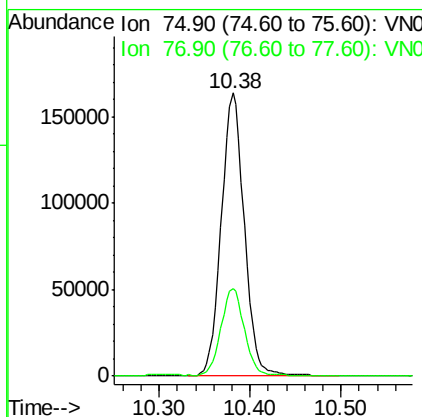
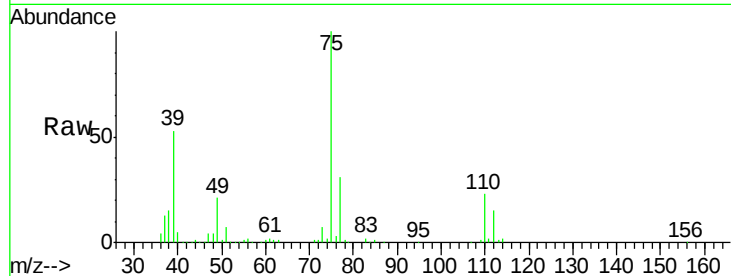
#53
t-1,3-Dichloropropene
Concen: 53.298 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 288378
Ion Ratio Lower Upper
75 100
77 31.0 24.4 36.6

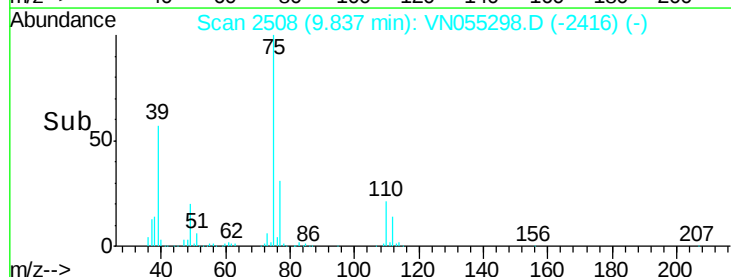
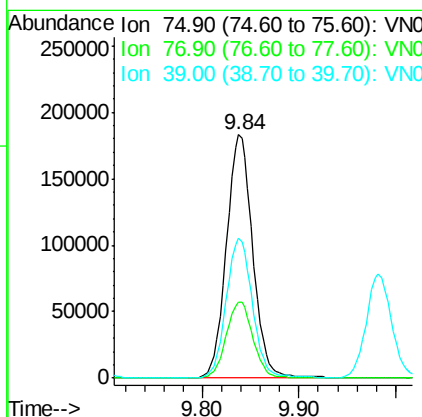
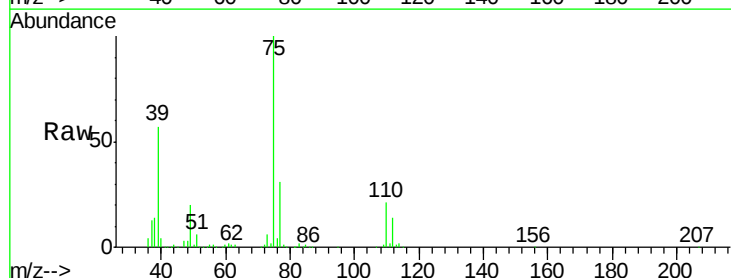
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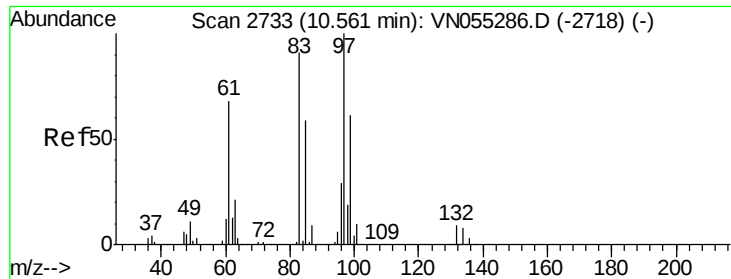
MMDadoda
5/1/2019 3:00:14 PM



#54
cis-1,3-Dichloropropene
Concen: 51.223 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion: 75 Resp: 345555
Ion Ratio Lower Upper
75 100
77 31.4 24.2 36.2
39 57.3 44.2 66.2





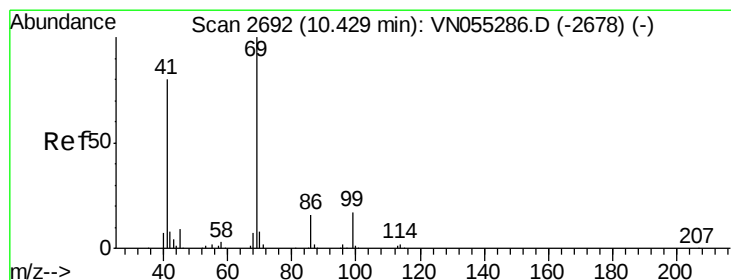
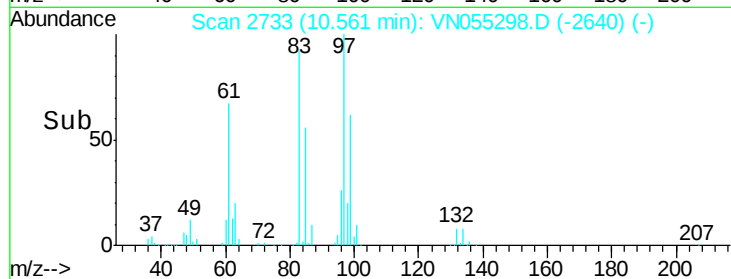
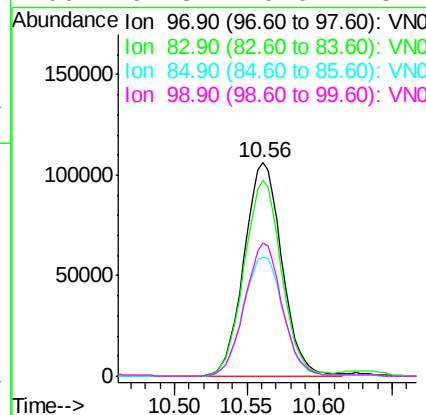
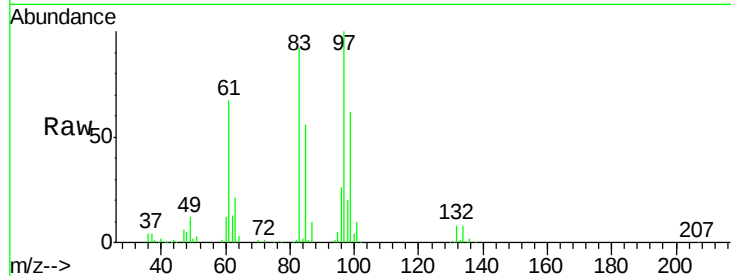
#55
 1,1,2-Trichloroethane
 Concen: 49.289 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	193533
Ion	Ratio	Lower	Upper
97	100		
83	91.9	72.8	109.2
85	56.0	47.0	70.6
99	62.3	49.0	73.4

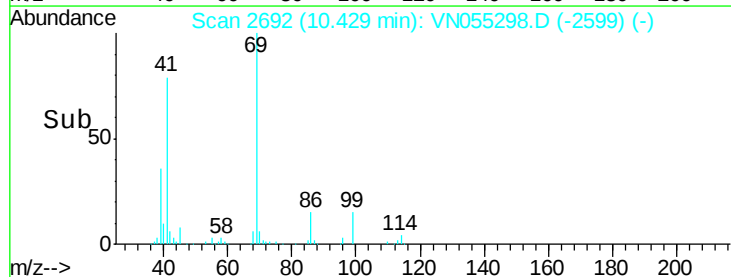
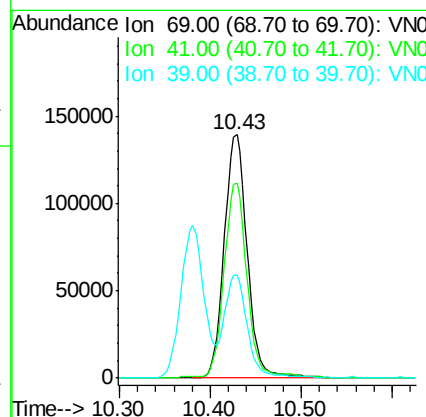
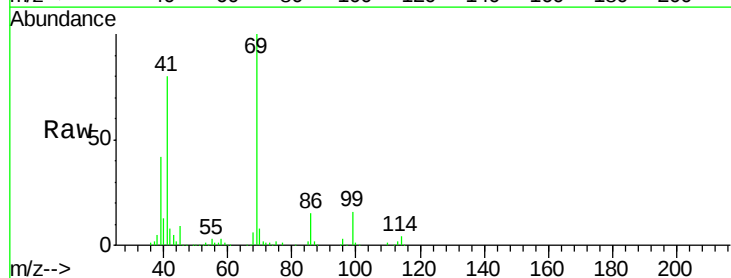
Manual Integrations
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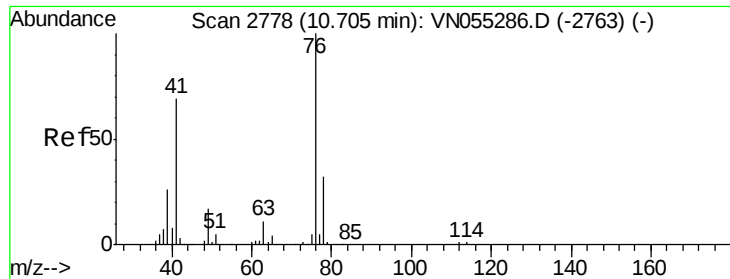
MMDadoda
 5/1/2019 3:00:14 PM



#56
 Ethyl methacrylate
 Concen: 50.862 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Tgt Ion:	69	Resp:	245814
Ion	Ratio	Lower	Upper
69	100		
41	80.6	62.7	94.1
39	41.5	32.0	48.0





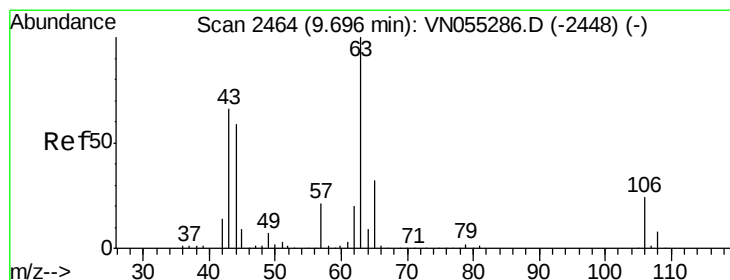
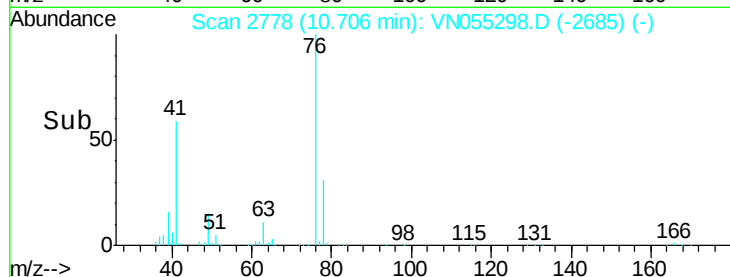
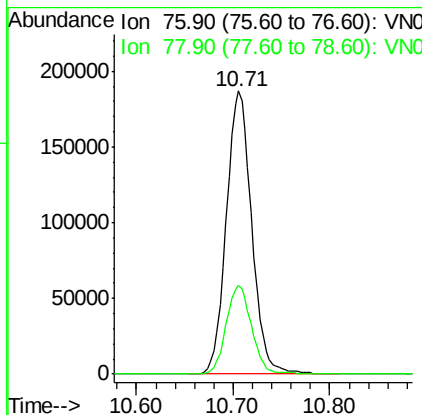
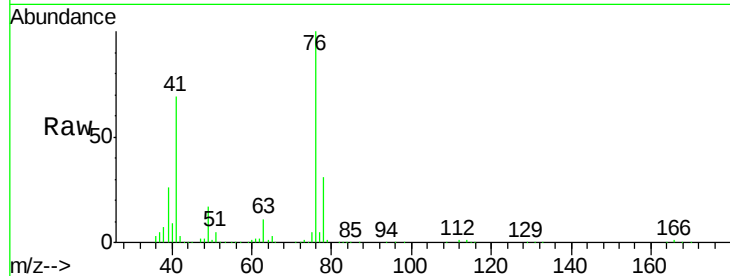
#57
 1,3-Dichloropropane
 Concen: 49.439 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 340542
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.6 38.4

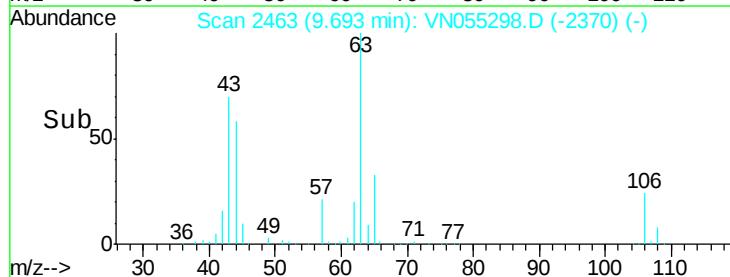
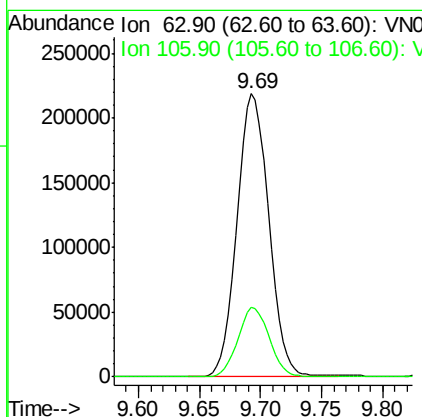
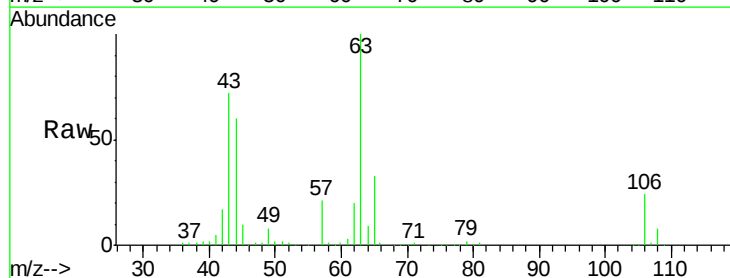
Manual Integrations
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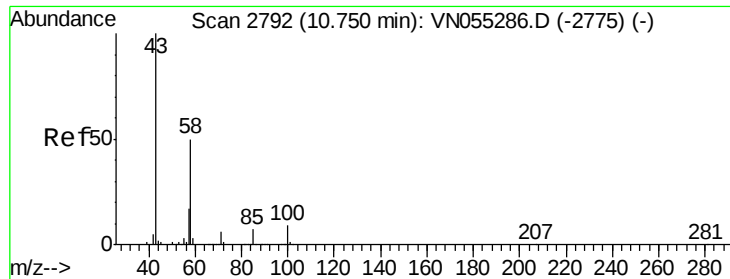
MMDadoda
 5/1/2019 3:00:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 262.508 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Tgt Ion: 63 Resp: 394713
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.0 28.4





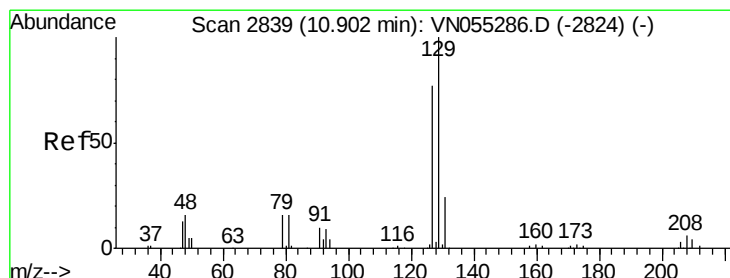
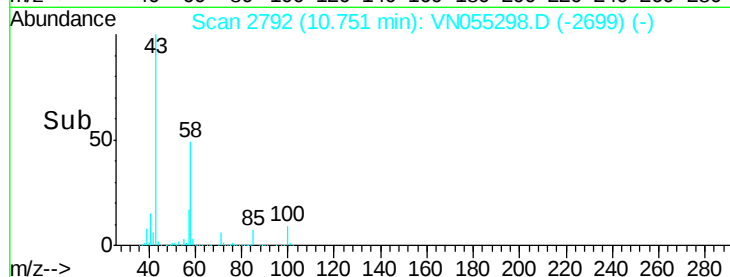
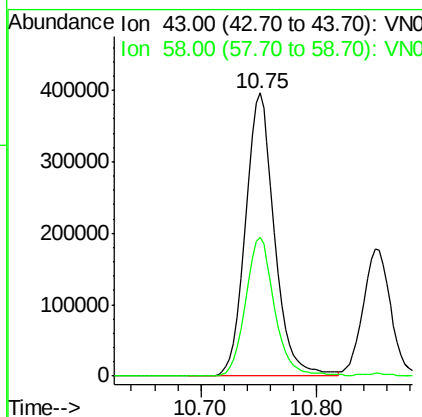
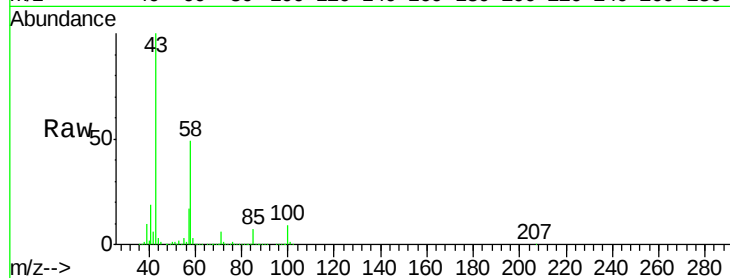
#59
2-Hexanone
Concen: 254.069 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 689133
Ion Ratio Lower Upper
43 100
58 49.0 24.9 74.6

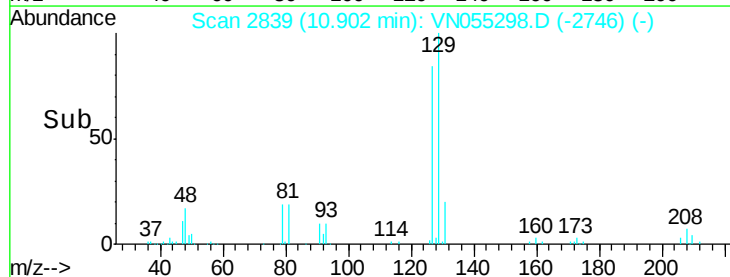
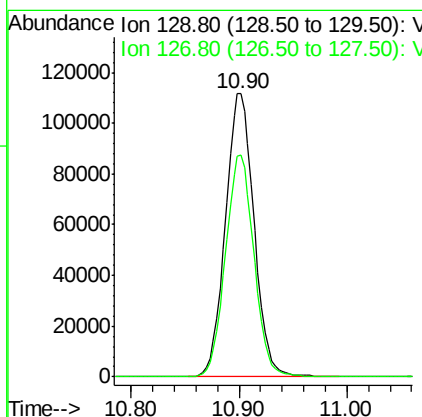
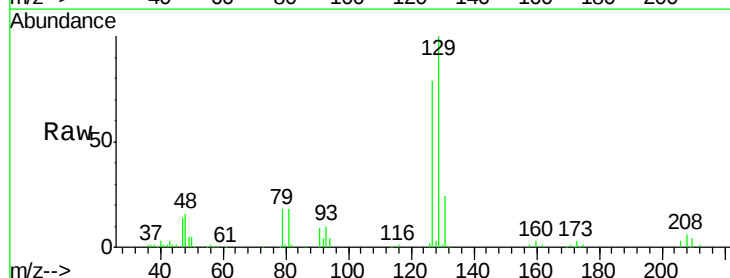
Manual Integrations
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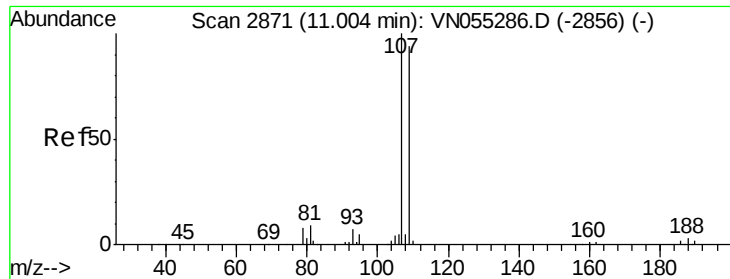
MMDadoda
5/1/2019 3:00:14 PM



#60
Dibromochloromethane
Concen: 51.385 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion: 129 Resp: 206211
Ion Ratio Lower Upper
129 100
127 78.0 38.1 114.5





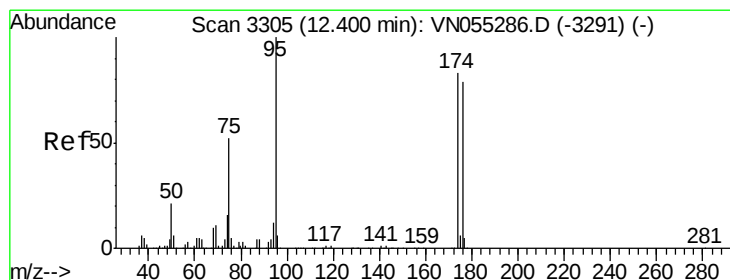
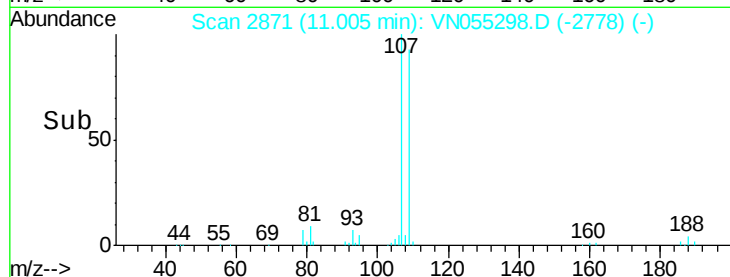
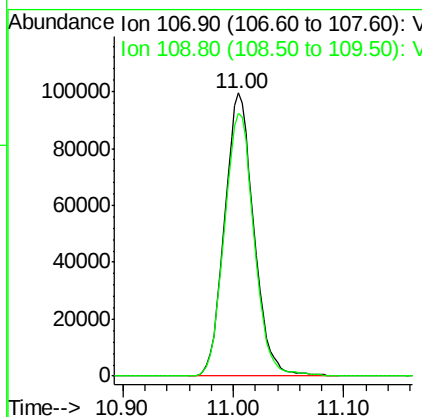
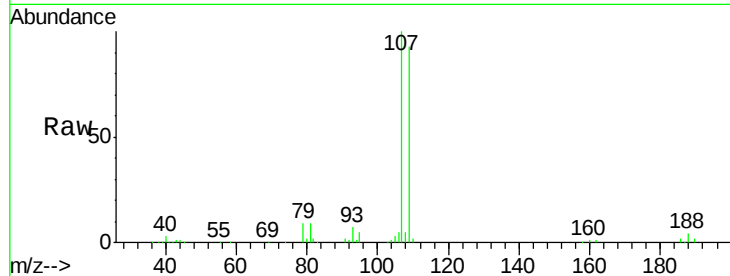
#61
 1,2-Dibromoethane
 Concen: 50.251 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 182374
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.0 112.6

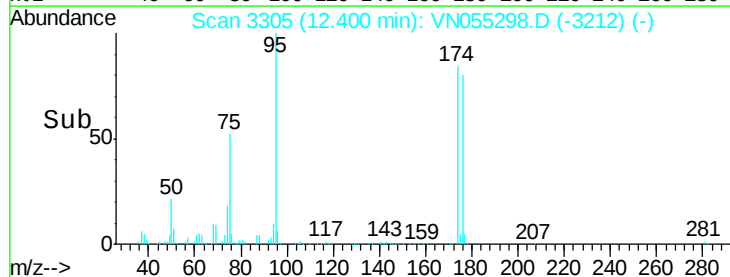
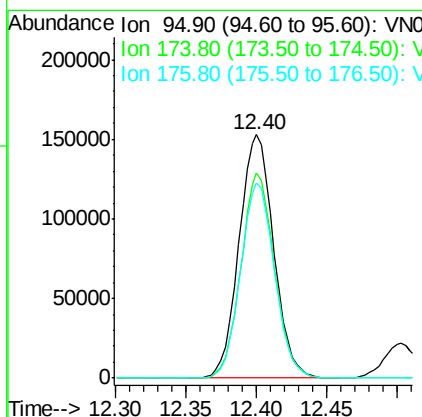
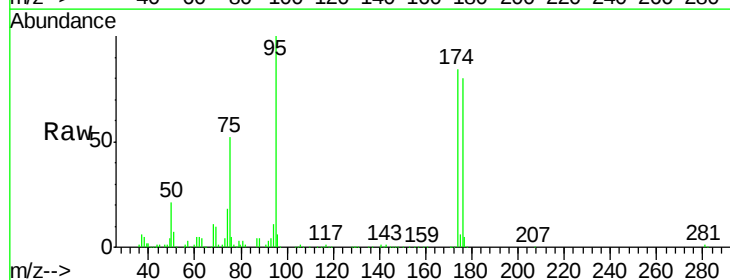
Manual Integrations
 APPROVED

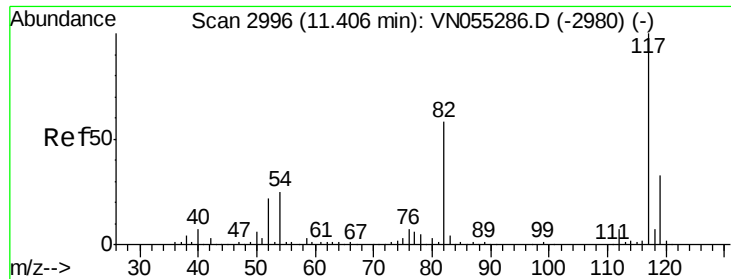
MMDadoda
 5/1/2019 3:00:14 PM



#62
 4-Bromofluorobenzene
 Concen: 54.272 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Tgt Ion: 95 Resp: 262373
 Ion Ratio Lower Upper
 95 100
 174 81.9 0.0 166.6
 176 79.2 0.0 157.8





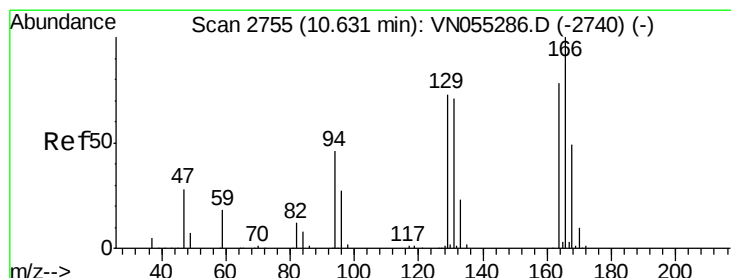
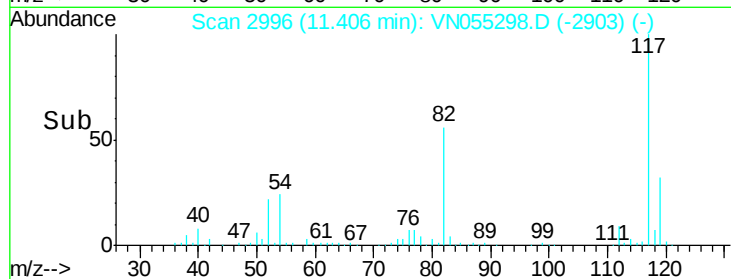
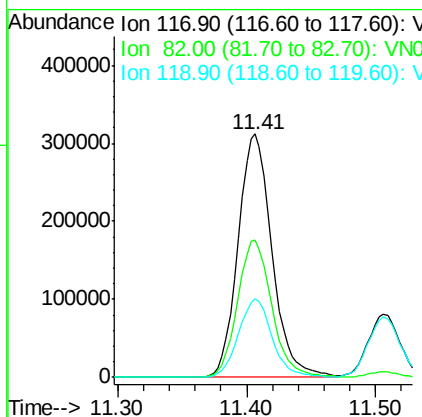
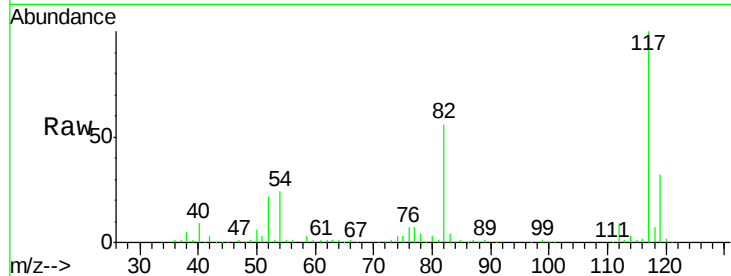
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.2	69.4
119	32.4	26.6	40.0

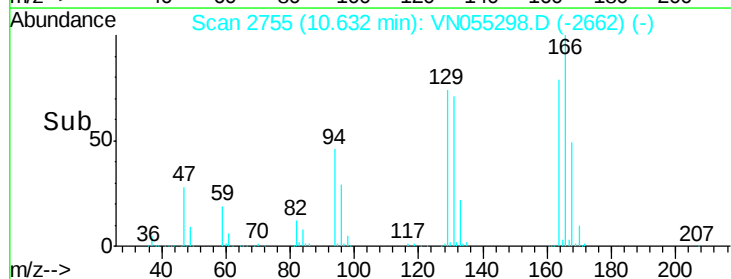
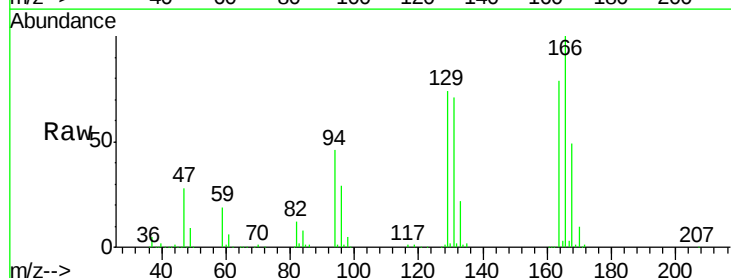
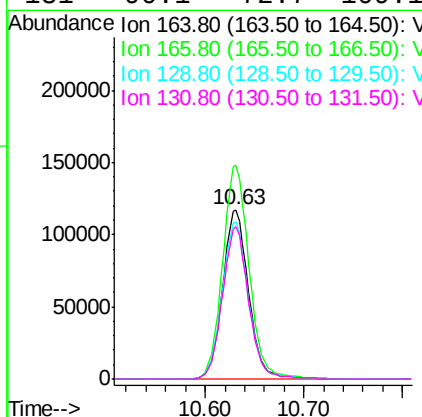
Manual Integrations
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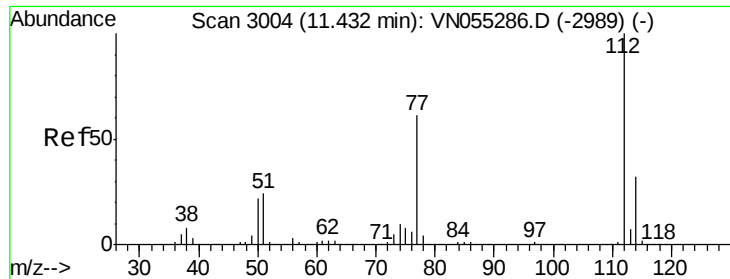
MMDadoda
5/1/2019 3:00:14 PM



#64
Tetrachloroethene
Concen: 46.234 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	102.3	153.5
129	92.8	75.0	112.6
131	90.1	72.7	109.1





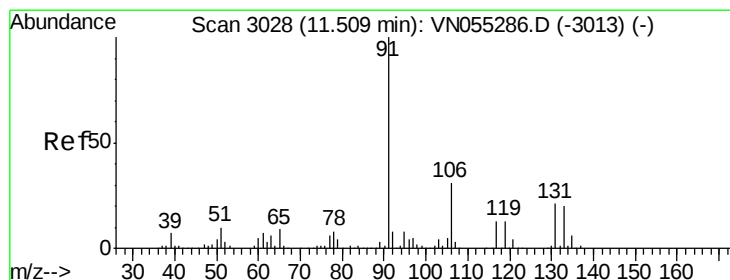
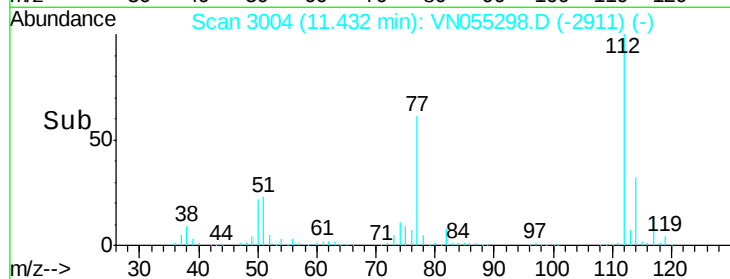
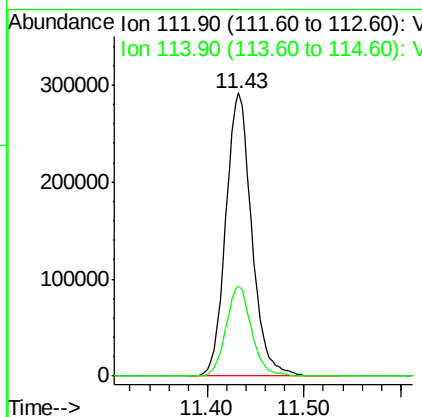
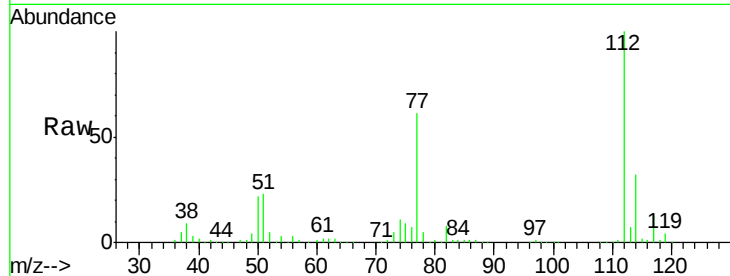
#65
Chlorobenzene
Concen: 48.415 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 541377
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9

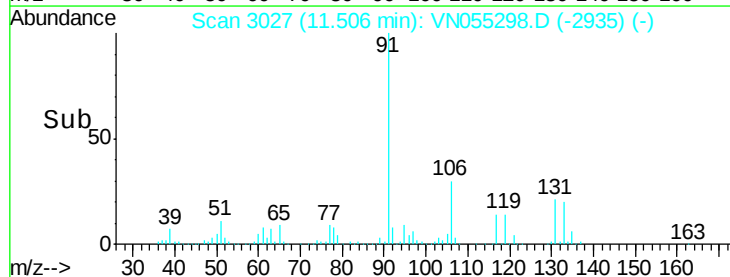
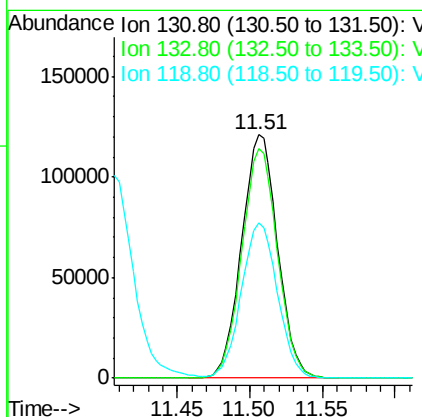
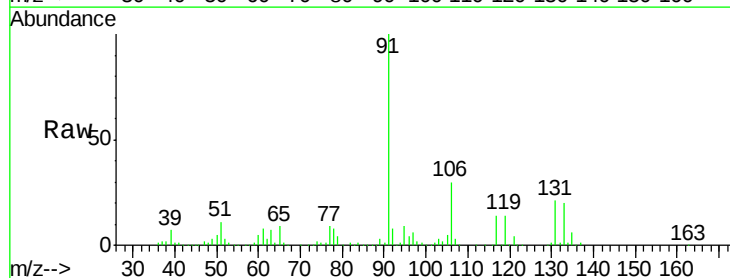
Manual Integrations
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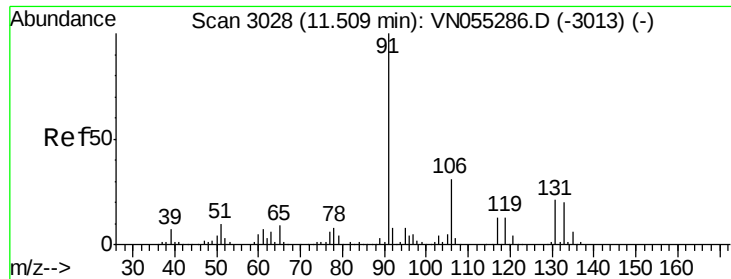
MMDadoda
5/1/2019 3:00:14 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.706 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion:131 Resp: 208883
Ion Ratio Lower Upper
131 100
133 93.6 47.5 142.6
119 64.2 32.7 98.1





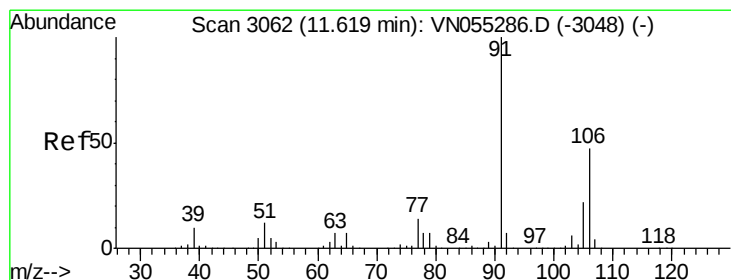
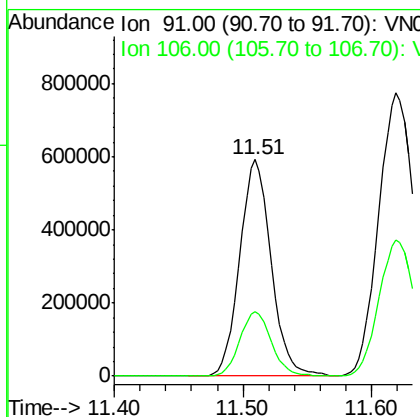
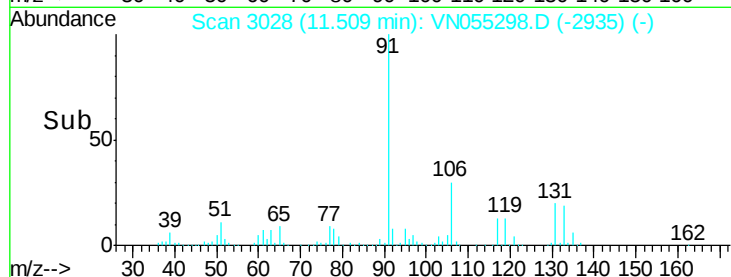
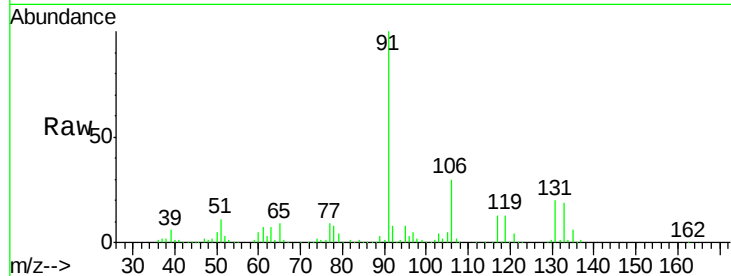
#67
Ethyl Benzene
Concen: 49.837 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1006343
Ion Ratio Lower Upper
91 100
106 30.1 24.6 36.8

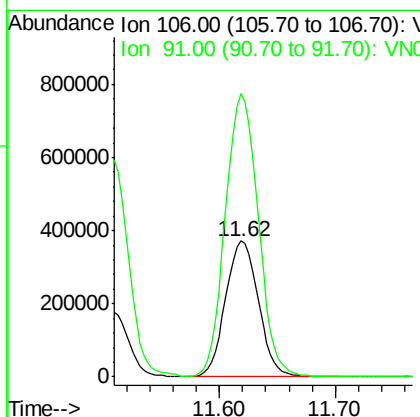
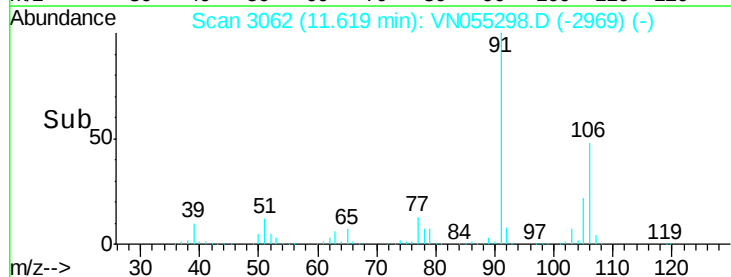
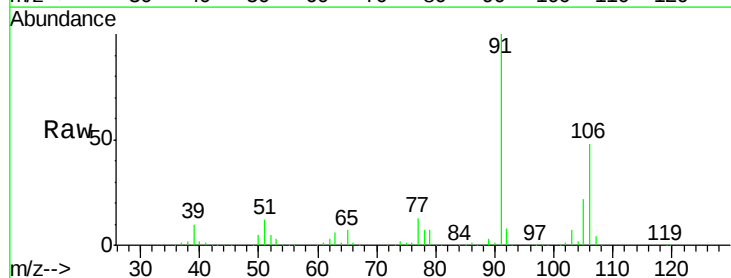
Manual Integrations
APPROVED

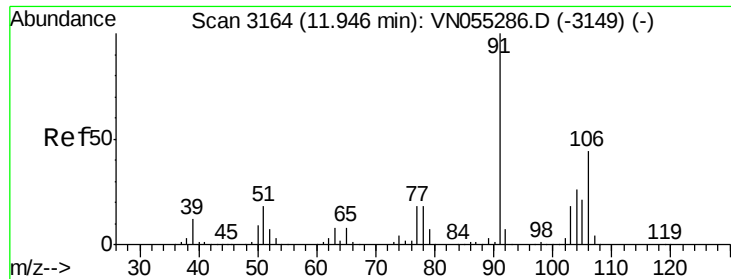
MMDadoda
5/1/2019 3:00:14 PM



#68
m/p-Xylenes
Concen: 101.086 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion: 106 Resp: 728584
Ion Ratio Lower Upper
106 100
91 209.5 169.5 254.3





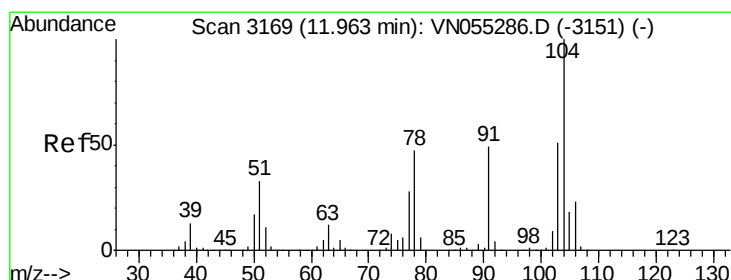
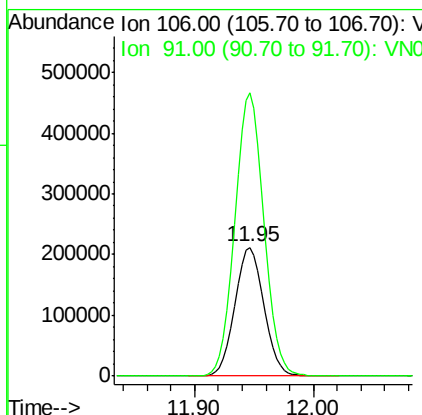
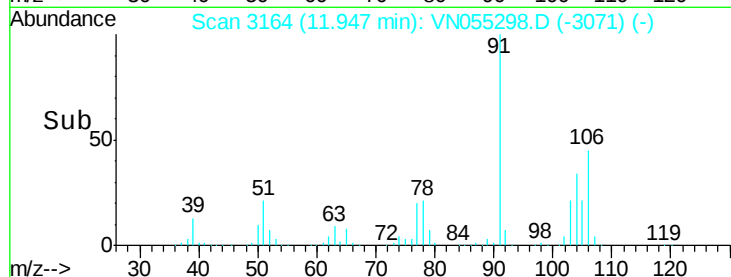
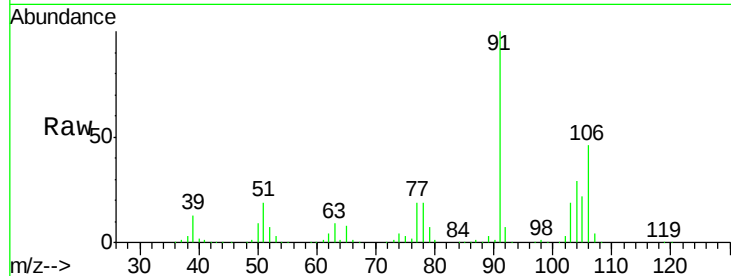
#69
o-Xylene
Concen: 50.190 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	219.1	111.5	334.5	

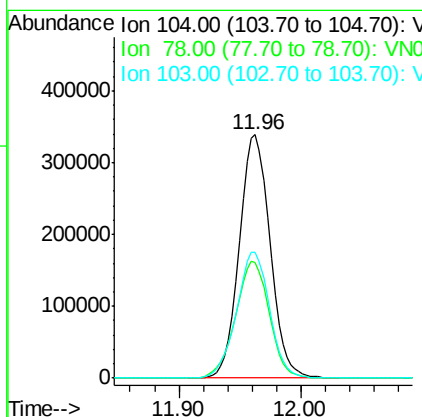
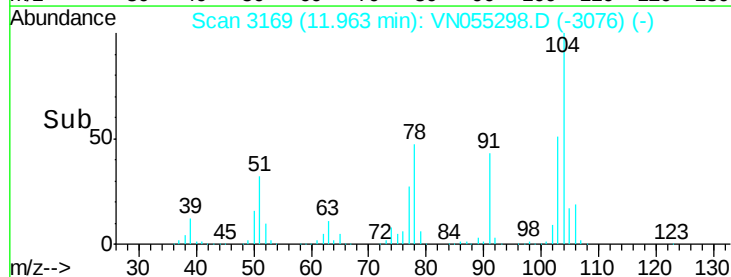
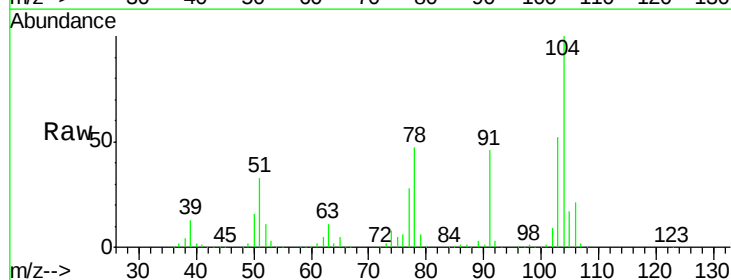
Manual Integrations
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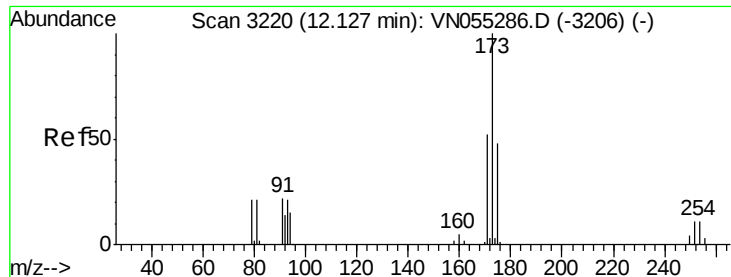
MMDadoda
5/1/2019 3:00:14 PM



#70
Styrene
Concen: 53.752 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.6	42.2	63.2	
103	55.7	44.6	67.0	





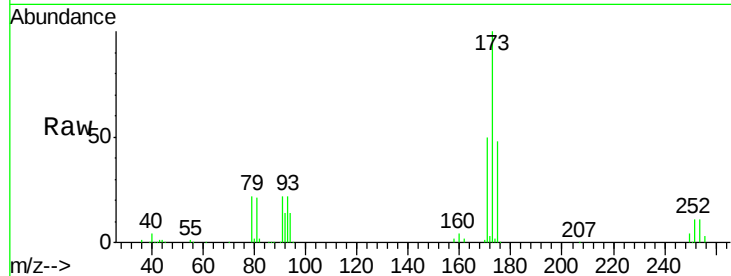
#71
Bromoform
Concen: 51.770 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

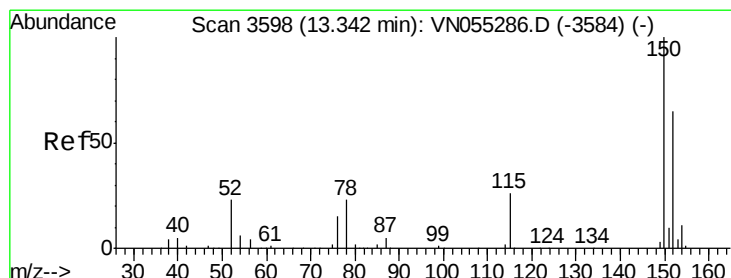
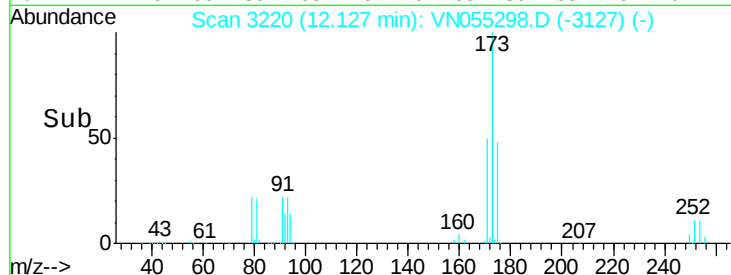
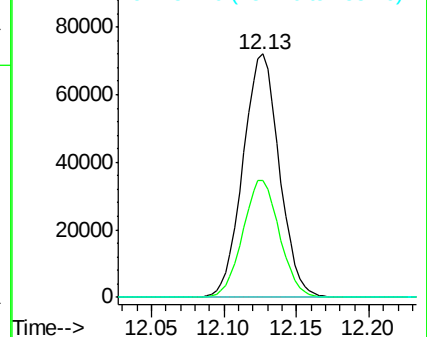
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.6	71.0
254	0.0	0.0	0.0

Manual Integrations
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5/1/2019 3:00:14 PM

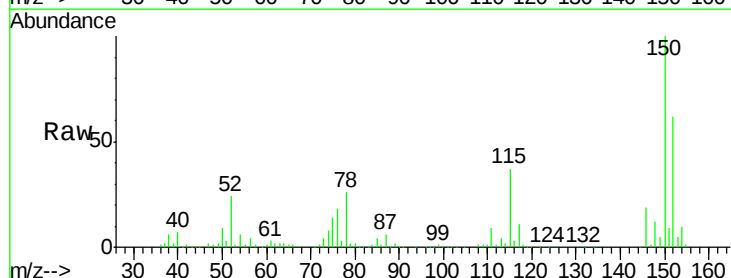


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

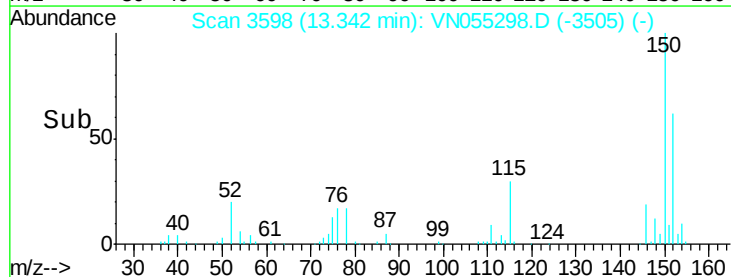
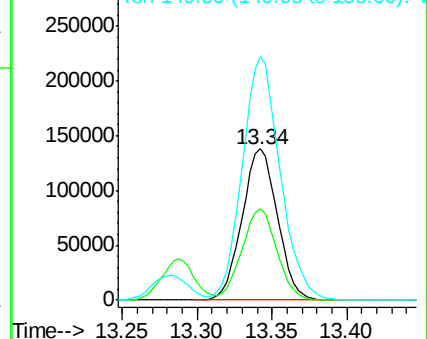


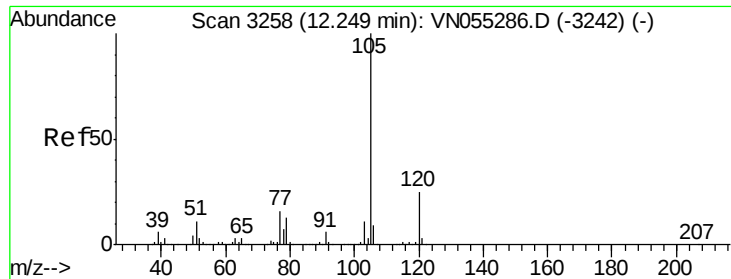
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	29.0	87.0
150	172.7	0.0	345.6



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





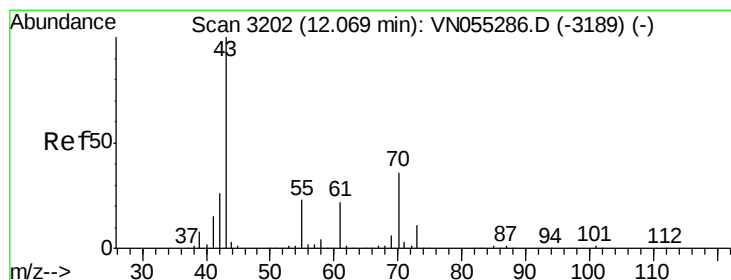
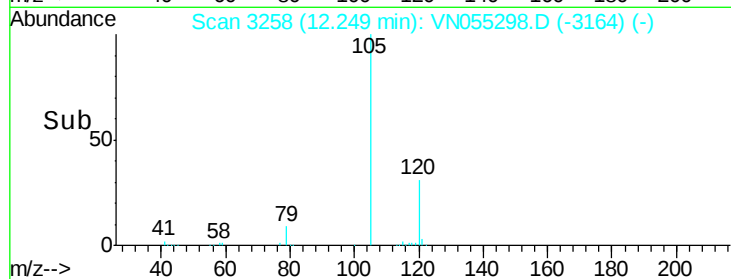
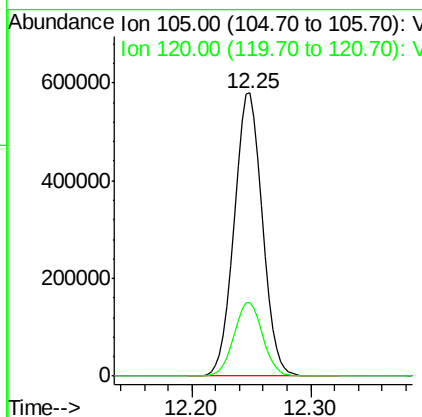
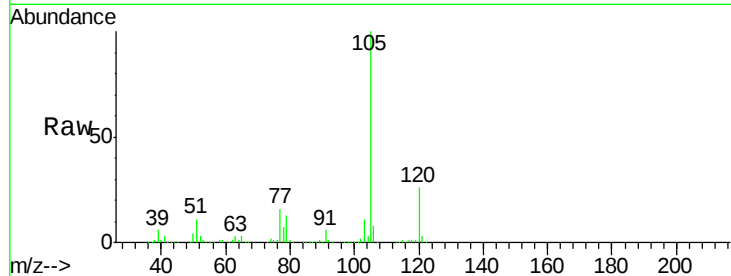
#73
Isopropylbenzene
Concen: 52.877 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	12.9	38.7

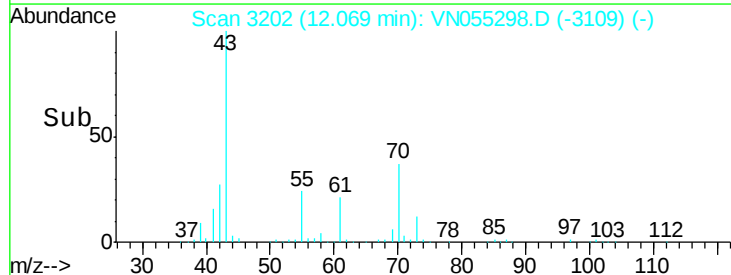
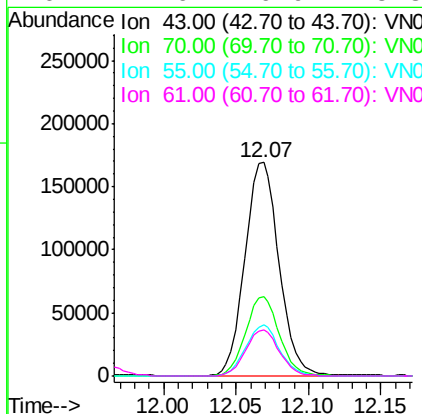
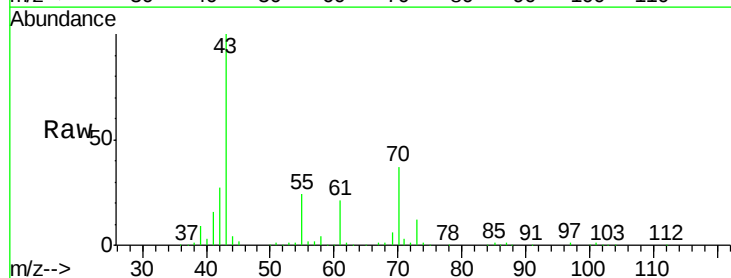
Manual Integrations
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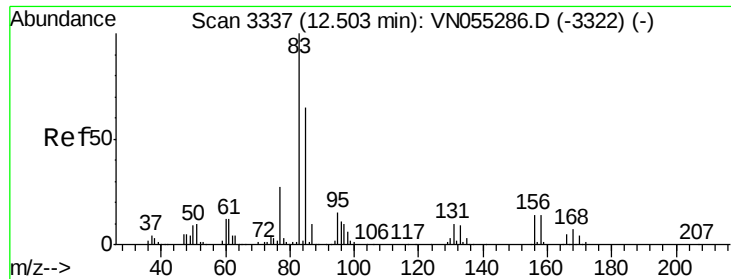
MMDadoda
5/1/2019 3:00:14 PM



#74
N-ethyl acetate
Concen: 47.492 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.8	27.9	41.9
55	23.8	18.2	27.2
61	21.6	16.9	25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.204 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Instrument :

MSVOA_N

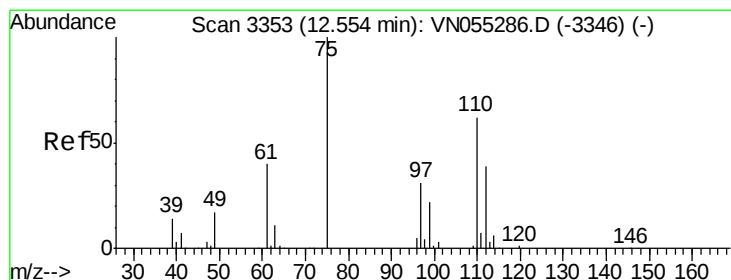
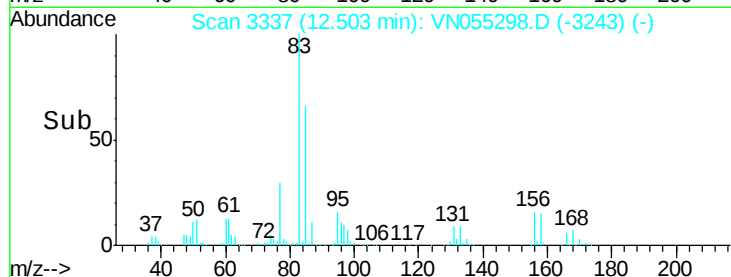
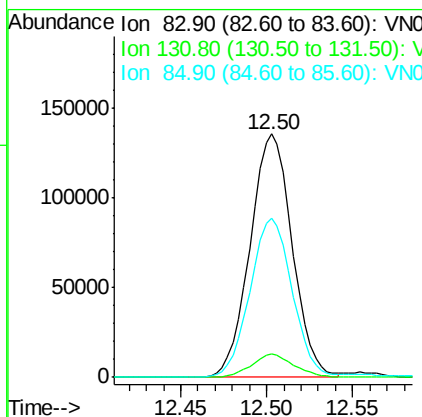
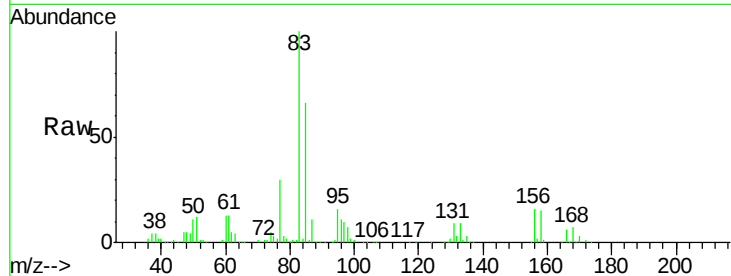
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	229600
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.1	15.2
85	66.8	32.3	96.8

Manual Integrations
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5/1/2019 3:00:14 PM



#76

1,2,3-Trichloropropane

Concen: 49.723 ug/l m

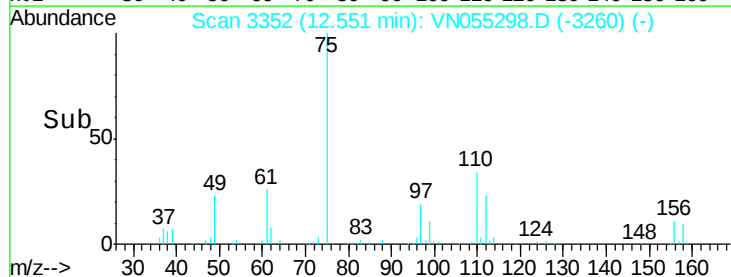
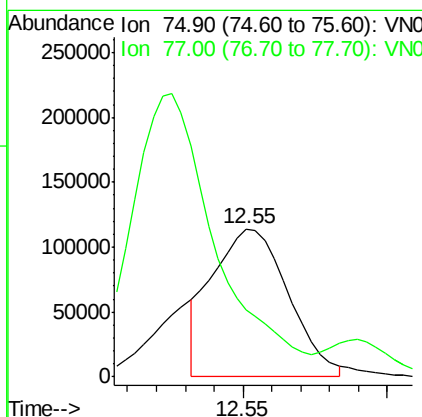
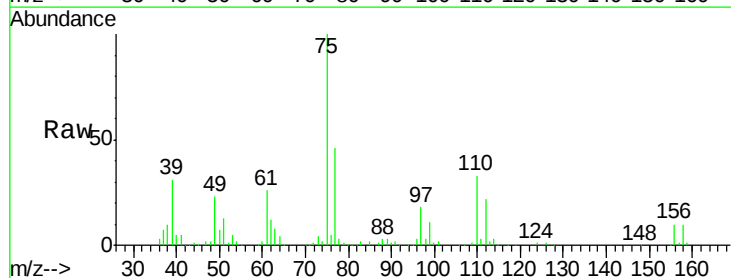
RT: 12.55 min Scan# 3352

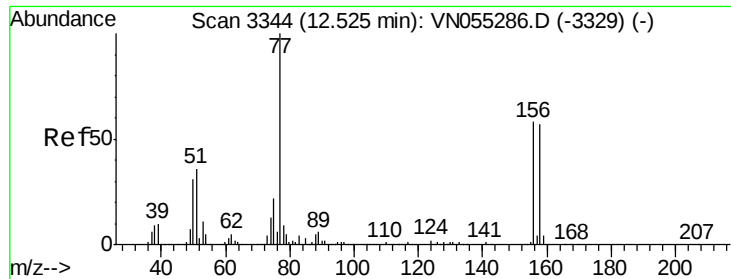
Delta R.T. -0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Tgt Ion:	75	Resp:	209535
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.656 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Instrument :

MSVOA_N

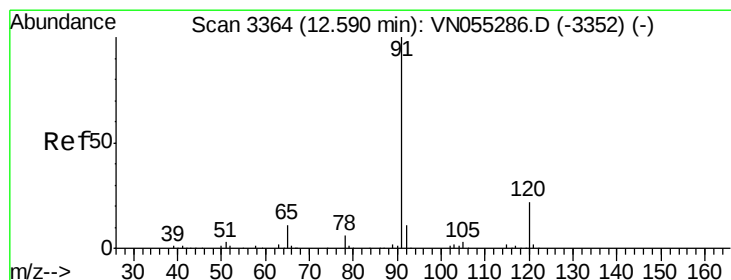
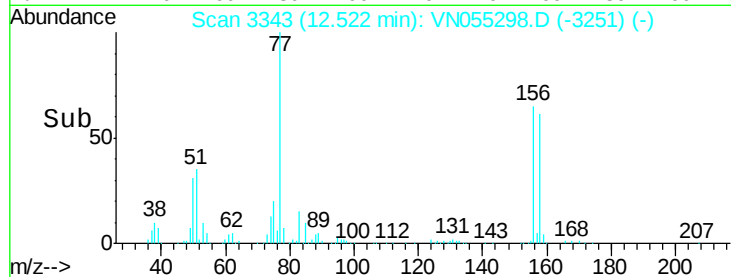
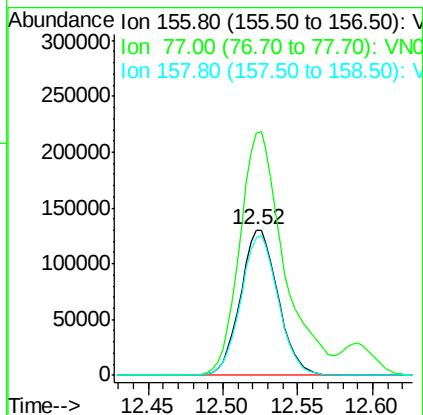
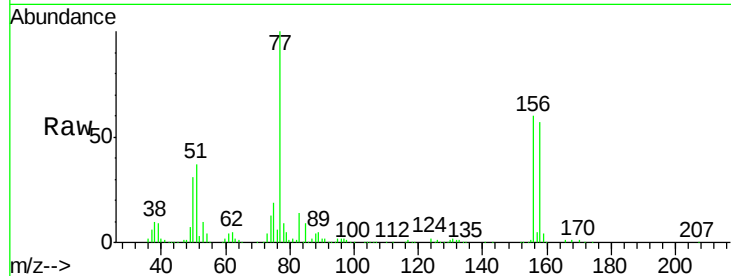
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	227157
Ion Ratio	Lower	Upper	
156	100		
77	197.6	99.6	298.8
158	96.1	49.3	147.8

Manual Integrations
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5/1/2019 3:00:14 PM



#78

n-propylbenzene

Concen: 45.904 ug/l

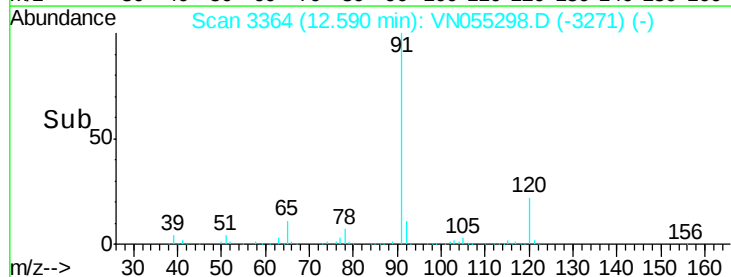
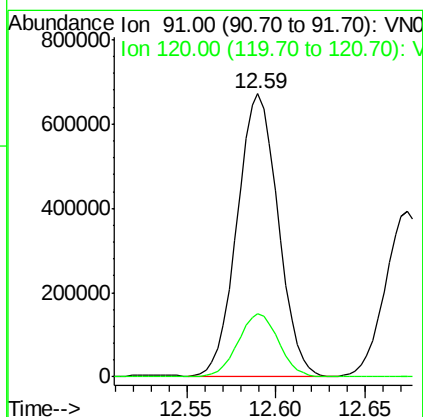
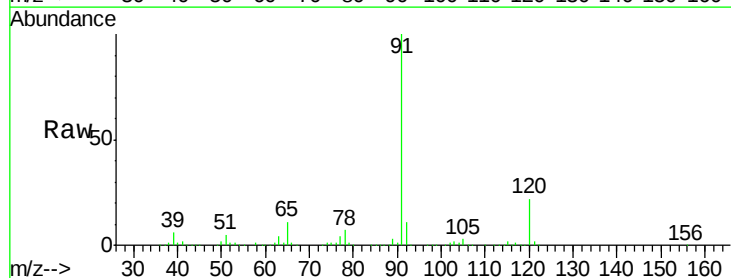
RT: 12.59 min Scan# 3364

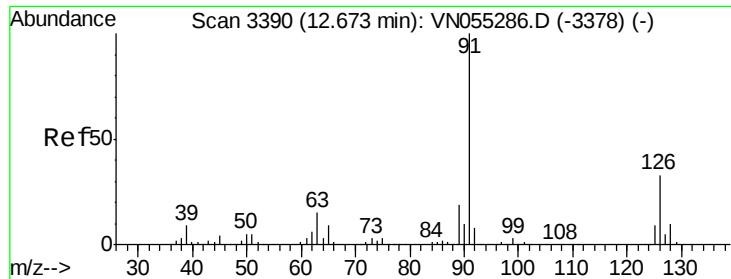
Delta R.T. 0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Tgt Ion:	91	Resp:	1068711
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.0	33.0





#79

2-Chlorotoluene

Concen: 53.050 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 649645

Ion Ratio Lower Upper

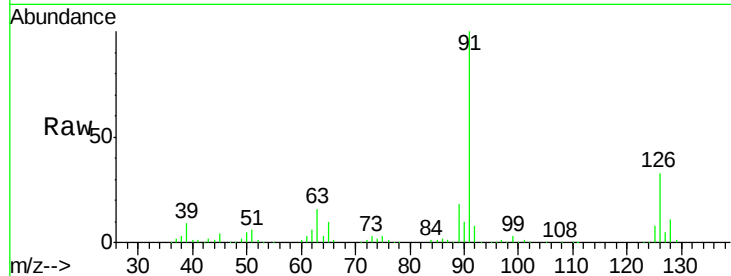
91 100

126 33.3 16.6 49.7

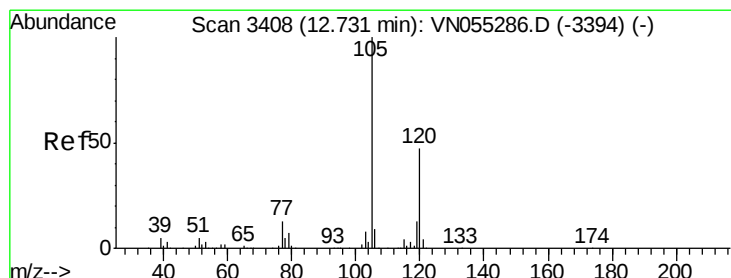
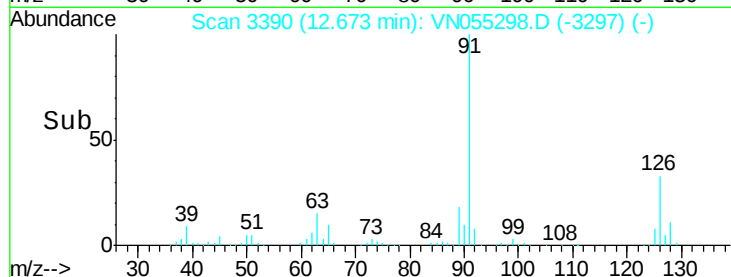
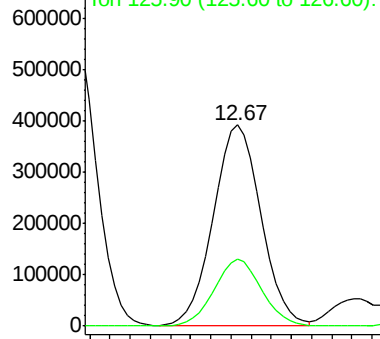
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 43.894 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055298.D

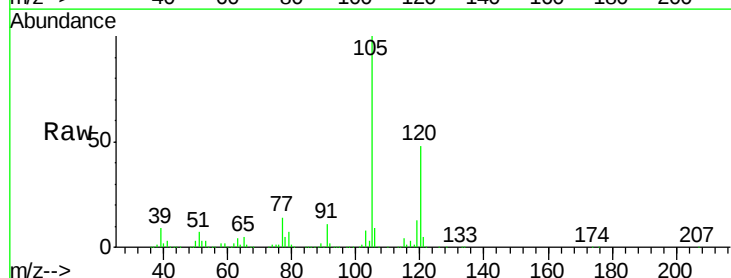
Acq: 30 Apr 2019 10:51

Tgt Ion: 105 Resp: 779937

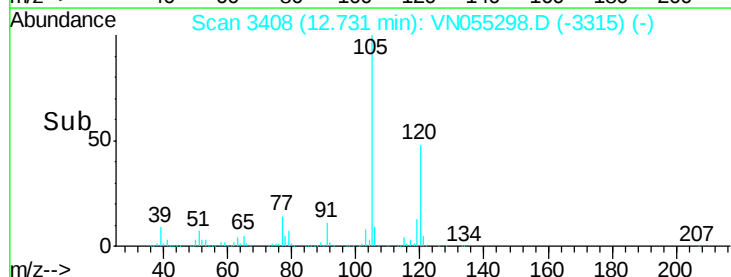
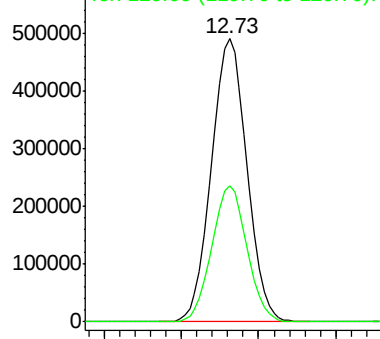
Ion Ratio Lower Upper

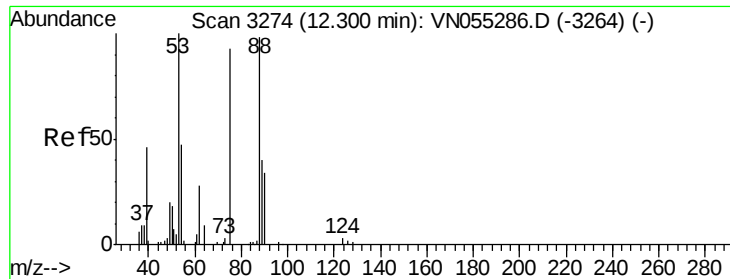
105 100

120 47.9 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055286.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.606 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Instrument :

MSVOA_N

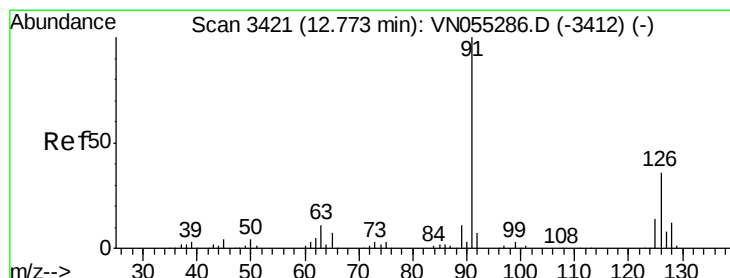
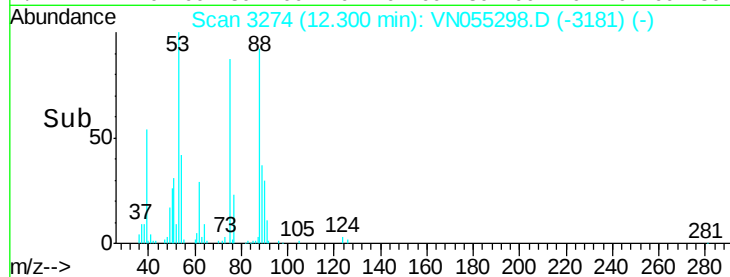
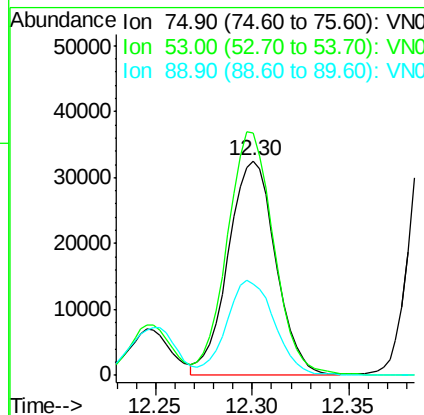
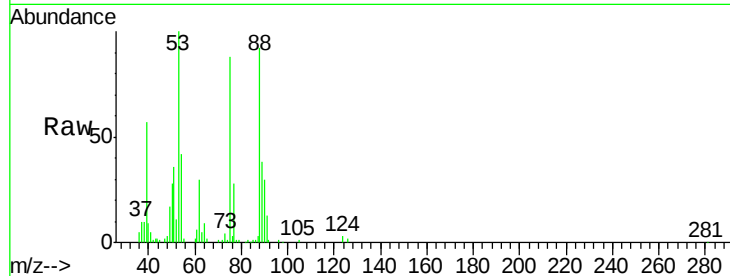
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	55741
Ion	Ratio	Lower	Upper
75	100		
53	111.5	86.3	129.5
89	44.5	34.6	51.8

Manual Integrations
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5/1/2019 3:00:14 PM



#82

4-Chlorotoluene

Concen: 46.227 ug/l

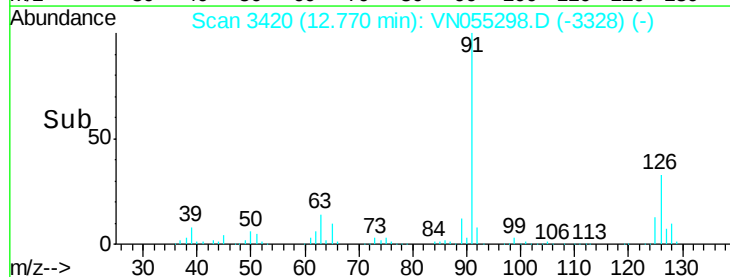
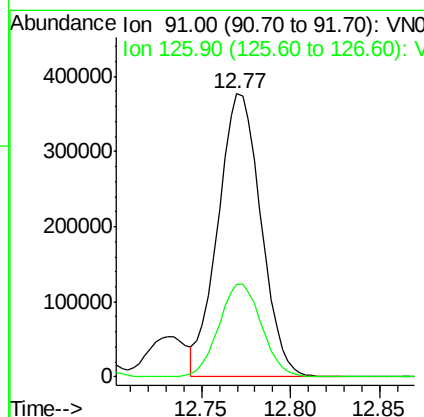
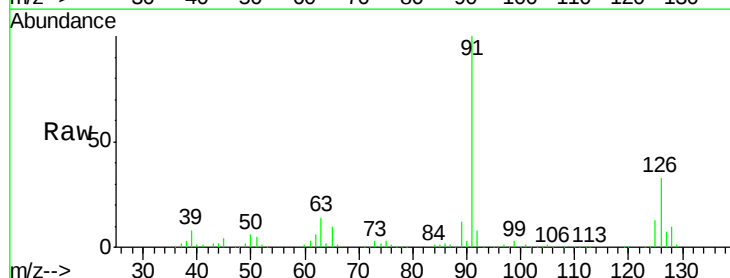
RT: 12.77 min Scan# 3420

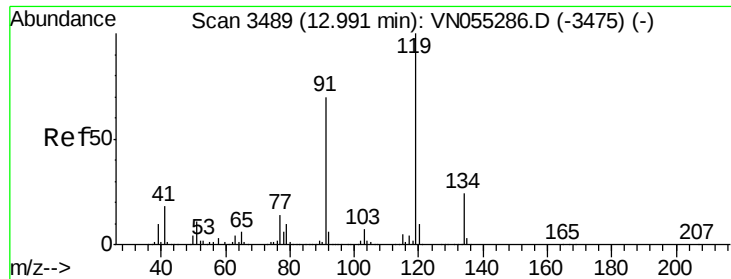
Delta R.T. -0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Tgt Ion:	91	Resp:	625762
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.6	49.7





#83

tert-Butylbenzene

Concen: 52.811 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Instrument :

MSVOA_N

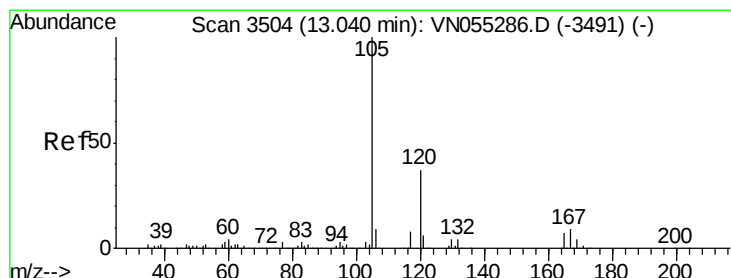
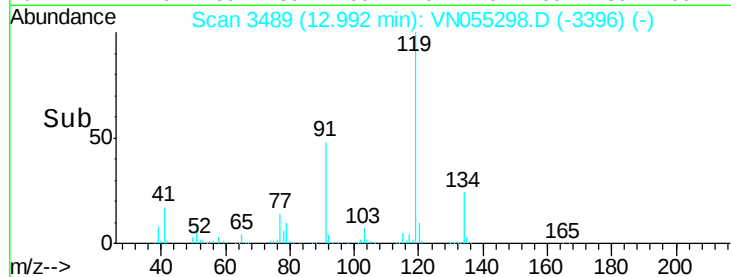
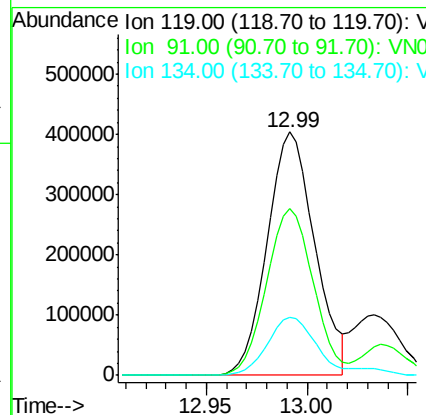
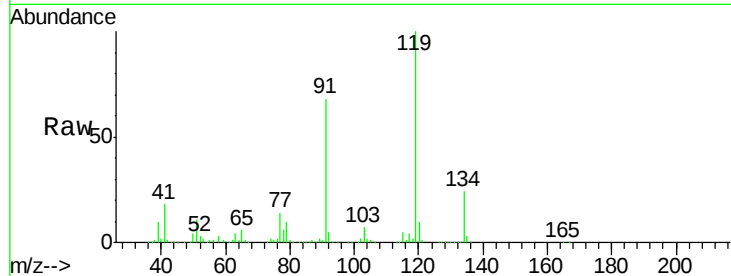
ClientSampled :

VSTDCCC050

Tot Ion:	119	Resp:	662140
Ion Ratio	Lower	Upper	
119	100		
91	67.6	34.3	102.9
134	24.1	13.1	39.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 47.752 ug/l

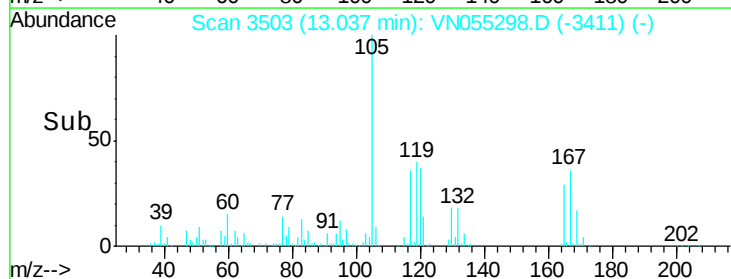
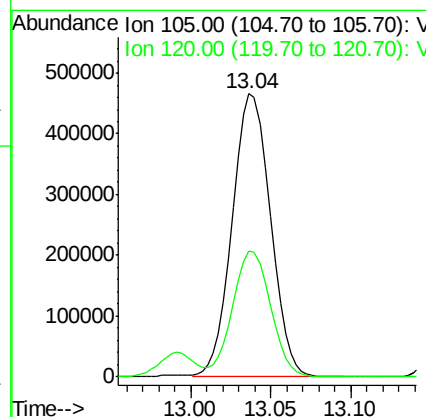
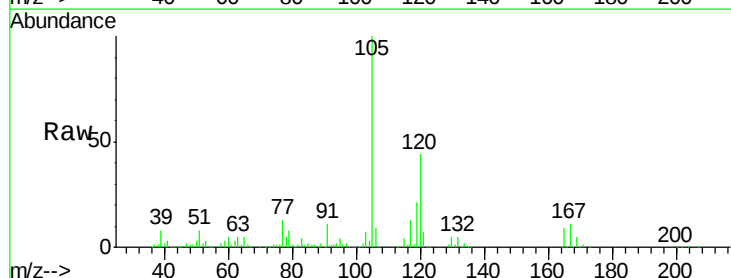
RT: 13.04 min Scan# 3503

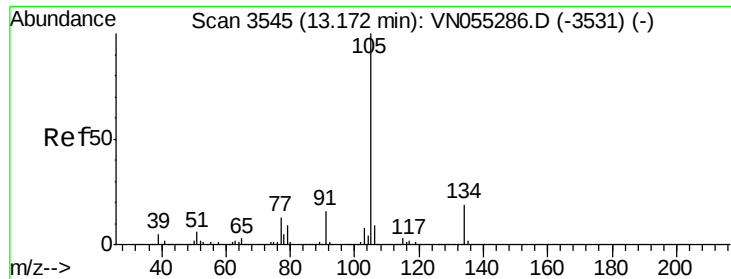
Delta R.T. -0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Tgt Ion:	105	Resp:	758836
Ion Ratio	Lower	Upper	
105	100		
120	44.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 45.103 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 871074

Ion Ratio Lower Upper

105 100

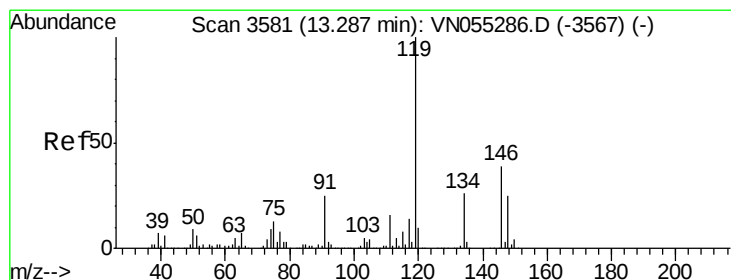
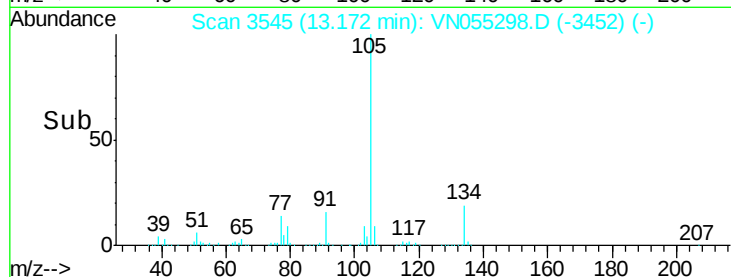
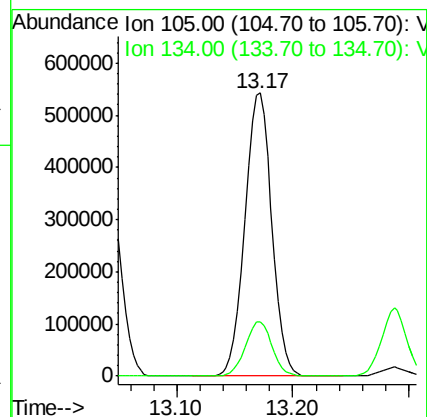
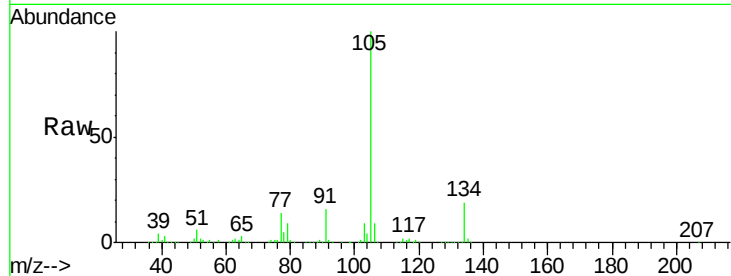
134 19.1 9.6 28.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.235 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

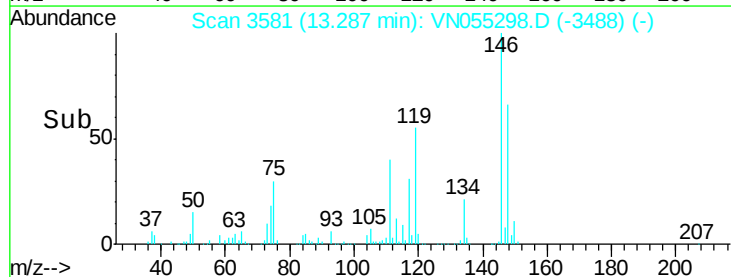
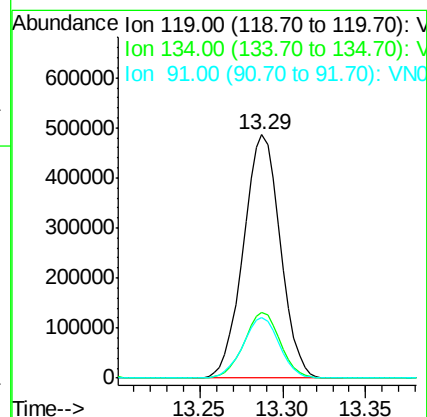
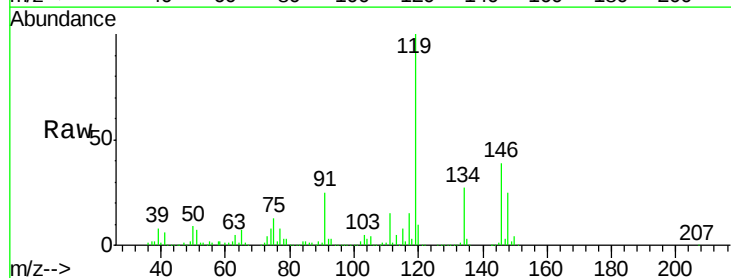
Tgt Ion:119 Resp: 749784

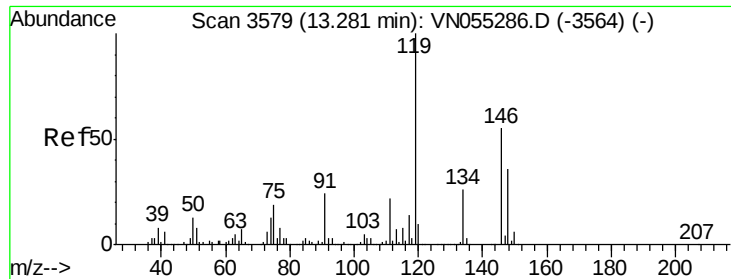
Ion Ratio Lower Upper

119 100

134 26.6 13.0 38.9

91 24.6 12.2 36.6





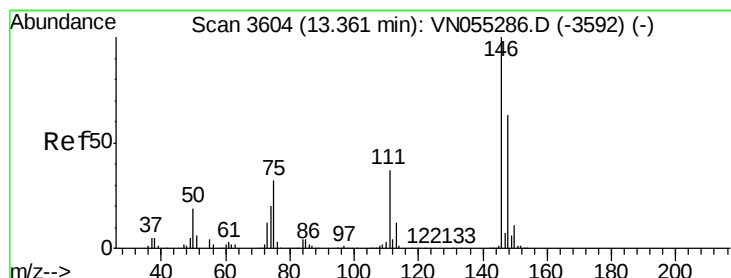
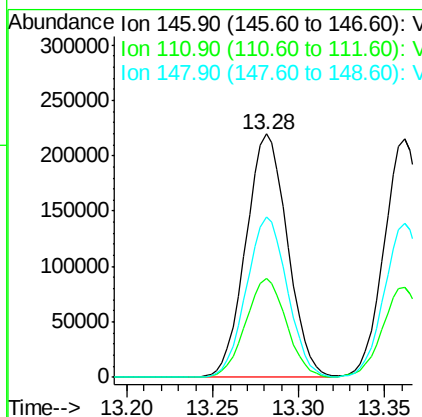
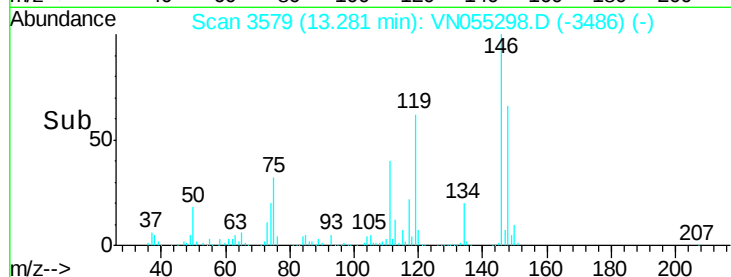
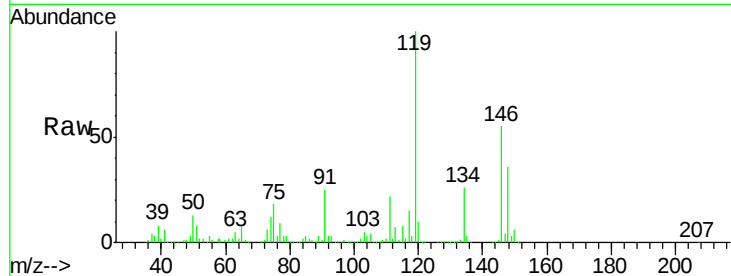
#87
 1,3-Dichlorobenzene
 Concen: 48.675 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	369168		
111	39.8	20.3	60.8	
148	64.6	32.5	97.5	

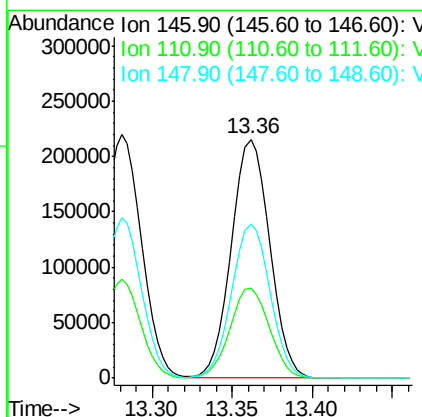
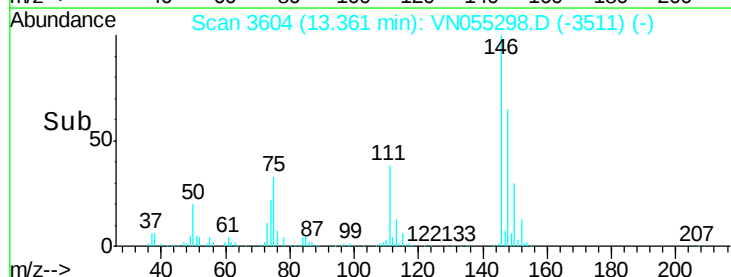
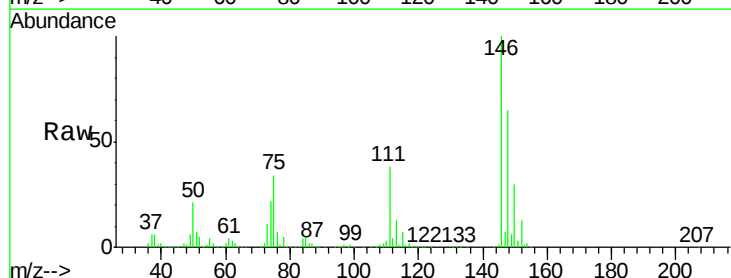
Manual Integrations
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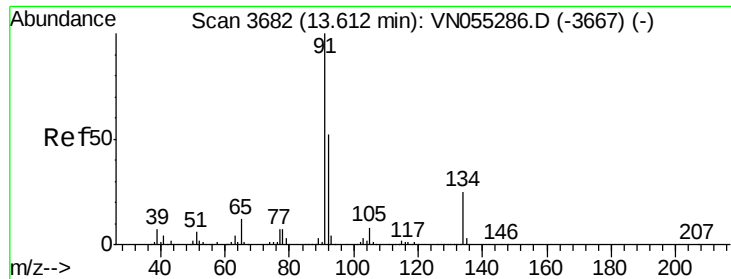
MMDadoda
 5/1/2019 3:00:14 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.176 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	351230		
111	38.8	19.5	58.5	
148	64.9	32.5	97.4	





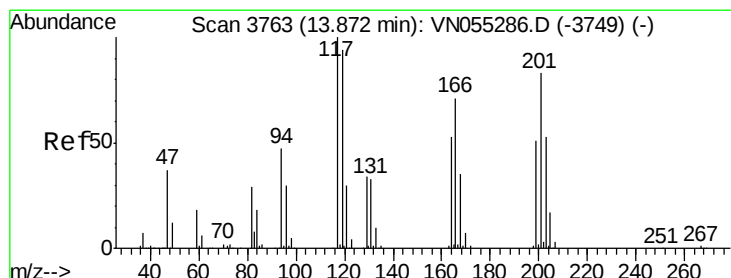
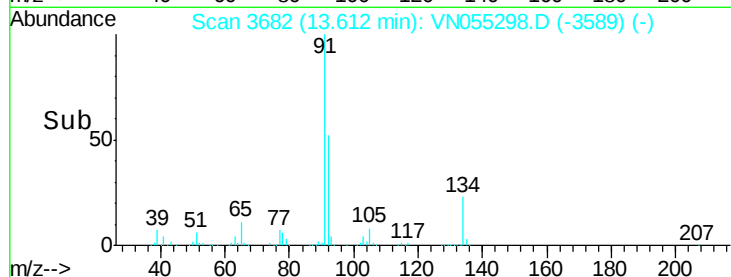
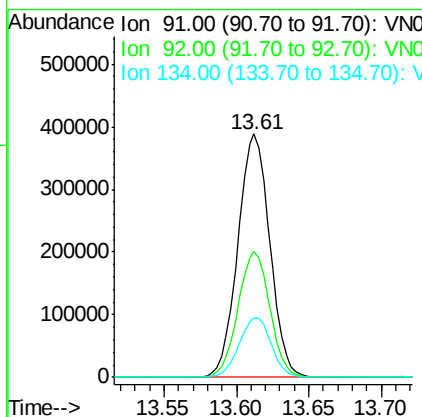
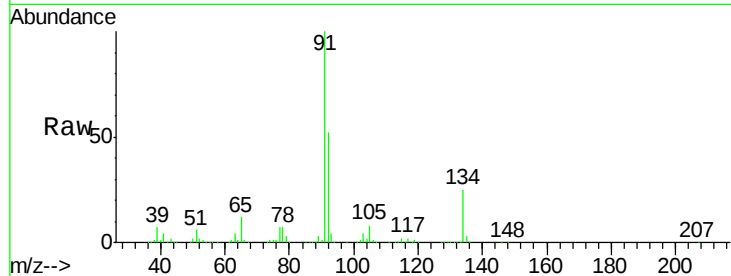
#89
n-Butylbenzene
Concen: 52.646 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.3
134	24.8	12.4	37.4

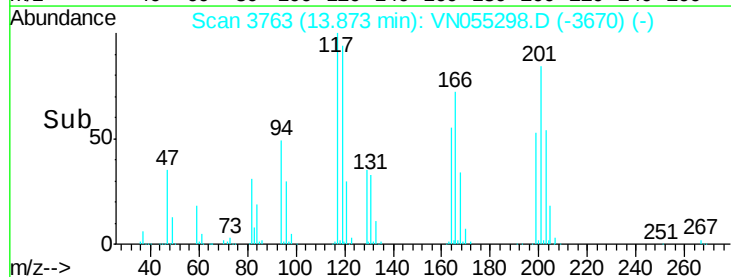
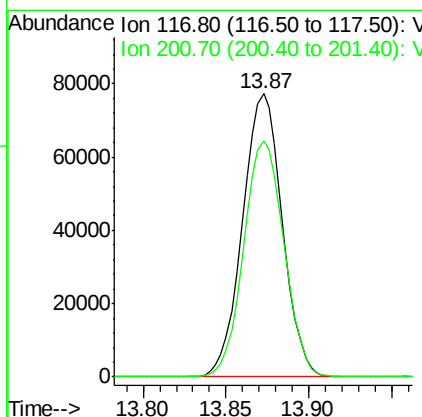
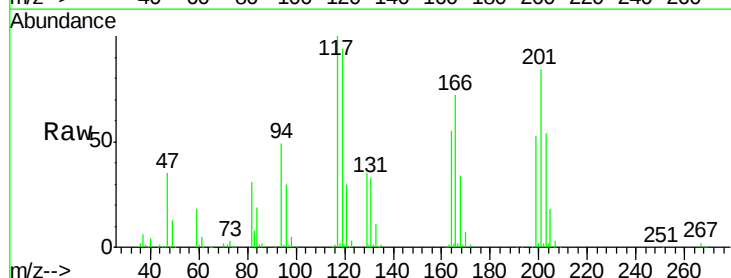
Manual Integrations
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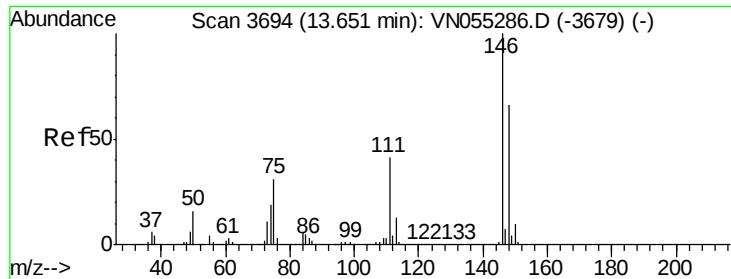
MMDadoda
5/1/2019 3:00:14 PM



#90
Hexachloroethane
Concen: 51.253 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055298.D
Acq: 30 Apr 2019 10:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.7	41.9	125.8





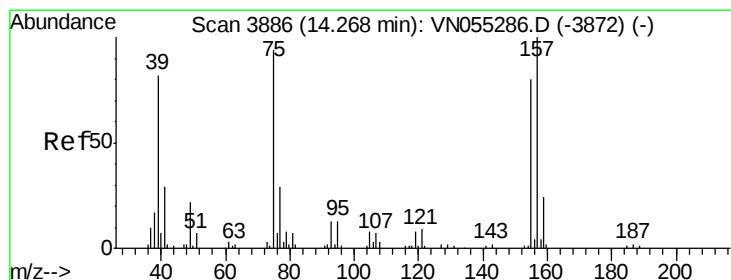
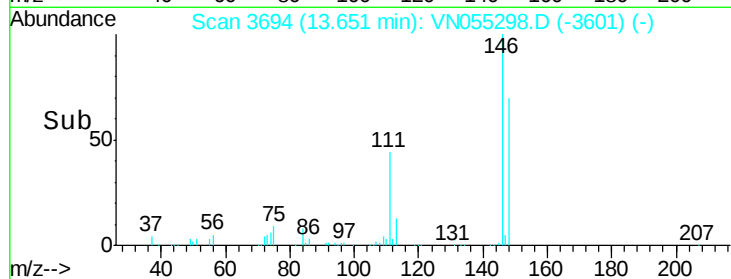
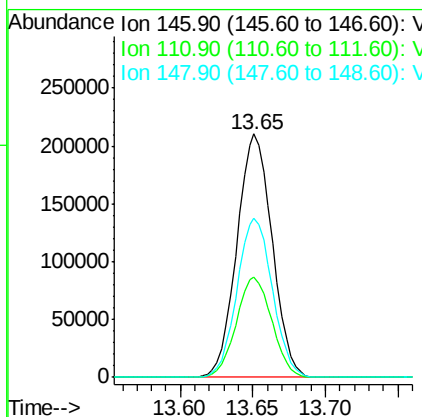
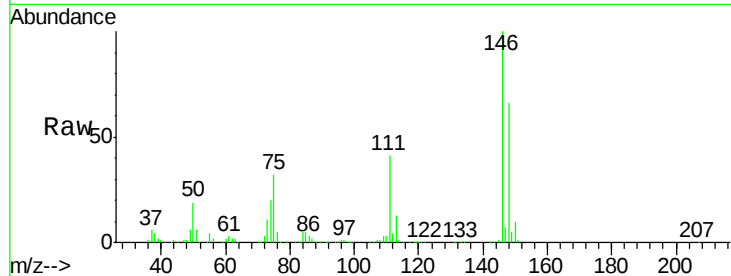
#91
 1,2-Dichlorobenzene
 Concen: 47.224 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	61.0
148	65.8	32.4	97.2

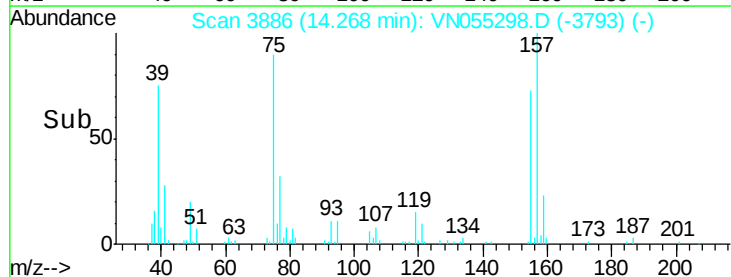
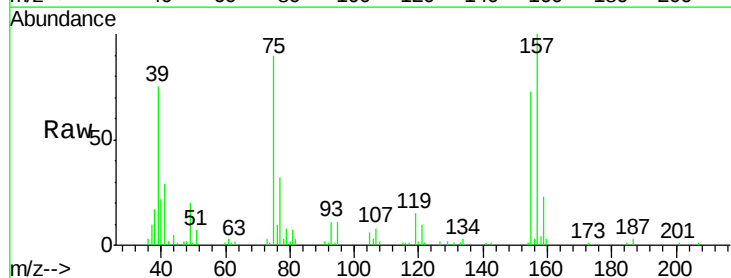
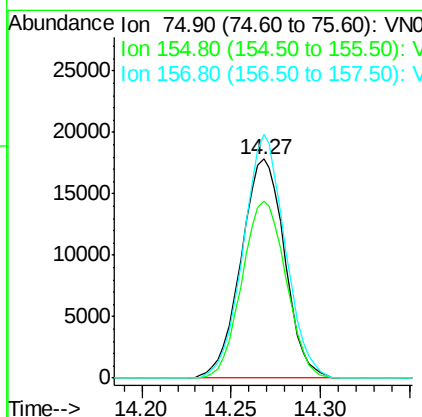
Manual Integrations
 APPROVED

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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.157 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	41.5	124.6
157	106.9	54.0	162.2





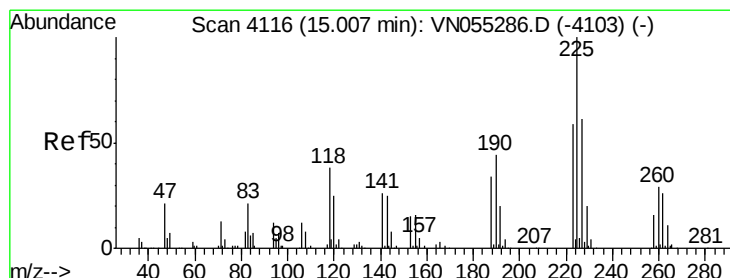
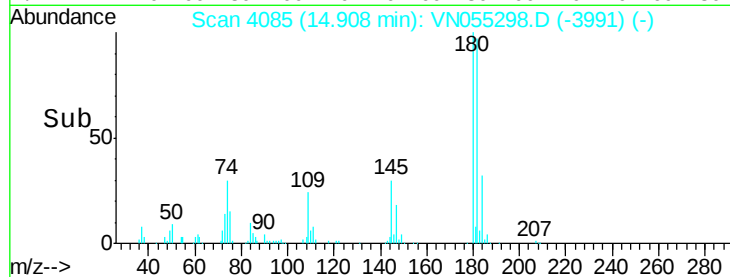
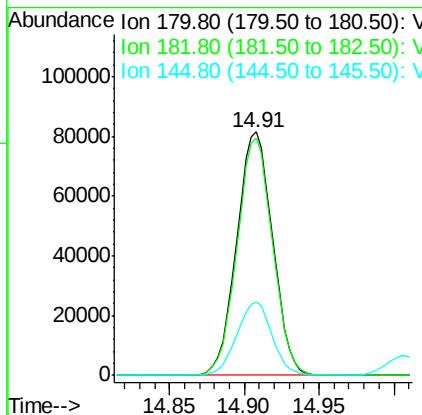
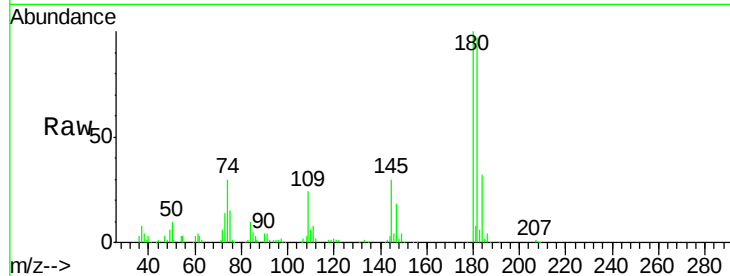
#93
 1,2,4-Trichlorobenzene
 Concen: 46.069 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	135696		
182	96.6	48.3	144.9	
145	29.6	14.2	42.6	

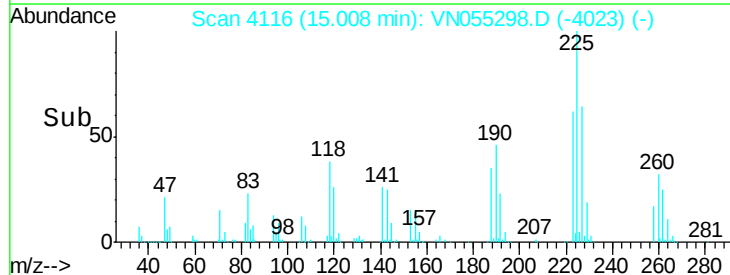
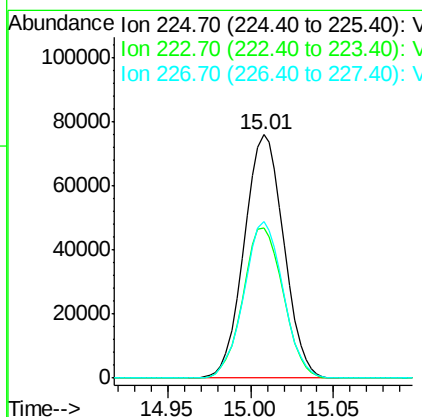
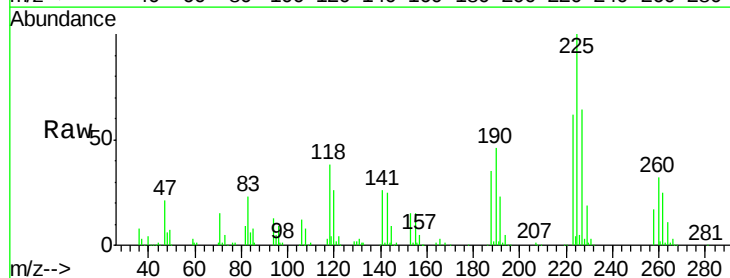
Manual Integrations
 APPROVED

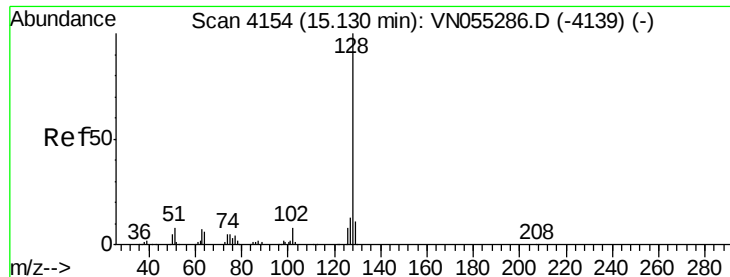
MMDadoda
 5/1/2019 3:00:14 PM



#94
 Hexachlorobutadiene
 Concen: 56.389 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055298.D
 Acq: 30 Apr 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126739		
223	62.6	30.3	90.8	
227	63.8	30.9	92.7	





#95

Naphthalene

Concen: 42.699 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Instrument :

MSVOA_N

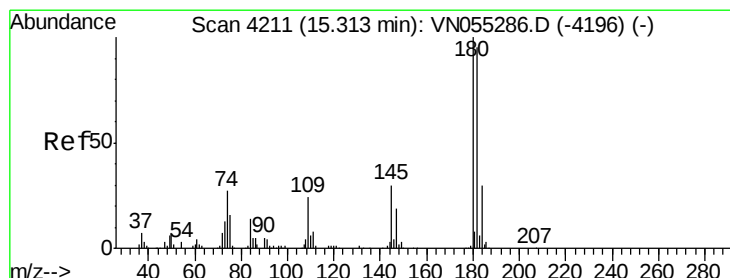
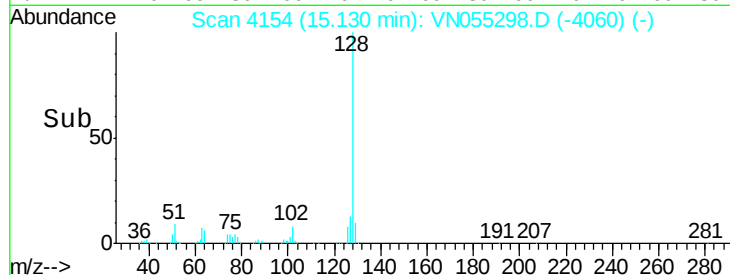
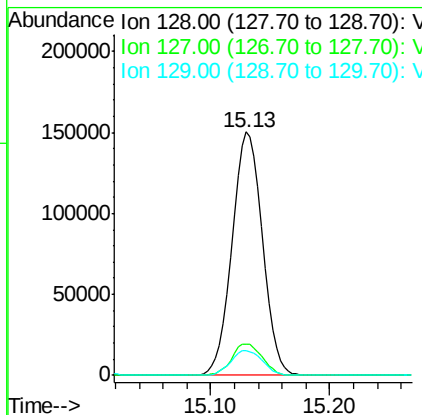
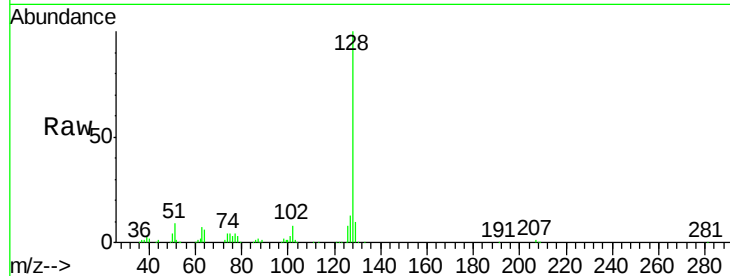
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	265718
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.7	16.1
129	10.6	8.6	13.0

Manual Integrations
APPROVED

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5/1/2019 3:00:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 46.797 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055298.D

Acq: 30 Apr 2019 10:51

Tgt Ion:	180	Resp:	136059
Ion Ratio	Lower	Upper	
180	100		
182	97.1	48.3	144.9
145	31.9	15.2	45.6

