

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092519\
 Data File : VN058350.D
 Acq On : 25 Sep 2019 8:43
 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
 9/26/2019 12:59:57 PM

Quant Time: Sep 26 01:30:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	472195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	788755	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	716634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	346191	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	313138	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
35) Dibromofluoromethane	7.57	113	228226	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
50) Toluene-d8	10.09	98	884999	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
62) 4-Bromofluorobenzene	12.40	95	322157	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	161383	41.604	ug/l	98
3) Chloromethane	2.04	50	134928	45.024	ug/l	98
4) Vinyl Chloride	2.17	62	150614	45.993	ug/l	98
5) Bromomethane	2.55	94	82944	47.953	ug/l	97
6) Chloroethane	2.69	64	100984	48.152	ug/l	96
7) Trichlorofluoromethane	3.00	101	235142	44.412	ug/l	98
8) Diethyl Ether	3.39	74	114567	47.225	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	180770	47.355	ug/l	99
10) Methyl Iodide	3.93	142	147432	46.091	ug/l	99
11) Tert butyl alcohol	4.75	59	192219	245.704	ug/l	100
12) 1,1-Dichloroethene	3.72	96	140366	48.442	ug/l	99
13) Acrolein	3.59	56	16364	141.146	ug/l	98
14) Allyl chloride	4.30	41	298241	47.746	ug/l	98
15) Acrylonitrile	4.96	53	527751	253.200	ug/l	100
16) Acetone	3.79	43	657357	294.460	ug/l	98
17) Carbon Disulfide	4.03	76	182035	44.670	ug/l	96
18) Methyl Acetate	4.30	43	280526	47.755	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	730951	50.768	ug/l	99
20) Methylene Chloride	4.53	84	194296	49.710	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	155417	49.227	ug/l	100
22) Diisopropyl ether	5.93	45	809841	51.039	ug/l	99
23) Vinyl Acetate	5.87	43	2884150	265.642	ug/l	100
24) 1,1-Dichloroethane	5.82	63	417645	49.316	ug/l	100
25) 2-Butanone	6.81	43	827460	272.066	ug/l	99
26) 2,2-Dichloropropane	6.80	77	360105	50.122	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	232793	48.615	ug/l	98
28) Bromochloromethane	7.18	49	204828	51.128	ug/l #	98
29) Tetrahydrofuran	7.19	42	447576	238.909	ug/l	100
30) Chloroform	7.35	83	452379	49.626	ug/l	99
31) Cyclohexane	7.63	56	261914	47.736	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	356948	51.436	ug/l	99
36) 1,1-Dichloropropene	7.78	75	258015	45.361	ug/l	100
37) Ethyl Acetate	6.91	43	295735	50.099	ug/l	99
38) Carbon Tetrachloride	7.76	117	284968	49.839	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	262067	47.655	ug/l	97
40) Benzene	8.02	78	835986	48.119	ug/l	99
41) Methacrylonitrile	7.15	41	145245	48.863	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	360095	49.396	ug/l	100
43) Isopropyl Acetate	8.15	43	525514	47.668	ug/l	99
44) Trichloroethene	8.82	130	206124	48.483	ug/l	99
45) 1,2-Dichloropropane	9.11	63	266490	51.363	ug/l	99
46) Dibromomethane	9.20	93	158365	50.204	ug/l	97
47) Bromodichloromethane	9.39	83	356156	53.894	ug/l	96
48) Methyl methacrylate	9.19	41	254539	50.851	ug/l	99
49) 1,4-Dioxane	9.19	88	85451	1039.775	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1626839	277.821	ug/l	99
52) Toluene	10.15	92	529189	48.603	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	370899	54.791	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	402009	53.789	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	251929	52.139	ug/l	99
56) Ethyl methacrylate	10.43	69	368169	52.810	ug/l	99
57) 1,3-Dichloropropane	10.70	76	426348	51.327	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	885396	266.626	ug/l	99
59) 2-Hexanone	10.75	43	1238014	284.668	ug/l	99
60) Dibromochloromethane	10.90	129	264984	57.004	ug/l	99
61) 1,2-Dibromoethane	11.00	107	229212	51.188	ug/l	99
64) Tetrachloroethene	10.63	164	164383	47.055	ug/l	99
65) Chlorobenzene	11.43	112	622977	49.423	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	248331	54.332	ug/l	99
67) Ethyl Benzene	11.51	91	1119241	51.820	ug/l	100
68) m/p-Xylenes	11.62	106	819048	100.685	ug/l	98
69) o-Xylene	11.95	106	402000	50.258	ug/l	99
70) Styrene	11.97	104	726492	52.714	ug/l	99
71) Bromoform	12.13	173	163475	48.368	ug/l #	98
73) Isopropylbenzene	12.25	105	1170861	54.033	ug/l	99
74) N-amyl acetate	12.07	43	490968	54.160	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	380870	52.486	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	324524m	52.379	ug/l	
77) Bromobenzene	12.53	156	268637	49.284	ug/l	98
78) n-propylbenzene	12.60	91	1390943	56.487	ug/l	99
79) 2-Chlorotoluene	12.68	91	818168	53.165	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1012021	55.229	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	105132	50.444	ug/l	97
82) 4-Chlorotoluene	12.78	91	868463	53.686	ug/l	100
83) tert-Butylbenzene	13.00	119	893327	54.668	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	1035039	56.760	ug/l	98
85) sec-Butylbenzene	13.18	105	1210767	56.661	ug/l	100
86) p-Isopropyltoluene	13.29	119	1097944	57.796	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	524846	52.718	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	529904	52.136	ug/l	99
89) n-Butylbenzene	13.62	91	1030229	57.201	ug/l	99
90) Hexachloroethane	13.88	117	179078	53.545	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	528151	52.885	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	69521	53.215	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	338173	52.999	ug/l	99
94) Hexachlorobutadiene	15.02	225	168021	54.481	ug/l	97
95) Naphthalene	15.13	128	884111	53.465	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	318758	52.854	ug/l	100

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

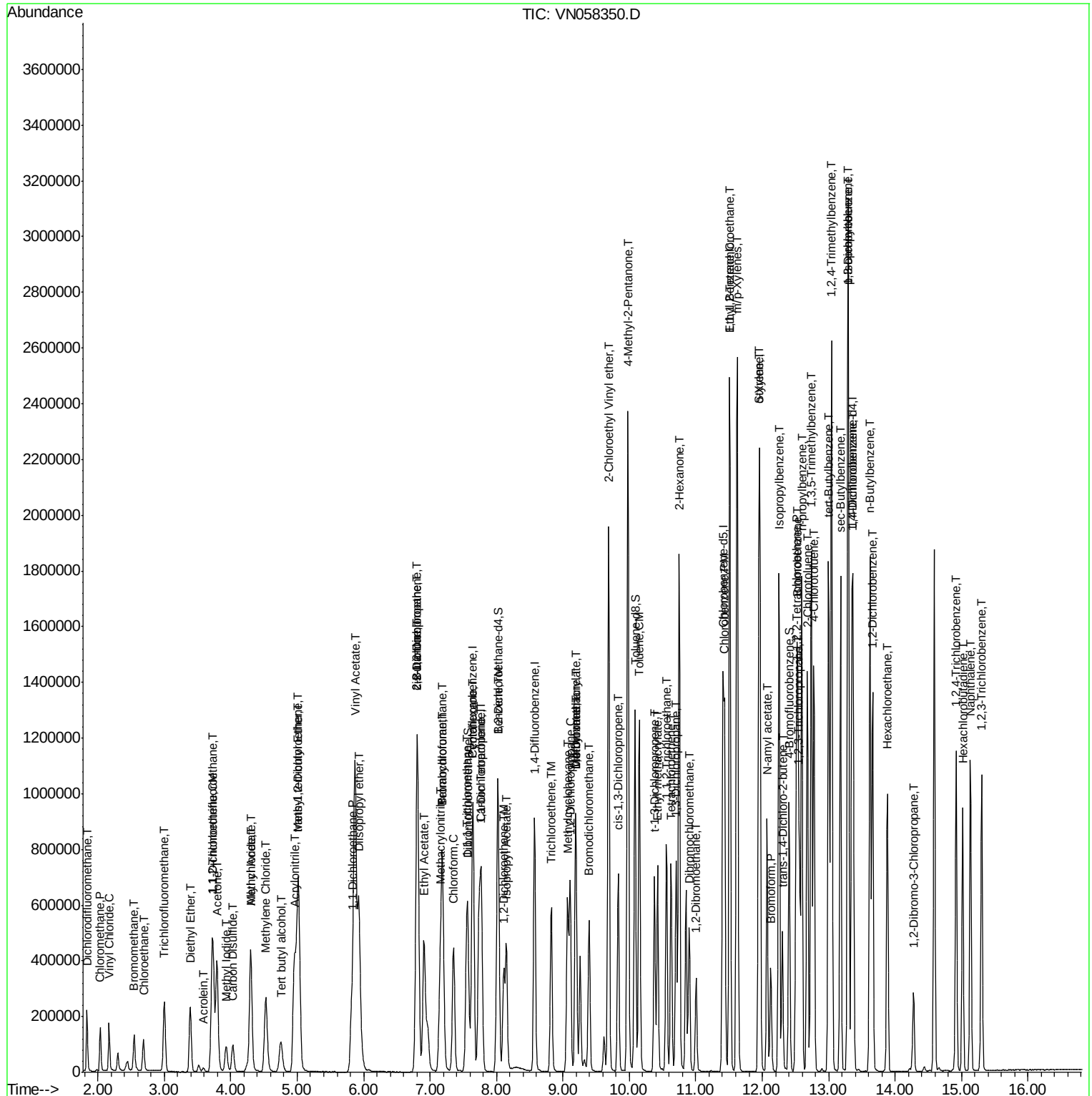
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Data File : VN058350.D
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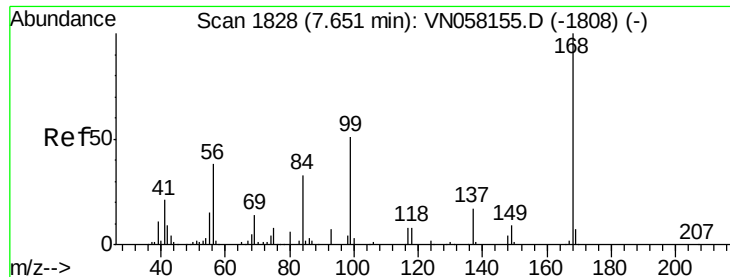
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 472195

Ion Ratio Lower Upper

168 100

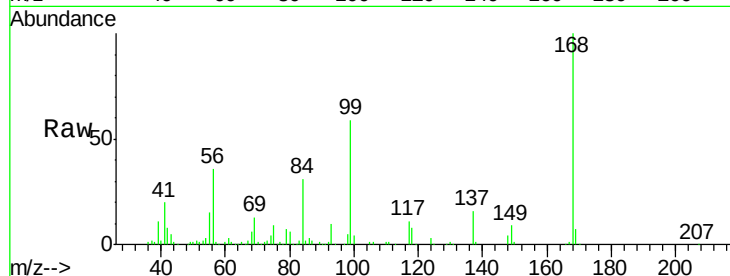
99 58.4 47.4 71.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

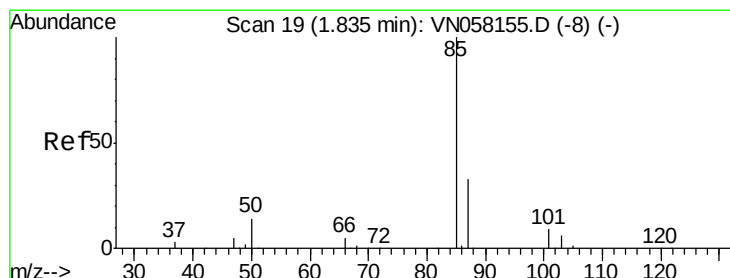
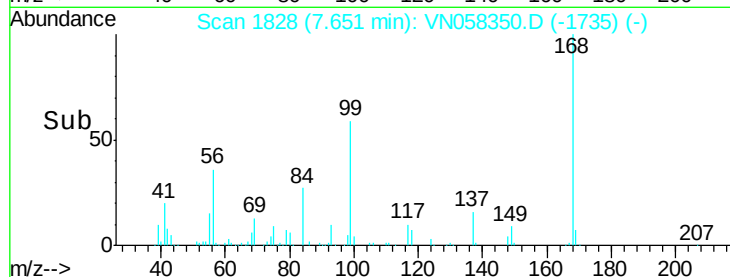
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 41.604 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058350.D

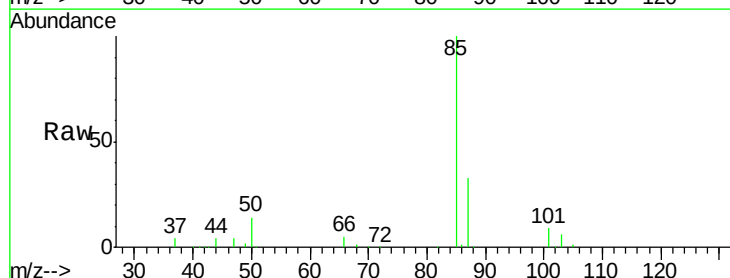
Acq: 25 Sep 2019 8:43

Tgt Ion: 85 Resp: 161383

Ion Ratio Lower Upper

85 100

87 33.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

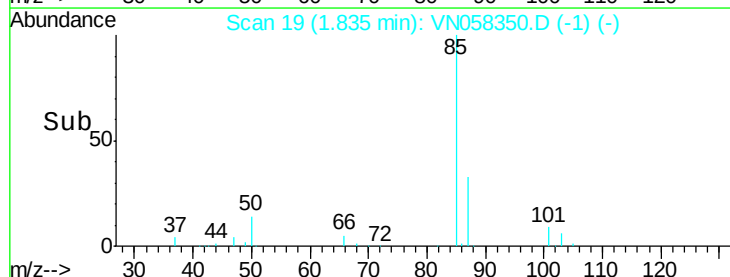
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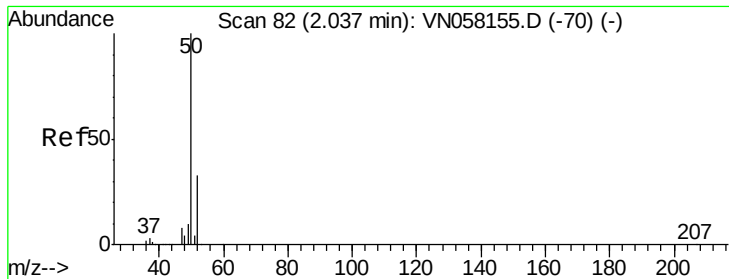
50000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 45.024 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 134928

Ion Ratio Lower Upper

50 100

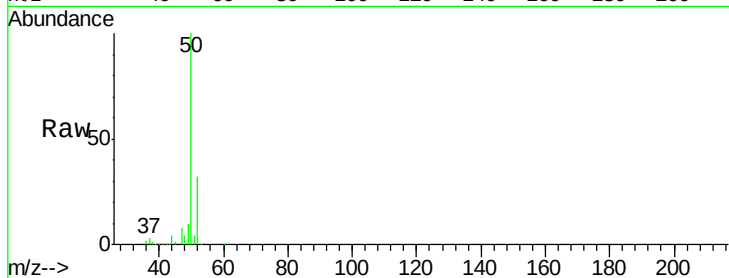
52 31.7 26.3 39.5

Manual Integrations

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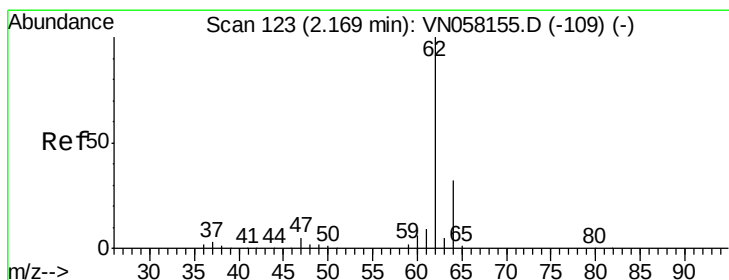
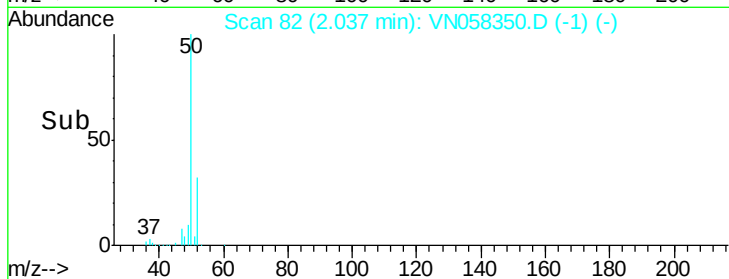
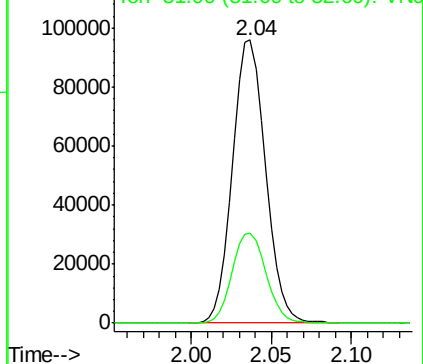
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 45.993 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058350.D

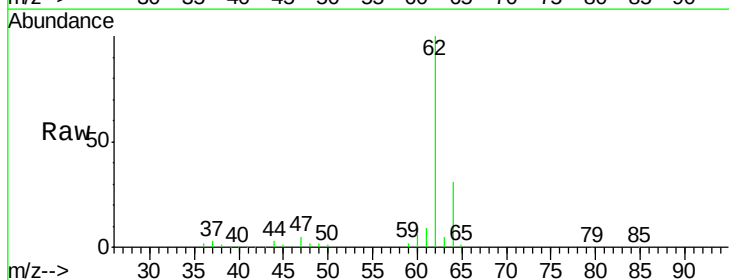
Acq: 25 Sep 2019 8:43

Tgt Ion: 62 Resp: 150614

Ion Ratio Lower Upper

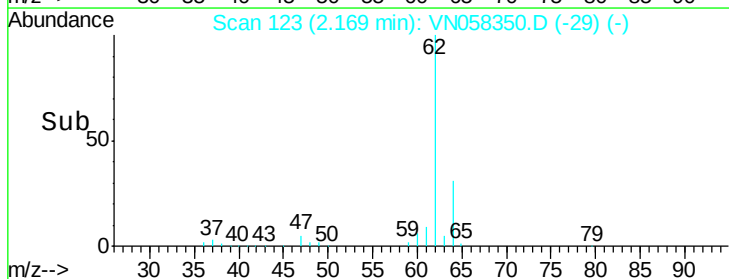
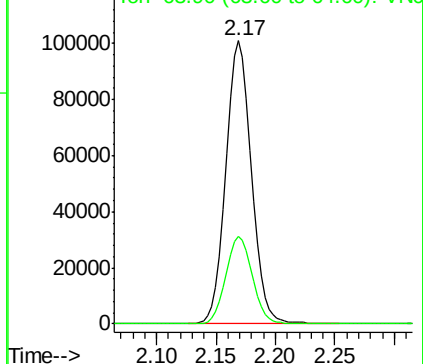
62 100

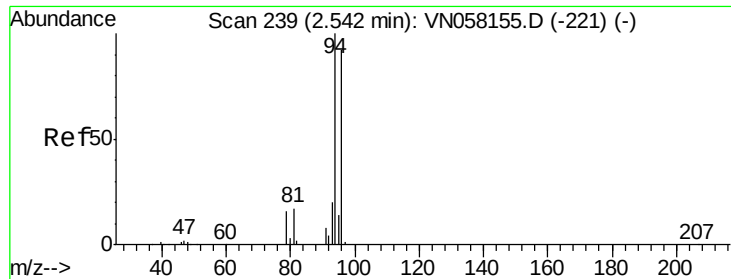
64 30.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 47.953 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 82944

Ion Ratio Lower Upper

94 100

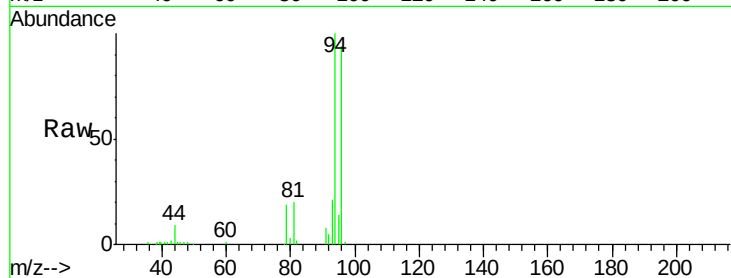
96 94.1 73.3 109.9

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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.55

50000

40000

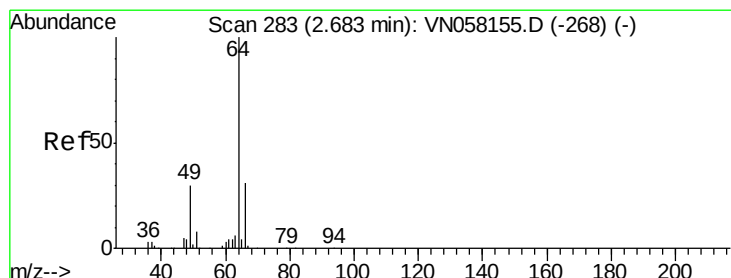
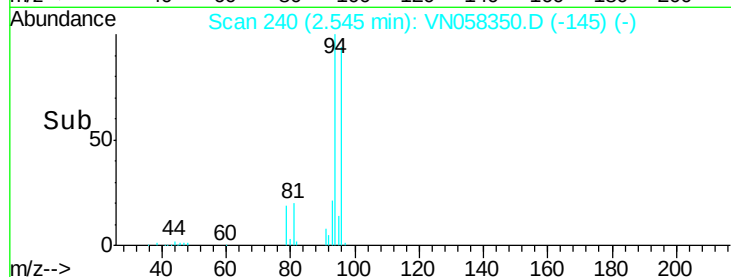
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20000

10000

0

Time-->



#6

Chloroethane

Concen: 48.152 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058350.D

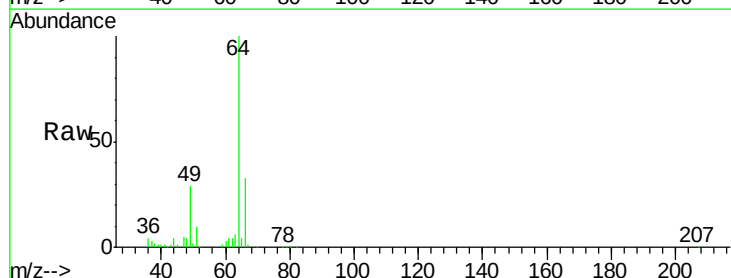
Acq: 25 Sep 2019 8:43

Tgt Ion: 64 Resp: 100984

Ion Ratio Lower Upper

64 100

66 32.8 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

2.69

60000

50000

40000

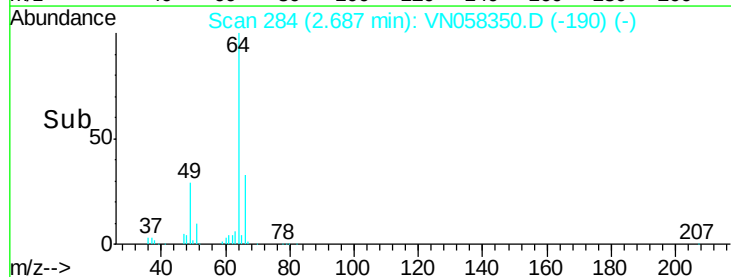
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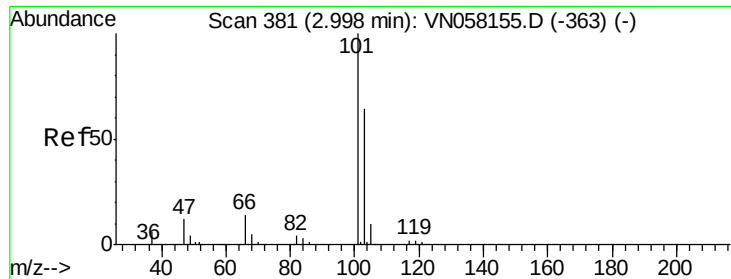
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10000

0

Time-->





#7

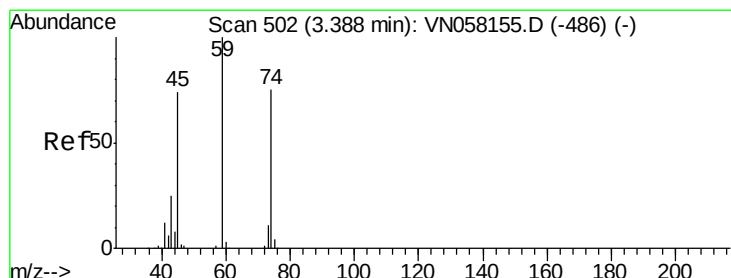
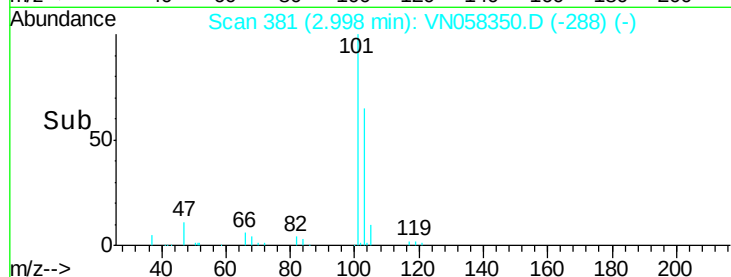
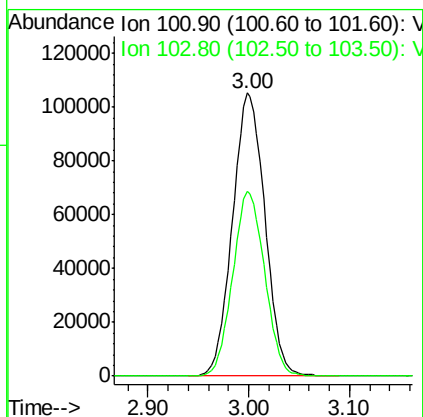
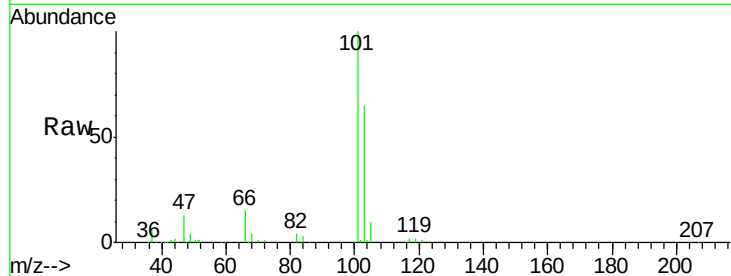
Trichlorofluoromethane
Concen: 44.412 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		235142		
103	65.3	51.0	76.6		

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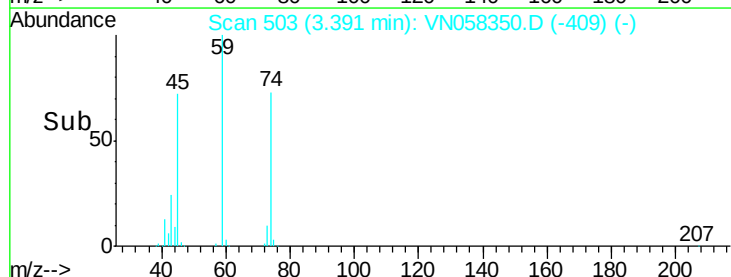
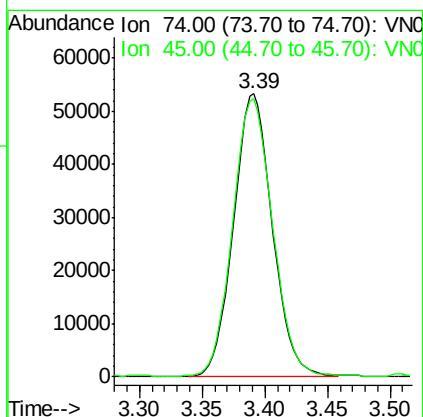
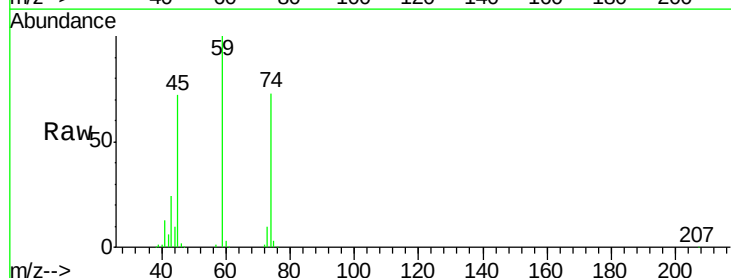
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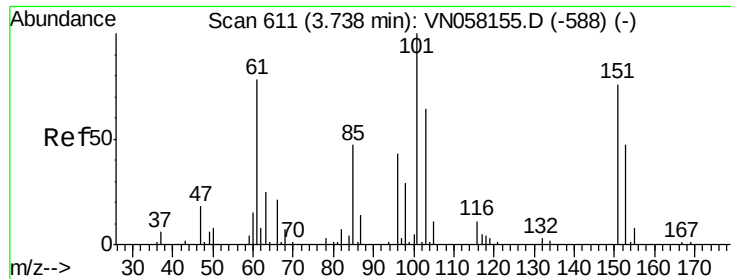


#8

Diethyl Ether
Concen: 47.225 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		114567		
45	100.7	48.5	145.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.355 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

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MSVOA_N

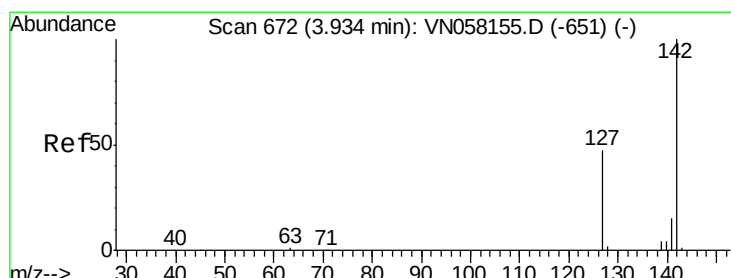
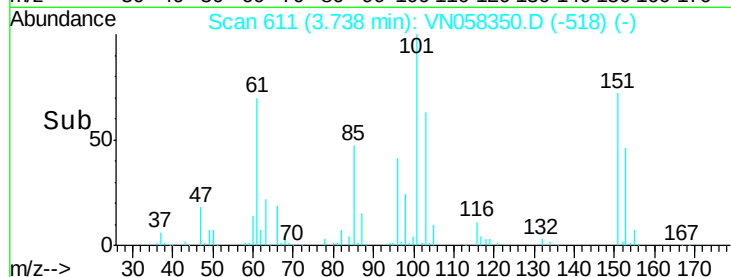
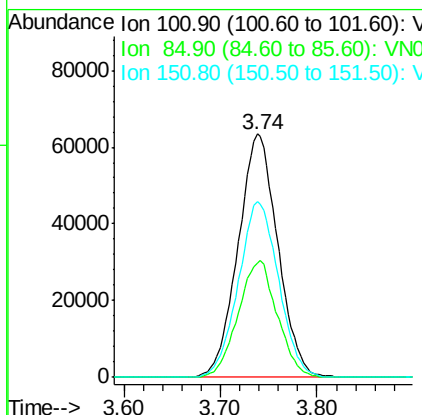
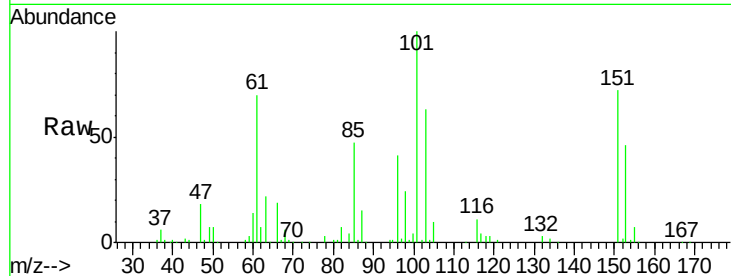
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	180770
Ion Ratio	Lower	Upper	
101	100		
85	47.1	37.3	55.9
151	73.2	59.6	89.4

Manual Integrations
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#10

Methyl Iodide

Concen: 46.091 ug/l

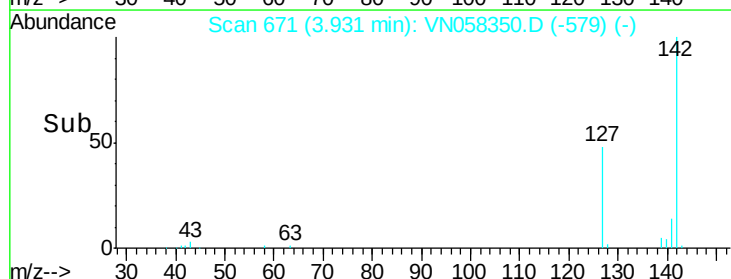
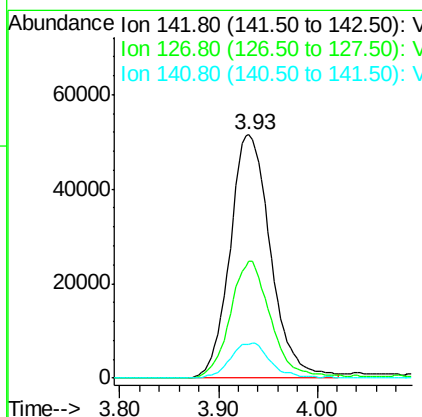
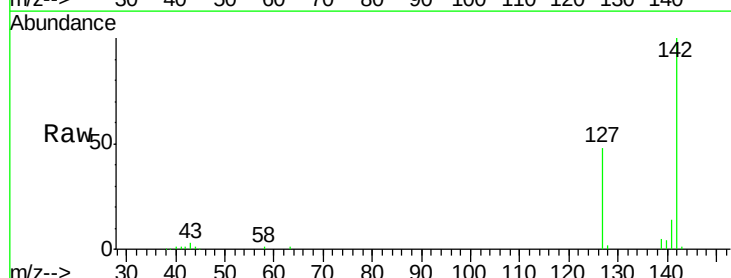
RT: 3.93 min Scan# 671

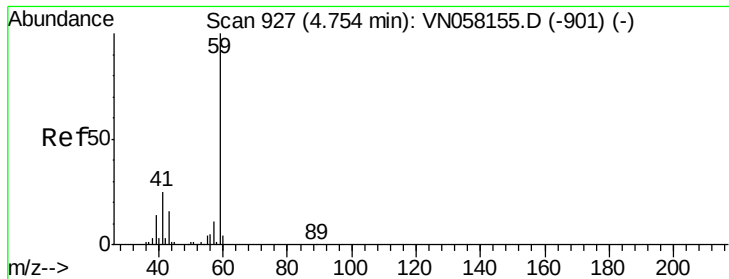
Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Tgt Ion:	142	Resp:	147432
Ion Ratio	Lower	Upper	
142	100		
127	48.0	37.5	56.3
141	14.1	11.4	17.2





#11

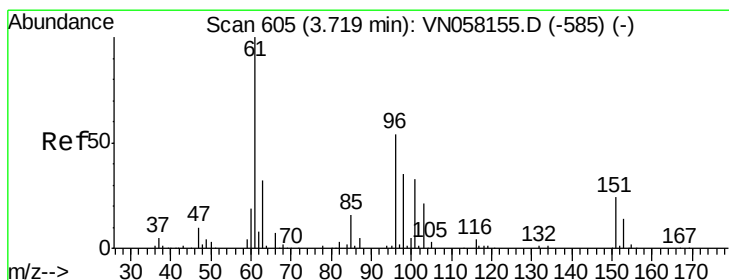
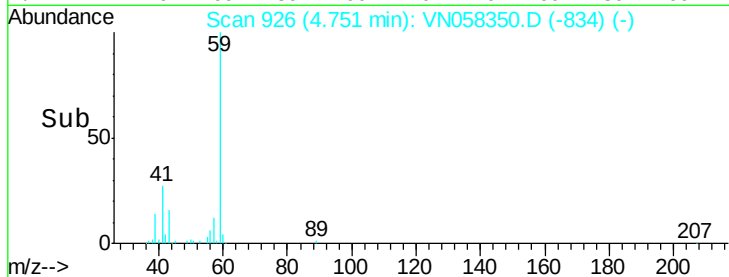
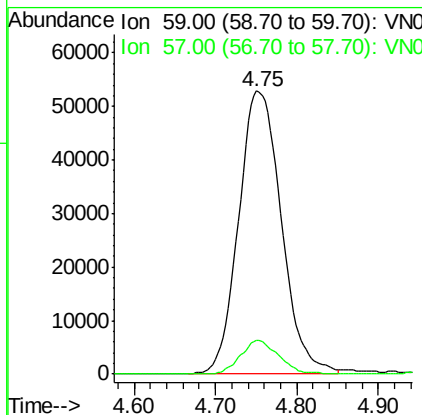
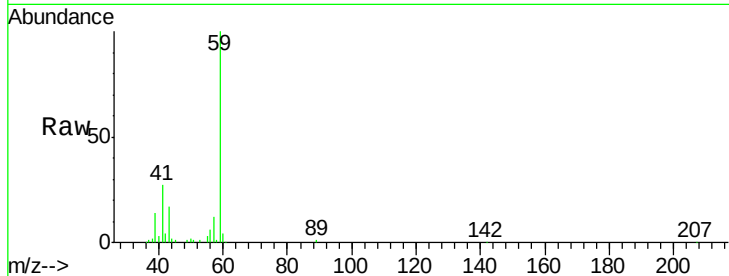
Tert butyl alcohol
 Concen: 245.704 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	192219		
57	10.6		8.6	13.0

Manual Integrations
 APPROVED

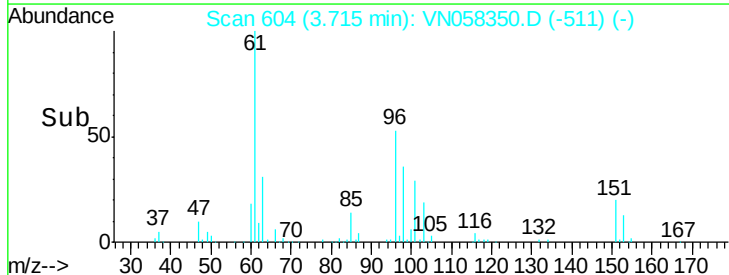
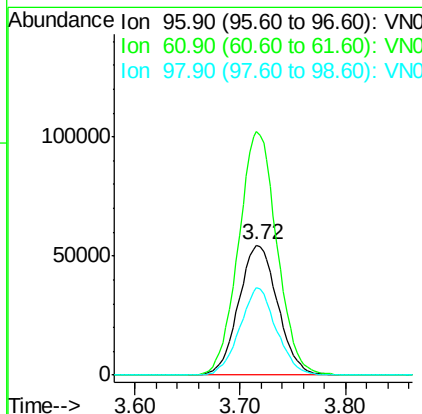
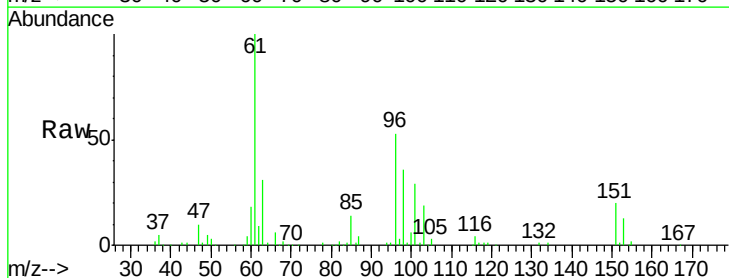
MMDadoda
 9/26/2019 12:59:57 PM

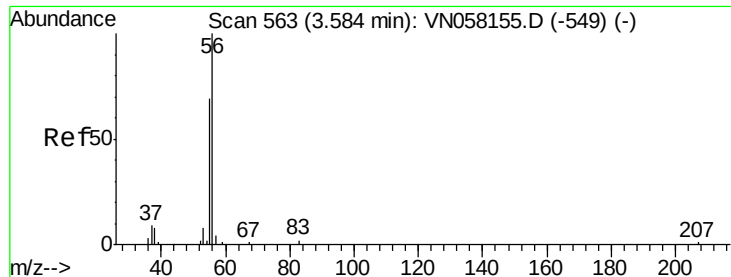


#12

1,1-Dichloroethene
 Concen: 48.442 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	140366		
61	187.2		149.5	224.3
98	67.0		52.4	78.6





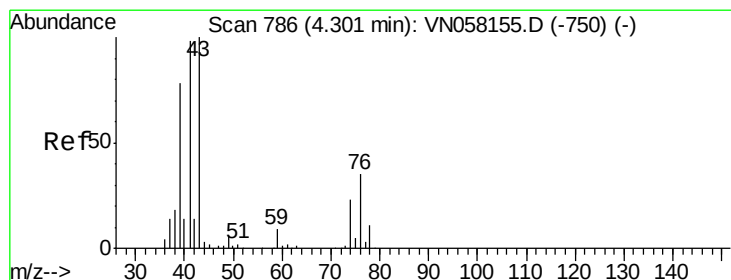
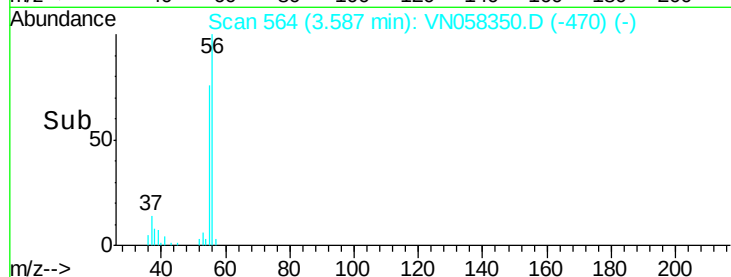
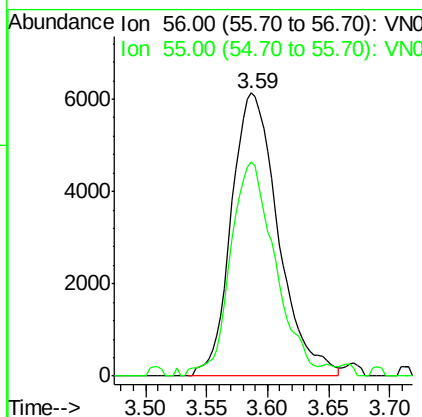
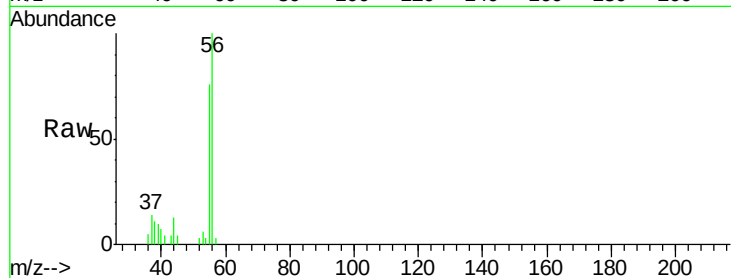
#13
Acrolein
Concen: 141.146 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.1	56.1	84.1

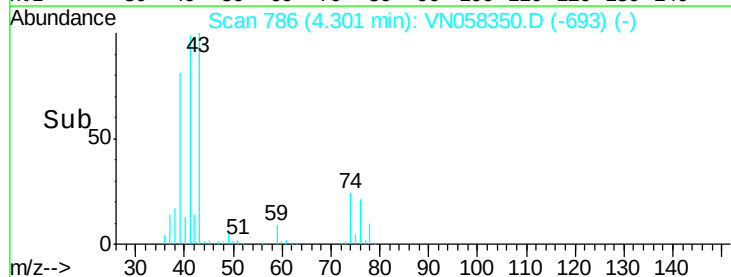
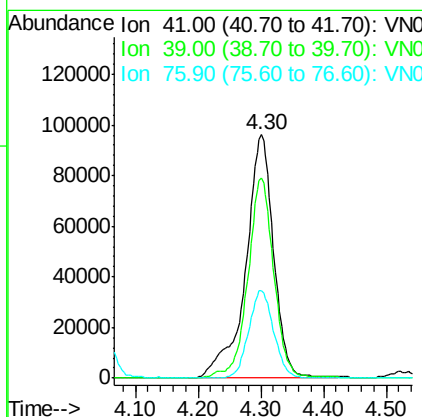
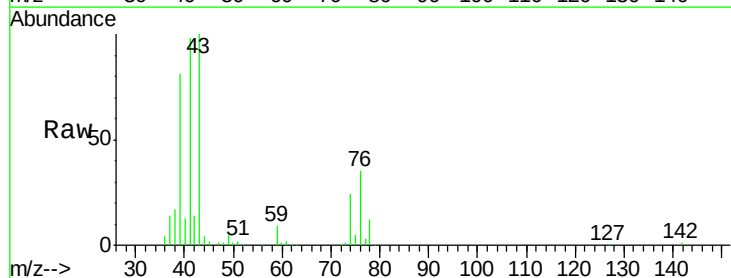
Manual Integrations
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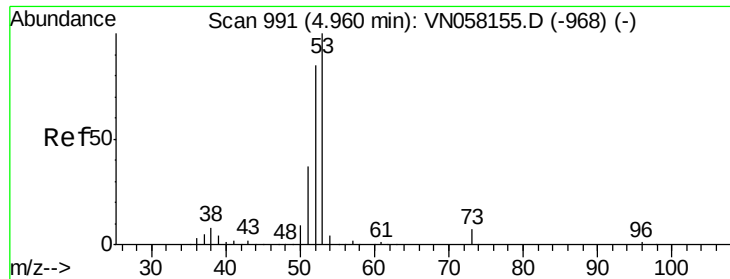
MMDadoda
9/26/2019 12:59:57 PM



#14
Allyl chloride
Concen: 47.746 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion	Ratio	Lower	Upper
41	100		
39	76.0	59.1	88.7
76	32.1	25.1	37.7





#15

Acrylonitrile

Concen: 253.200 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

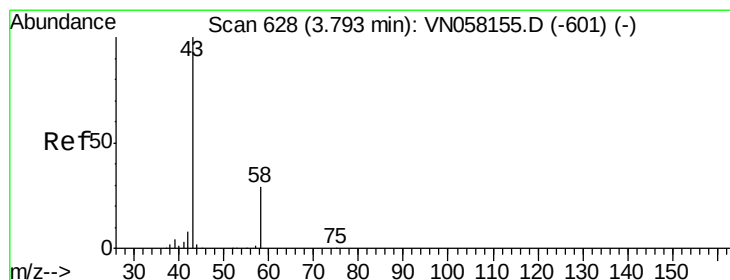
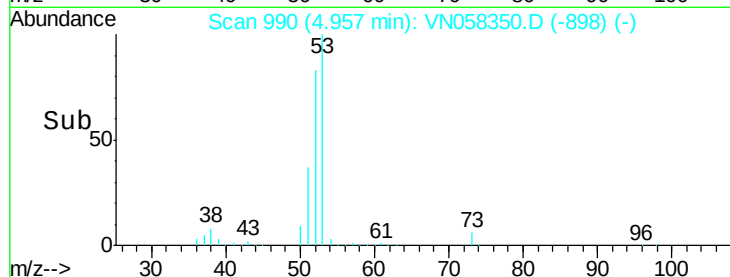
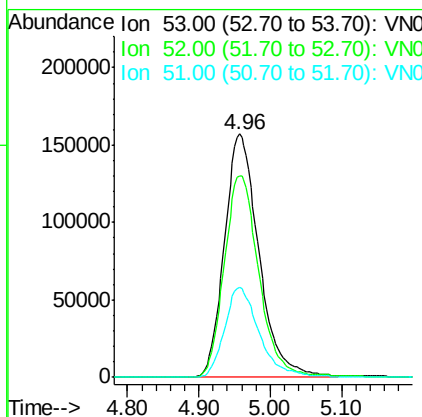
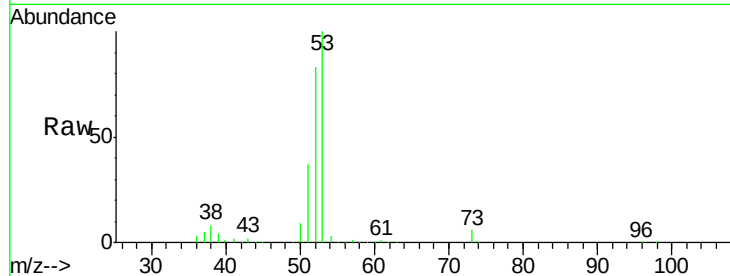
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	527751
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.6	100.0
51	37.4	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 294.460 ug/l

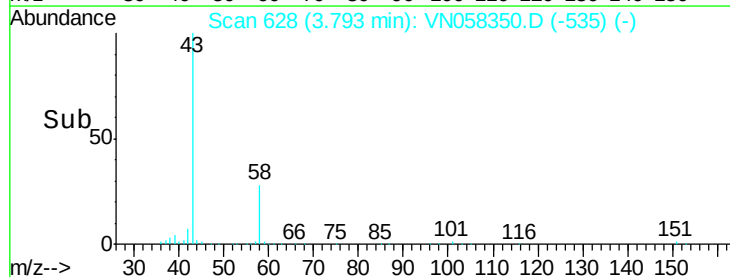
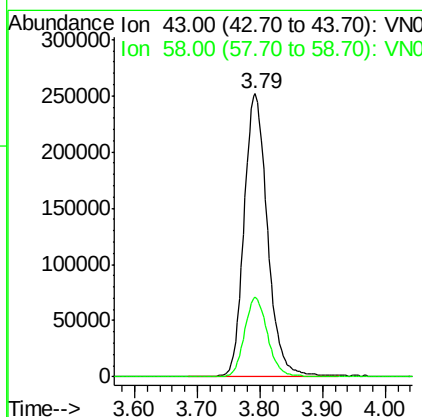
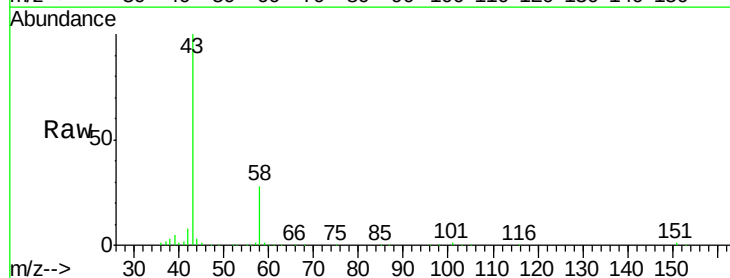
RT: 3.79 min Scan# 628

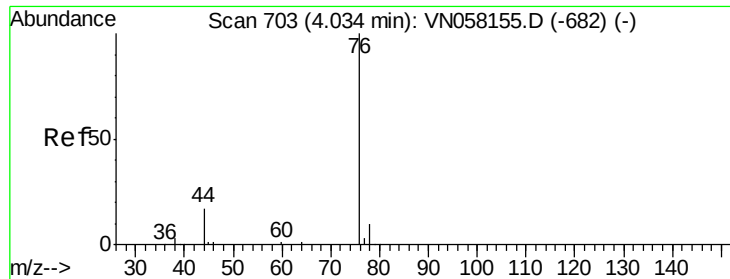
Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Tgt Ion:	43	Resp:	657357
Ion	Ratio	Lower	Upper
43	100		
58	28.2	23.4	35.2





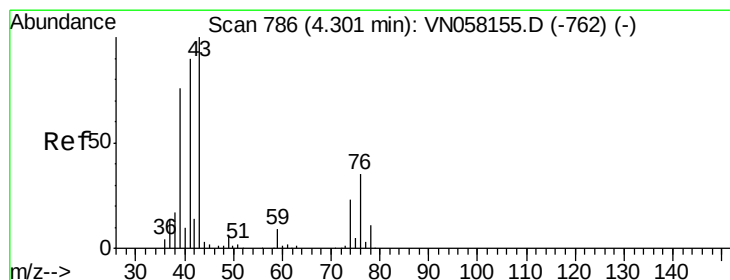
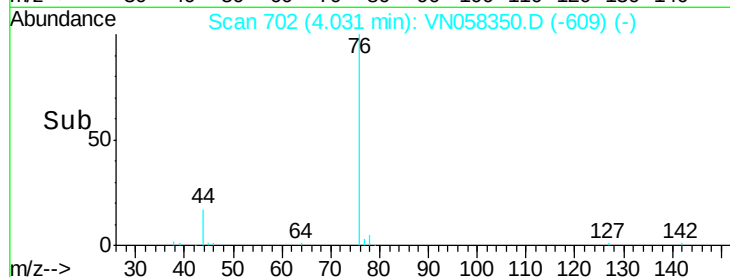
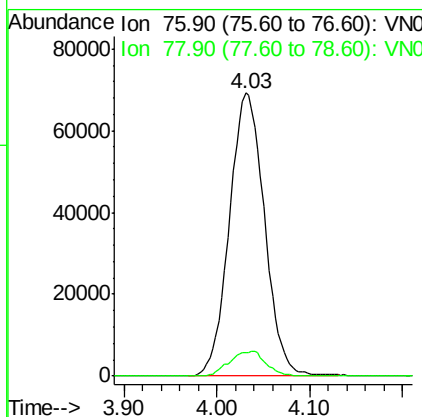
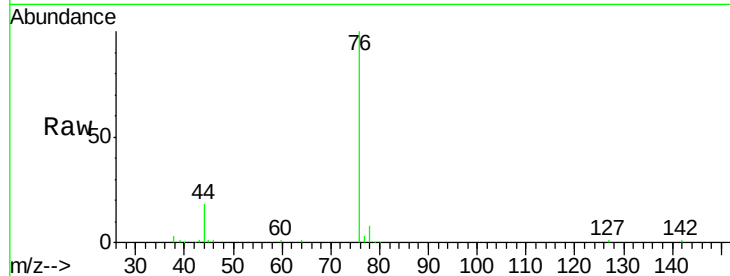
#17
Carbon Disulfide
Concen: 44.670 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.7	11.5

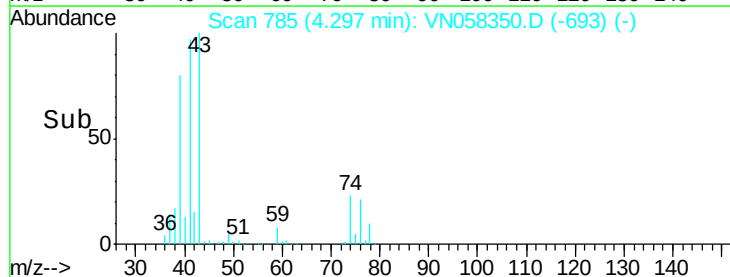
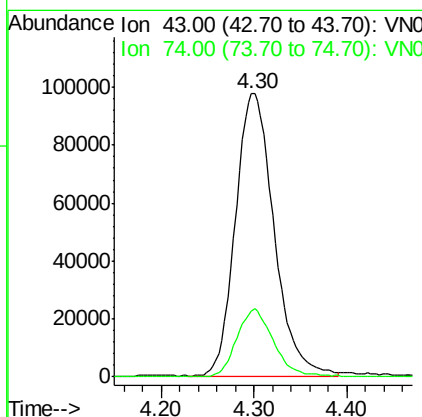
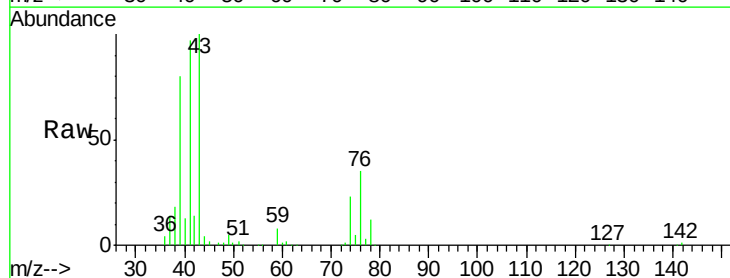
Manual Integrations
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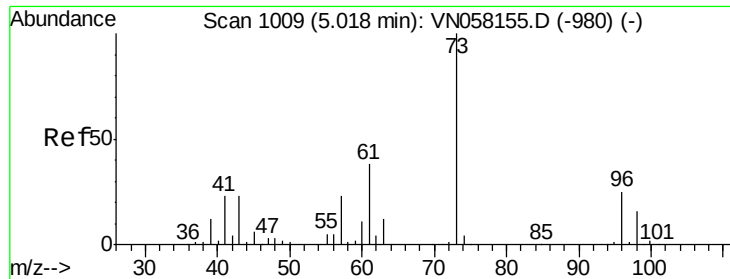
MMDadoda
9/26/2019 12:59:57 PM



#18
Methyl Acetate
Concen: 47.755 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.0	27.0





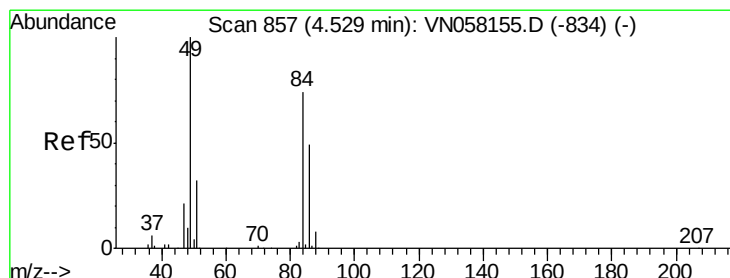
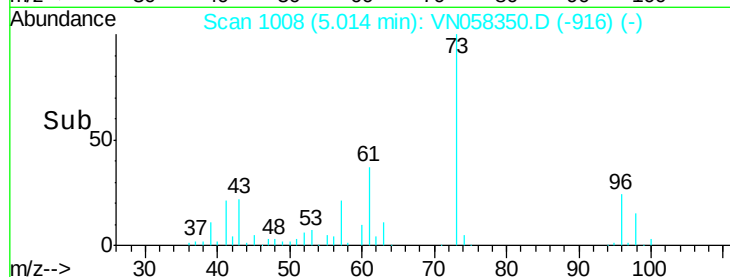
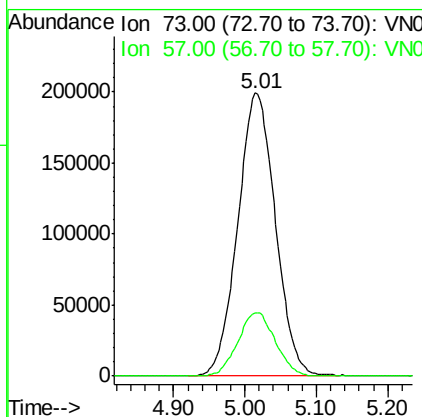
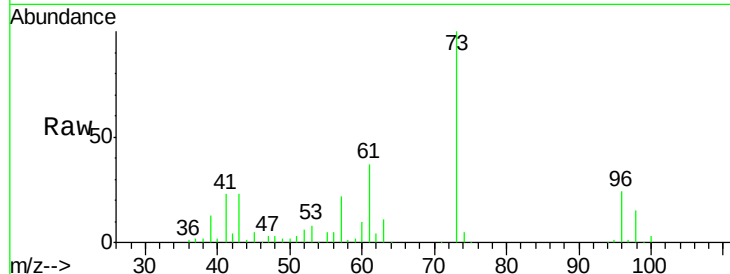
#19
Methyl tert-butyl Ether
Concen: 50.768 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.1	27.1

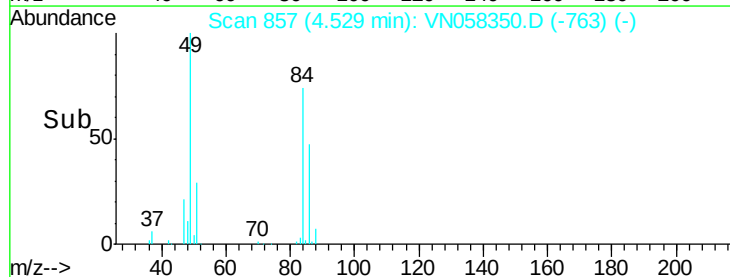
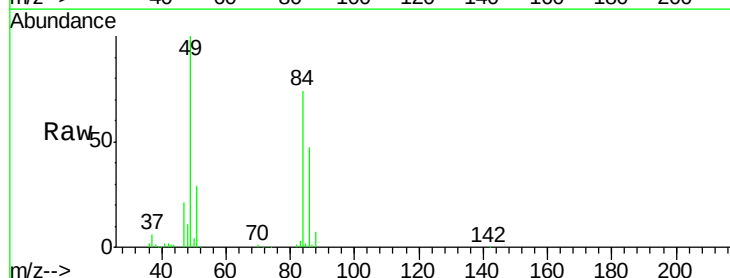
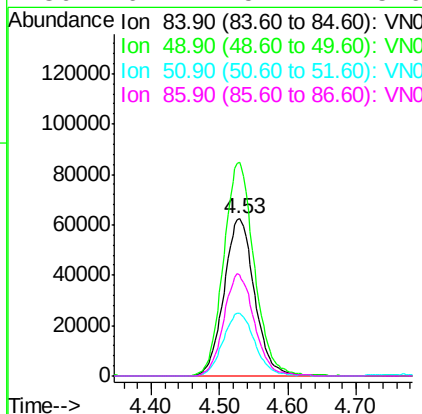
Manual Integrations
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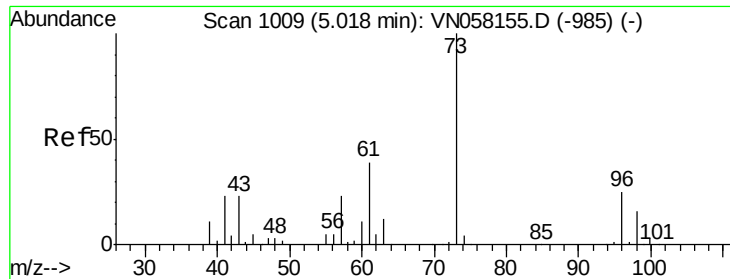
MMDadoda
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#20
Methylene Chloride
Concen: 49.710 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.0	107.5	161.3
51	39.9	33.9	50.9
86	64.1	52.4	78.6





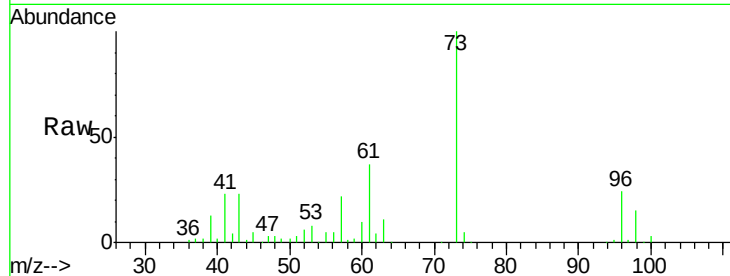
#21
trans-1,2-Dichloroethene
Concen: 49.227 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.5	122.2	183.4
98	63.0	49.9	74.9

Manual Integrations
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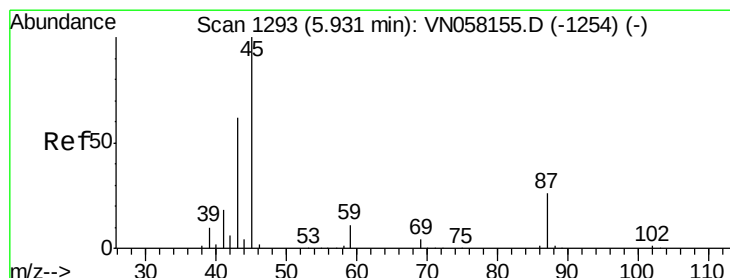
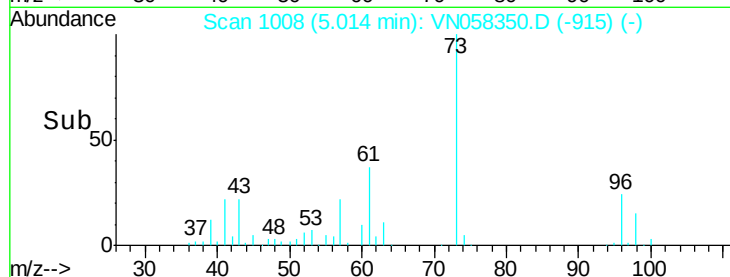
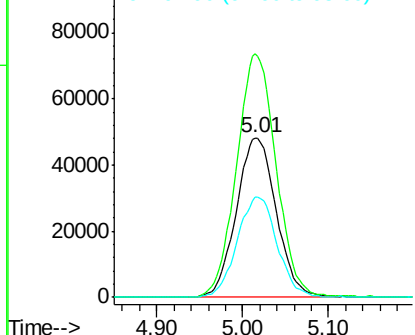


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 51.039 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.7	49.7	74.5
87	26.3	20.7	31.1
59	11.8	9.1	13.7

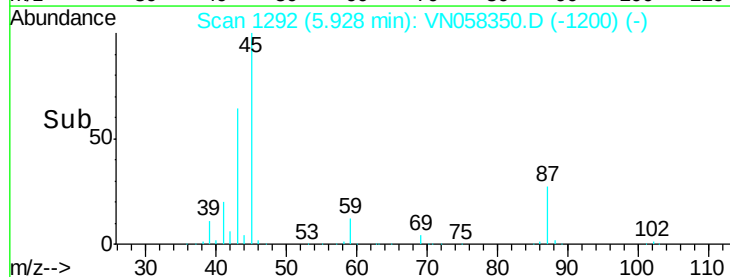
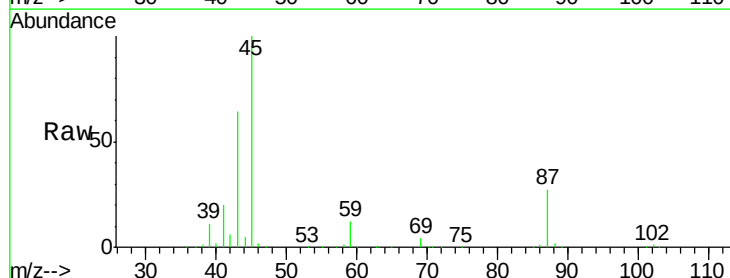
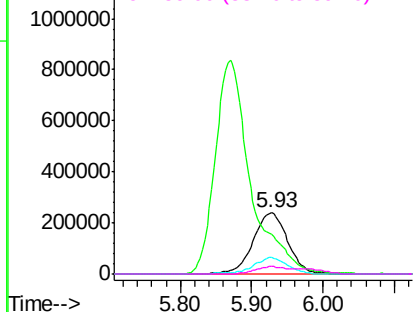
Abundance

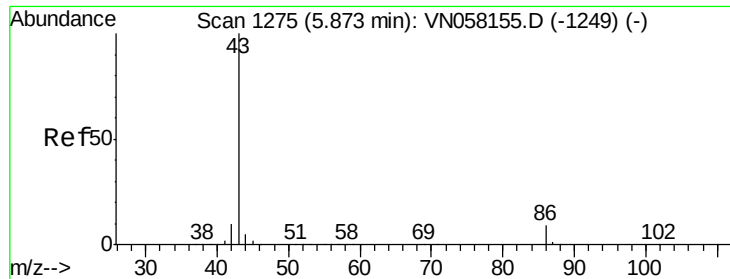
Ion 45.00 (44.70 to 45.70): VNO

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





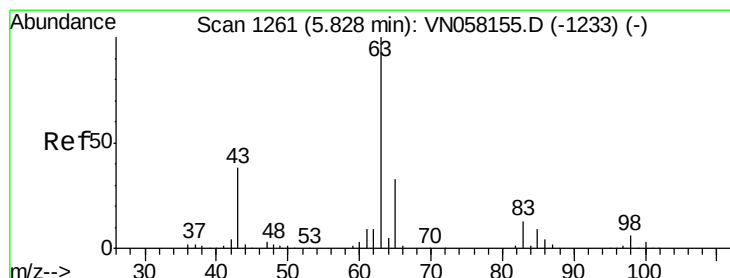
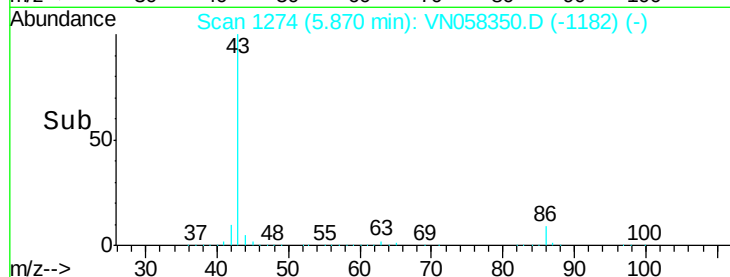
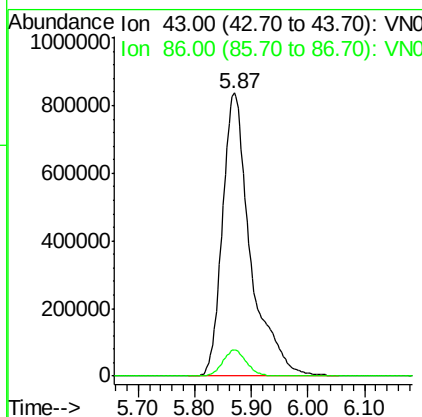
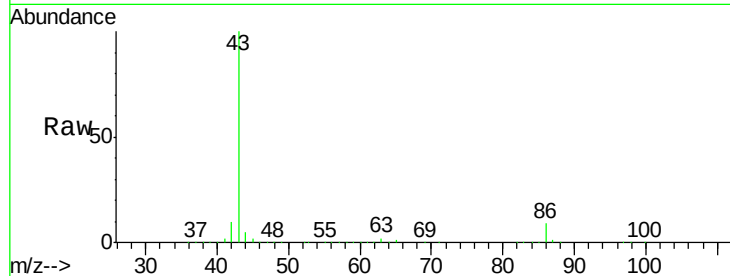
#23
 Vinyl Acetate
 Concen: 265.642 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2884150
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.4 11.2

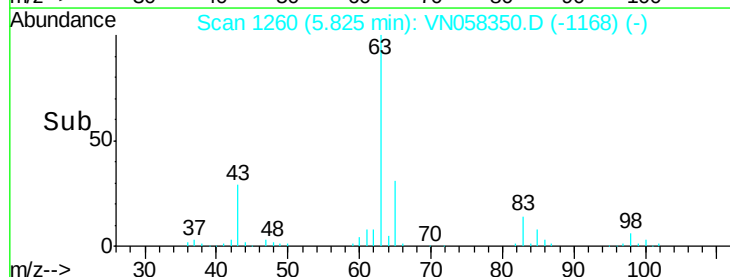
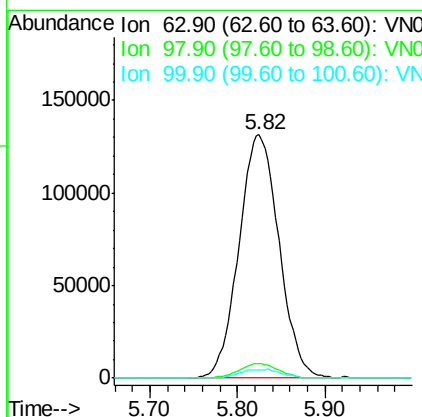
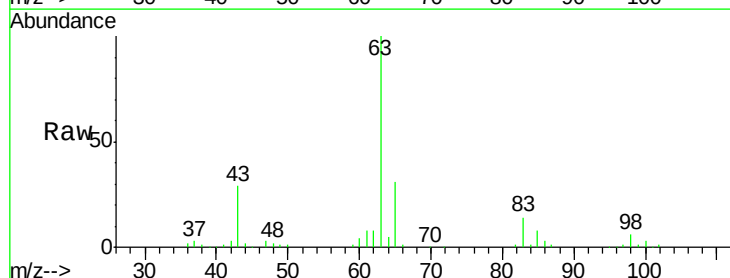
Manual Integrations
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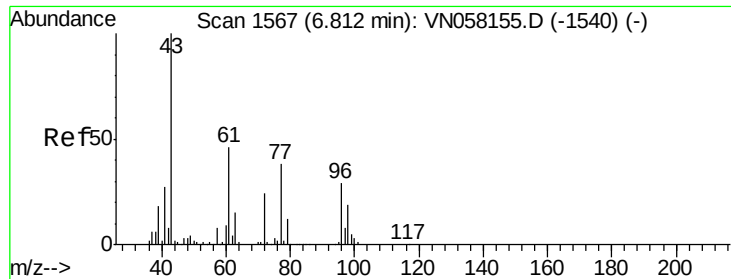
MMDadoda
 9/26/2019 12:59:57 PM



#24
 1,1-Dichloroethane
 Concen: 49.316 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Tgt Ion: 63 Resp: 417645
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.9 8.6
 100 3.4 1.8 5.3





#25

2-Butanone

Concen: 272.066 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 827460

Ion Ratio Lower Upper

43 100

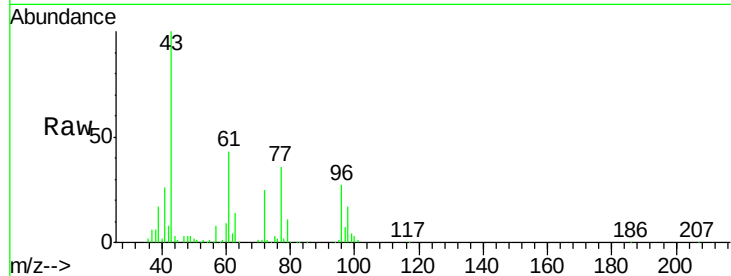
72 25.1 19.5 29.3

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

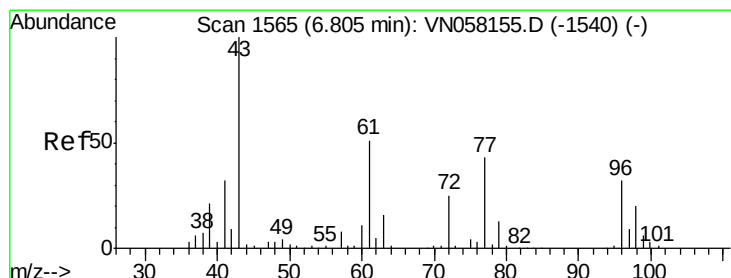
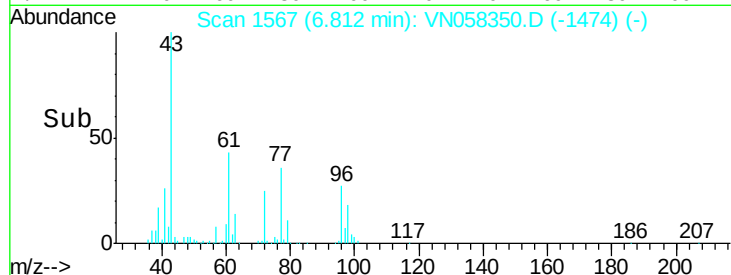
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 50.122 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058350.D

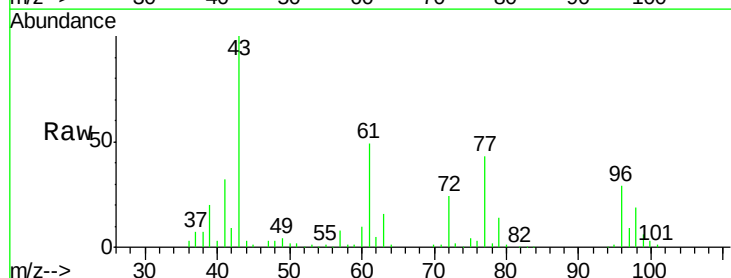
Acq: 25 Sep 2019 8:43

Tgt Ion: 77 Resp: 360105

Ion Ratio Lower Upper

77 100

97 21.1 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

120000

100000

80000

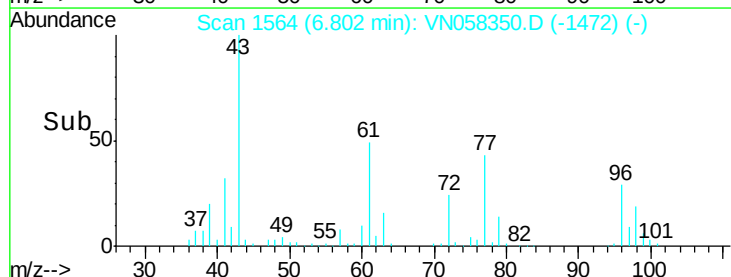
60000

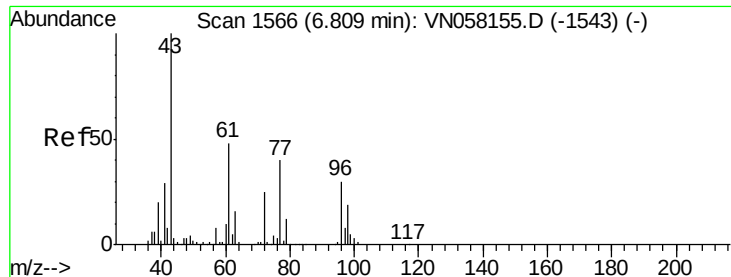
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 48.615 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

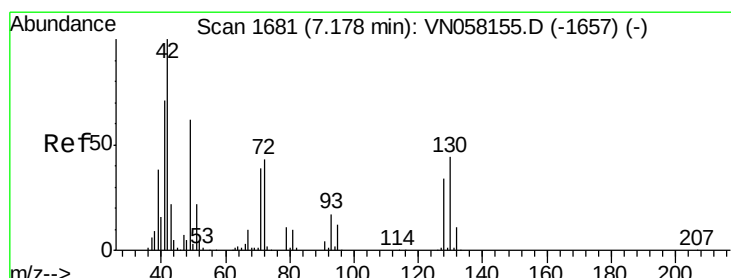
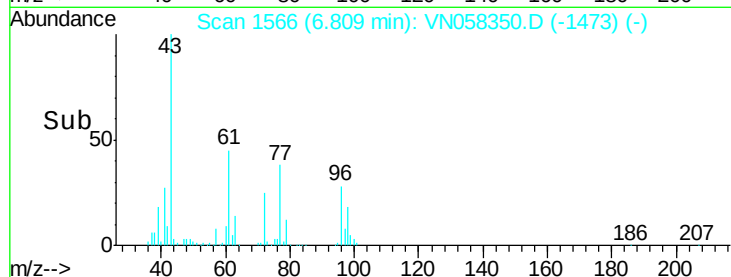
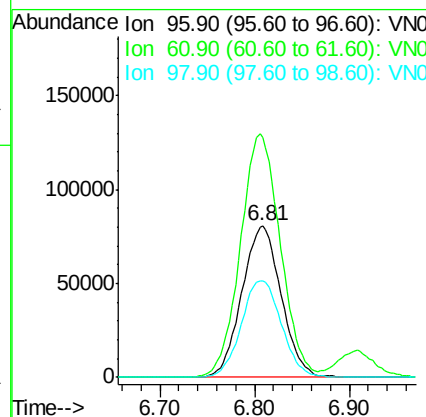
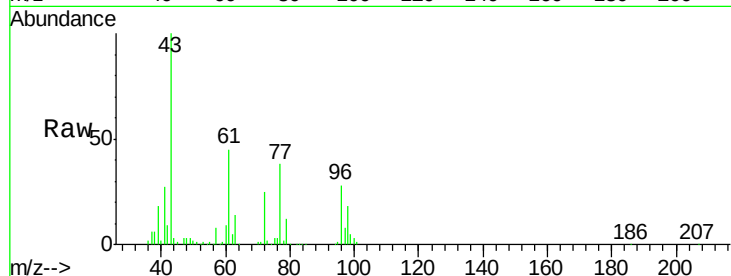
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	232793
Ion Ratio	Lower	Upper	
96	100		
61	162.6	0.0	319.0
98	65.3	0.0	126.6

Manual Integrations
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#28

Bromochloromethane

Concen: 51.128 ug/l

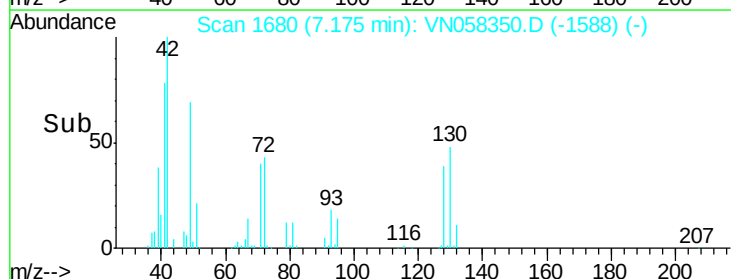
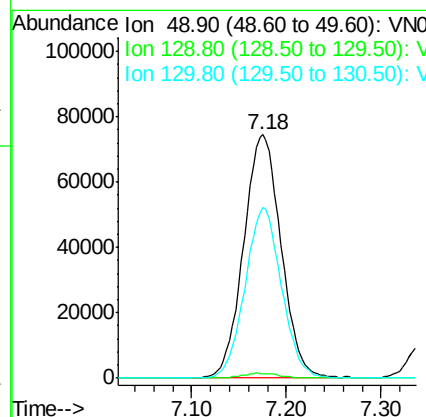
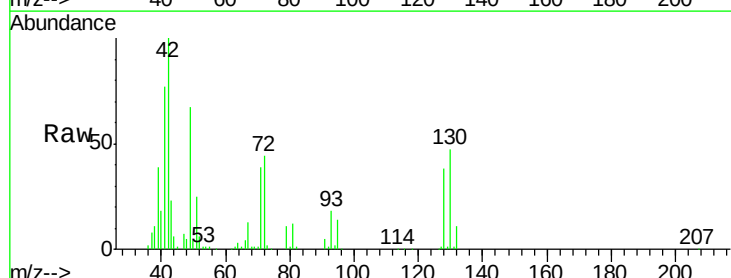
RT: 7.18 min Scan# 1680

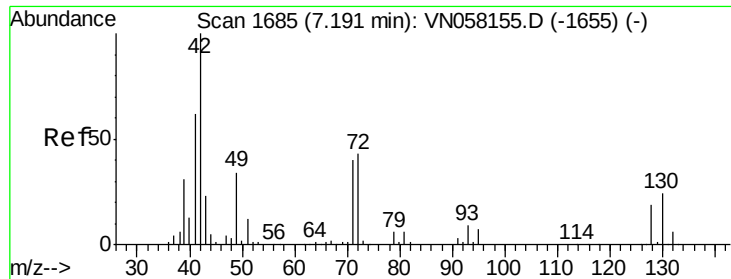
Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Tgt Ion:	49	Resp:	204828
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	1.8#
130	68.0	55.4	83.2





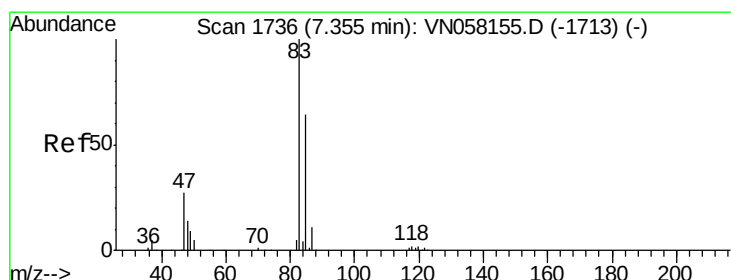
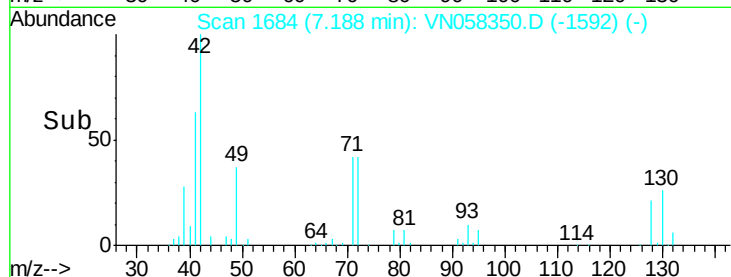
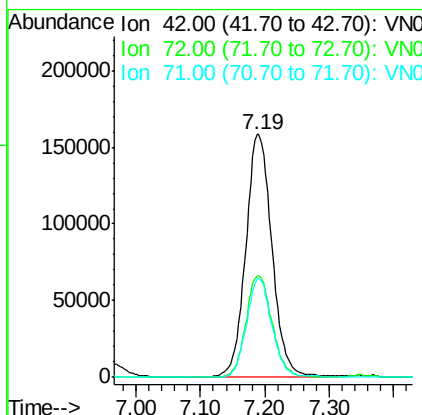
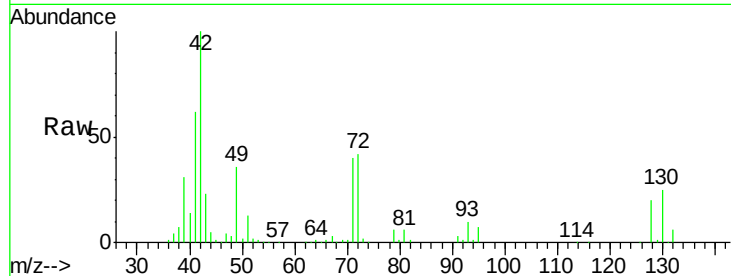
#29
Tetrahydrofuran
Concen: 238.909 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.8	50.6
71	39.5	31.4	47.0

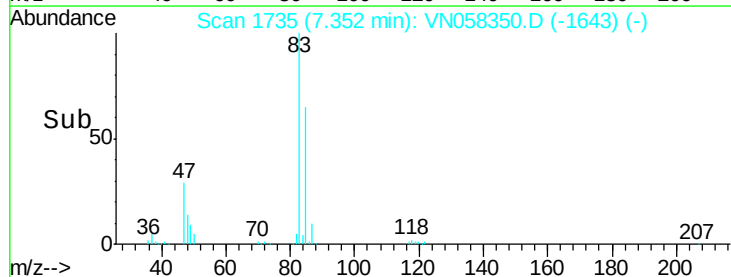
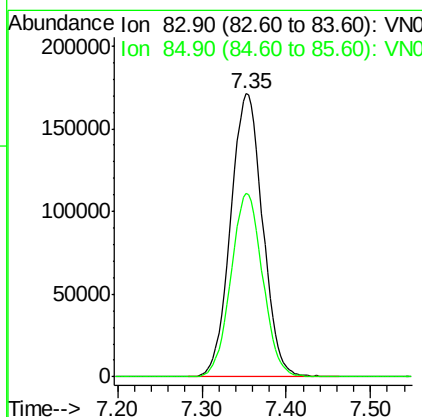
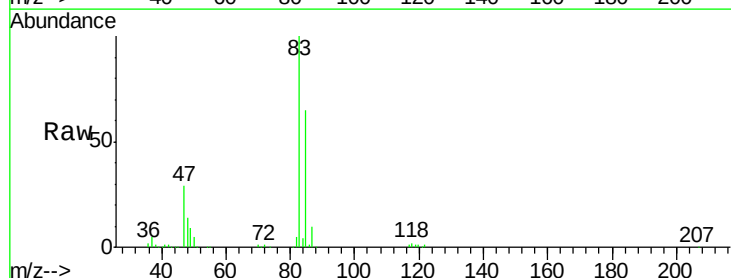
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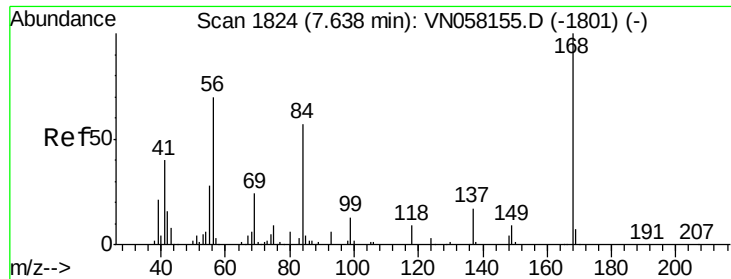
MMDadoda
9/26/2019 12:59:57 PM



#30
Chloroform
Concen: 49.626 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.4	77.2





#31

Cyclohexane

Concen: 47.736 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

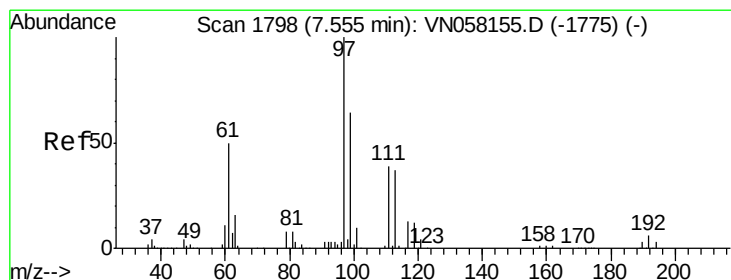
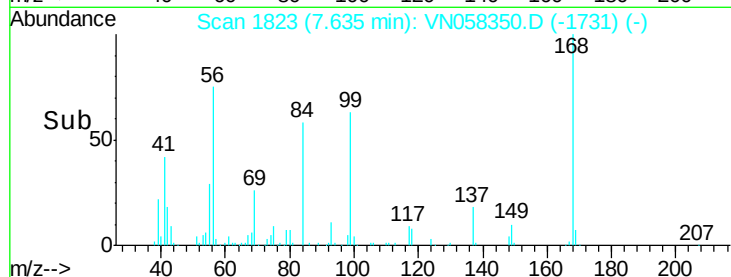
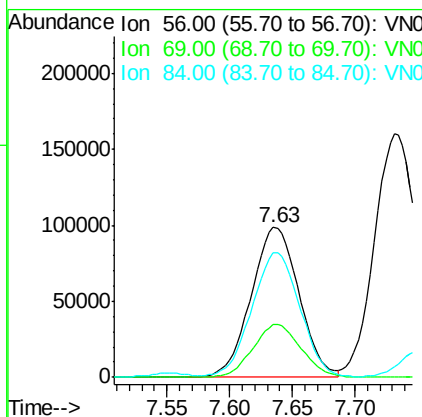
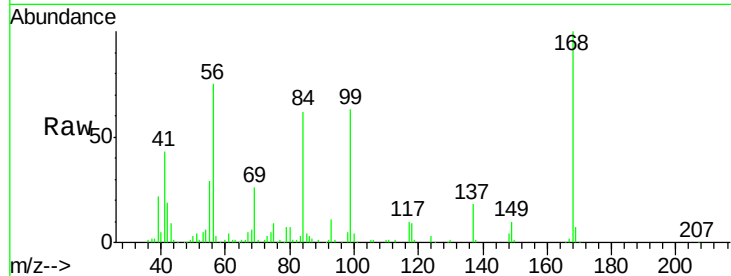
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	261914
Ion Ratio	Lower	Upper	
56	100		
69	35.1	27.3	40.9
84	81.4	65.0	97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.436 ug/l

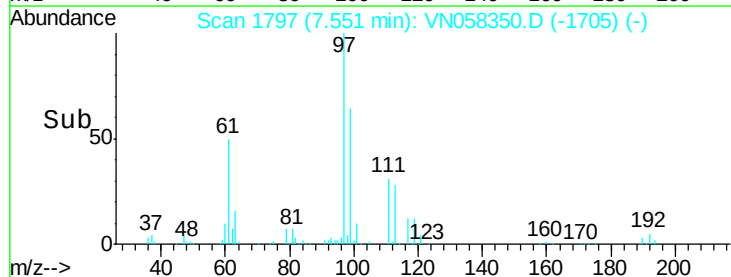
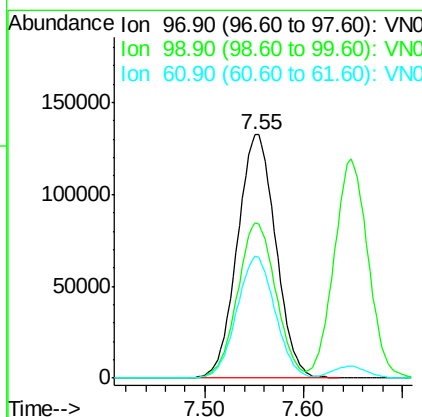
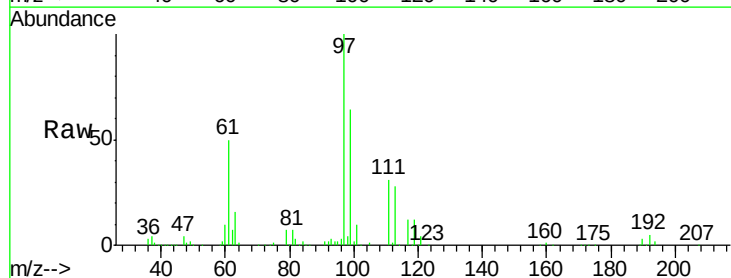
RT: 7.55 min Scan# 1797

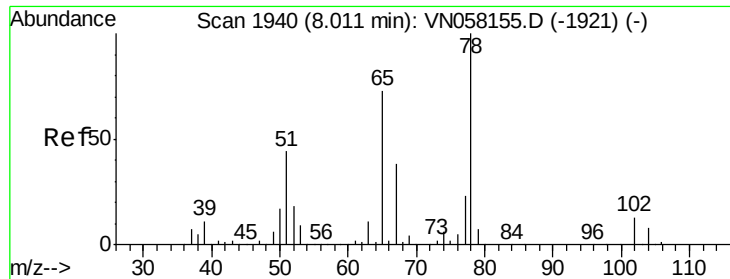
Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Tgt Ion:	97	Resp:	356948
Ion Ratio	Lower	Upper	
97	100		
99	63.7	50.9	76.3
61	49.9	39.2	58.8





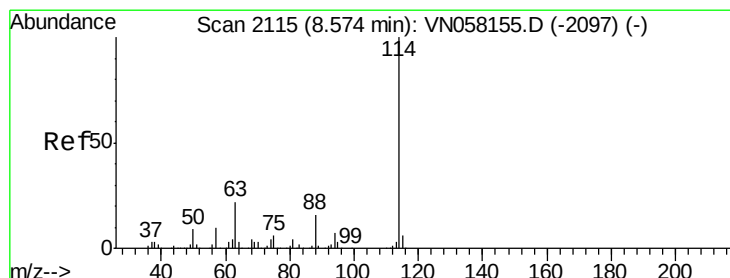
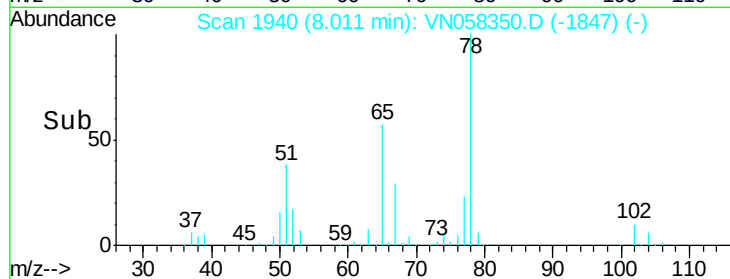
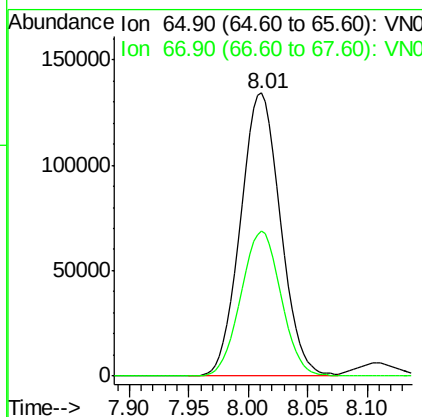
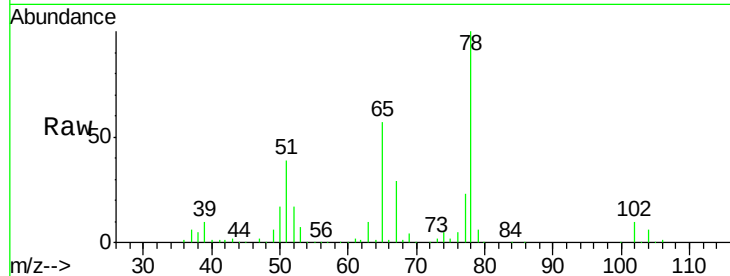
#33
 1,2-Dichloroethane-d4
 Concen: 47.613 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0		103.4

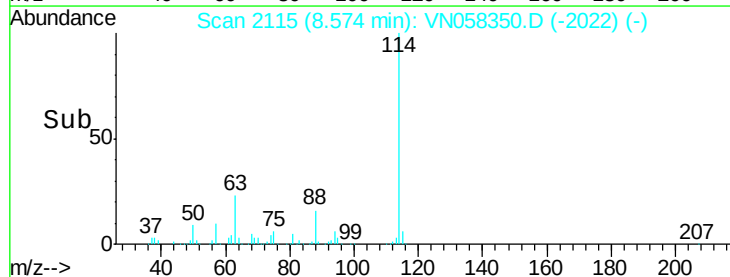
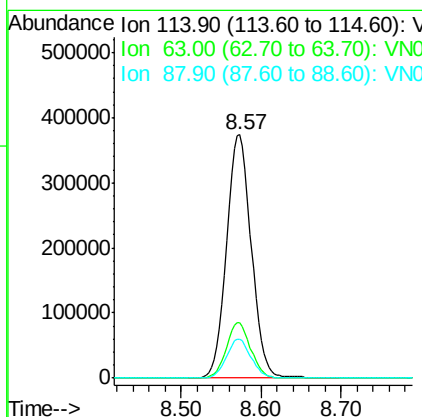
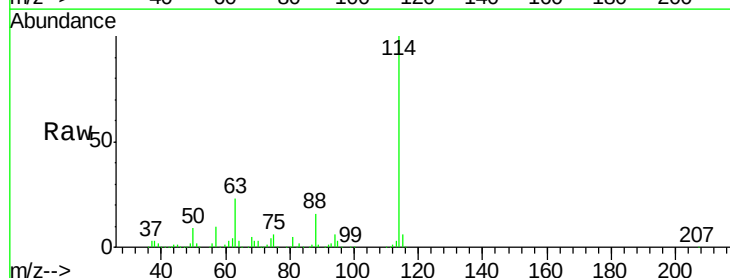
Manual Integrations
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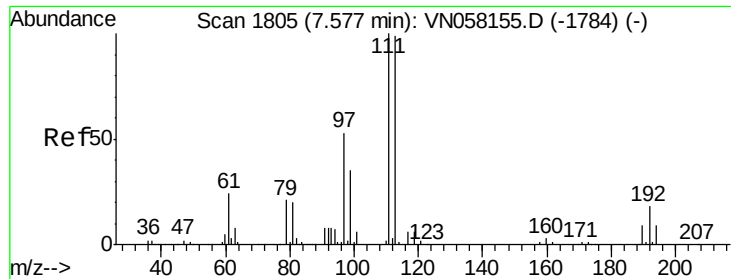
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.5	0.0		44.2
88	16.1	0.0		31.6





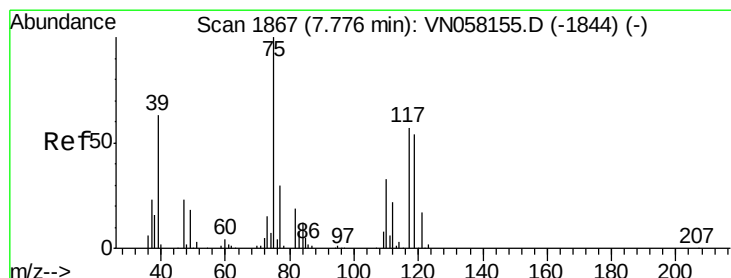
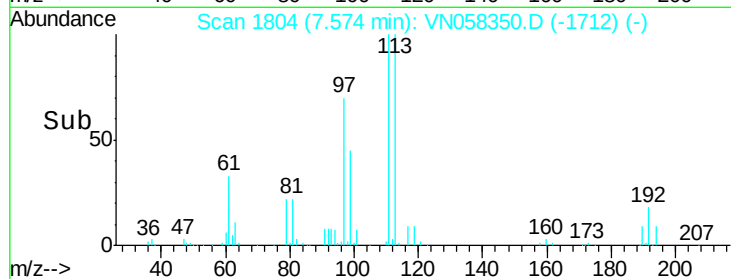
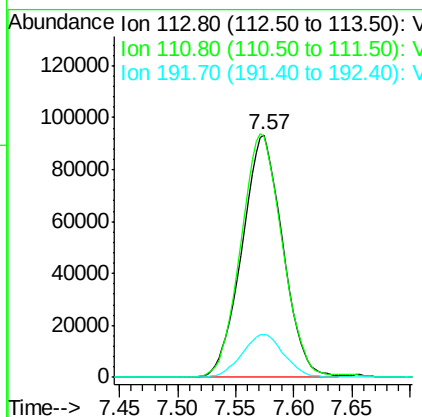
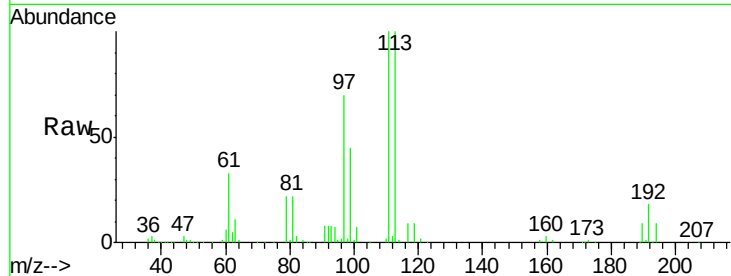
#35
 Dibromofluoromethane
 Concen: 47.597 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	228226		
111	102.1	81.8	122.6	
192	18.2	14.5	21.7	

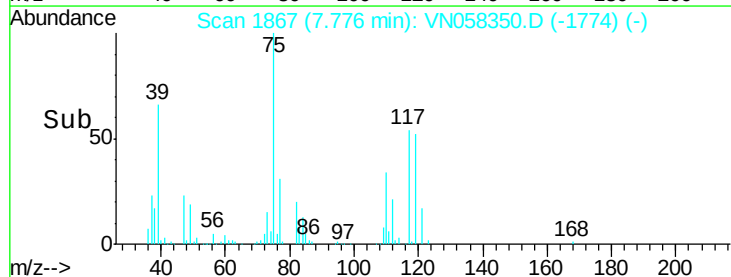
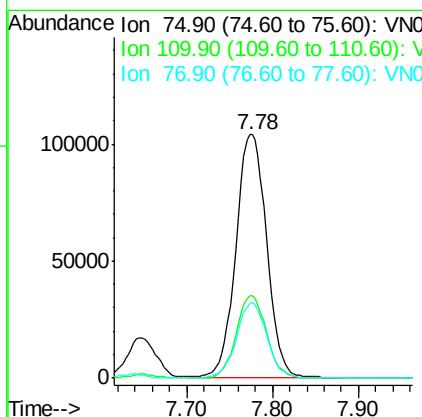
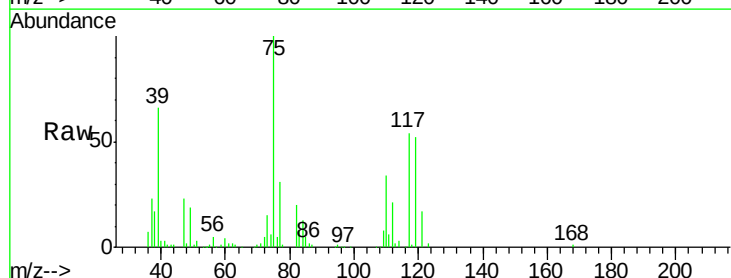
Manual Integrations
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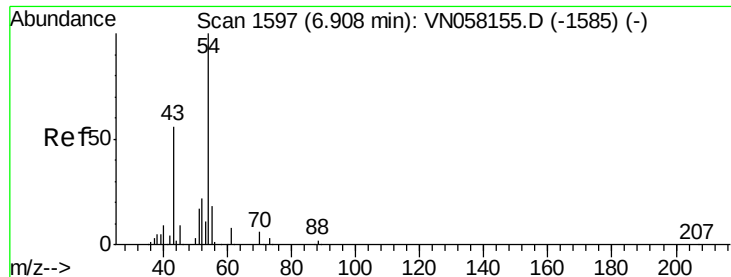
MMDadoda
 9/26/2019 12:59:57 PM



#36
 1,1-Dichloropropene
 Concen: 45.361 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	258015		
110	33.3	16.6	49.7	
77	30.7	24.3	36.5	





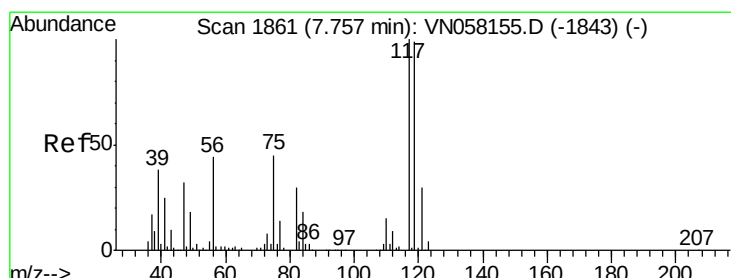
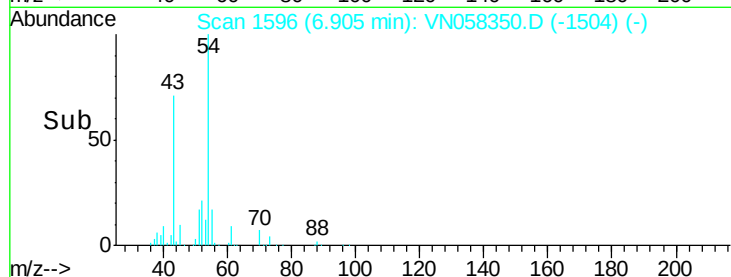
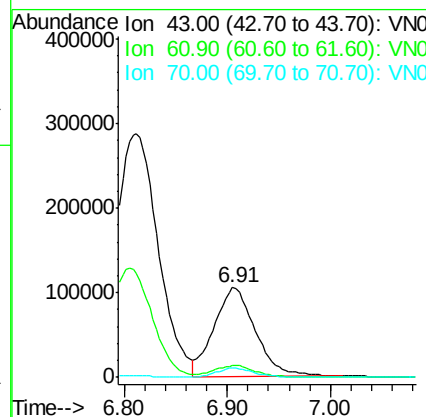
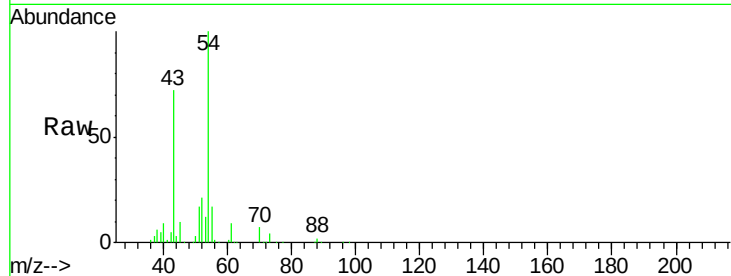
#37
Ethyl Acetate
Concen: 50.099 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	295735
Ion Ratio	Lower	Upper	
43	100		
61	12.6	10.7	16.1
70	9.6	7.6	11.4

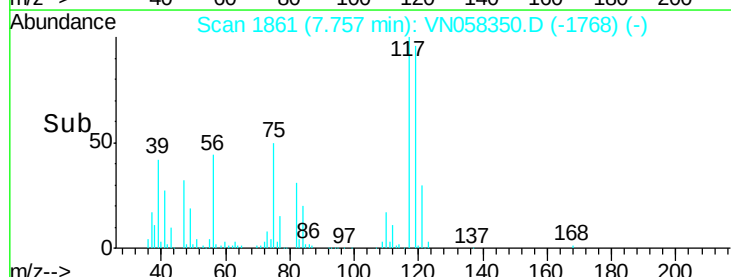
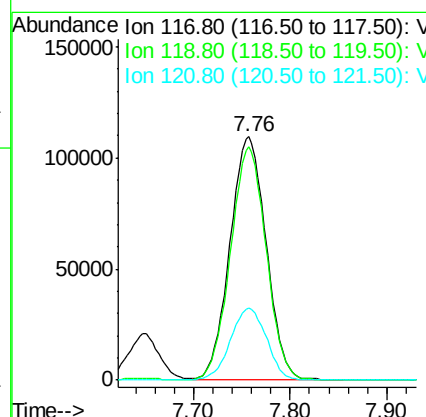
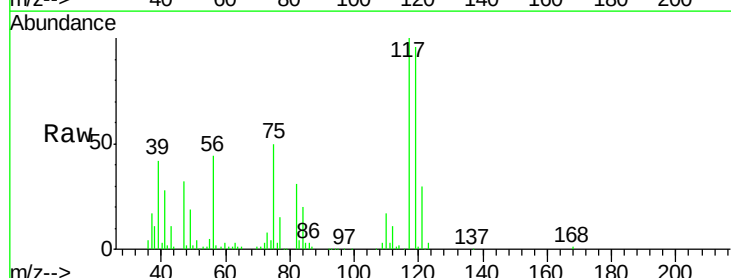
Manual Integrations
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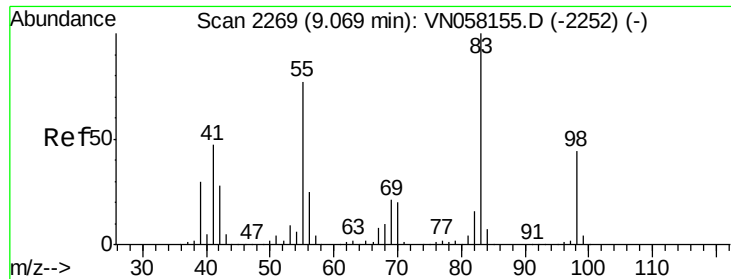
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.839 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion	117	Resp	284968
Ion Ratio	Lower	Upper	
117	100		
119	95.7	78.6	117.8
121	29.6	24.1	36.1





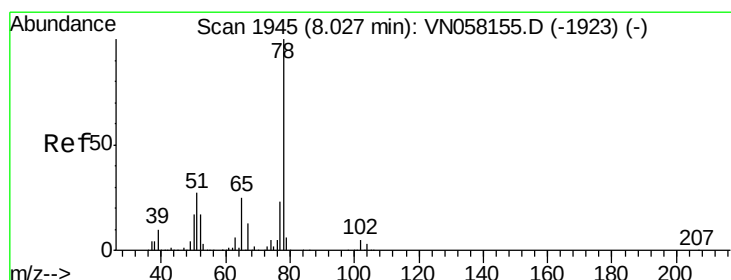
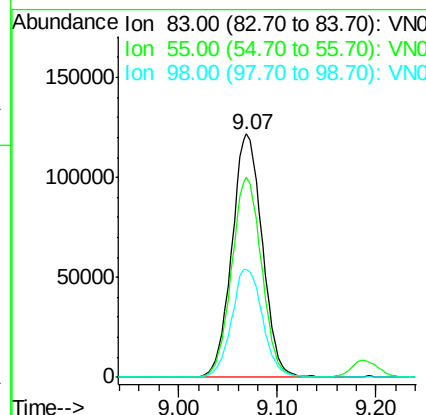
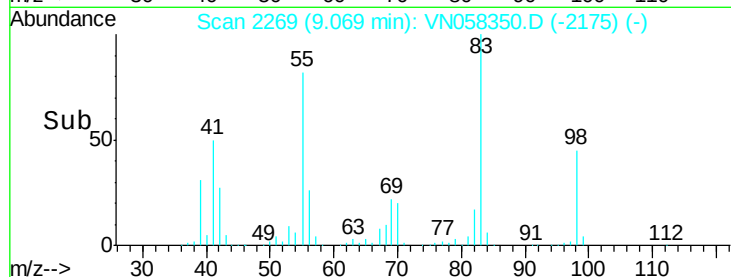
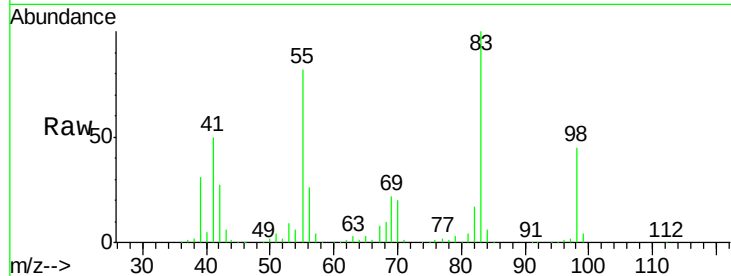
#39
Methylvlcyclohexane
Concen: 47.655 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	262067
Ion Ratio	100	Lower	Upper
83	100		
55	81.9	61.9	92.9
98	44.5	35.4	53.2

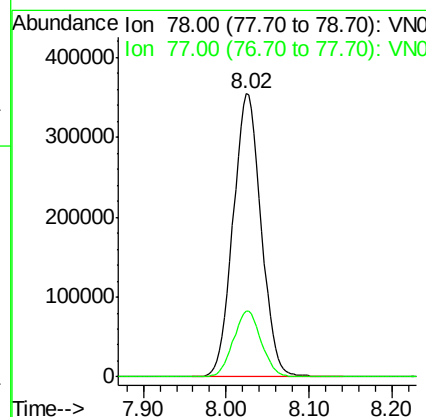
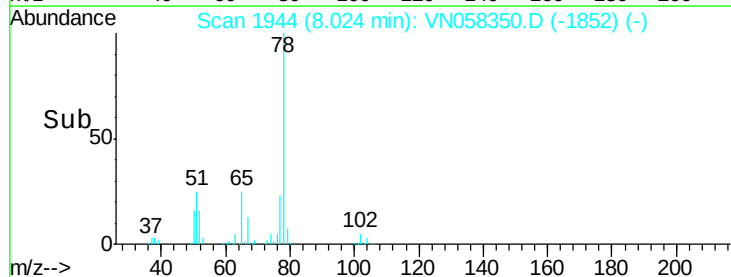
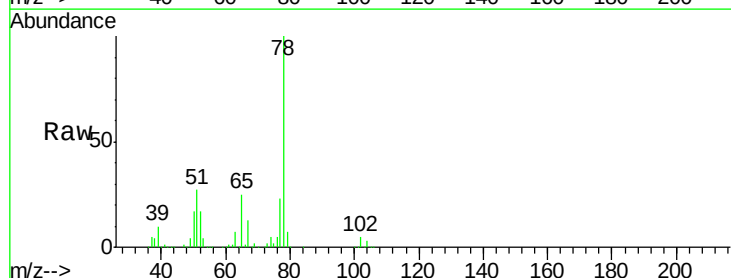
Manual Integrations
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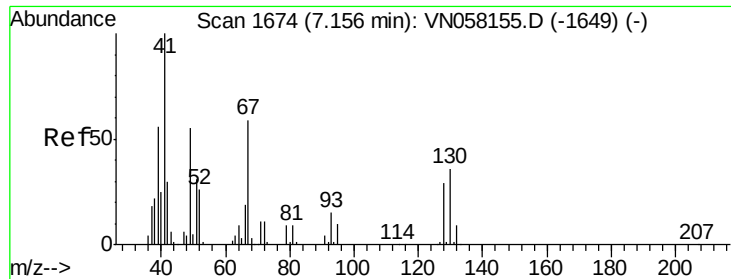
MMDadoda
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#40
Benzene
Concen: 48.119 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion	78	Resp	835986
Ion Ratio	100	Lower	Upper
78	100		
77	23.2	18.8	28.2





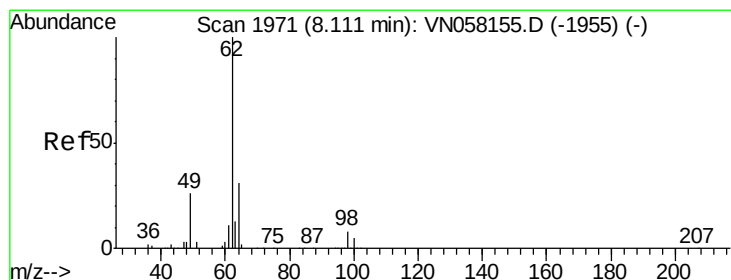
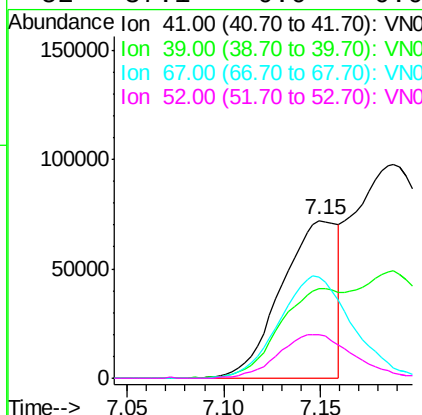
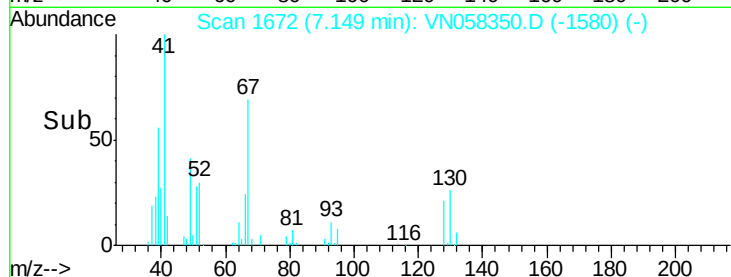
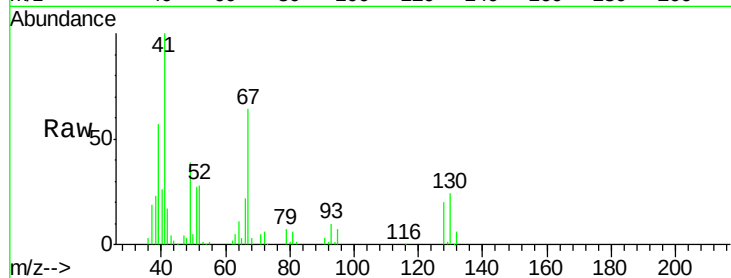
#41
Methacrylonitrile
Concen: 48.863 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.6	0.0	0.0#
67	85.8	0.0	0.0#
52	37.1	0.0	0.0#

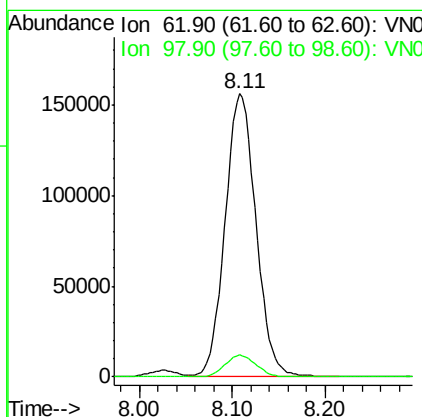
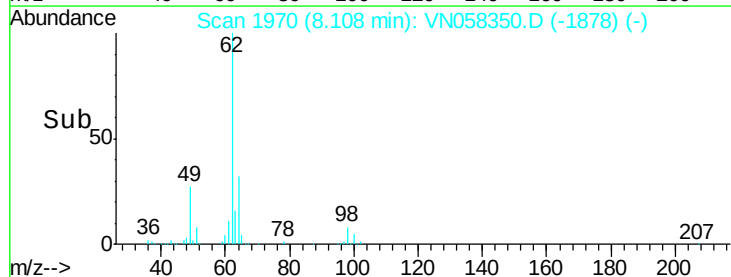
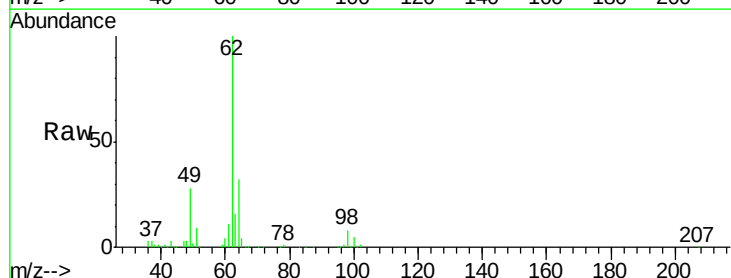
Manual Integrations
APPROVED

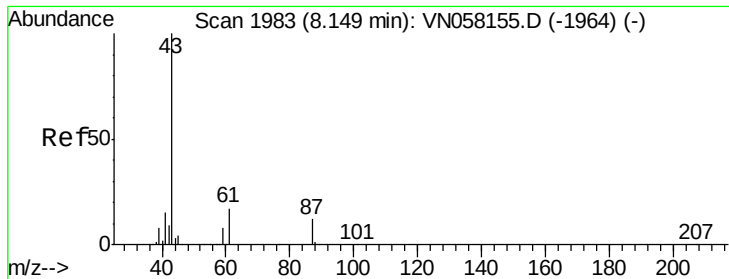
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.396 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.6





#43

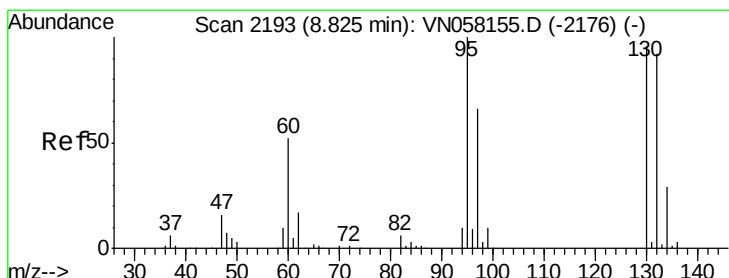
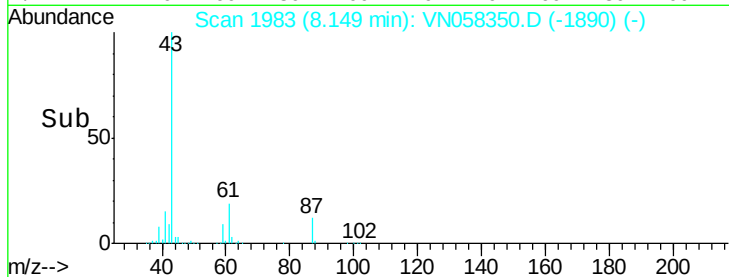
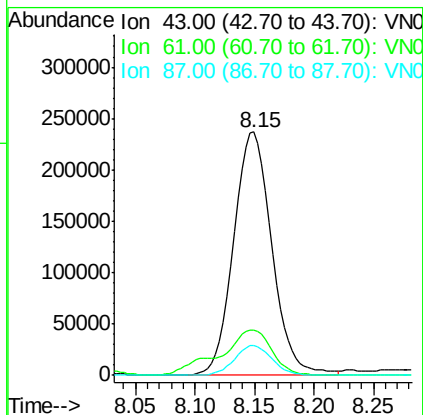
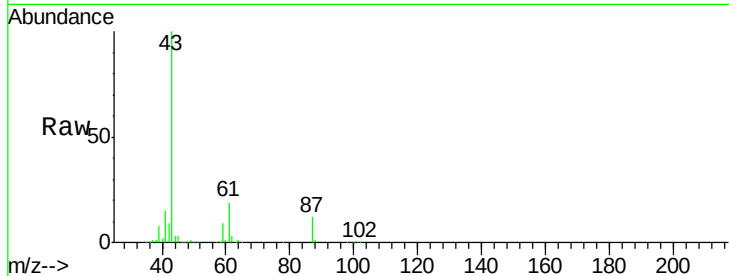
Isopropyl Acetate
 Concen: 47.668 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.2	19.7	29.5
87	12.1	9.4	14.2

Manual Integrations
 APPROVED

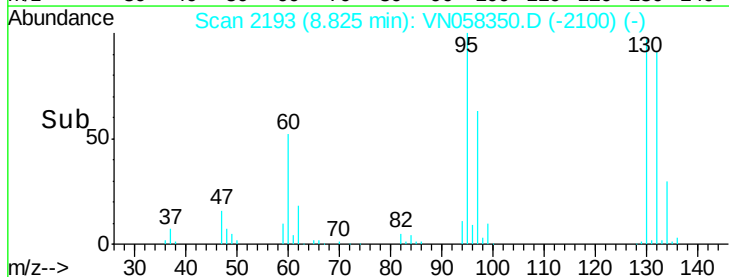
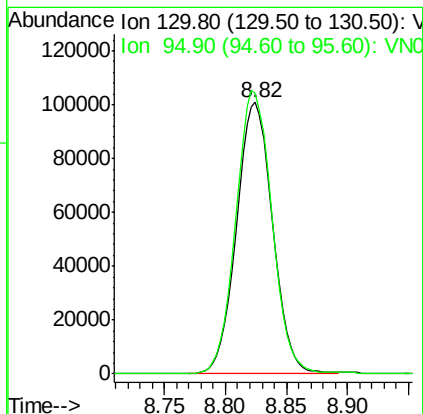
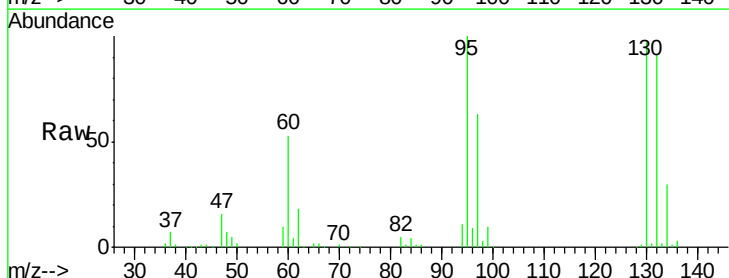
MMDadoda
 9/26/2019 12:59:57 PM

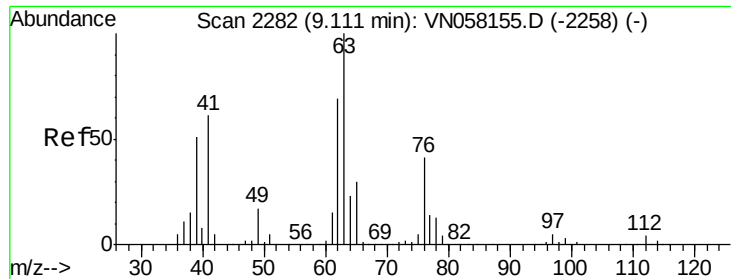


#44

Trichloroethene
 Concen: 48.483 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	207.8





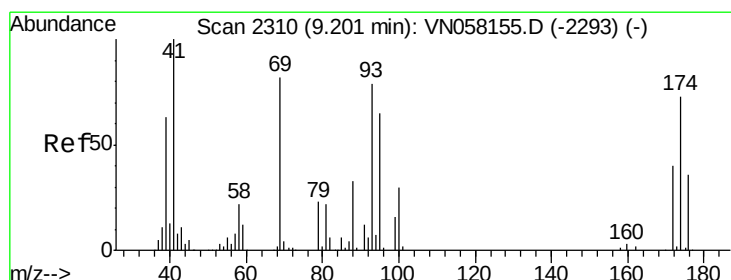
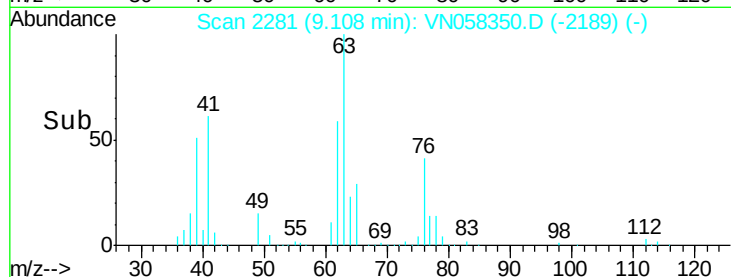
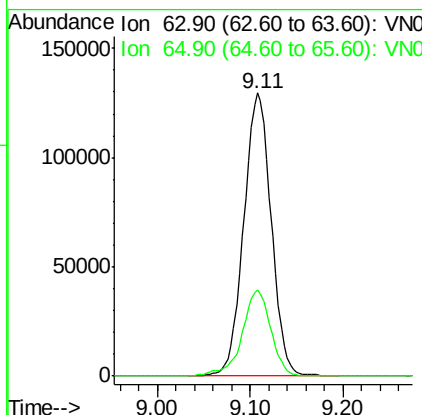
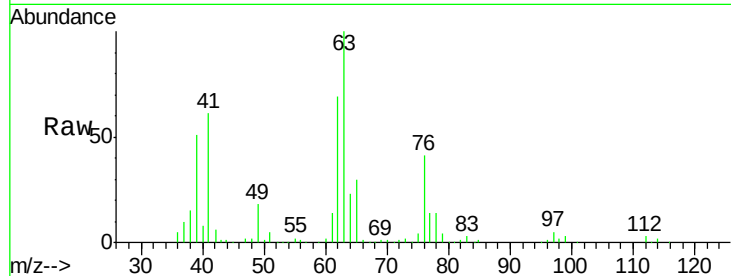
#45
 1,2-Dichloropropane
 Concen: 51.363 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 266490
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.8 35.6

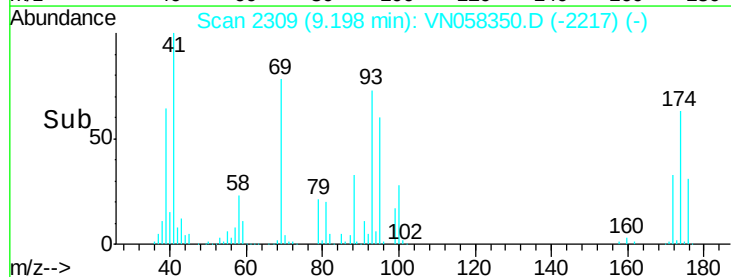
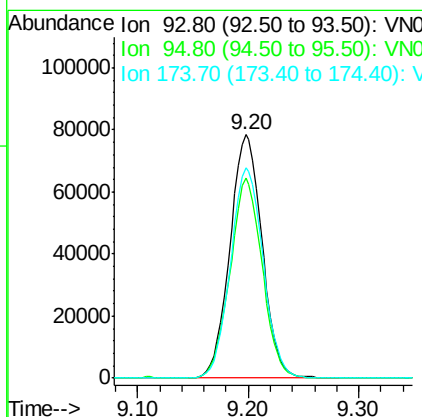
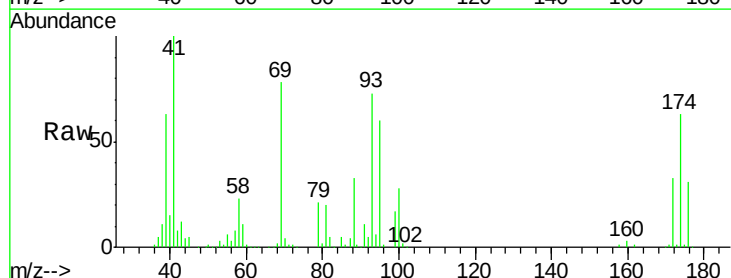
Manual Integrations
 APPROVED

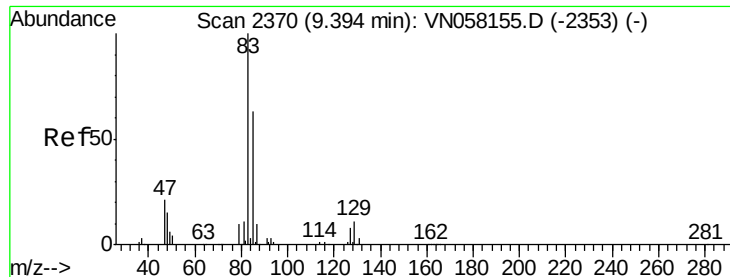
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#46
 Dibromomethane
 Concen: 50.204 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Tgt Ion: 93 Resp: 158365
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.8 100.2
 174 88.1 73.8 110.8





#47

Bromodichloromethane

Concen: 53.894 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

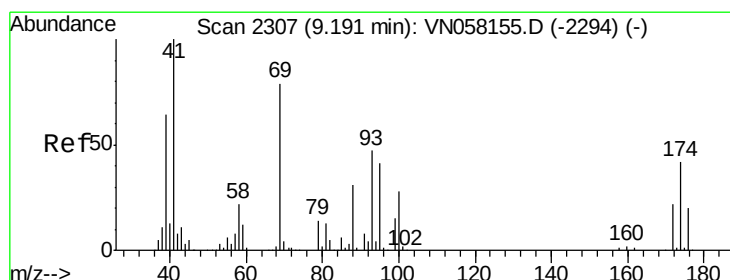
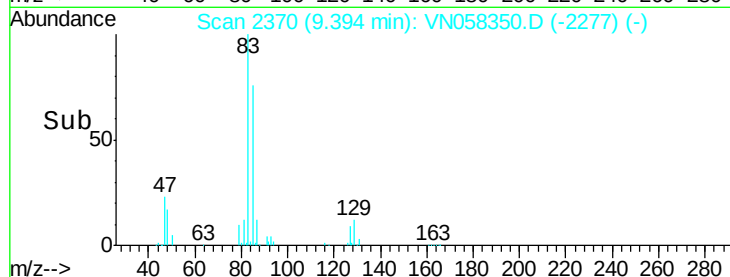
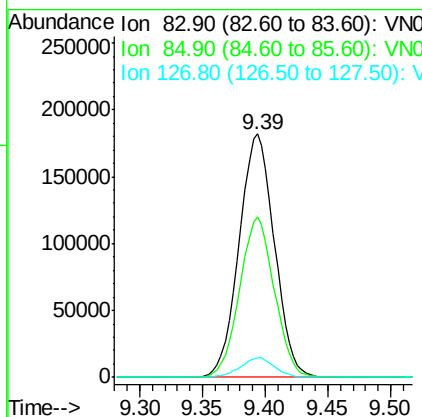
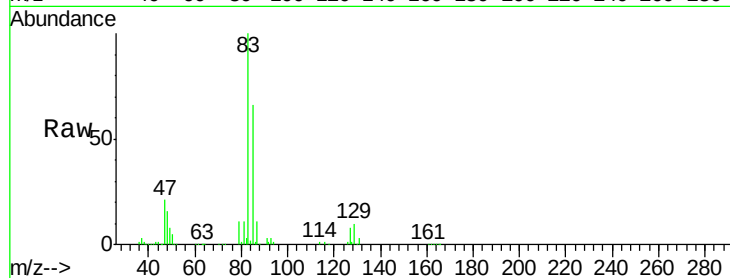
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	356156
Ion Ratio	Lower	Upper	
83	100		
85	65.7	50.1	75.1
127	7.9	6.4	9.6

Manual Integrations
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MMDadoda
9/26/2019 12:59:57 PM



#48

Methyl methacrylate

Concen: 50.851 ug/l

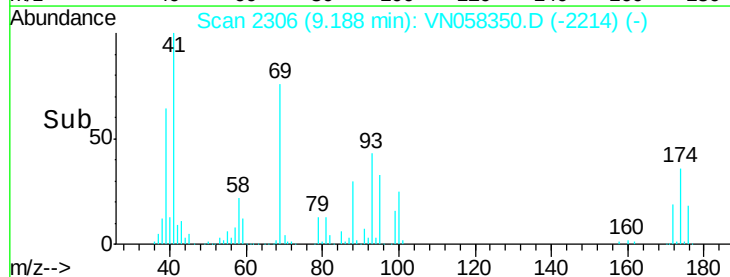
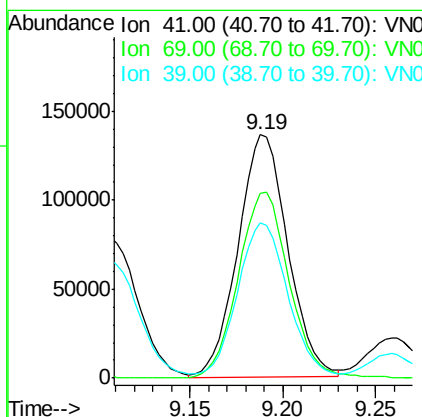
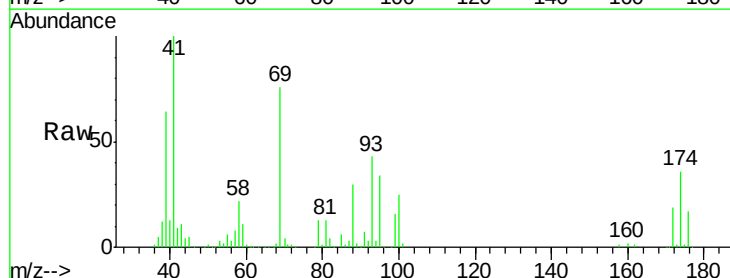
RT: 9.19 min Scan# 2306

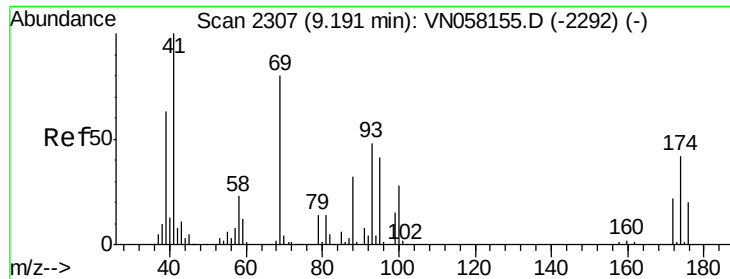
Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Tgt Ion:	41	Resp:	254539
Ion Ratio	Lower	Upper	
41	100		
69	78.6	62.5	93.7
39	65.0	52.3	78.5





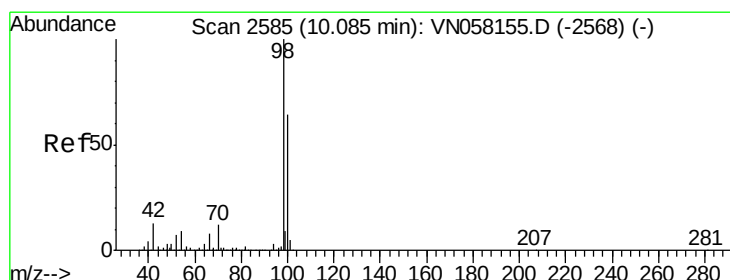
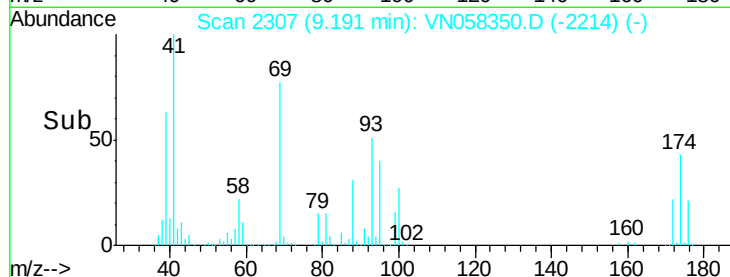
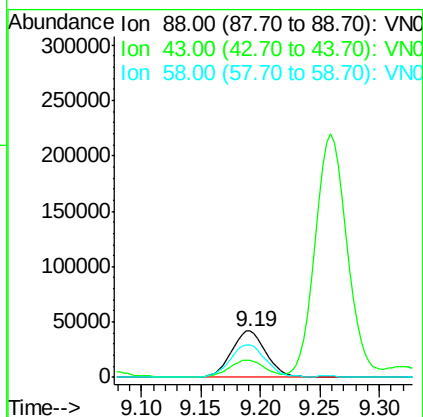
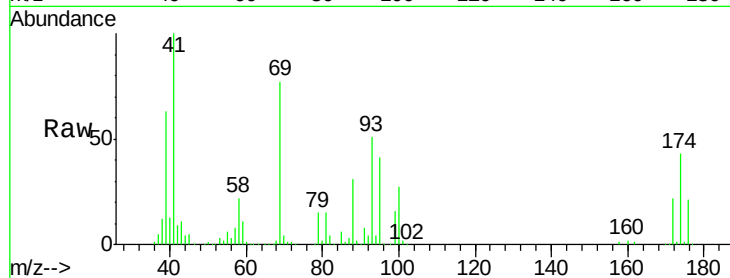
#49
 1,4-Dioxane
 Concen: 1039.775 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	27.8	41.8
58	72.0	55.0	82.4

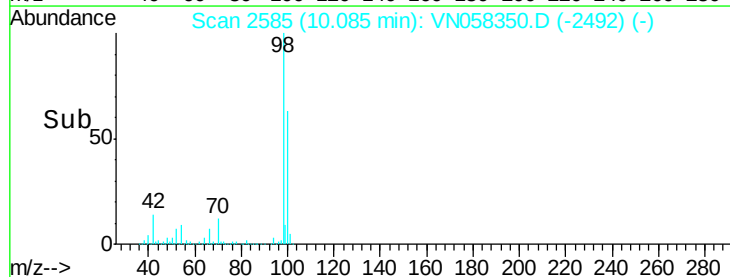
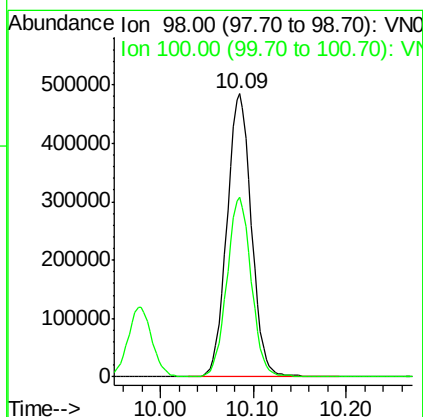
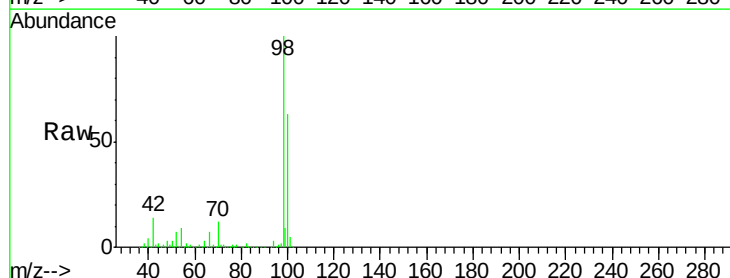
Manual Integrations
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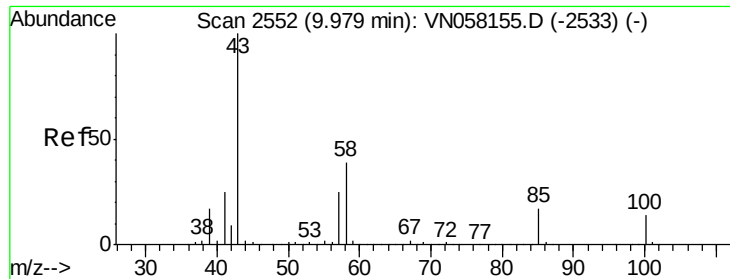
MMDadoda
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#50
 Toluene-d8
 Concen: 47.371 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 277.821 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1626839

Ion Ratio Lower Upper

43 100

58 37.1

30.2

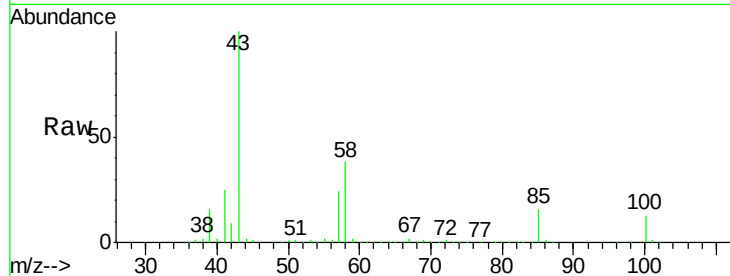
45.4

Manual Integrations

APPROVED

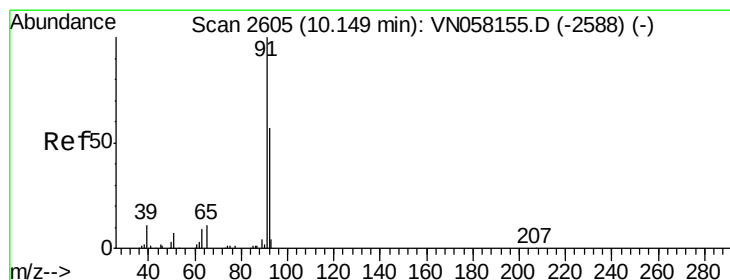
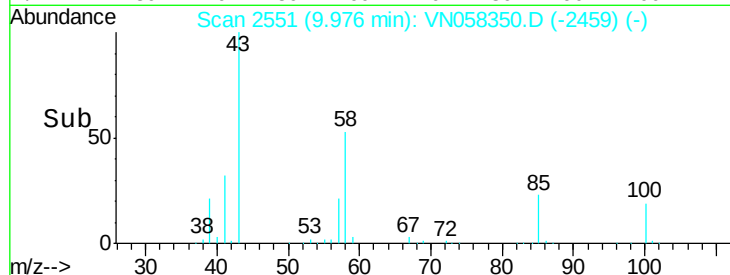
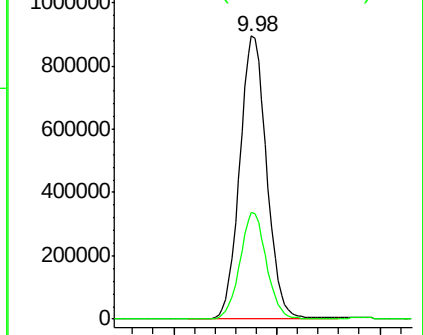
MMDadoda

9/26/2019 12:59:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.603 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Tgt Ion: 92 Resp: 529189

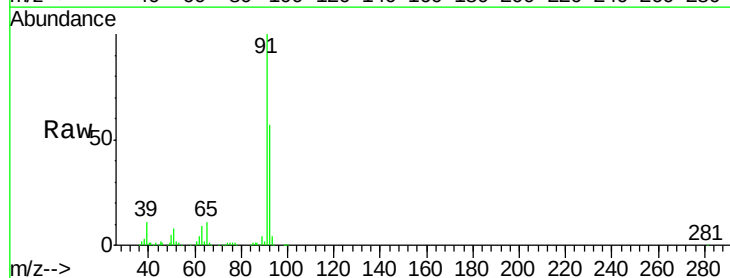
Ion Ratio Lower Upper

92 100

91 177.4

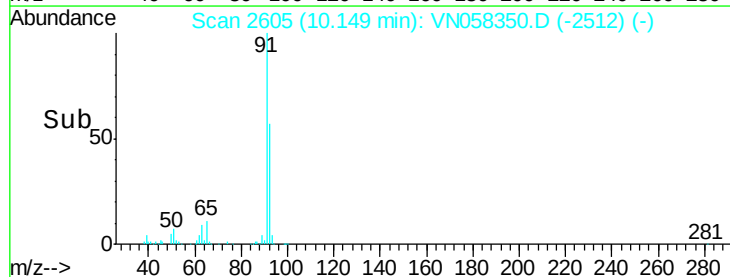
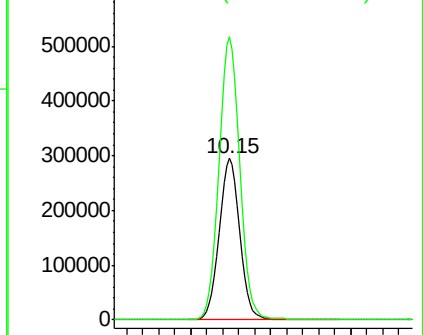
140.2

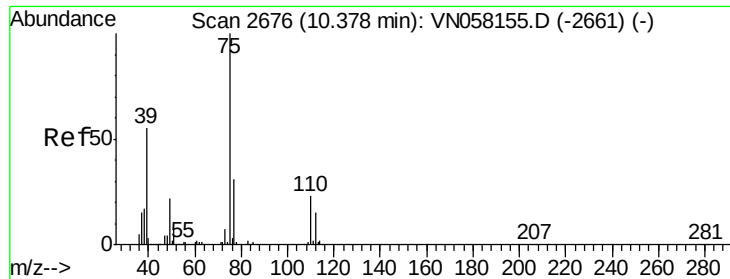
210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





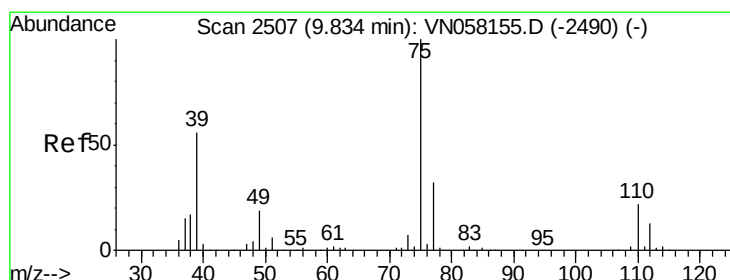
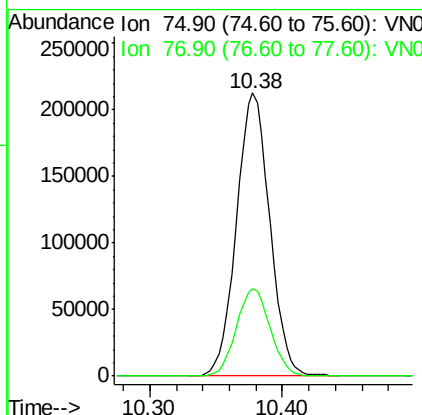
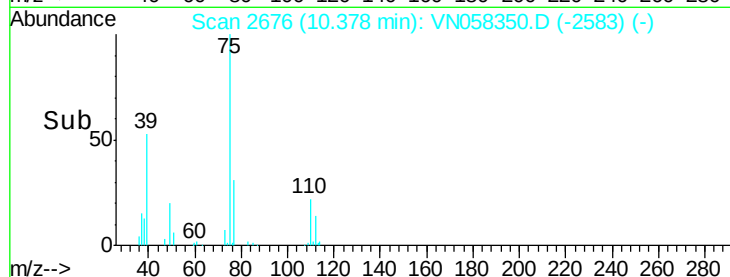
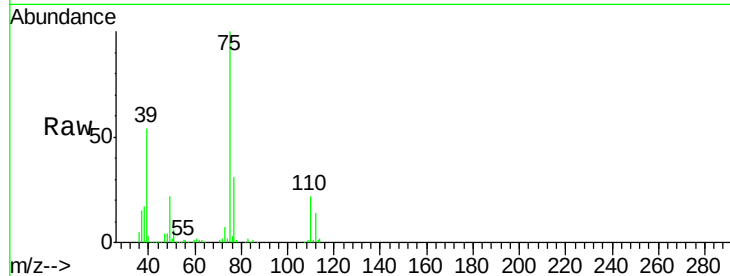
#53
t-1,3-Dichloropropene
Concen: 54.791 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.9	37.3

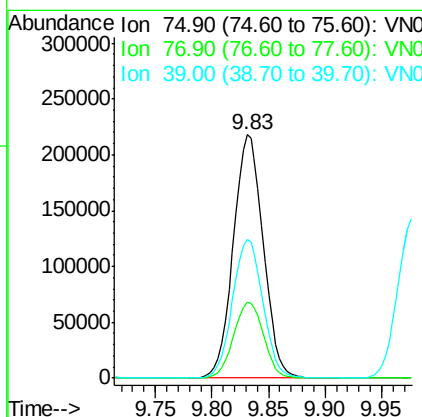
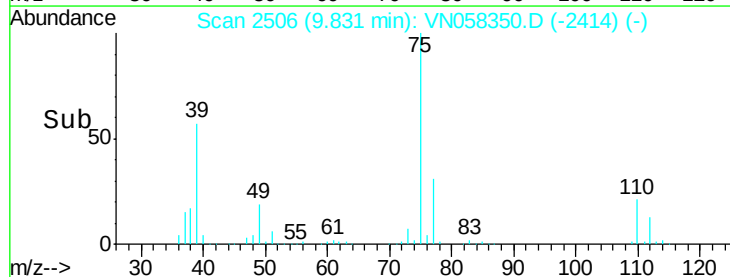
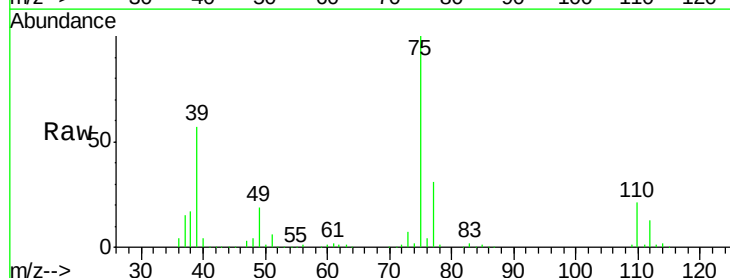
Manual Integrations
APPROVED

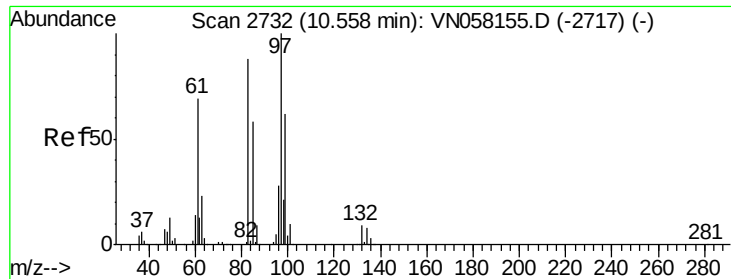
MMDadoda
9/26/2019 12:59:57 PM



#54
cis-1,3-Dichloropropene
Concen: 53.789 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	56.8	45.0	67.6





#55

1,1,2-Trichloroethane

Concen: 52.139 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

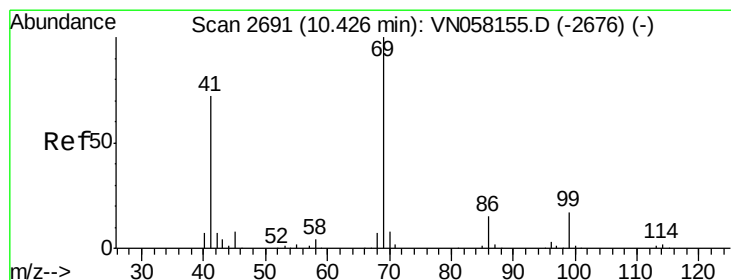
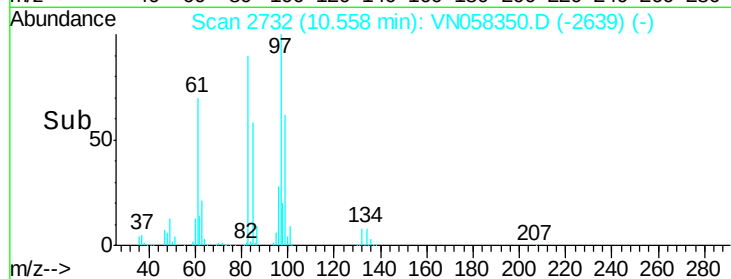
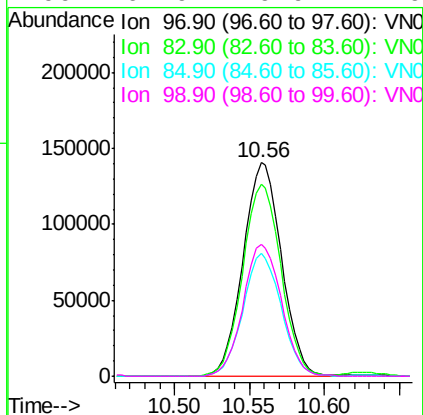
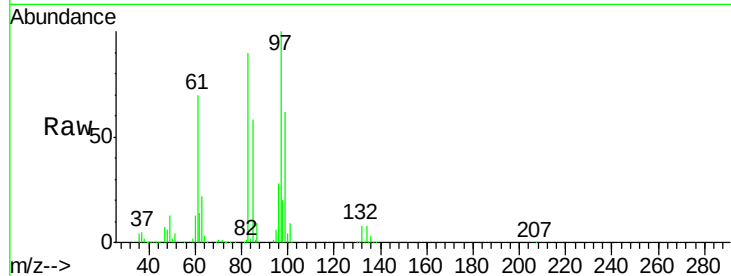
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	251929
Ion	Ratio	Lower	Upper
97	100		
83	89.9	70.4	105.6
85	57.6	46.8	70.2
99	61.9	49.9	74.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 52.810 ug/l

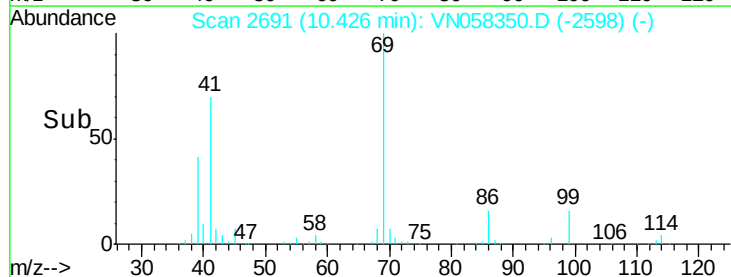
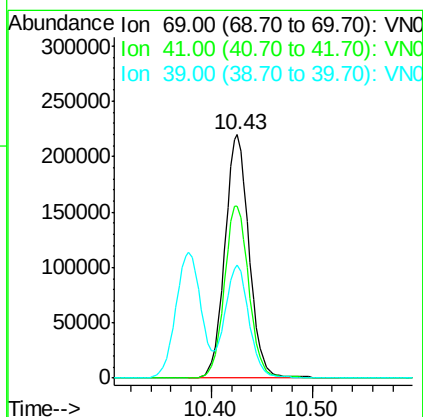
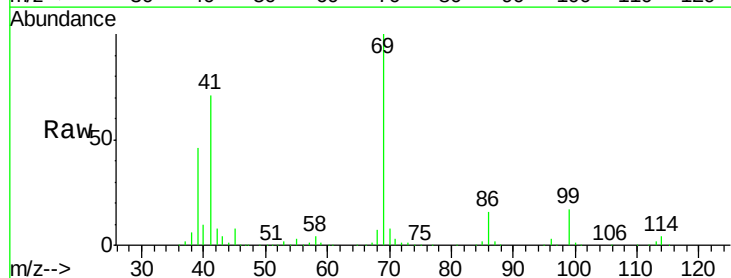
RT: 10.43 min Scan# 2691

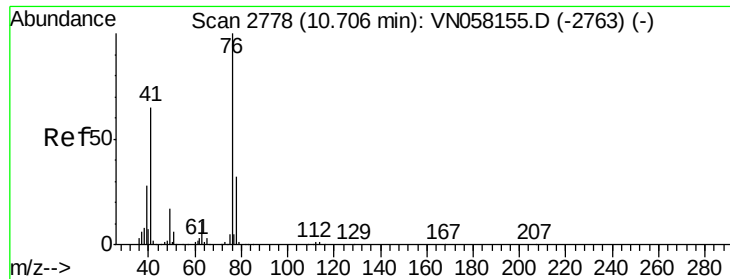
Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Tgt Ion:	69	Resp:	368169
Ion	Ratio	Lower	Upper
69	100		
41	70.7	57.5	86.3
39	45.2	36.1	54.1





#57

1,3-Dichloropropane

Concen: 51.327 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 426348

Ion Ratio Lower Upper

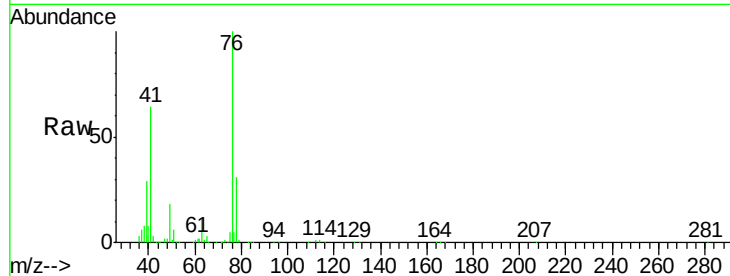
76 100

78 31.5 25.4 38.0

Manual Integrations
APPROVED

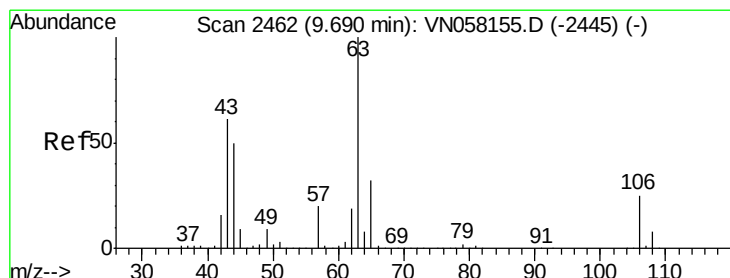
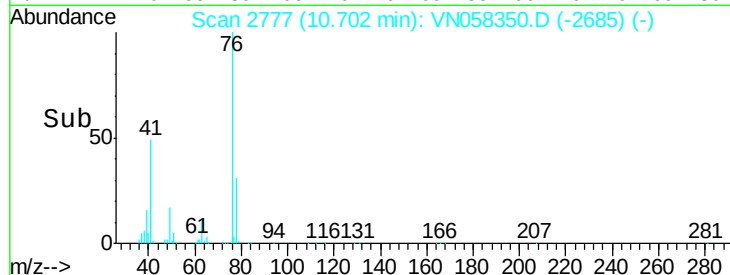
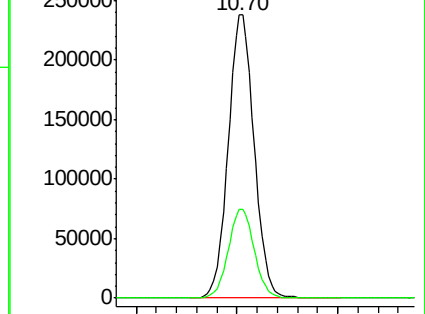
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 266.626 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058350.D

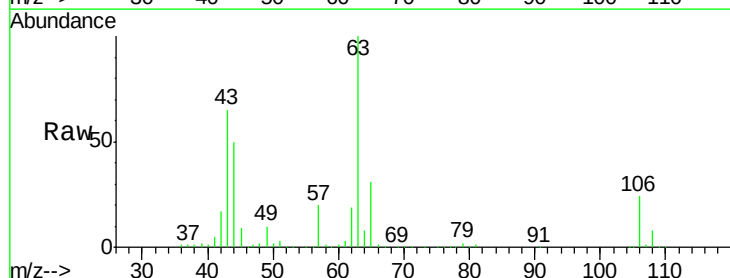
Acq: 25 Sep 2019 8:43

Tgt Ion: 63 Resp: 885396

Ion Ratio Lower Upper

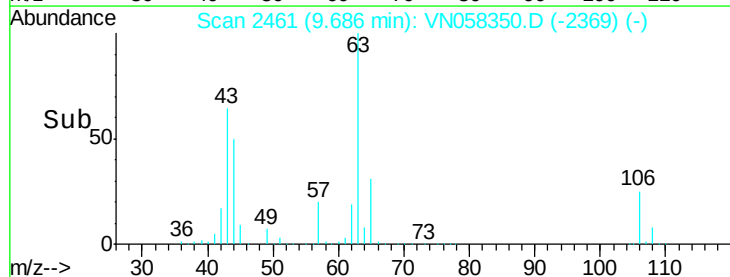
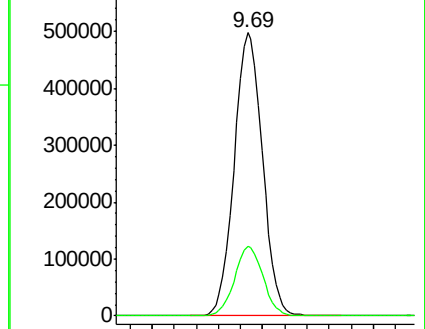
63 100

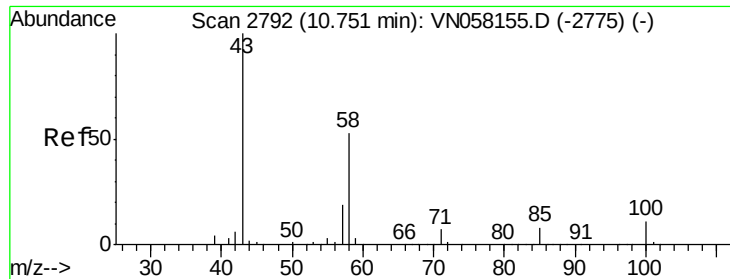
106 24.6 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





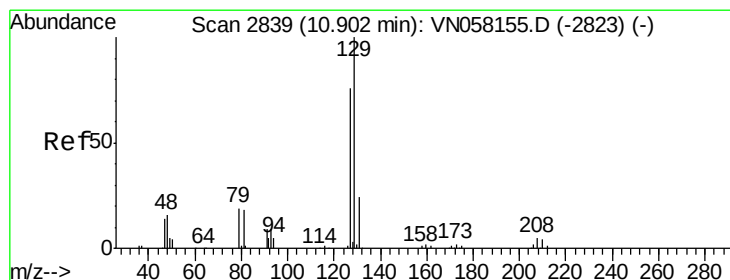
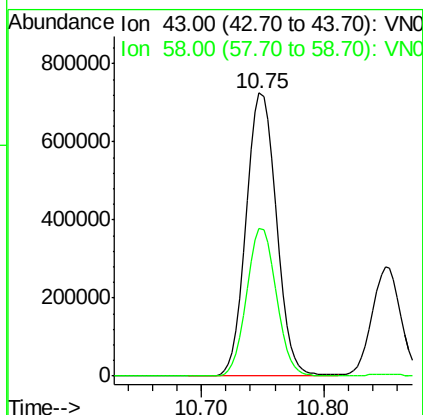
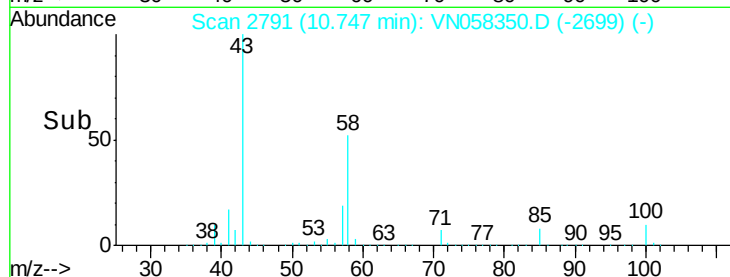
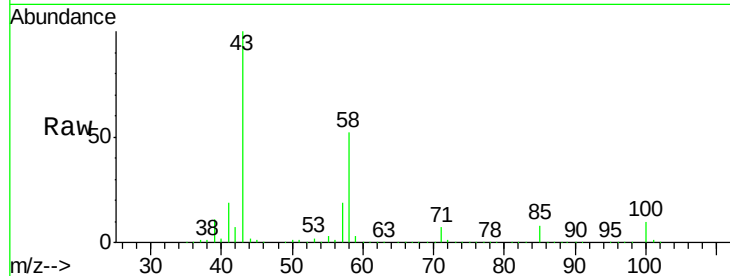
#59
2-Hexanone
Concen: 284.668 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1238014
Ion Ratio Lower Upper
43 100
58 51.2 26.0 78.0

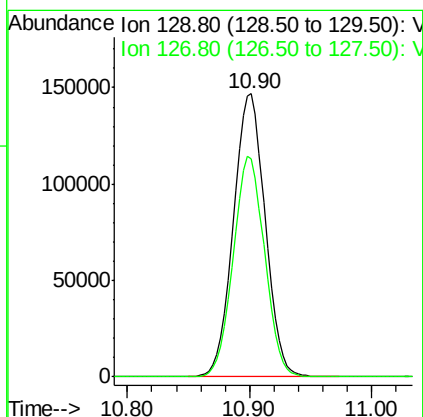
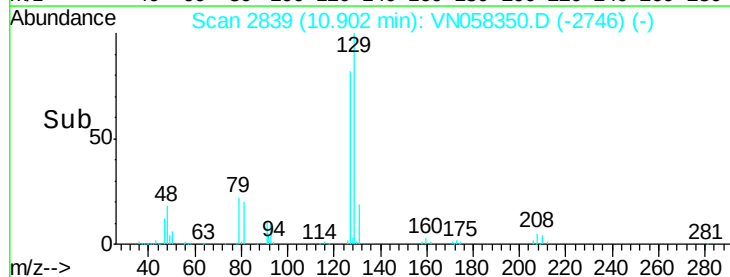
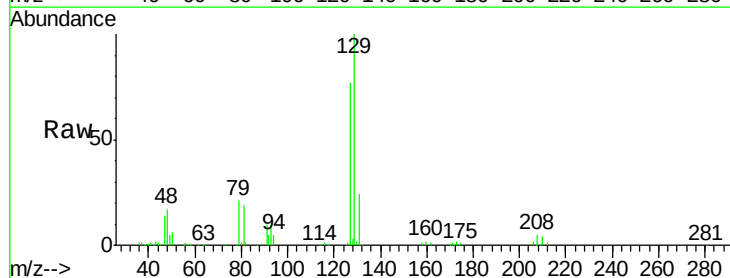
Manual Integrations
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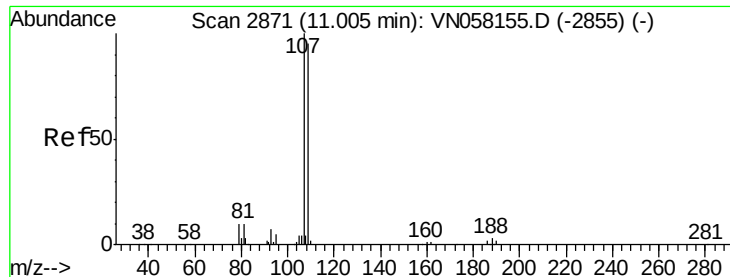
MMDadoda
9/26/2019 12:59:57 PM



#60
Dibromochloromethane
Concen: 57.004 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion: 129 Resp: 264984
Ion Ratio Lower Upper
129 100
127 76.9 38.7 116.1





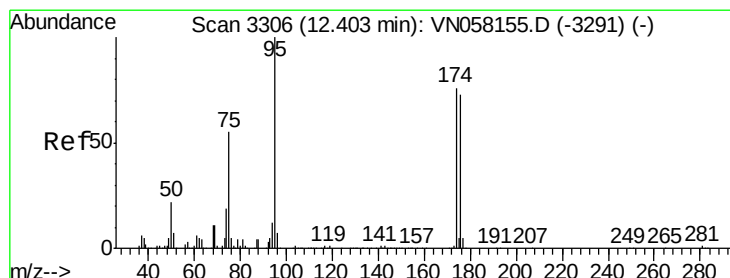
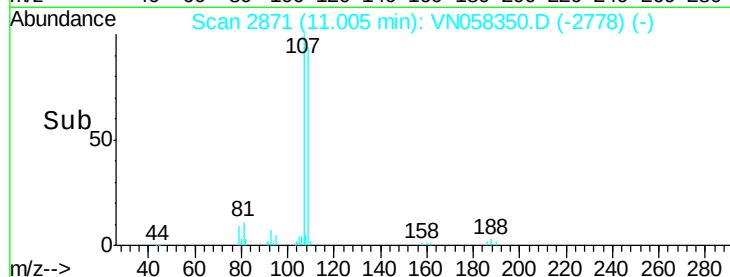
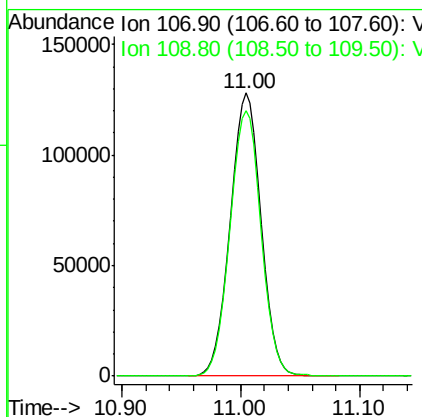
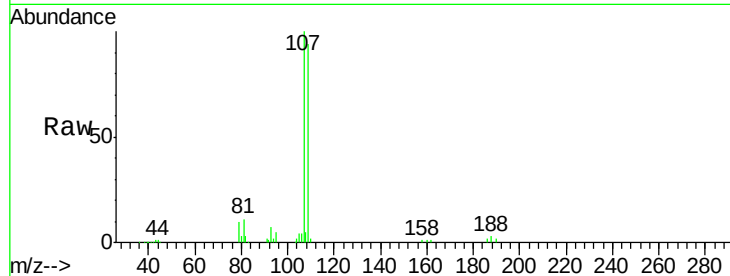
#61
 1,2-Dibromoethane
 Concen: 51.188 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	229212		
109	95.1	75.4	113.2	

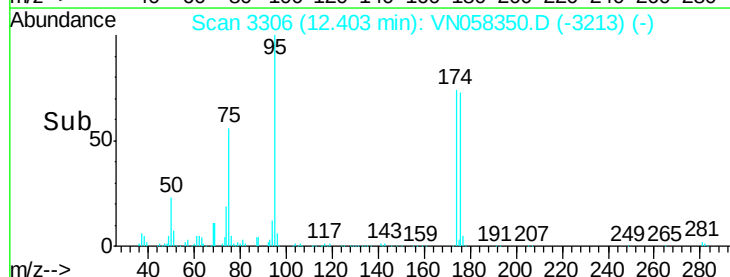
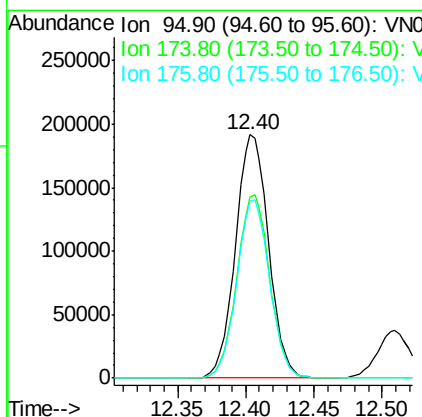
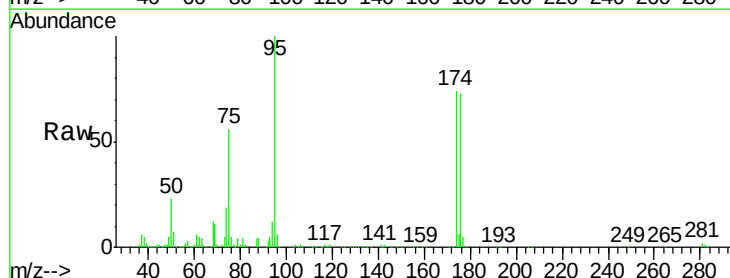
Manual Integrations
 APPROVED

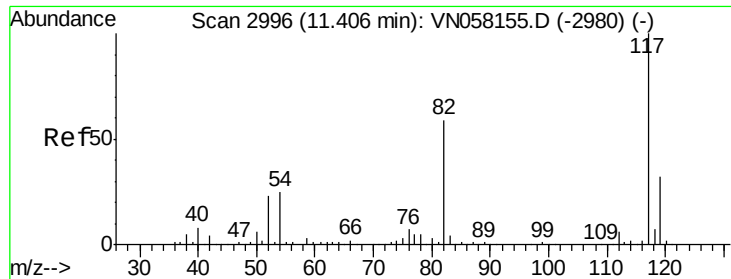
MMDadoda
 9/26/2019 12:59:57 PM



#62
 4-Bromofluorobenzene
 Concen: 46.422 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	322157		
174	75.0	0.0	152.2	
176	72.8	0.0	148.0	





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

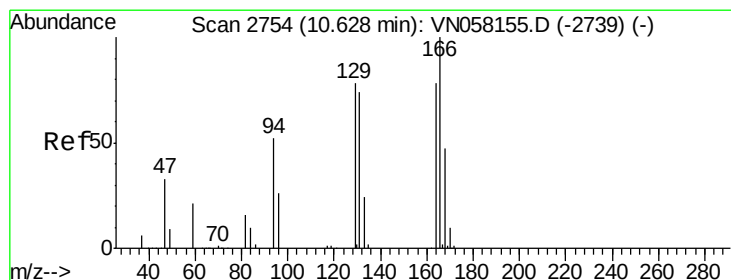
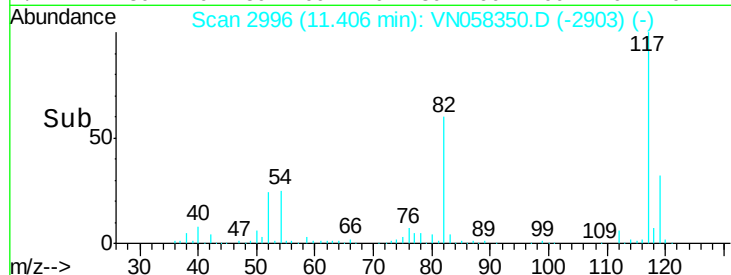
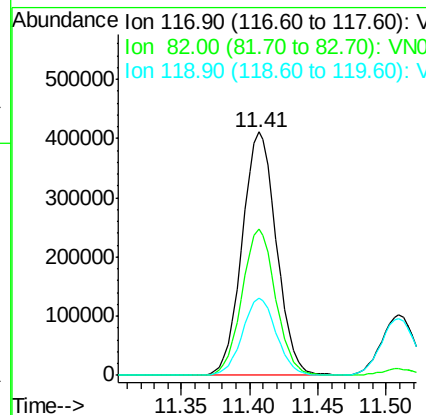
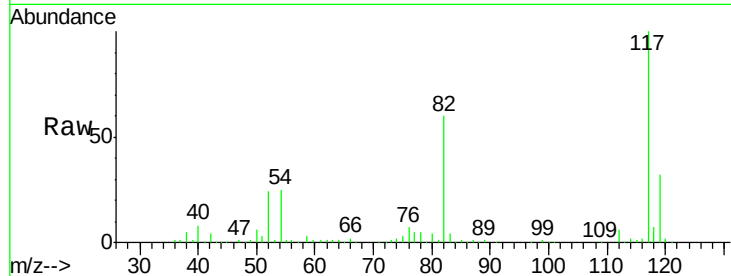
ClientSampled :

VSTDCCC050

Tot Ion:	117	Resp:	716634
Ion Ratio	Lower	Upper	
117	100		
82	60.0	46.9	70.3
119	31.7	25.3	37.9

Manual Integrations
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#64

Tetrachloroethene

Concen: 47.055 ug/l

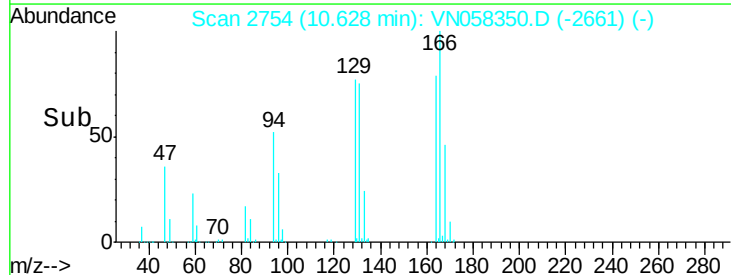
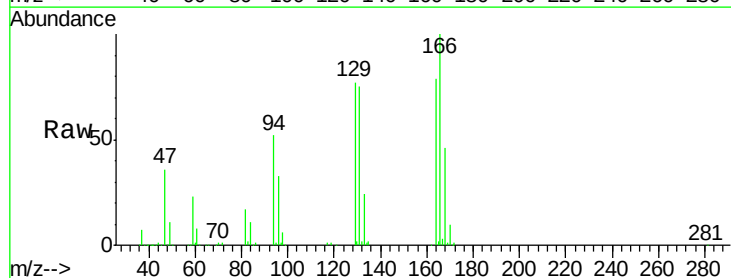
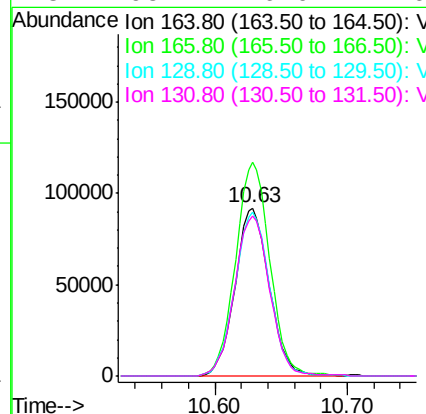
RT: 10.63 min Scan# 2754

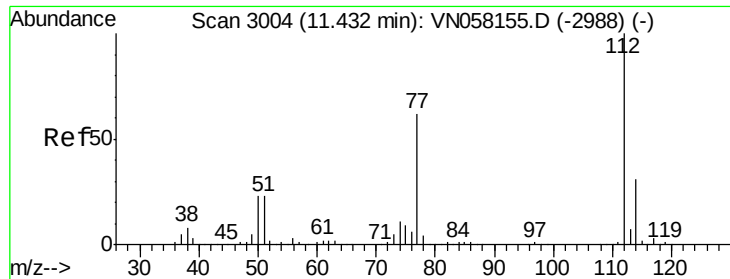
Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Tgt Ion:	164	Resp:	164383
Ion Ratio	Lower	Upper	
164	100		
166	127.3	102.2	153.4
129	97.7	79.6	119.4
131	95.2	76.0	114.0





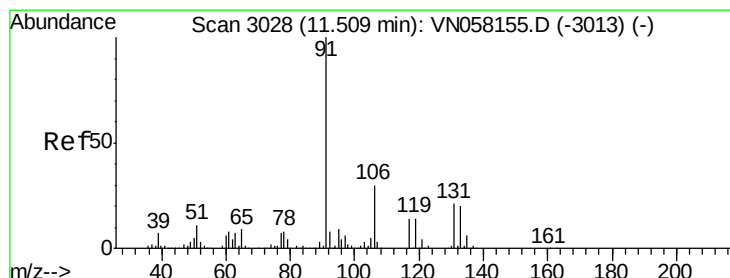
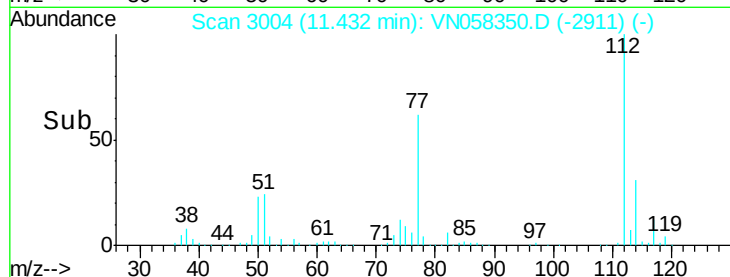
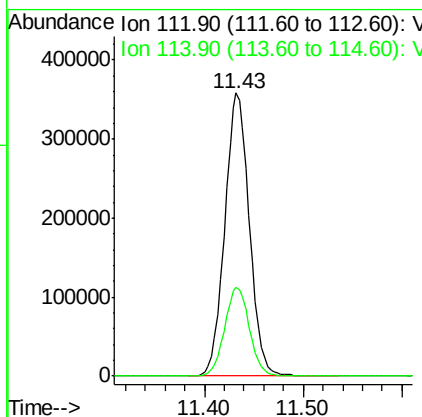
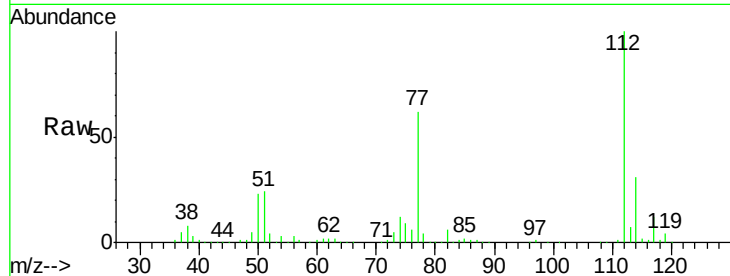
#65
Chlorobenzene
Concen: 49.423 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 622977
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7

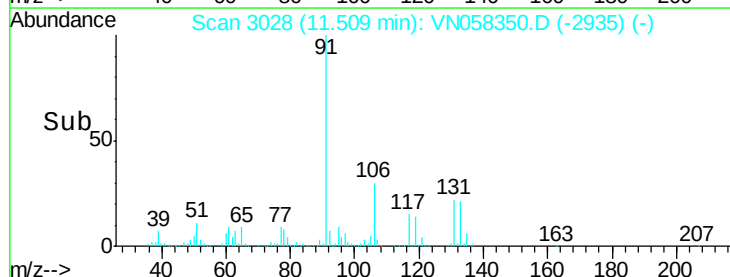
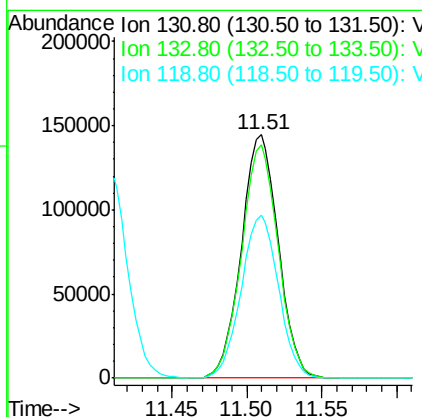
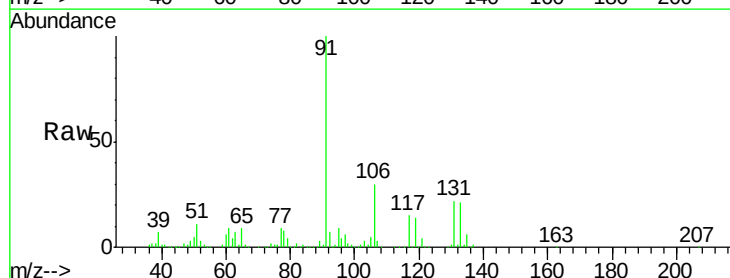
Manual Integrations
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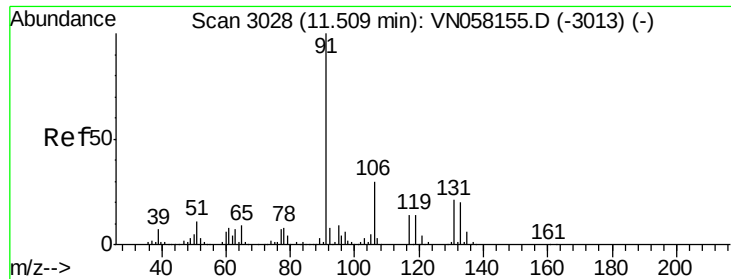
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.332 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion:131 Resp: 248331
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 67.6 33.1 99.3





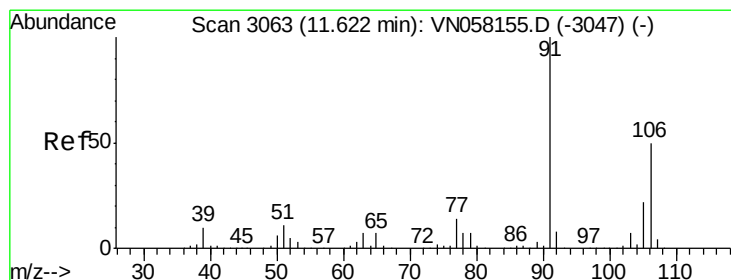
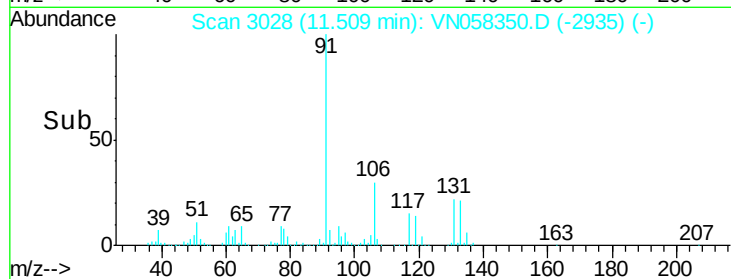
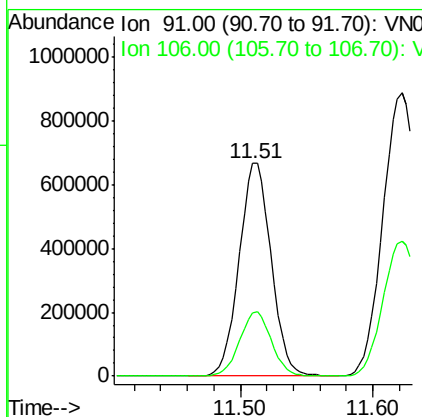
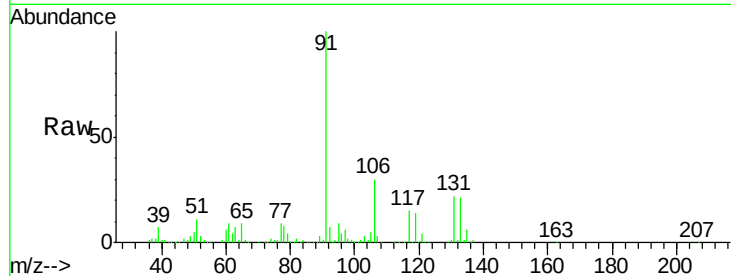
#67
Ethyl Benzene
Concen: 51.820 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1119241
Ion Ratio Lower Upper
91 100
106 29.9 24.0 36.0

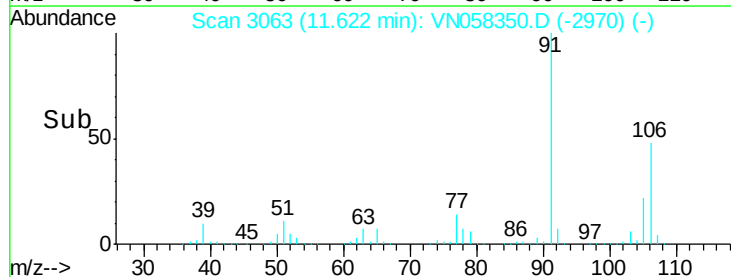
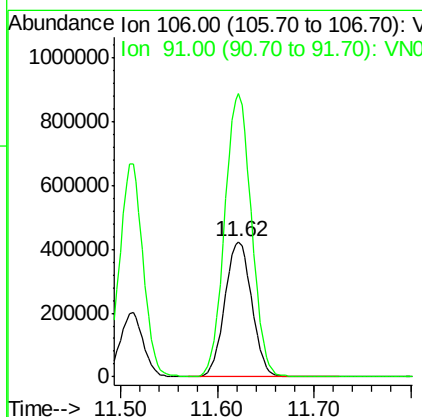
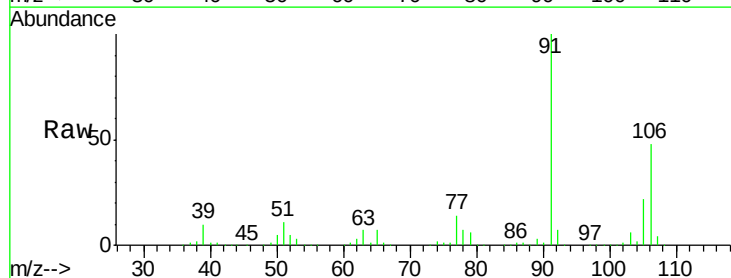
Manual Integrations
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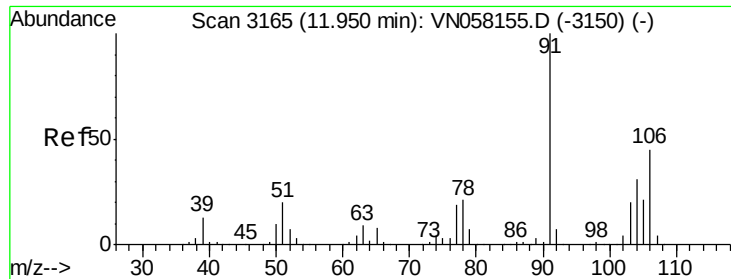
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9/26/2019 12:59:57 PM



#68
m/p-Xylenes
Concen: 100.685 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion: 106 Resp: 819048
Ion Ratio Lower Upper
106 100
91 207.6 163.6 245.4





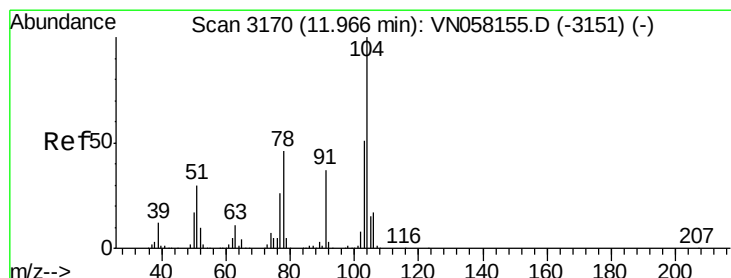
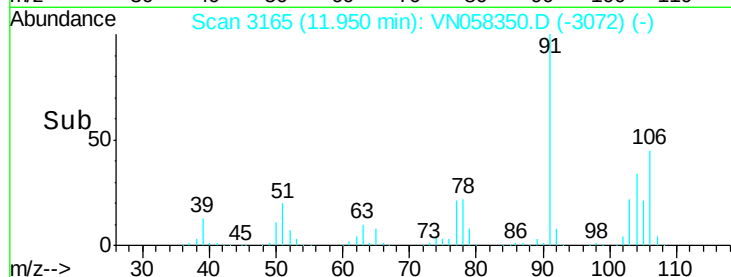
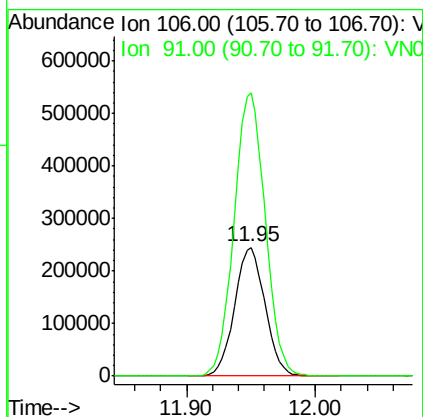
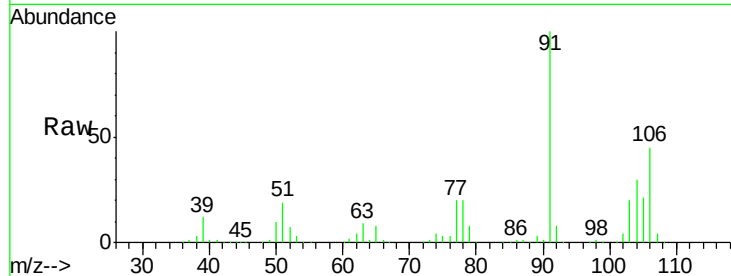
#69
o-Xylene
Concen: 50.258 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		402000		
91	225.3	111.8	335.3		

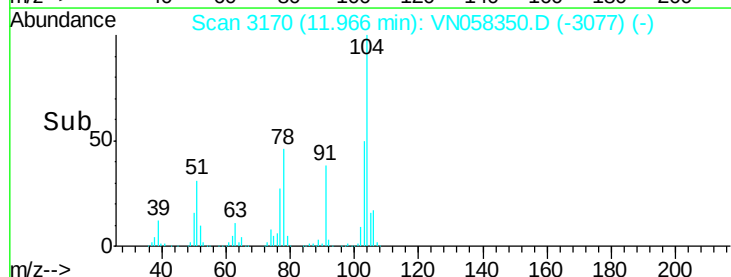
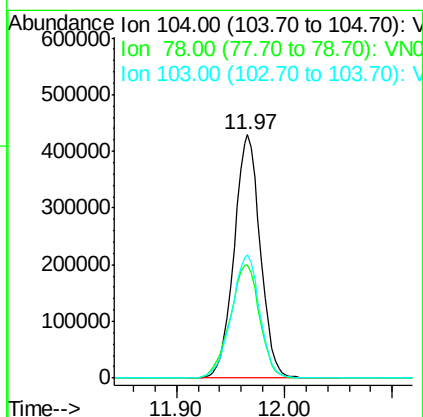
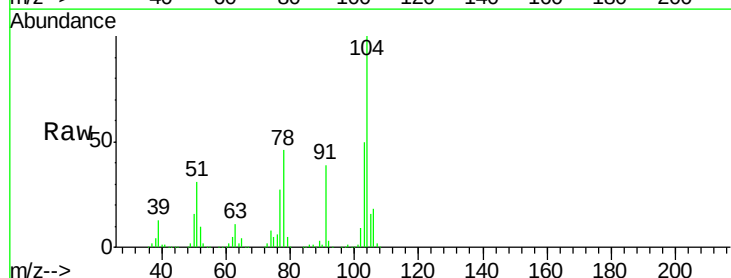
Manual Integrations
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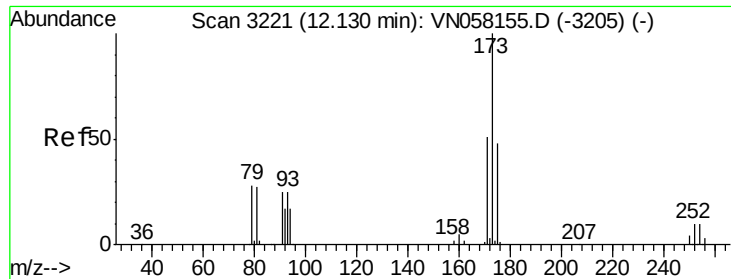
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#70
Styrene
Concen: 52.714 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		726492		
78	52.4	41.8	62.8		
103	54.6	44.2	66.2		





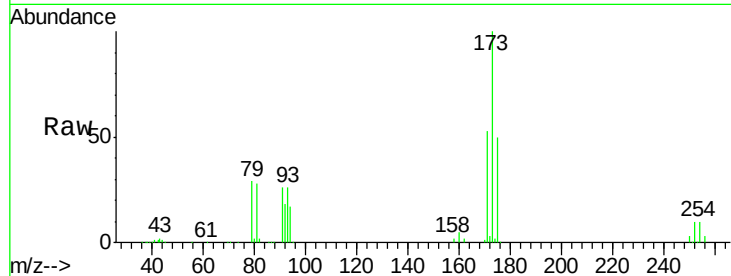
#71
Bromoform
Concen: 48.368 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

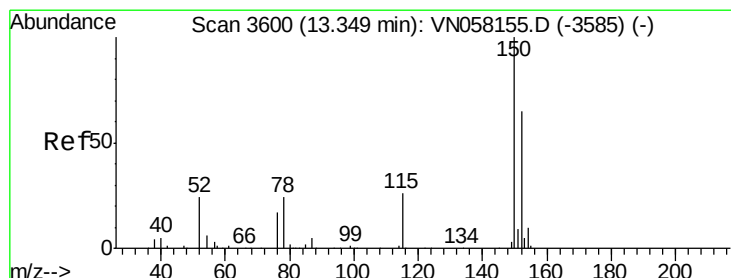
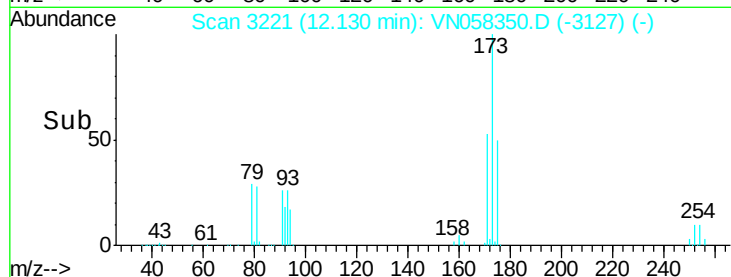
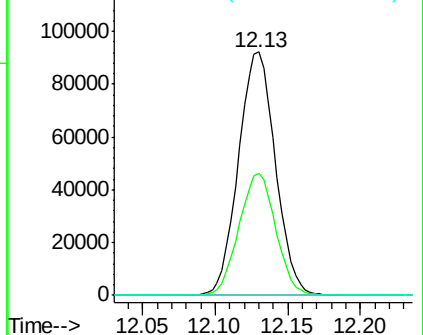
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.2	72.6
254	0.0	0.1	0.1#

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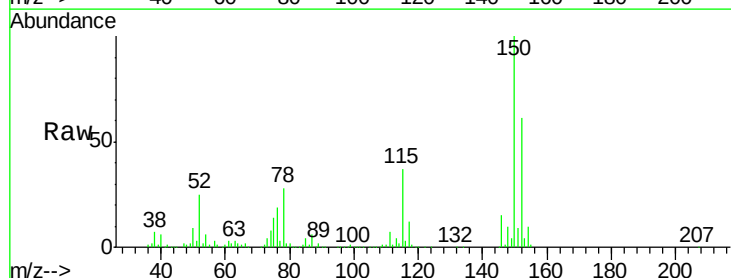


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

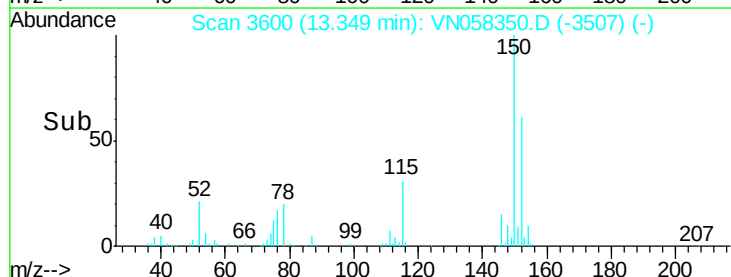
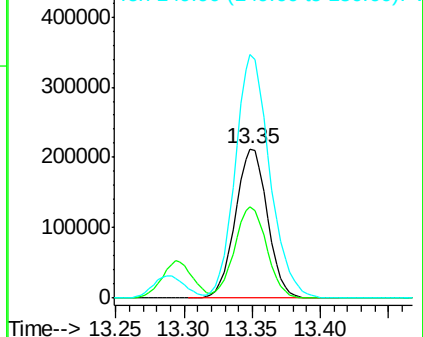


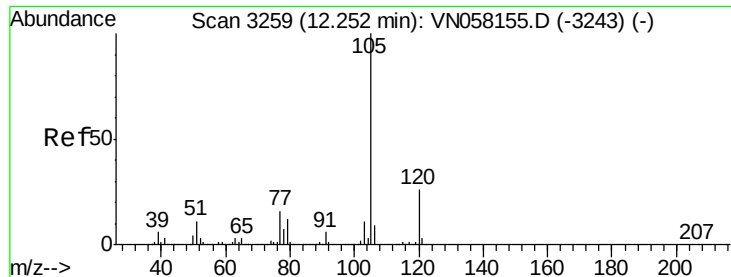
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.1	90.3
150	175.6	0.0	346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.033 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1170861

Ion Ratio Lower Upper

105 100

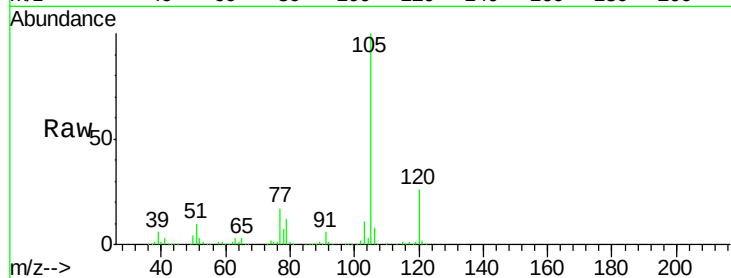
120 25.9 12.8 38.3

Manual Integrations

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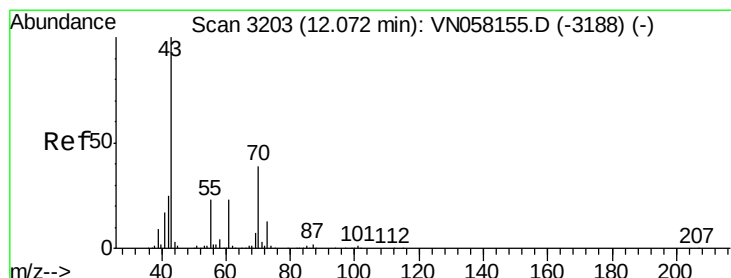
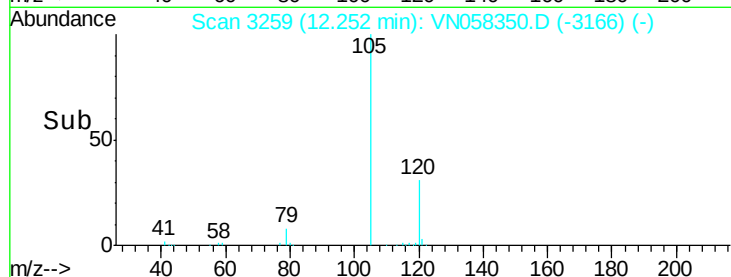
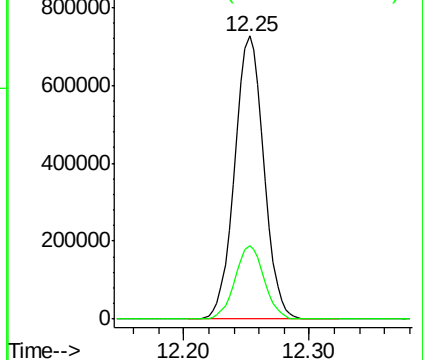
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.160 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Tgt Ion: 43 Resp: 490968

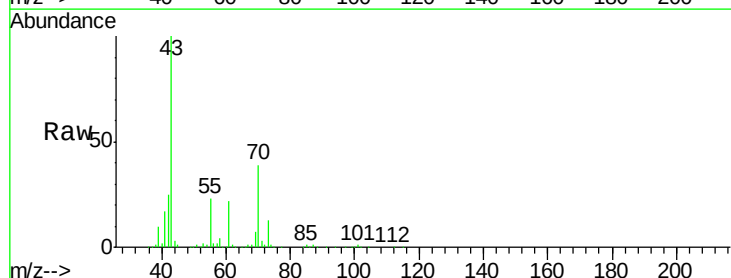
Ion Ratio Lower Upper

43 100

70 38.8 31.0 46.6

55 23.5 18.5 27.7

61 22.5 18.2 27.2

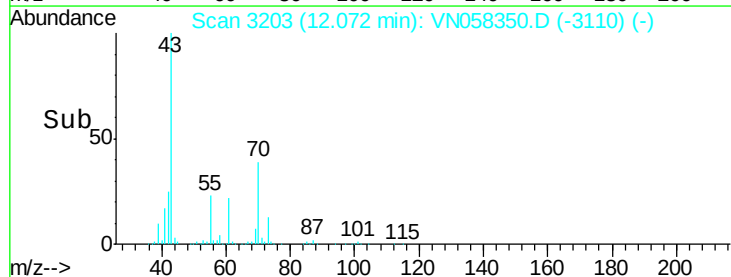
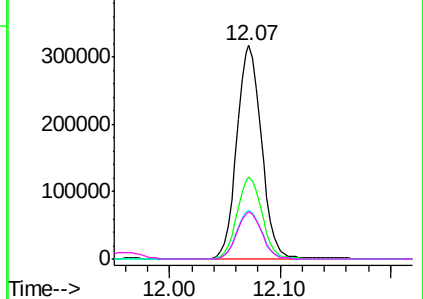


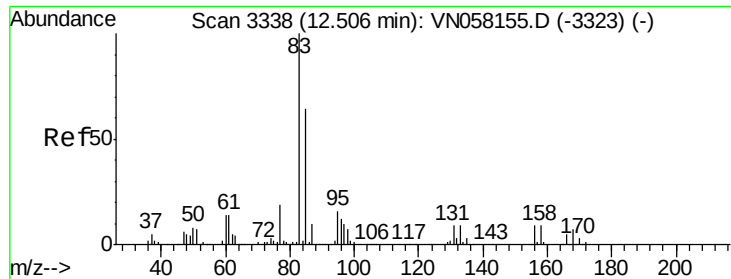
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.486 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

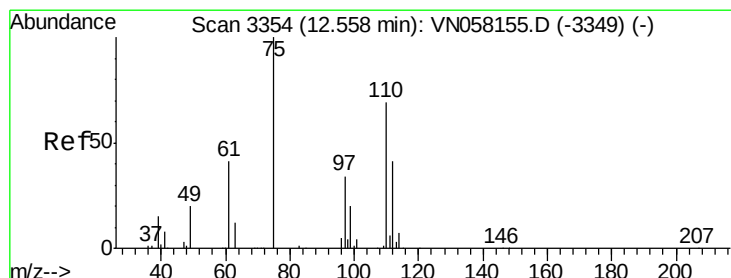
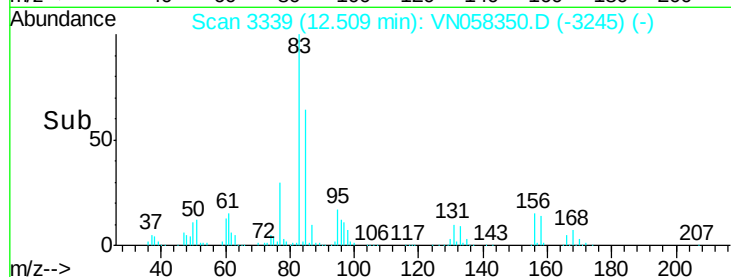
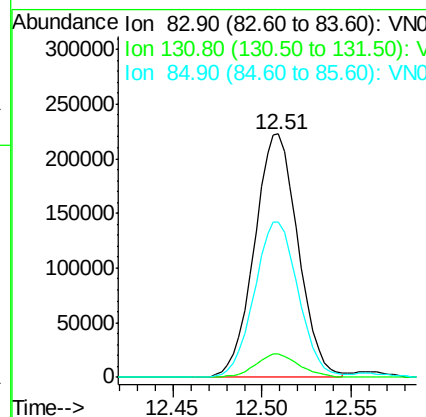
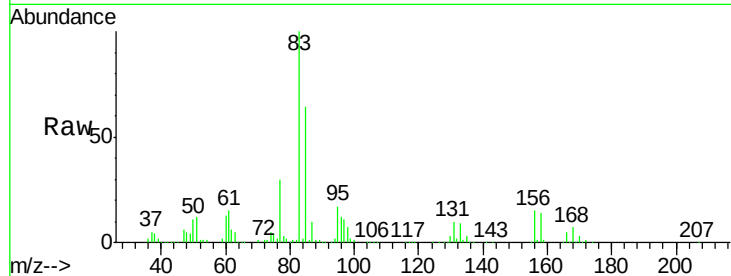
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	380870
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.3
85	64.2	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.379 ug/l m

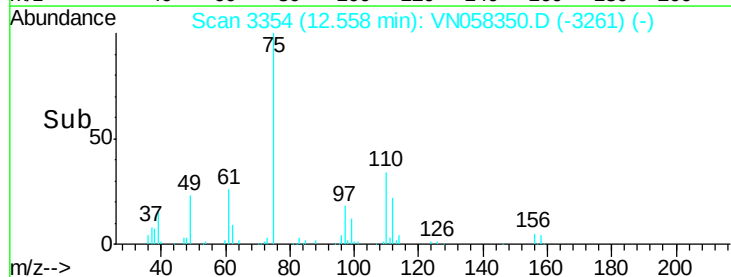
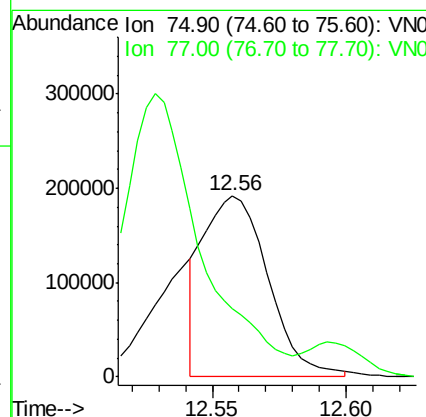
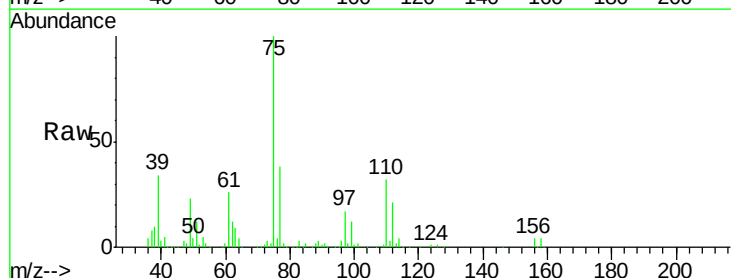
RT: 12.56 min Scan# 3354

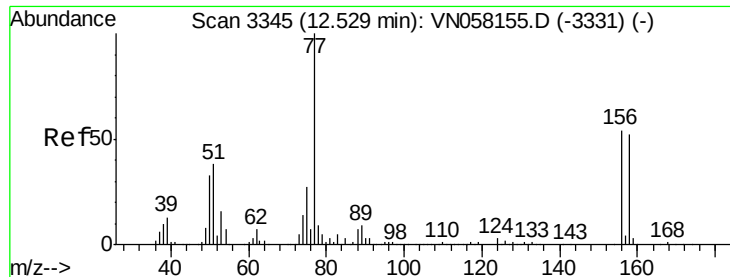
Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Tgt Ion:	75	Resp:	324524
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.284 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

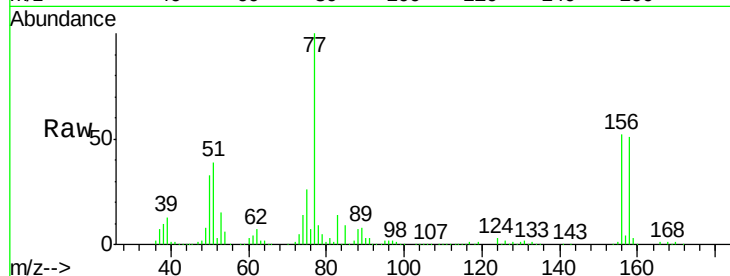
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	227.6	111.7	335.1
158	97.4	47.9	143.8

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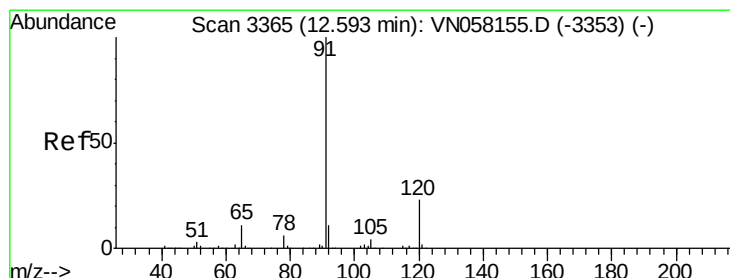
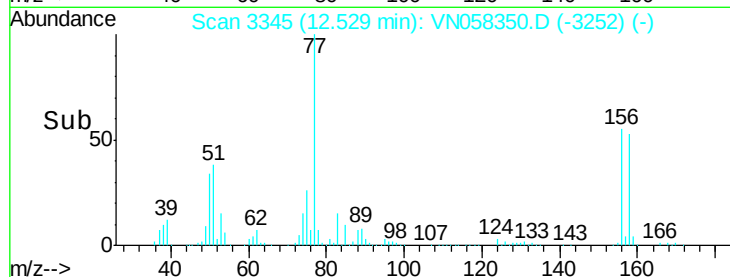
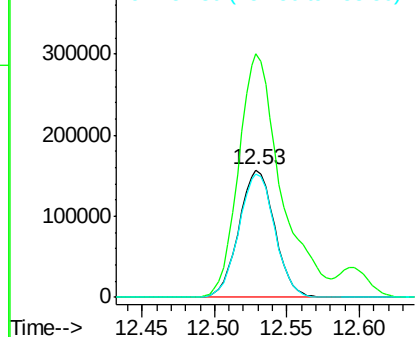


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.487 ug/l

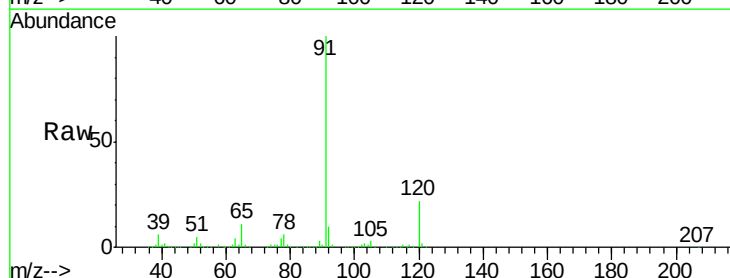
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

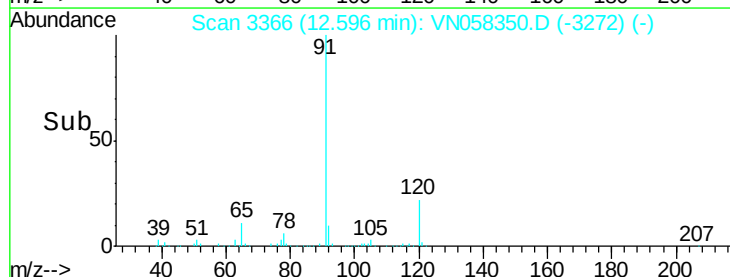
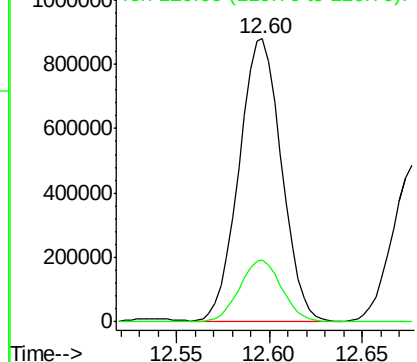
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.3

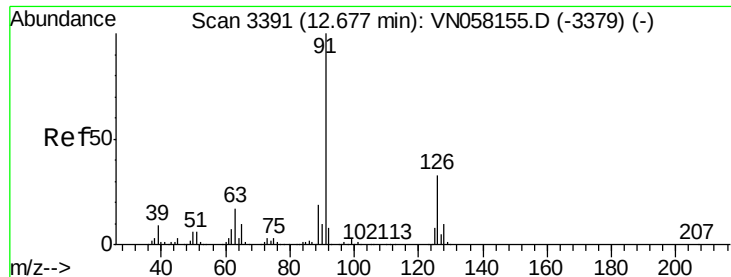


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.165 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 818168

Ion Ratio Lower Upper

91 100

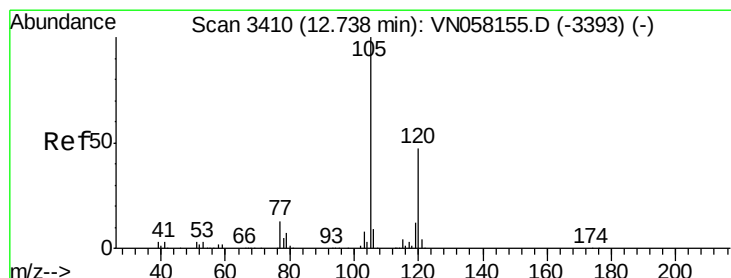
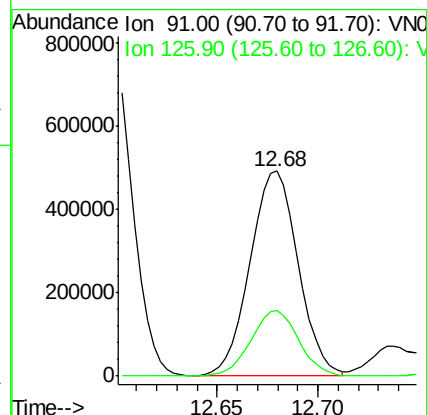
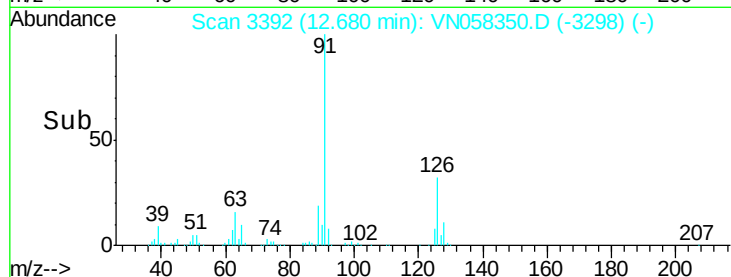
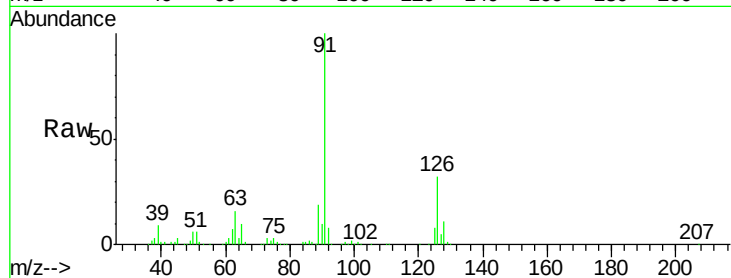
126 32.1 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 55.229 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058350.D

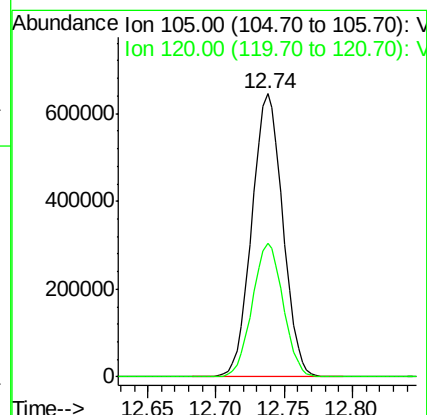
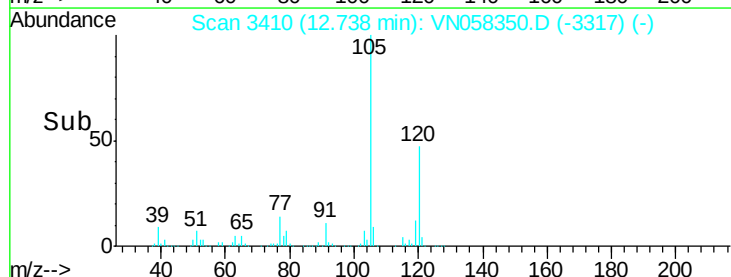
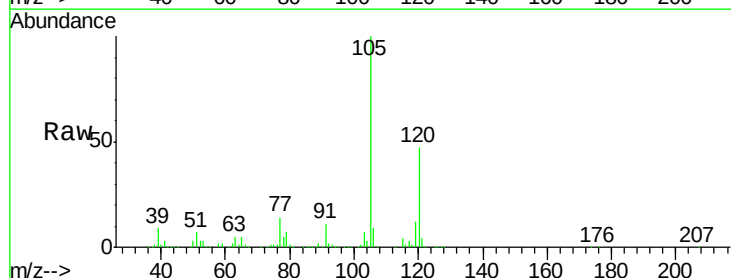
Acq: 25 Sep 2019 8:43

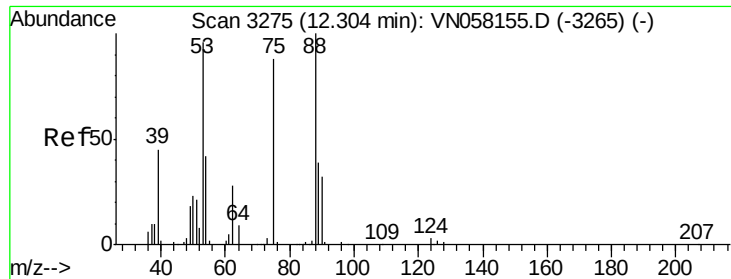
Tgt Ion: 105 Resp: 1012021

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0





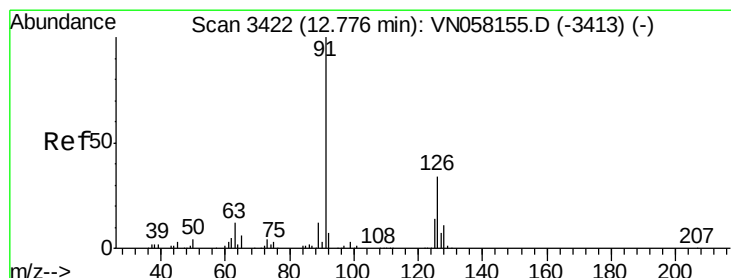
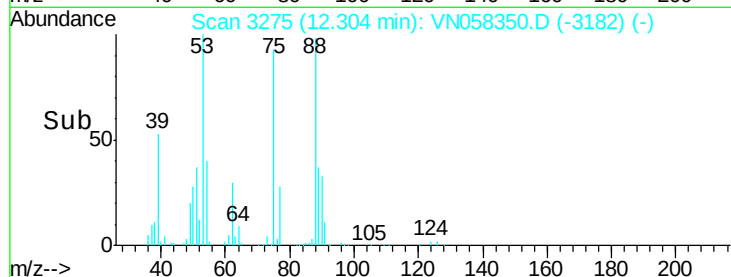
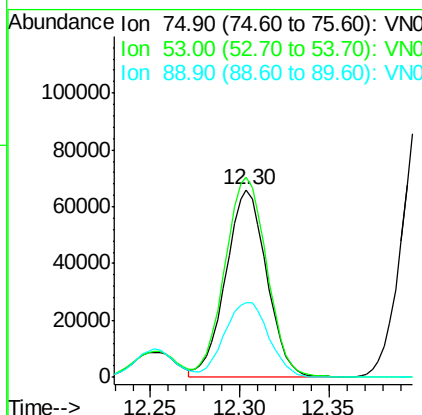
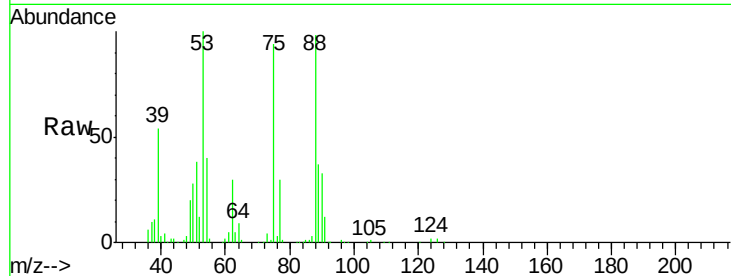
#81
trans-1,4-Dichloro-2-butene
Concen: 50.444 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.9	90.1	135.1
89	43.5	36.2	54.2

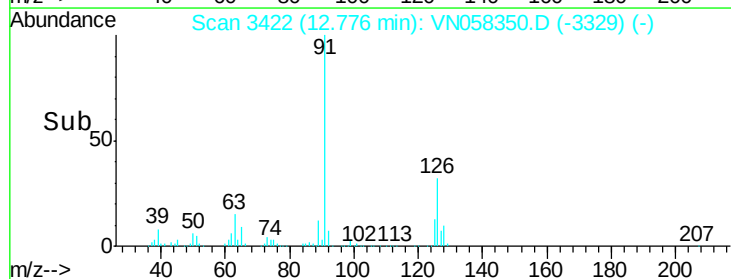
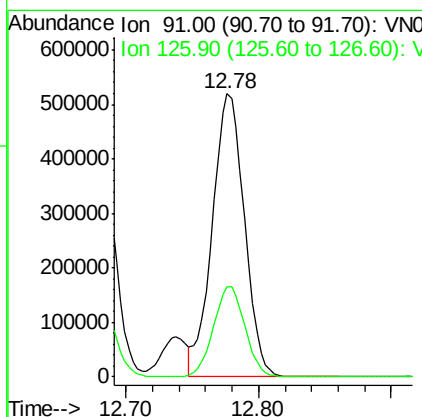
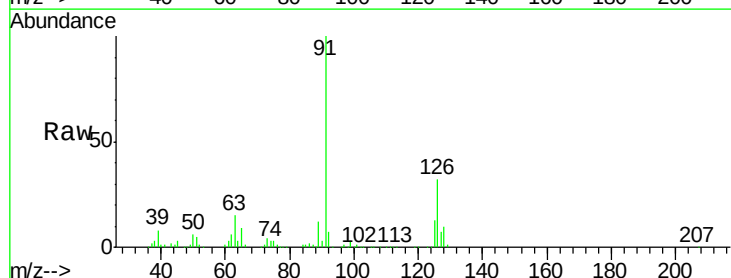
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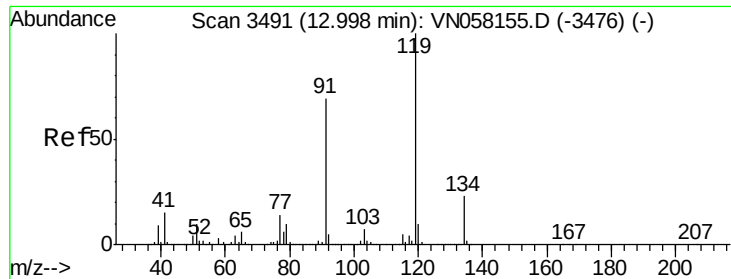
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#82
4-Chlorotoluene
Concen: 53.686 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1





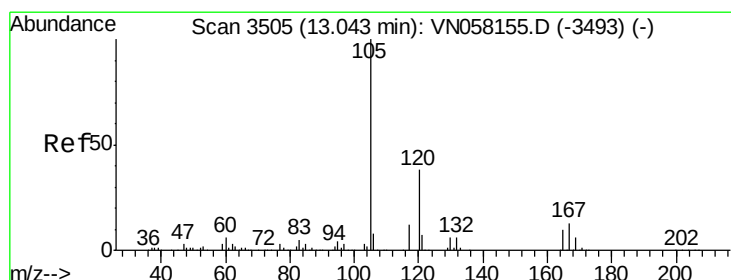
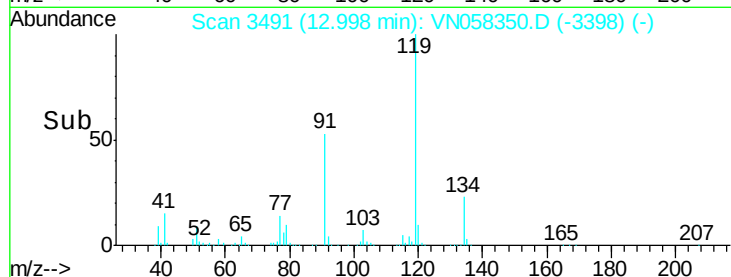
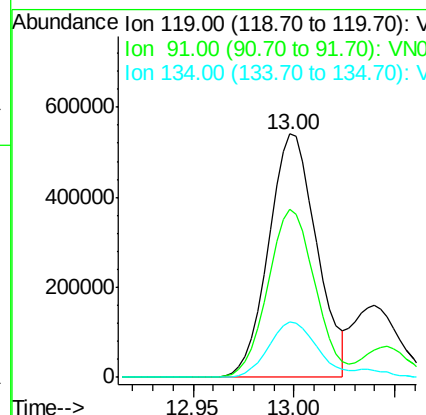
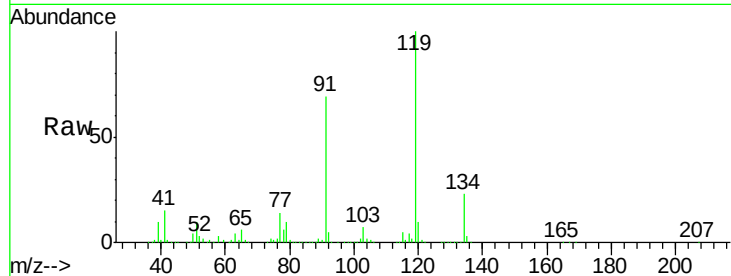
#83
 tert-Butylbenzene
 Concen: 54.668 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	33.8	101.3
134	23.2	11.6	34.8

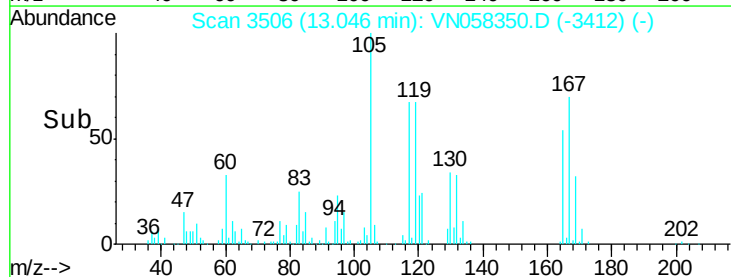
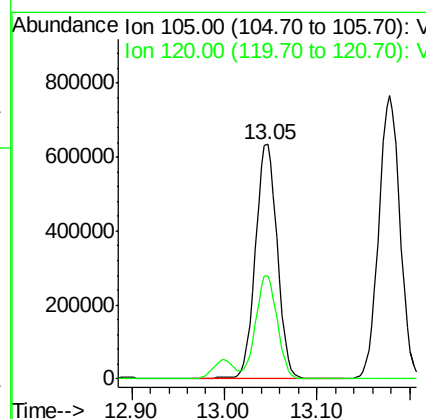
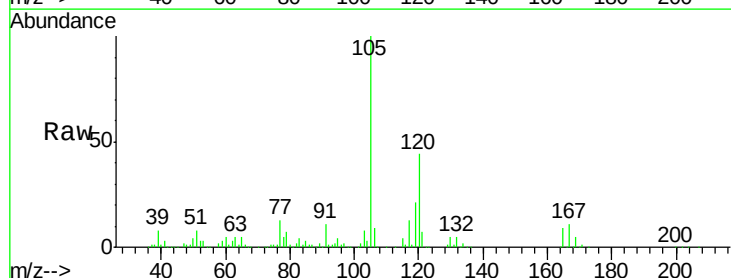
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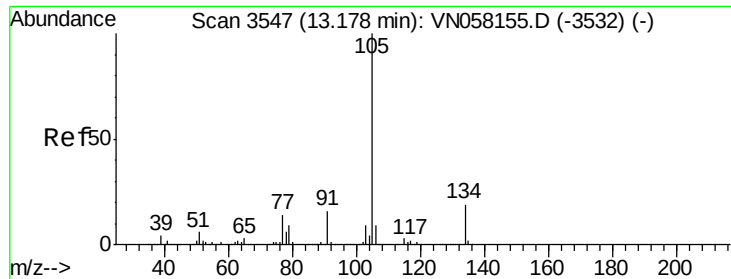
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.760 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.1	66.5





#85

sec-Butylbenzene

Concen: 56.661 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1210767

Ion Ratio Lower Upper

105 100

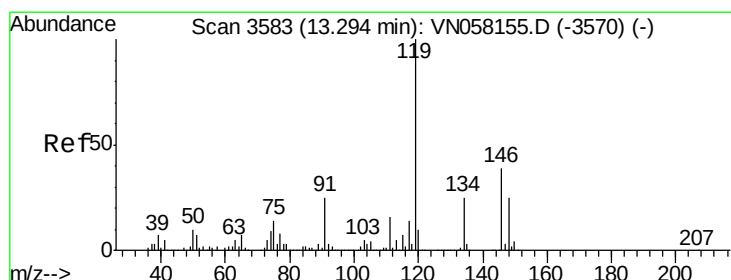
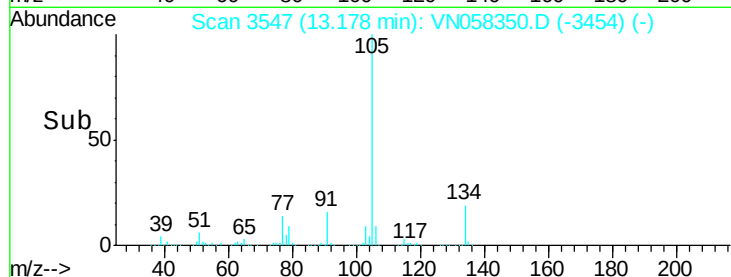
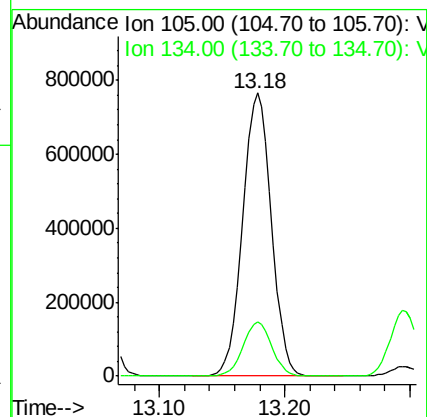
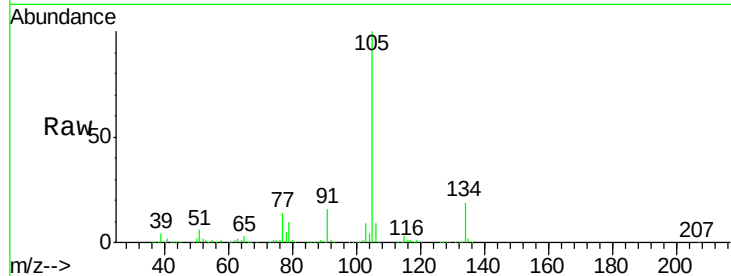
134 19.1 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 57.796 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

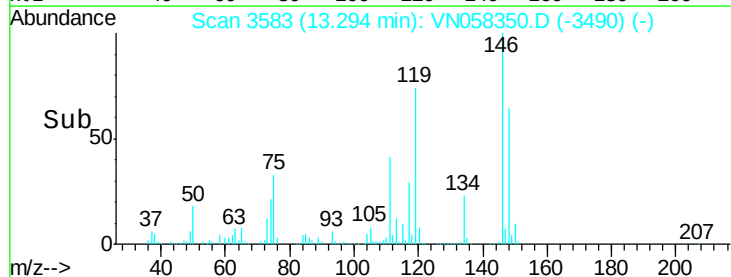
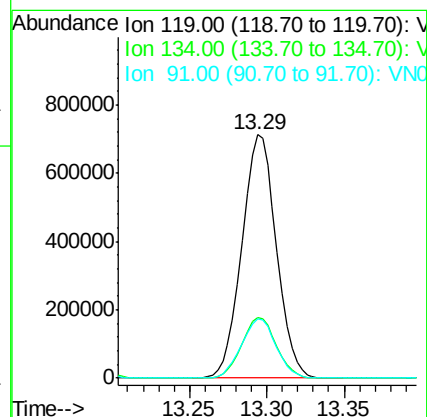
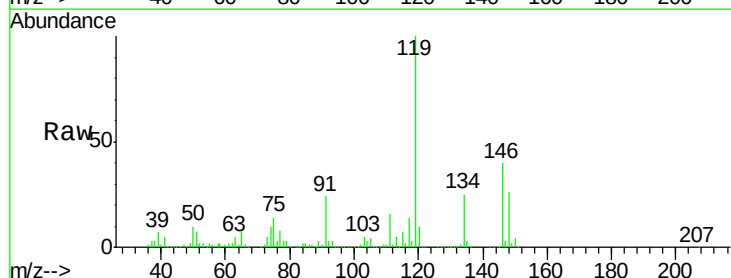
Tgt Ion:119 Resp: 1097944

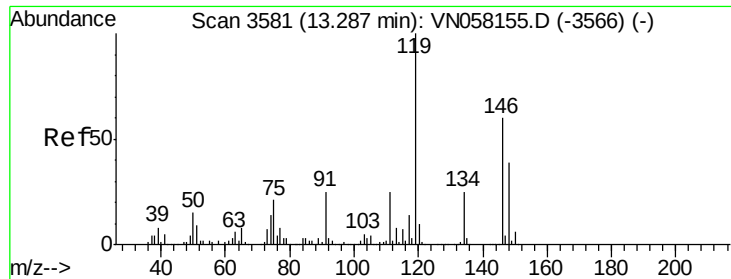
Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.0

91 24.6 12.3 36.8





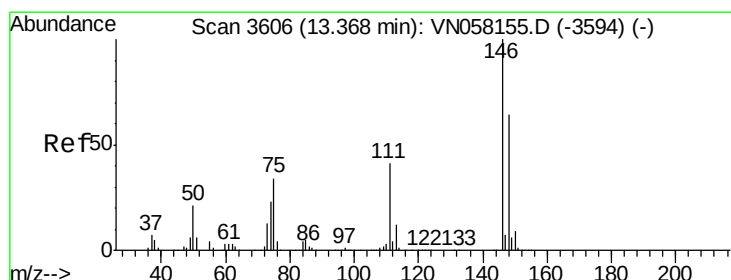
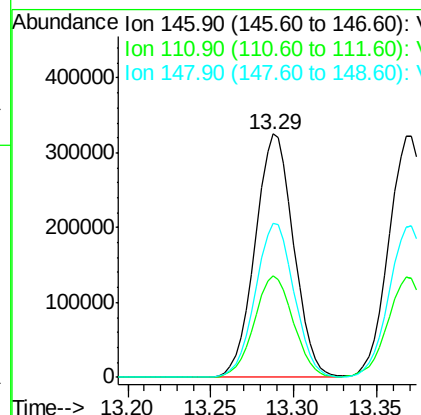
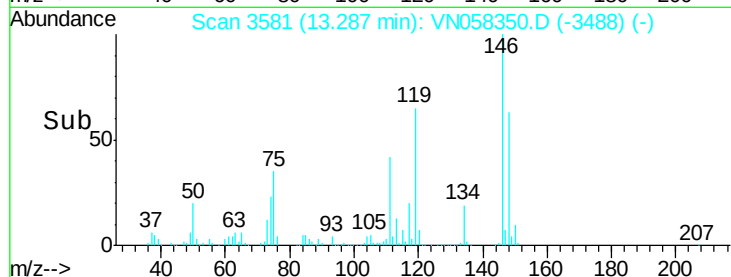
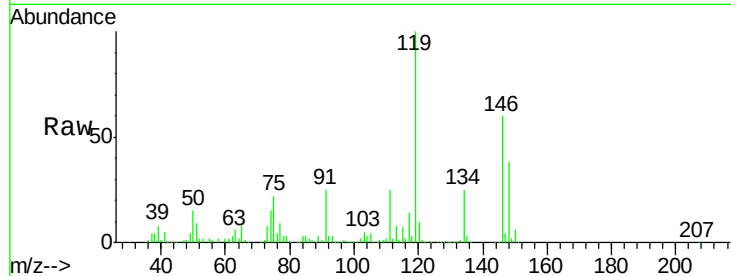
#87
 1,3-Dichlorobenzene
 Concen: 52.718 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.2	20.9	62.8	
148	63.8	32.0	96.2	

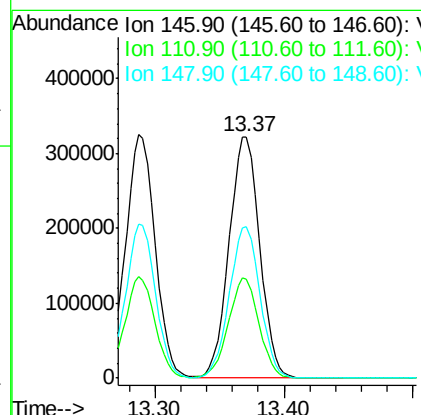
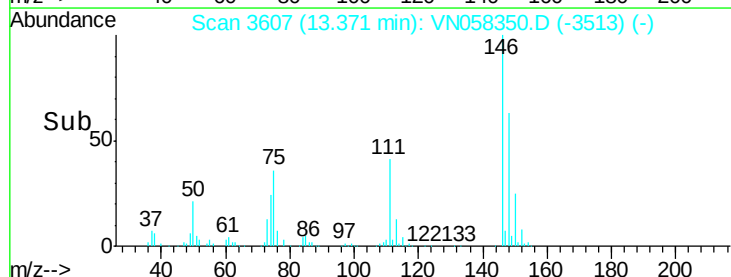
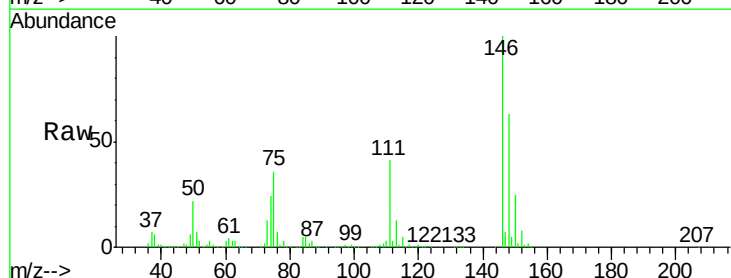
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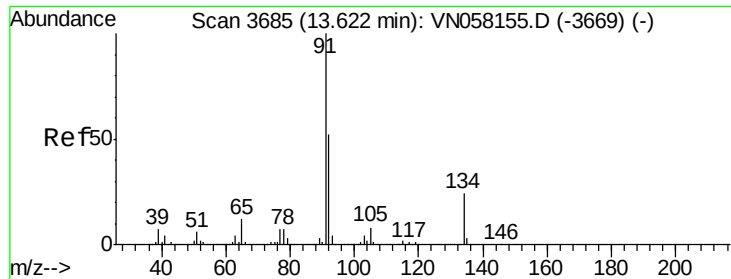
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#88
 1,4-Dichlorobenzene
 Concen: 52.136 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.5	20.5	61.5	
148	63.1	31.9	95.5	





#89

n-Butylbenzene

Concen: 57.201 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1030229

Ion Ratio Lower Upper

91 100

92 51.0 25.7 77.0

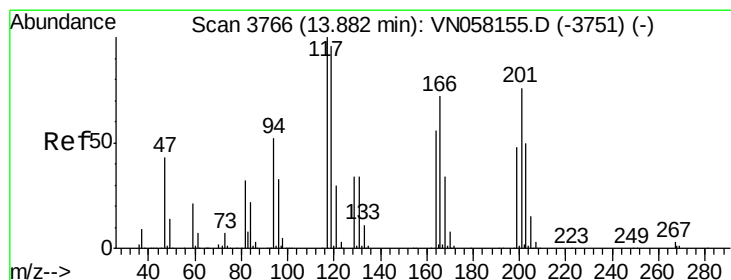
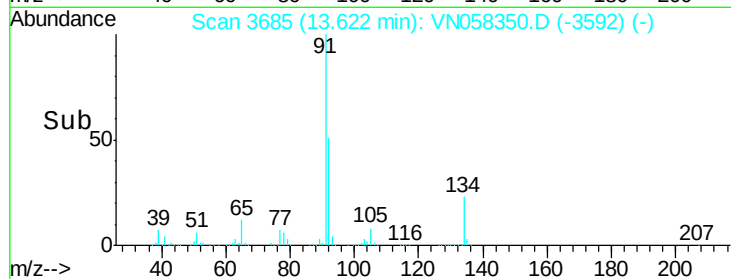
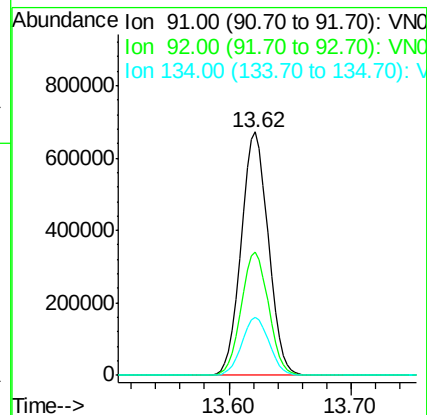
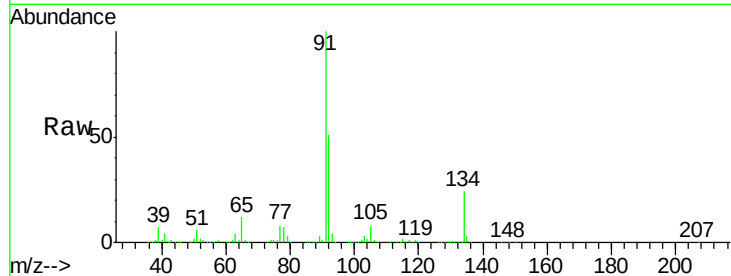
134 24.0 11.8 35.4

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#90

Hexachloroethane

Concen: 53.545 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058350.D

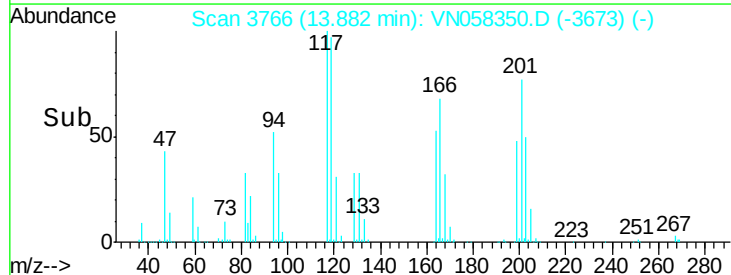
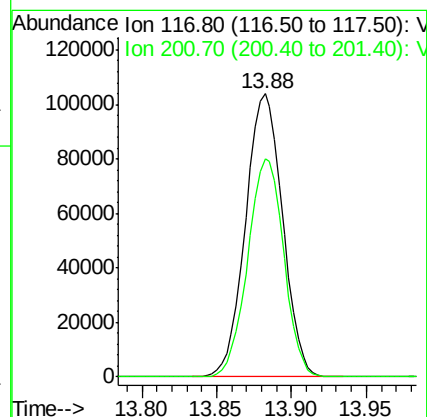
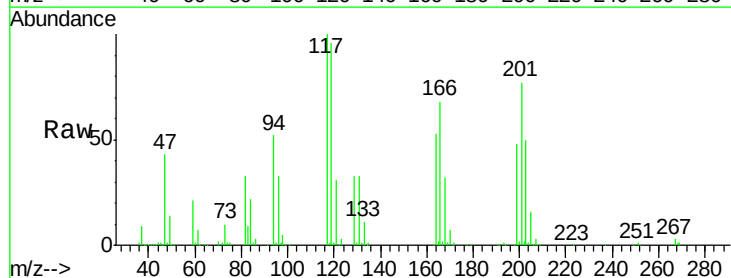
Acq: 25 Sep 2019 8:43

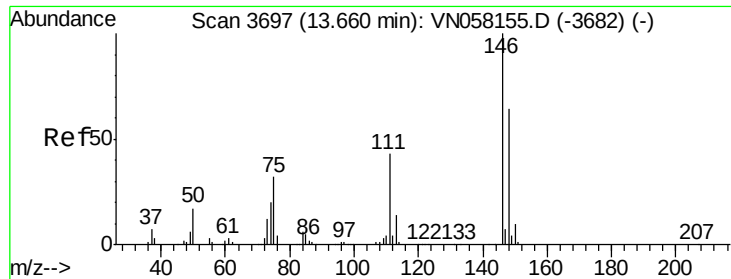
Tgt Ion: 117 Resp: 179078

Ion Ratio Lower Upper

117 100

201 74.9 37.5 112.5





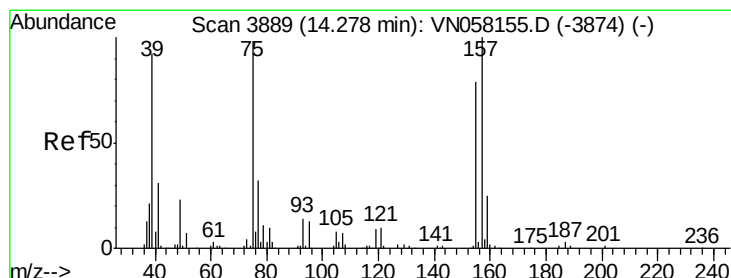
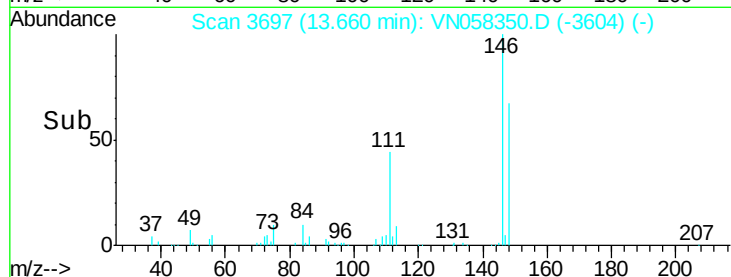
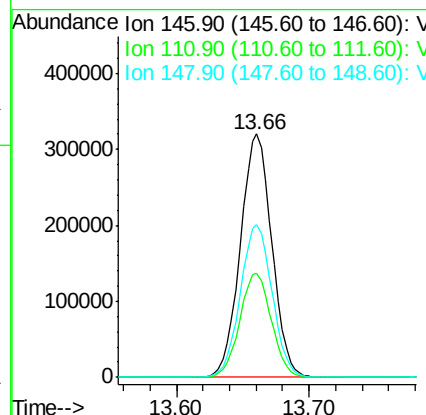
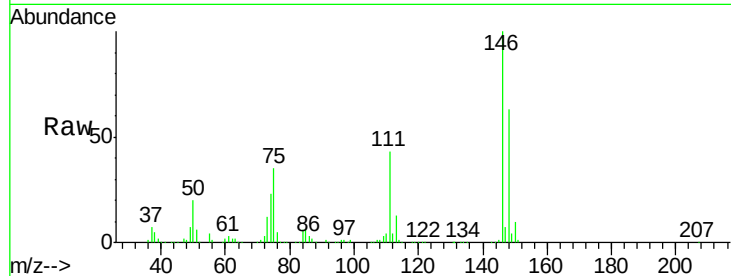
#91
 1,2-Dichlorobenzene
 Concen: 52.885 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.1
148	63.4	31.8	95.4

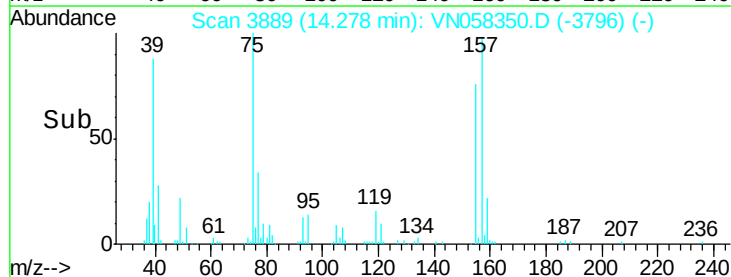
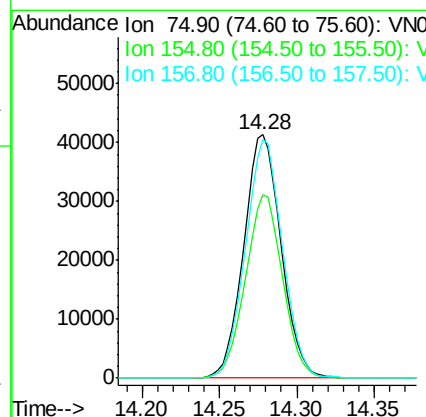
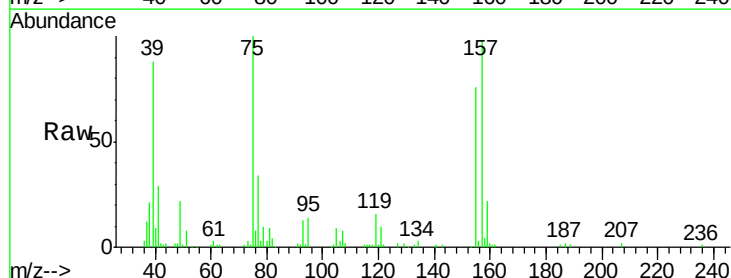
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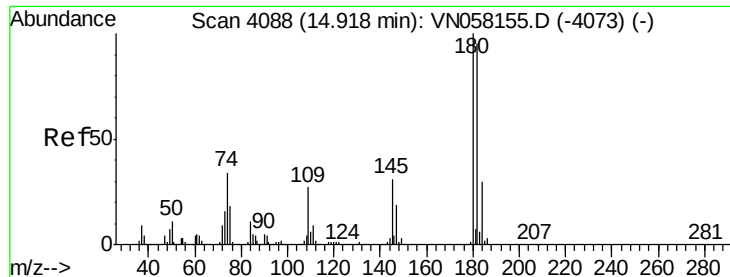
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.215 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.8	38.3	114.8
157	97.2	48.0	144.0





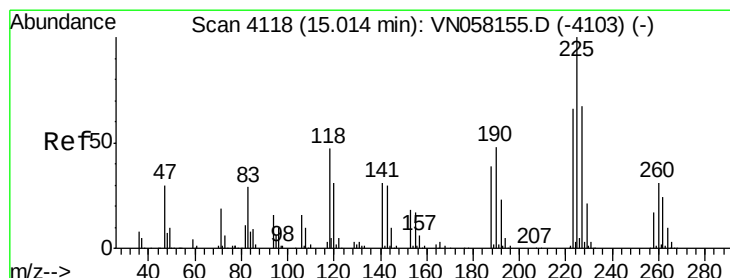
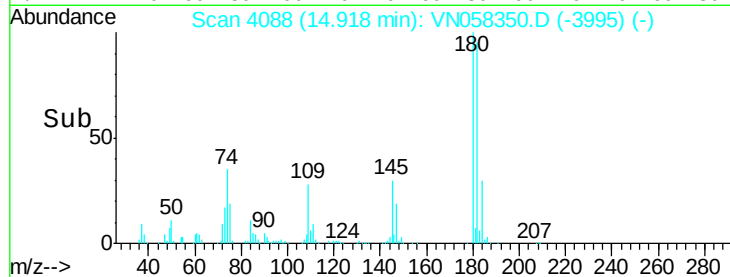
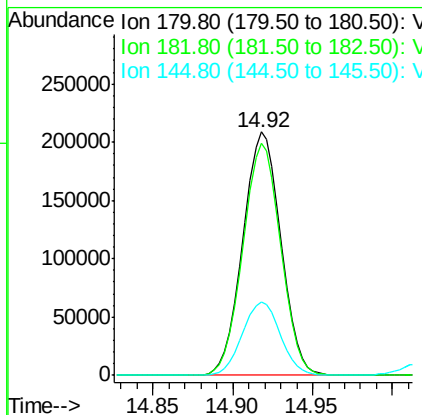
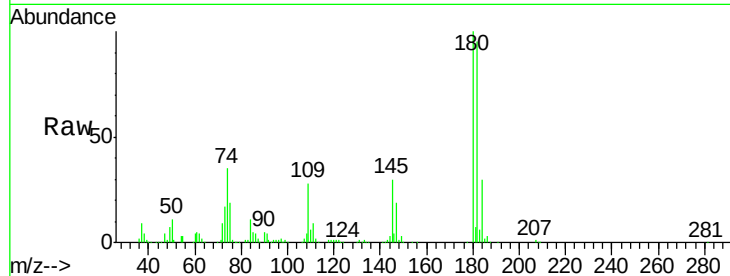
#93
 1,2,4-Trichlorobenzene
 Concen: 52.999 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	338173		
182	94.9	47.8	143.3	
145	30.3	15.4	46.4	

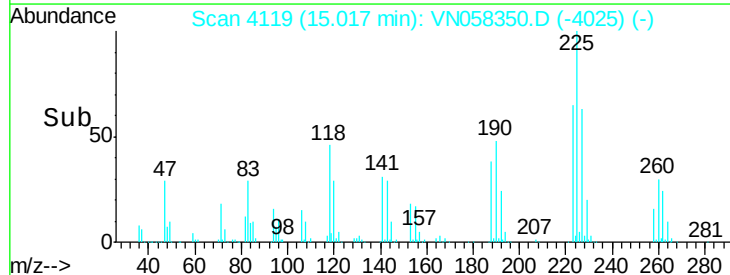
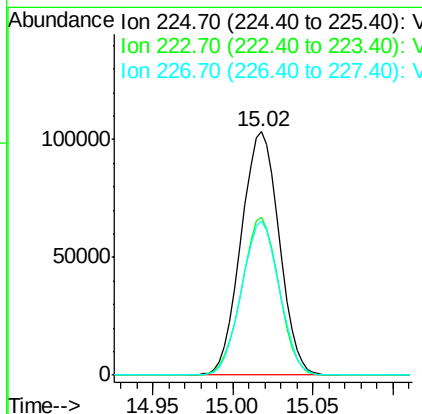
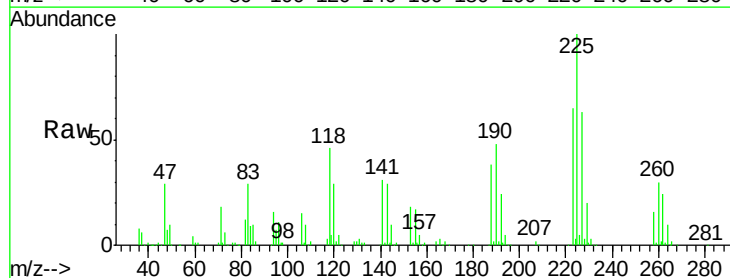
Manual Integrations
 APPROVED

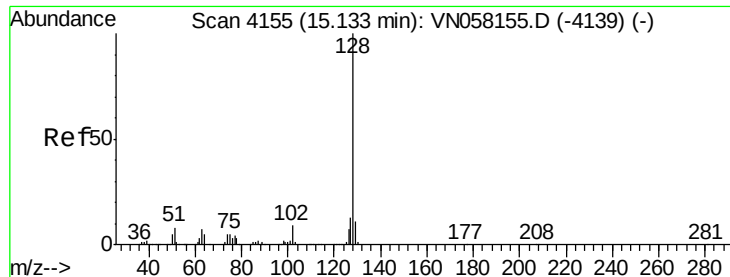
MMDadoda
 9/26/2019 12:59:57 PM



#94
 Hexachlorobutadiene
 Concen: 54.481 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	168021		
223	63.4	32.6	97.7	
227	62.5	33.0	99.0	





#95

Naphthalene

Concen: 53.465 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

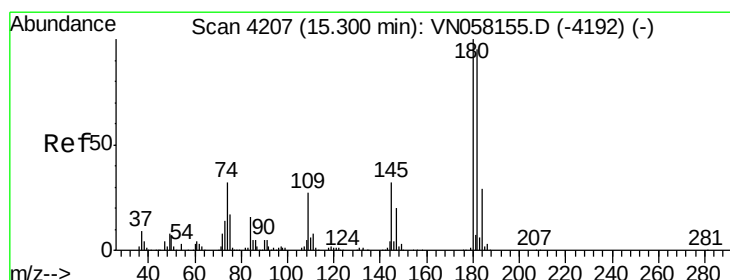
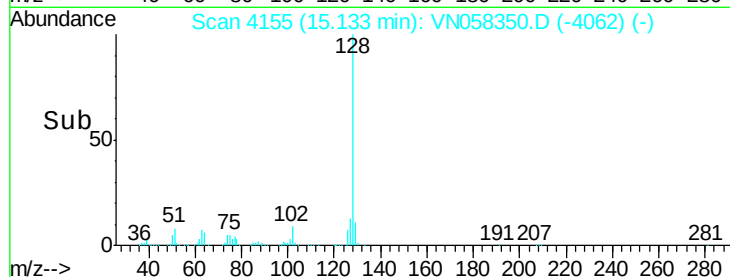
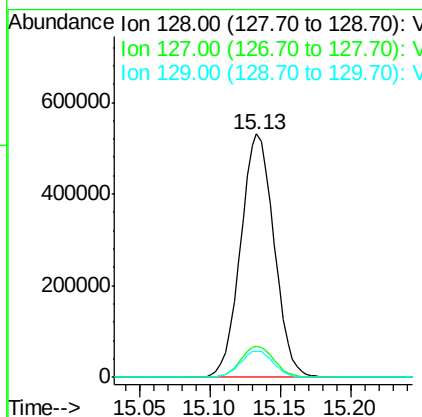
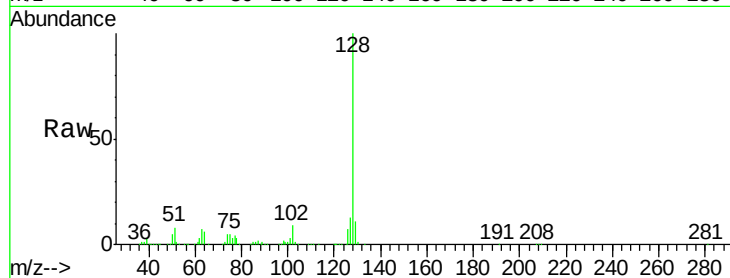
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	884111
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/26/2019 12:59:57 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.854 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Tgt Ion:	180	Resp:	318758
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.4	142.2
145	32.2	16.1	48.2

