

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058307.D
 Acq On : 23 Sep 2019 21:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:49:36 AM

Quant Time: Sep 24 05:55:31 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	446389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	752543	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	694551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	342195	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	325927	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
35) Dibromofluoromethane	7.58	113	233893	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	10.08	98	909863	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.41	95	336815	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	156763	42.750	ug/l	100
3) Chloromethane	2.04	50	138794	49.085	ug/l	99
4) Vinyl Chloride	2.17	62	154620	50.025	ug/l	96
5) Bromomethane	2.54	94	86411	52.772	ug/l	93
6) Chloroethane	2.68	64	105823	53.573	ug/l	99
7) Trichlorofluoromethane	3.00	101	232724	46.496	ug/l	97
8) Diethyl Ether	3.39	74	108512	47.315	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	168332	46.646	ug/l	99
10) Methyl Iodide	3.93	142	153396	50.728	ug/l	99
11) Tert butyl alcohol	4.76	59	216015	292.083	ug/l	99
12) 1,1-Dichloroethene	3.72	96	135885	49.615	ug/l	96
13) Acrolein	3.59	56	47795	436.082	ug/l	95
14) Allyl chloride	4.30	41	247927	41.985	ug/l	88
15) Acrylonitrile	4.96	53	581368	295.049	ug/l	100
16) Acetone	3.80	43	504093	238.860	ug/l	97
17) Carbon Disulfide	4.03	76	161827	42.023	ug/l	98
18) Methyl Acetate	4.30	43	309627	55.757	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	719123	52.834	ug/l	98
20) Methylene Chloride	4.53	84	194155	52.558	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	145717	48.819	ug/l	98
22) Diisopropyl ether	5.93	45	792565	52.837	ug/l	97
23) Vinyl Acetate	5.87	43	2909766	283.494	ug/l	100
24) 1,1-Dichloroethane	5.83	63	407733	50.929	ug/l	100
25) 2-Butanone	6.81	43	803082	279.315	ug/l	100
26) 2,2-Dichloropropane	6.81	77	291433	42.909	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	223710	49.419	ug/l	99
28) Bromochloromethane	7.18	49	199019	52.550	ug/l #	98
29) Tetrahydrofuran	7.19	42	505290	285.308	ug/l	99
30) Chloroform	7.36	83	445034	51.643	ug/l	97
31) Cyclohexane	7.64	56	249282	48.078	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	338889	51.657	ug/l	98
36) 1,1-Dichloropropene	7.78	75	246916	45.498	ug/l	99
37) Ethyl Acetate	6.91	43	325522	57.799	ug/l	100
38) Carbon Tetrachloride	7.76	117	267036	48.950	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	242348	46.192	ug/l	96
40) Benzene	8.03	78	822122	49.598	ug/l	99
41) Methacrylonitrile	7.16	41	140699m	49.597	ug/l	
42) 1,2-Dichloroethane	8.11	62	360480	51.828	ug/l	100
43) Isopropyl Acetate	8.15	43	559368	53.180	ug/l #	92
44) Trichloroethene	8.83	130	199477	49.177	ug/l	98
45) 1,2-Dichloropropane	9.11	63	260639	52.653	ug/l	99
46) Dibromomethane	9.20	93	155437	51.647	ug/l	99
47) Bromodichloromethane	9.40	83	339042	53.773	ug/l	99
48) Methyl methacrylate	9.19	41	270396	56.618	ug/l	100
49) 1,4-Dioxane	9.19	88	95952	1223.735	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1806835	323.407	ug/l	99
52) Toluene	10.15	92	520977	50.151	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	353169	54.682	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	368936	51.739	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	252150	54.696	ug/l	98
56) Ethyl methacrylate	10.43	69	376367	56.584	ug/l	99
57) 1,3-Dichloropropane	10.71	76	429689	54.218	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	915811	289.056	ug/l	100
59) 2-Hexanone	10.75	43	1302575	313.925	ug/l	98
60) Dibromochloromethane	10.90	129	249047	56.154	ug/l	100
61) 1,2-Dibromoethane	11.01	107	234725	54.941	ug/l	100
64) Tetrachloroethene	10.63	164	161638	47.740	ug/l	99
65) Chlorobenzene	11.44	112	613697	50.234	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	237881	53.700	ug/l	98
67) Ethyl Benzene	11.51	91	1096180	52.366	ug/l	100
68) m/p-Xylenes	11.63	106	795666	100.921	ug/l	98
69) o-Xylene	11.95	106	402032	51.860	ug/l	99
70) Styrene	11.97	104	720095	53.911	ug/l	100
71) Bromoform	12.13	173	162955	49.645	ug/l #	100
73) Isopropylbenzene	12.26	105	1148755	53.632	ug/l	100
74) N-amyl acetate	12.08	43	528573	58.989	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	408383	56.935	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	333979m	54.534	ug/l	
77) Bromobenzene	12.53	156	273054	50.680	ug/l	97
78) n-propylbenzene	12.60	91	1348781	55.415	ug/l	99
79) 2-Chlorotoluene	12.68	91	806552	53.022	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	982616	54.251	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	98356	48.054	ug/l	98
82) 4-Chlorotoluene	12.78	91	854921	53.466	ug/l	100
83) tert-Butylbenzene	13.00	119	874527	54.142	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	998917	55.419	ug/l	100
85) sec-Butylbenzene	13.18	105	1176934	55.721	ug/l	100
86) p-Isopropyltoluene	13.30	119	1058993	56.396	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	522715	53.117	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	520632	51.821	ug/l	100
89) n-Butylbenzene	13.62	91	945078	53.086	ug/l	100
90) Hexachloroethane	13.88	117	168134	51.001	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	534755	54.172	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75242	58.267	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	313886	49.767	ug/l	100
94) Hexachlorobutadiene	15.02	225	148023	48.557	ug/l	96
95) Naphthalene	15.14	128	913442	55.884	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	302711	50.779	ug/l	100

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

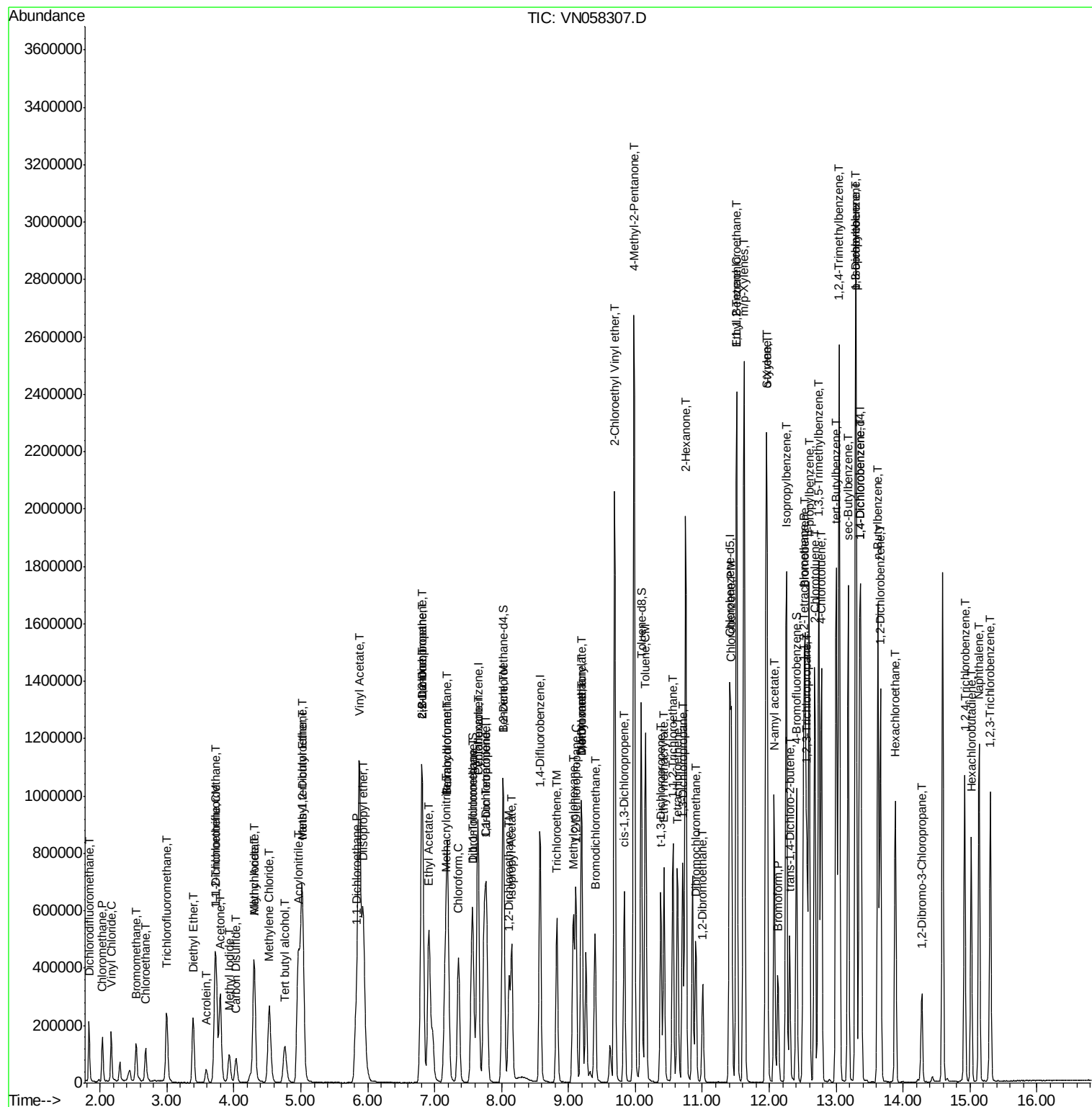
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Data File : VN058307.D
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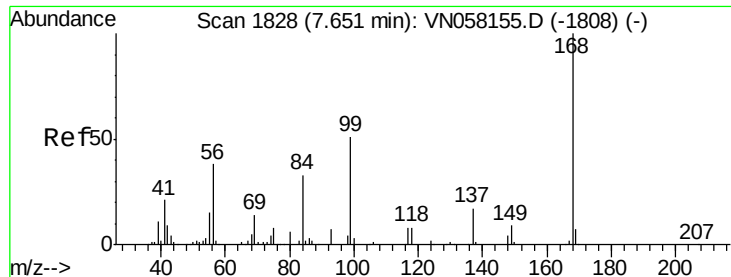
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 446389

Ion Ratio Lower Upper

168 100

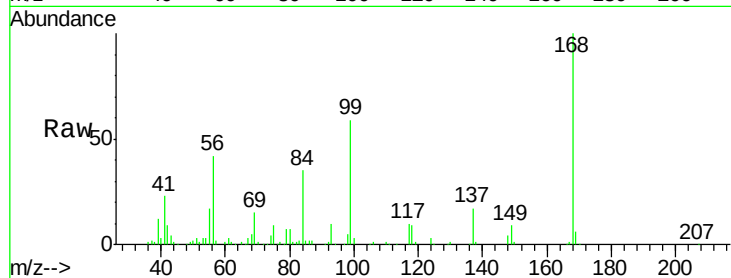
99 58.2 47.4 71.2

Manual Integrations

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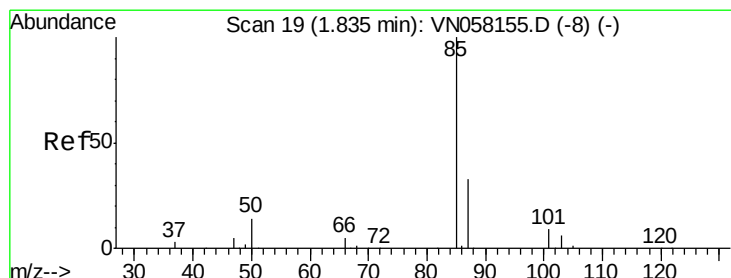
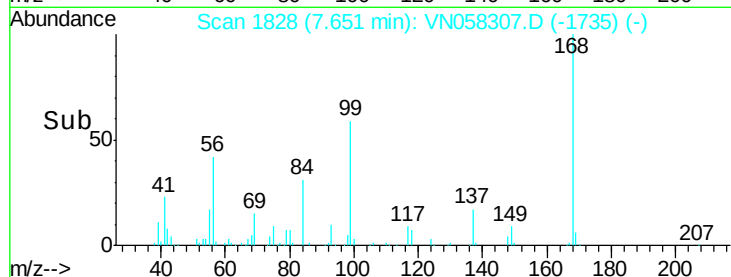
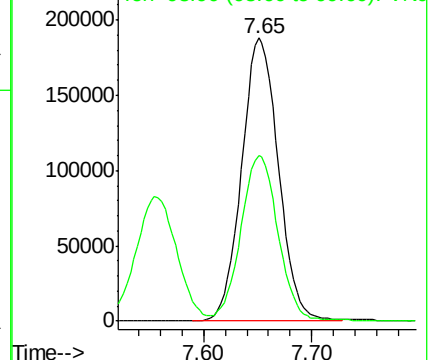
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9/25/2019 12:49:36 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 42.750 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058307.D

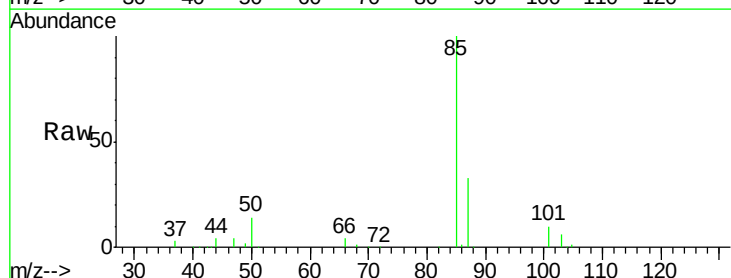
Acq: 23 Sep 2019 21:03

Tgt Ion: 85 Resp: 156763

Ion Ratio Lower Upper

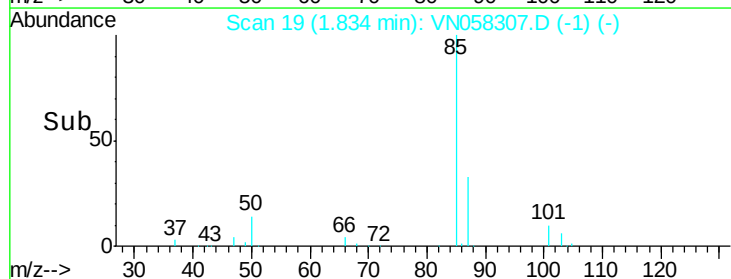
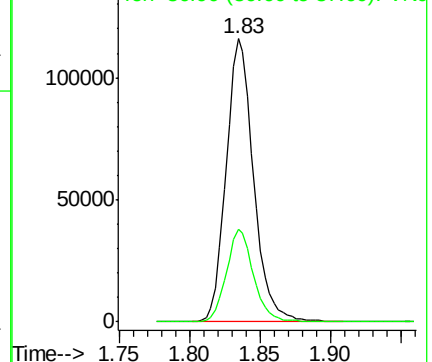
85 100

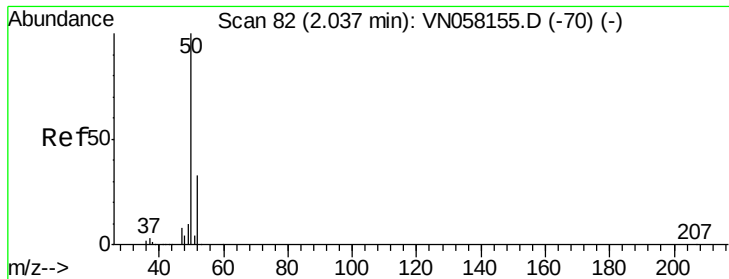
87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 49.085 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 138794

Ion Ratio Lower Upper

50 100

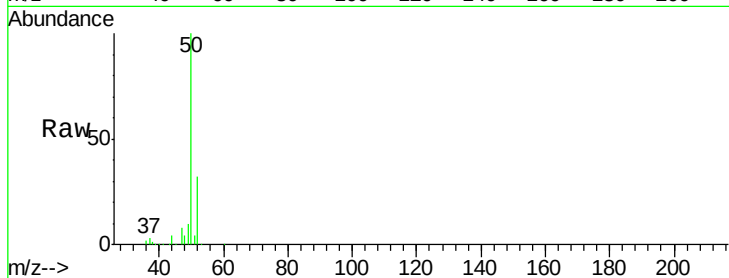
52 32.4 26.3 39.5

Manual Integrations

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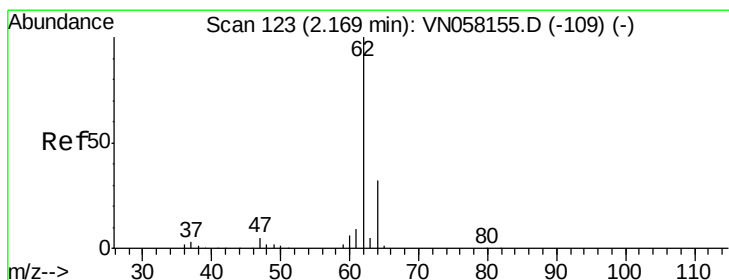
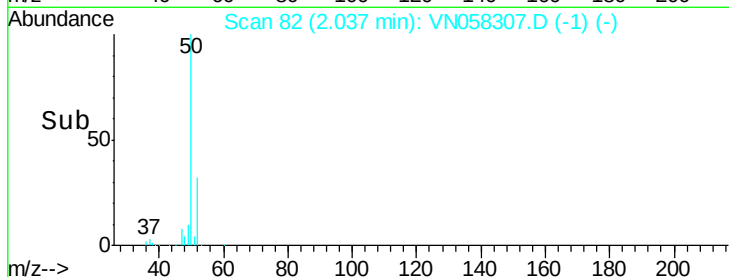
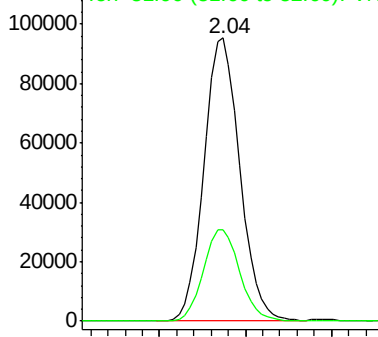
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 50.025 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058307.D

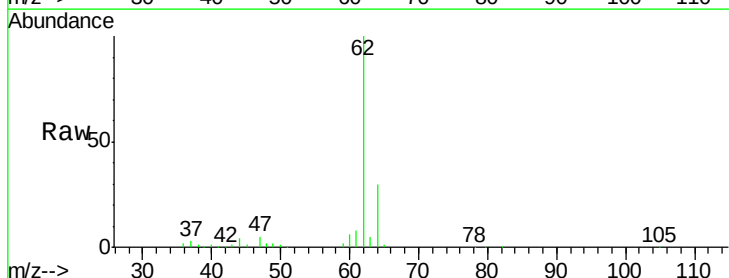
Acq: 23 Sep 2019 21:03

Tgt Ion: 62 Resp: 154620

Ion Ratio Lower Upper

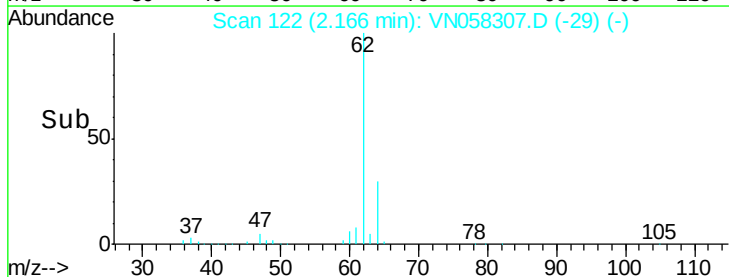
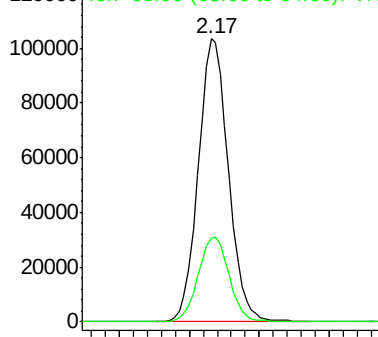
62 100

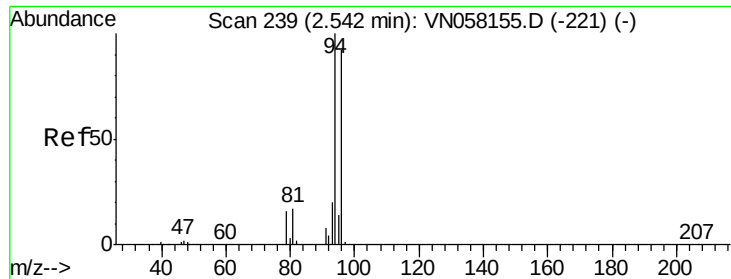
64 29.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 52.772 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 86411

Ion Ratio Lower Upper

94 100

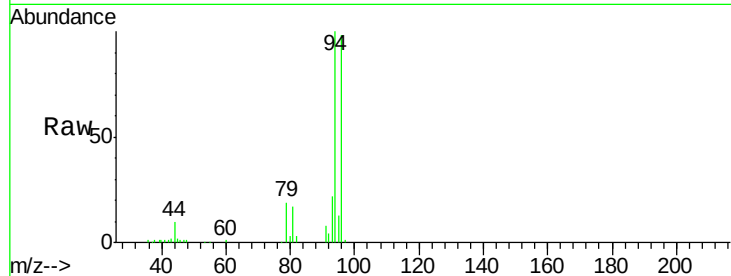
96 98.0 73.3 109.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

40000

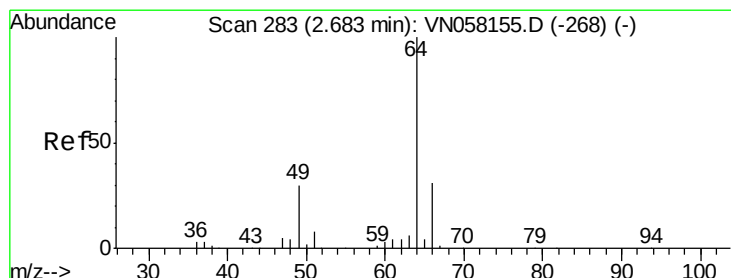
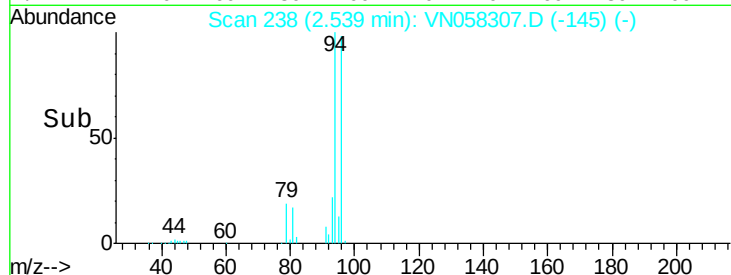
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 53.573 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN058307.D

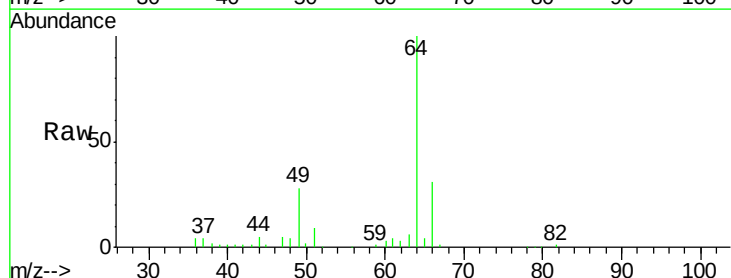
Acq: 23 Sep 2019 21:03

Tgt Ion: 64 Resp: 105823

Ion Ratio Lower Upper

64 100

66 31.2 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

60000

50000

40000

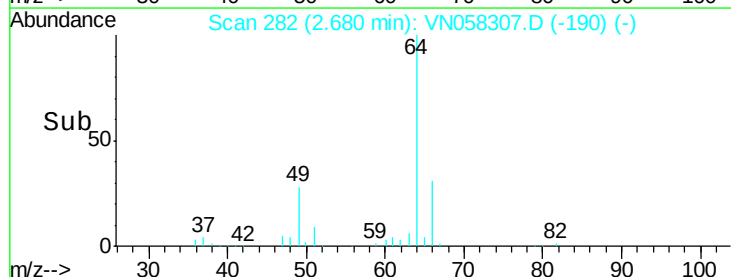
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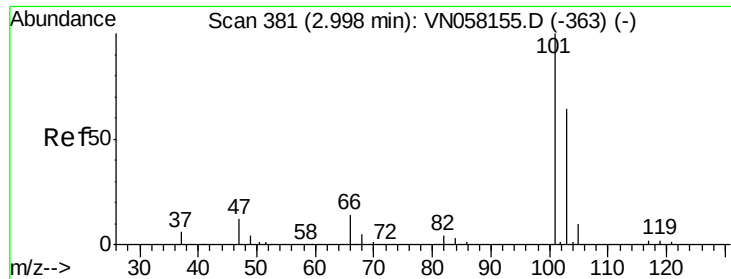
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10000

0

Time-->





#7

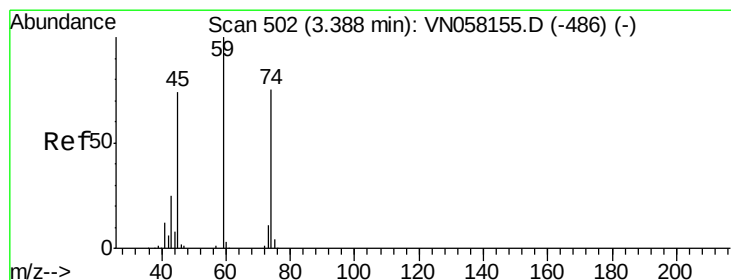
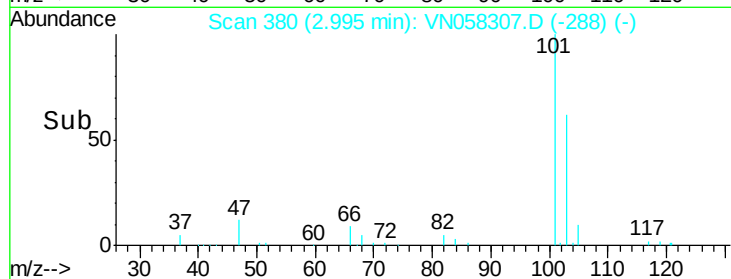
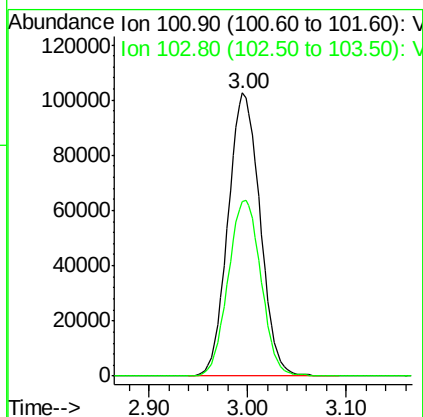
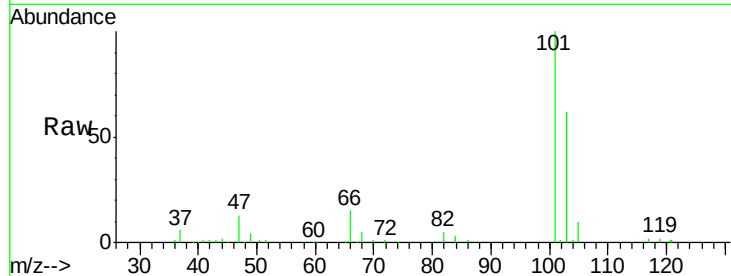
Trichlorofluoromethane
Concen: 46.496 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		232724		
103	61.7	51.0	76.6		

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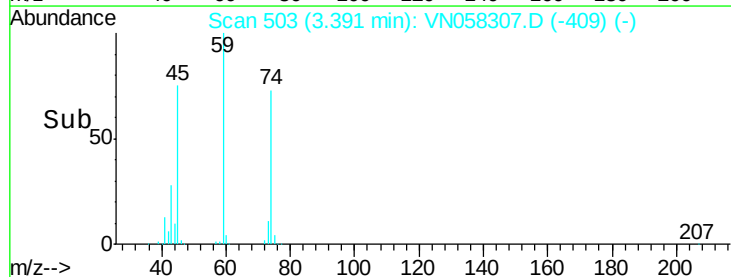
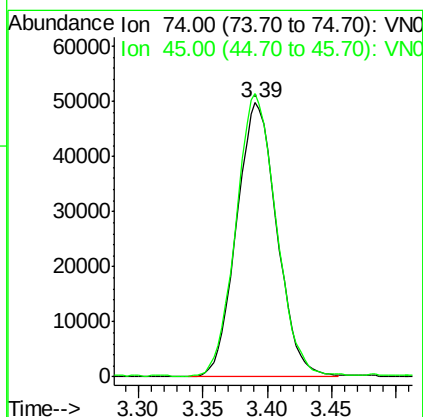
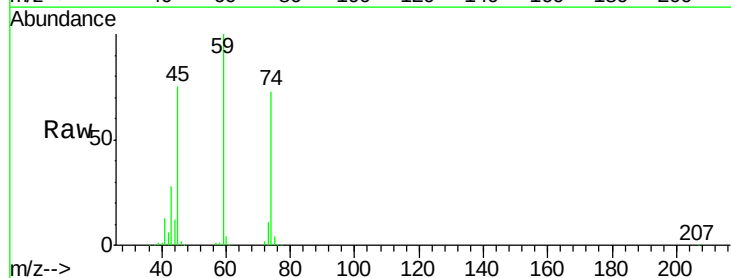
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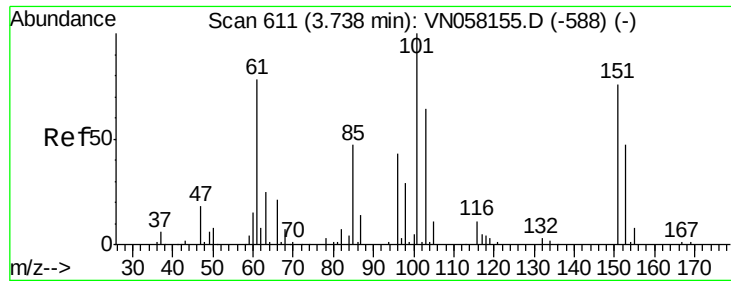


#8

Diethyl Ether
Concen: 47.315 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		108512		
45	103.5	48.5	145.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.646 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

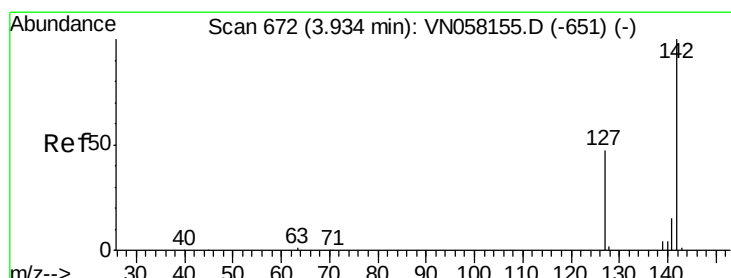
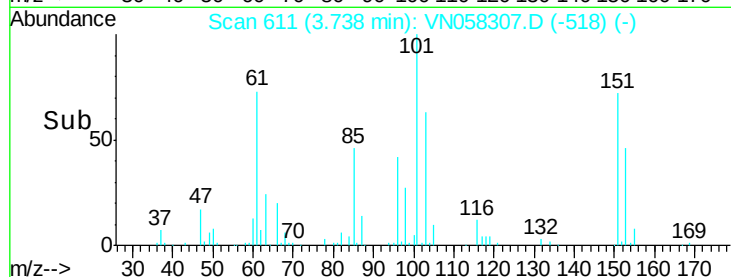
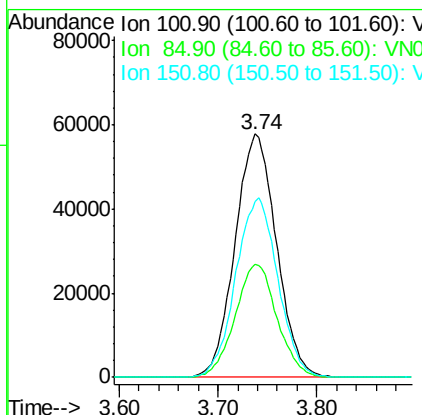
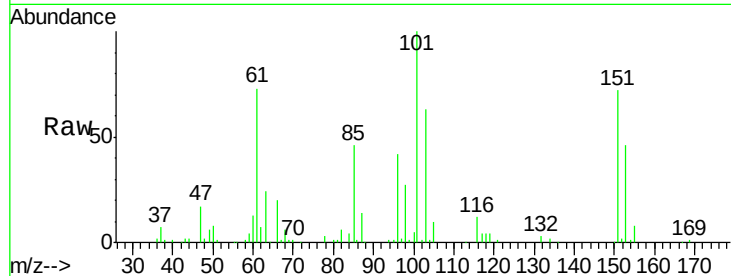
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	168332
Ion Ratio	Lower	Upper	
101	100		
85	46.9	37.3	55.9
151	75.0	59.6	89.4

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#10

Methyl Iodide

Concen: 50.728 ug/l

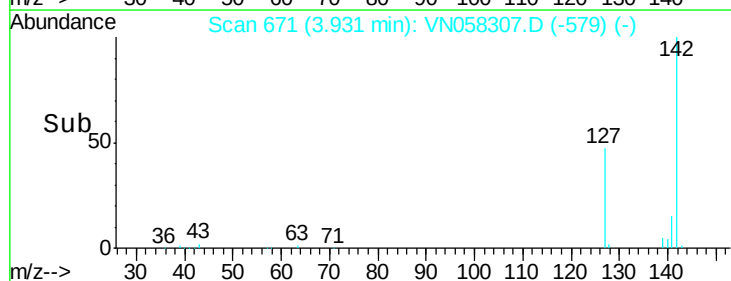
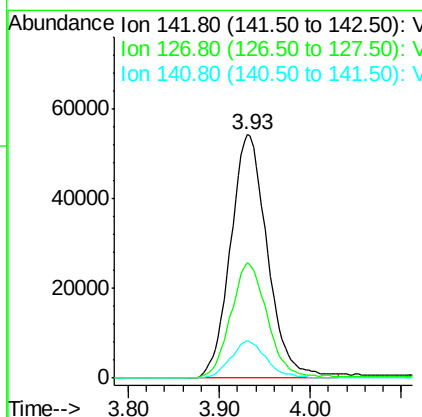
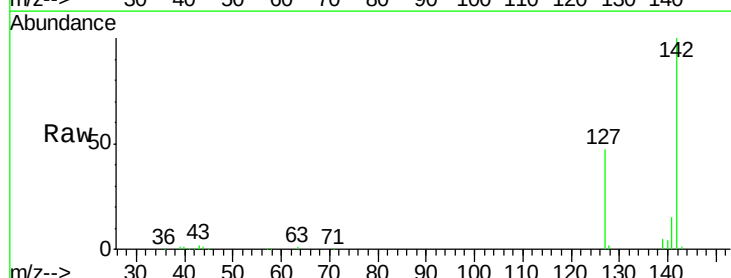
RT: 3.93 min Scan# 671

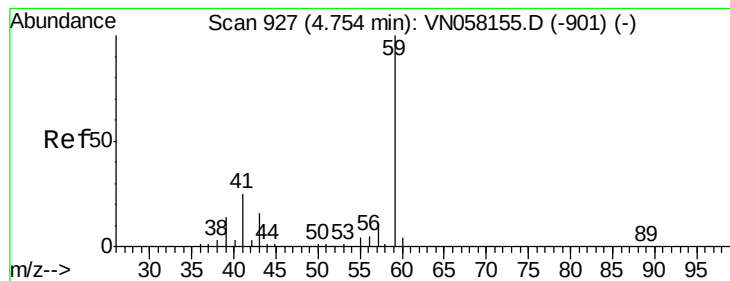
Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Tgt Ion:	142	Resp:	153396
Ion Ratio	Lower	Upper	
142	100		
127	46.6	37.5	56.3
141	14.7	11.4	17.2





#11

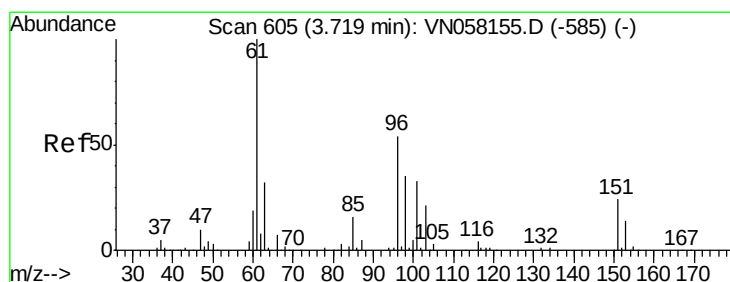
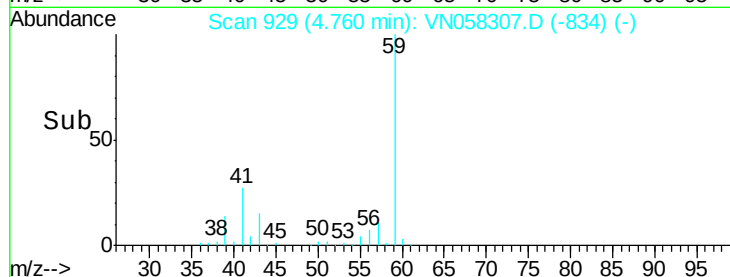
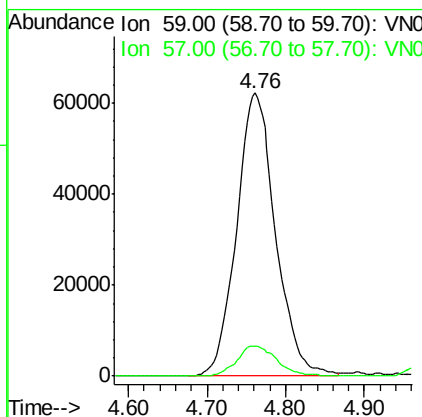
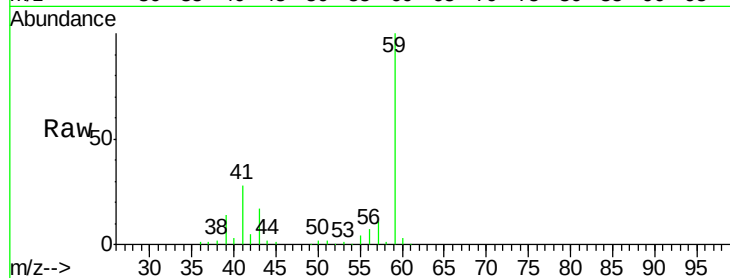
Tert butyl alcohol
 Concen: 292.083 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	216015		
57	11.1		8.6	13.0

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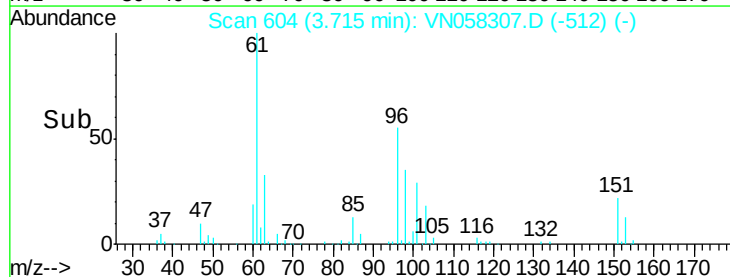
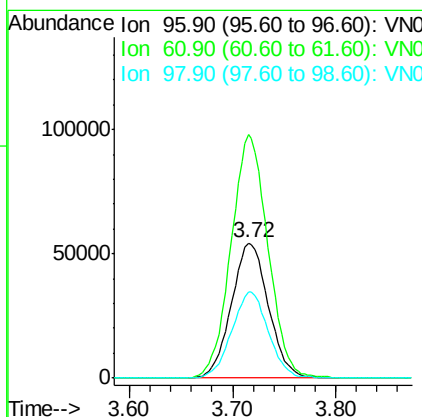
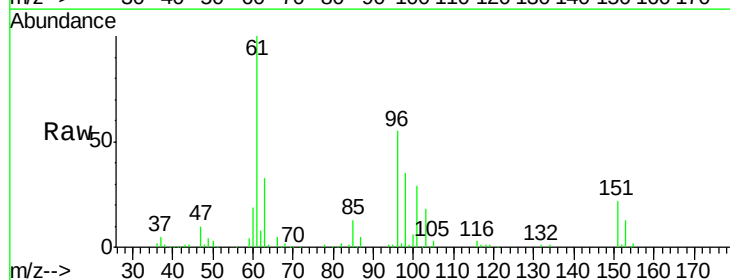
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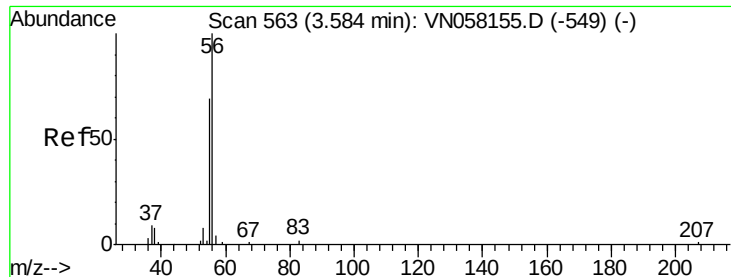


#12

1,1-Dichloroethene
 Concen: 49.615 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	135885		
61	179.9		149.5	224.3
98	63.7		52.4	78.6





#13

Acrolein

Concen: 436.082 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 47795

Ion Ratio Lower Upper

56 100

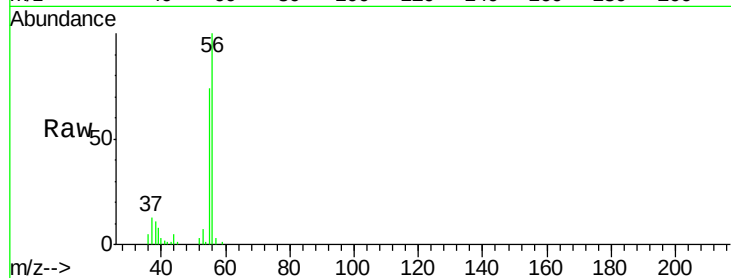
55 74.1 56.1 84.1

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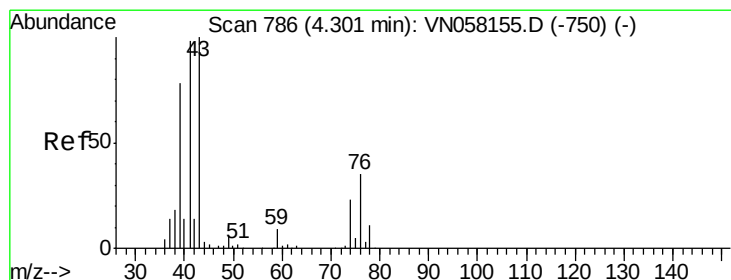
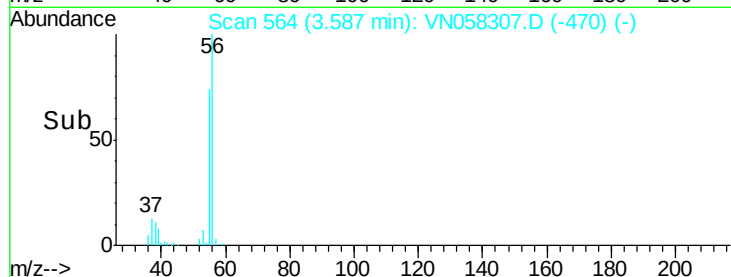
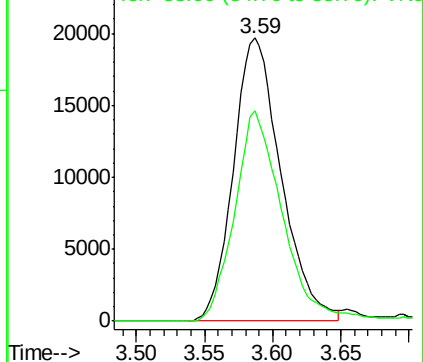
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 41.985 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

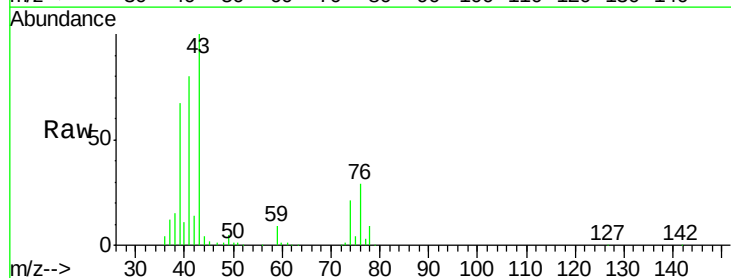
Tgt Ion: 41 Resp: 247927

Ion Ratio Lower Upper

41 100

39 85.2 59.1 88.7

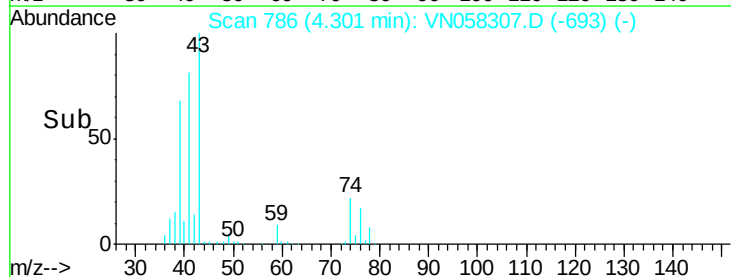
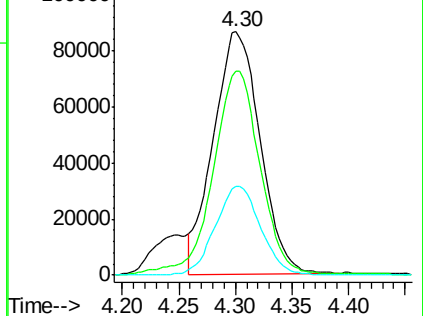
76 35.6 25.1 37.7

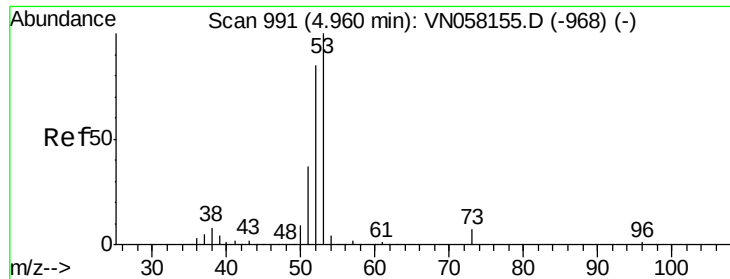


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 295.049 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

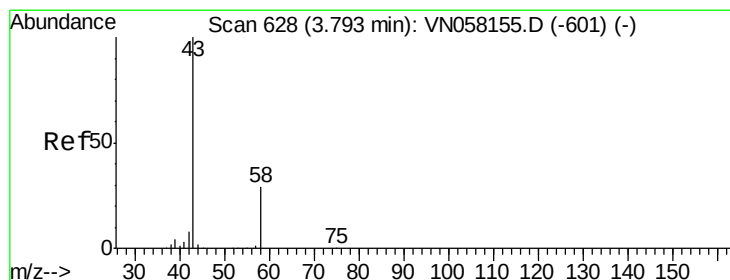
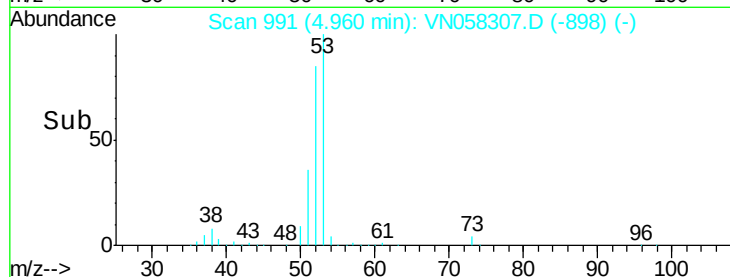
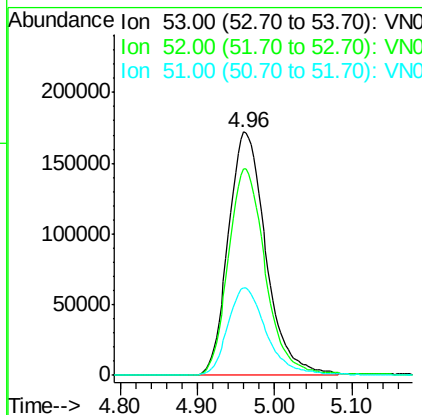
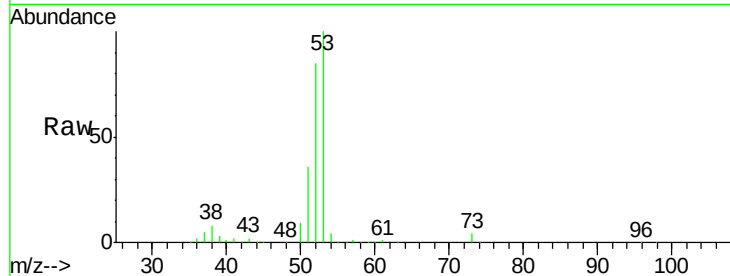
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	581368
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.6	100.0
51	37.1	29.7	44.5

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#16

Acetone

Concen: 238.860 ug/l

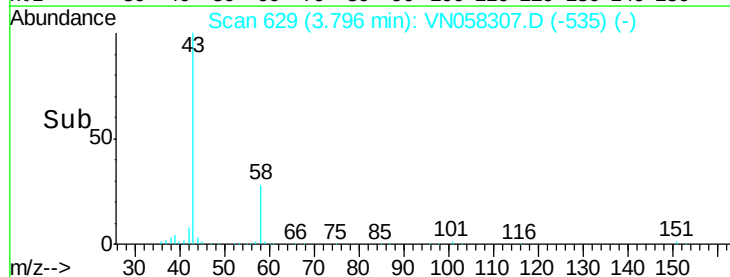
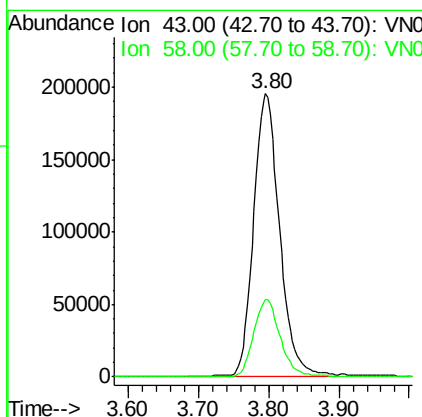
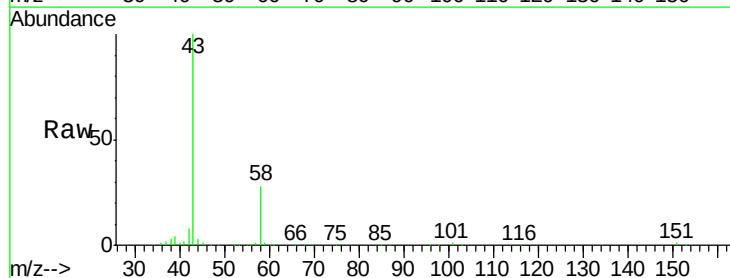
RT: 3.80 min Scan# 629

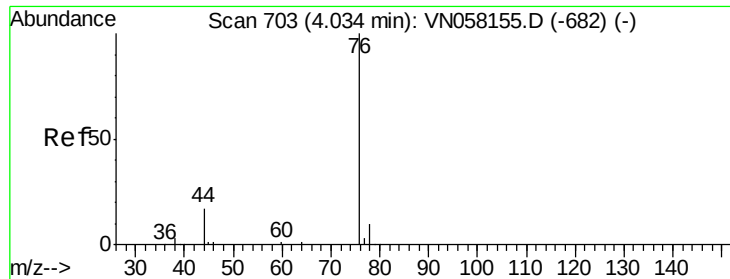
Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Tgt Ion:	43	Resp:	504093
Ion	Ratio	Lower	Upper
43	100		
58	27.5	23.4	35.2





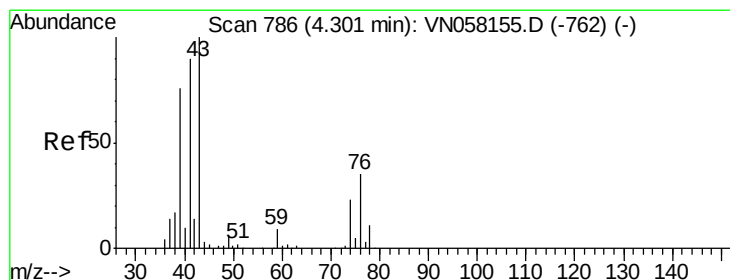
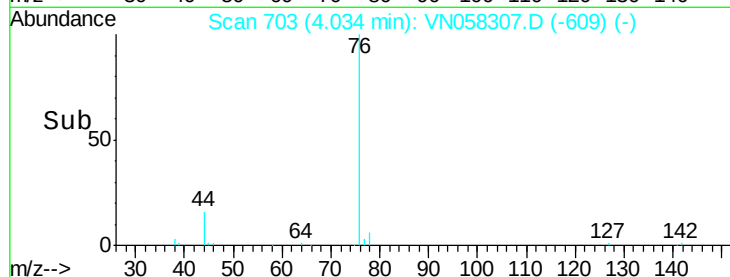
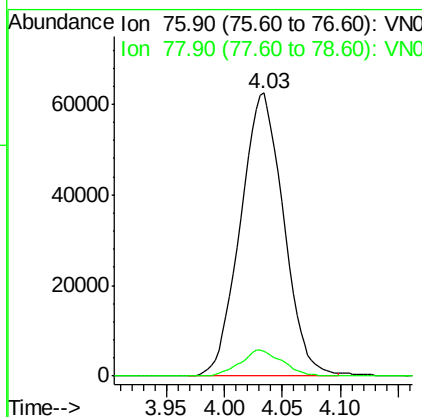
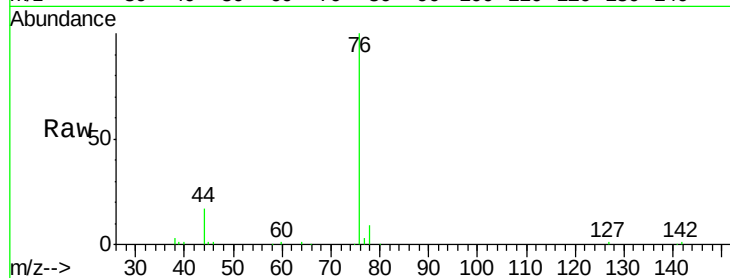
#17
Carbon Disulfide
Concen: 42.023 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.7	11.5

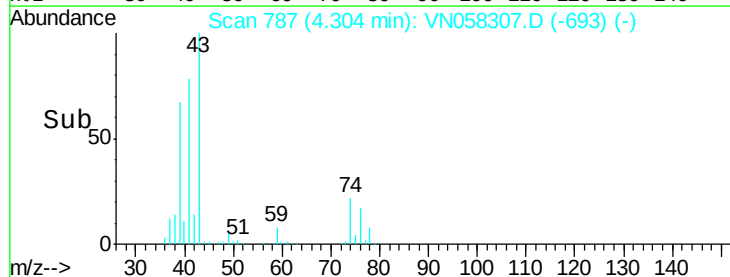
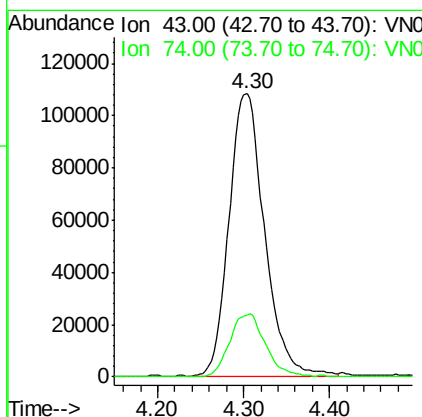
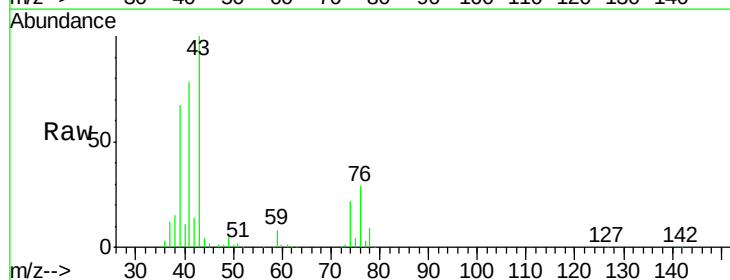
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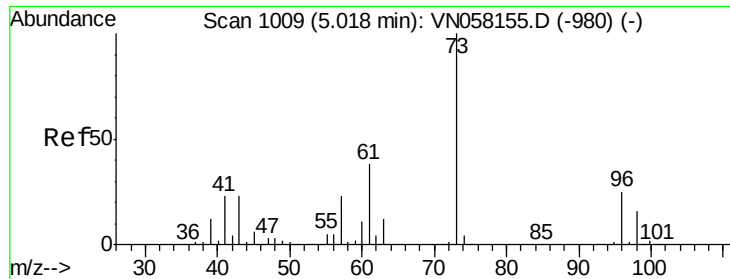
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#18
Methyl Acetate
Concen: 55.757 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.0	27.0





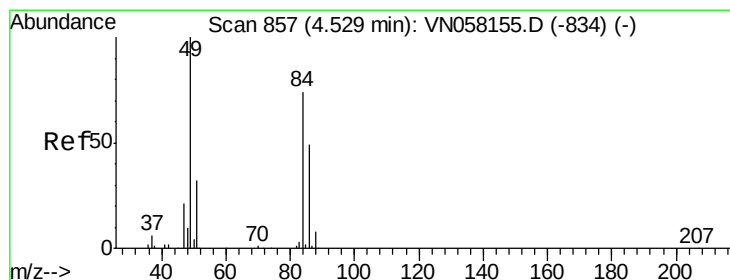
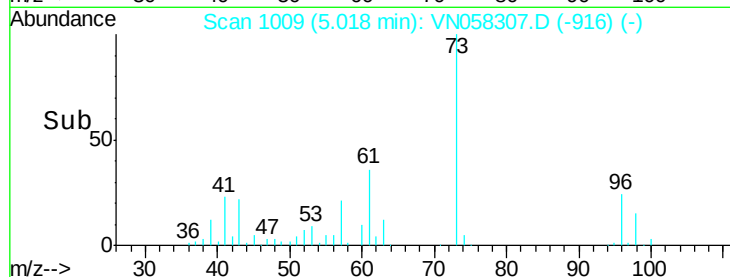
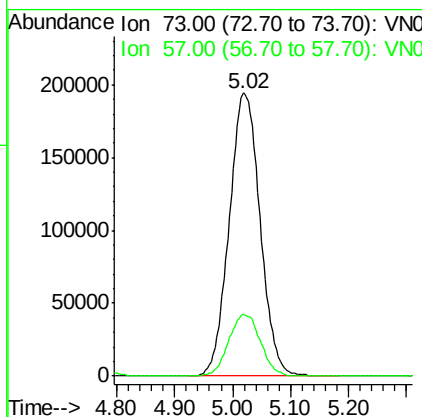
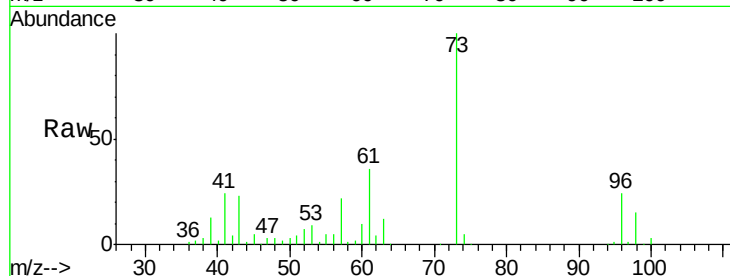
#19
Methvl tert-butyl Ether
Concen: 52.834 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 719123
Ion Ratio Lower Upper
73 100
57 21.8 18.1 27.1

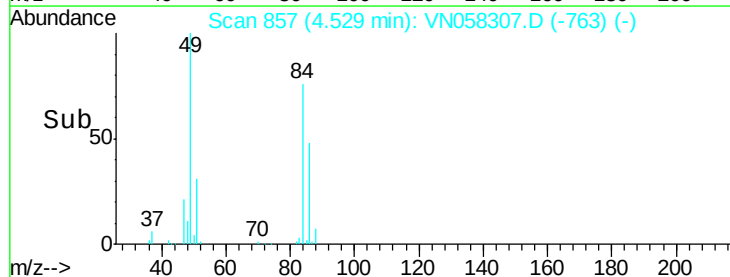
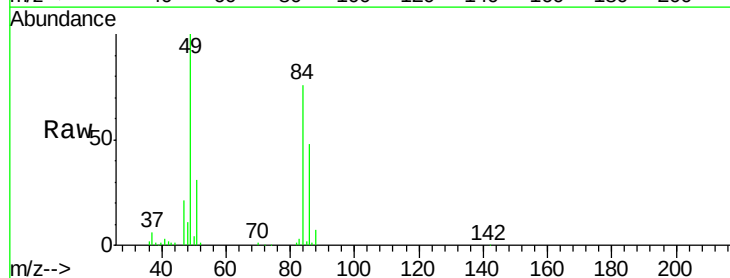
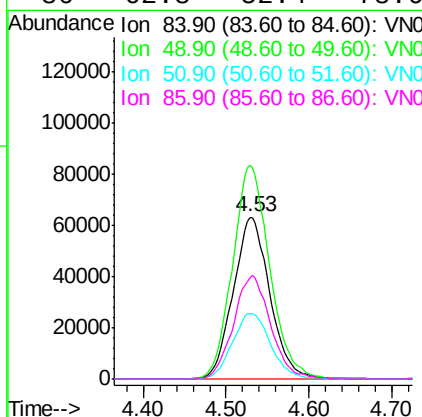
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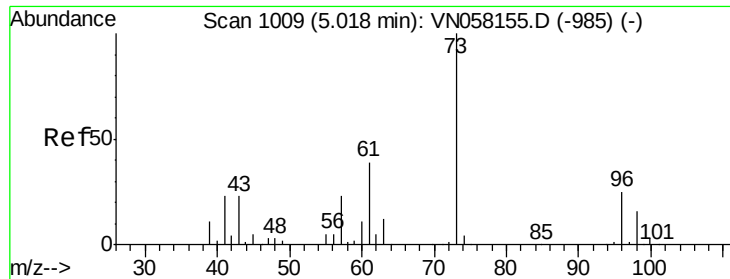
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#20
Methylene Chloride
Concen: 52.558 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion: 84 Resp: 194155
Ion Ratio Lower Upper
84 100
49 132.2 107.5 161.3
51 40.8 33.9 50.9
86 62.8 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 48.819 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

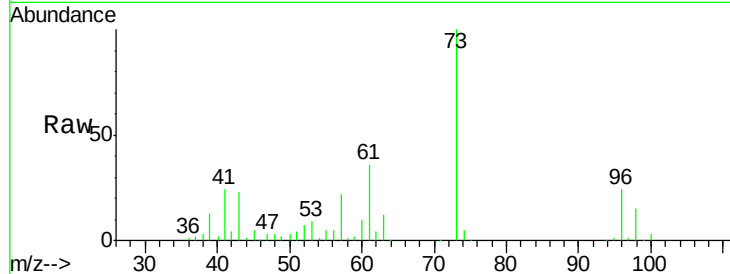
ClientSampleId :

VSTDCCC050

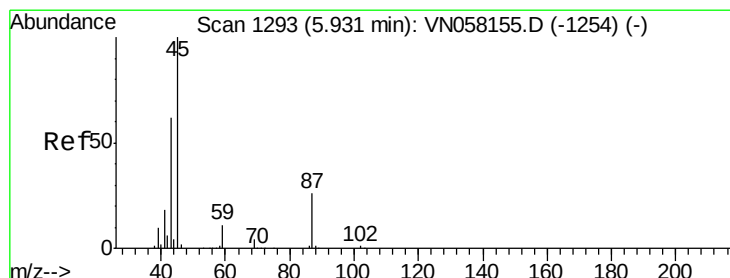
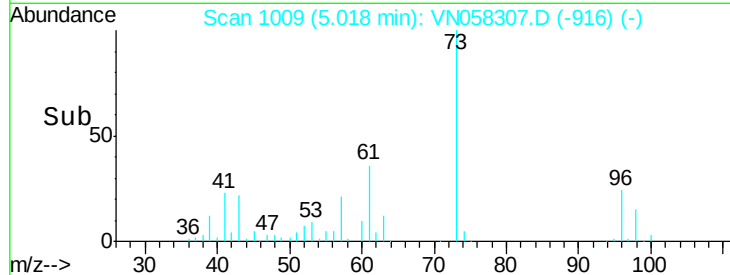
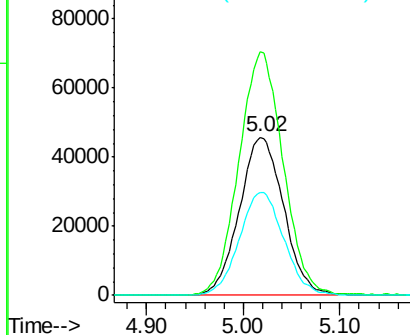
Tot Ion:	96	Resp:	145717
Ion	Ratio	Lower	Upper
96	100		
61	154.2	122.2	183.4
98	64.9	49.9	74.9

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



#22

Diisopropyl ether

Concen: 52.837 ug/l

RT: 5.93 min Scan# 1293

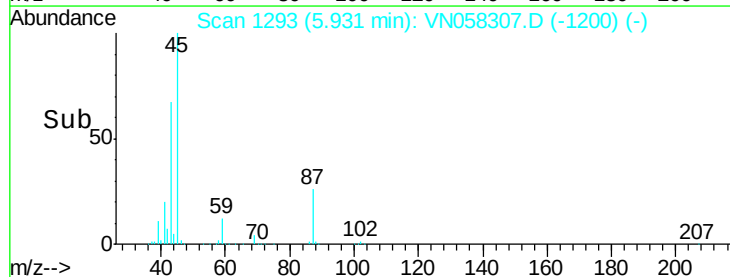
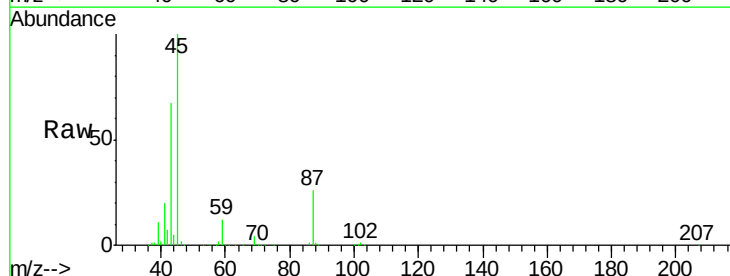
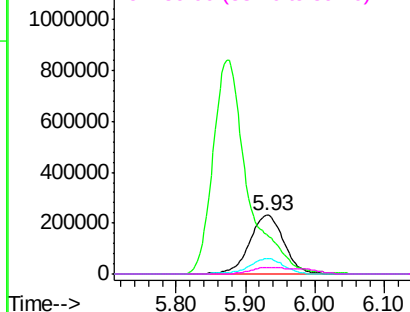
Delta R.T. -0.00 min

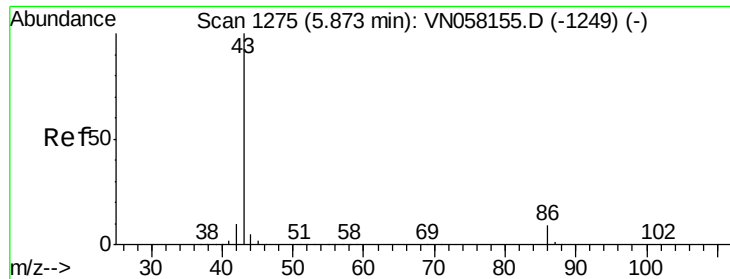
Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Tgt Ion:	45	Resp:	792565
Ion	Ratio	Lower	Upper
45	100		
43	65.4	49.7	74.5
87	26.1	20.7	31.1
59	11.5	9.1	13.7

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





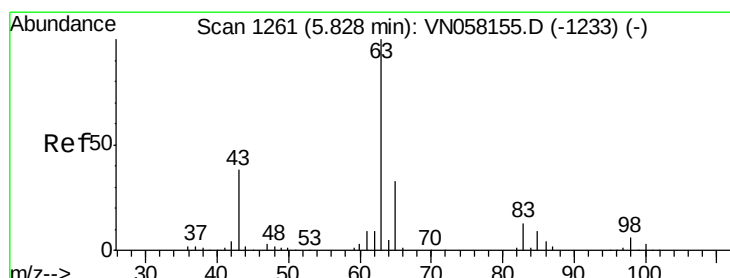
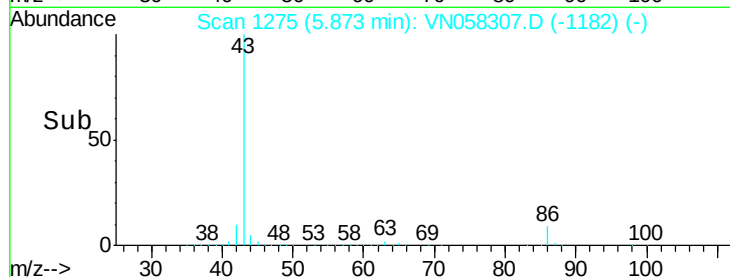
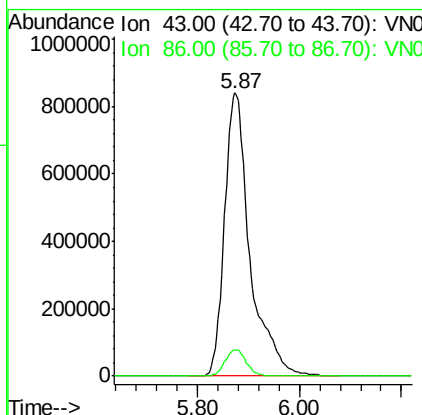
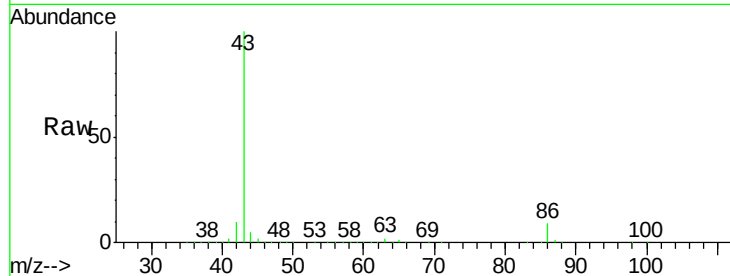
#23
 Vinyl Acetate
 Concen: 283.494 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2909766
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.4 11.2

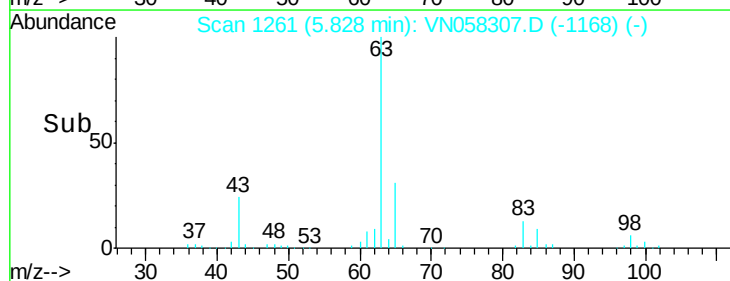
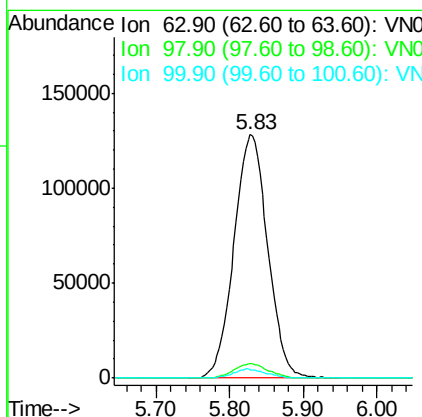
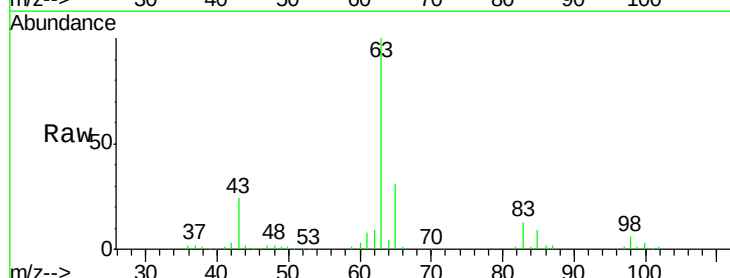
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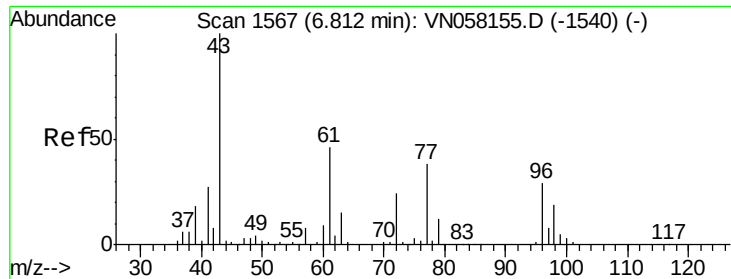
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#24
 1,1-Dichloroethane
 Concen: 50.929 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion: 63 Resp: 407733
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.6
 100 3.5 1.8 5.3





#25

2-Butanone

Concen: 279.315 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 803082

Ion Ratio Lower Upper

43 100

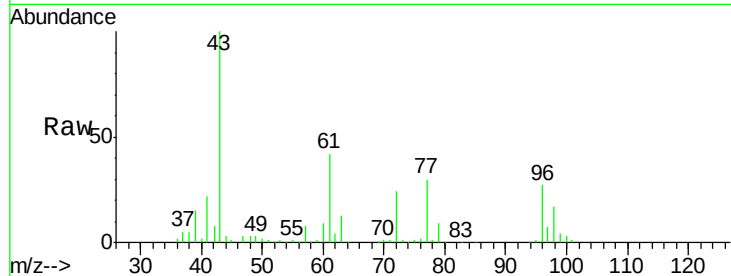
72 24.5 19.5 29.3

Manual Integrations

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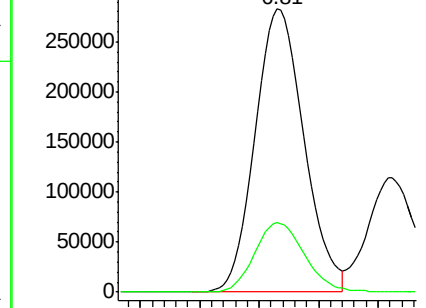
MMDadoda

9/25/2019 12:49:36 AM

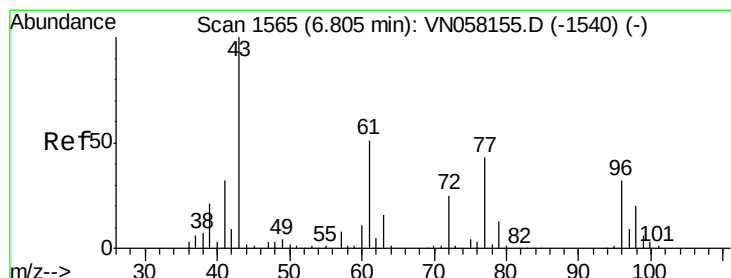
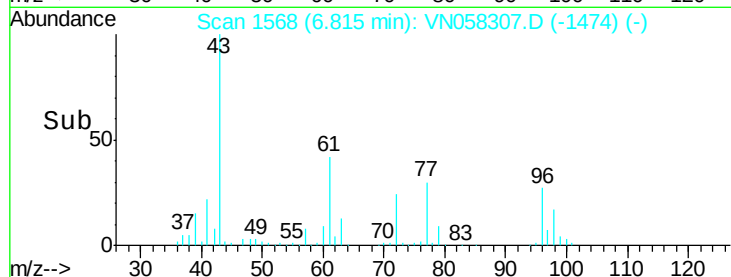


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#26

2,2-Dichloropropane

Concen: 42.909 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058307.D

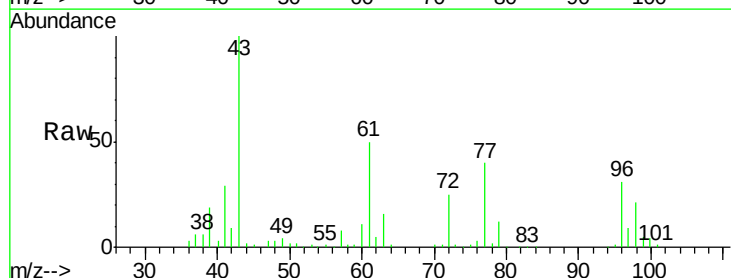
Acq: 23 Sep 2019 21:03

Tgt Ion: 77 Resp: 291433

Ion Ratio Lower Upper

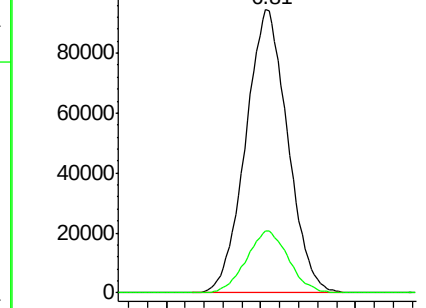
77 100

97 22.0 10.5 31.6

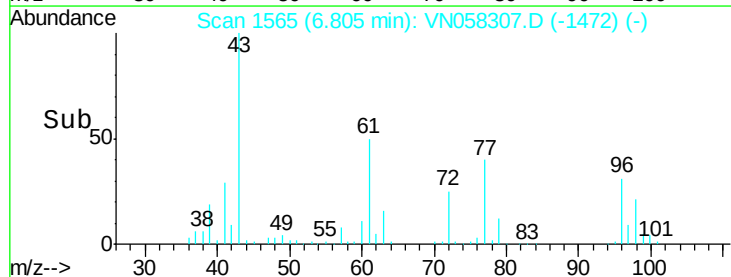


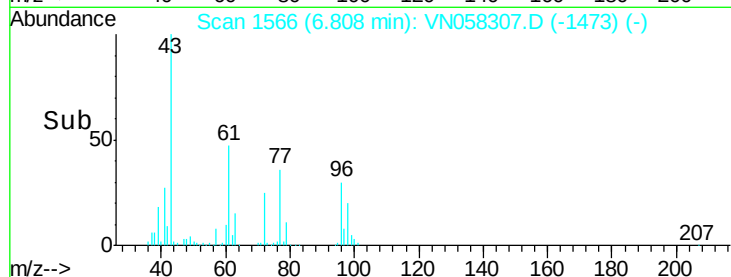
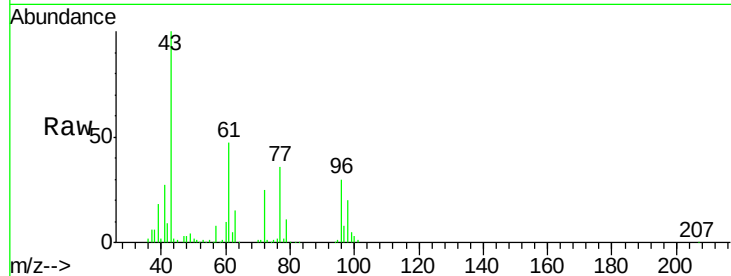
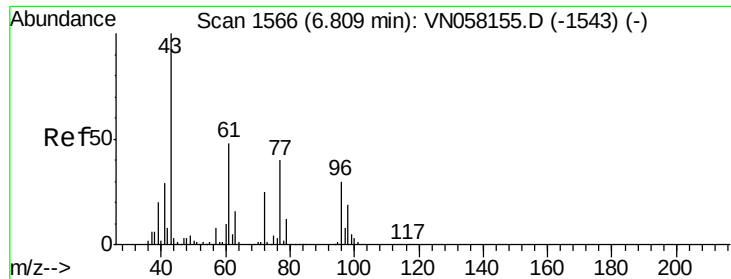
Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time-->





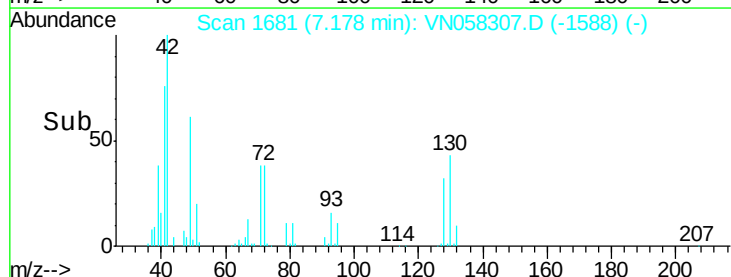
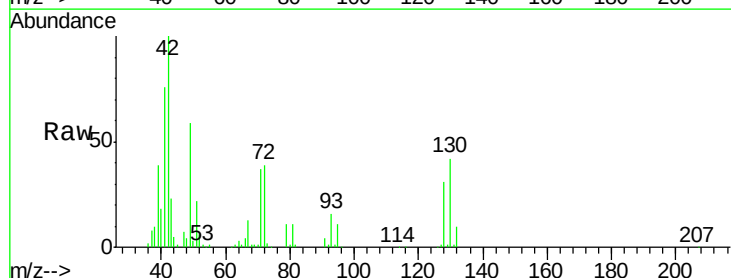
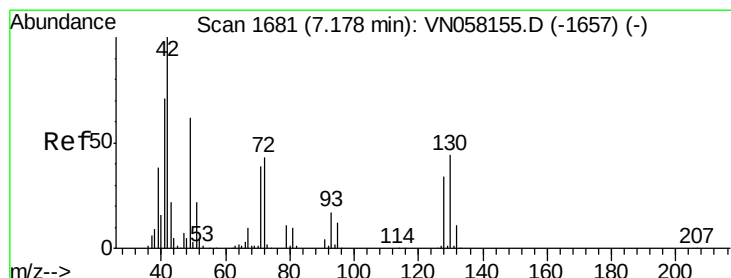
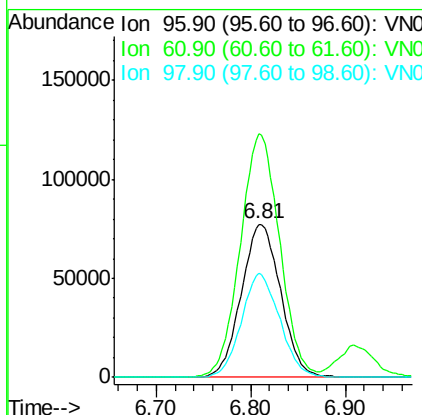
#27
 cis-1,2-Dichloroethene
 Concen: 49.419 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tot Ion	Ratio	Resp	Lower	Upper
96	100	223710		
61	159.1	0.0	319.0	
98	66.3	0.0	126.6	

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

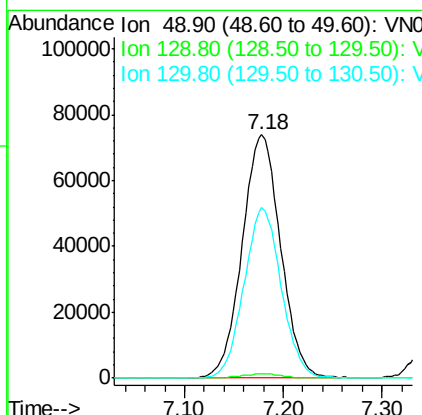
Manual Integrations
 APPROVED

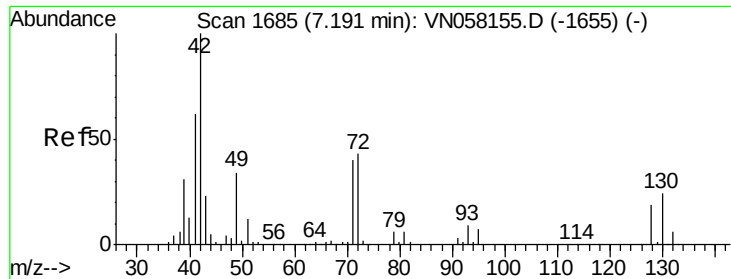
MMDadoda
 9/25/2019 12:49:36 AM



#28
 Bromochloromethane
 Concen: 52.550 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	199019		
129	1.8	0.0	1.8#	
130	67.7	55.4	83.2	





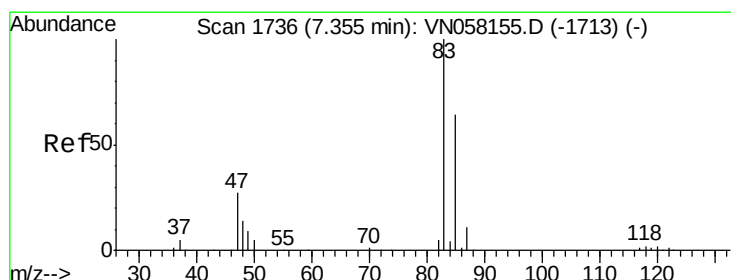
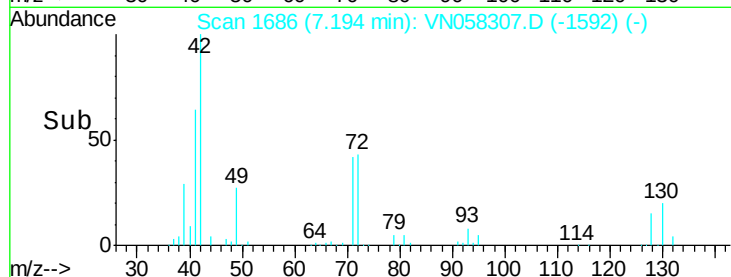
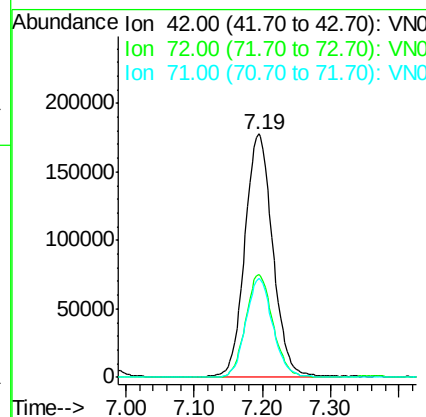
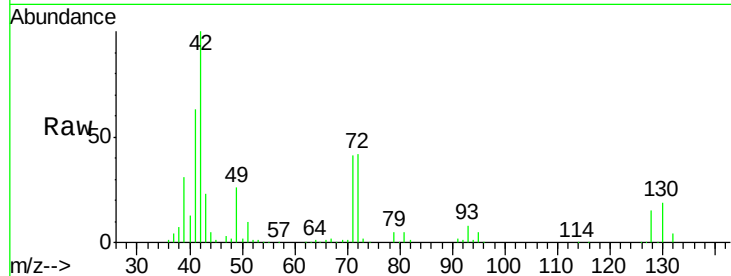
#29
Tetrahydrofuran
Concen: 285.308 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	33.8	50.6
71	39.3	31.4	47.0

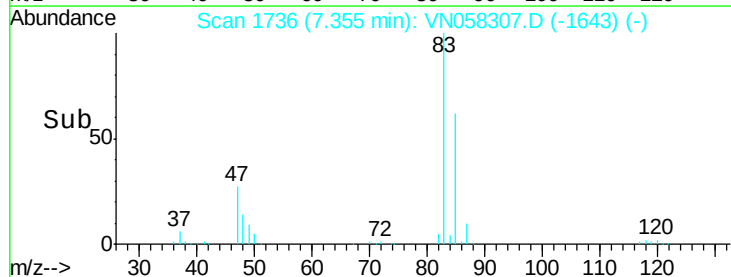
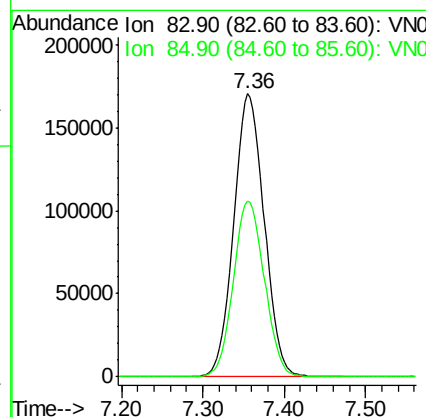
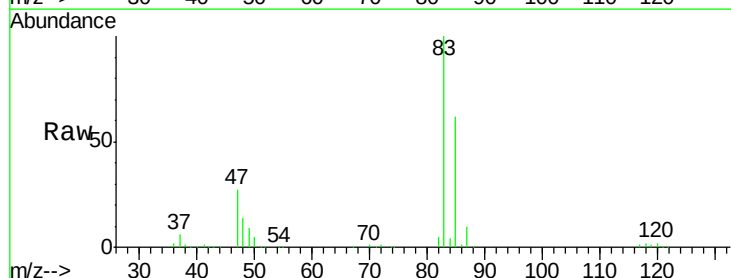
Manual Integrations
APPROVED

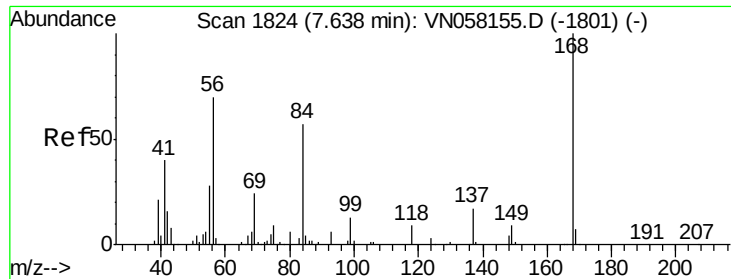
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#30
Chloroform
Concen: 51.643 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.4	77.2





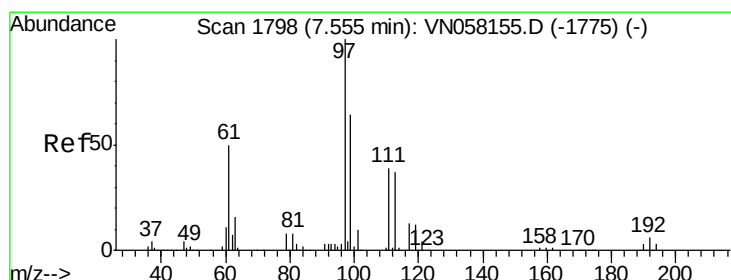
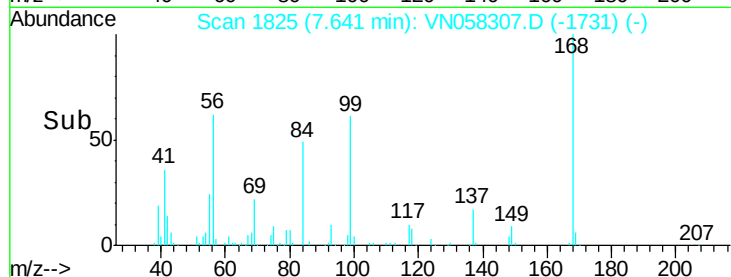
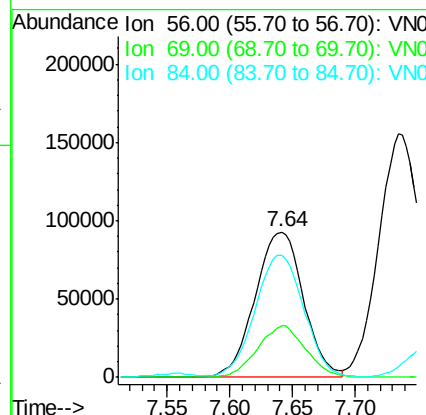
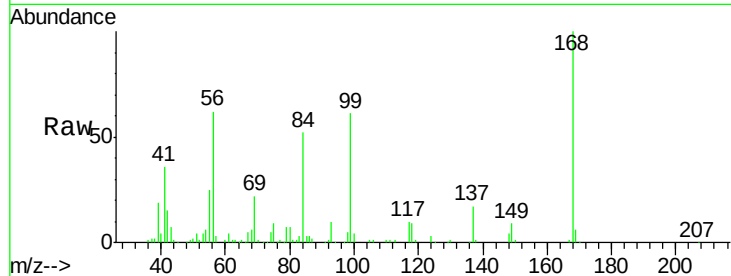
#31
Cyclohexane
Concen: 48.078 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.7	27.3	40.9
84	82.1	65.0	97.4

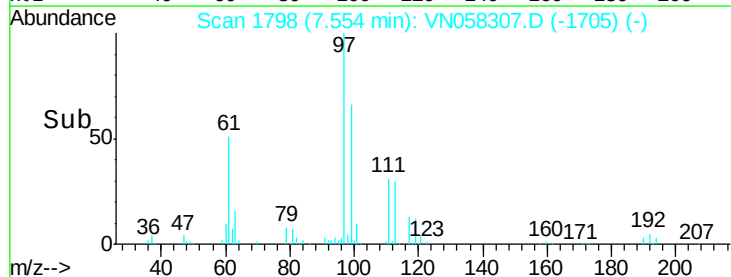
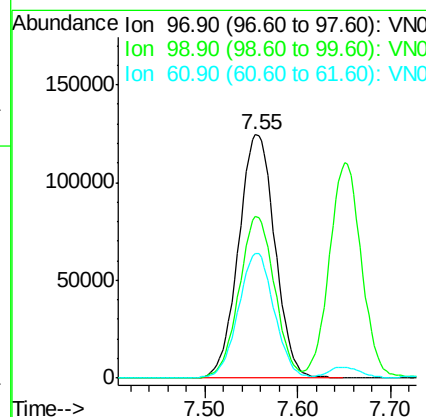
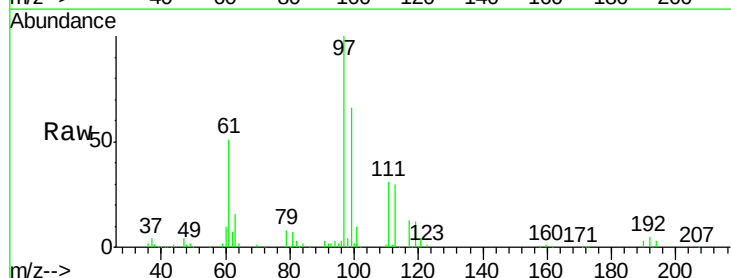
Manual Integrations
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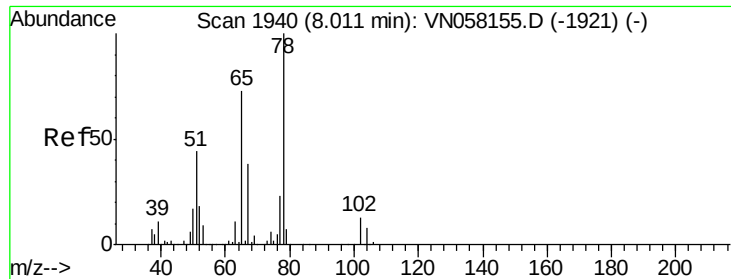
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.657 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.9	76.3
61	50.6	39.2	58.8





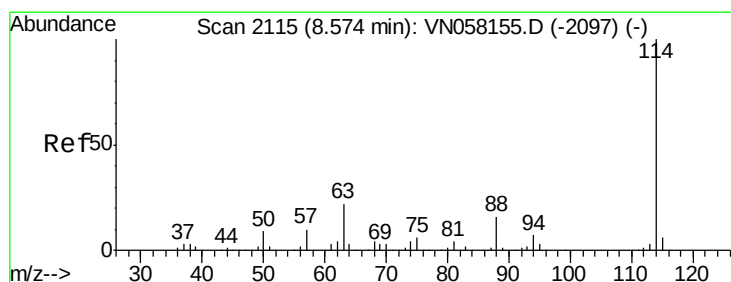
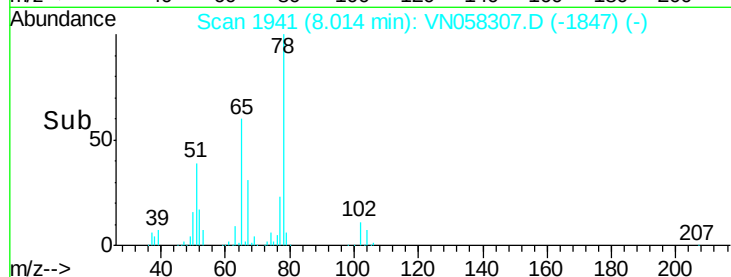
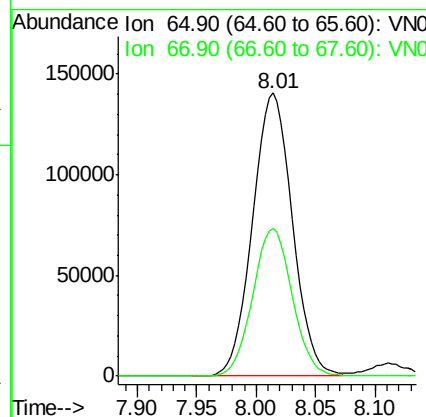
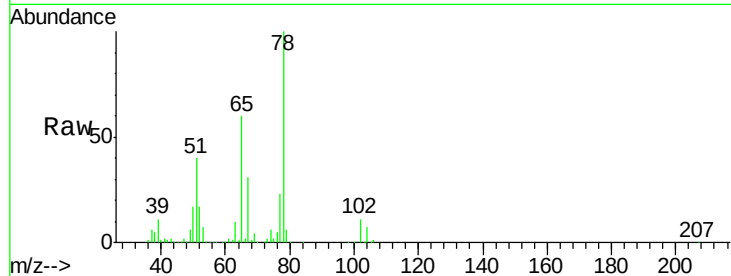
#33
 1,2-Dichloroethane-d4
 Concen: 52.423 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

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

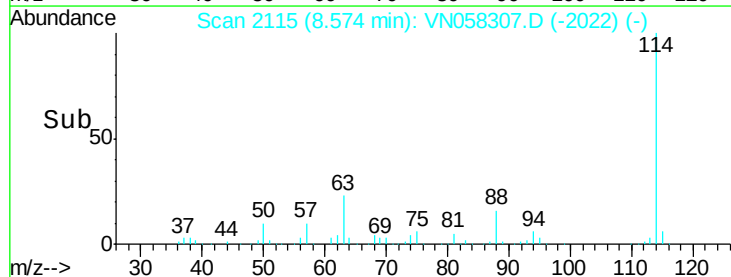
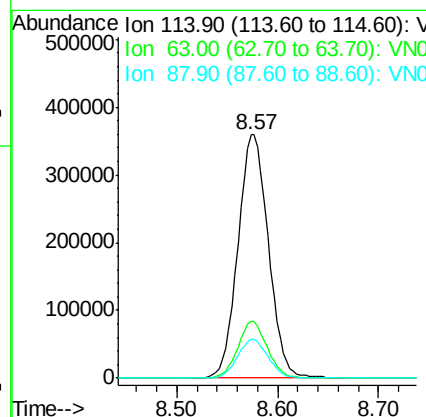
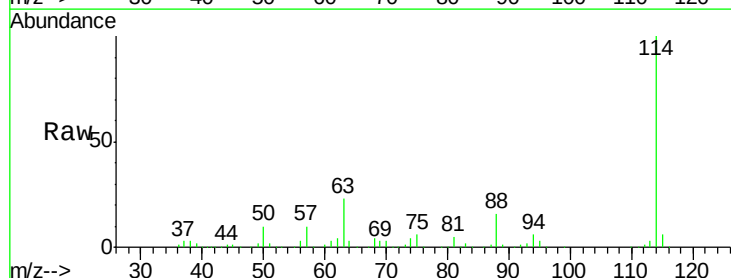
Manual Integrations
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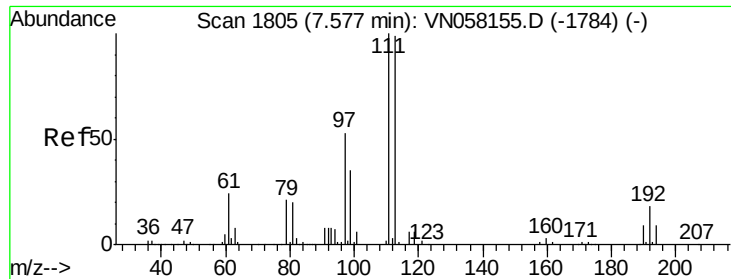
MMDadoda
 9/25/2019 12:49:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.4	0.0	44.2	
88	15.7	0.0	31.6	





#35

Dibromofluoromethane

Concen: 51.126 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

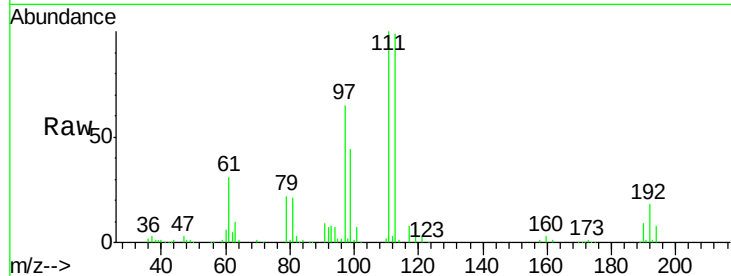
ClientSampleId :

VSTDCCC050

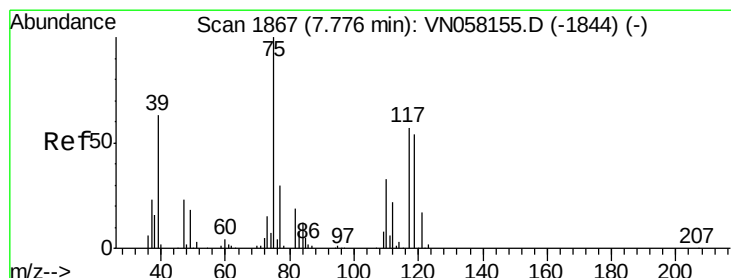
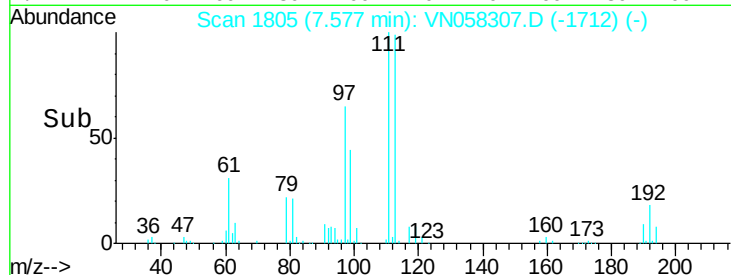
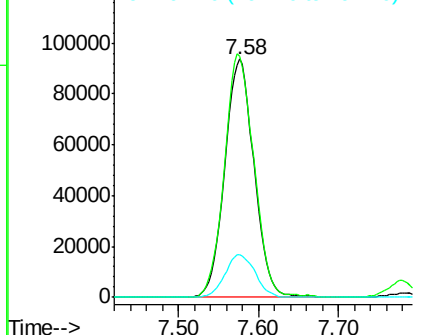
Tot Ion:	113	Resp:	233893
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.8	122.6
192	18.4	14.5	21.7

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.498 ug/l

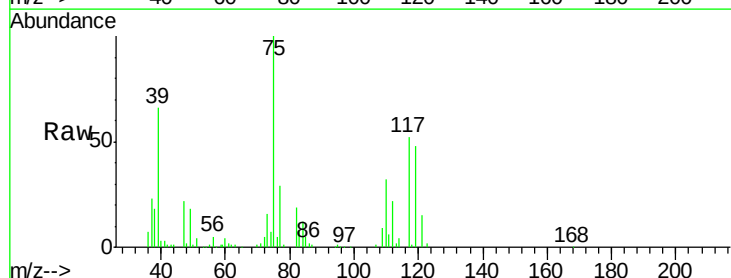
RT: 7.78 min Scan# 1868

Delta R.T. 0.00 min

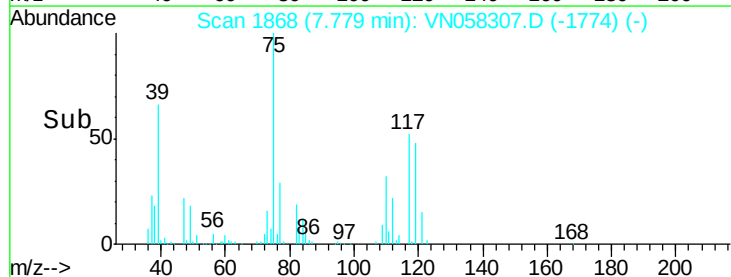
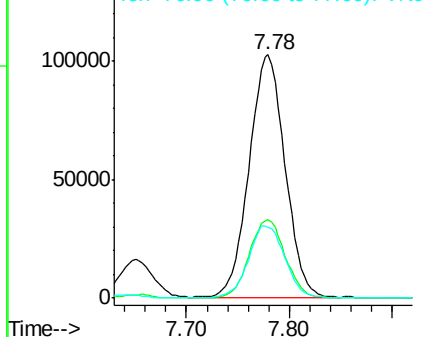
Lab File: VN058307.D

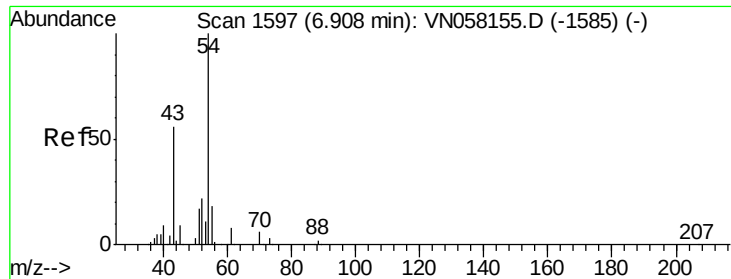
Acq: 23 Sep 2019 21:03

Tgt Ion:	75	Resp:	246916
Ion Ratio	Lower	Upper	
75	100		
110	32.5	16.6	49.7
77	30.5	24.3	36.5



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





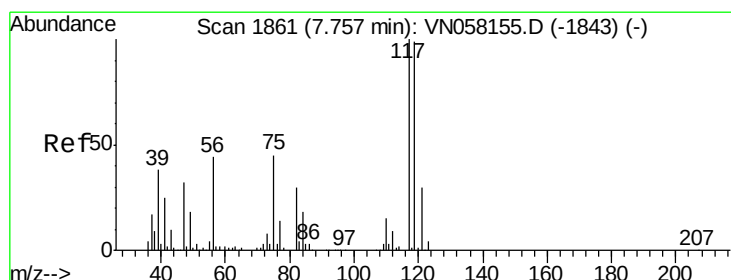
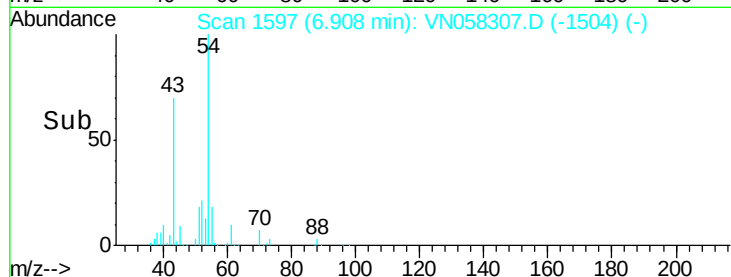
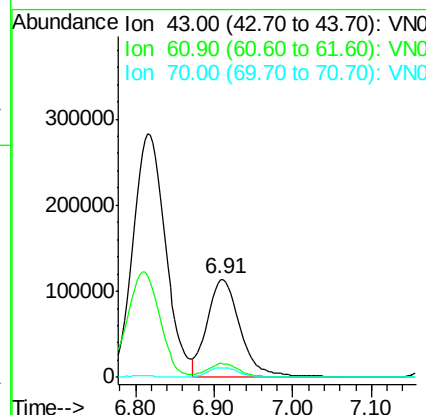
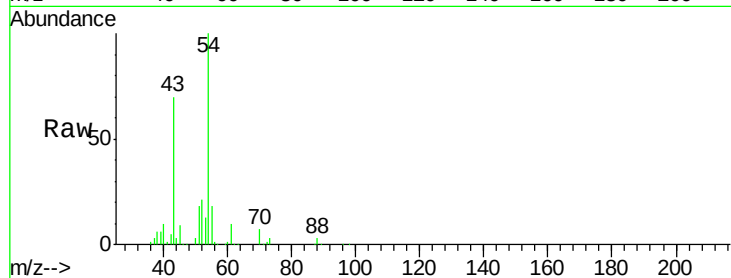
#37
Ethyl Acetate
Concen: 57.799 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	9.3	7.6	11.4

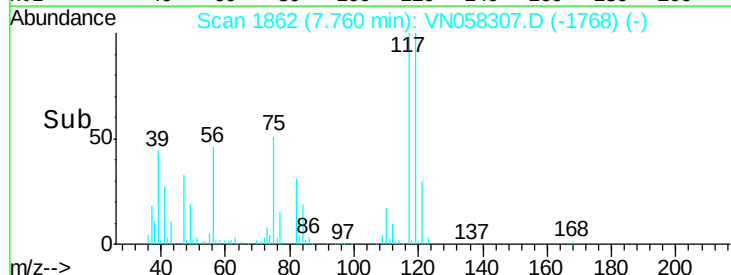
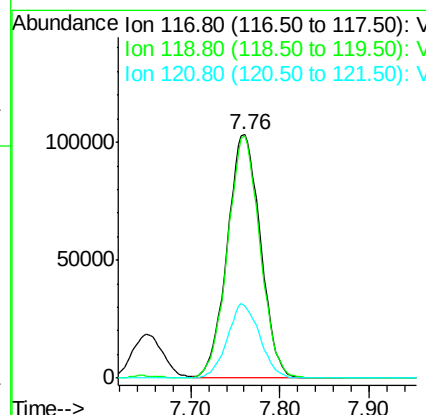
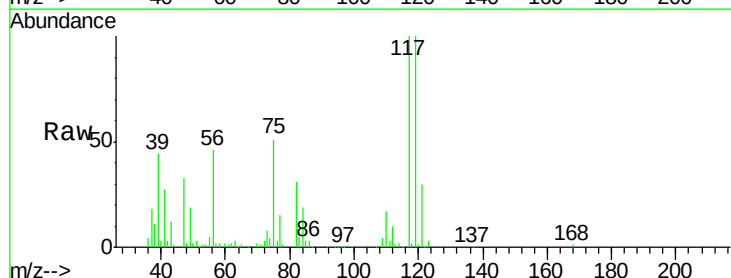
Manual Integrations
APPROVED

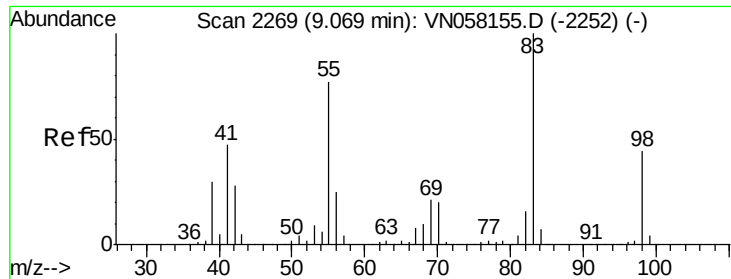
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#38
Carbon Tetrachloride
Concen: 48.950 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	78.6	117.8
121	29.6	24.1	36.1





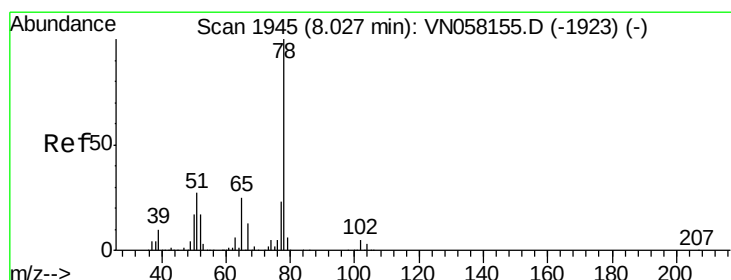
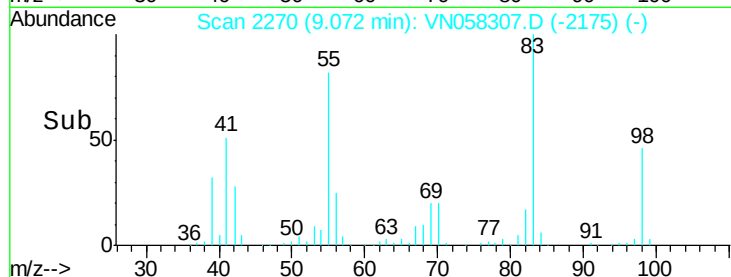
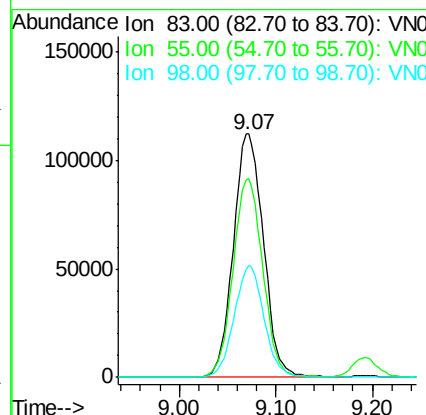
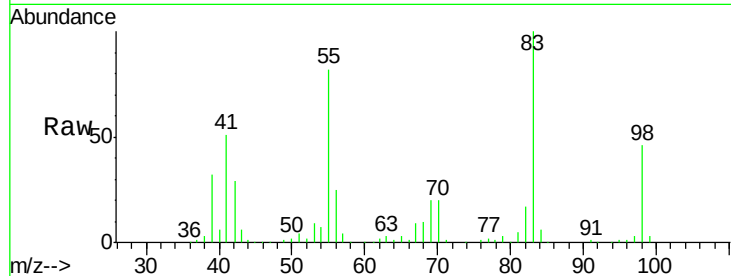
#39
Methylvlcyclohexane
Concen: 46.192 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.7	61.9	92.9
98	45.9	35.4	53.2

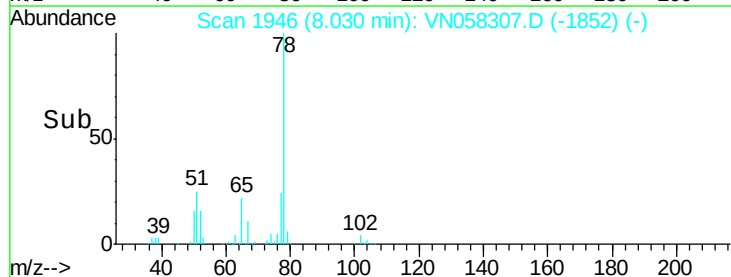
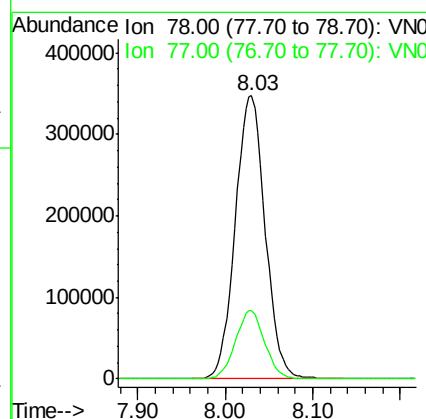
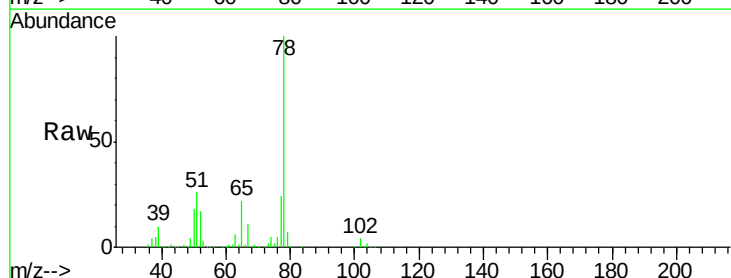
Manual Integrations
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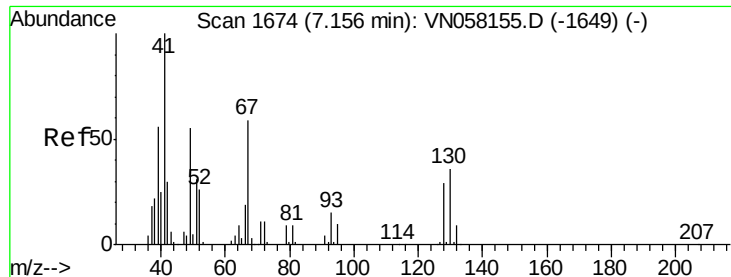
MMDadoda
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#40
Benzene
Concen: 49.598 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





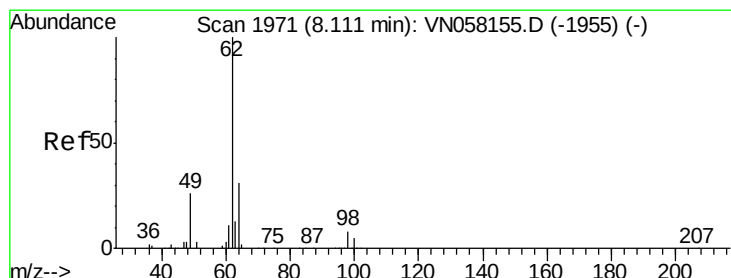
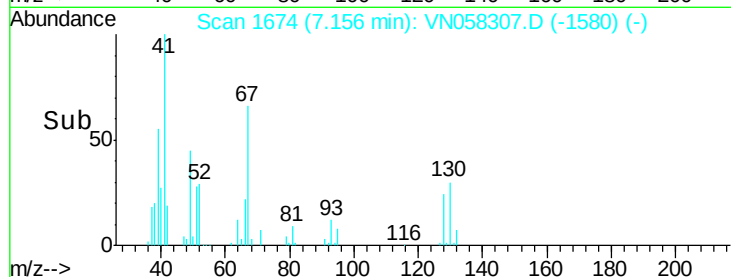
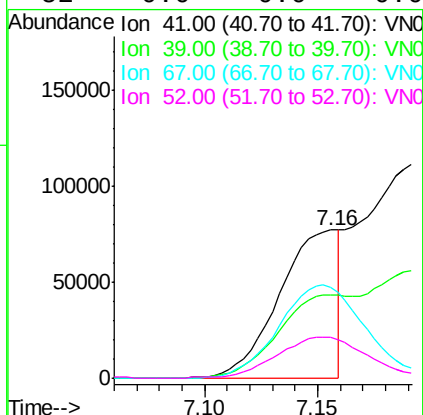
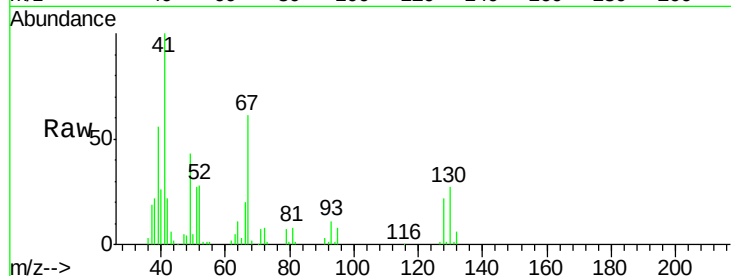
#41
Methacrylonitrile
Concen: 49.597 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	140699
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

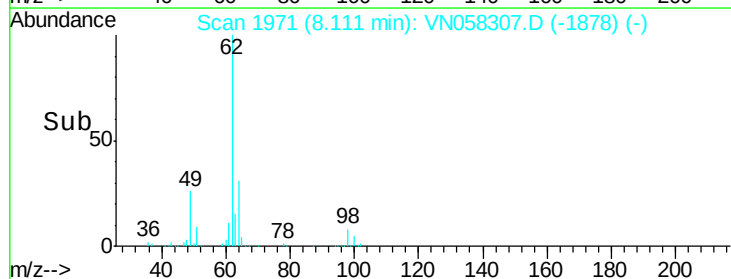
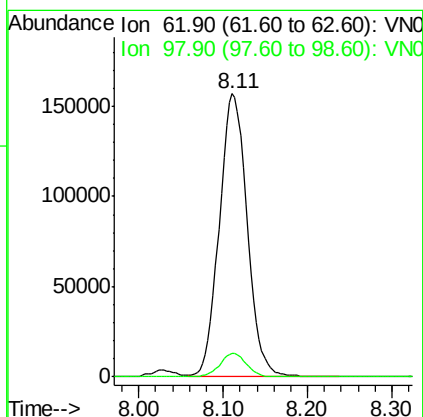
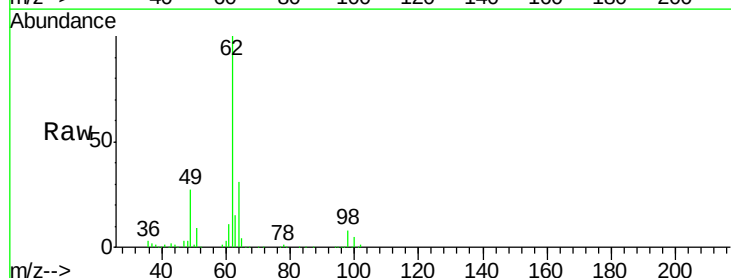
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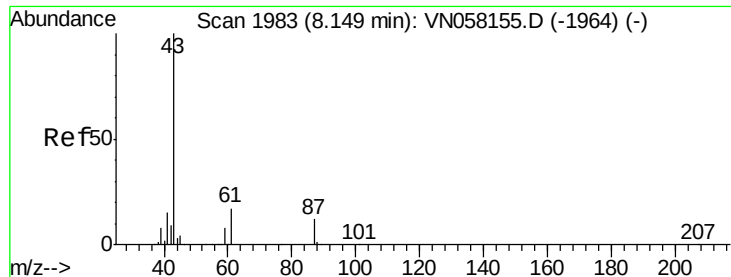
MMDadoda
9/25/2019 12:49:36 AM



#42
1,2-Dichloroethane
Concen: 51.828 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion	62	Resp	360480
Ion Ratio	Lower	Upper	
62	100		
98	7.9	0.0	15.6





#43

Isopropyl Acetate

Concen: 53.180 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

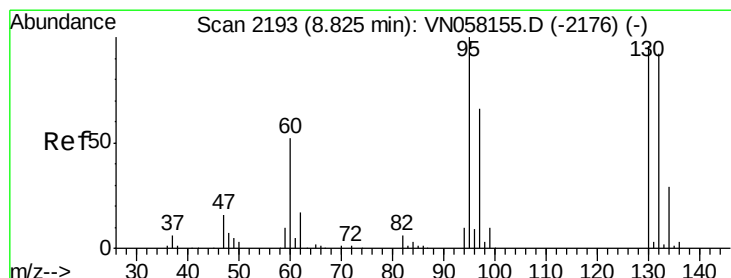
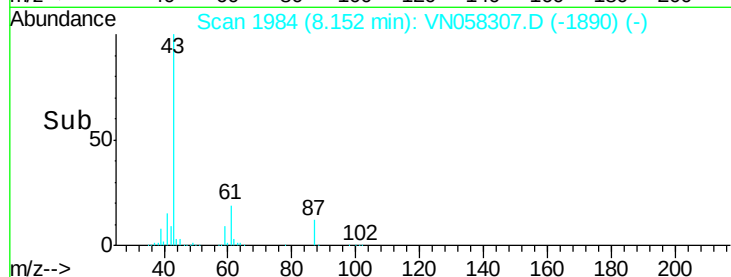
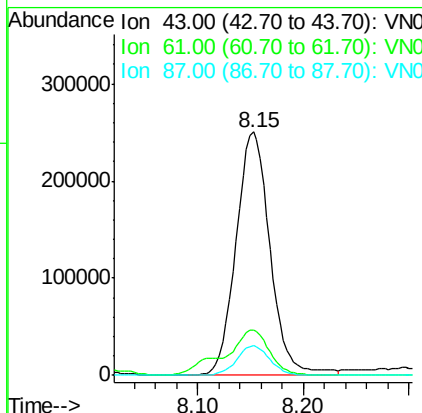
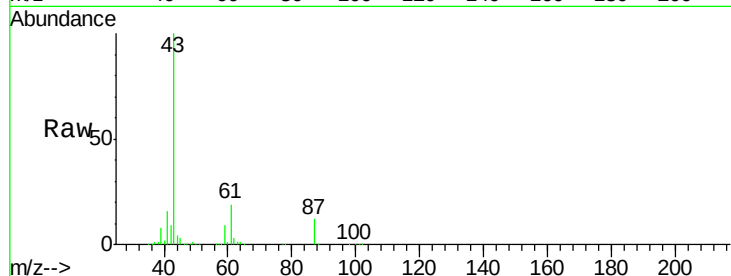
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	559368
Ion	Ratio	Lower	Upper
43	100		
61	18.8	19.7	29.5#
87	11.9	9.4	14.2

Manual Integrations
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#44

Trichloroethene

Concen: 49.177 ug/l

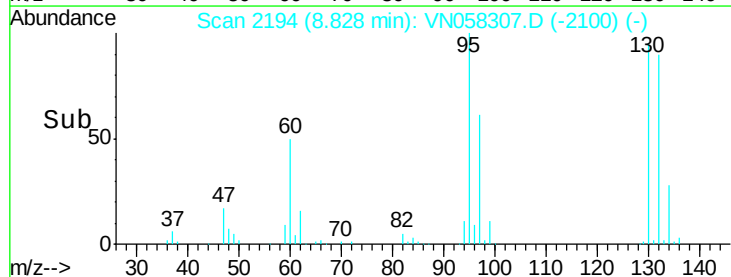
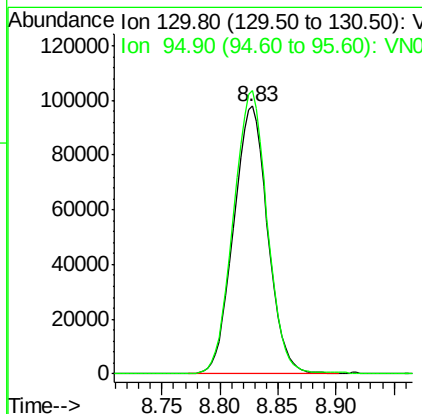
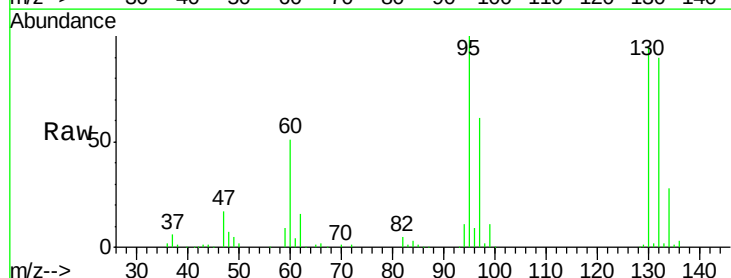
RT: 8.83 min Scan# 2194

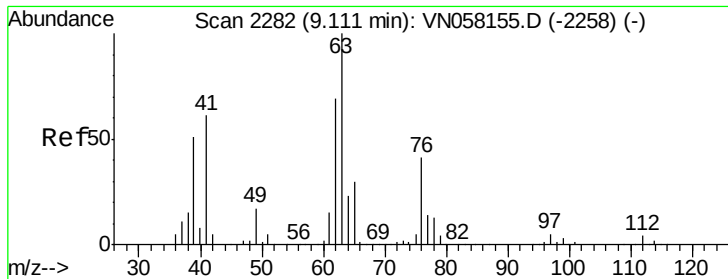
Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Tgt Ion:	130	Resp:	199477
Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	207.8





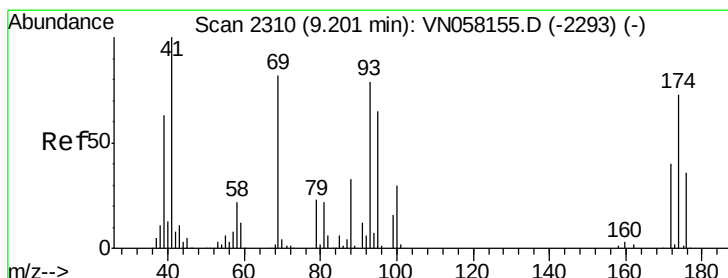
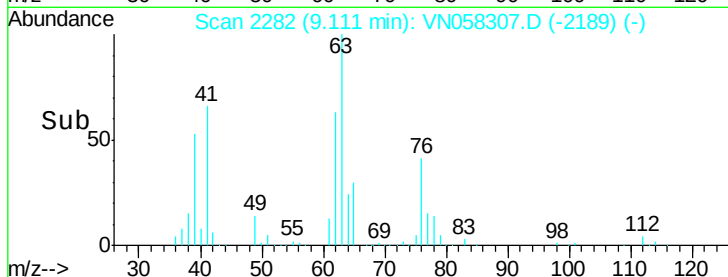
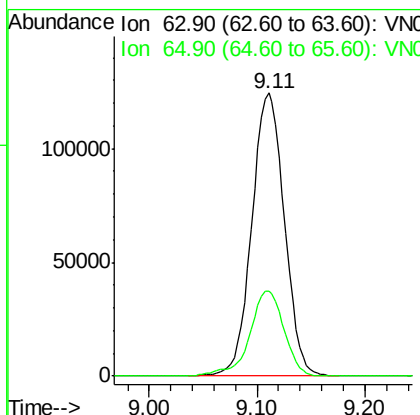
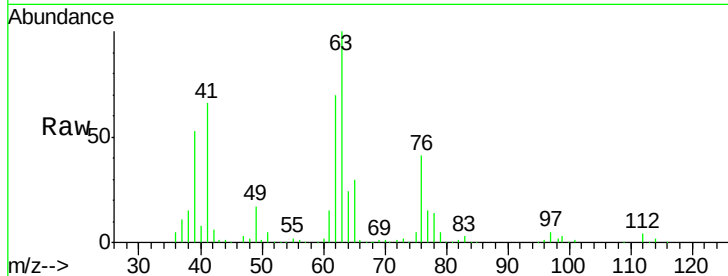
#45
 1,2-Dichloropropane
 Concen: 52.653 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	23.8	35.6

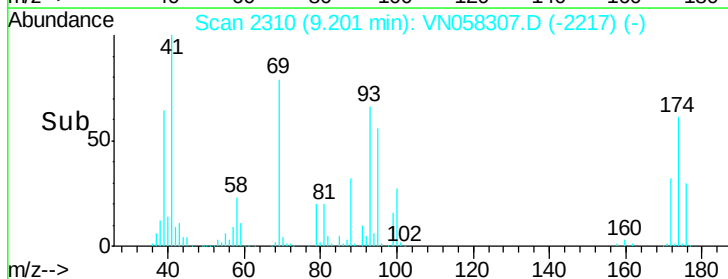
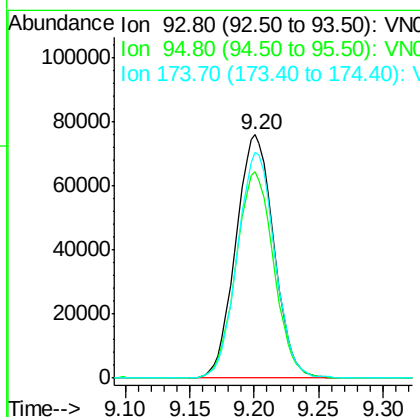
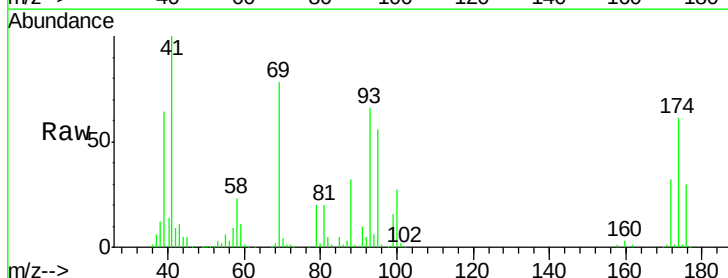
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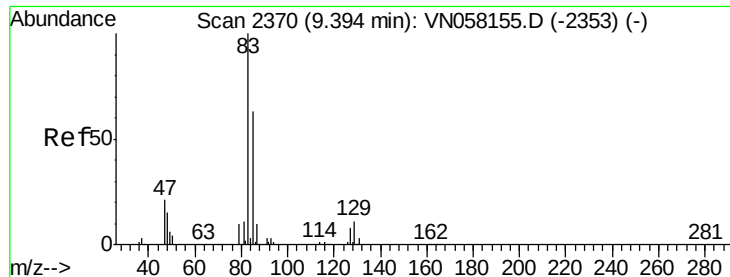
MMDadoda
 9/25/2019 12:49:36 AM



#46
 Dibromomethane
 Concen: 51.647 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	66.8	100.2
174	91.5	73.8	110.8





#47

Bromodichloromethane

Concen: 53.773 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

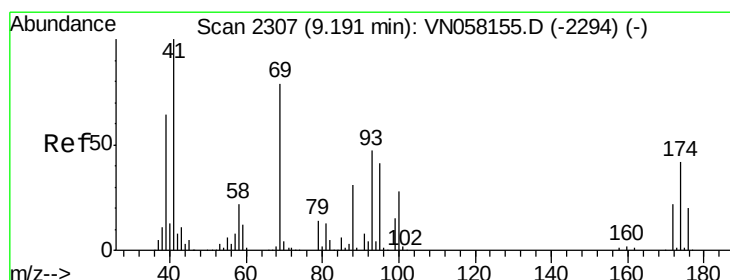
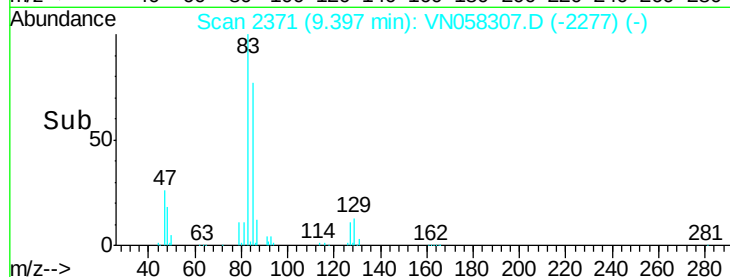
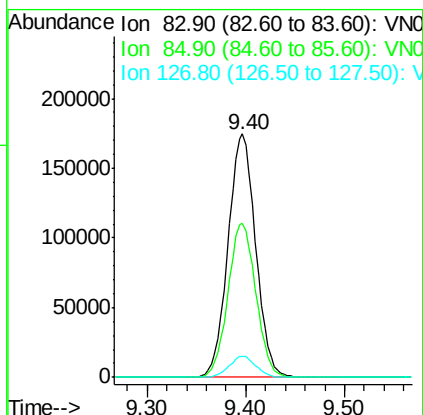
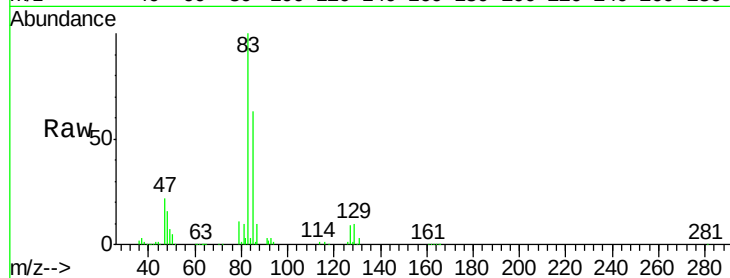
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	339042
Ion Ratio	Lower	Upper	
83	100		
85	63.2	50.1	75.1
127	8.7	6.4	9.6

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 56.618 ug/l

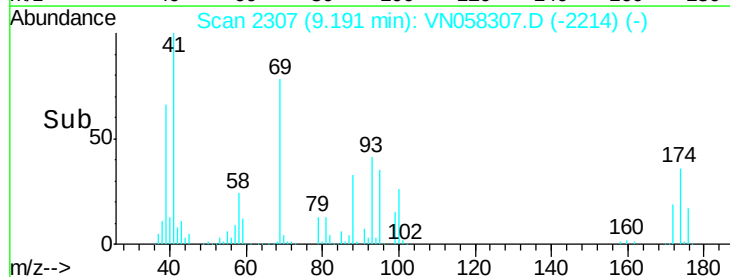
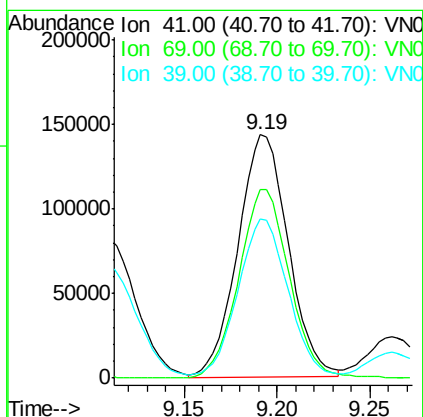
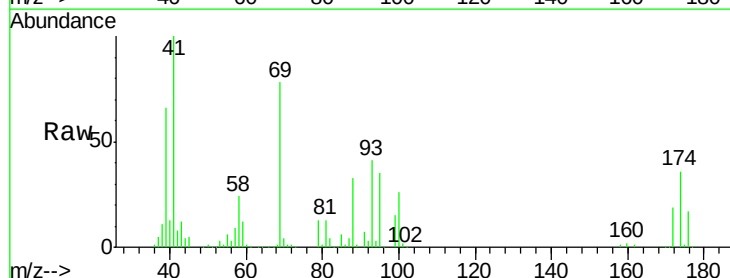
RT: 9.19 min Scan# 2307

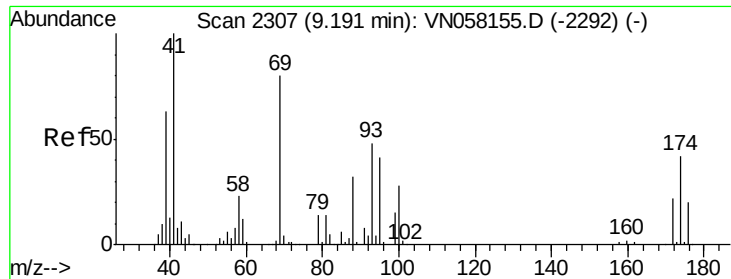
Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Tgt Ion:	41	Resp:	270396
Ion Ratio	Lower	Upper	
41	100		
69	78.5	62.5	93.7
39	65.4	52.3	78.5





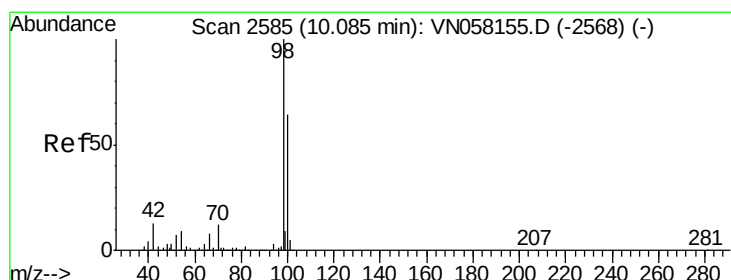
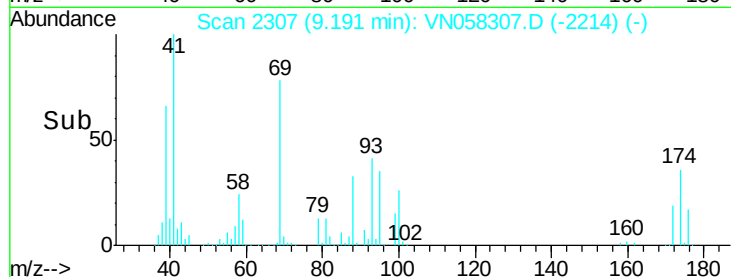
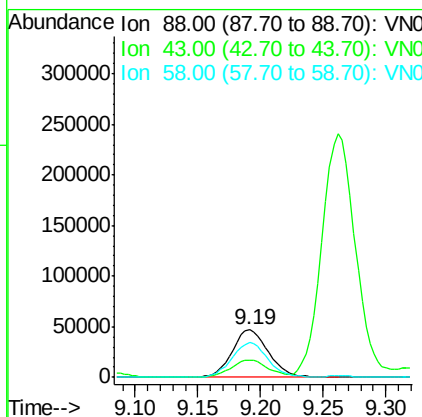
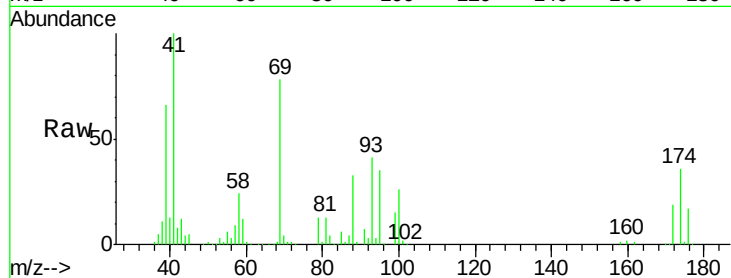
#49
 1,4-Dioxane
 Concen: 1223.735 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	27.8	41.8
58	71.5	55.0	82.4

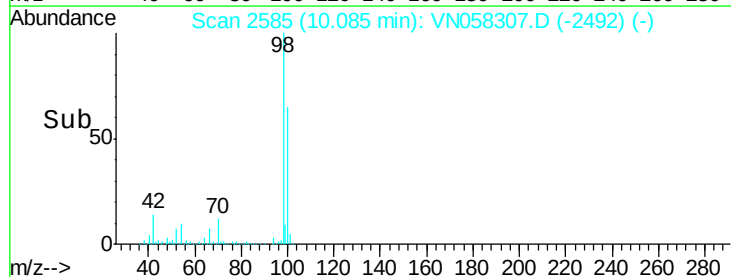
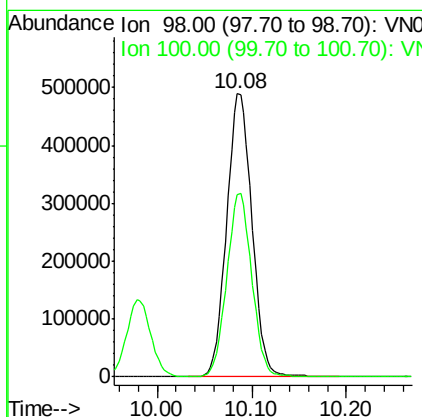
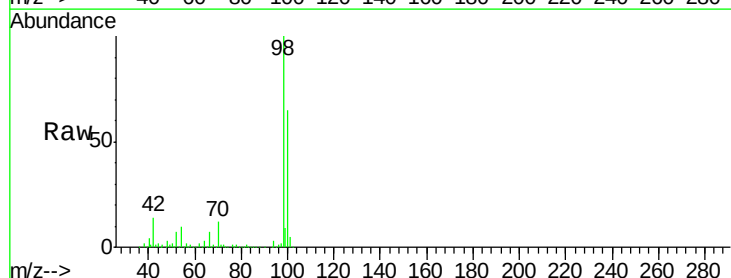
Manual Integrations
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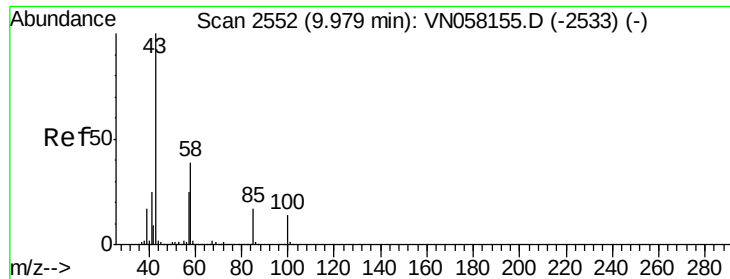
MMDadoda
 9/25/2019 12:49:36 AM



#50
 Toluene-d8
 Concen: 51.046 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 323.407 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1806835

Ion Ratio Lower Upper

43 100

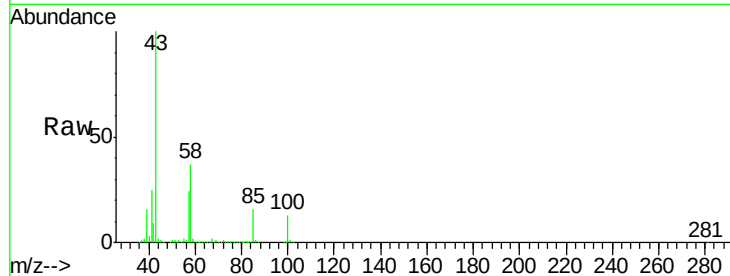
58 36.9 30.2 45.4

Manual Integrations

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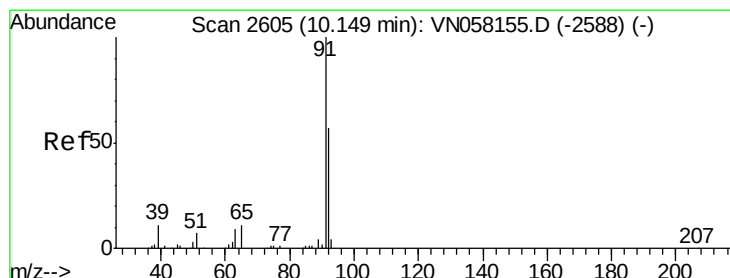
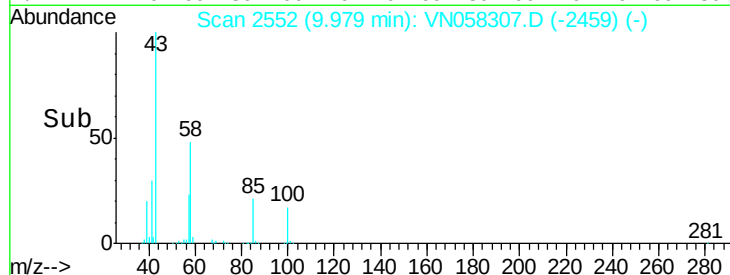
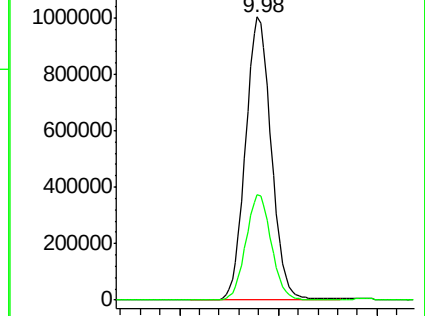
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.151 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058307.D

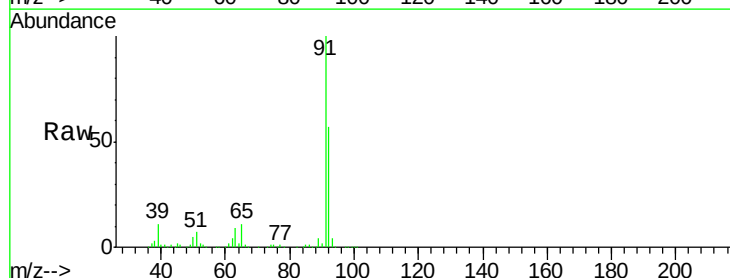
Acq: 23 Sep 2019 21:03

Tgt Ion: 92 Resp: 520977

Ion Ratio Lower Upper

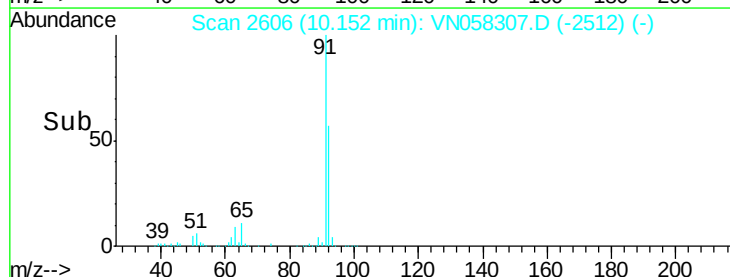
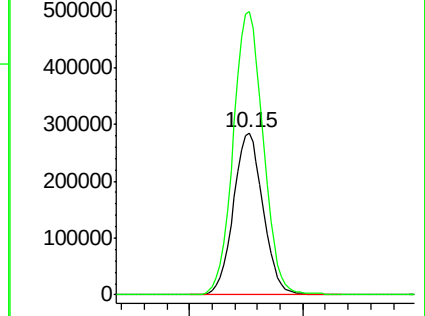
92 100

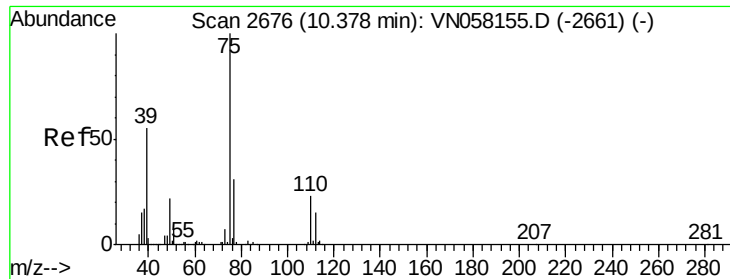
91 177.0 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





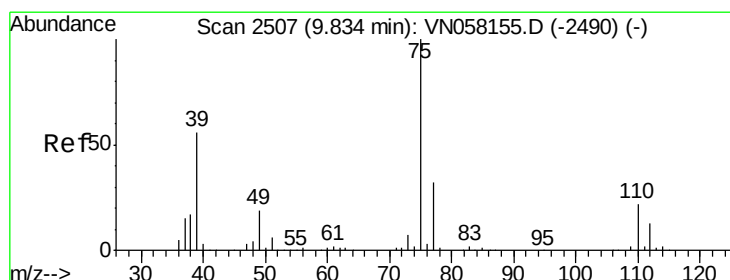
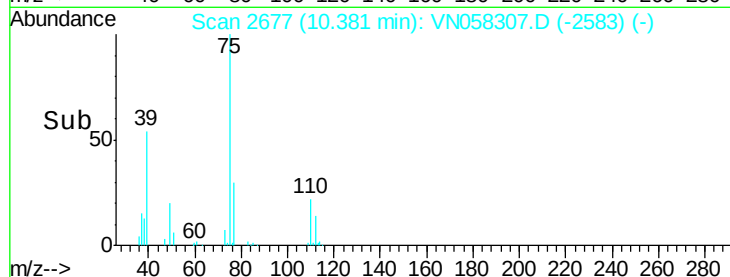
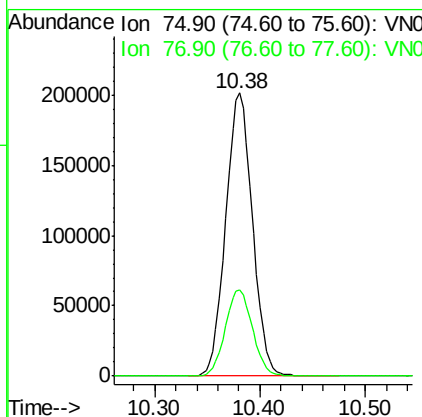
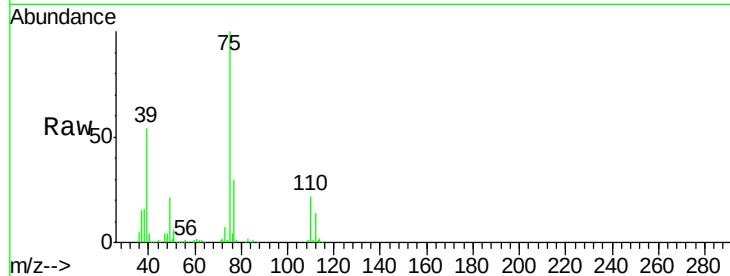
#53
t-1,3-Dichloropropene
Concen: 54.682 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 353169
Ion Ratio Lower Upper
75 100
77 30.3 24.9 37.3

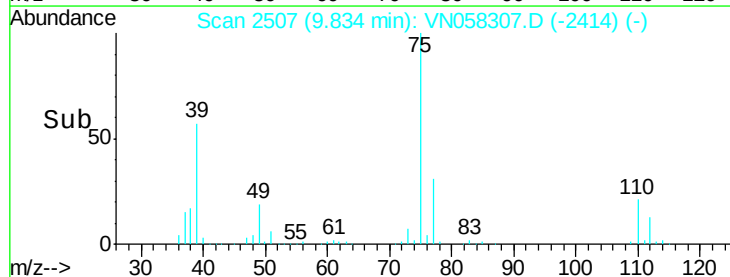
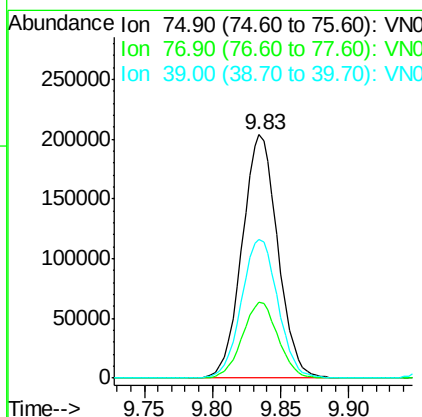
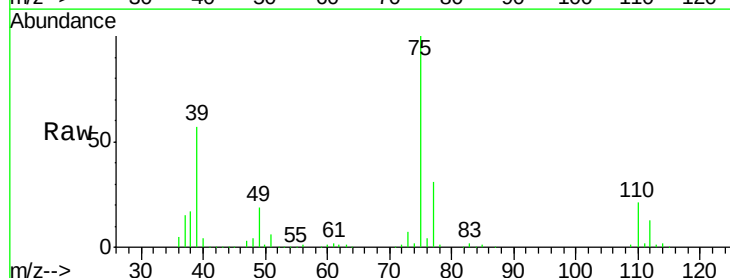
Manual Integrations
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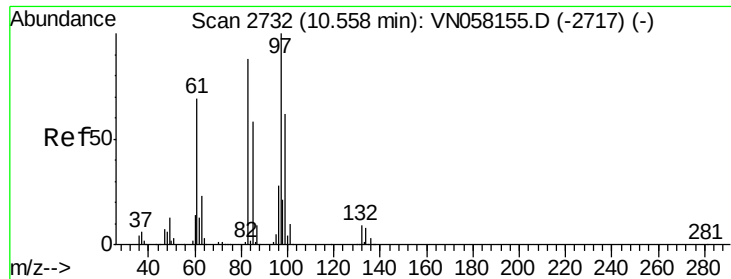
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.739 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion: 75 Resp: 368936
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.0
39 57.0 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 54.696 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

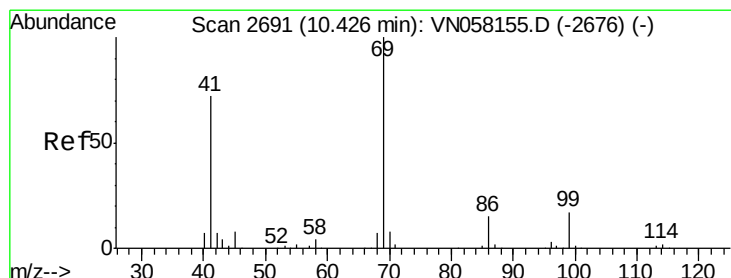
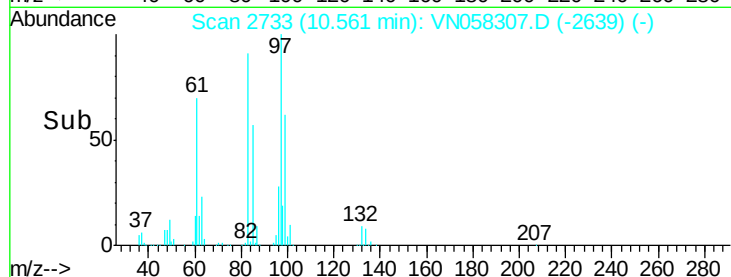
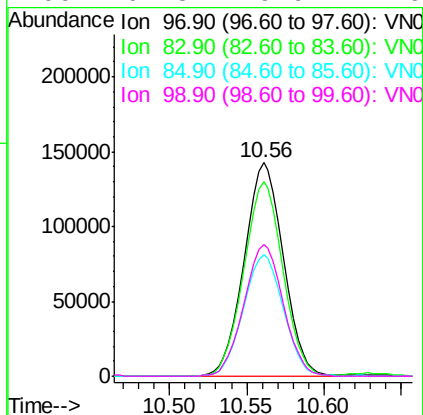
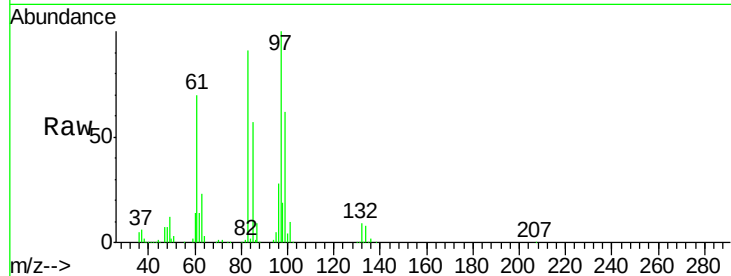
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	252150
Ion	Ratio	Lower	Upper
97	100		
83	91.3	70.4	105.6
85	56.8	46.8	70.2
99	61.8	49.9	74.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 56.584 ug/l

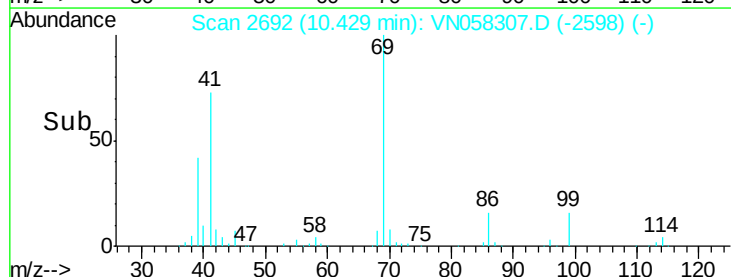
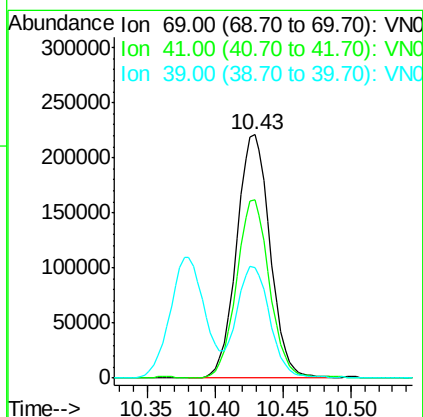
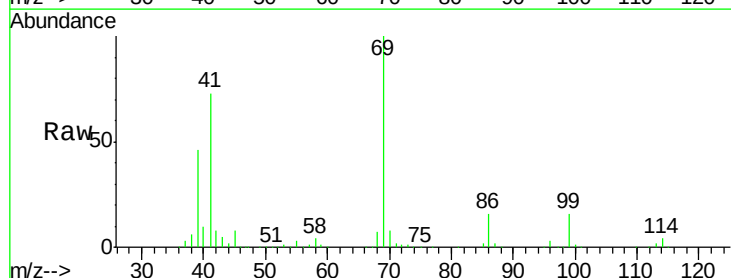
RT: 10.43 min Scan# 2692

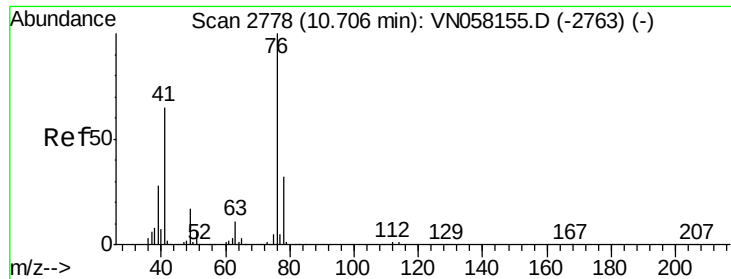
Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Tgt Ion:	69	Resp:	376367
Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.5	86.3
39	45.7	36.1	54.1





#57

1,3-Dichloropropane

Concen: 54.218 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 429689

Ion Ratio Lower Upper

76 100

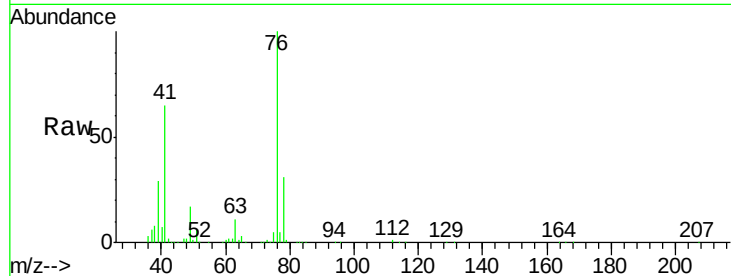
78 31.6 25.4 38.0

Manual Integrations

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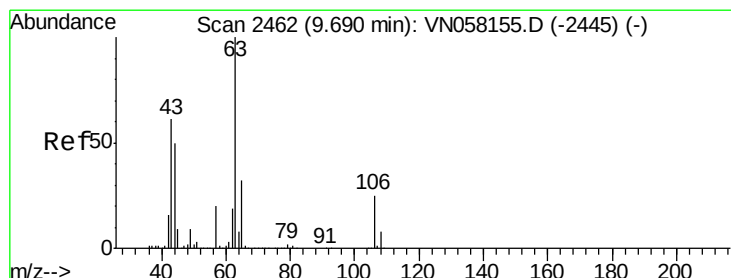
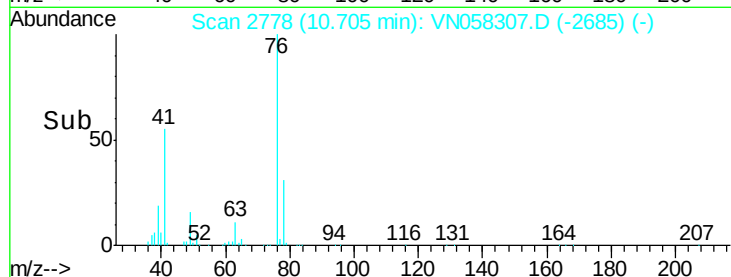
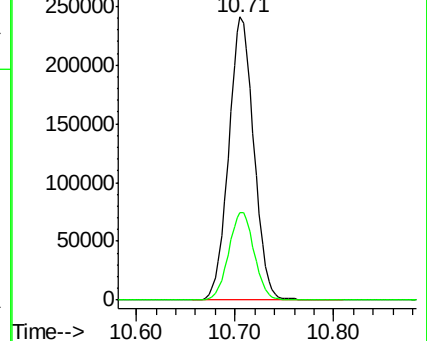
MMDadoda

9/25/2019 12:49:36 AM



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: 289.056 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058307.D

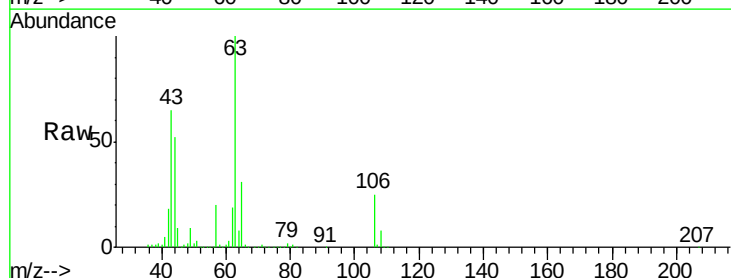
Acq: 23 Sep 2019 21:03

Tgt Ion: 63 Resp: 915811

Ion Ratio Lower Upper

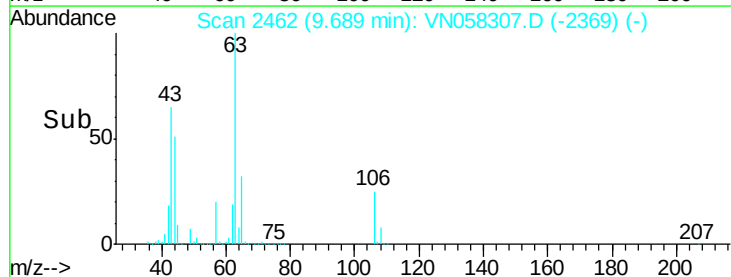
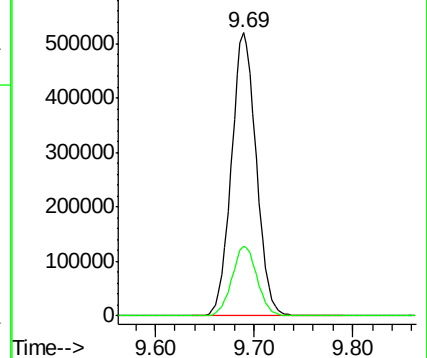
63 100

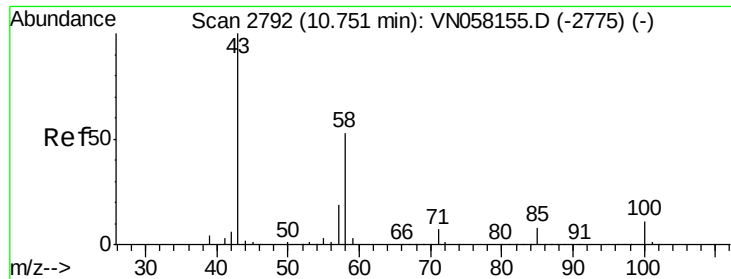
106 24.8 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





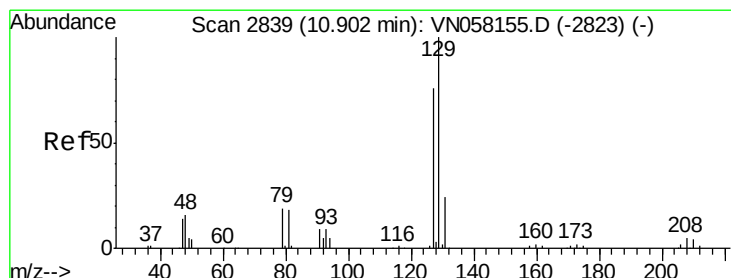
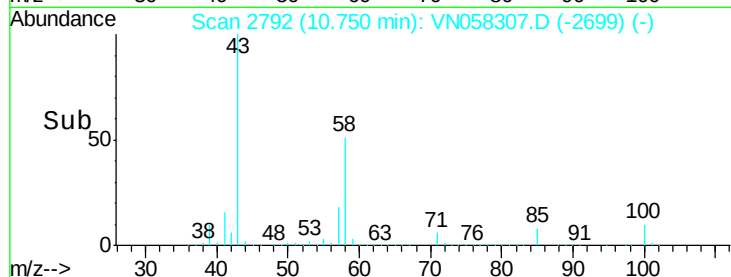
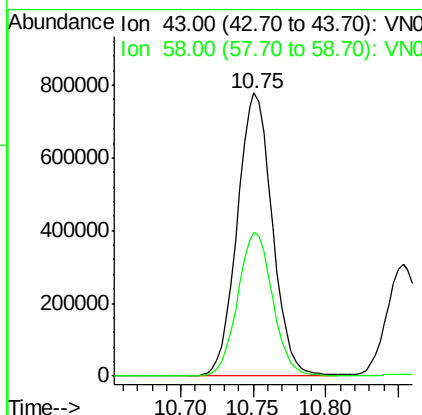
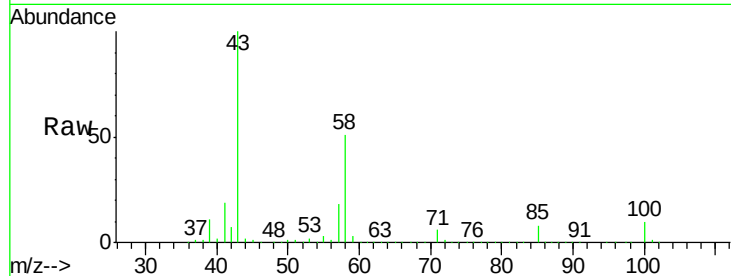
#59
2-Hexanone
Concen: 313.925 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1302575
Ion Ratio Lower Upper
43 100
58 50.9 26.0 78.0

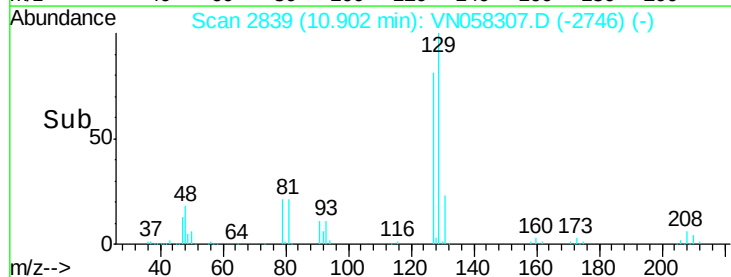
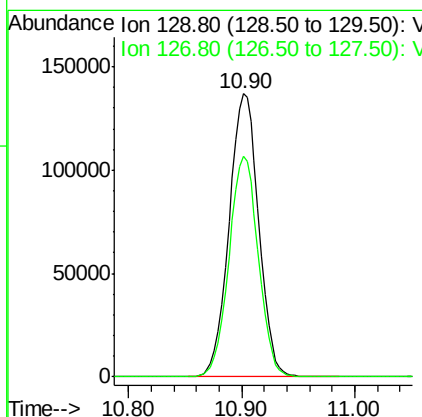
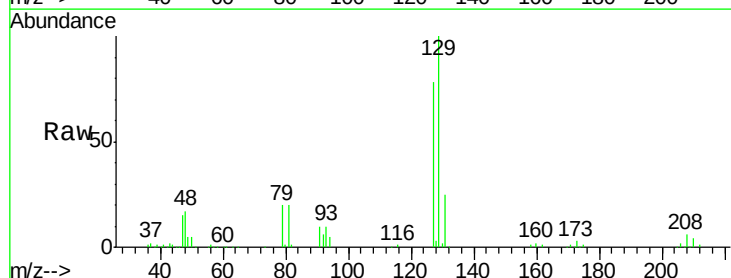
Manual Integrations
APPROVED

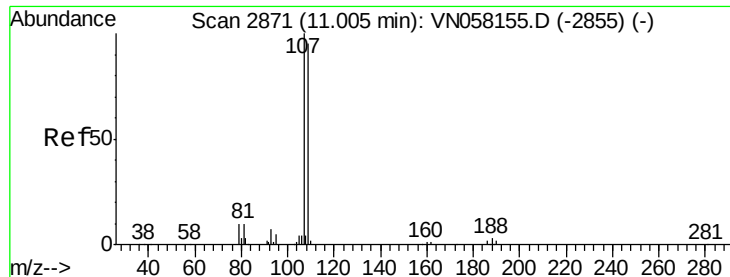
MMDadoda
9/25/2019 12:49:36 AM



#60
Dibromochloromethane
Concen: 56.154 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion: 129 Resp: 249047
Ion Ratio Lower Upper
129 100
127 77.0 38.7 116.1





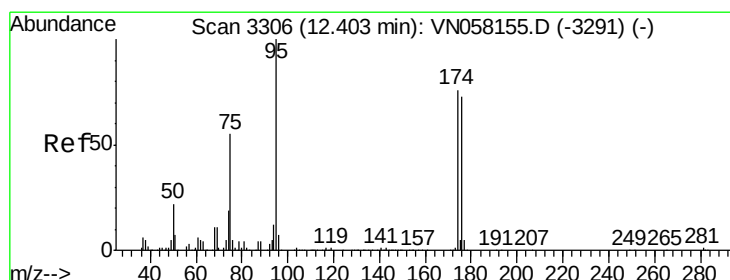
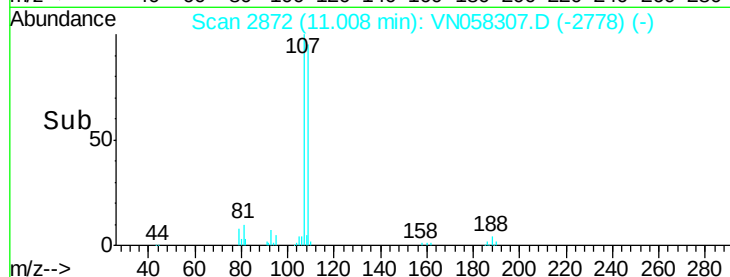
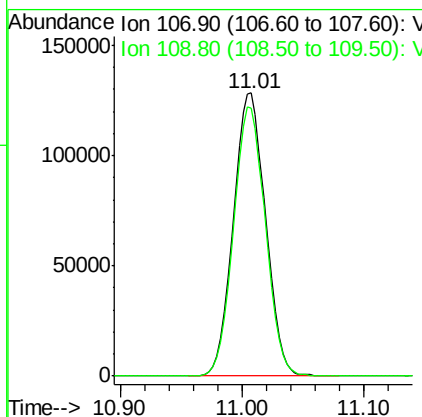
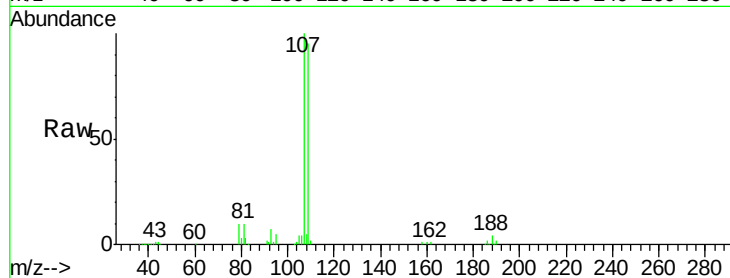
#61
 1,2-Dibromoethane
 Concen: 54.941 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	234725		
109	94.1	75.4	113.2	

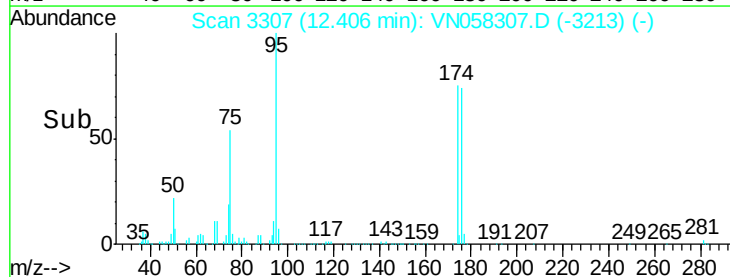
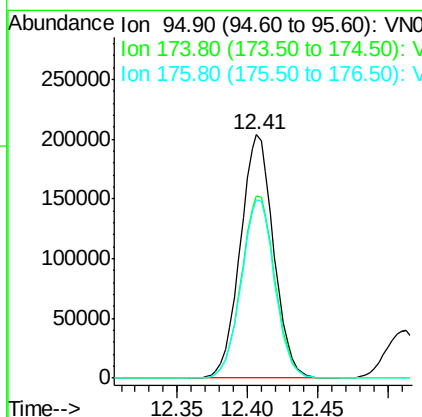
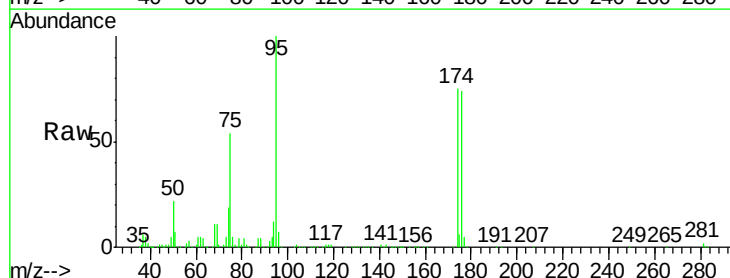
Manual Integrations
 APPROVED

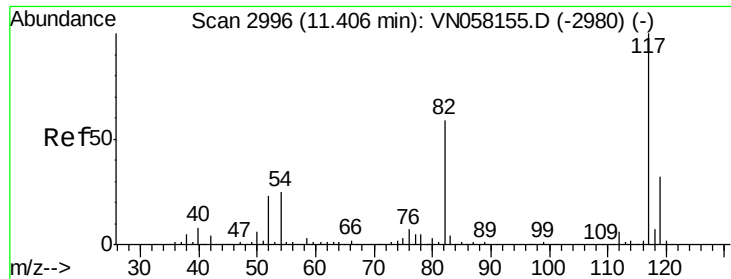
MMDadoda
 9/25/2019 12:49:36 AM



#62
 4-Bromofluorobenzene
 Concen: 50.870 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	336815		
174	75.4	0.0	152.2	
176	73.5	0.0	148.0	





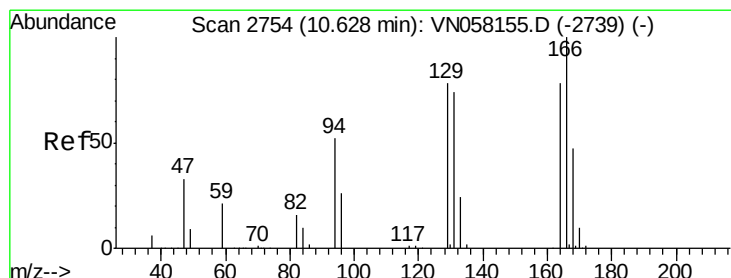
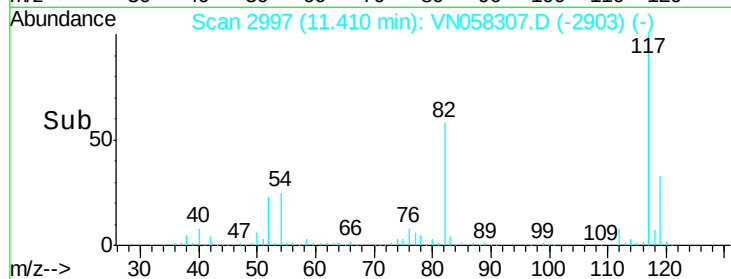
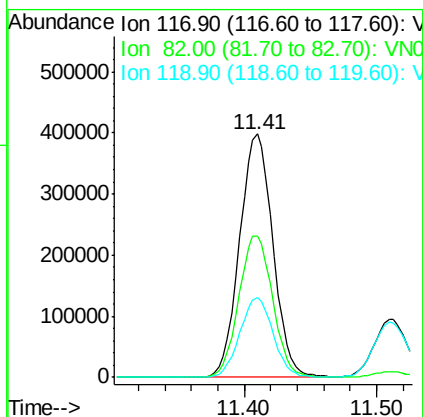
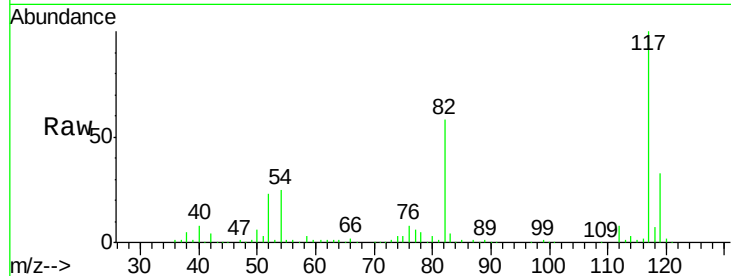
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.9	70.3
119	32.8	25.3	37.9

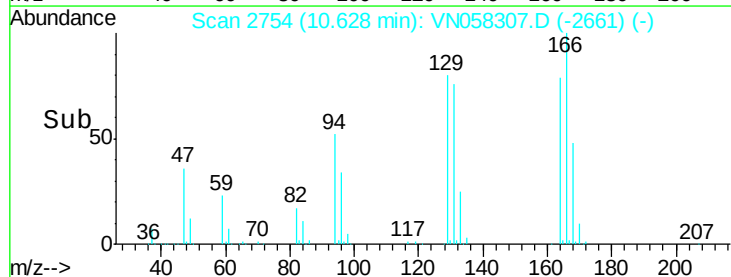
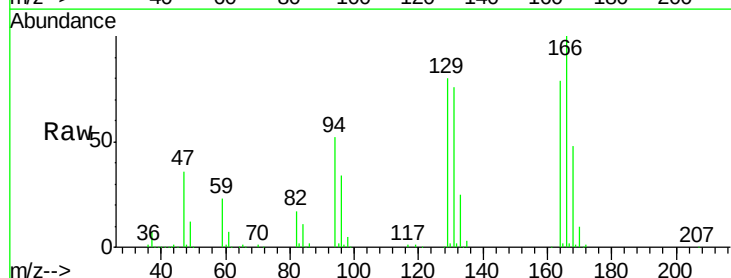
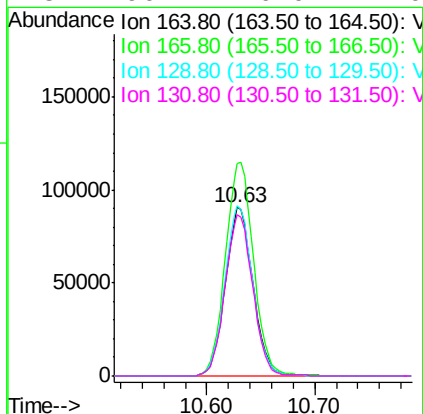
Manual Integrations
APPROVED

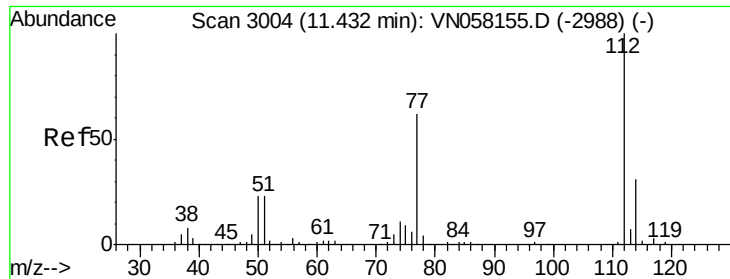
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#64
Tetrachloroethene
Concen: 47.740 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	102.2	153.4
129	101.2	79.6	119.4
131	96.1	76.0	114.0





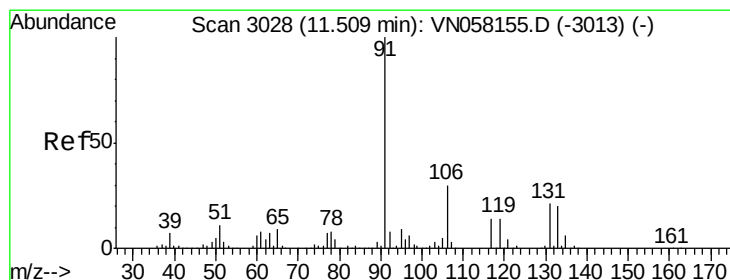
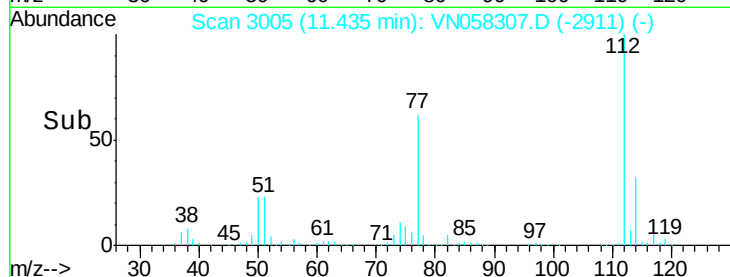
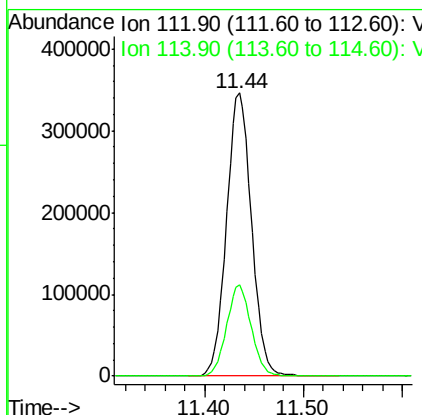
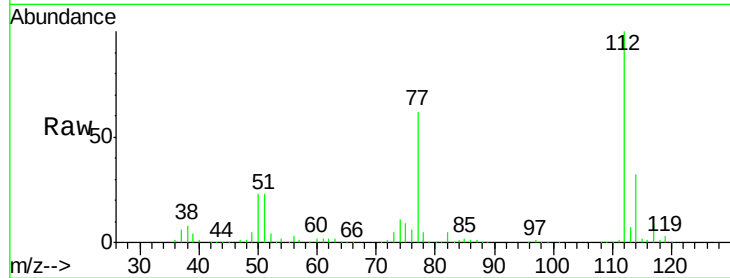
#65
Chlorobenzene
Concen: 50.234 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 613697
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7

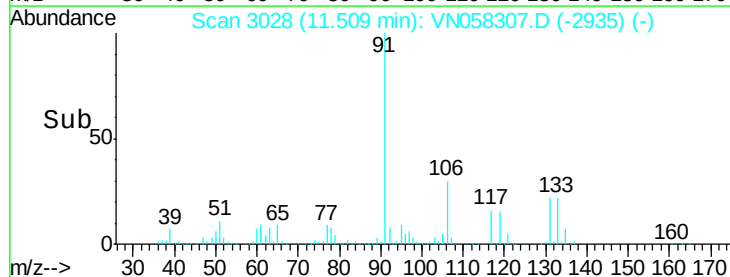
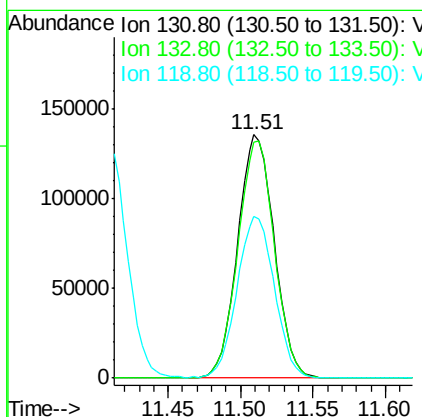
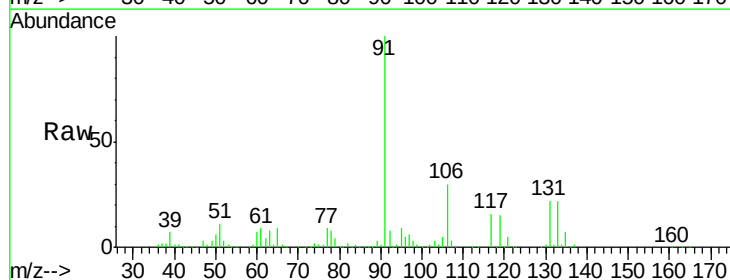
Manual Integrations
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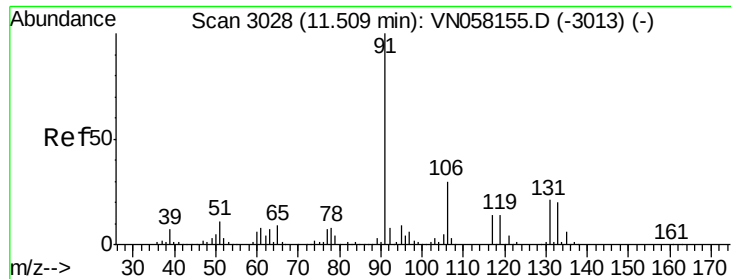
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.700 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion:131 Resp: 237881
Ion Ratio Lower Upper
131 100
133 97.5 47.8 143.3
119 68.0 33.1 99.3





#67

Ethyl Benzene

Concen: 52.366 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1096180

Ion Ratio Lower Upper

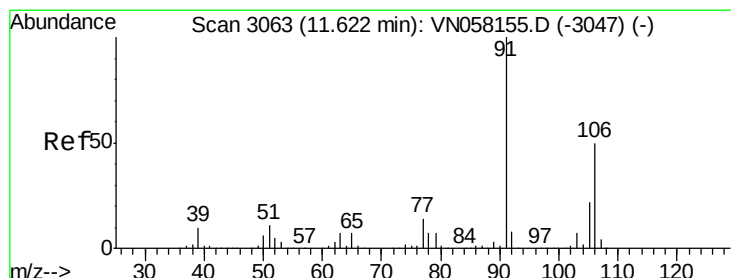
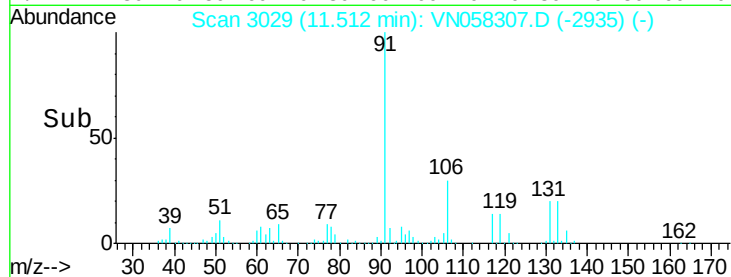
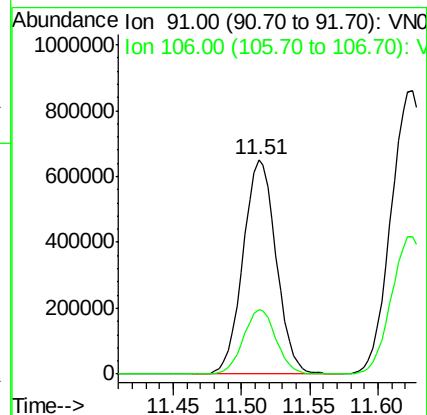
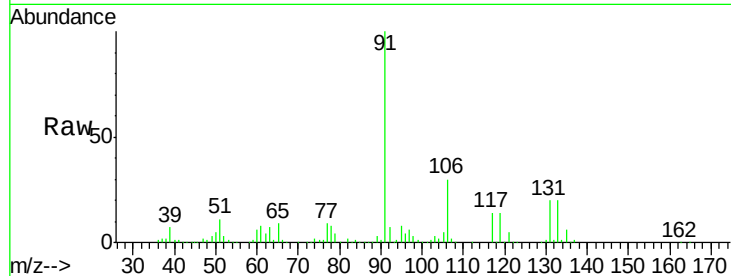
91 100

106 30.2 24.0 36.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 100.921 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN058307.D

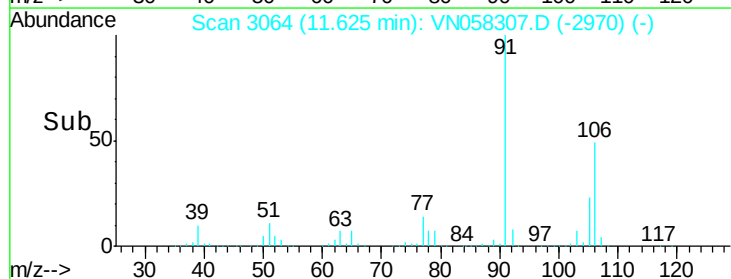
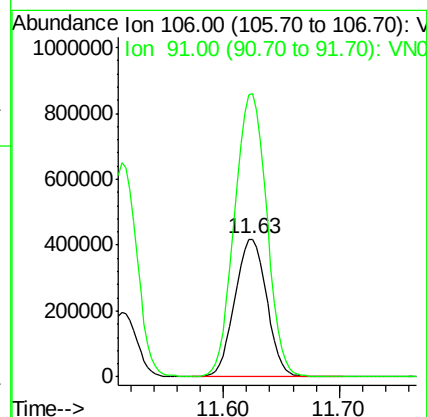
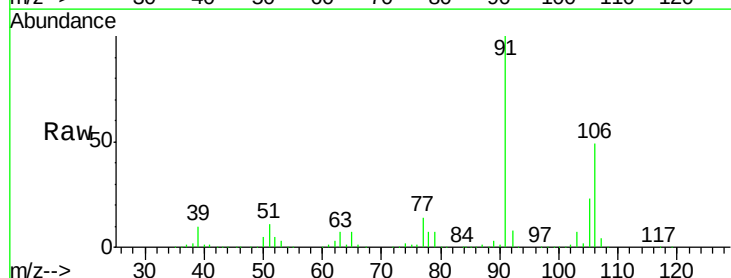
Acq: 23 Sep 2019 21:03

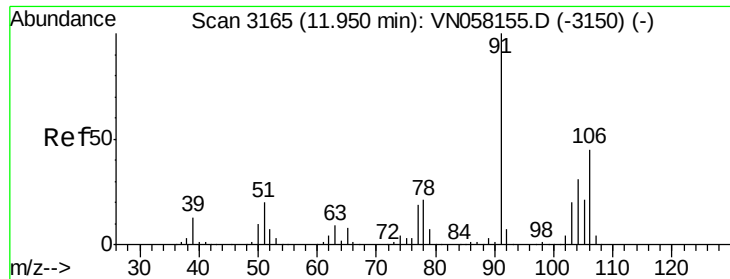
Tgt Ion: 106 Resp: 795666

Ion Ratio Lower Upper

106 100

91 208.1 163.6 245.4





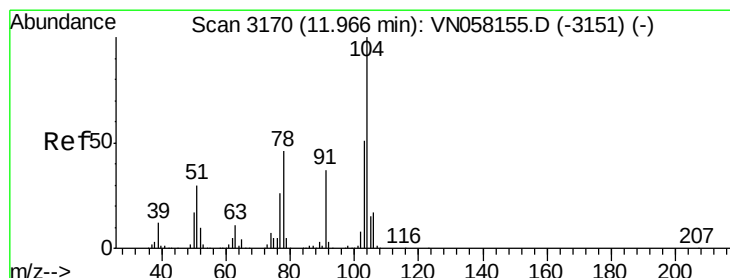
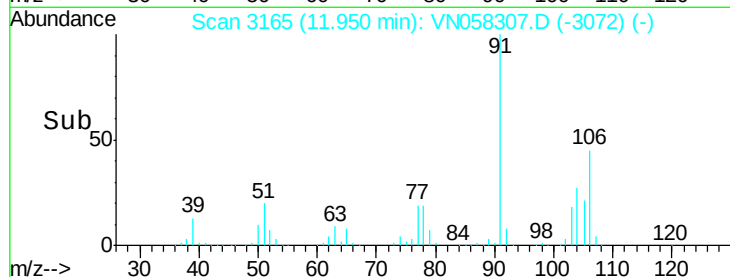
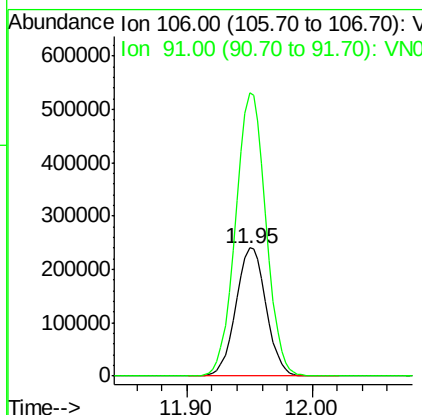
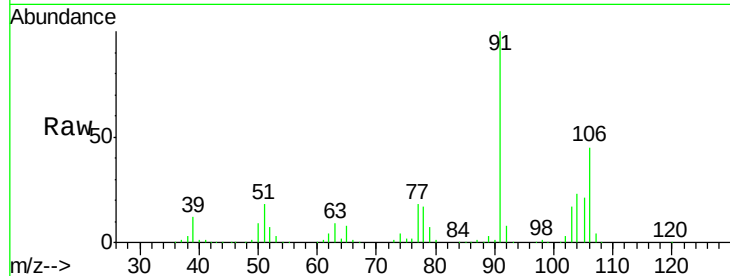
#69
o-Xylene
Concen: 51.860 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		402032		
91	221.4	111.8	335.3		

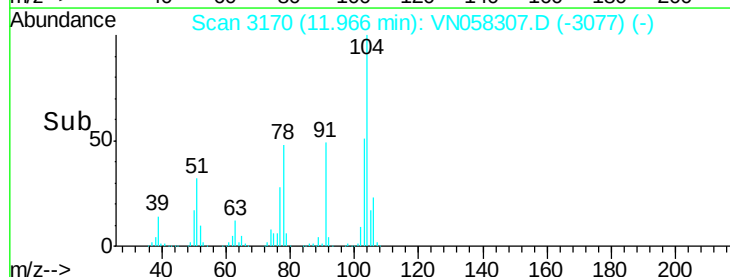
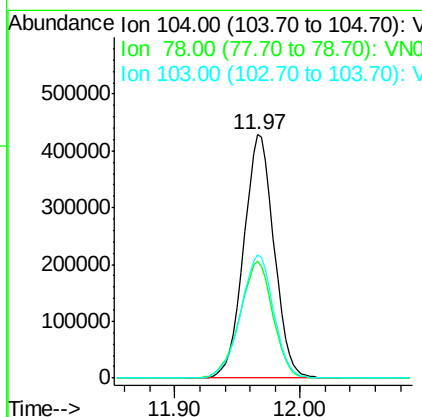
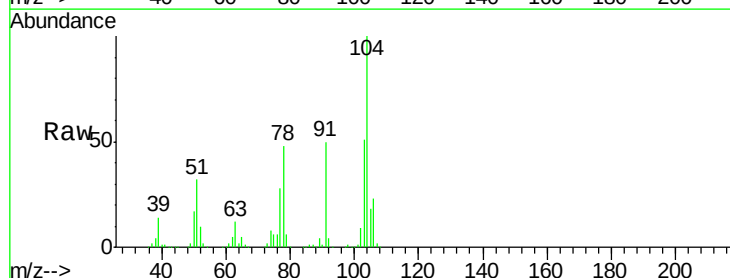
Manual Integrations
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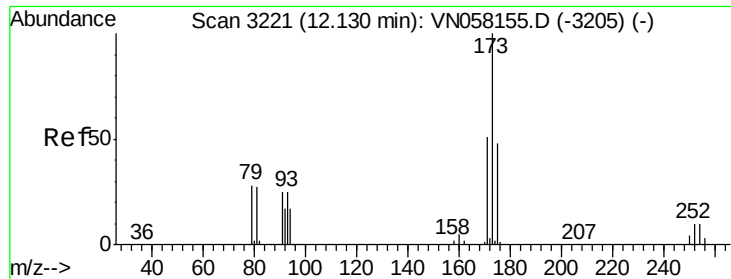
MMDadoda
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#70
Styrene
Concen: 53.911 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		720095		
78	52.5	41.8	62.8		
103	55.1	44.2	66.2		





#71

Bromoform

Concen: 49.645 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 162955

Ion Ratio Lower Upper

173 100

175 48.3 24.2 72.6

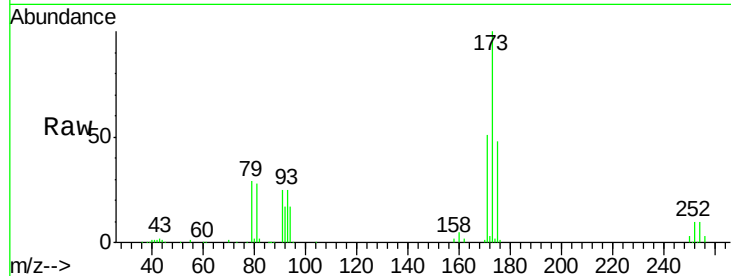
254 0.0 0.1 0.1#

Manual Integrations

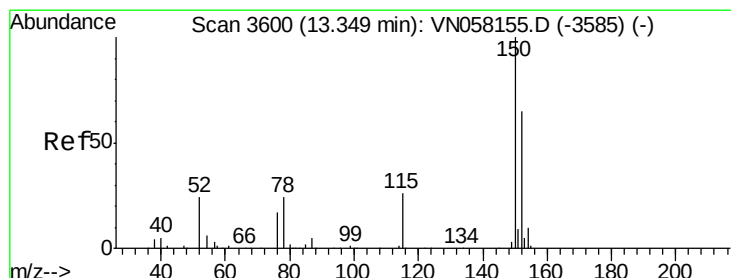
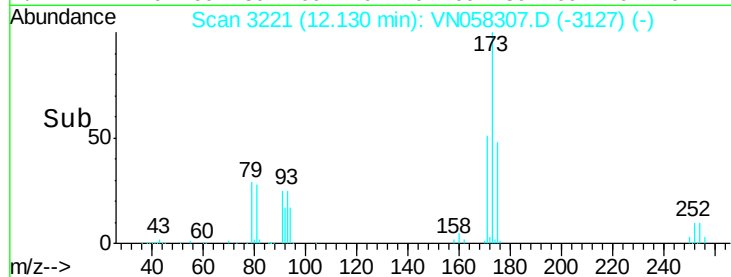
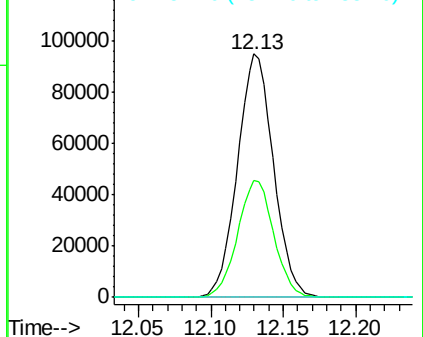
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

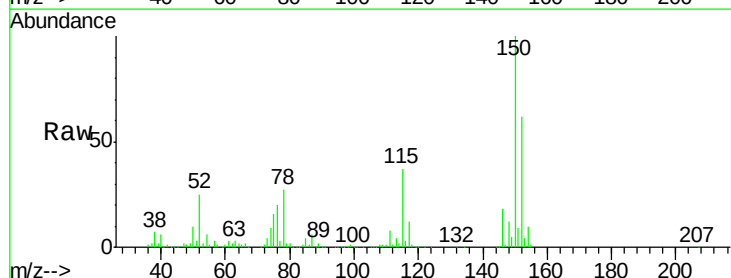
Tgt Ion:152 Resp: 342195

Ion Ratio Lower Upper

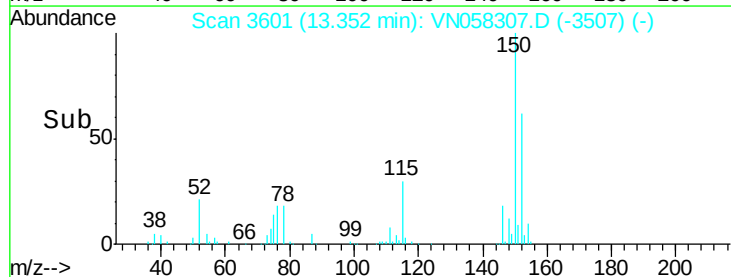
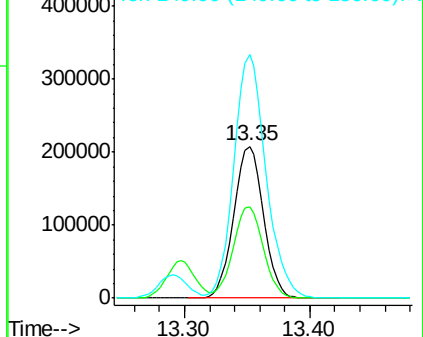
152 100

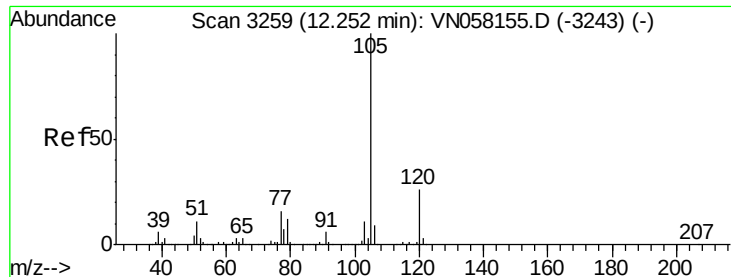
115 60.9 30.1 90.3

150 172.8 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: 53.632 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1148755

Ion Ratio Lower Upper

105 100

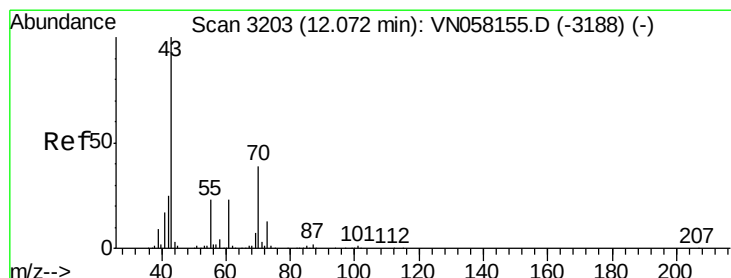
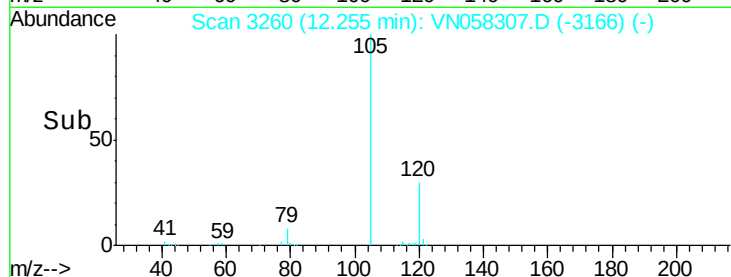
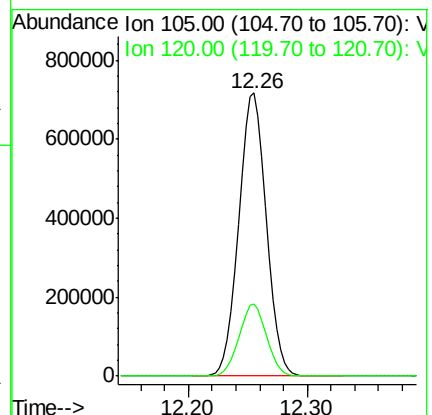
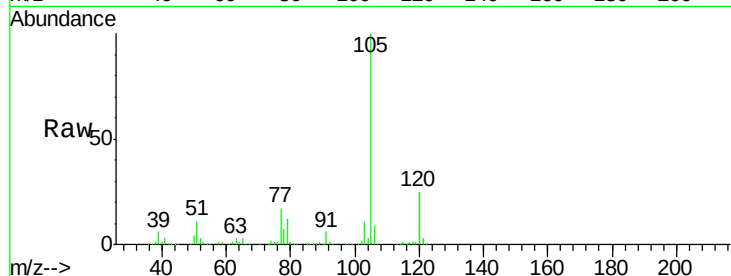
120 25.3 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 58.989 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Tgt Ion: 43 Resp: 528573

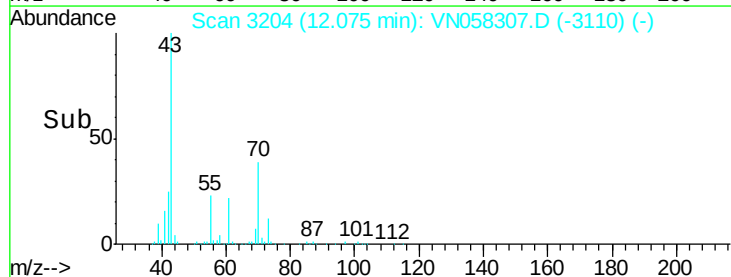
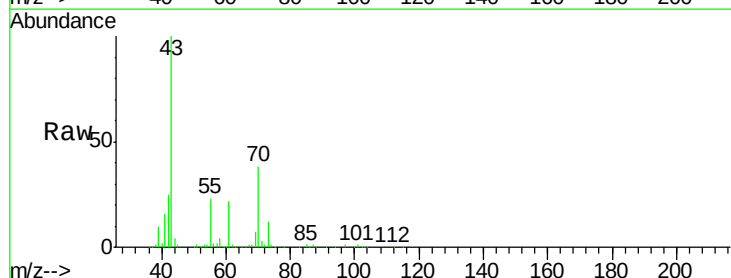
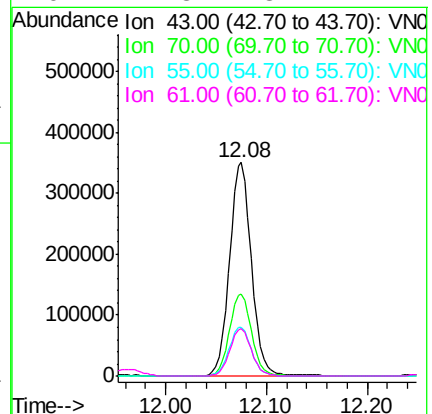
Ion Ratio Lower Upper

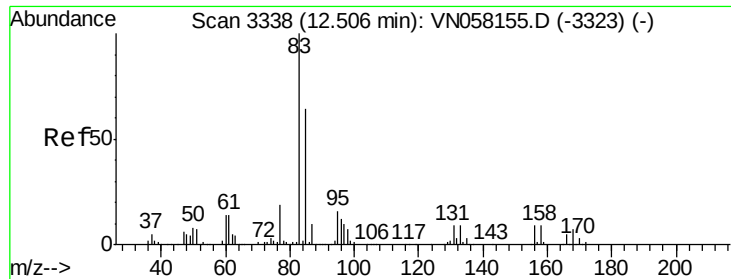
43 100

70 39.2 31.0 46.6

55 23.6 18.5 27.7

61 22.3 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 56.935 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

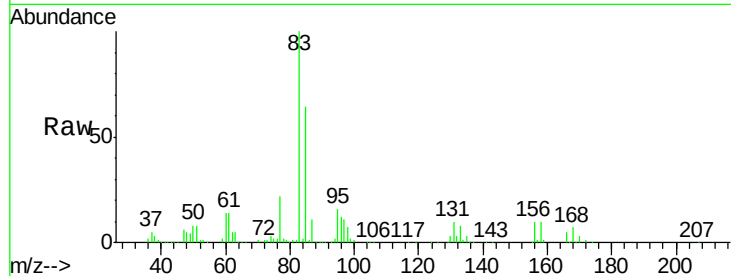
ClientSampleId :

VSTDCCC050

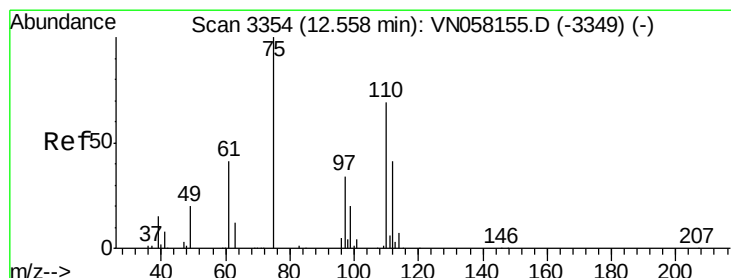
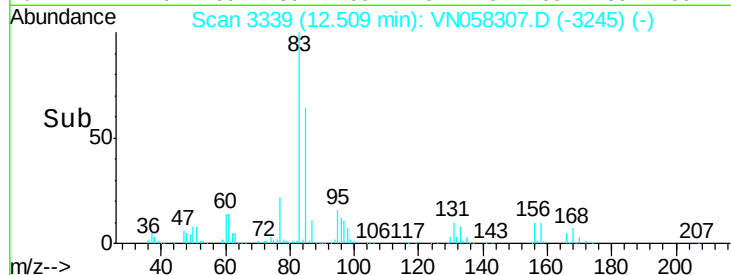
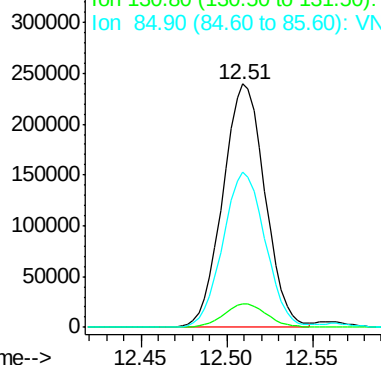
Tot Ion:	83	Resp:	408383
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.8	14.3
85	64.1	31.9	95.5

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Abundance Ion 82.90 (82.60 to 83.60): VN058307.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 54.534 ug/l m

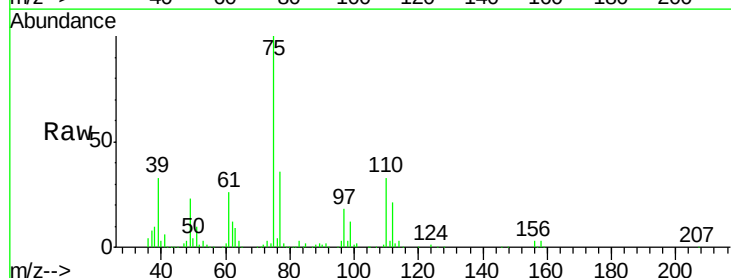
RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

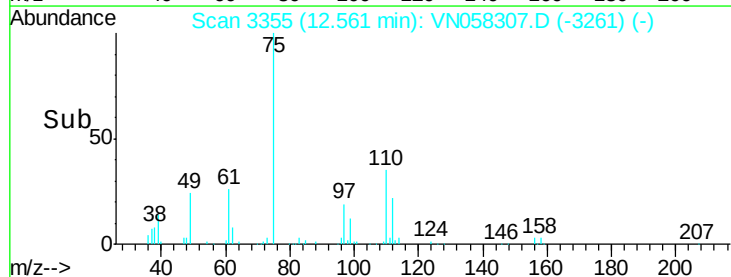
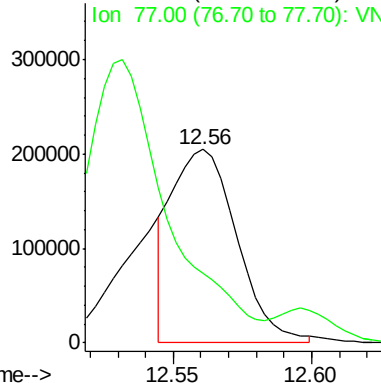
Lab File: VN058307.D

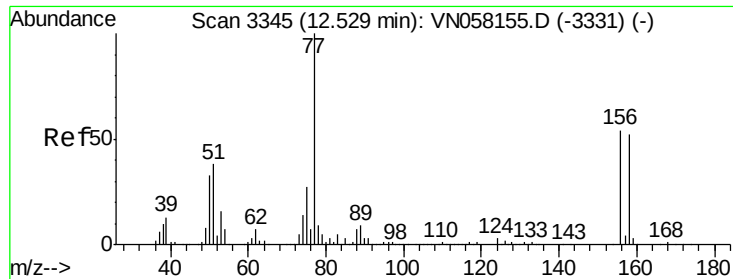
Acq: 23 Sep 2019 21:03

Tgt Ion:	75	Resp:	333979
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058307.D (-3261) (-)





#77

Bromobenzene

Concen: 50.680 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

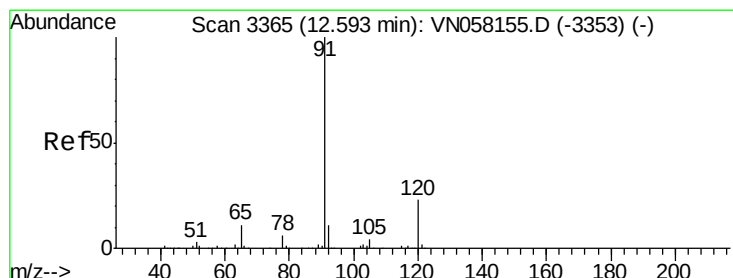
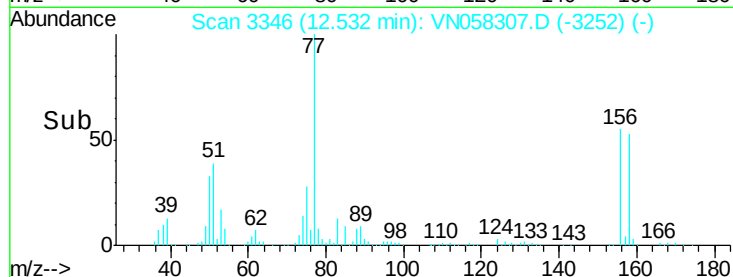
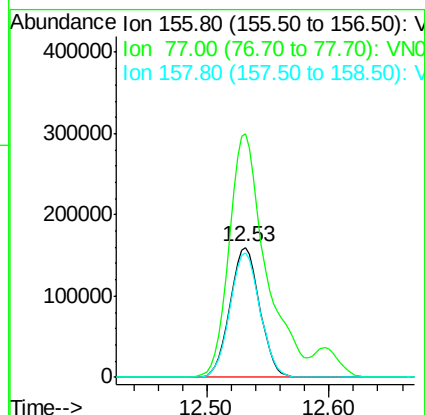
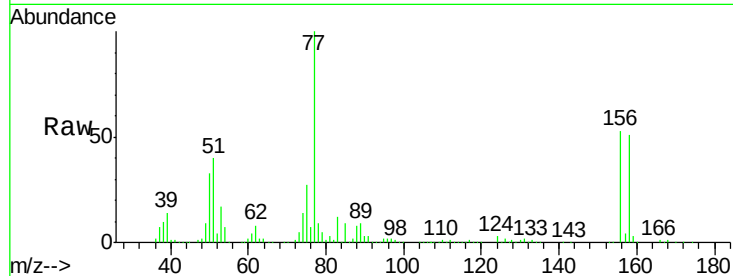
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	273054
Ion Ratio	Lower	Upper	
156	100		
77	230.8	111.7	335.1
158	96.9	47.9	143.8

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#78

n-propylbenzene

Concen: 55.415 ug/l

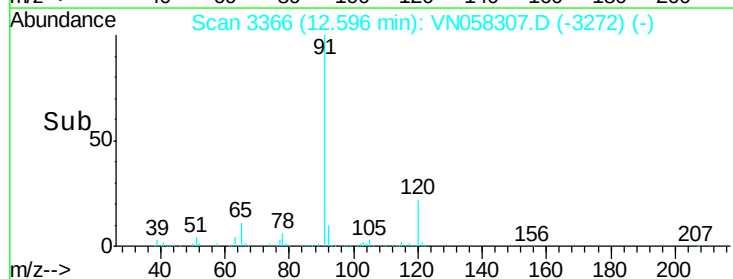
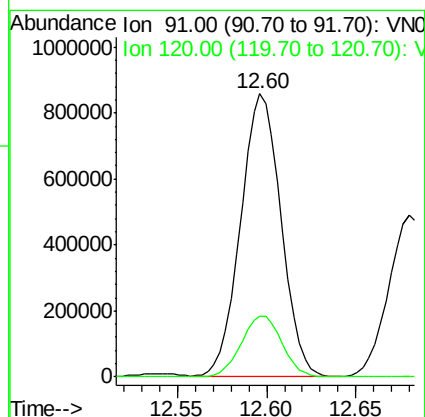
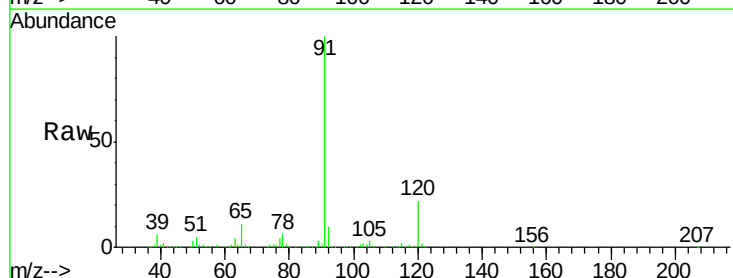
RT: 12.60 min Scan# 3366

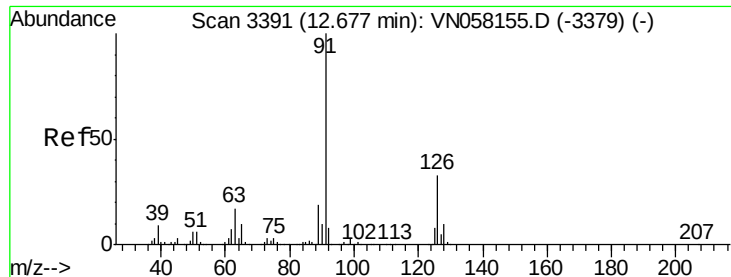
Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Tgt Ion:	91	Resp:	1348781
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.1	33.3





#79

2-Chlorotoluene

Concen: 53.022 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 806552

Ion Ratio Lower Upper

91 100

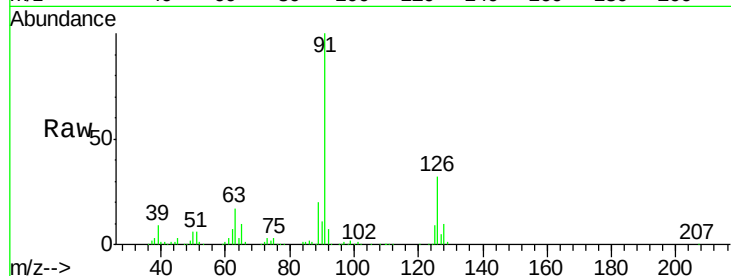
126 32.4 16.4 49.1

Manual Integrations

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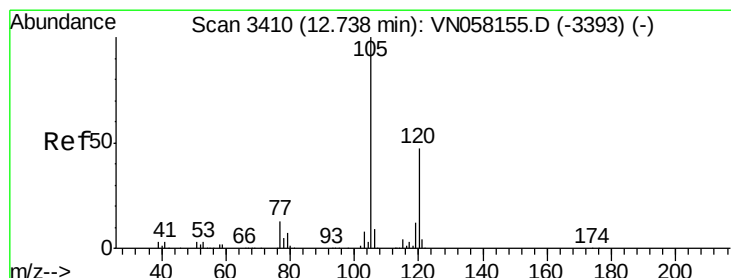
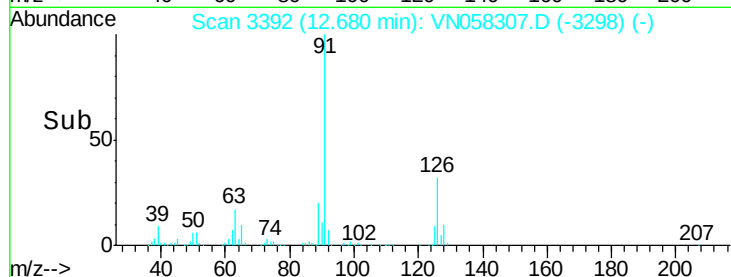
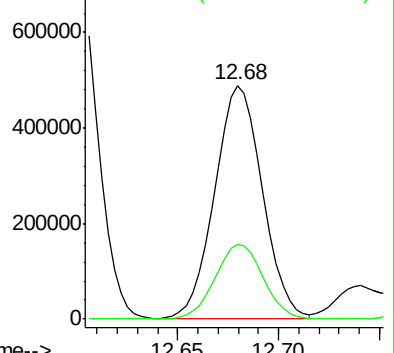
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Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.251 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058307.D

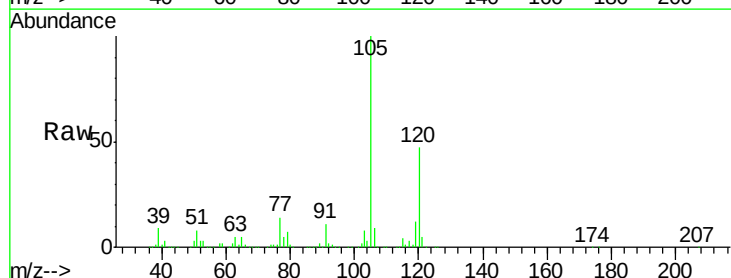
Acq: 23 Sep 2019 21:03

Tgt Ion: 105 Resp: 982616

Ion Ratio Lower Upper

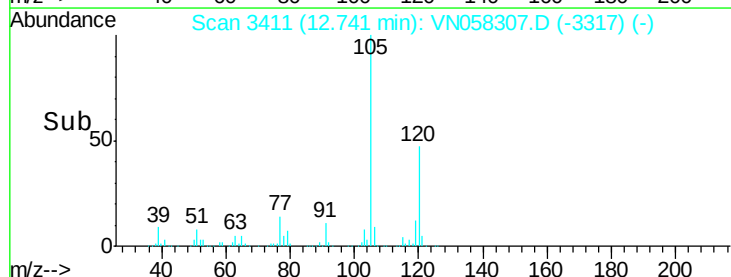
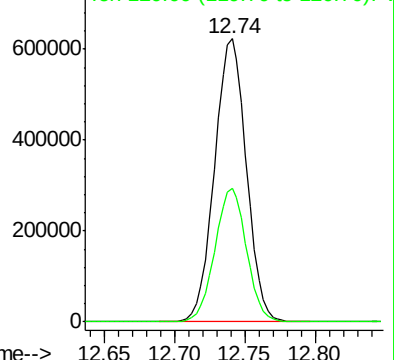
105 100

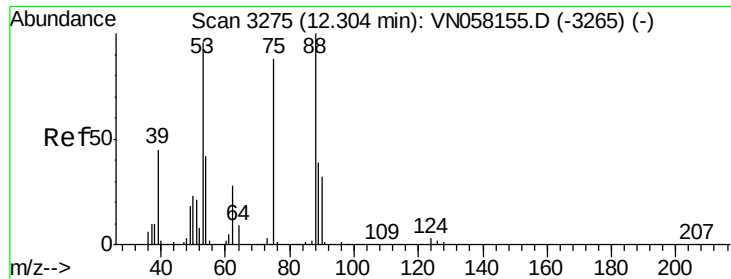
120 47.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3393) (-)





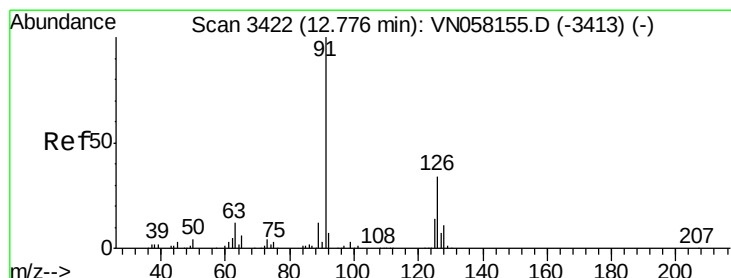
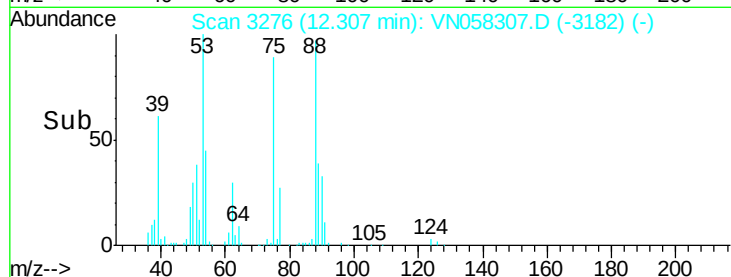
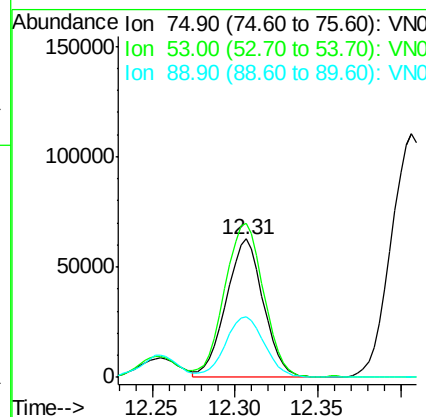
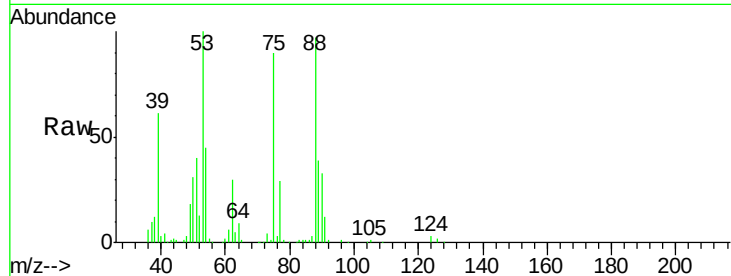
#81
trans-1,4-Dichloro-2-butene
Concen: 48.054 ug/l
RT: 12.31 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.2	90.1	135.1
89	45.3	36.2	54.2

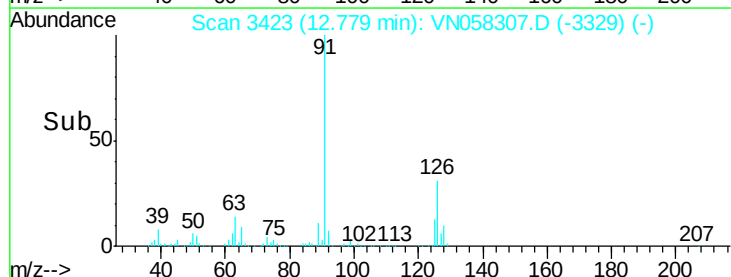
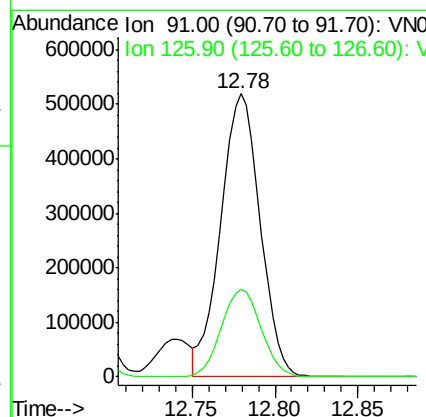
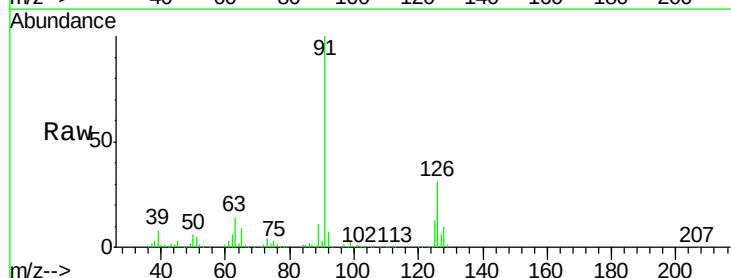
Manual Integrations
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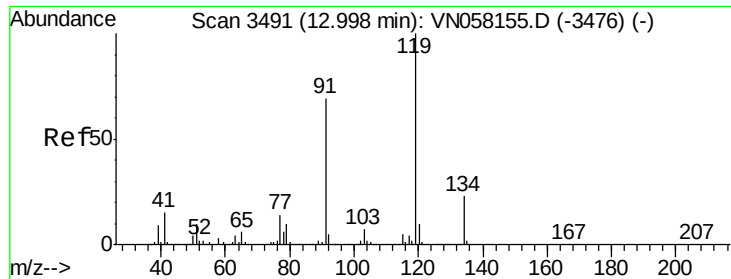
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#82
4-Chlorotoluene
Concen: 53.466 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1





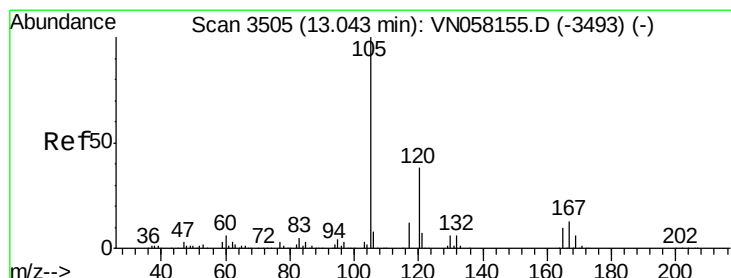
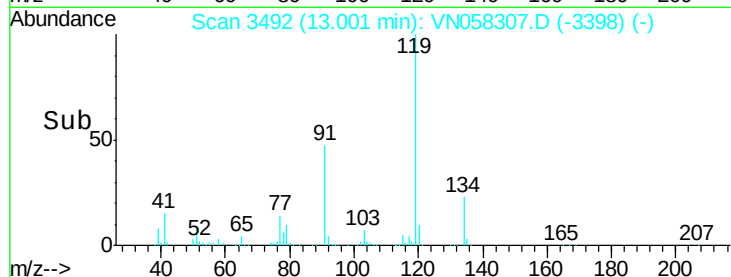
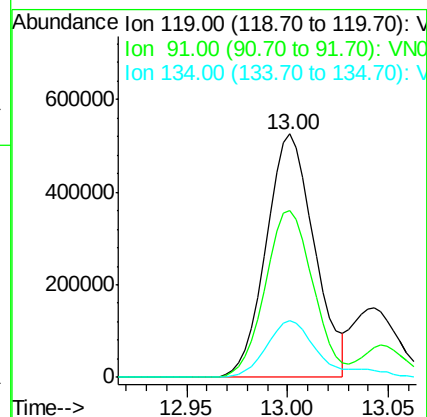
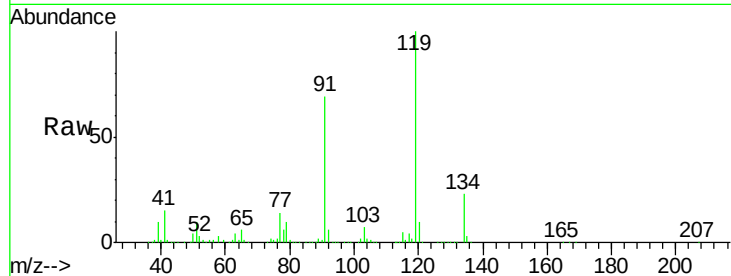
#83
tert-Butylbenzene
Concen: 54.142 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.5	33.8	101.3
134	25.8	11.6	34.8

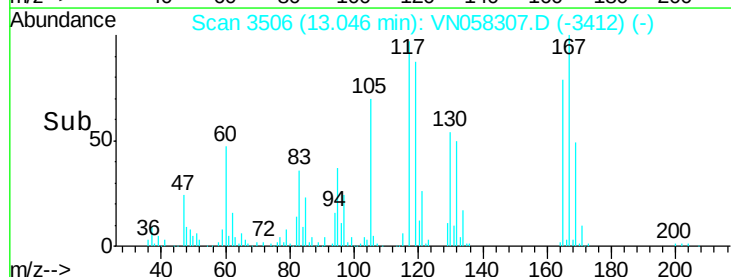
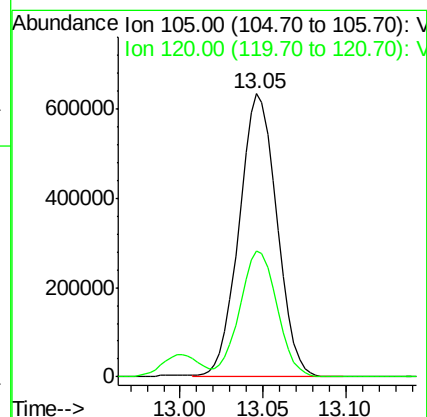
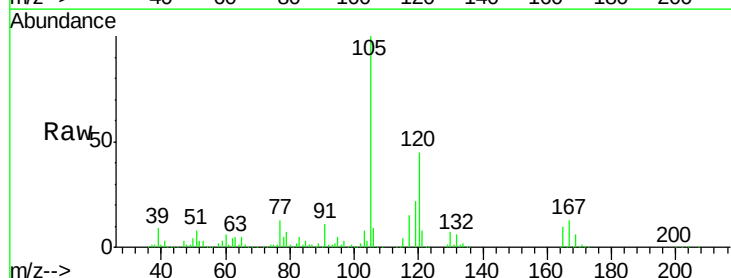
Manual Integrations
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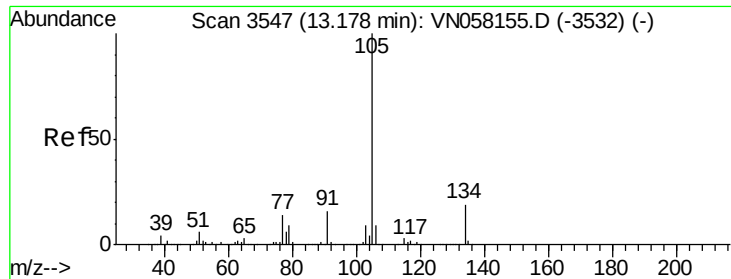
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#84
1,2,4-Trimethylbenzene
Concen: 55.419 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.5





#85

sec-Butylbenzene

Concen: 55.721 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1176934

Ion Ratio Lower Upper

105 100

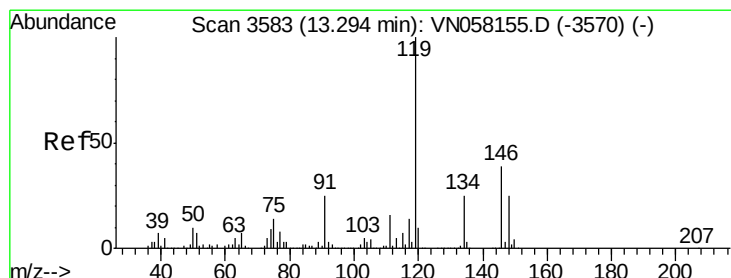
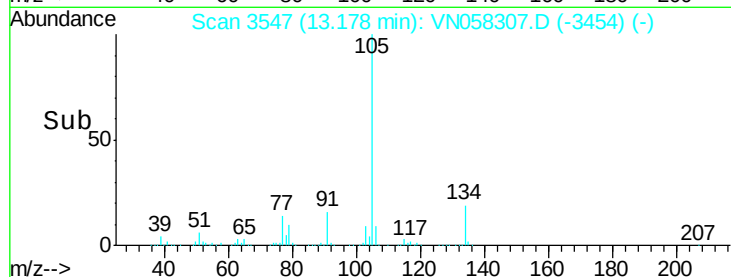
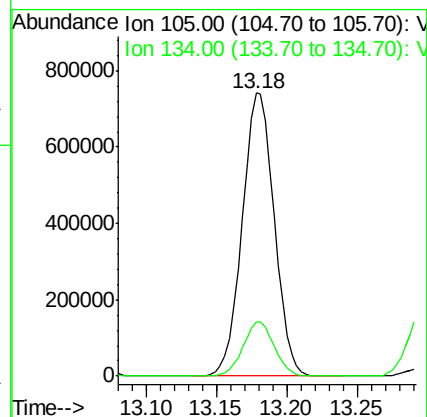
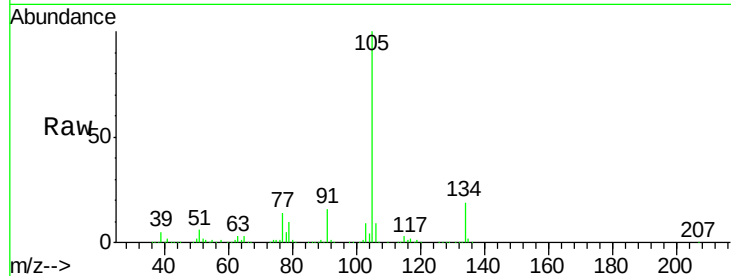
134 18.8 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 56.396 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

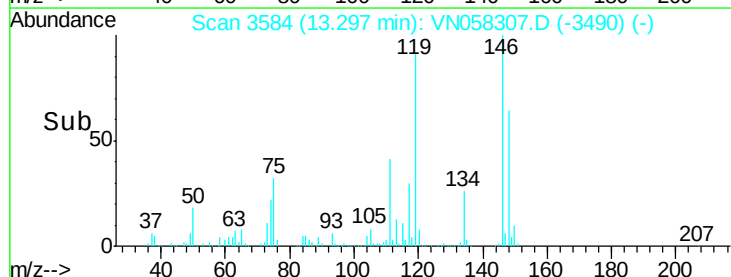
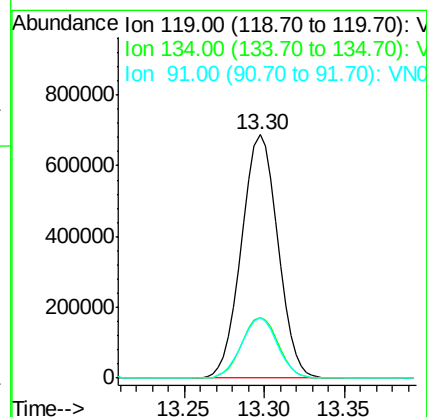
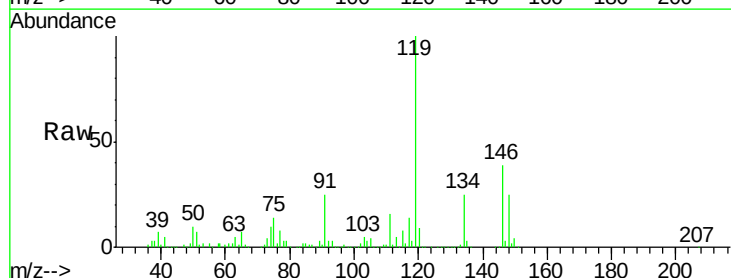
Tgt Ion:119 Resp: 1058993

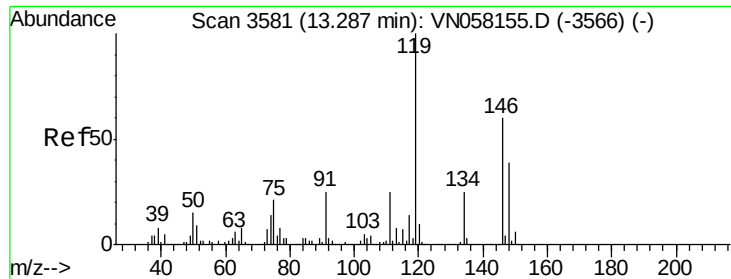
Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.0

91 24.5 12.3 36.8





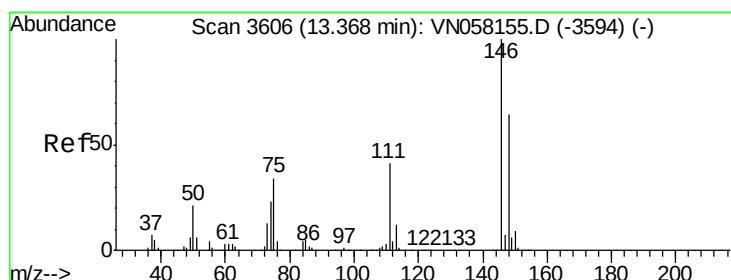
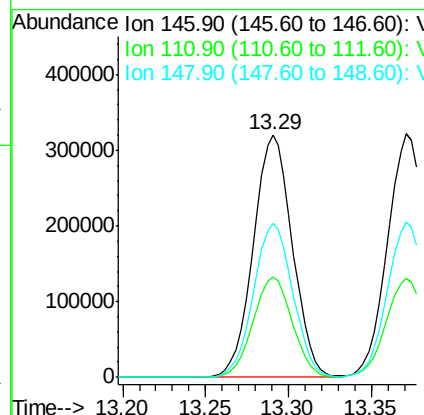
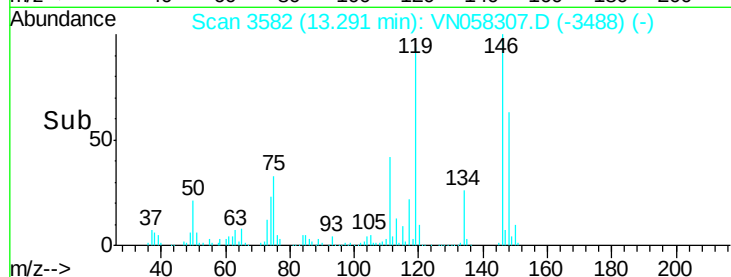
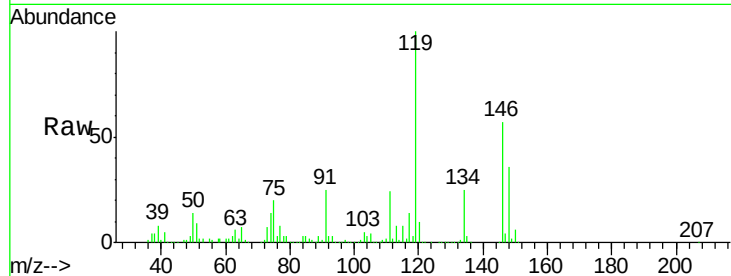
#87
 1,3-Dichlorobenzene
 Concen: 53.117 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	522715		
111	41.6	20.9	62.8	
148	64.1	32.0	96.2	

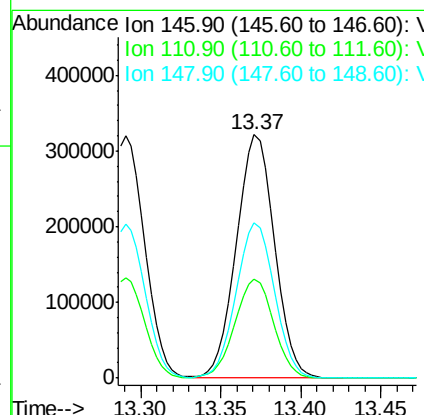
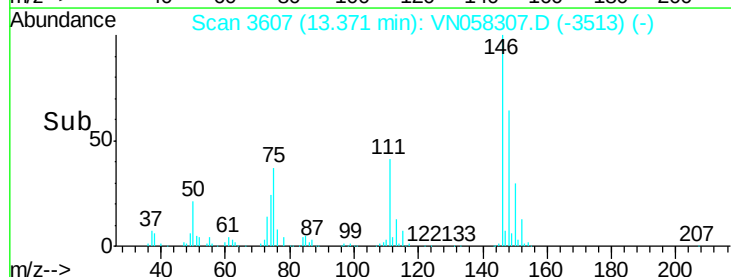
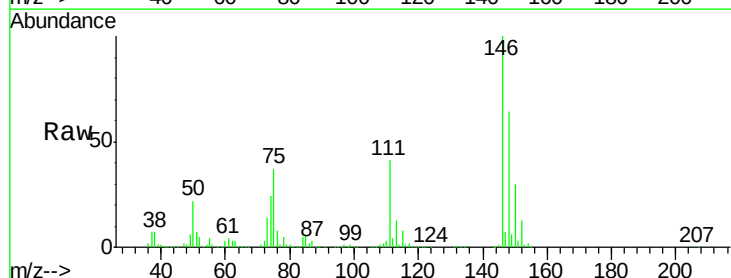
Manual Integrations
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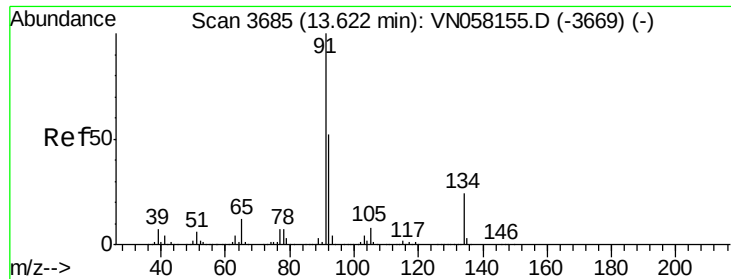
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#88
 1,4-Dichlorobenzene
 Concen: 51.821 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	520632		
111	41.2	20.5	61.5	
148	64.0	31.9	95.5	





#89

n-Butylbenzene

Concen: 53.086 ug/l

RT: 13.62 min Scan# 3686

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

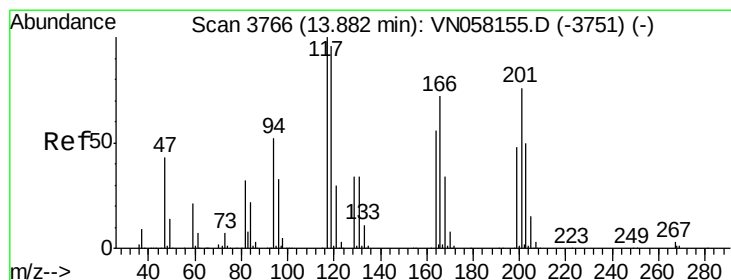
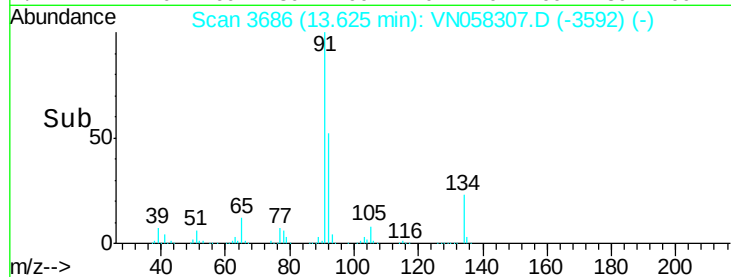
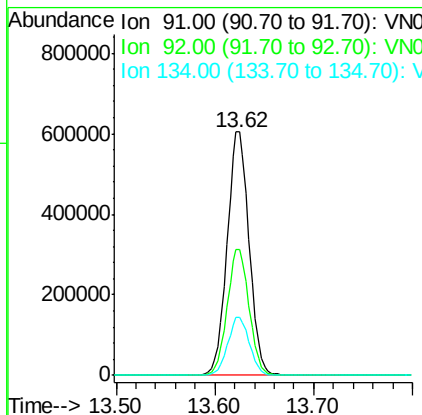
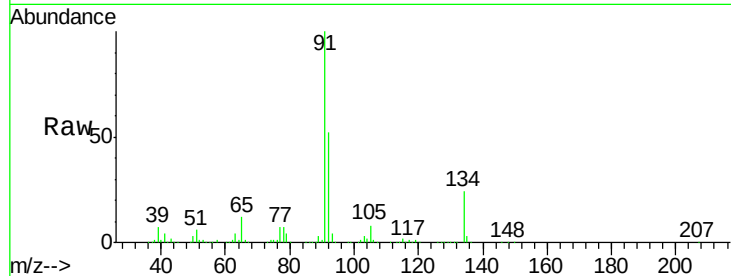
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	945078
Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.7	77.0
134	23.6	11.8	35.4

Manual Integrations
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#90

Hexachloroethane

Concen: 51.001 ug/l

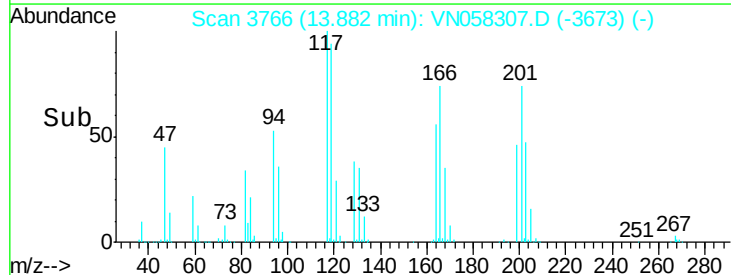
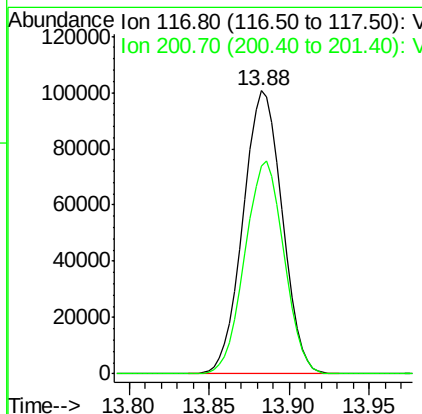
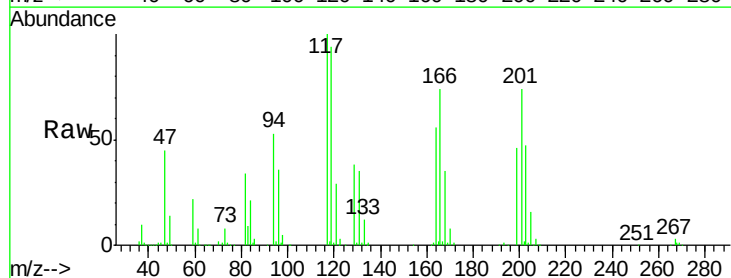
RT: 13.88 min Scan# 3766

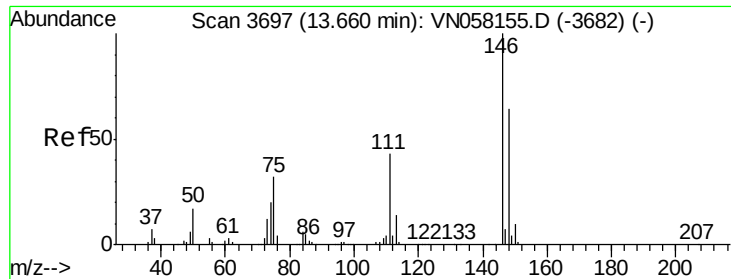
Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Tgt Ion:	117	Resp:	168134
Ion	Ratio	Lower	Upper
117	100		
201	75.2	37.5	112.5





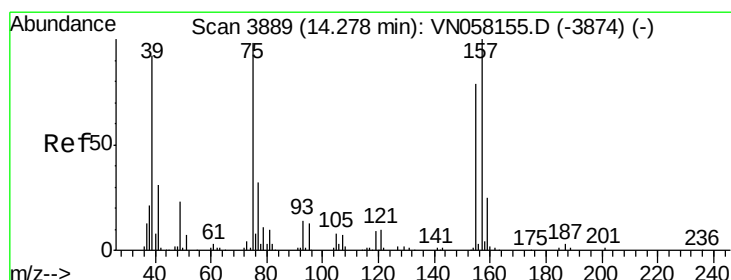
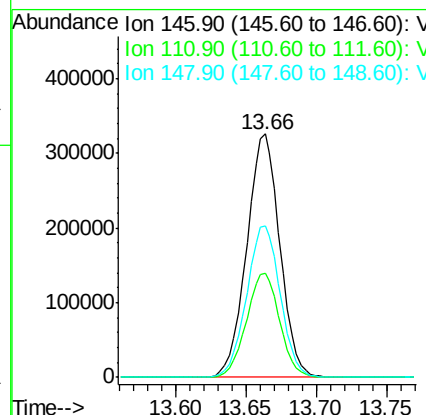
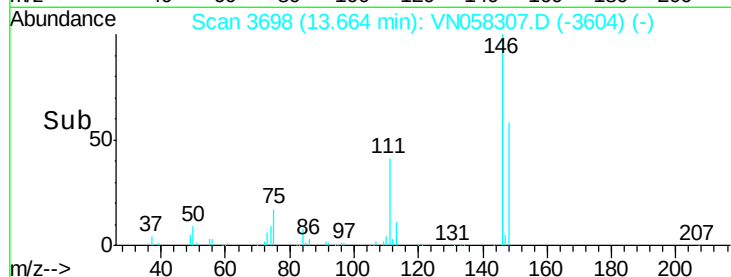
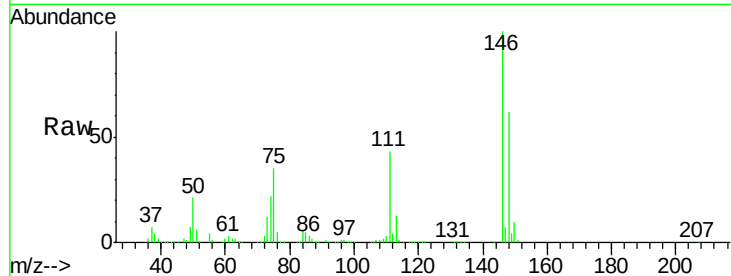
#91
 1,2-Dichlorobenzene
 Concen: 54.172 ug/l
 RT: 13.66 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.1	63.1
148	63.3	31.8	95.4

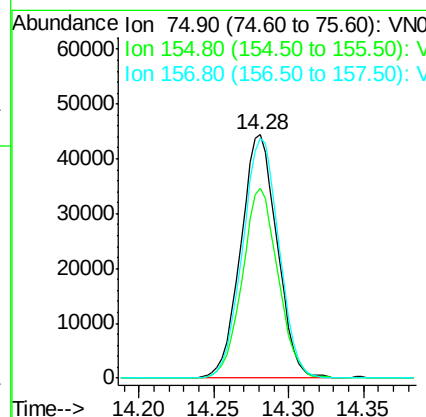
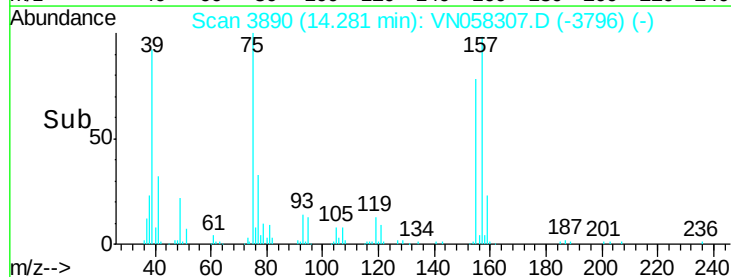
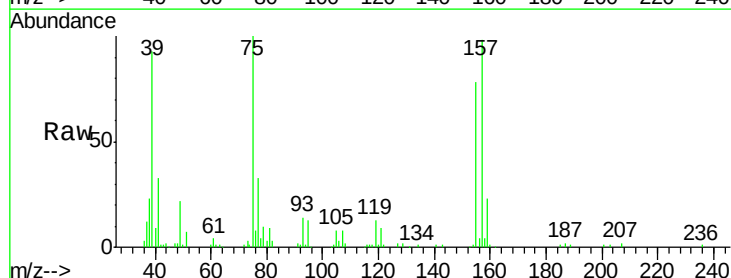
Manual Integrations
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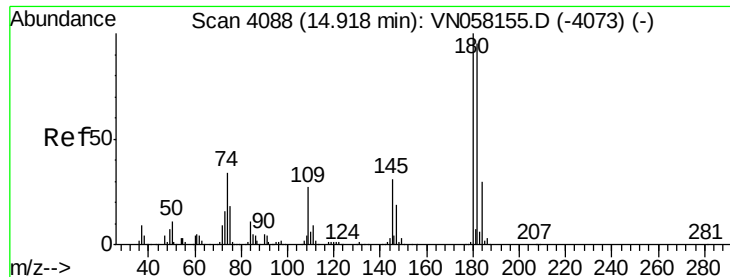
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.267 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.2	38.3	114.8
157	98.5	48.0	144.0





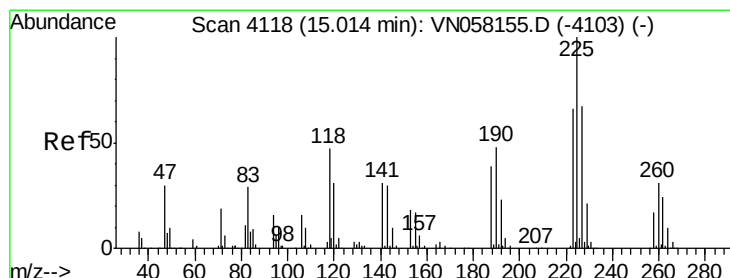
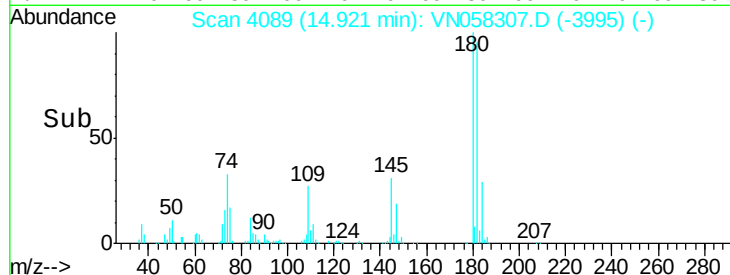
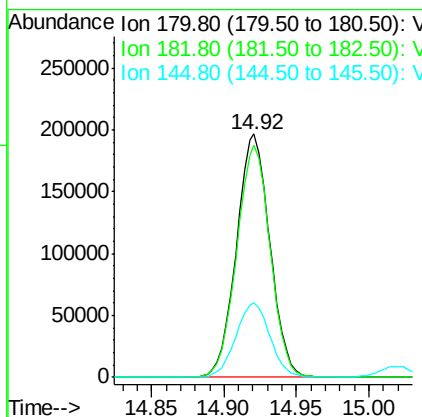
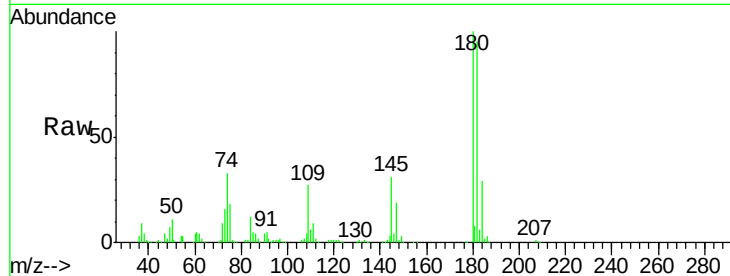
#93
 1,2,4-Trichlorobenzene
 Concen: 49.767 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180	Resp:	313886
Ion Ratio	Lower	Upper
180 100		
182 95.7	47.8	143.3
145 31.3	15.4	46.4

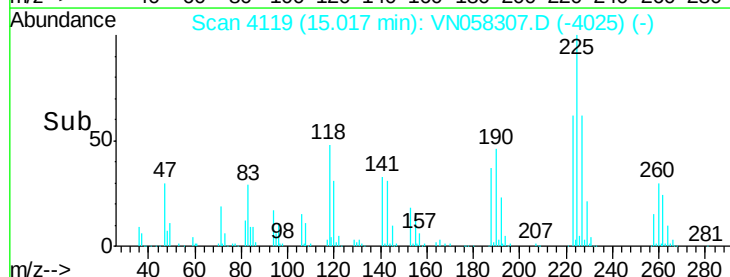
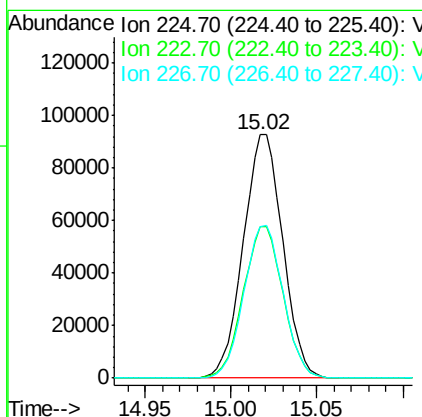
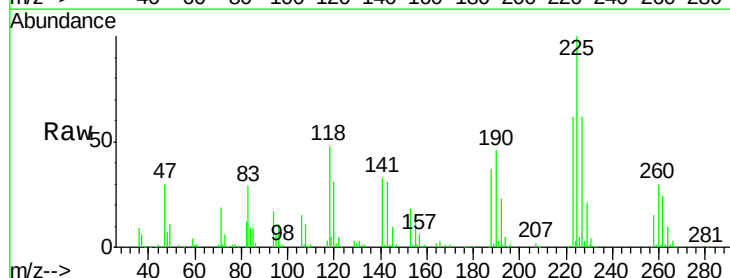
Manual Integrations
 APPROVED

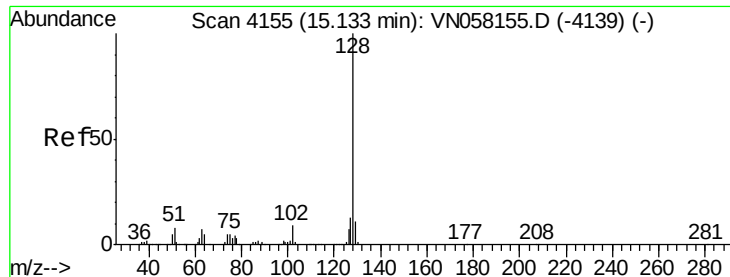
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 9/25/2019 12:49:36 AM



#94
 Hexachlorobutadiene
 Concen: 48.557 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion:225	Resp:	148023
Ion Ratio	Lower	Upper
225 100		
223 62.7	32.6	97.7
227 62.1	33.0	99.0





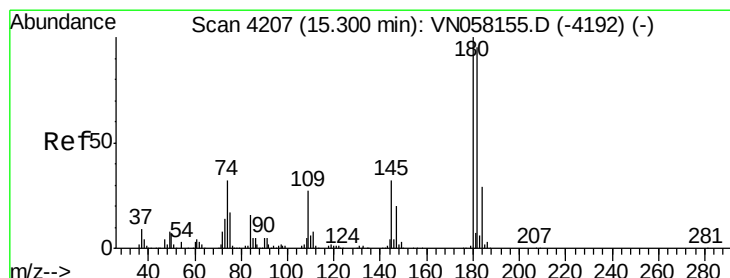
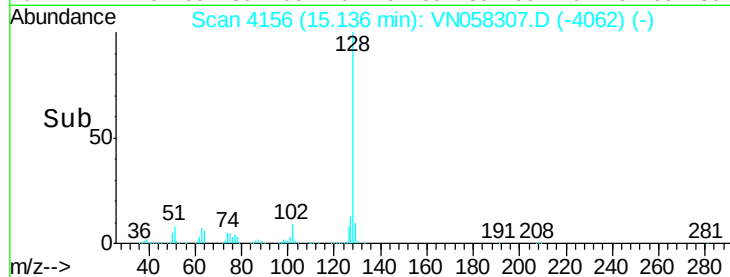
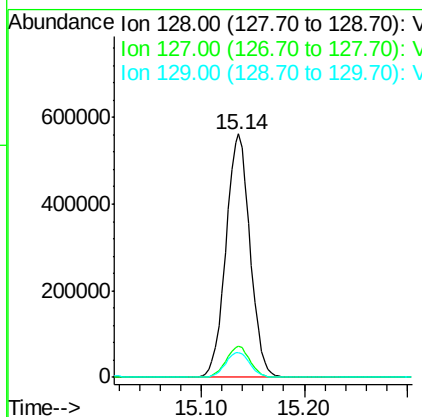
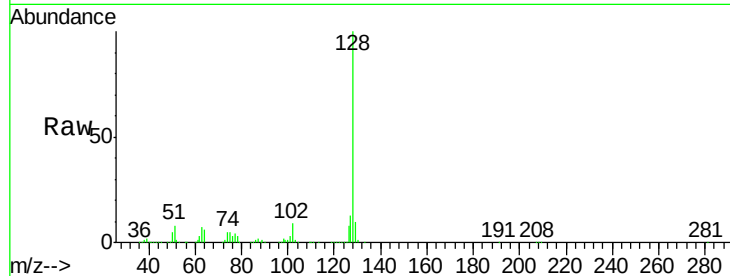
#95
Naphthalene
Concen: 55.884 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.5	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.779 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.2
145	32.2	16.1	48.2

