

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058018.D
 Acq On : 13 Sep 2019 14:58
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:50:06 PM

Quant Time: Sep 14 02:11:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	75583	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	452401	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	397763	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	206682	30.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.03%
60) 4-Bromofluorobenzene	12.41	95	199459	29.30	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.67%
63) Toluene-d8	10.09	98	574479	30.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	96362	21.101	ug/l 100
3) Chloromethane	2.04	50	101914	17.898	ug/l 95
4) Vinyl Chloride	2.17	62	101939	17.497	ug/l 99
5) Bromomethane	2.55	94	59199	16.282	ug/l 95
6) Chloroethane	2.69	64	64816	17.902	ug/l 100
7) Trichlorofluoromethane	3.00	101	129484	19.238	ug/l 94
8) Diethyl Ether	3.39	74	55877	20.579	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	87078	20.719	ug/l 99
10) 1,1-Dichloroethene	3.72	96	79346	19.853	ug/l 94
11) Methyl Iodide	3.93	142	90260	16.880	ug/l 99
12) Methyl Acetate	4.30	43	113942	20.775	ug/l 97
13) Acrolein	3.59	56	5080m	17.071	ug/l
14) Acrylonitrile	4.96	53	229142	102.484	ug/l # 92
15) Acetone	3.80	58	57745	90.971	ug/l 96
16) Carbon Disulfide	4.03	76	162475	17.458	ug/l 97
17) Allyl chloride	4.30	41	146907m	20.060	ug/l
18) Methylene Chloride	4.53	84	101895	20.232	ug/l 98
19) trans-1,2-Dichloroethene	5.02	96	90003	20.206	ug/l 95
20) Diisopropyl ether	5.93	45	336499	19.654	ug/l 98
21) 1,1-Dichloroethane	5.83	63	196620	20.828	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	110915	20.323	ug/l 98
23) tert-Butyl Alcohol	4.76	59	69731	95.532	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	309667	20.215	ug/l # 100
25) Chloroform	7.36	83	194937	20.283	ug/l 99
26) Cyclohexane	7.64	56	154932	19.533	ug/l # 100
29) 1,1-Dichloropropene	7.78	75	137795	19.362	ug/l 98
30) 2-Butanone	6.81	43	307034	95.680	ug/l 100
31) 2,2-Dichloropropane	6.81	77	139221	18.528	ug/l 100
32) 1,1,1-Trichloroethane	7.55	97	155026	19.374	ug/l 97
33) Carbon Tetrachloride	7.76	117	124399	19.057	ug/l 98
34) Benzene	8.03	78	419963	19.915	ug/l 95
35) Methacrylonitrile	7.15	41	58817	19.761	ug/l 96
36) 1,2-Dichloroethane	8.11	62	165980	20.283	ug/l 100
37) Trichloroethene	8.83	130	100596	19.641	ug/l 95
38) Methylcyclohexane	9.07	83	154202	19.028	ug/l 99
39) 1,2-Dichloropropane	9.11	63	117482	19.838	ug/l 97
40) Dibromomethane	9.20	93	72552	20.142	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	137114	18.882	ug/l	99
42) Vinyl Acetate	5.87	43	1340415	103.931	ug/l	99
43) Ethyl Acetate	6.91	43	113215	17.292	ug/l #	79
44) Isopropyl Acetate	8.15	43	230858	20.224	ug/l #	93
45) 1,4-Dioxane	9.19	88	32106	357.928	ug/l	97
46) Methyl methacrylate	9.19	41	105306	18.885	ug/l	98
47) n-amyl Acetate	12.07	43	189555	18.077	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	138185	17.874	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	160978	18.559	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	102131	19.548	ug/l	98
51) Ethyl methacrylate	10.43	69	150469	18.574	ug/l	97
52) 1,3-Dichloropropane	10.71	76	179351	19.629	ug/l	100
53) Dibromochloromethane	10.90	129	91792	17.790	ug/l	97
54) 1,2-Dibromoethane	11.00	107	96372	18.539	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	338363	87.899	ug/l	99
56) Bromoform	12.13	173	52668	16.477	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	666465	108.044	ug/l	99
59) 2-Hexanone	10.75	43	462572	99.931	ug/l	99
61) Tetrachloroethene	10.63	164	81299	20.103	ug/l	98
62) Toluene	10.15	91	452292	20.536	ug/l	99
64) Chlorobenzene	11.44	112	273300	20.003	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	91392	19.265	ug/l	97
66) Ethyl Benzene	11.51	91	495055	20.595	ug/l	99
67) m/p-Xylenes	11.62	106	365095	39.795	ug/l	99
68) o-Xylene	11.95	106	176388	19.625	ug/l	99
69) Styrene	11.97	104	298839	19.501	ug/l	99
70) Isopropylbenzene	12.25	105	486053	20.455	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	145988	19.658	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	124339m	18.864	ug/l	
73) Bromobenzene	12.53	156	106764	18.767	ug/l	95
74) n-propylbenzene	12.60	91	568054	20.924	ug/l	100
75) 2-Chlorotoluene	12.68	91	333007	19.693	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	406985	20.114	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	30467	15.581	ug/l	98
78) 4-Chlorotoluene	12.78	91	342723	19.870	ug/l	98
79) tert-butylbenzene	13.00	119	348163	19.724	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	404916	20.084	ug/l	100
81) sec-Butylbenzene	13.18	105	470661	20.096	ug/l	99
82) p-Isopropyltoluene	13.29	119	420563	20.051	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	204351	19.326	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	203614	19.559	ug/l	98
85) n-Butylbenzene	13.62	91	372276	19.045	ug/l	98
86) Hexachloroethane	13.88	117	54100	16.193	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	202540	19.733	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.28	75	23634	18.075	ug/l	98
89) 1,2,4-Trichlorobenzene	14.92	180	119073	18.991	ug/l	99
90) Hexachlorobutadiene	15.02	225	54855	19.050	ug/l	99
91) Naphthalene	15.13	128	337959	19.589	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	116995	19.565	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

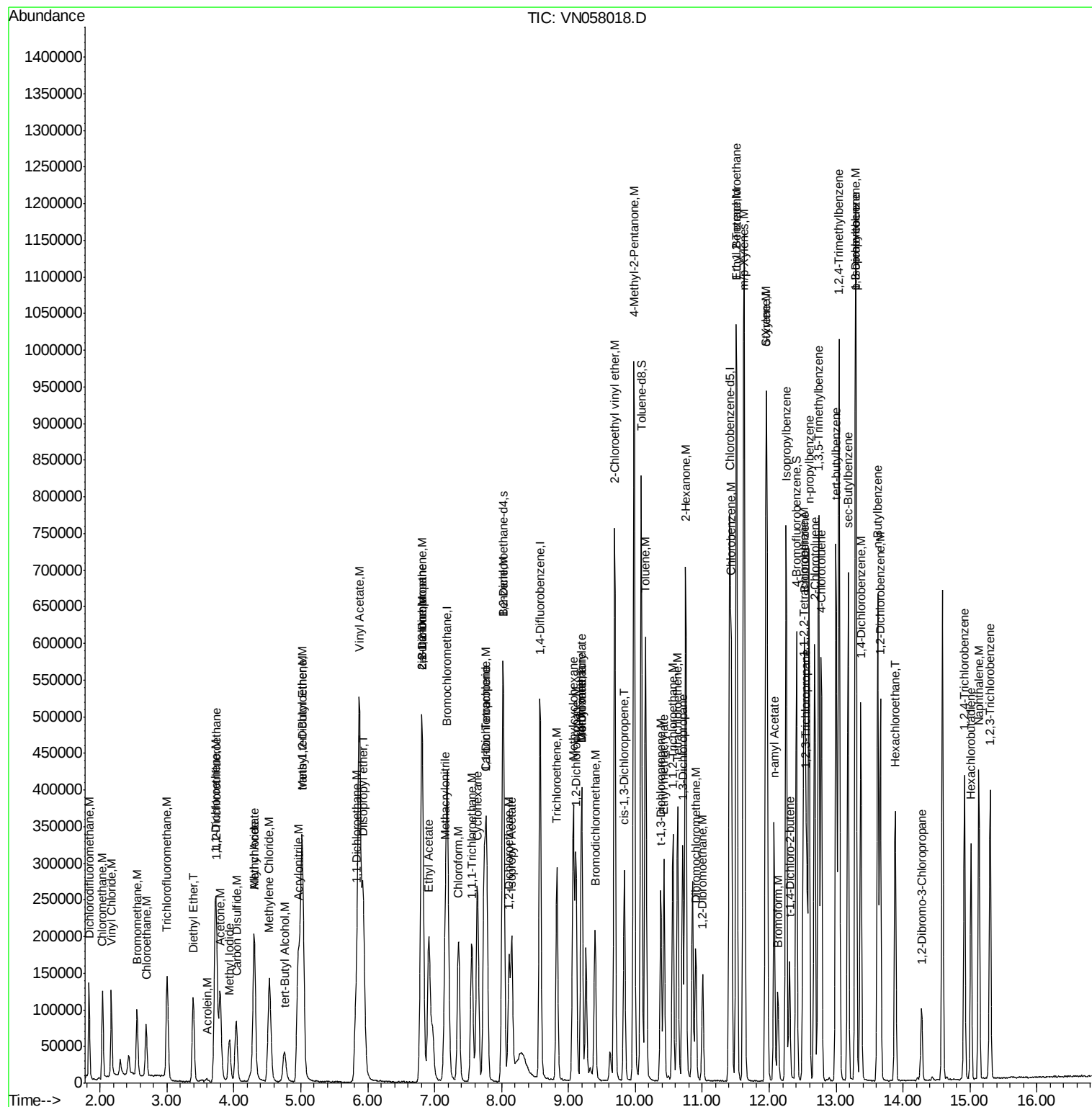
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
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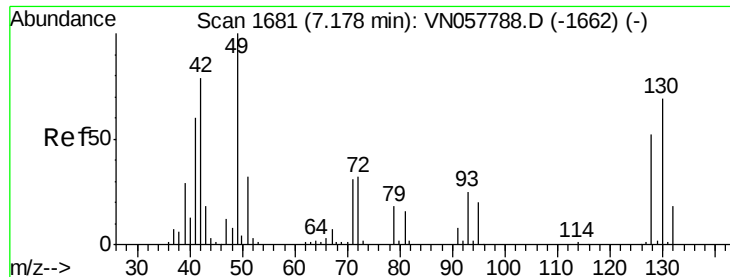
Instrument :
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:128 Resp: 75583

Ion Ratio Lower Upper

128 100

49 189.6 0.0 486.5

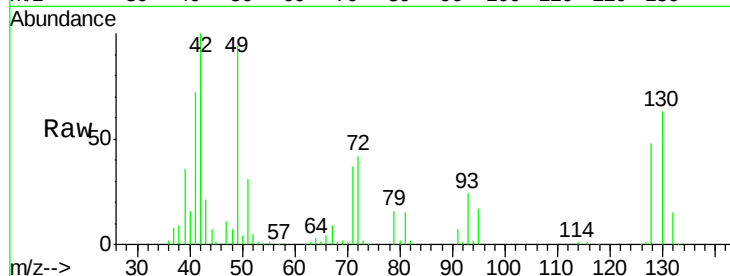
130 76.1 0.0 324.5

Manual Integrations

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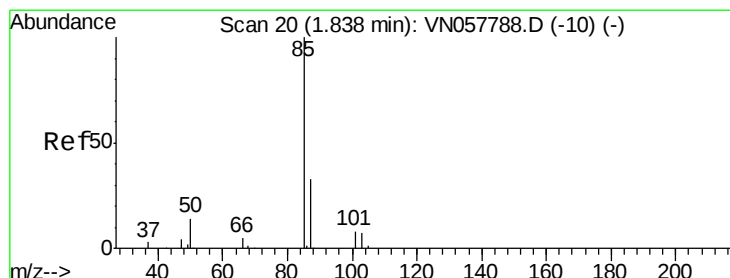
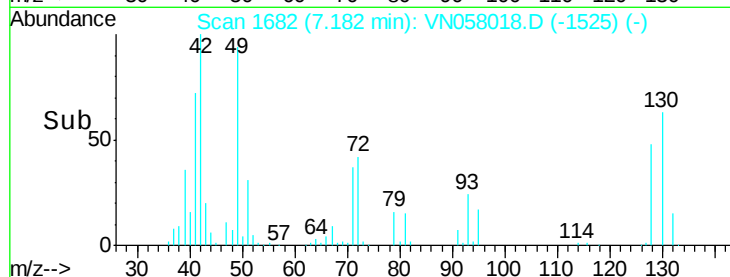
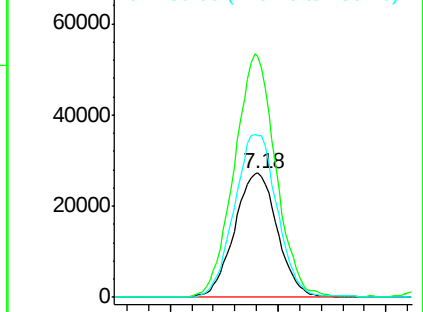
9/16/2019 2:50:06 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.101 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058018.D

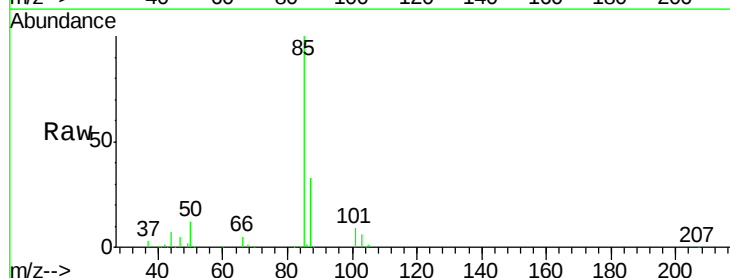
Acq: 13 Sep 2019 14:58

Tgt Ion: 85 Resp: 96362

Ion Ratio Lower Upper

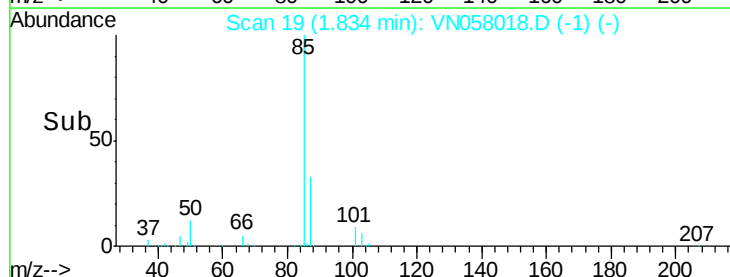
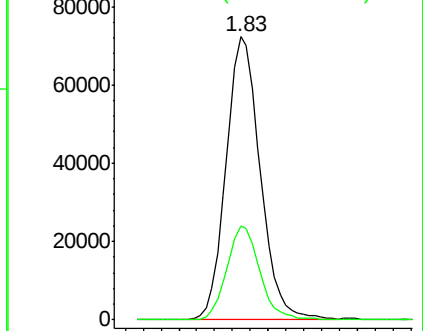
85 100

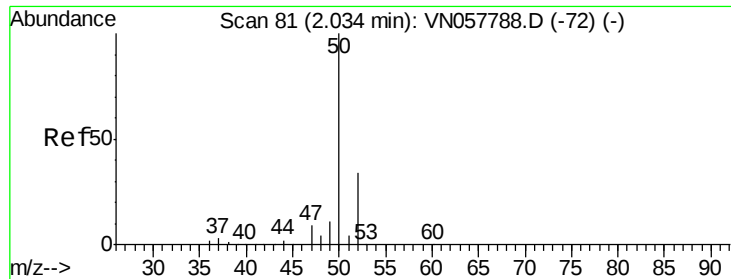
87 33.0 16.4 49.4



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 17.898 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 101914

Ion Ratio Lower Upper

50 100

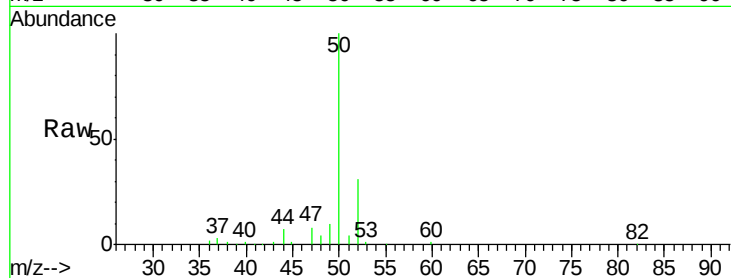
52 30.8 26.9 40.3

Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2.04

80000

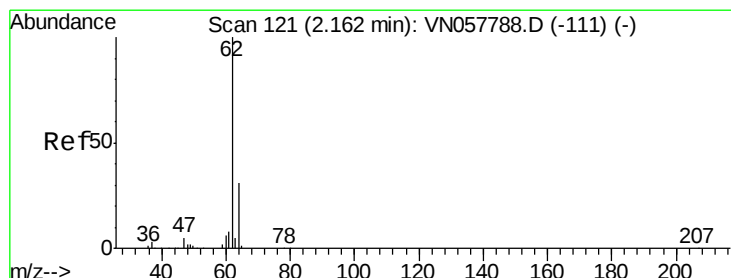
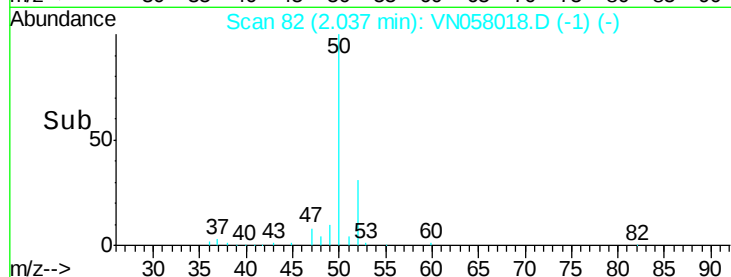
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 17.497 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058018.D

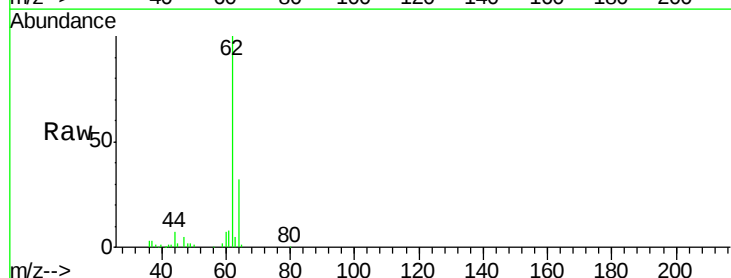
Acq: 13 Sep 2019 14:58

Tgt Ion: 62 Resp: 101939

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

2.17

80000

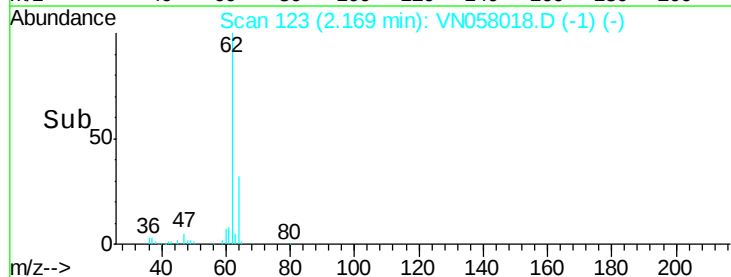
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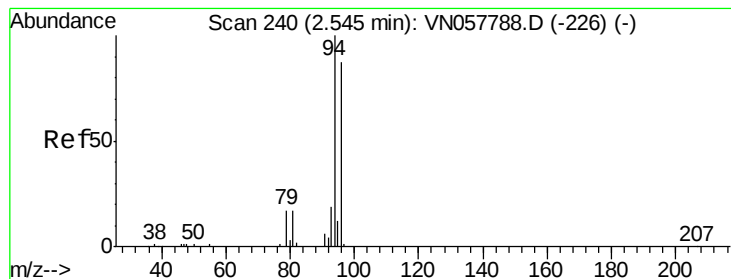
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20000

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Time-->





#5

Bromomethane

Concen: 16.282 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 59199

Ion Ratio Lower Upper

94 100

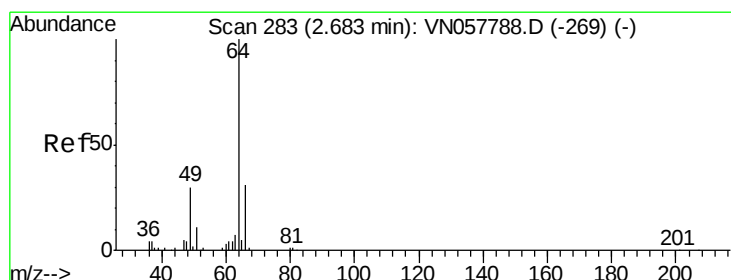
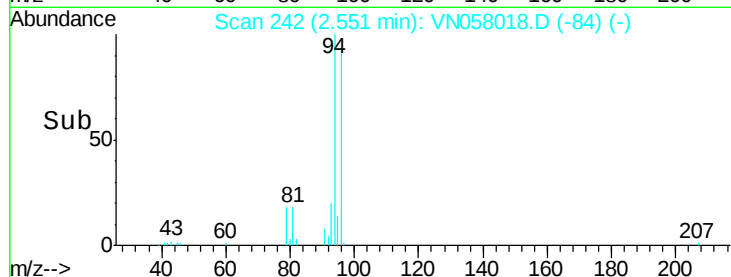
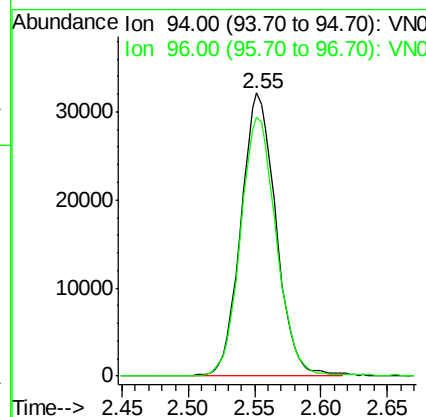
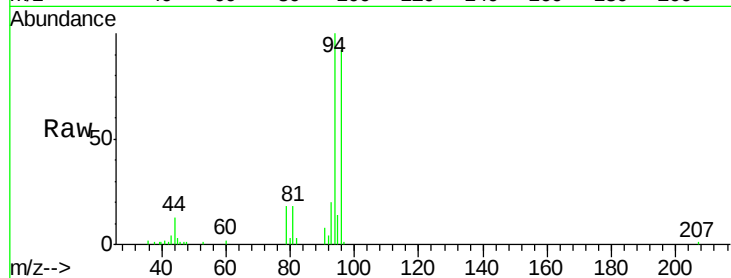
96 91.5 69.2 103.8

Manual Integrations

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#6

Chloroethane

Concen: 17.902 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN058018.D

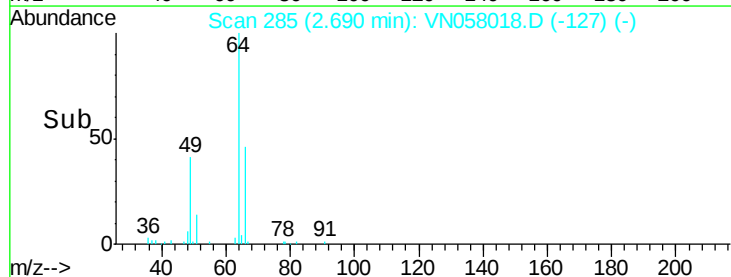
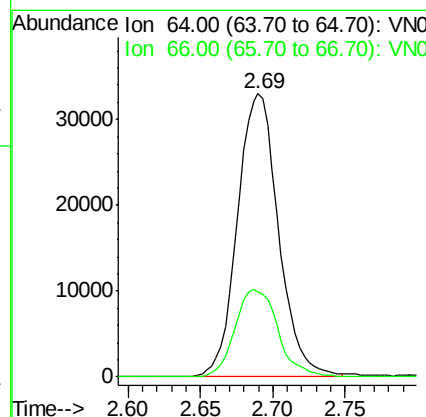
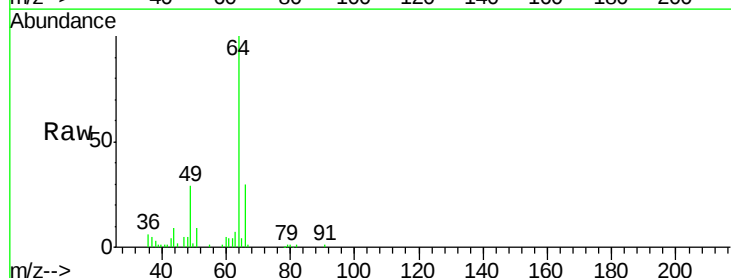
Acq: 13 Sep 2019 14:58

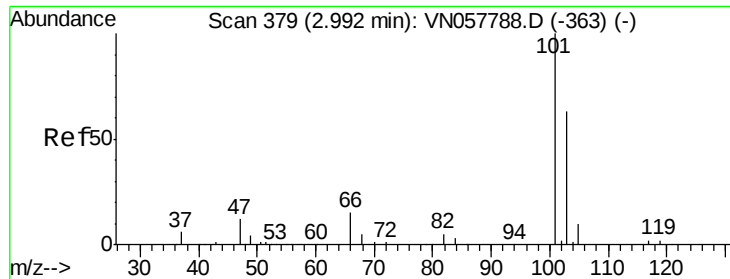
Tgt Ion: 64 Resp: 64816

Ion Ratio Lower Upper

64 100

66 30.2 24.4 36.6





#7

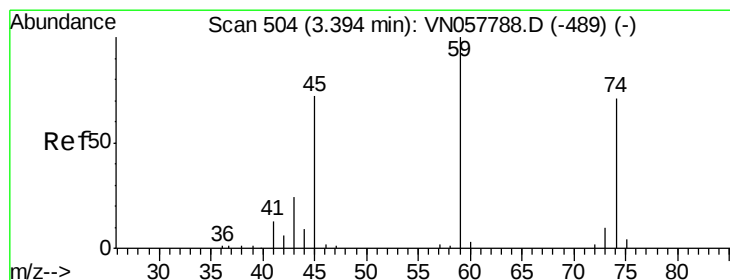
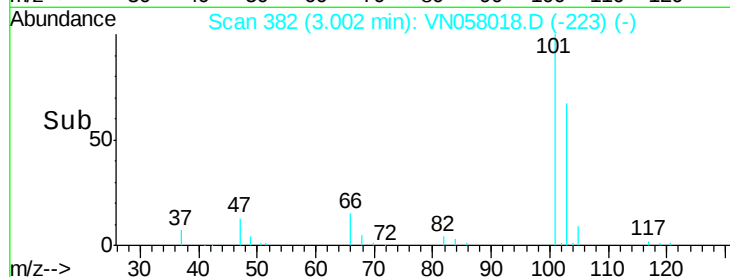
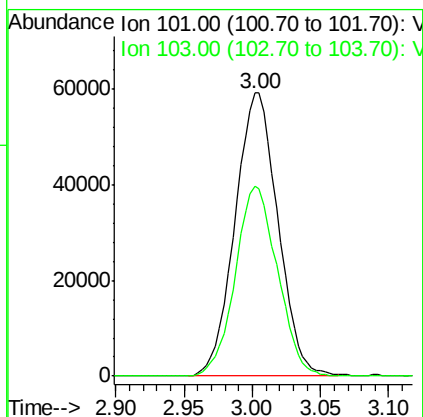
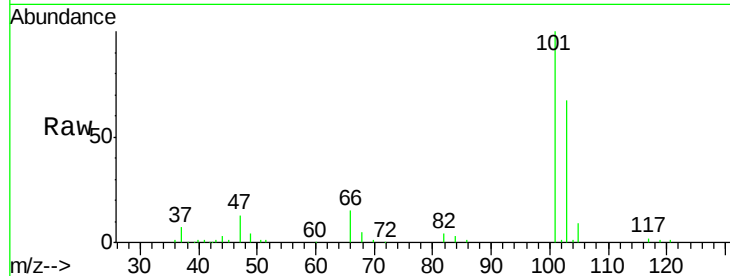
Trichlorofluoromethane
Concen: 19.238 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.01 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Instrument :
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ClientSampleId :
VSTDCCC020EC

Tot Ion:101 Resp: 129484
Ion Ratio Lower Upper
101 100
103 67.2 50.2 75.2

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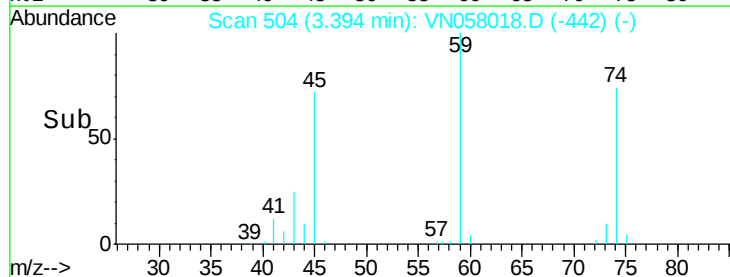
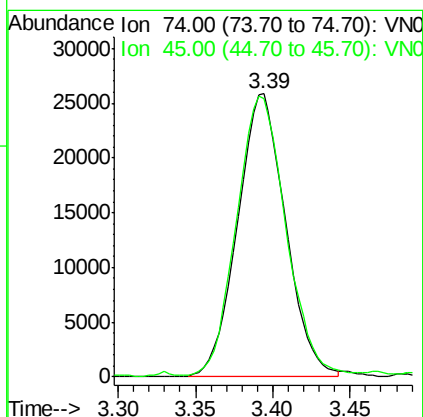
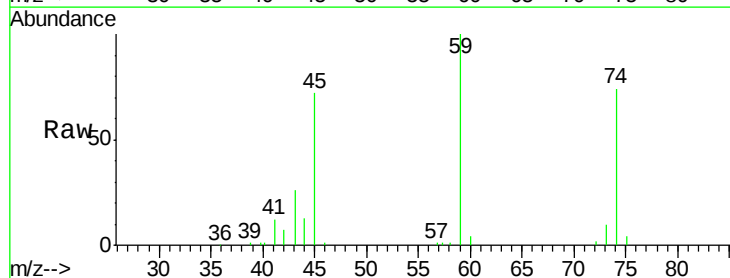
MMDadoda
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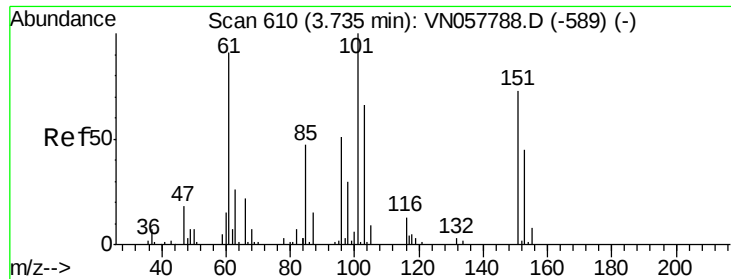


#8

Diethyl Ether
Concen: 20.579 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Tgt Ion: 74 Resp: 55877
Ion Ratio Lower Upper
74 100
45 100.7 20.3 182.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.719 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_N

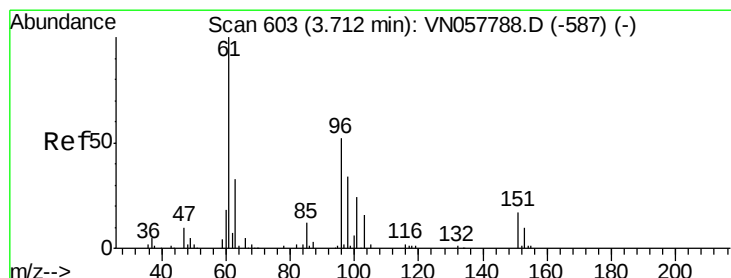
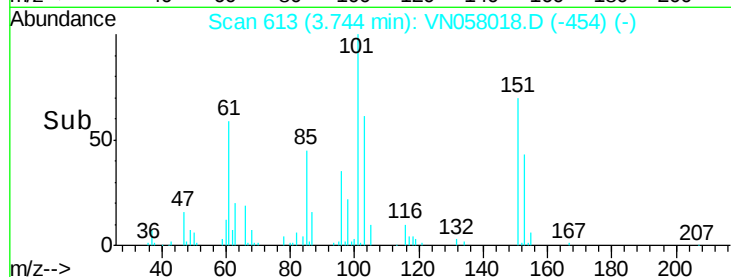
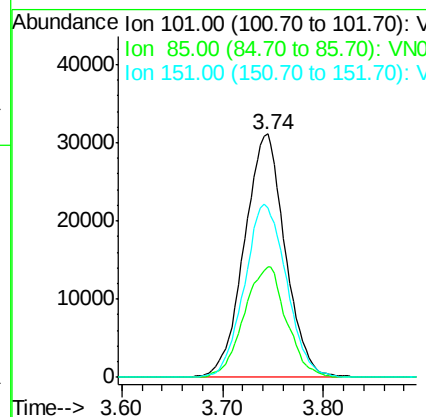
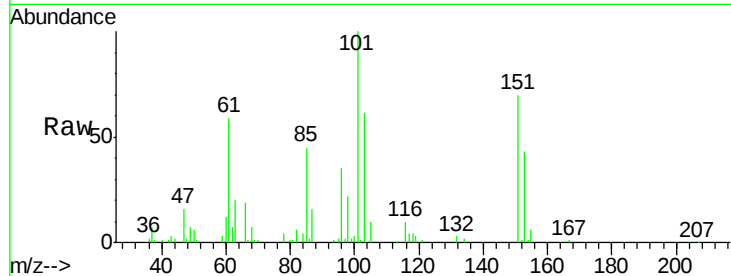
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	87078
Ion Ratio	Lower	Upper	
101	100		
85	47.0	0.0	94.0
151	73.4	0.0	144.4

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#10

1,1-Dichloroethene

Concen: 19.853 ug/l

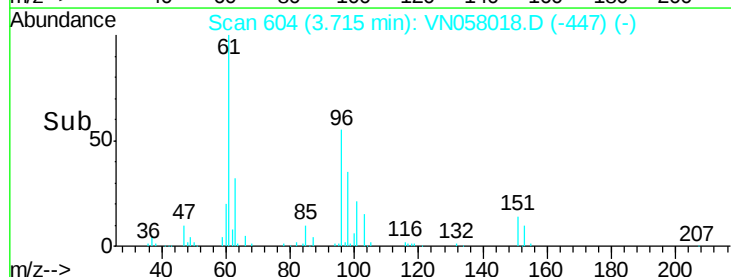
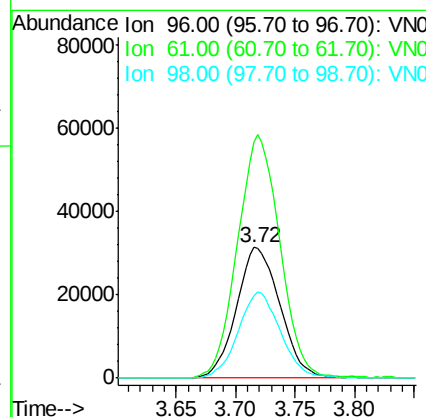
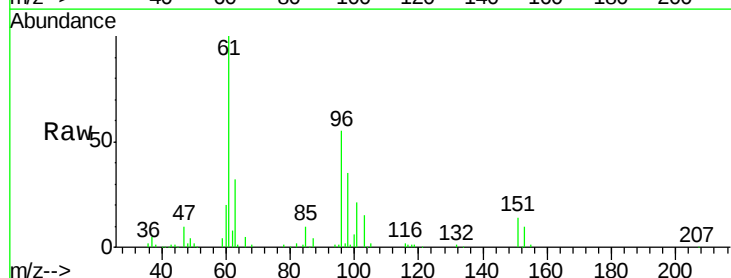
RT: 3.72 min Scan# 604

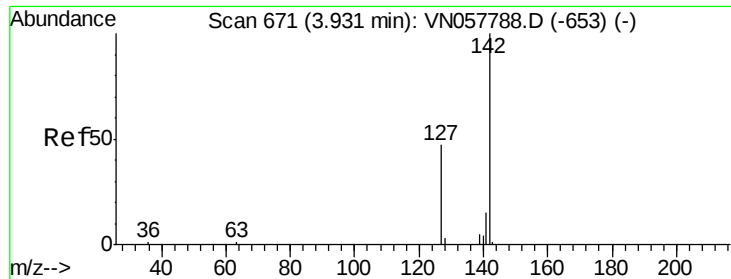
Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Tgt Ion:	96	Resp:	79346
Ion Ratio	Lower	Upper	
96	100		
61	180.2	153.4	230.0
98	63.0	51.5	77.3





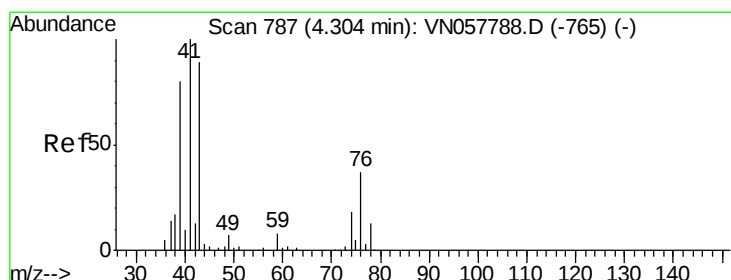
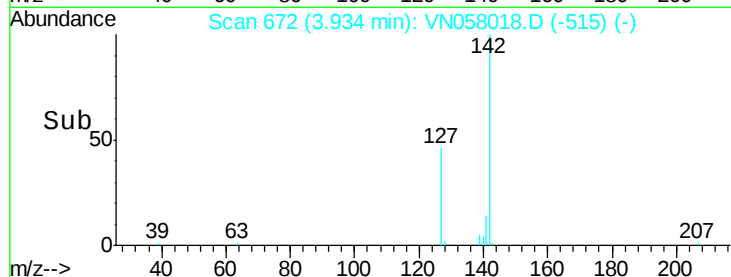
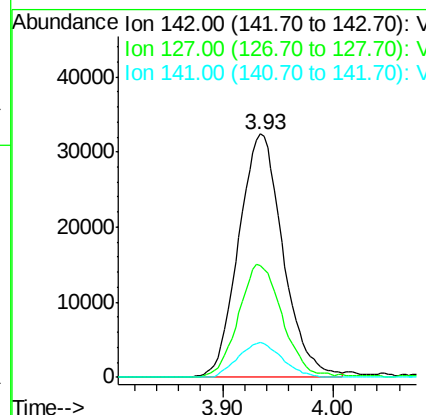
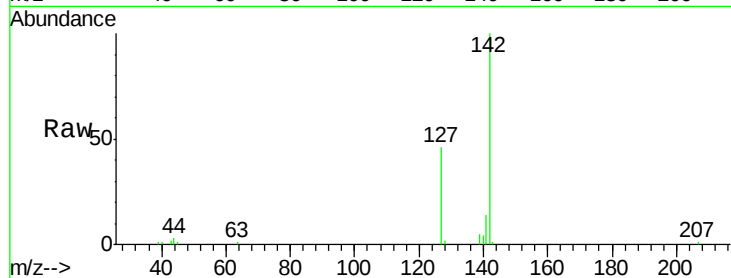
#11
Methyl Iodide
Concen: 16.880 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.8	23.3	69.8
141	14.5	7.5	22.6

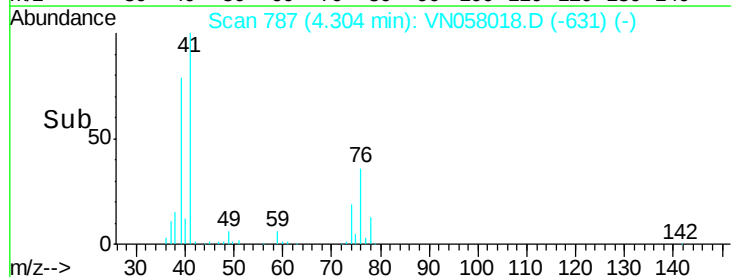
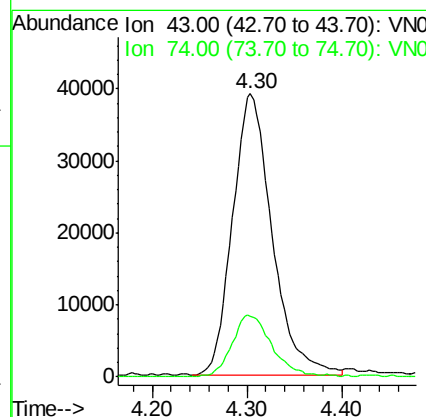
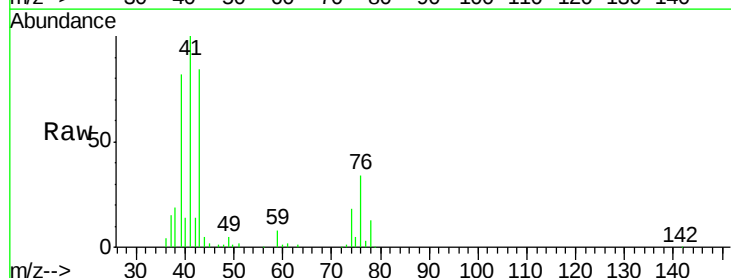
Manual Integrations
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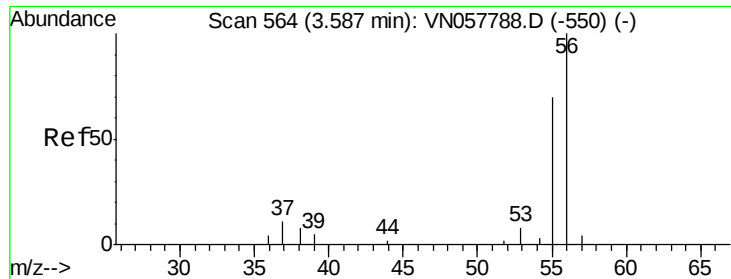
MMDadoda
9/16/2019 2:50:06 PM



#12
Methyl Acetate
Concen: 20.775 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	16.2	24.4





#13

Acrolein

Concen: 17.071 ug/l m

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 5080

Ion Ratio Lower Upper

56 100

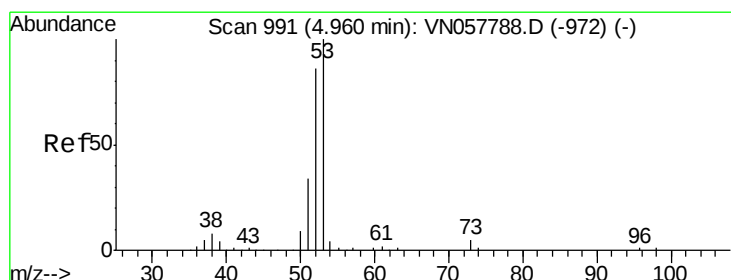
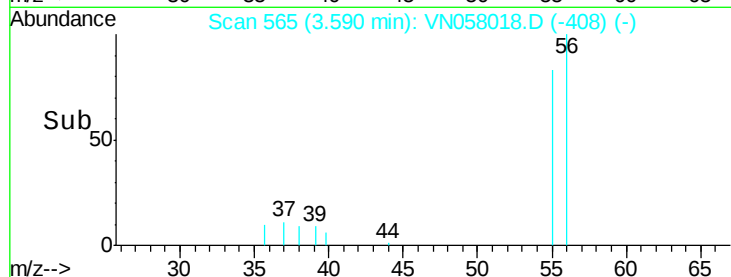
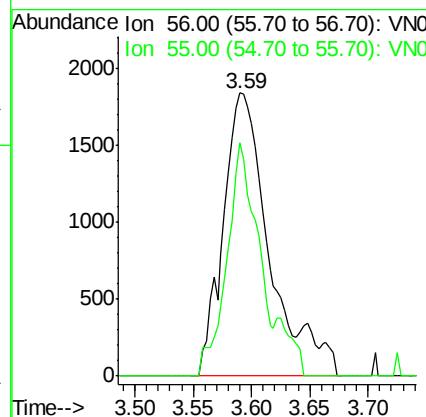
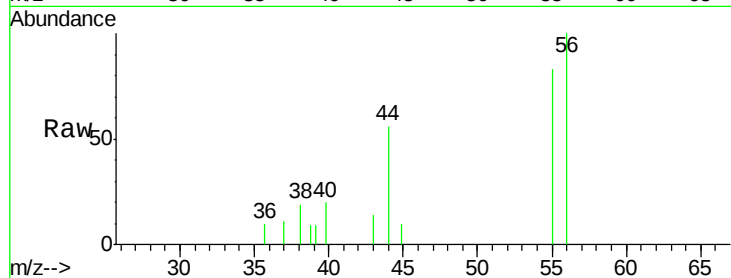
55 44.2 59.0 88.4#

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#14

Acrylonitrile

Concen: 102.484 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

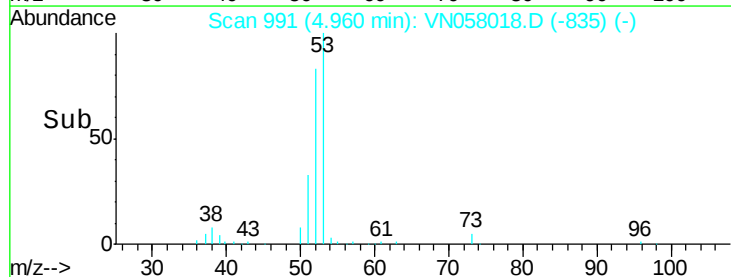
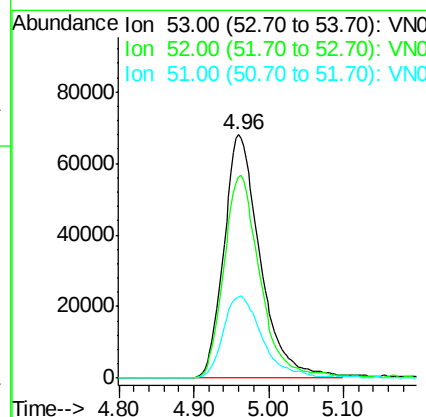
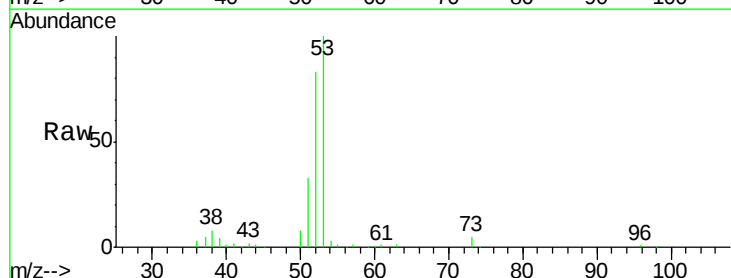
Tgt Ion: 53 Resp: 229142

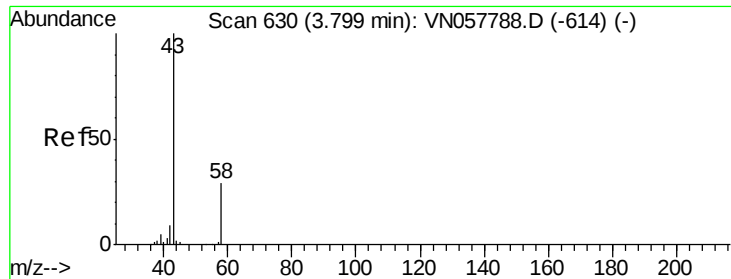
Ion Ratio Lower Upper

53 100

52 81.3 41.0 123.0

51 36.1 8.6 25.8#





#15

Acetone

Concen: 90.971 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 57745

Ion Ratio Lower Upper

58 100

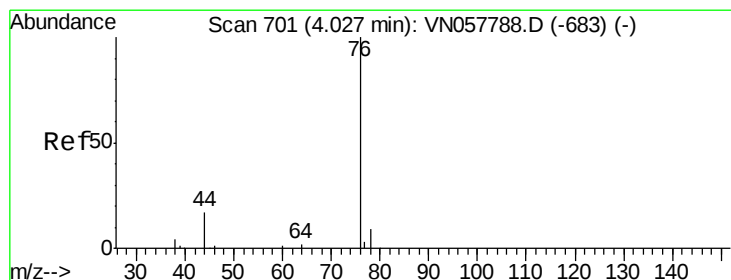
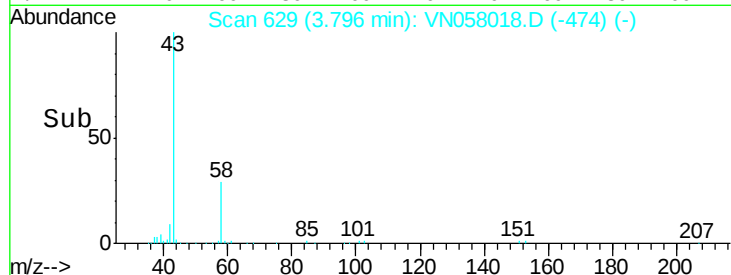
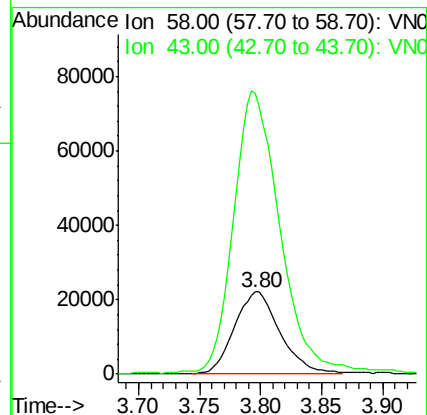
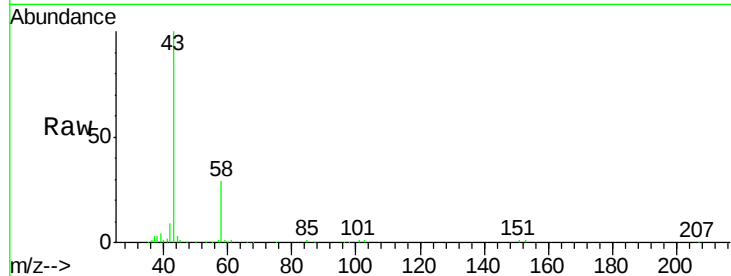
43 337.8 277.7 416.5

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#16

Carbon Disulfide

Concen: 17.458 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058018.D

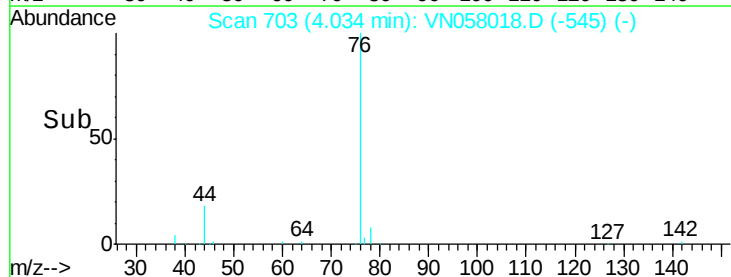
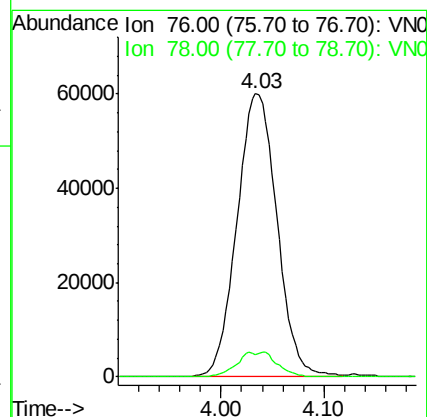
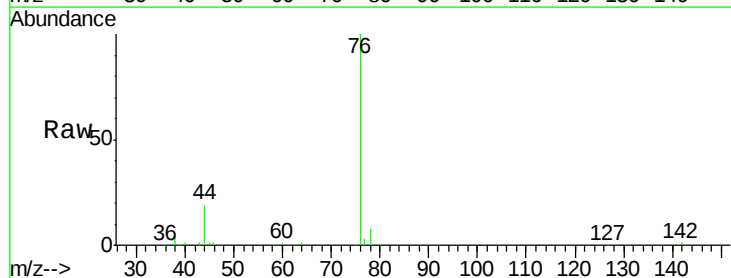
Acq: 13 Sep 2019 14:58

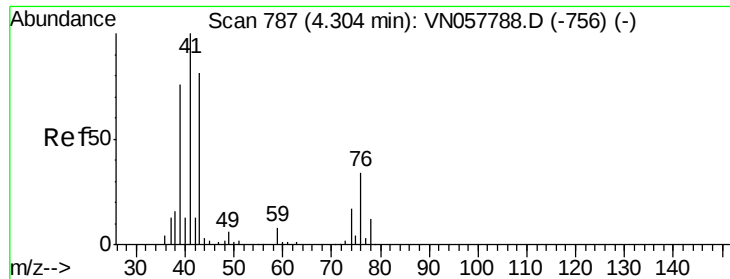
Tgt Ion: 76 Resp: 162475

Ion Ratio Lower Upper

76 100

78 8.0 7.4 11.0





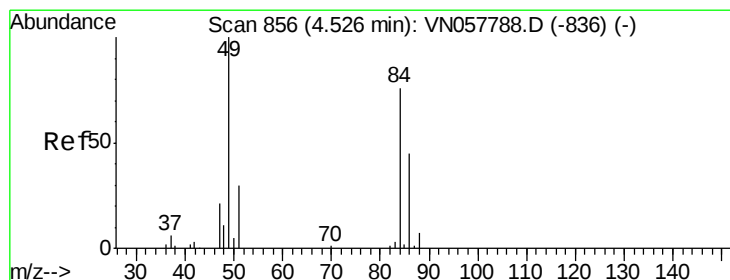
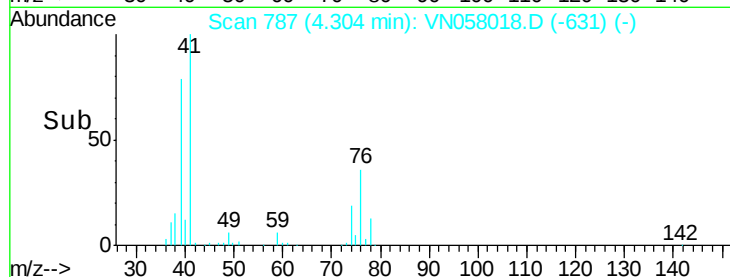
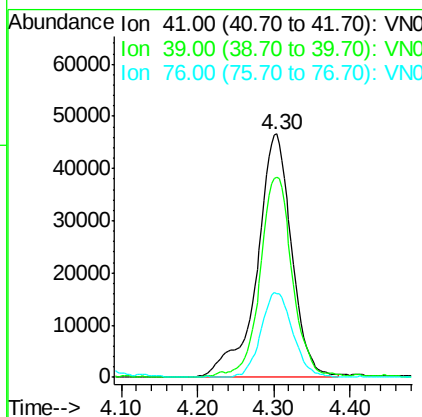
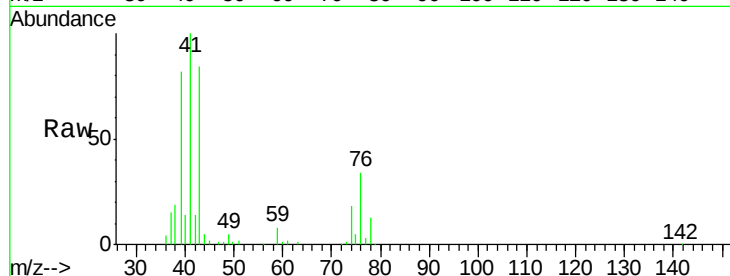
#17
Allvl chloride
Concen: 20.060 ug/l m
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	82.4	38.5	115.3
76	34.3	17.2	51.6

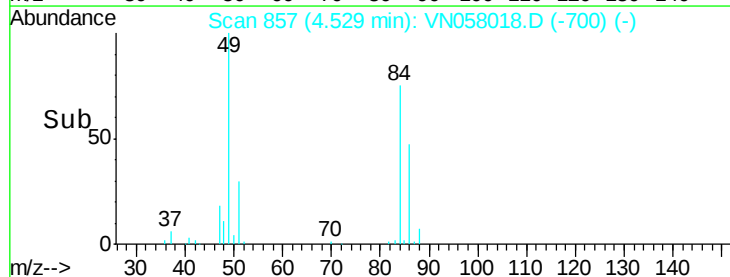
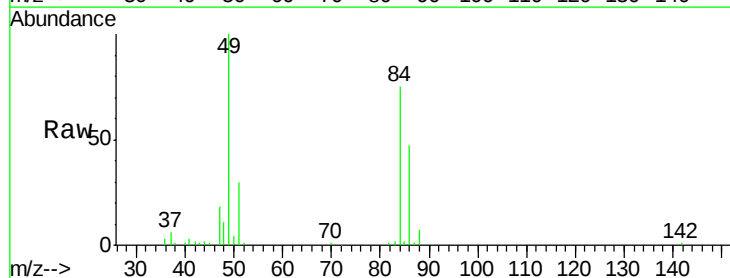
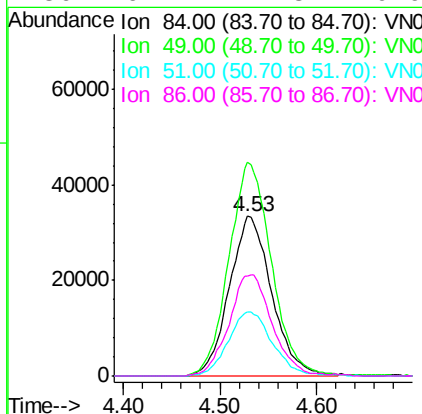
Manual Integrations
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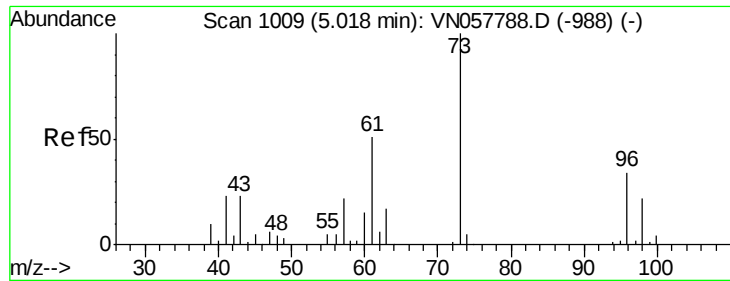
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#18
Methylene Chloride
Concen: 20.232 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.0	105.4	158.2
51	40.3	31.3	46.9
86	62.2	47.3	70.9





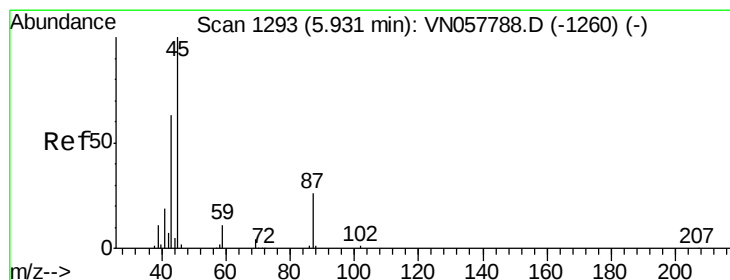
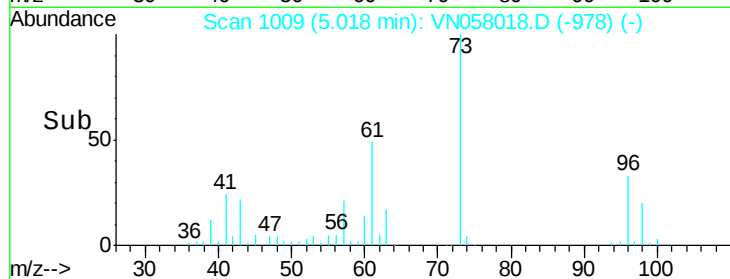
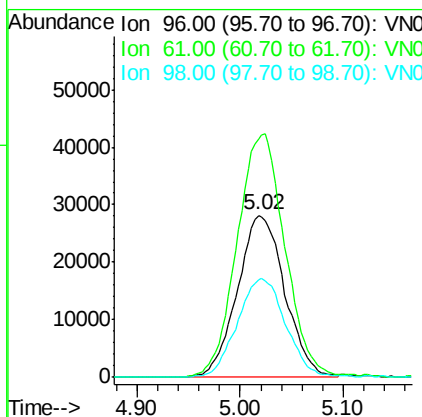
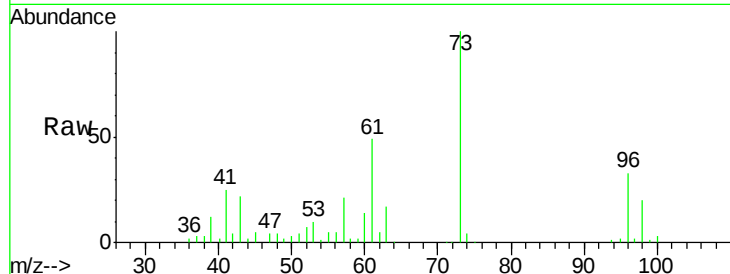
#19
trans-1,2-Dichloroethene
Concen: 20.206 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.4	121.0	181.6
98	60.1	52.7	79.1

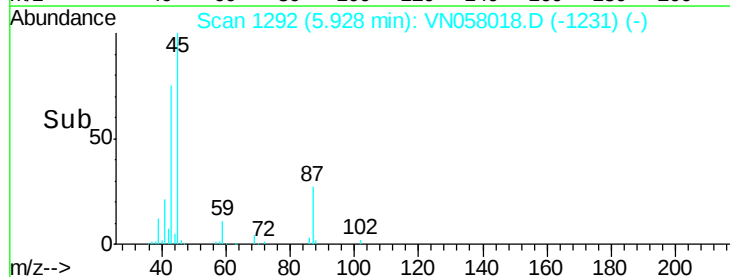
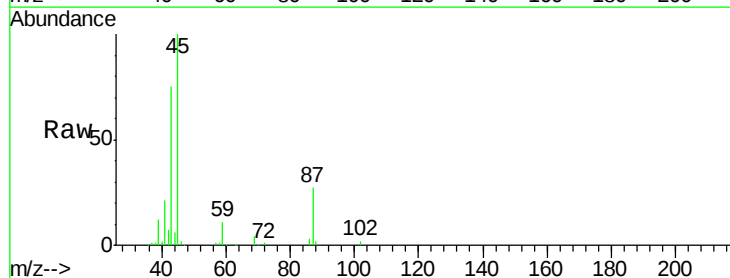
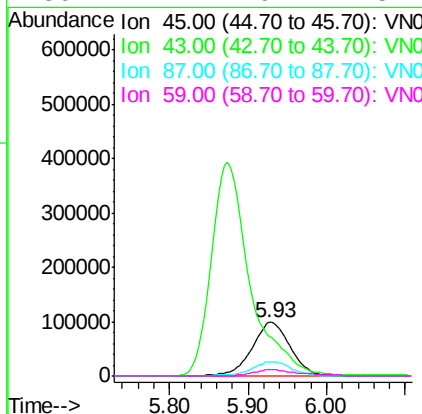
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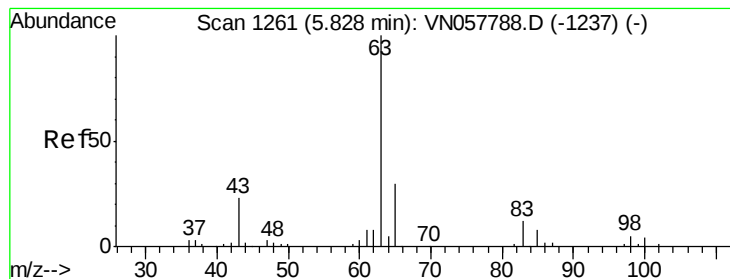
MMDadoda
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#20
Diisopropyl ether
Concen: 19.654 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.8	55.2	82.8
87	26.4	21.3	31.9
59	11.2	9.1	13.7





#21

1,1-Dichloroethane

Concen: 20.828 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_N

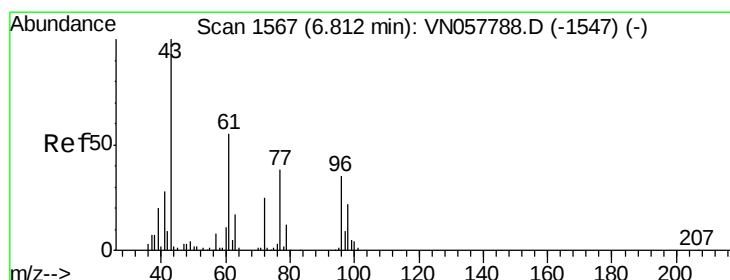
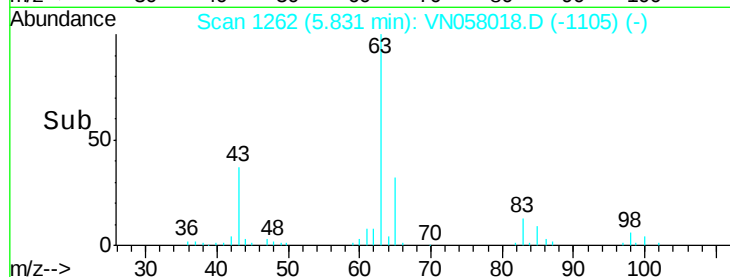
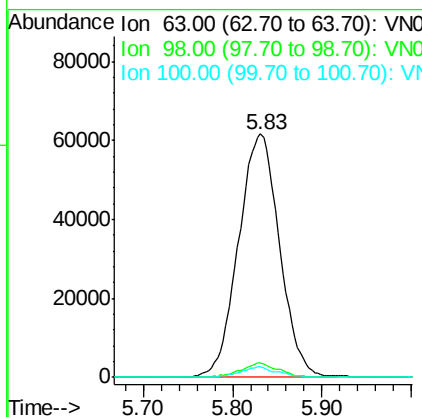
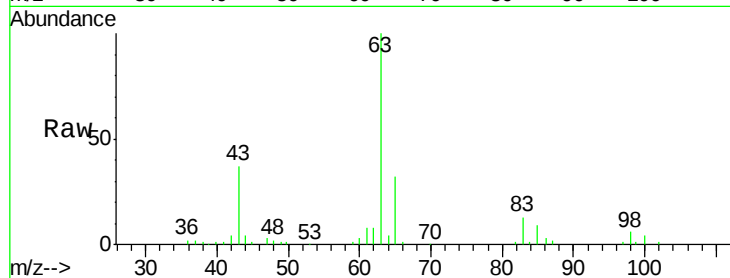
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	196620
Ion Ratio		Lower	Upper
63	100		
98	5.8	2.8	8.3
100	4.3	1.8	5.5

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 20.323 ug/l

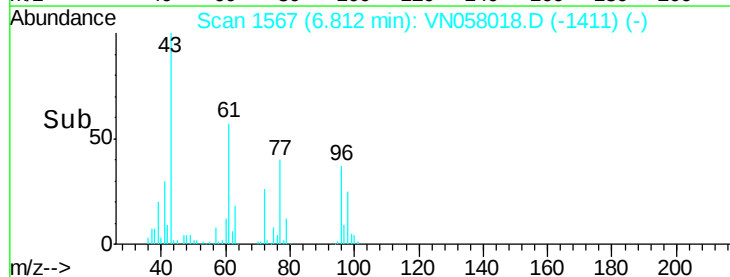
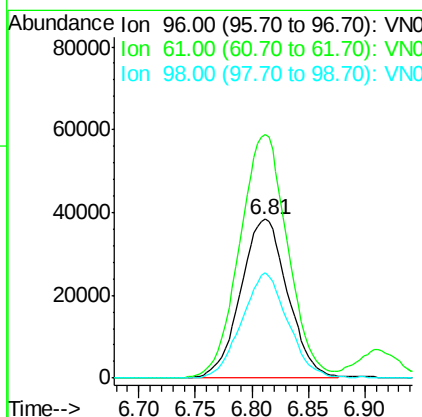
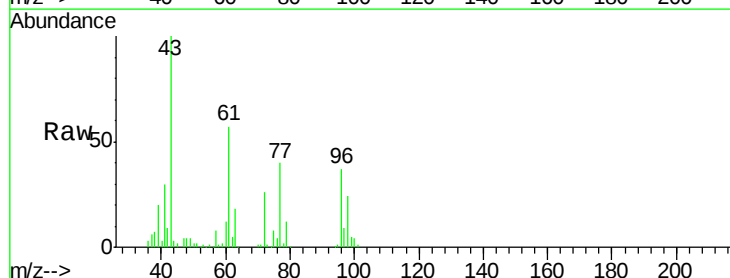
RT: 6.81 min Scan# 1567

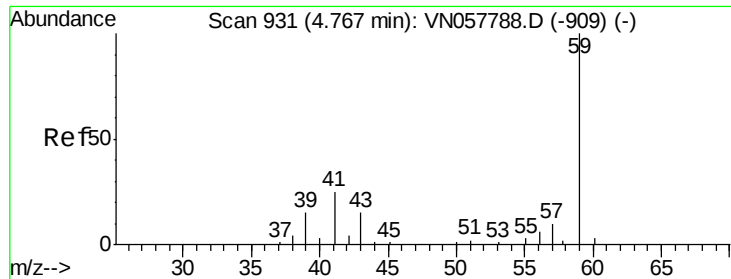
Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Tgt Ion:	96	Resp:	110915
Ion Ratio		Lower	Upper
96	100		
61	156.4	127.4	191.0
98	64.5	51.5	77.3





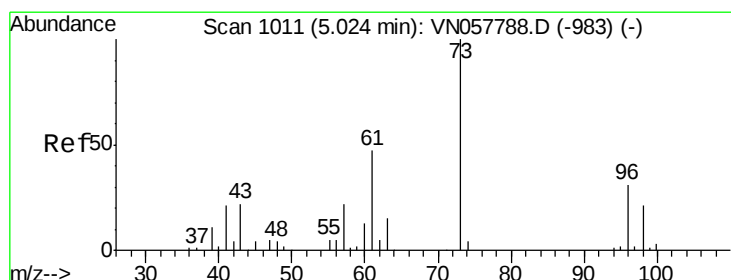
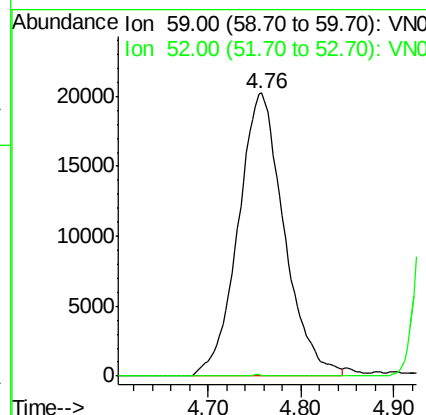
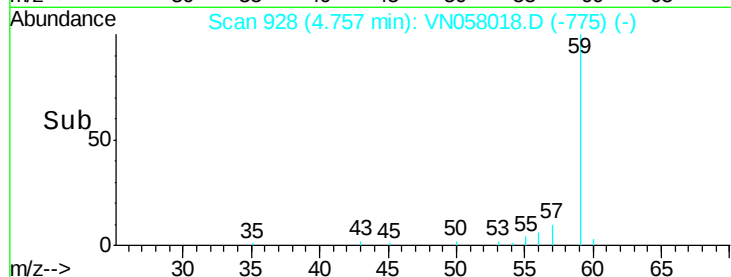
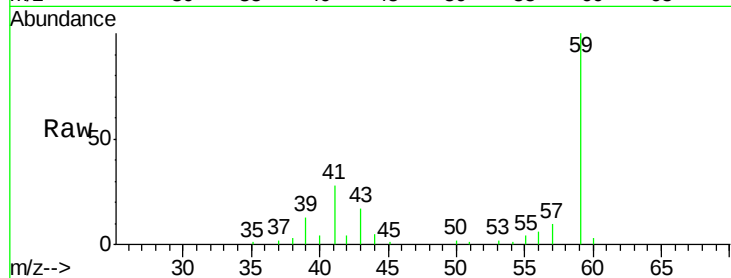
#23
 tert-Butyl Alcohol
 Concen: 95.532 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 59 Resp: 69731
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#

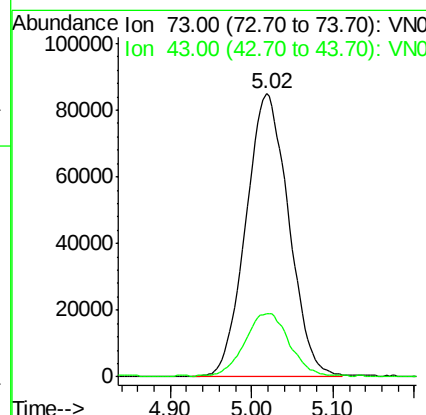
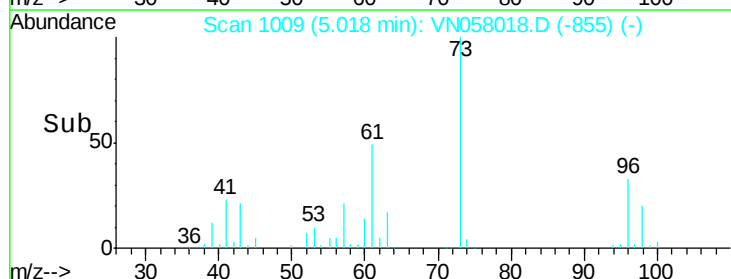
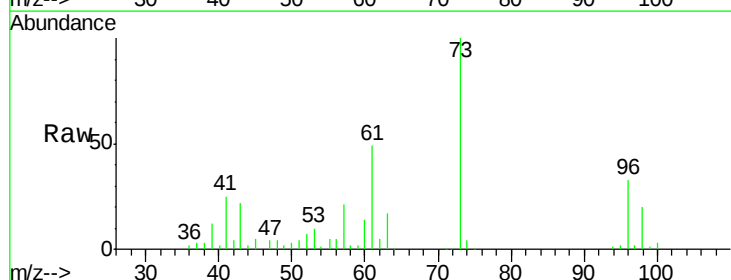
Manual Integrations
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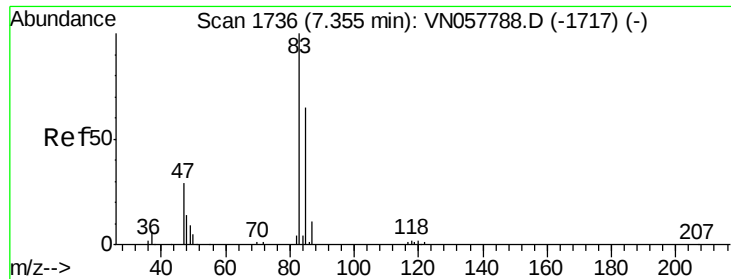
MMDadoda
 9/16/2019 2:50:06 PM



#24
 Methyl tert-Butyl Ether
 Concen: 20.215 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Tgt Ion: 73 Resp: 309667
 Ion Ratio Lower Upper
 73 100
 43 22.9 0.0 0.0#





#25

Chloroform

Concen: 20.283 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 194937

Ion Ratio Lower Upper

83 100

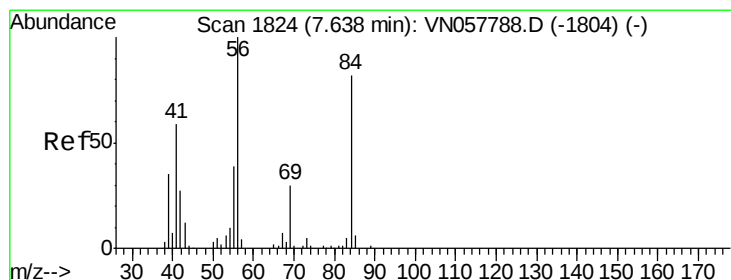
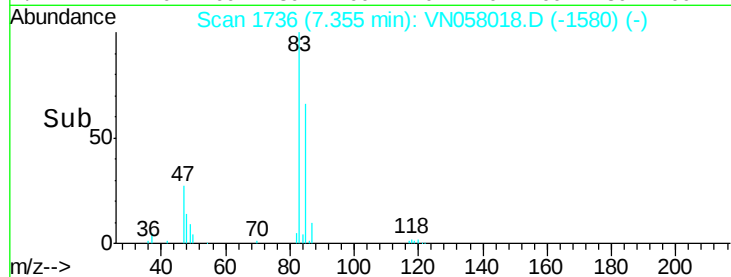
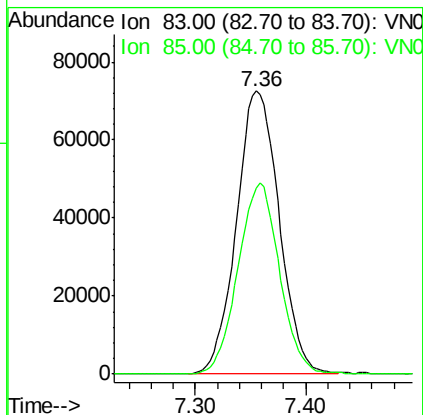
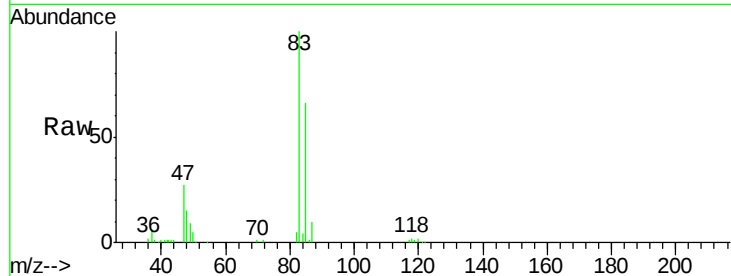
85 65.8 51.8 77.6

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#26

Cyclohexane

Concen: 19.533 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

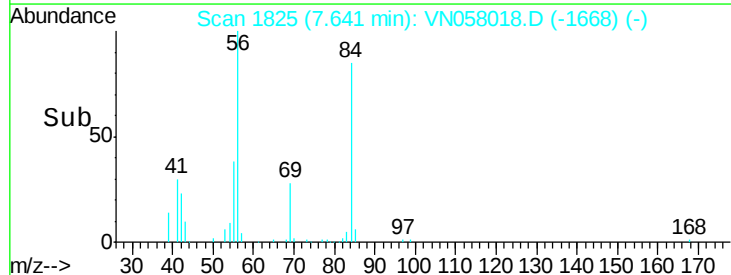
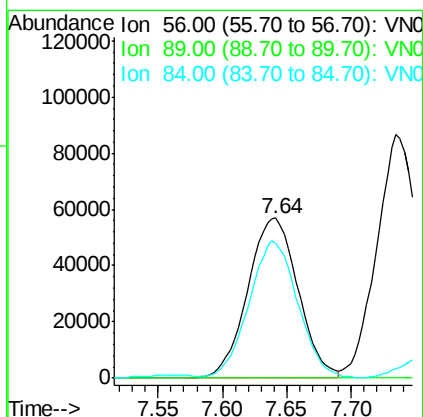
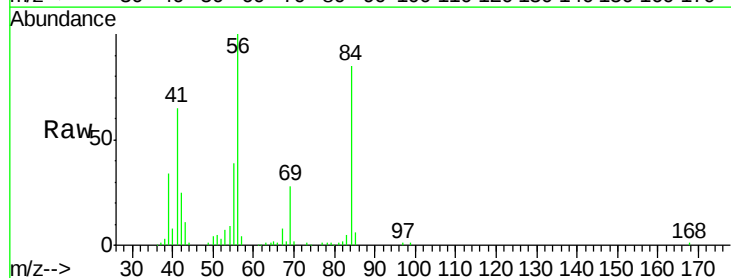
Tgt Ion: 56 Resp: 154932

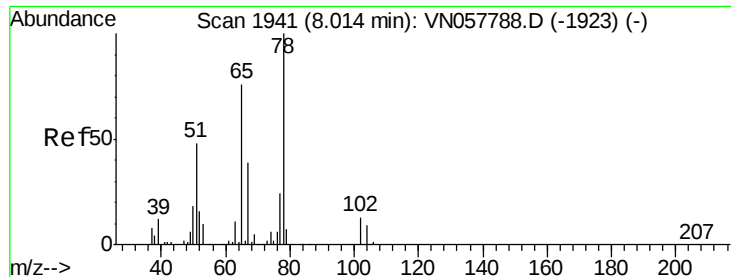
Ion Ratio Lower Upper

56 100

89 0.1 0.3 0.5#

84 83.3 66.6 100.0





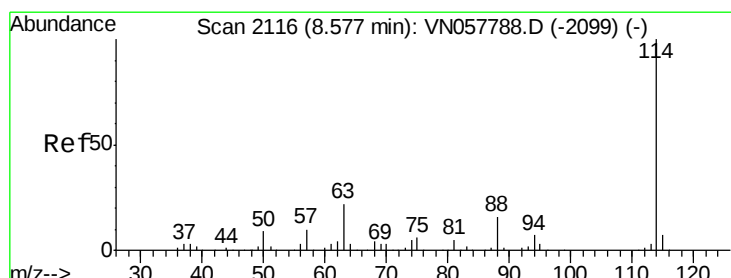
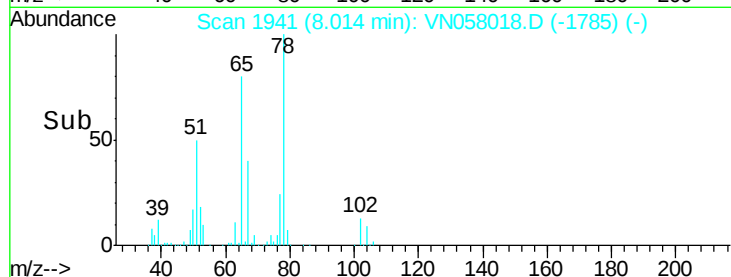
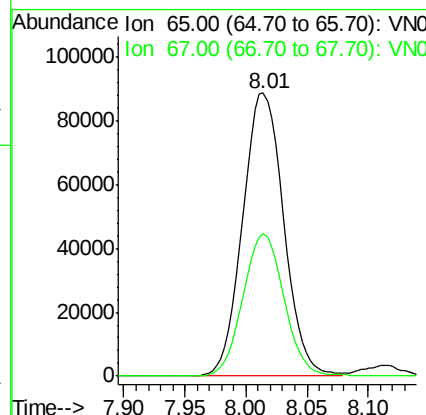
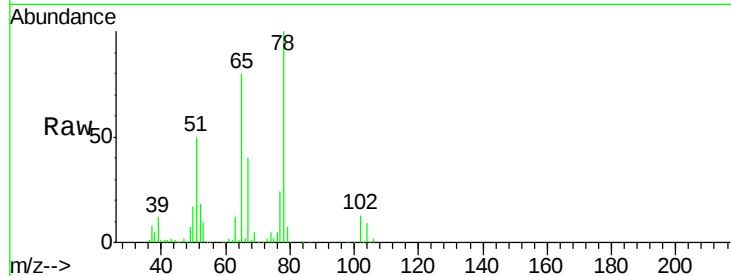
#27
 1,2-Dichloroethane-d4
 Concen: 30.914 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.1	40.9	61.3

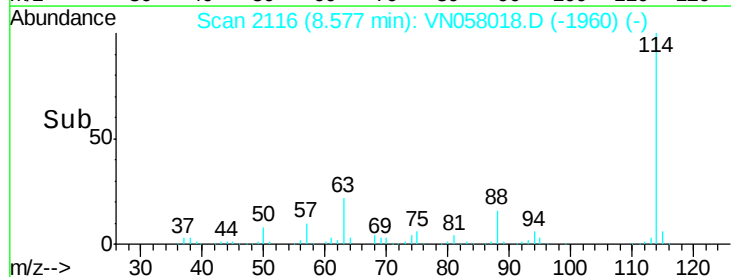
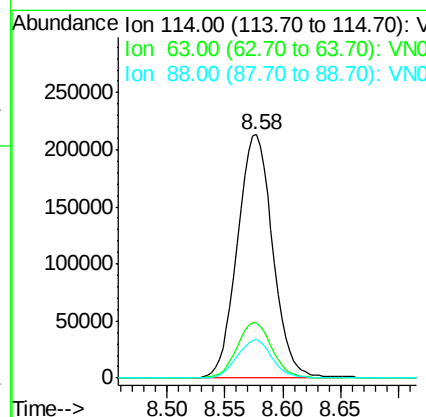
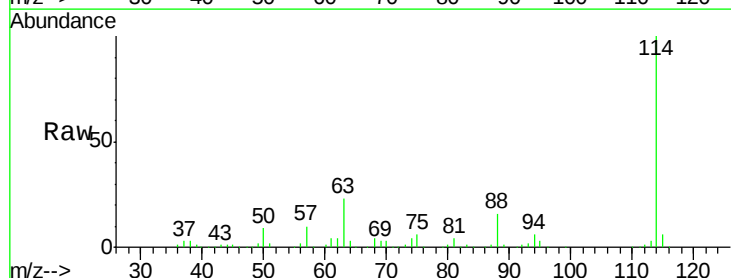
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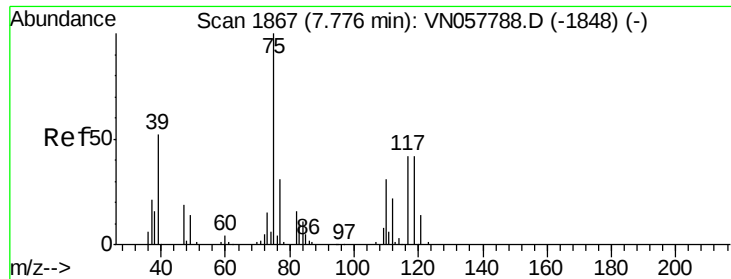
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.6	18.0	27.0
88	15.6	12.6	19.0





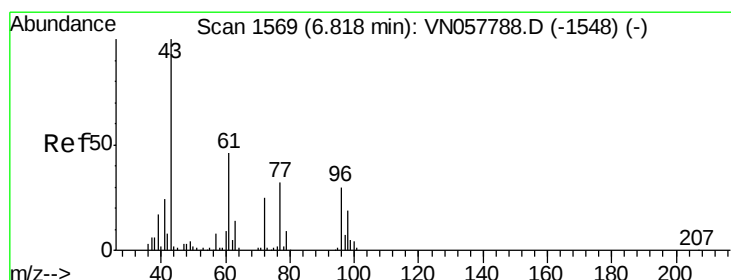
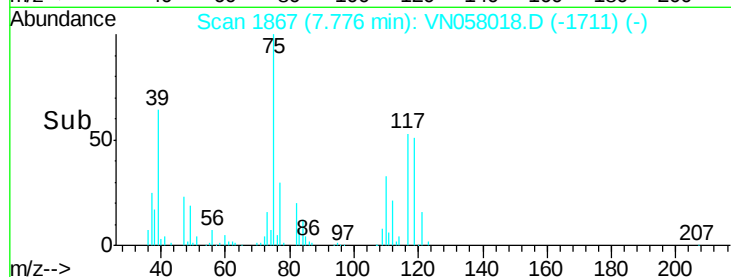
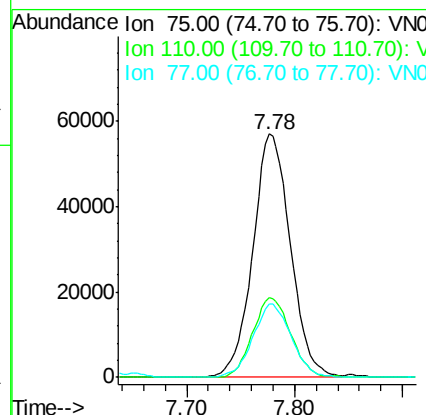
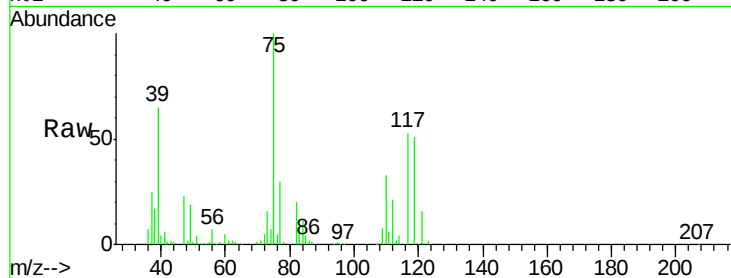
#29
 1,1-Dichloropropene
 Concen: 19.362 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.2	0.0	63.8
77	30.7	0.0	60.0

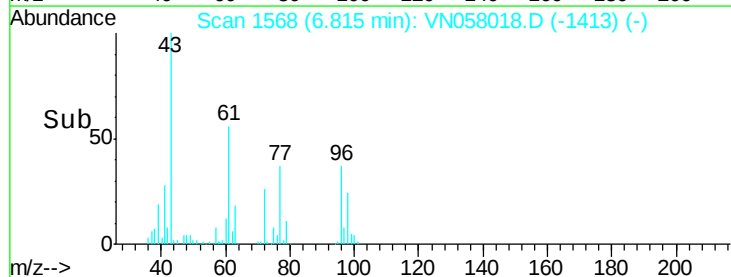
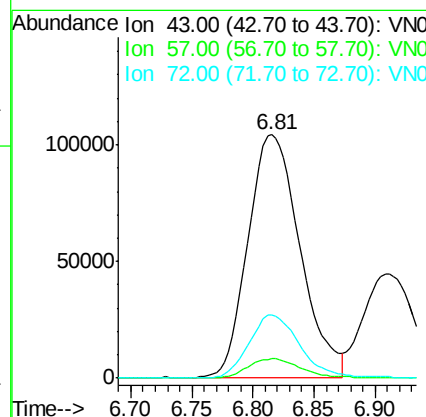
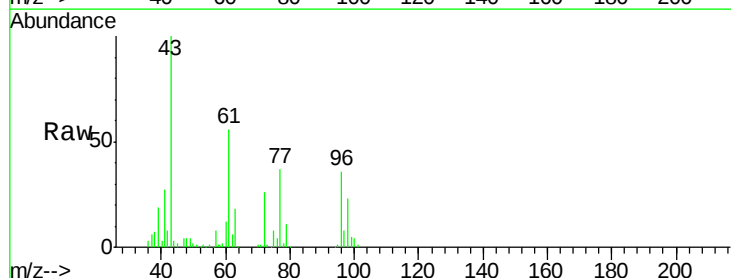
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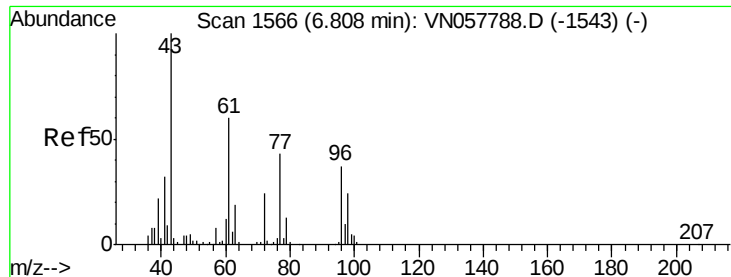
MMDadoda
 9/16/2019 2:50:06 PM



#30
 2-Butanone
 Concen: 95.680 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.3	6.4	9.6
72	25.4	20.3	30.5





#31

2,2-Dichloropropane

Concen: 18.528 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 139221

Ion Ratio Lower Upper

77 100

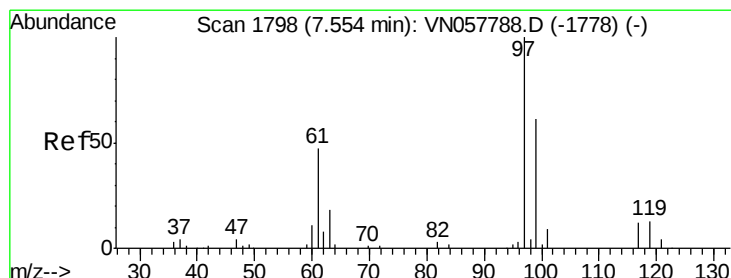
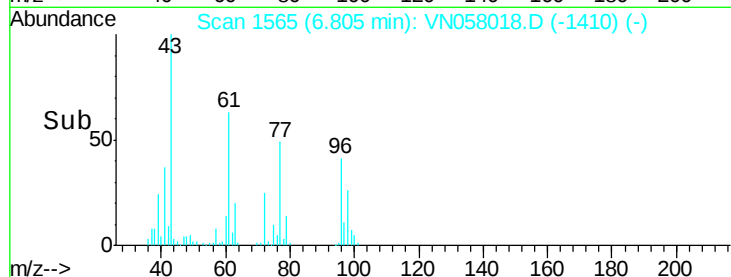
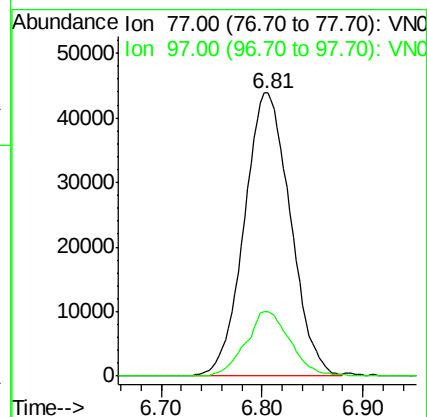
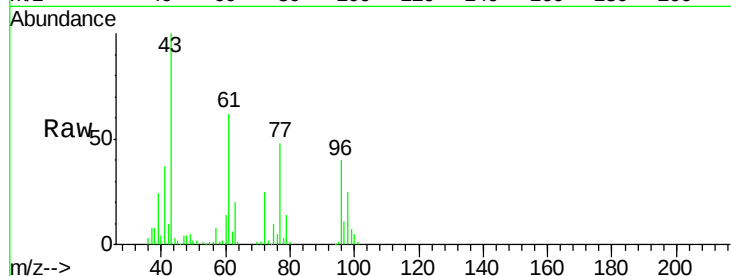
97 21.9 17.7 26.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.374 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

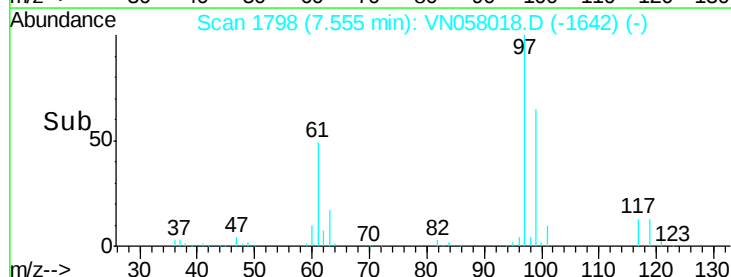
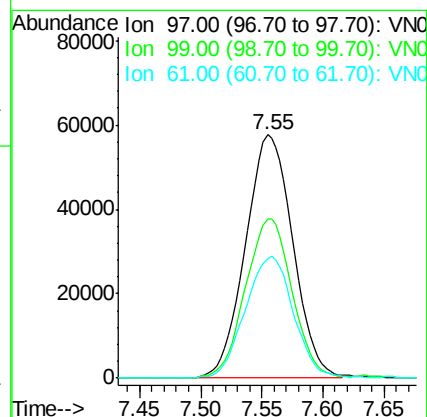
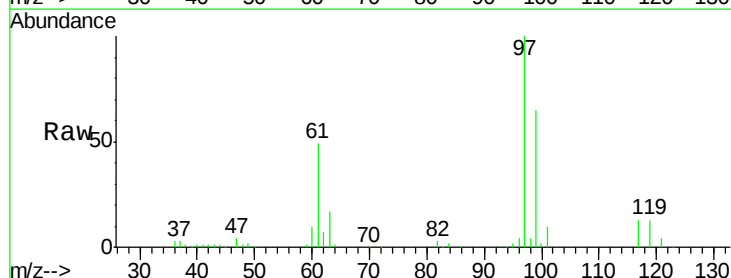
Tgt Ion: 97 Resp: 155026

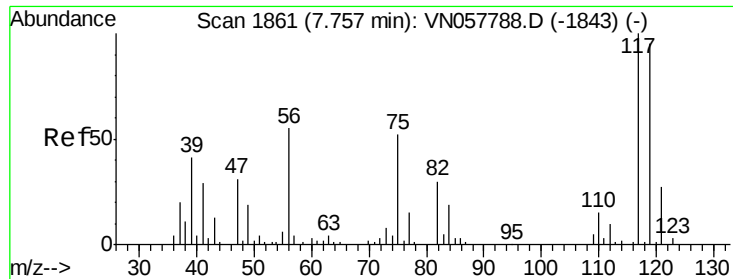
Ion Ratio Lower Upper

97 100

99 64.5 49.8 74.8

61 50.7 38.7 58.1





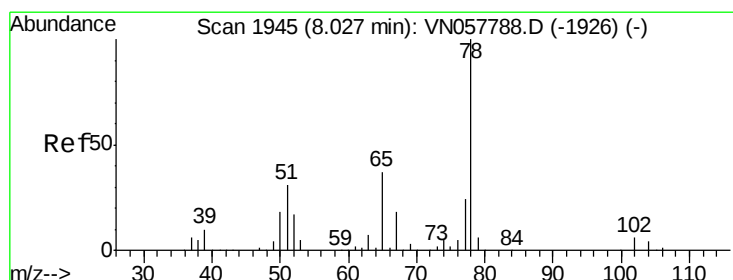
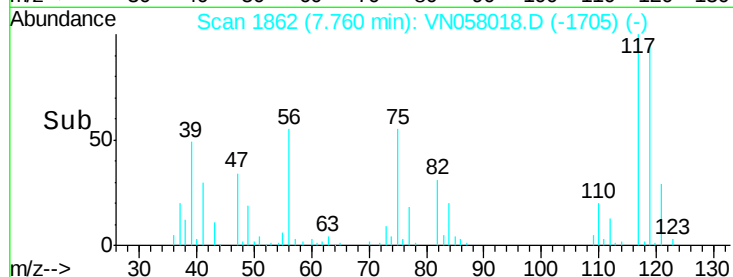
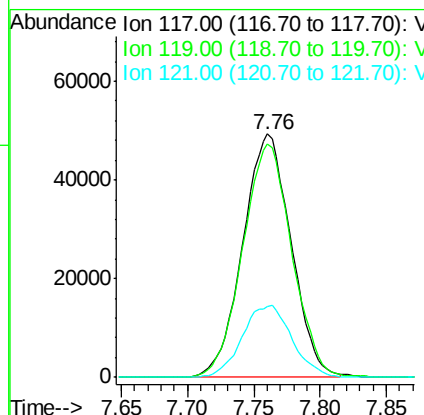
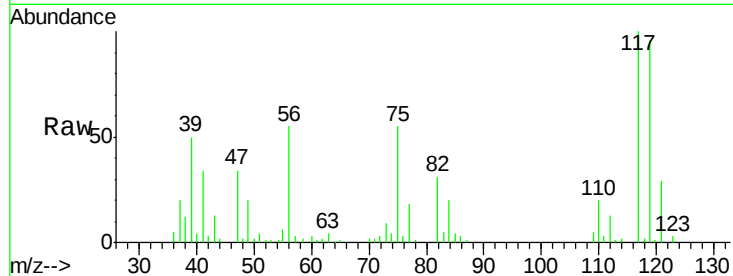
#33
Carbon Tetrachloride
Concen: 19.057 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.7	113.5
121	29.3	21.7	32.5

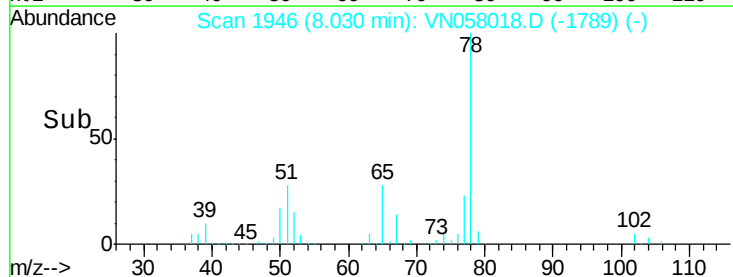
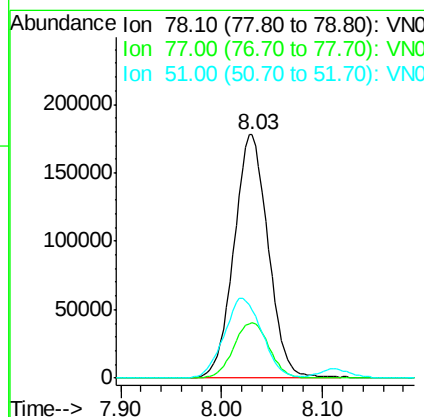
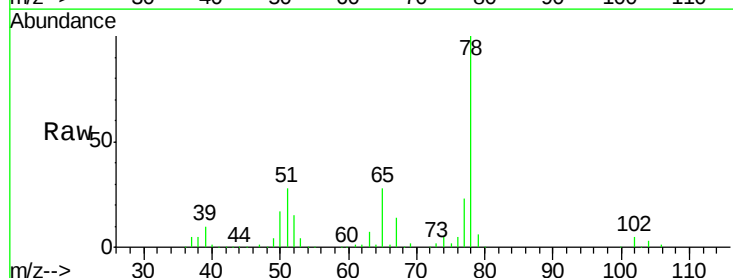
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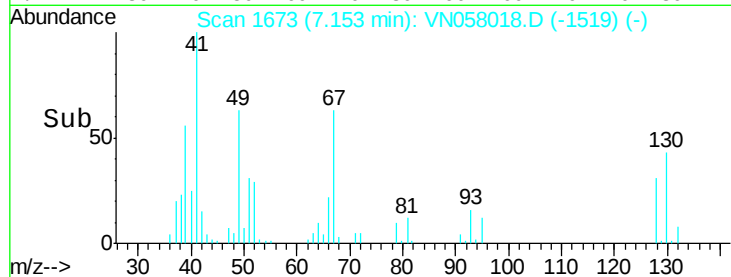
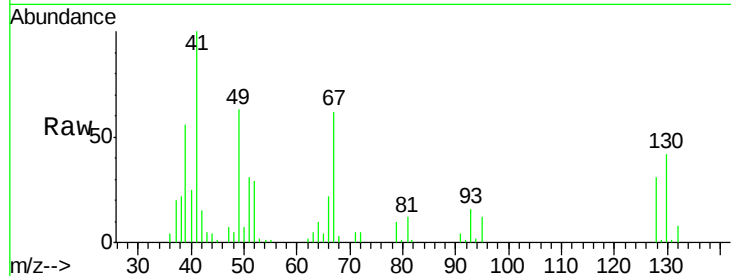
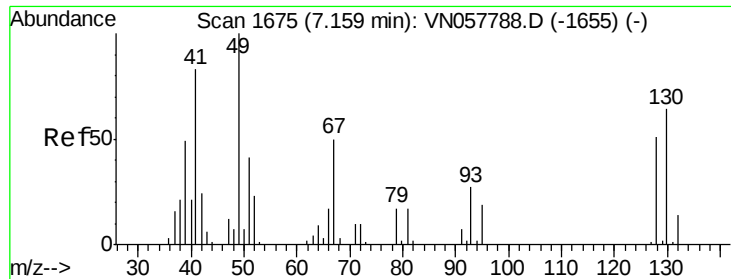
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#34
Benzene
Concen: 19.915 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

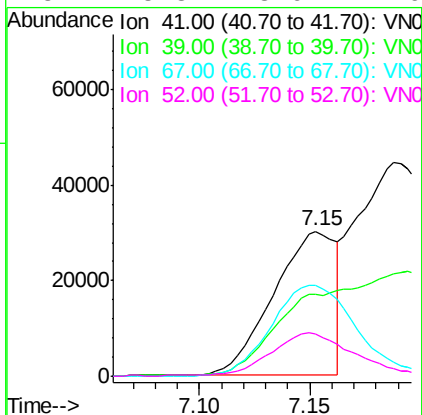
Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.2	28.8
51	27.8	24.9	37.3





#35
Methacrylonitrile
Concen: 19.761 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

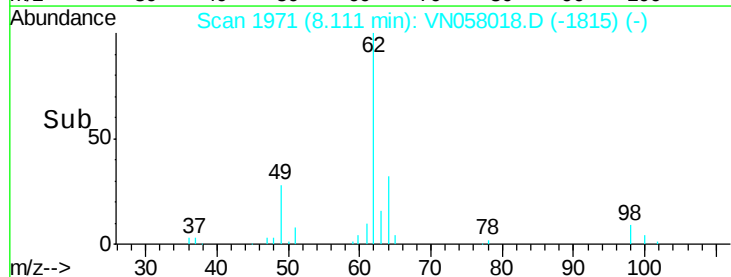
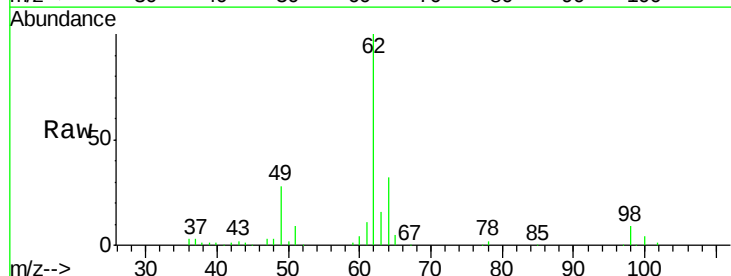
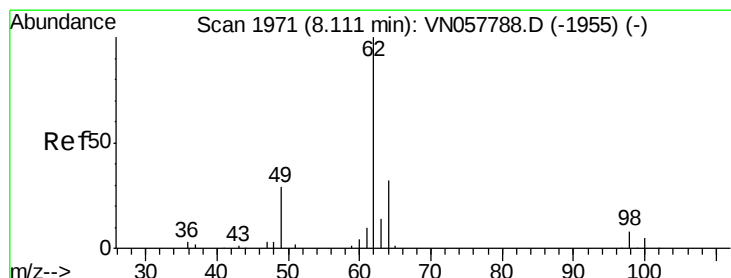
Tot Ion	41.00	Resp	58817
Ion	Ratio	Lower	Upper
41	100		
39	56.4	29.8	89.5
67	63.3	30.0	90.1
52	28.8	13.9	41.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

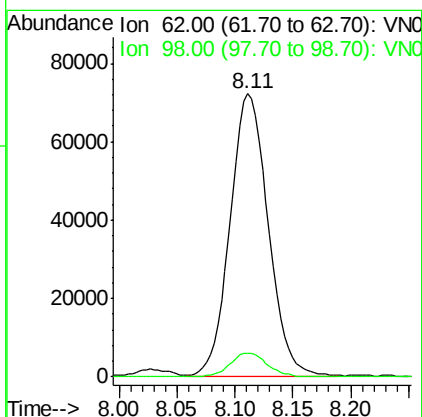
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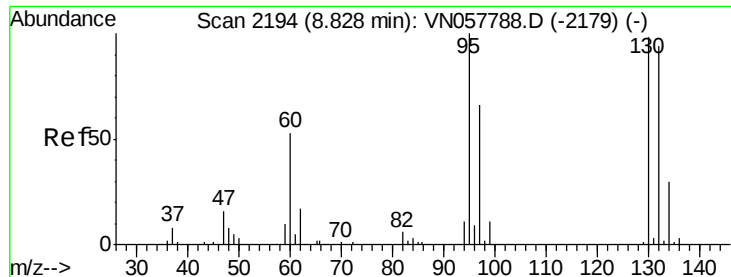
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#36
1,2-Dichloroethane
Concen: 20.283 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Tgt Ion	62.00	Resp	165980
Ion	Ratio	Lower	Upper
62	100		
98	8.2	6.6	9.8





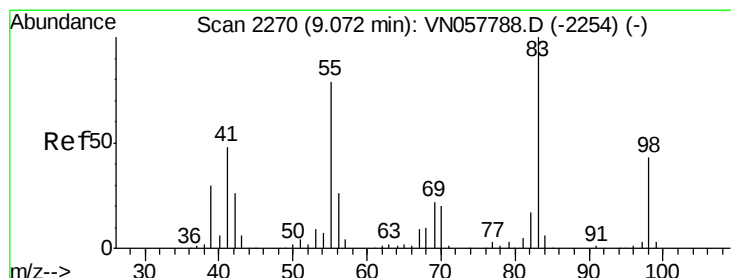
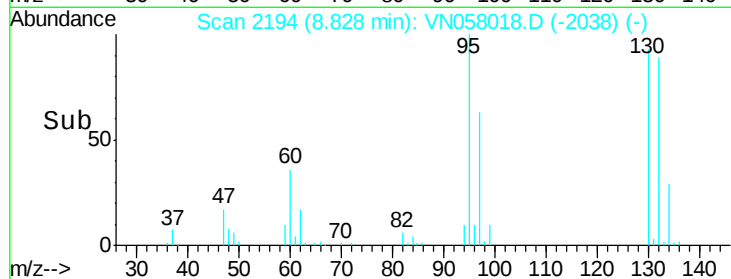
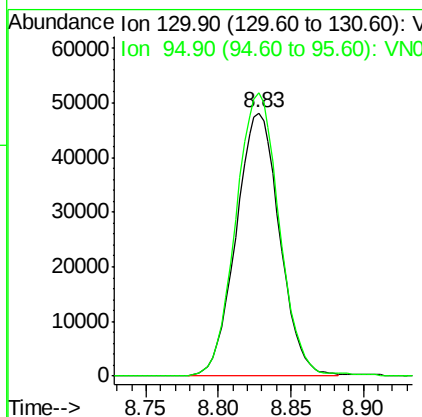
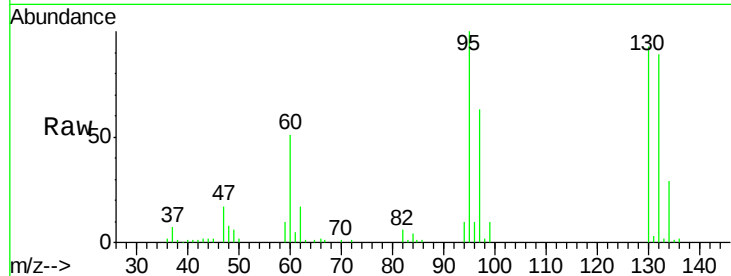
#37
 Trichloroethene
 Concen: 19.641 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 100596
 Ion Ratio Lower Upper
 130 100
 95 107.6 81.9 122.9

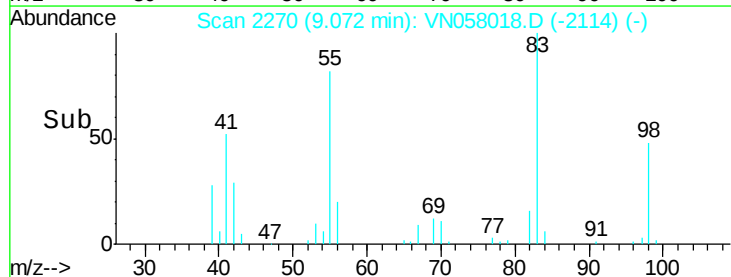
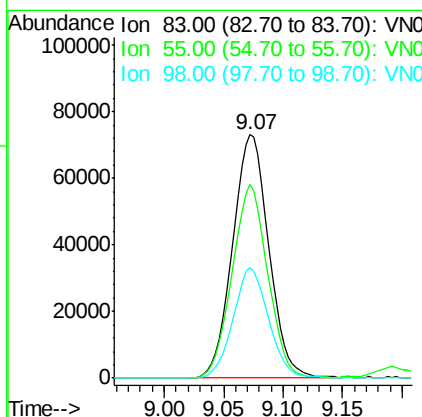
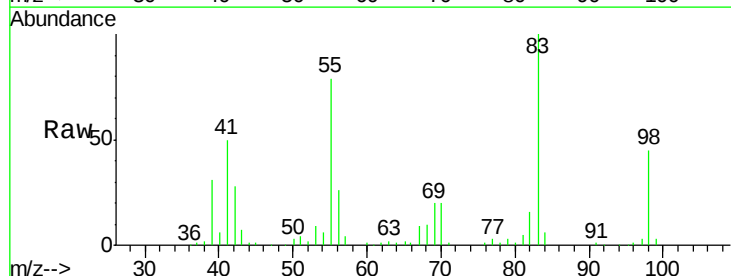
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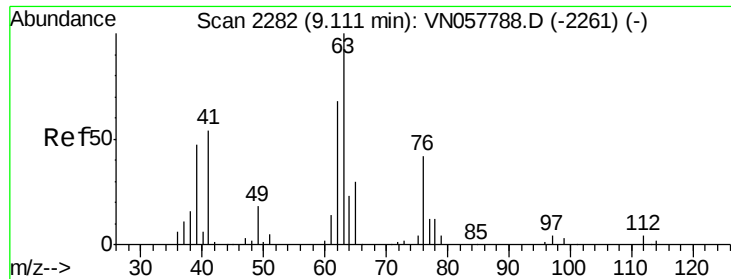
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#38
 Methylcyclohexane
 Concen: 19.028 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Tgt Ion: 83 Resp: 154202
 Ion Ratio Lower Upper
 83 100
 55 78.0 39.6 118.7
 98 44.4 21.8 65.4





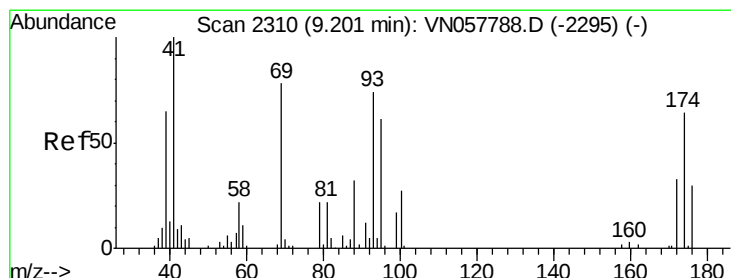
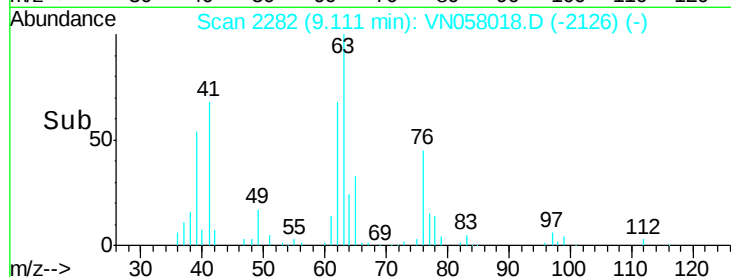
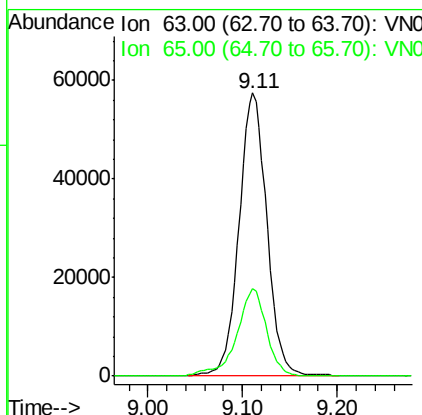
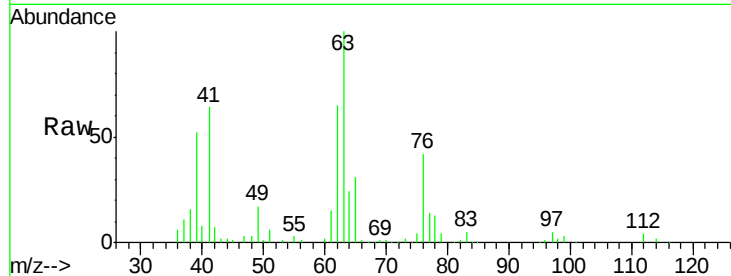
#39
 1,2-Dichloropropane
 Concen: 19.838 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 117482
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.6 35.4

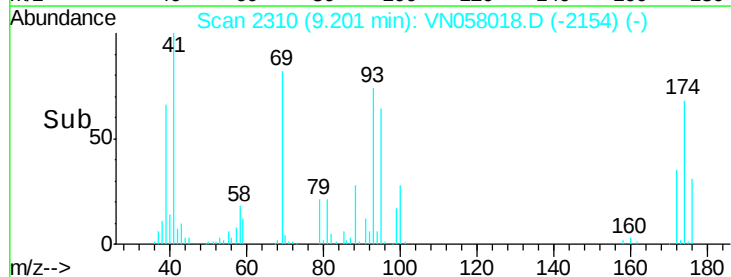
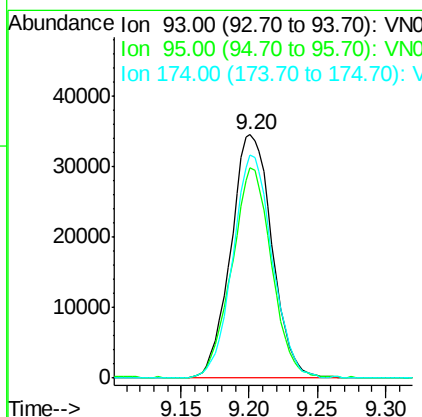
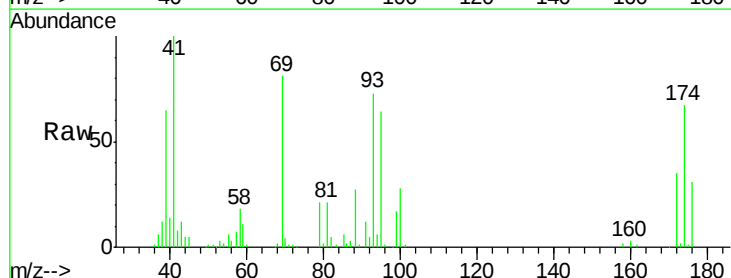
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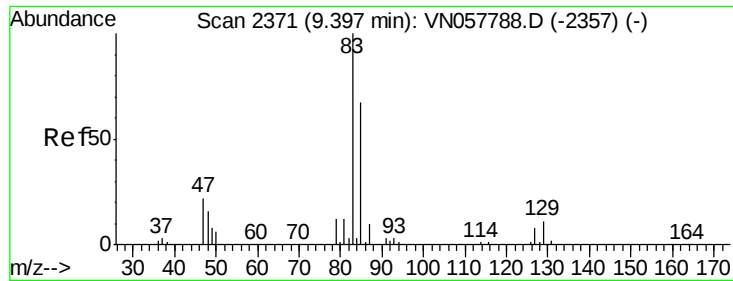
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#40
 Dibromomethane
 Concen: 20.142 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Tgt Ion: 93 Resp: 72552
 Ion Ratio Lower Upper
 93 100
 95 83.1 0.0 163.0
 174 87.8 0.0 171.4





#41

Bromodichloromethane

Concen: 18.882 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_N

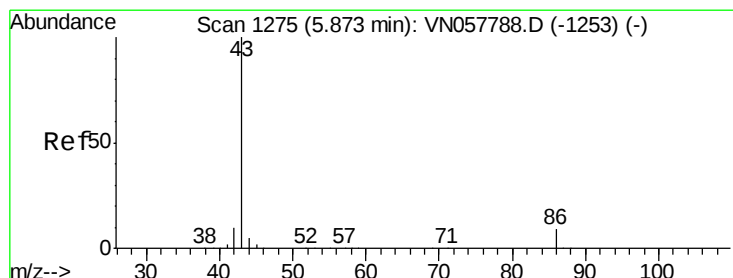
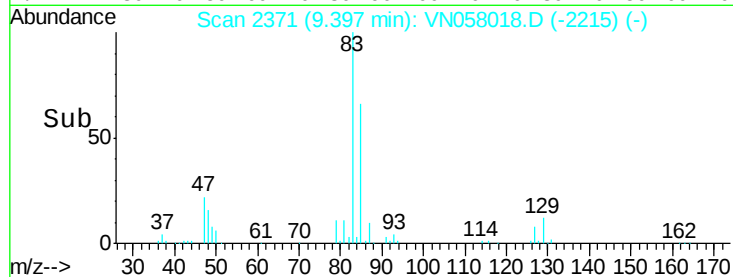
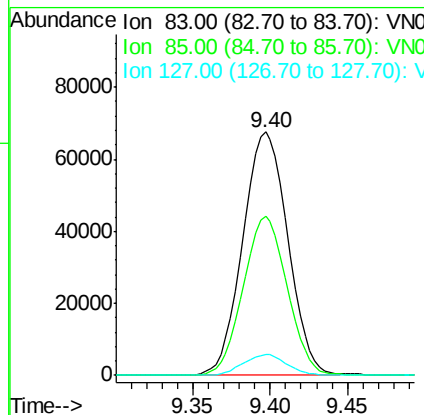
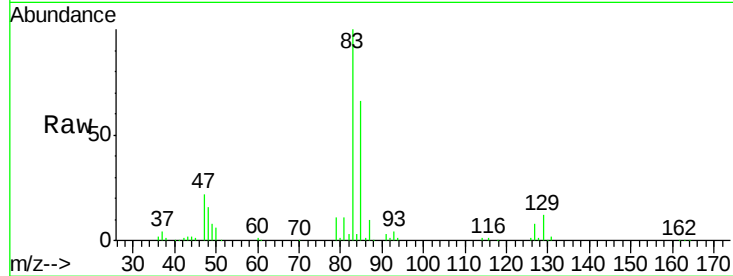
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	137114
Ion Ratio	Lower	Upper	
83	100		
85	65.5	53.4	80.0
127	8.5	6.6	10.0

Manual Integrations
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#42

Vinyl Acetate

Concen: 103.931 ug/l

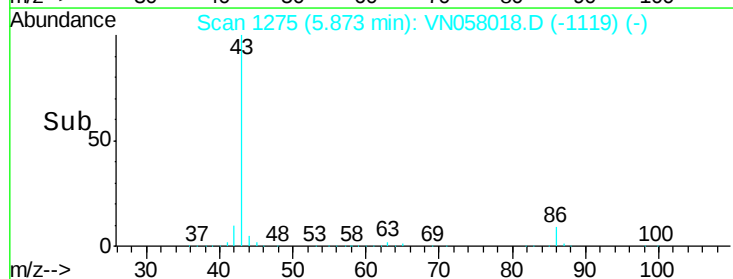
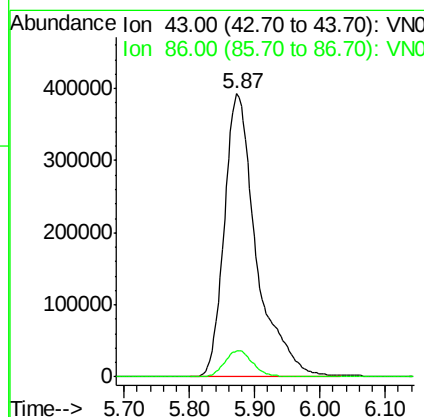
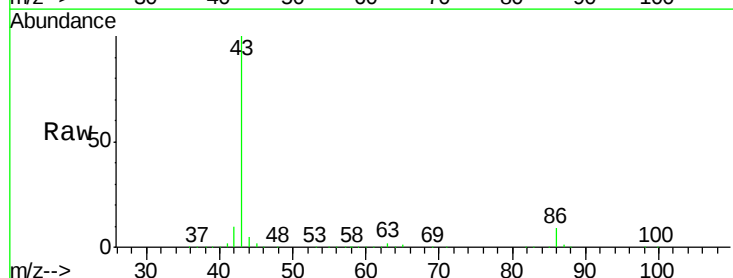
RT: 5.87 min Scan# 1275

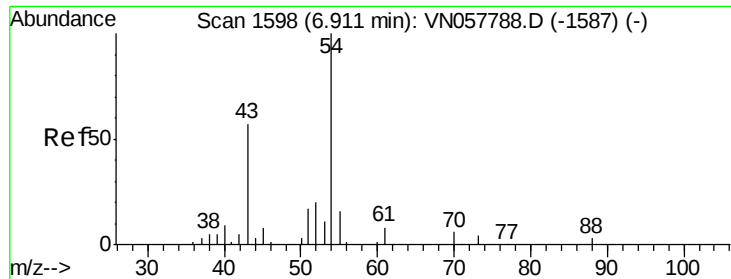
Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Tgt Ion:	43	Resp:	1340415
Ion Ratio	Lower	Upper	
43	100		
86	8.2	6.3	9.5





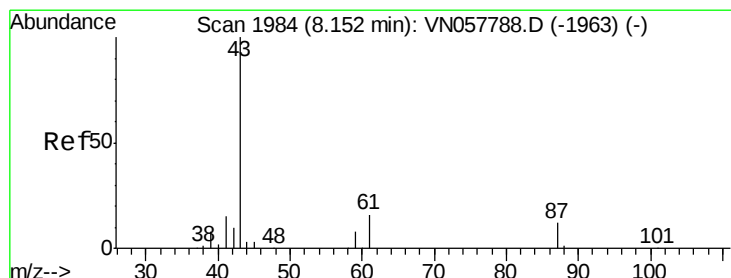
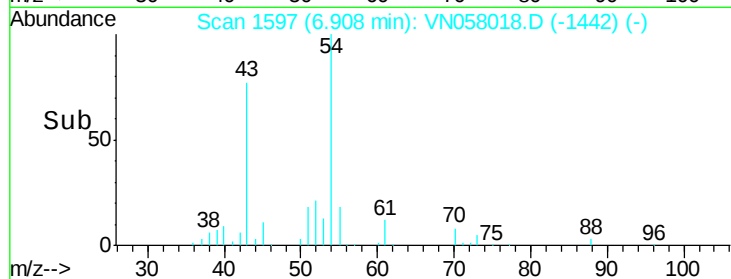
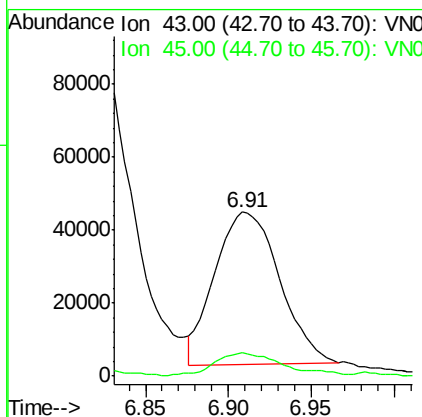
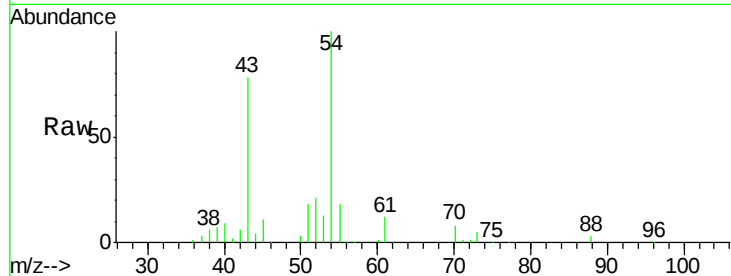
#43
Ethyl Acetate
Concen: 17.292 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 113215
Ion Ratio Lower Upper
43 100
45 14.0 5.4 8.0#

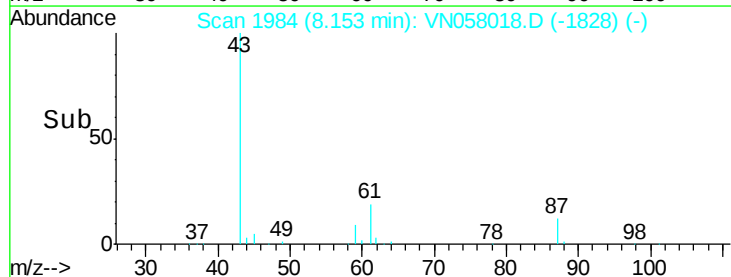
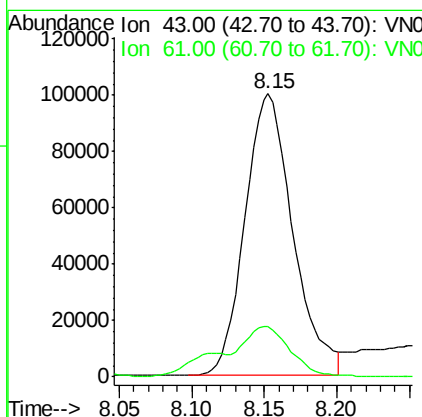
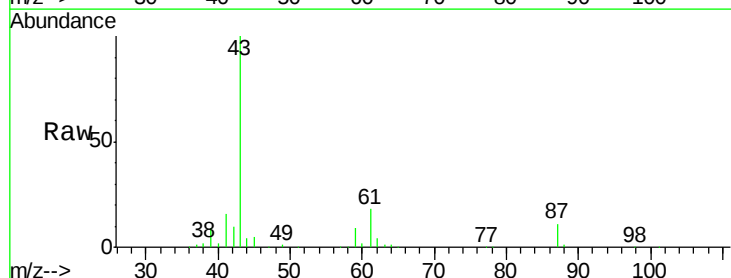
Manual Integrations
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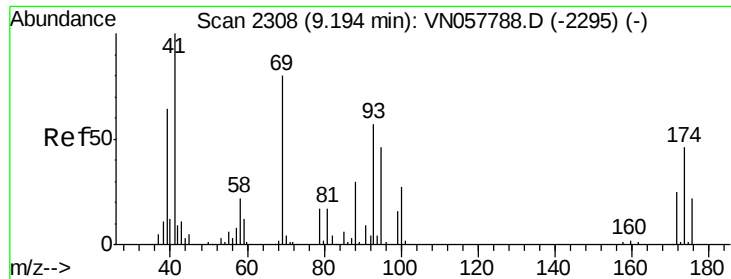
MMDadoda
9/16/2019 2:50:06 PM



#44
Isopropyl Acetate
Concen: 20.224 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Tgt Ion: 43 Resp: 230858
Ion Ratio Lower Upper
43 100
61 17.0 0.1 0.1#





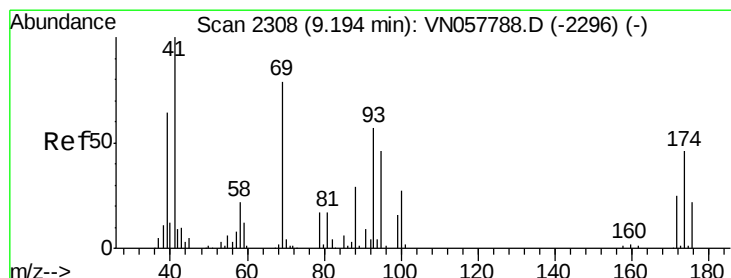
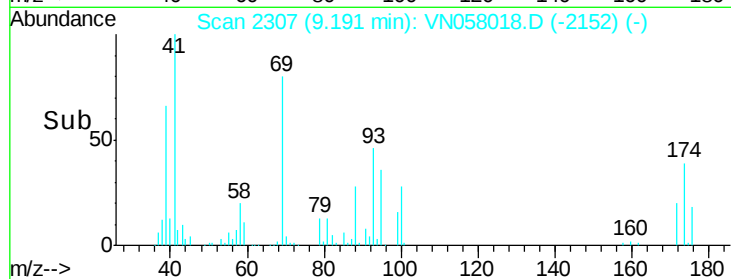
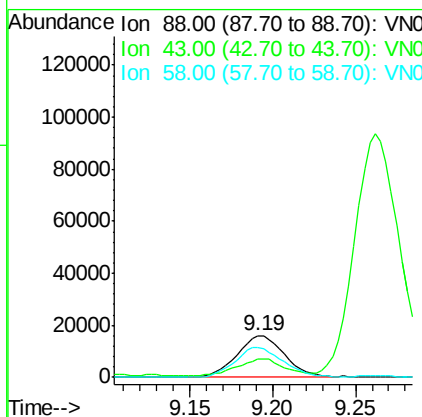
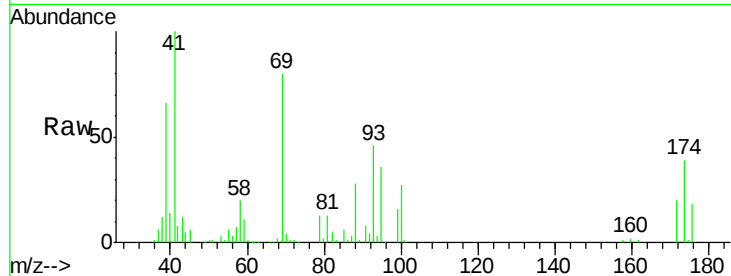
#45
 1,4-Dioxane
 Concen: 357.928 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	39.2	28.2	42.4	
58	72.6	58.5	87.7	

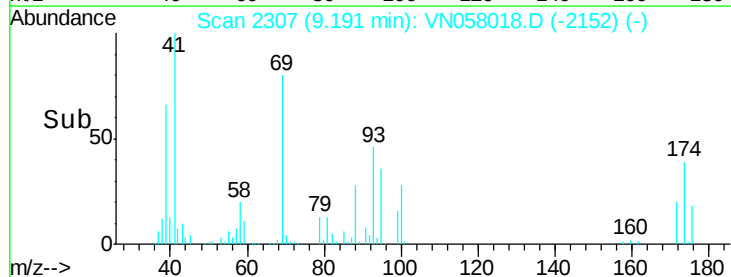
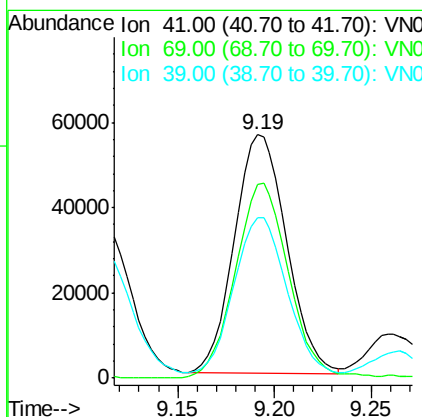
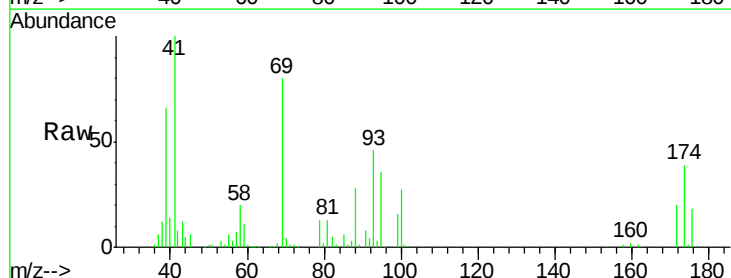
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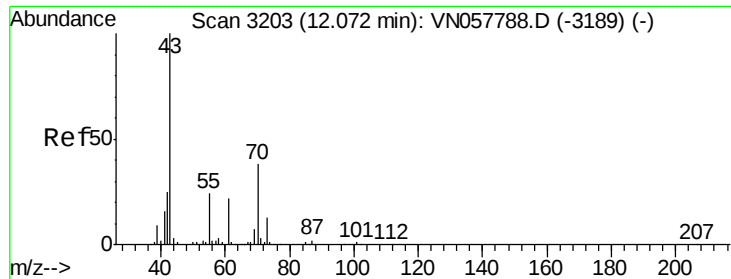
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#46
 Methyl methacrylate
 Concen: 18.885 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	80.8	39.6	119.0	
39	65.4	31.9	95.7	





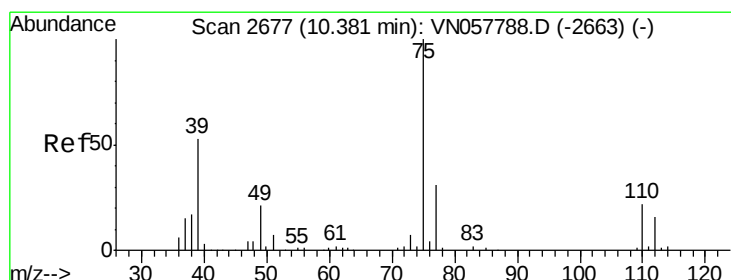
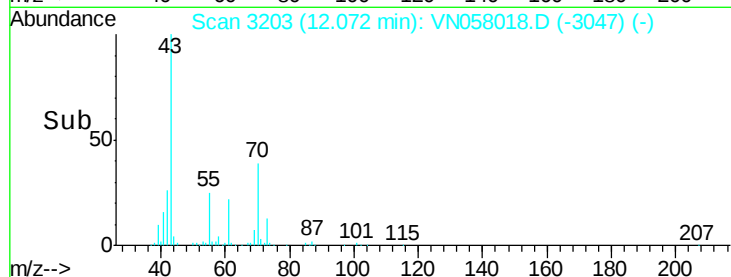
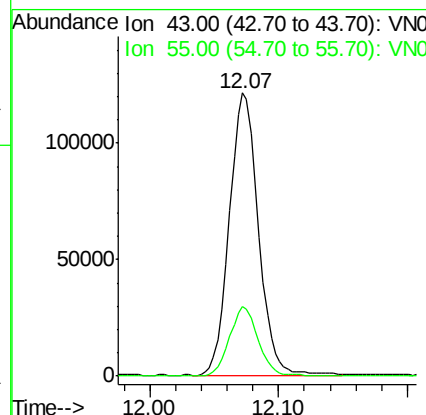
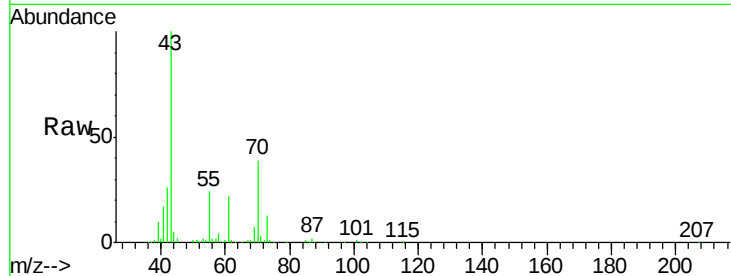
#47
n-amyl Acetate
Concen: 18.077 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 189555
Ion Ratio Lower Upper
43 100
55 24.0 18.3 27.5

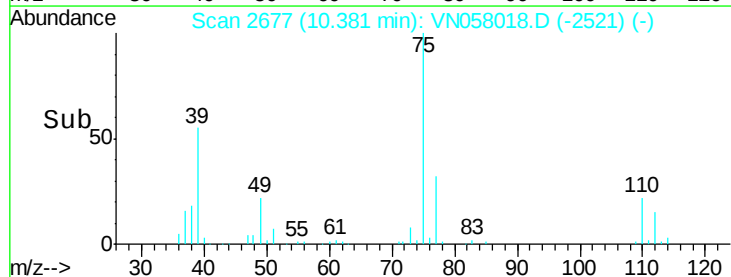
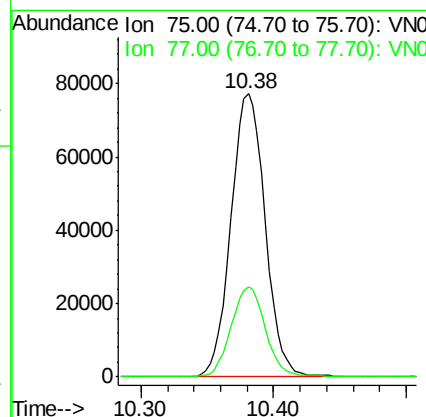
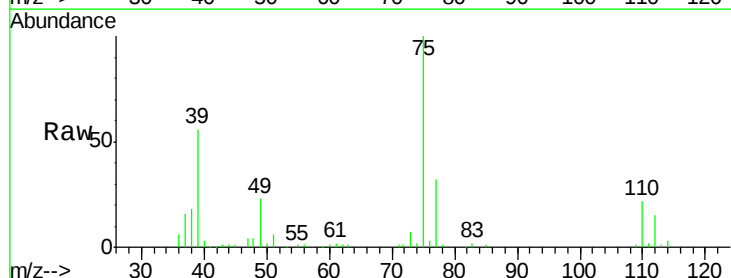
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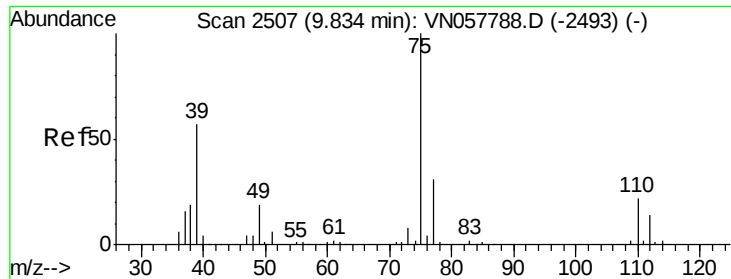
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 17.874 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Tgt Ion: 75 Resp: 138185
Ion Ratio Lower Upper
75 100
77 32.0 24.9 37.3





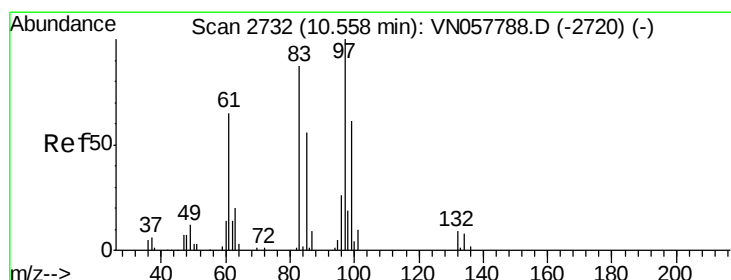
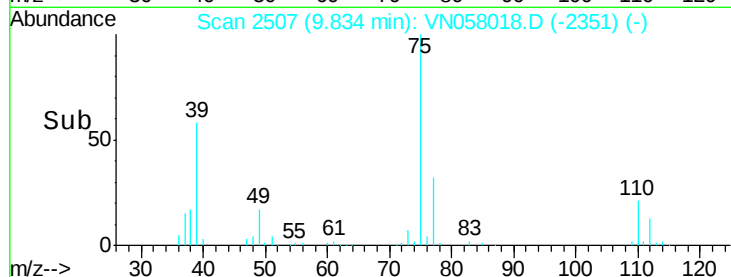
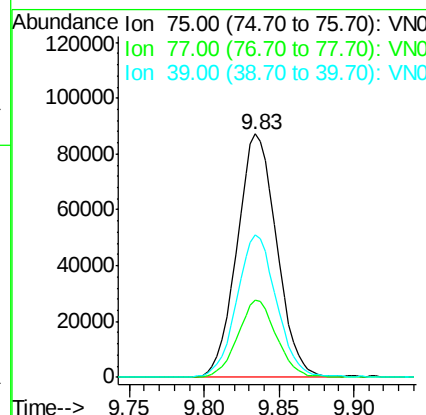
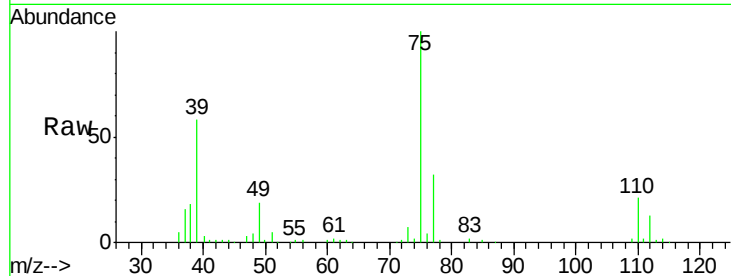
#49
 cis-1,3-Dichloropropene
 Concen: 18.559 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	75	Resp:	160978
Ion Ratio	Lower	Upper	
75	100		
77	31.9	24.6	36.8
39	58.0	45.8	68.8

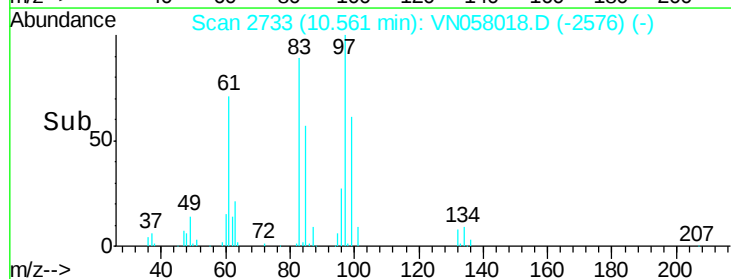
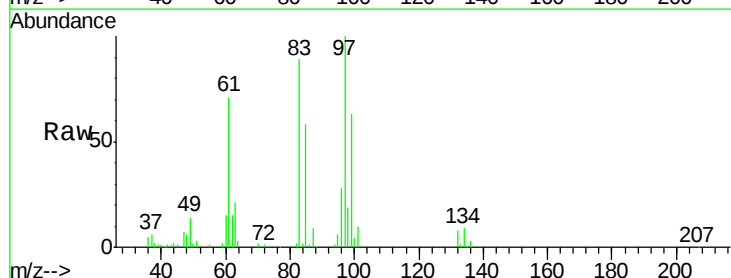
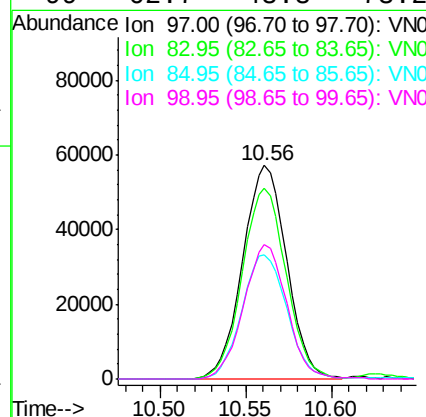
Manual Integrations
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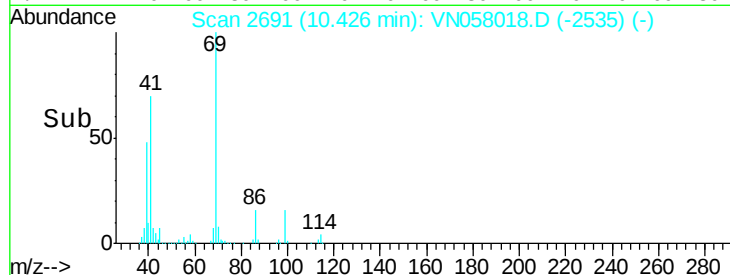
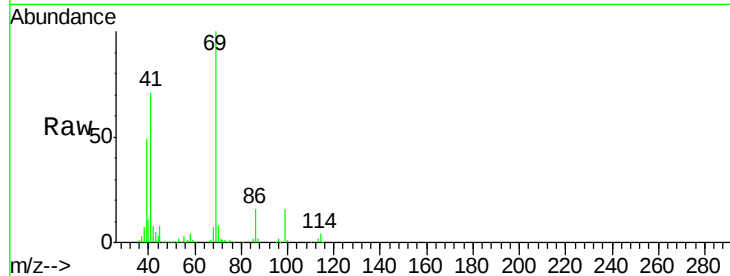
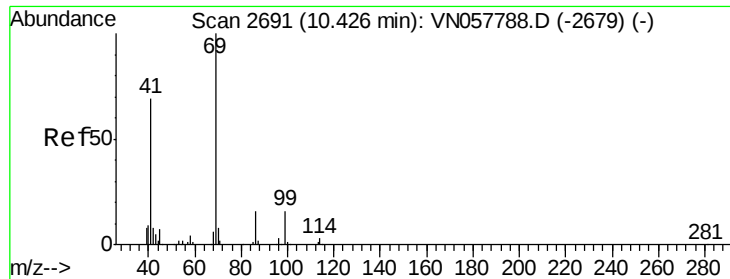
MMDadoda
 9/16/2019 2:50:06 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.548 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Tgt Ion:	97	Resp:	102131
Ion Ratio	Lower	Upper	
97	100		
83	89.1	69.4	104.2
85	58.2	45.0	67.6
99	62.7	48.8	73.2





#51

Ethyl methacrylate

Concen: 18.574 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Tot Ion:	69	Resp:	150469
Ion	Ratio	Lower	Upper
69	100		
41	70.1	34.5	103.5
39	47.9	22.4	67.3

Instrument :

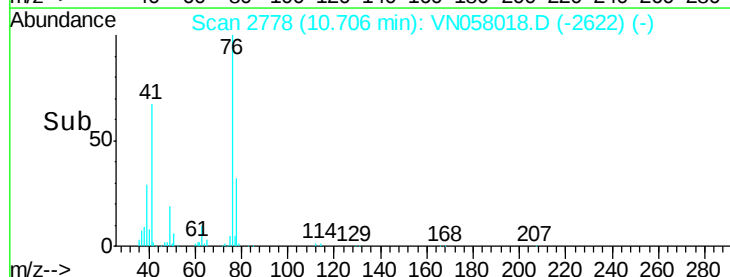
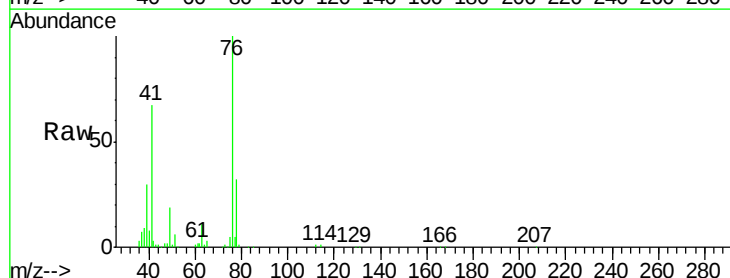
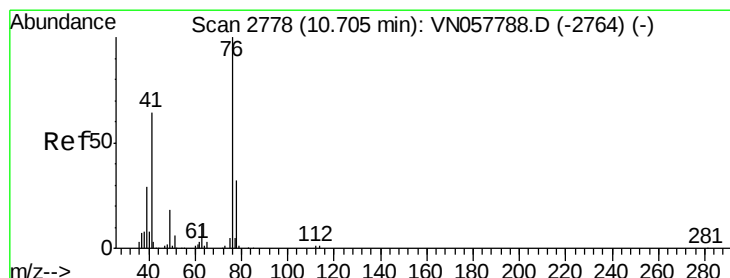
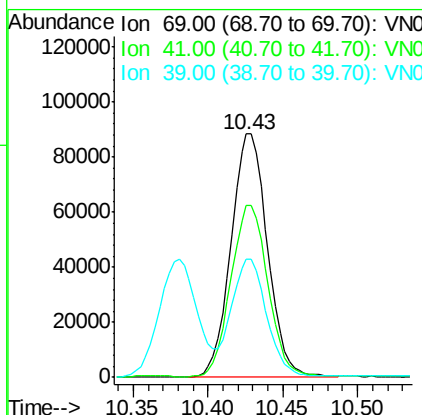
MSVOA_N

ClientSampleId :

VSTDCCC020EC

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.629 ug/l

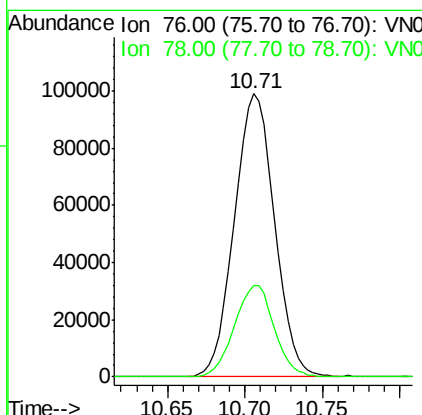
RT: 10.71 min Scan# 2778

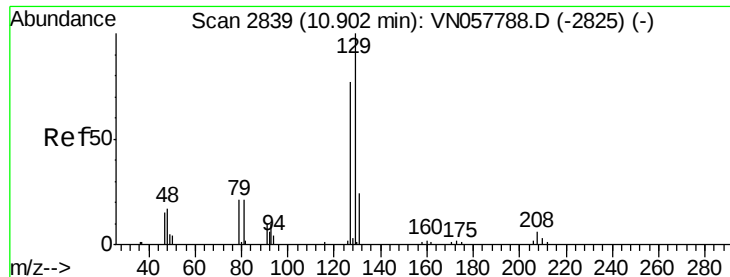
Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Tgt Ion:	76	Resp:	179351
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	63.8





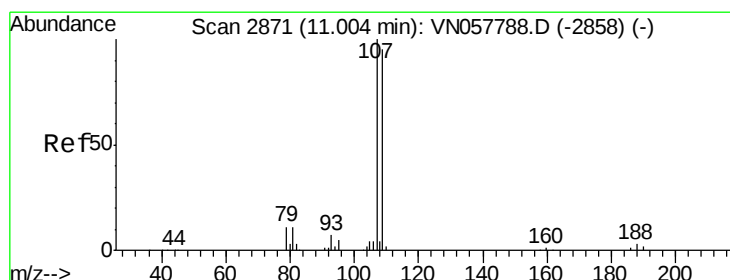
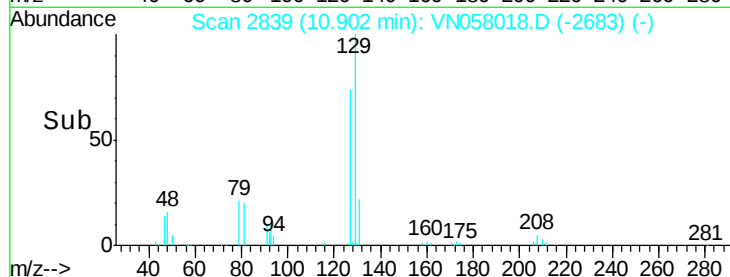
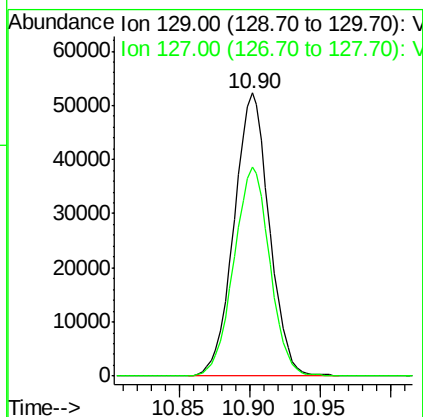
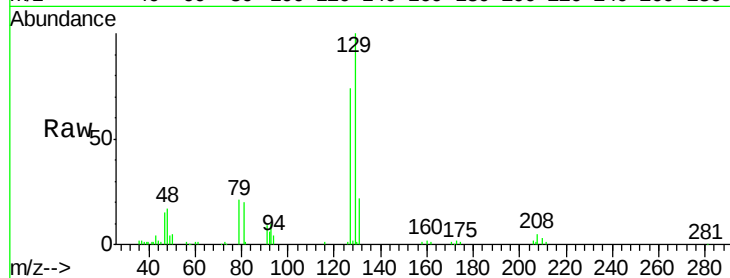
#53
 Dibromochloromethane
 Concen: 17.790 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:129 Resp: 91792
 Ion Ratio Lower Upper
 129 100
 127 74.8 38.8 116.3

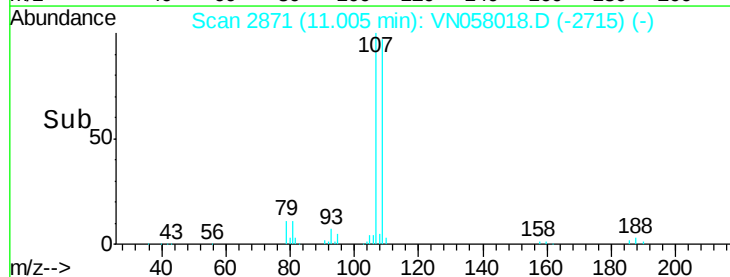
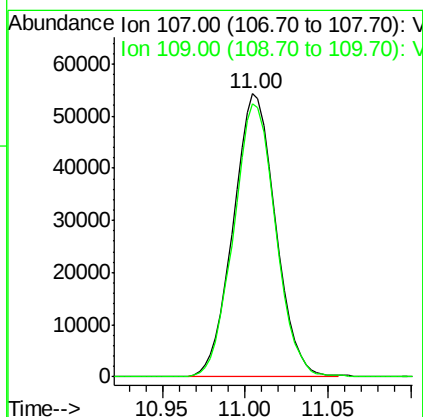
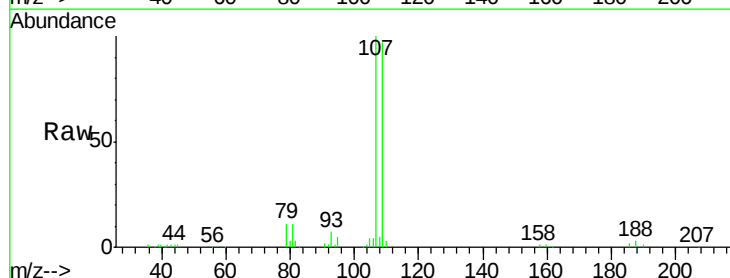
Manual Integrations
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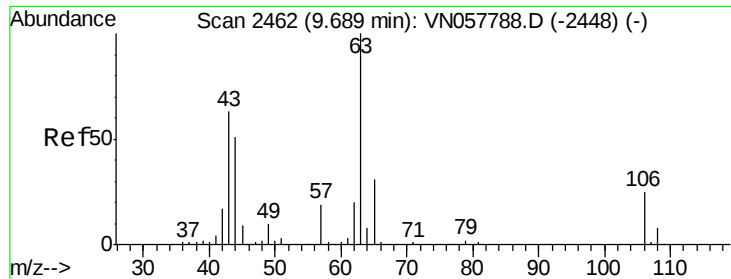
MMDadoda
 9/16/2019 2:50:06 PM



#54
 1,2-Dibromoethane
 Concen: 18.539 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Tgt Ion:107 Resp: 96372
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.4 113.0





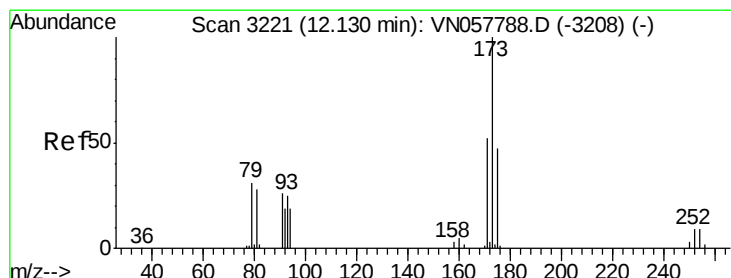
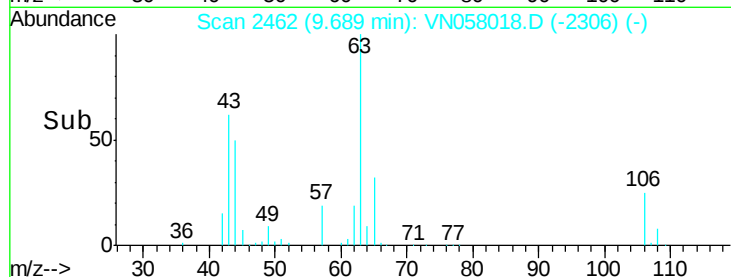
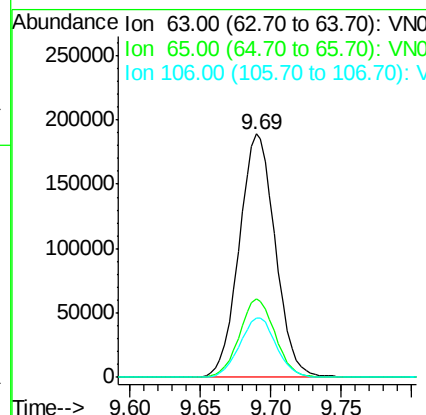
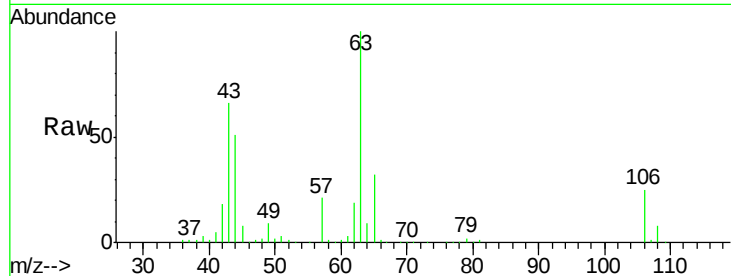
#55
2-Chloroethyl vinyl ether
Concen: 87.899 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.0	37.6
106	24.8	19.8	29.8

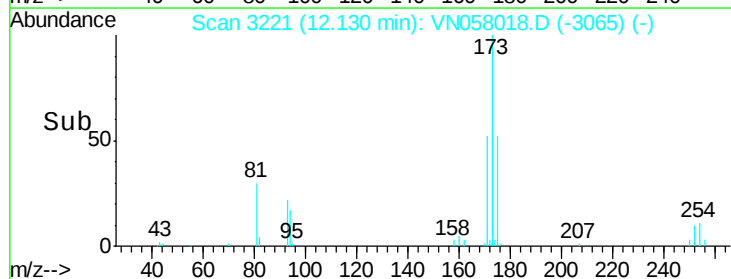
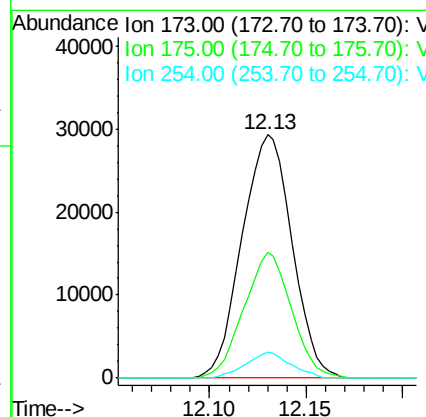
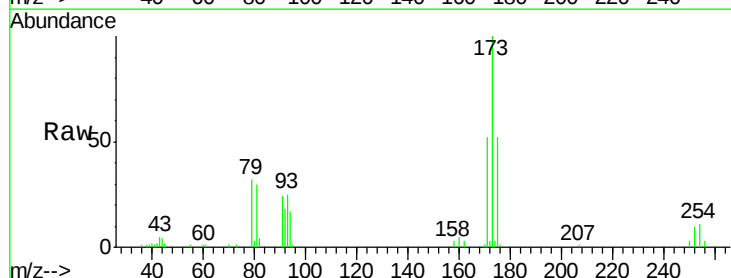
Manual Integrations
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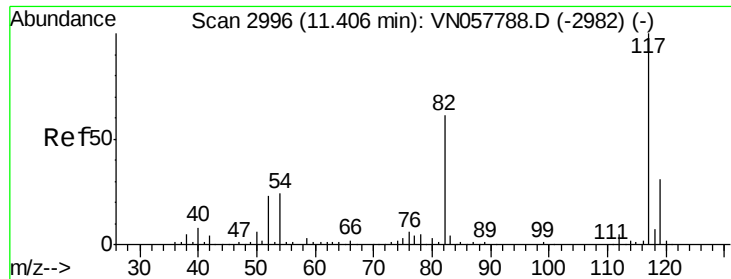
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#56
Bromoform
Concen: 16.477 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.4	57.6
254	9.5	6.9	10.3





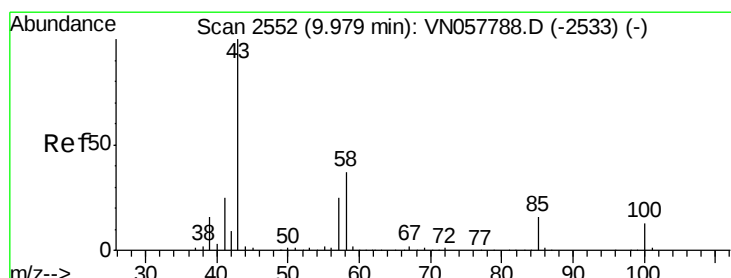
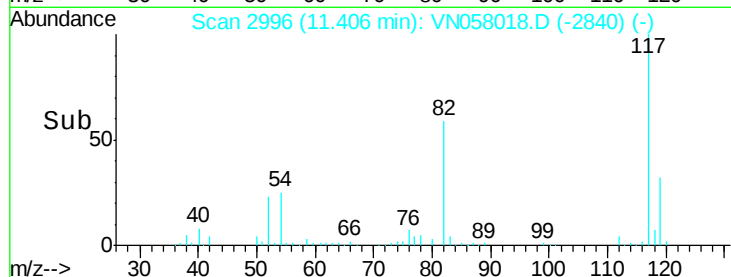
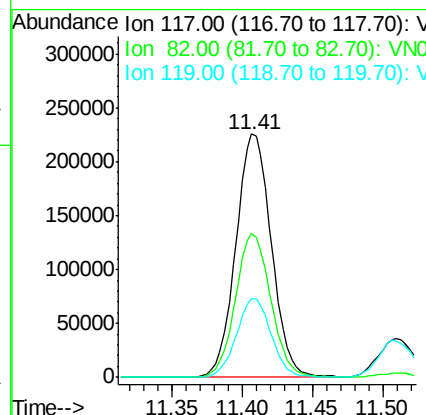
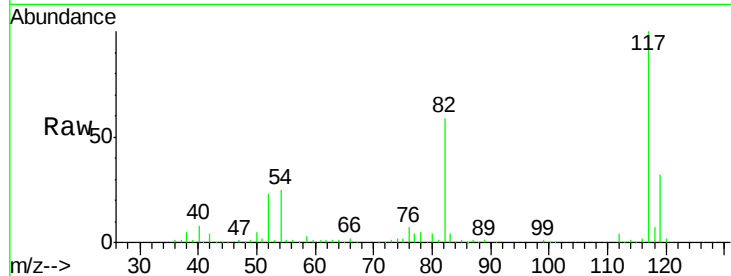
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.6	71.4
119	31.8	25.4	38.2

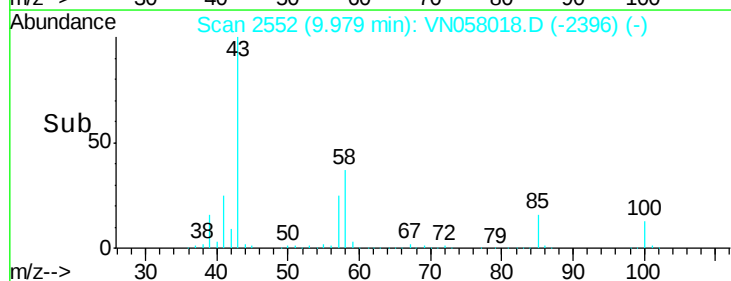
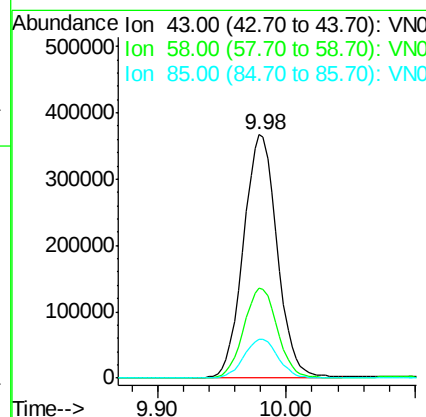
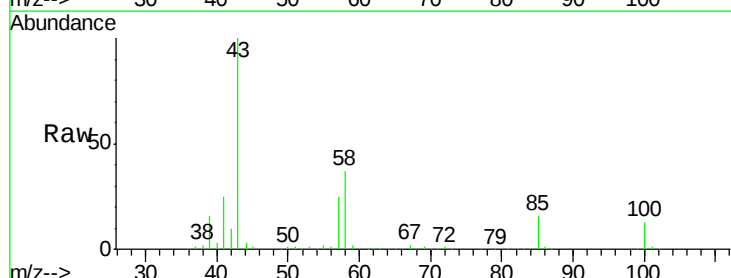
Manual Integrations
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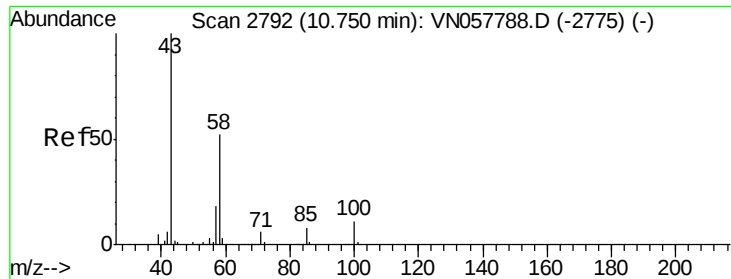
MMDadoda
9/16/2019 2:50:06 PM



#58
4-Methyl-2-Pentanone
Concen: 108.044 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.4	44.0
85	16.3	12.9	19.3





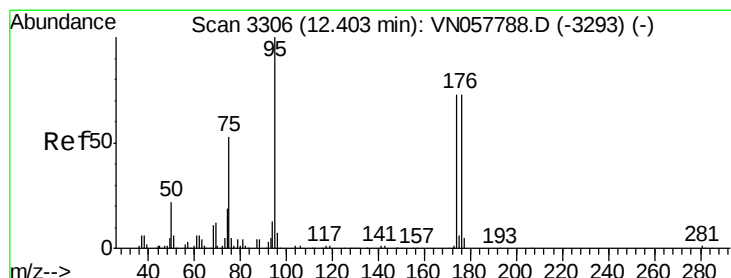
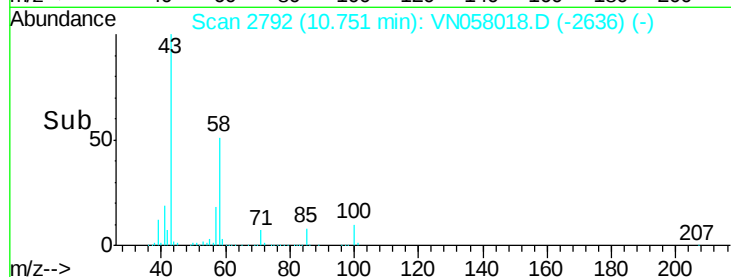
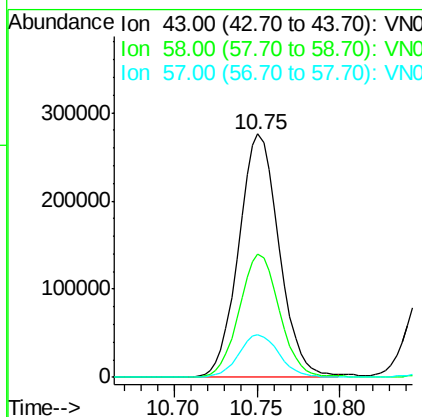
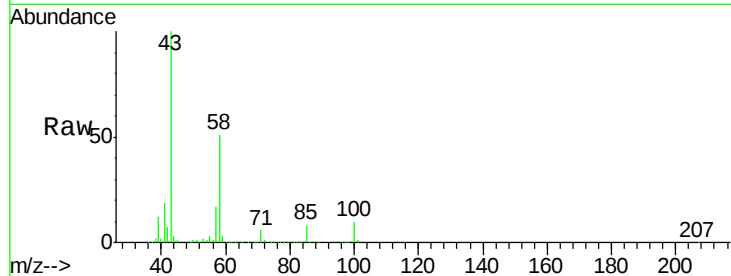
#59
2-Hexanone
Concen: 99.931 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	Resp	462572
Ion Ratio	Lower	Upper	
43	100		
58	51.3	40.6	61.0
57	17.9	14.5	21.7

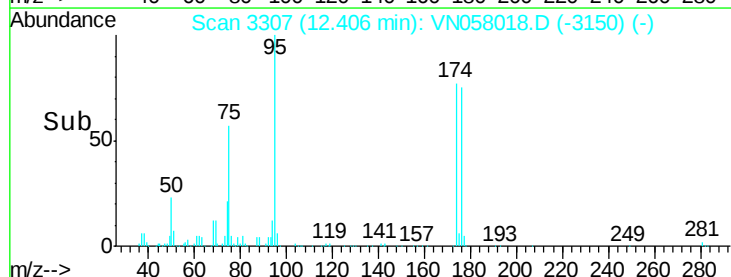
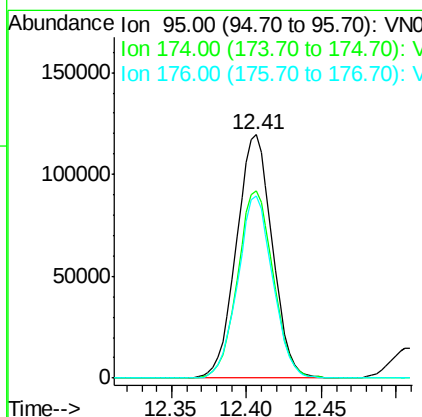
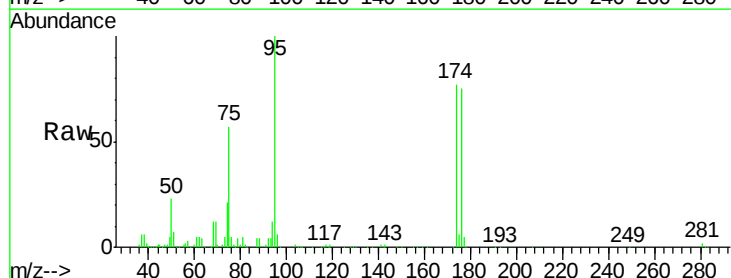
Manual Integrations
APPROVED

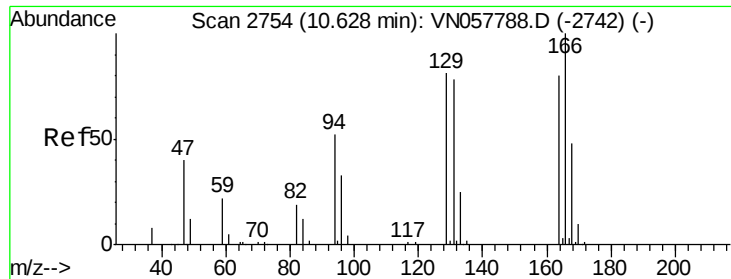
MMDadoda
9/16/2019 2:50:06 PM



#60
4-Bromofluorobenzene
Concen: 29.304 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Tgt Ion	95	Resp	199459
Ion Ratio	Lower	Upper	
95	100		
174	76.6	59.4	89.0
176	73.1	57.4	86.0





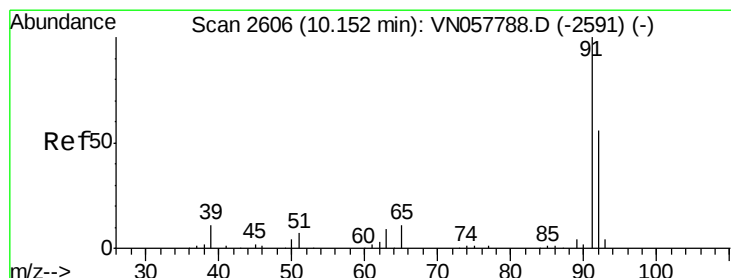
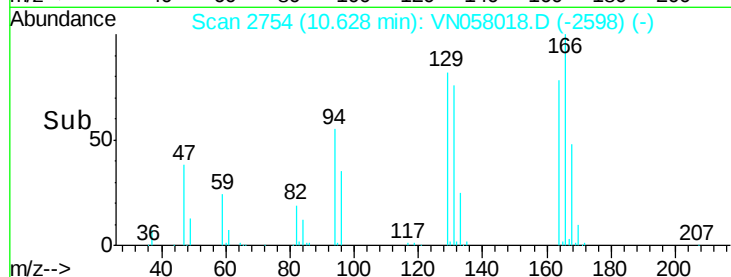
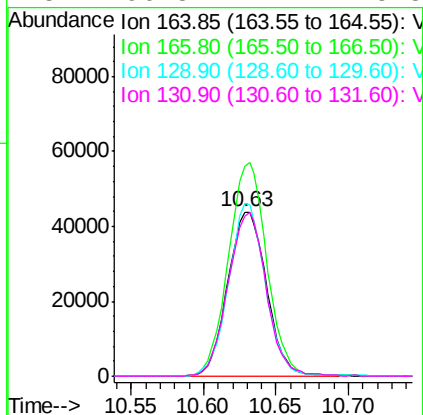
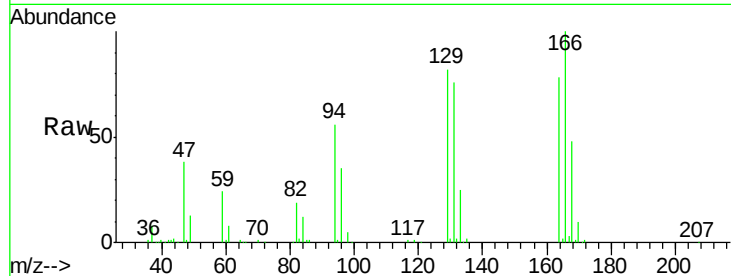
#61
Tetrachloroethene
Concen: 20.103 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.3	99.6	149.4	
129	105.4	80.9	121.3	
131	96.8	77.2	115.8	

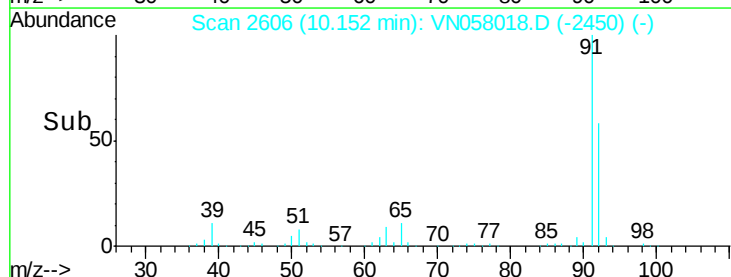
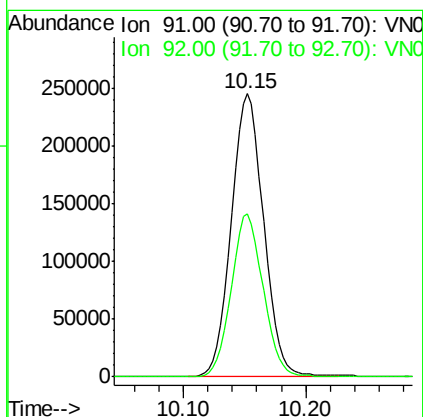
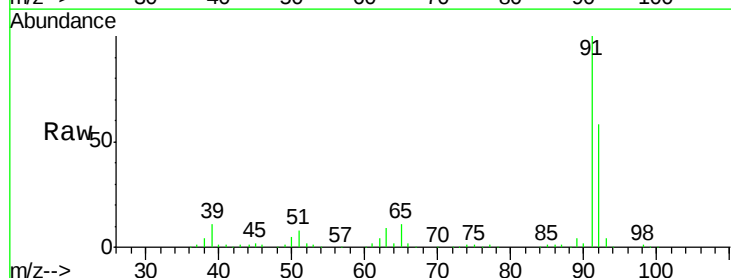
Manual Integrations
APPROVED

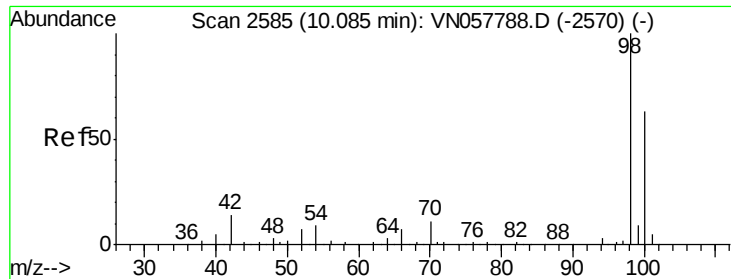
MMDadoda
9/16/2019 2:50:06 PM



#62
Toluene
Concen: 20.536 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
92	56.9	44.9	67.3	





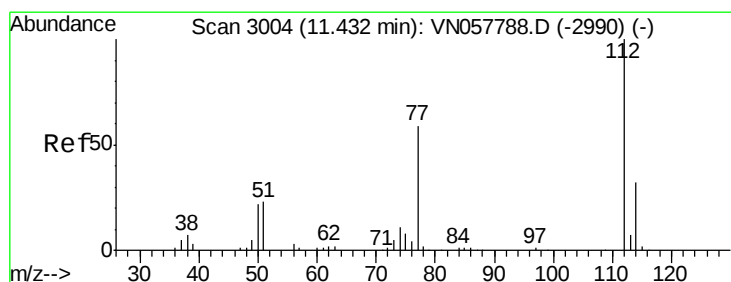
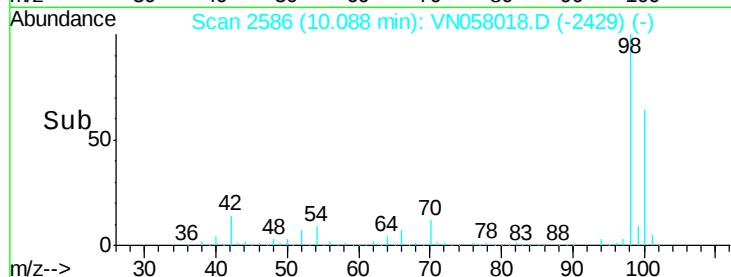
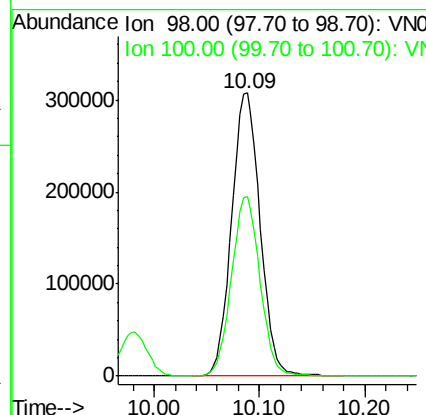
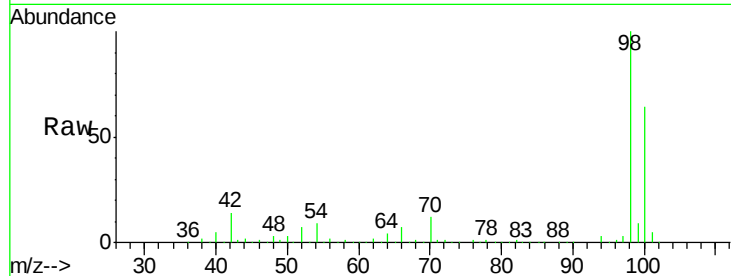
#63
Toluene-d8
Concen: 30.090 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 574479
Ion Ratio Lower Upper
98 100
100 63.6 50.3 75.5

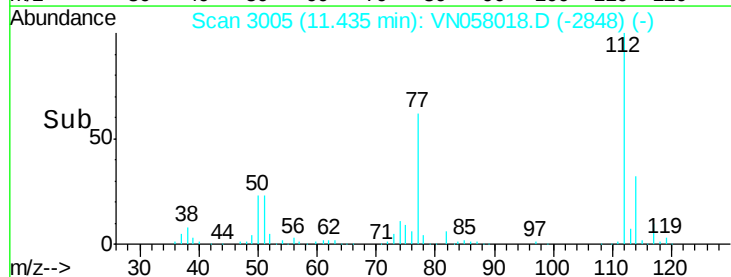
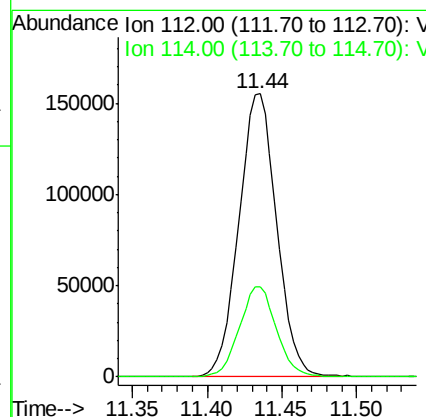
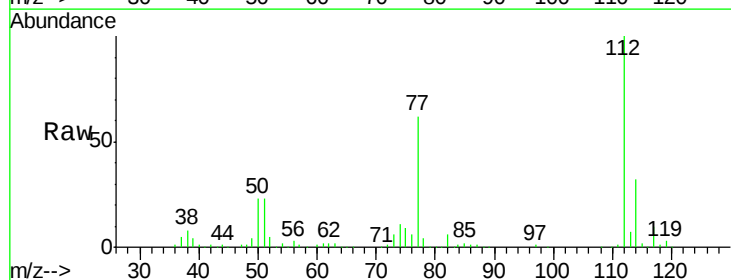
Manual Integrations
APPROVED

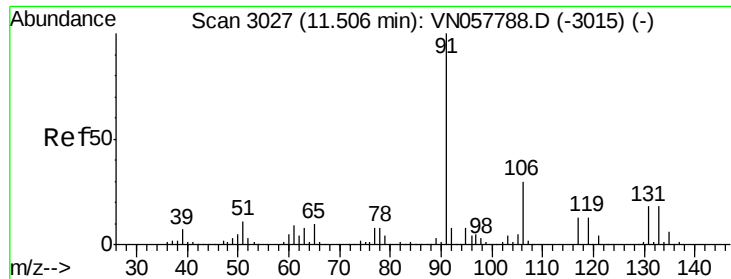
MMDadoda
9/16/2019 2:50:06 PM



#64
Chlorobenzene
Concen: 20.003 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Tgt Ion: 112 Resp: 273300
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 19.265 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_N

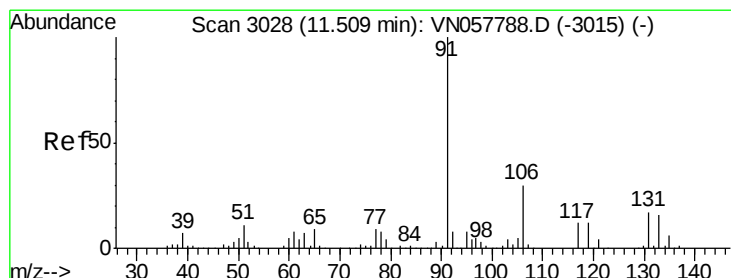
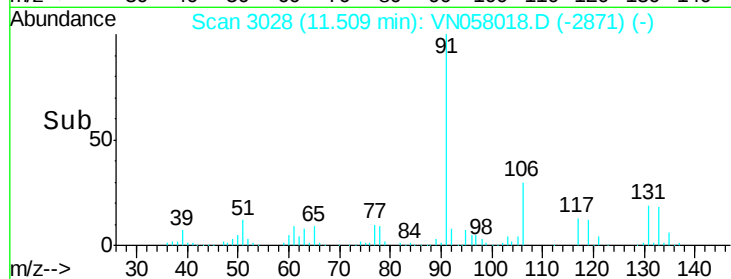
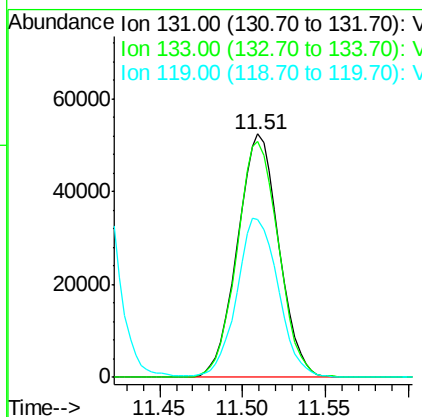
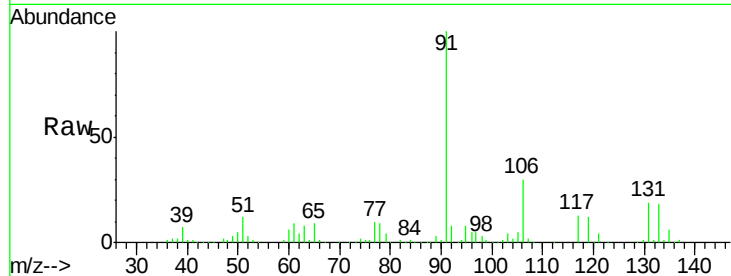
ClientSampled :

VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.1	0.0	189.2
119	65.6	0.0	136.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.595 ug/l

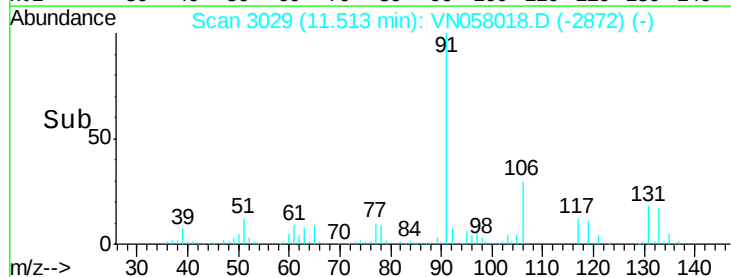
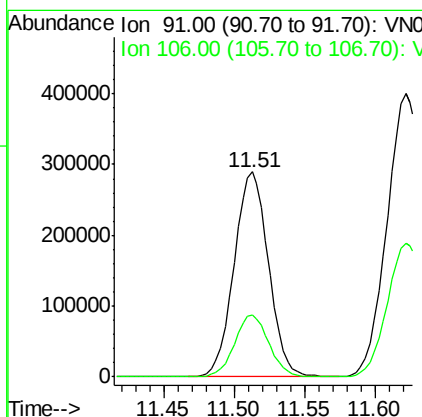
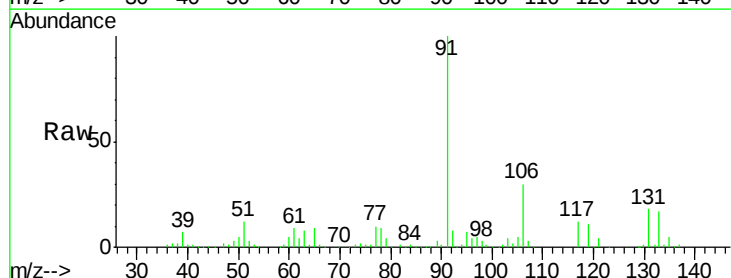
RT: 11.51 min Scan# 3029

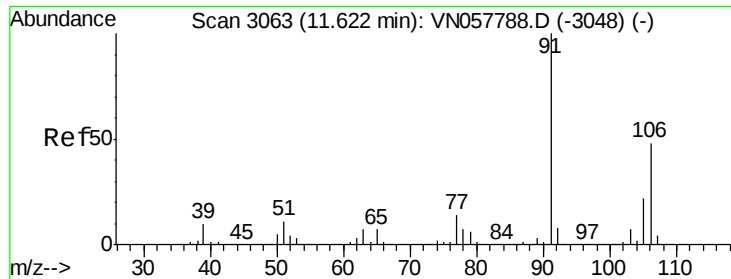
Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.0	36.0





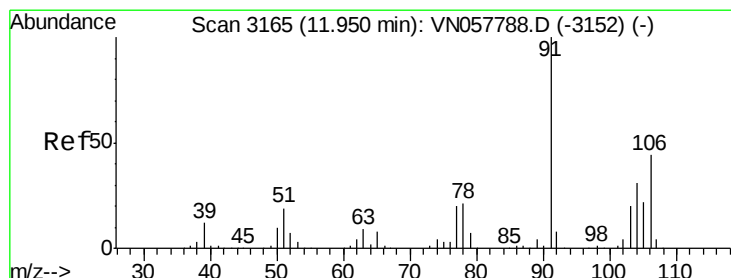
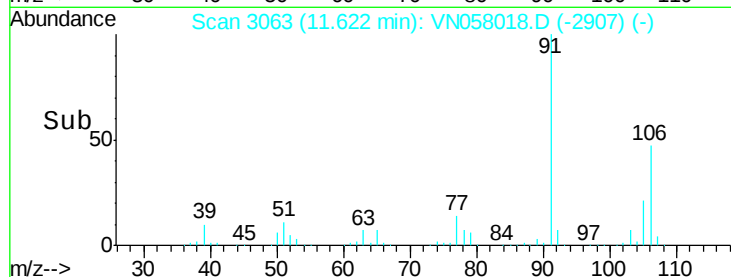
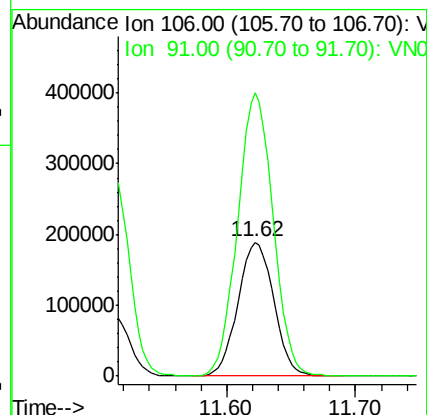
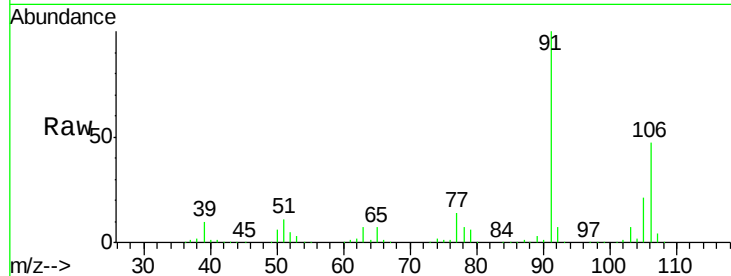
#67
m/p-Xylenes
Concen: 39.795 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 365095
Ion Ratio Lower Upper
106 100
91 209.3 166.1 249.1

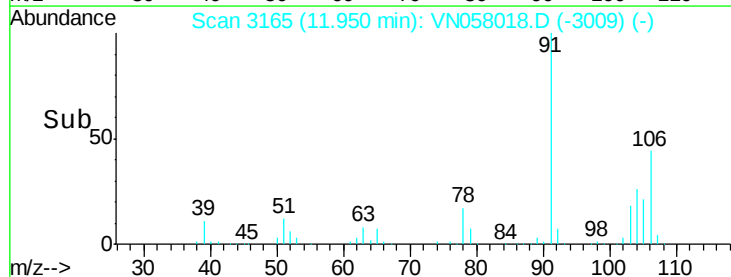
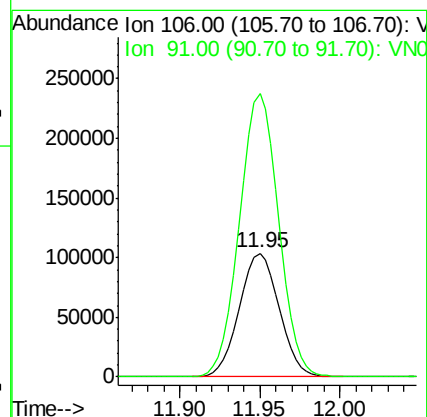
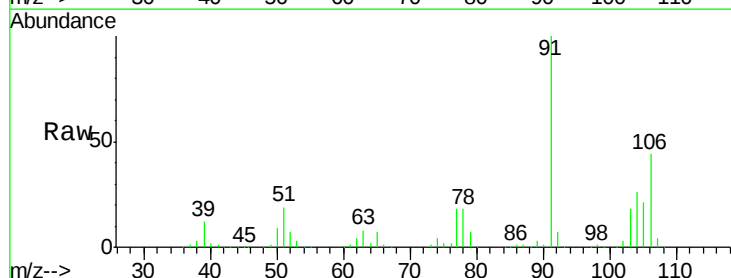
Manual Integrations
APPROVED

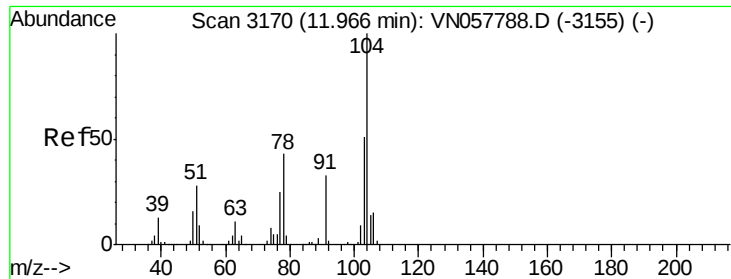
MMDadoda
9/16/2019 2:50:06 PM



#68
o-Xylene
Concen: 19.625 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Tgt Ion:106 Resp: 176388
Ion Ratio Lower Upper
106 100
91 224.3 111.5 334.4





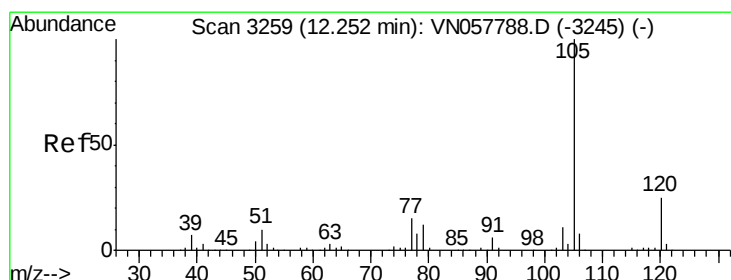
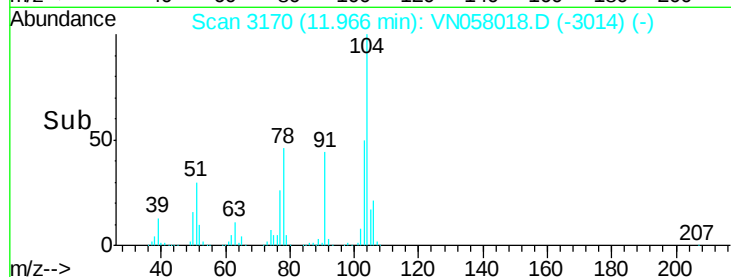
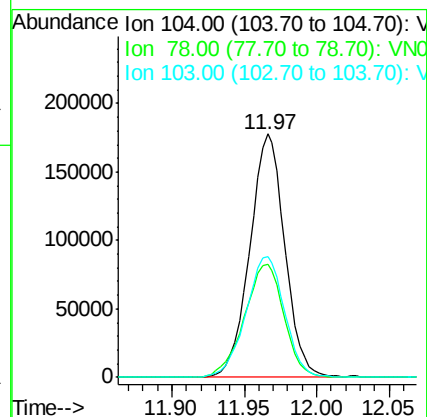
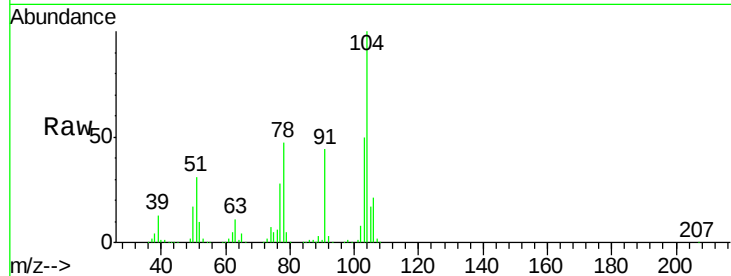
#69
Stvrene
Concen: 19.501 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
104	100	298839		
78	52.4		41.5	62.3
103	54.9		44.8	67.2

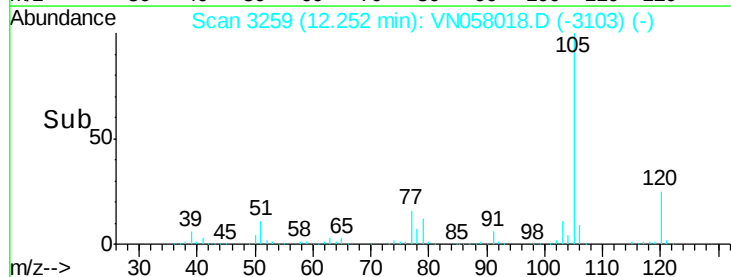
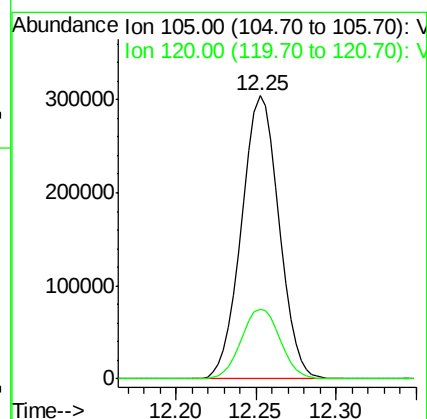
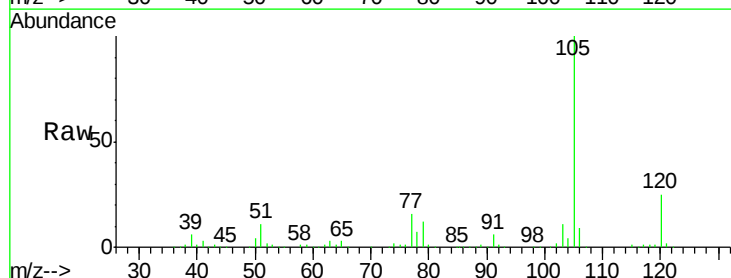
Manual Integrations
APPROVED

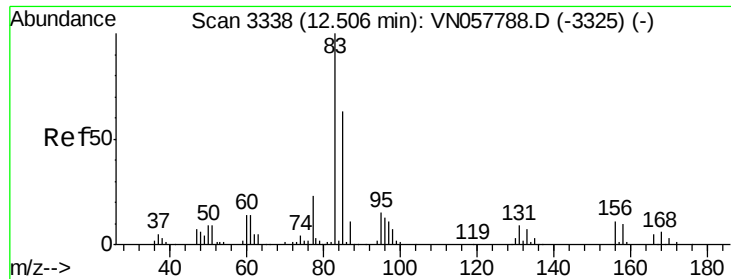
MMDadoda
9/16/2019 2:50:06 PM



#70
Isopropylbenzene
Concen: 20.455 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	486053		
120	25.6		17.6	32.6





#71

1,1,2,2-Tetrachloroethane

Concen: 19.658 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 145988

Ion Ratio Lower Upper

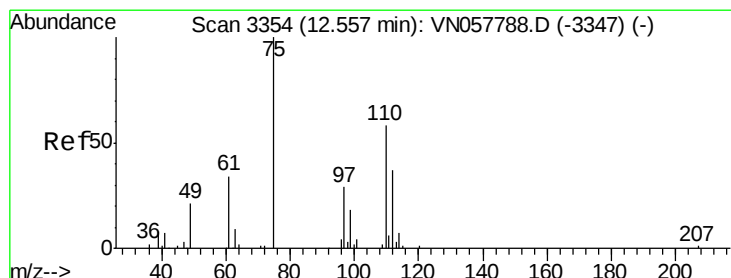
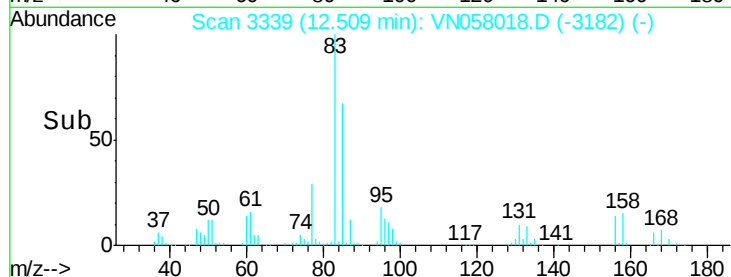
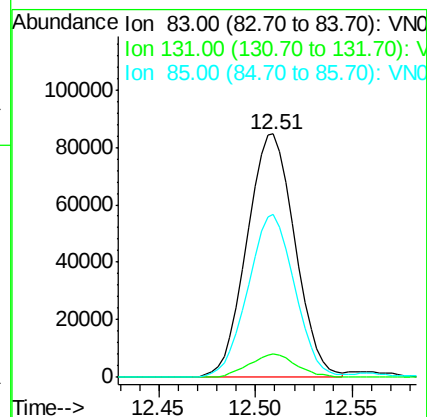
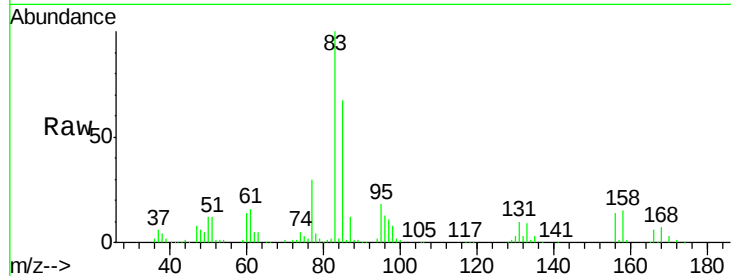
83 100

131 9.6 4.9 14.6

85 65.2 32.1 96.3

Manual Integrations
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9/16/2019 2:50:06 PM



#72

1,2,3-Trichloropropane

Concen: 18.864 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058018.D

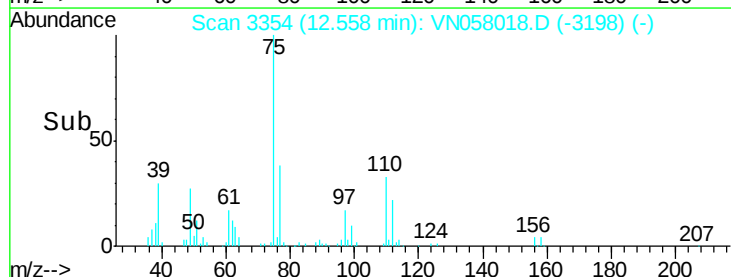
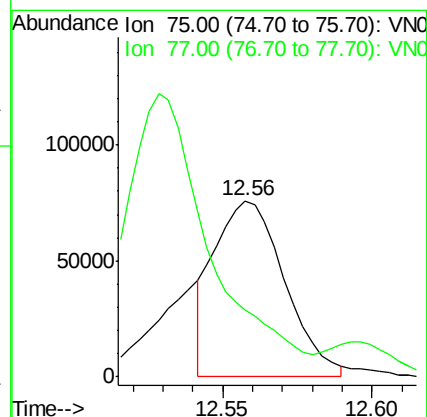
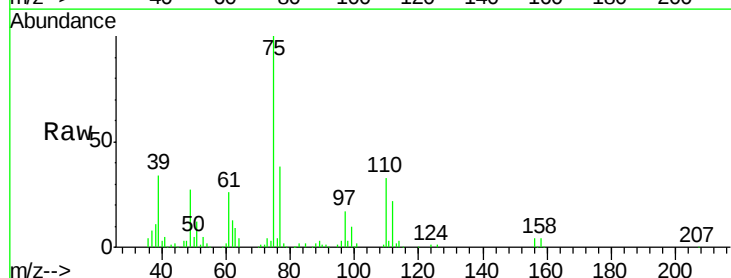
Acq: 13 Sep 2019 14:58

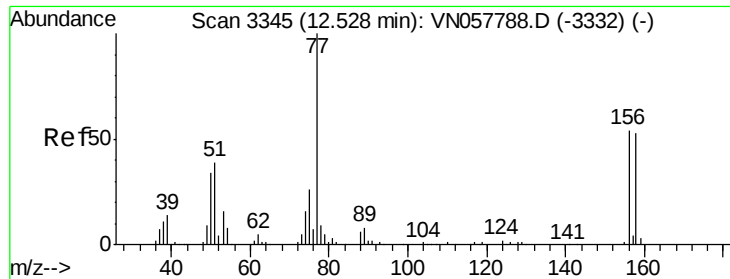
Tgt Ion: 75 Resp: 124339

Ion Ratio Lower Upper

75 100

77 198.0 0.0 351.6





#73

Bromobenzene

Concen: 18.767 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_N

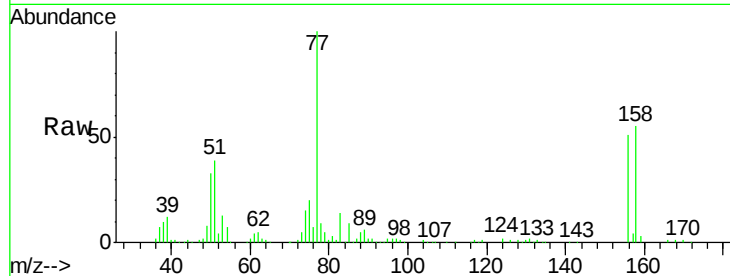
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	106764
Ion Ratio	Lower	Upper	
156	100		
77	230.6	0.0	446.6
158	103.3	0.0	197.2

Manual Integrations
APPROVED

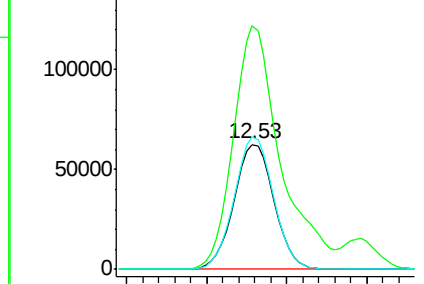
MMDadoda
9/16/2019 2:50:06 PM



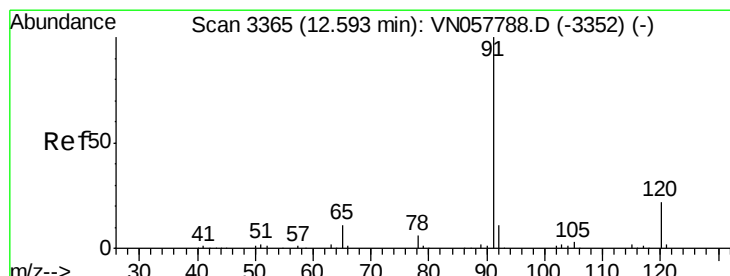
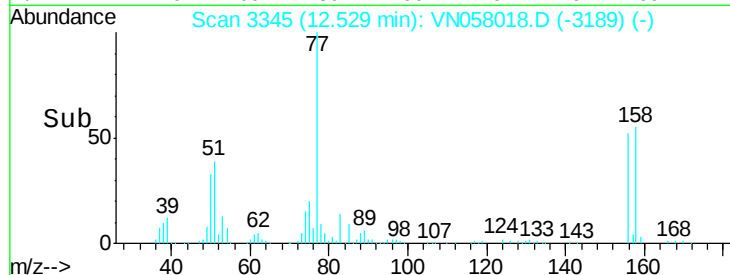
Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



Time--> 12.45 12.50 12.55 12.60



#74

n-propylbenzene

Concen: 20.924 ug/l

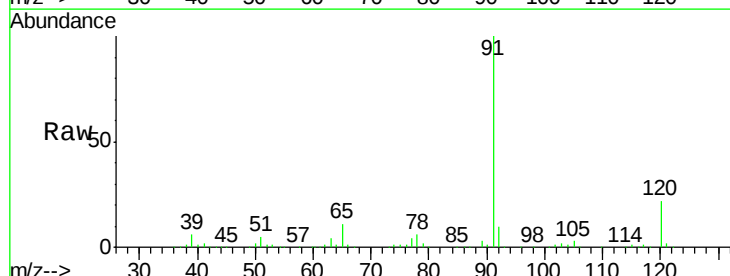
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058018.D

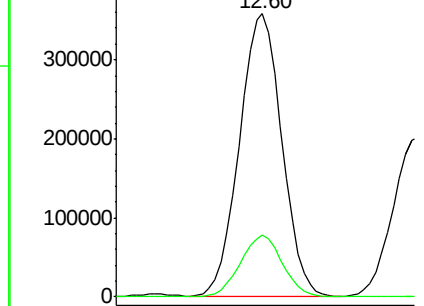
Acq: 13 Sep 2019 14:58

Tgt Ion:	91	Resp:	568054
Ion Ratio	Lower	Upper	
91	100		
120	21.7	0.0	43.4

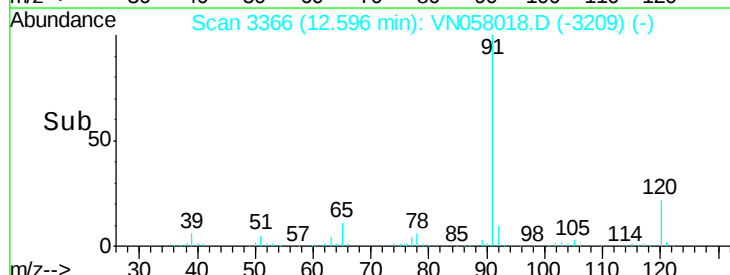


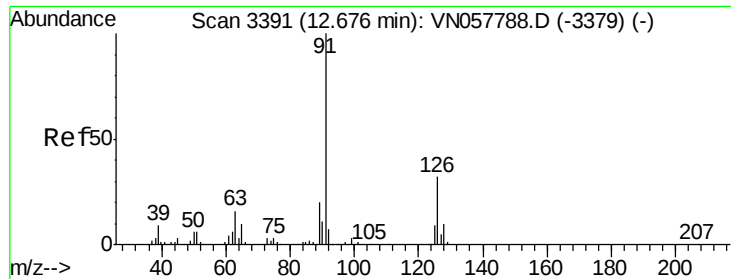
Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V



Time--> 12.55 12.60 12.65





#75

2-Chlorotoluene

Concen: 19.693 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 333007

Ion Ratio Lower Upper

91 100

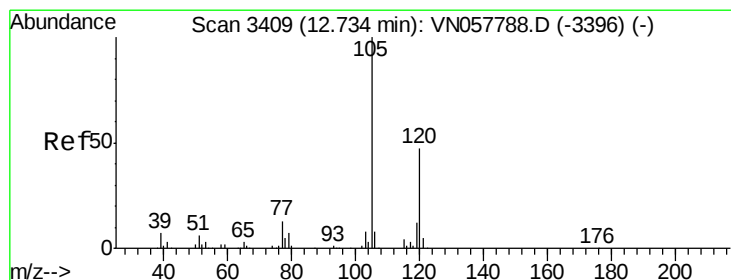
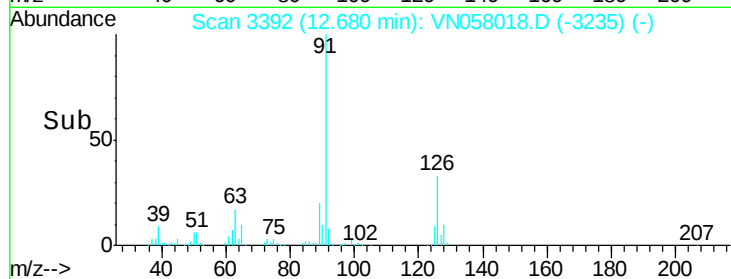
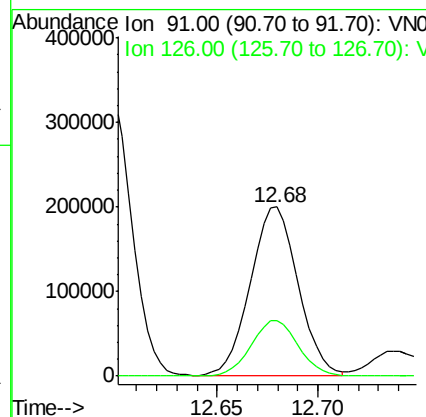
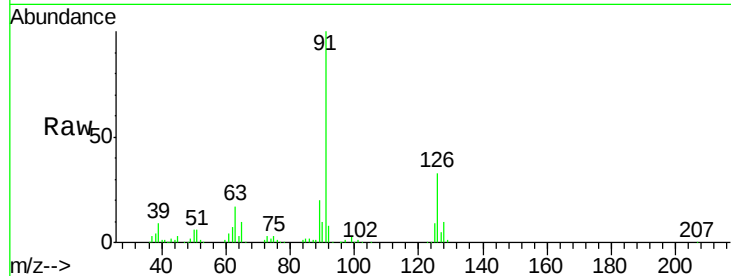
126 32.4 0.0 64.8

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.114 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058018.D

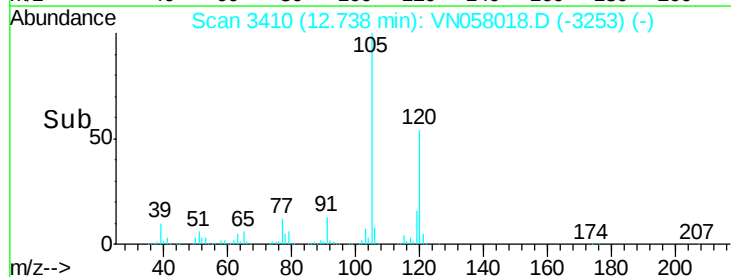
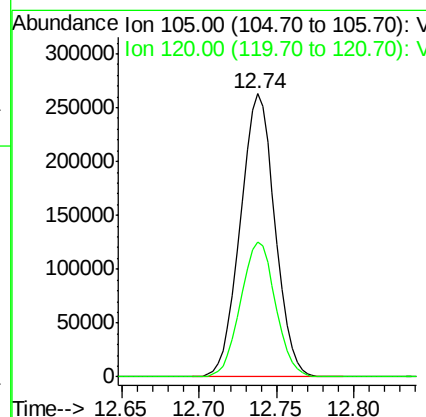
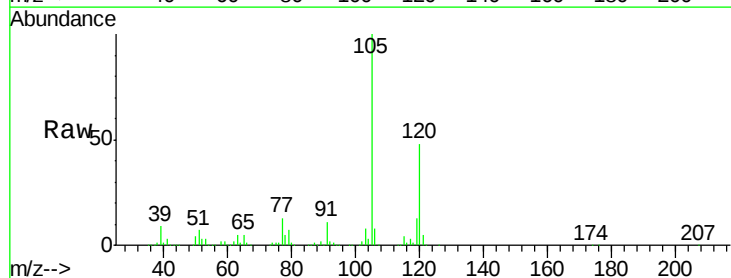
Acq: 13 Sep 2019 14:58

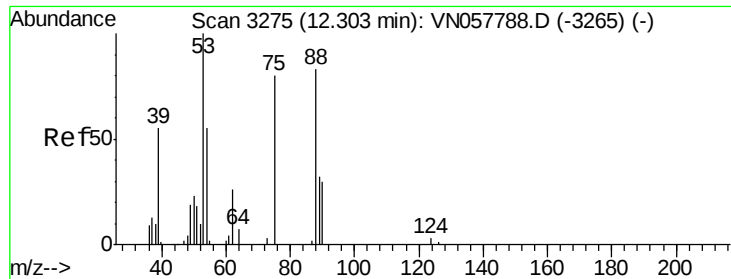
Tgt Ion: 105 Resp: 406985

Ion Ratio Lower Upper

105 100

120 48.4 0.0 94.4





#77

t-1,4-Dichloro-2-butene

Concen: 15.581 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_N

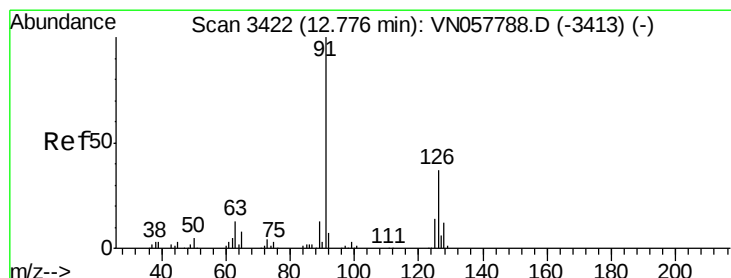
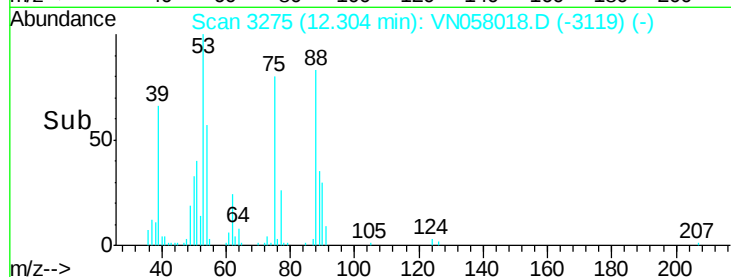
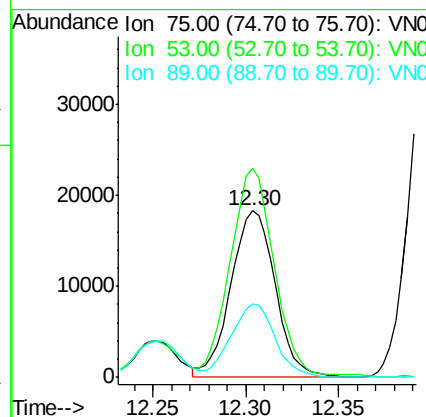
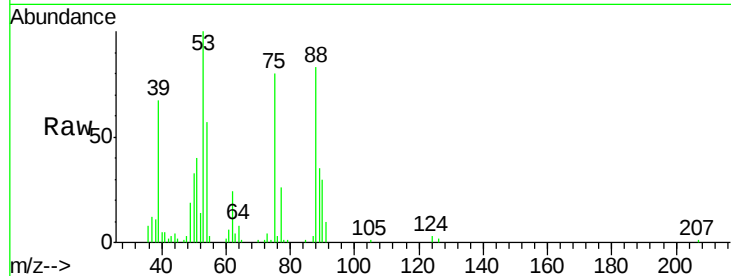
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	30467
Ion	Ratio	Lower	Upper
75	100		
53	124.1	62.7	188.2
89	43.9	22.8	68.3

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.870 ug/l

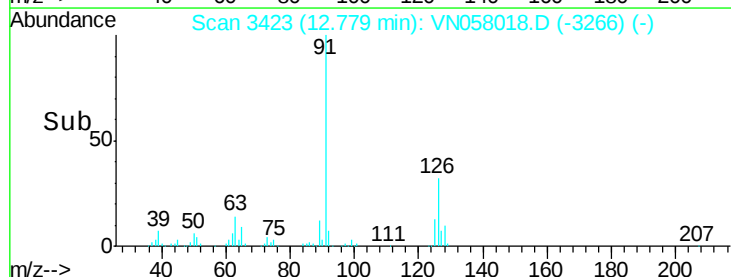
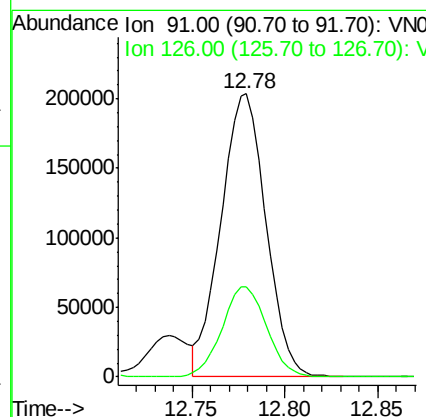
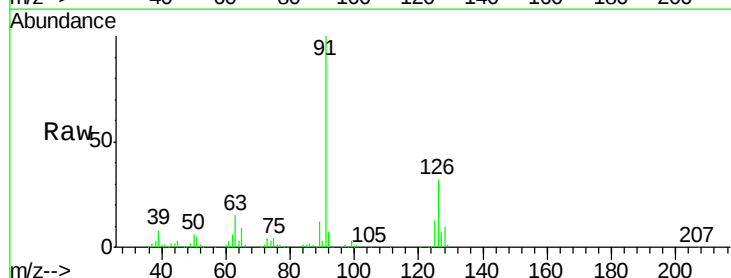
RT: 12.78 min Scan# 3423

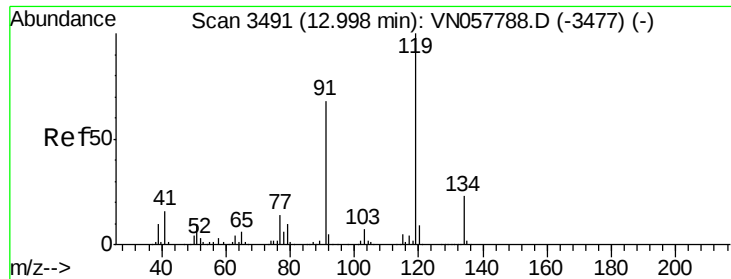
Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Tgt Ion:	91	Resp:	342723
Ion	Ratio	Lower	Upper
91	100		
126	31.7	0.0	65.2





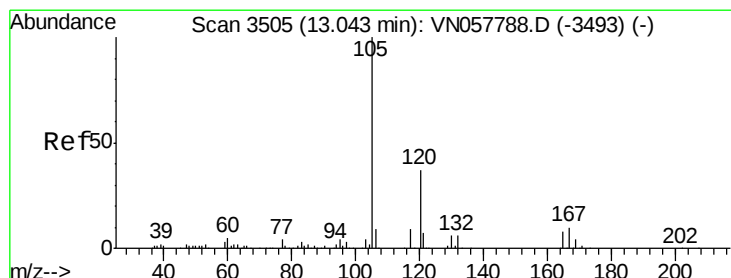
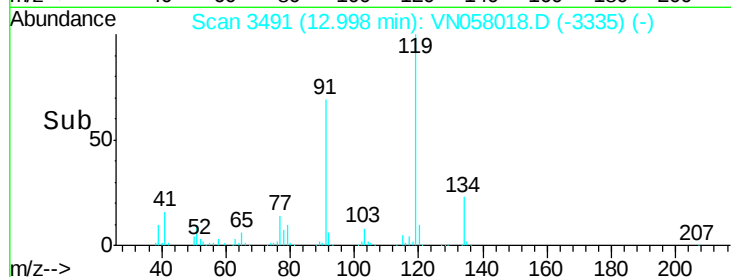
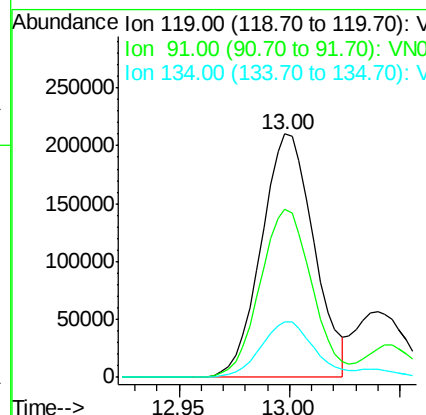
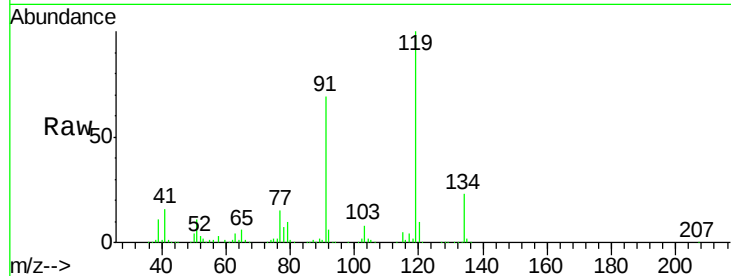
#79
tert-butylbenzene
Concen: 19.724 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	348163		
91	68.2	0.0	133.8	
134	23.0	0.0	46.4	

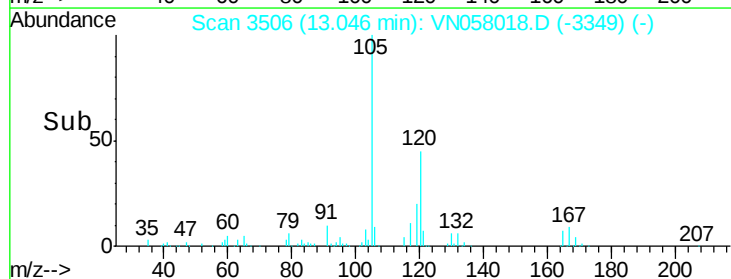
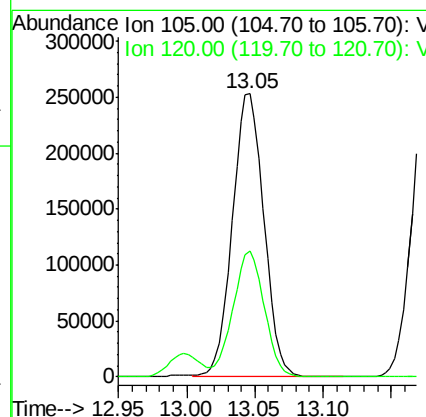
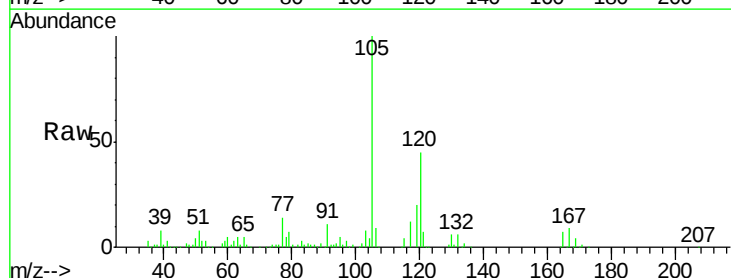
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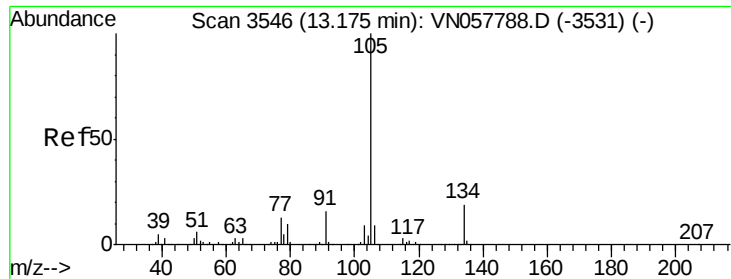
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 20.084 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	404916		
120	44.1	0.0	87.8	





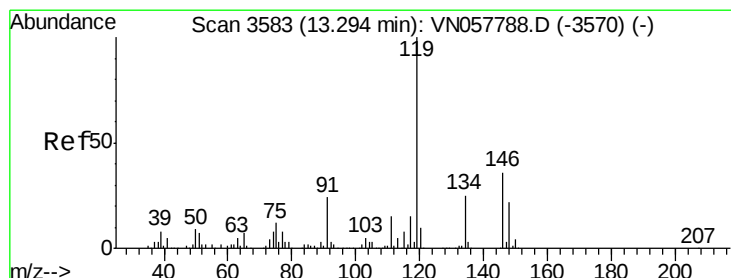
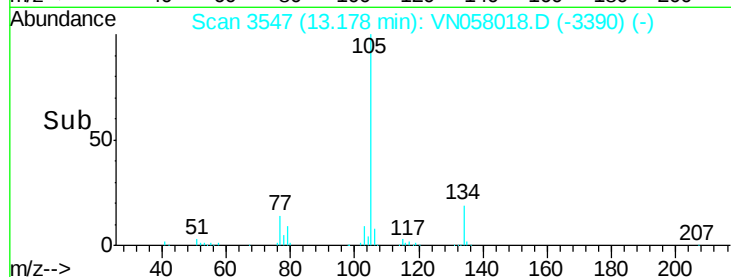
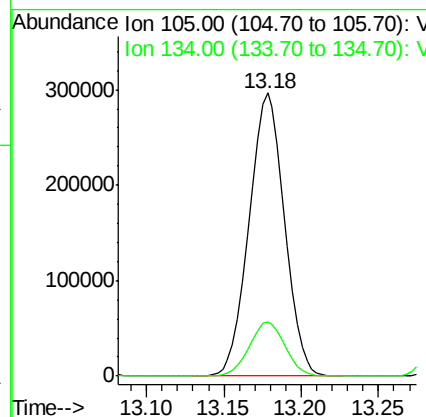
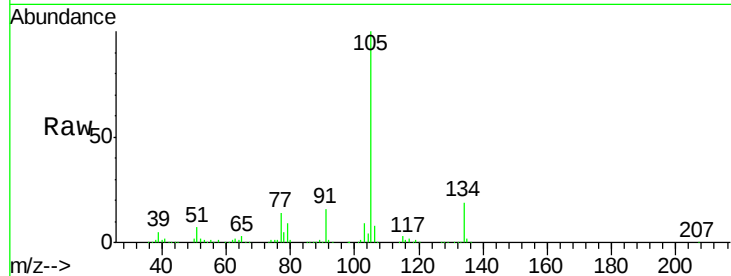
#81
 sec-Butylbenzene
 Concen: 20.096 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	0.0	37.6

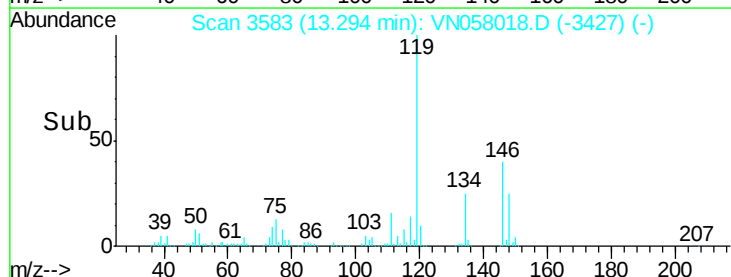
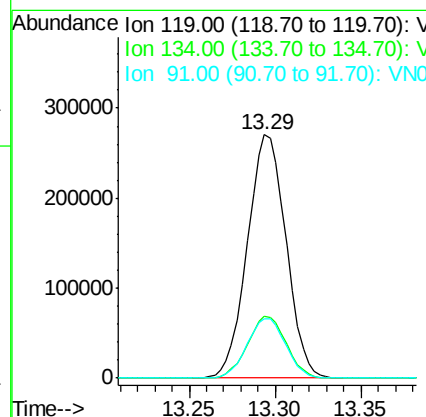
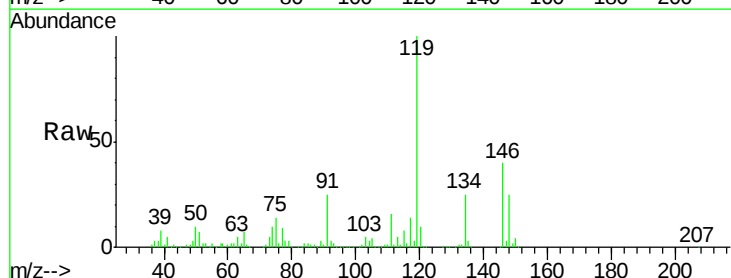
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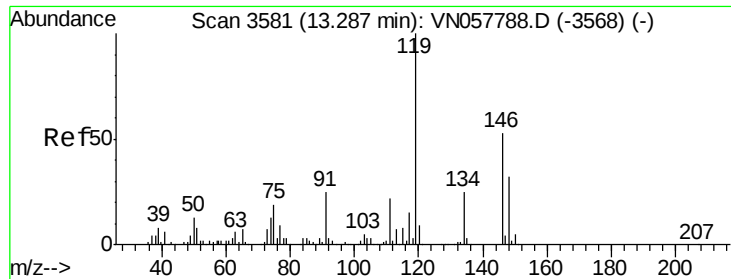
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#82
 p-Isopropyltoluene
 Concen: 20.051 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	50.4
91	24.7	0.0	48.8





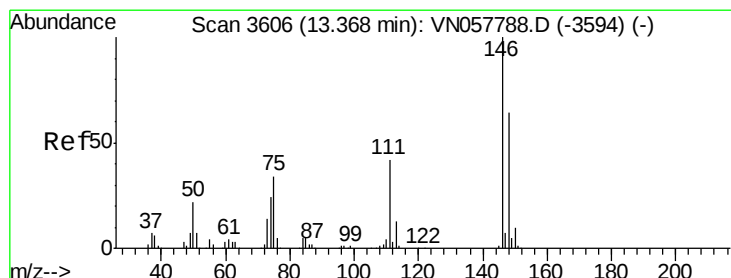
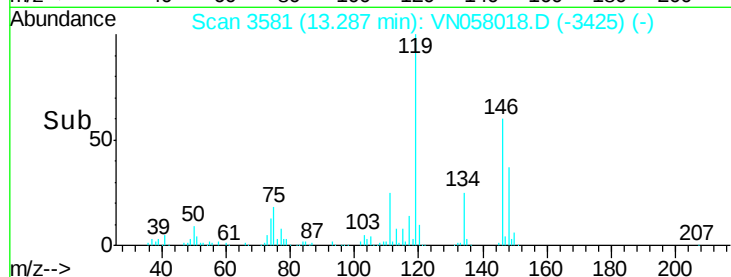
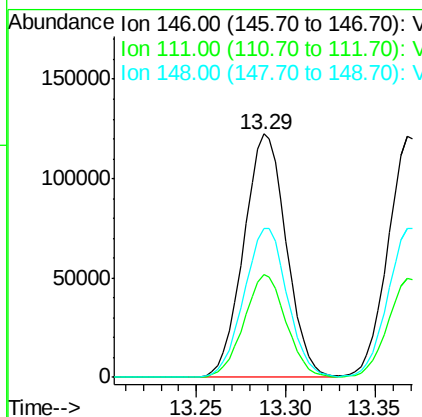
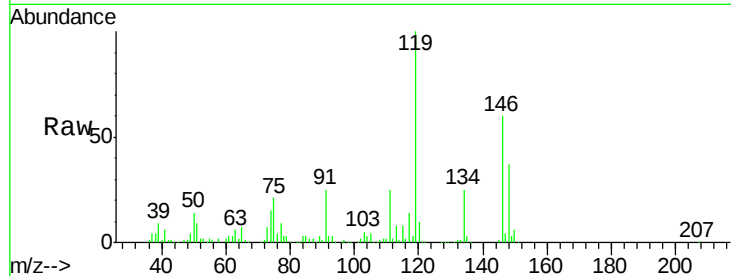
#83
 1,3-Dichlorobenzene
 Concen: 19.326 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	62.2	30.9	92.5

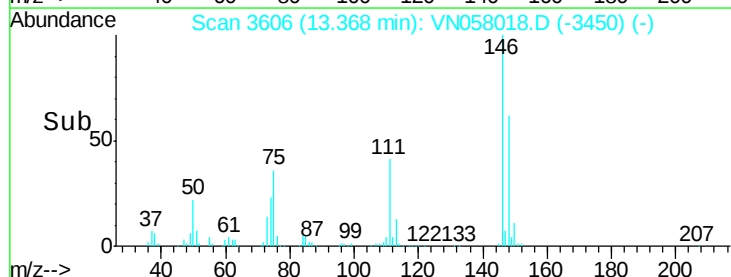
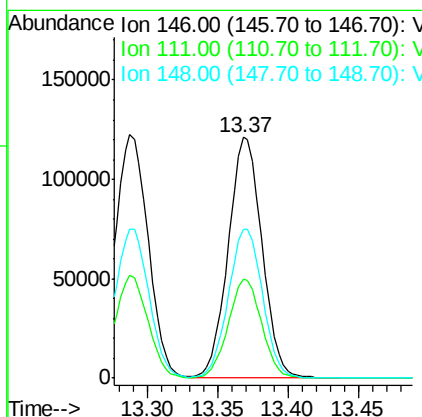
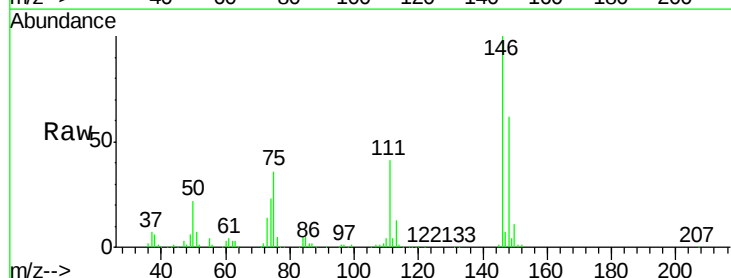
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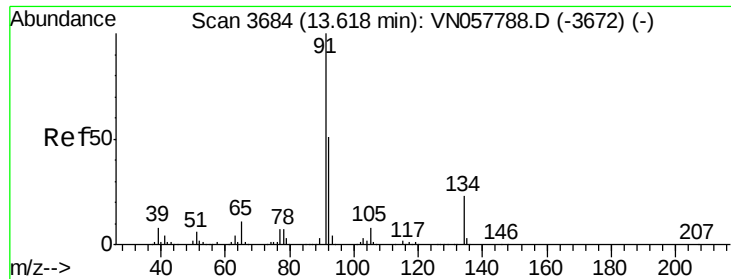
MMDadoda
 9/16/2019 2:50:06 PM



#84
 1,4-Dichlorobenzene
 Concen: 19.559 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.1	63.4
148	62.8	31.7	95.1





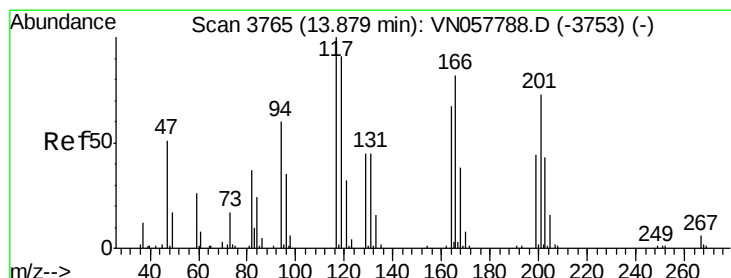
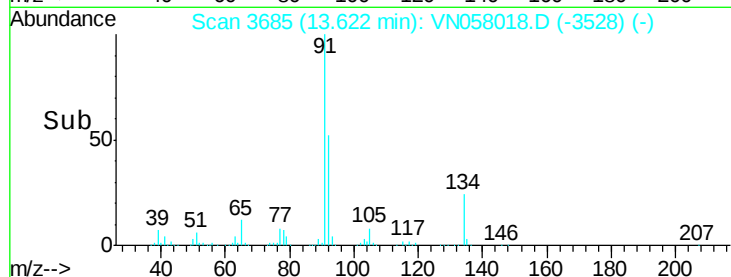
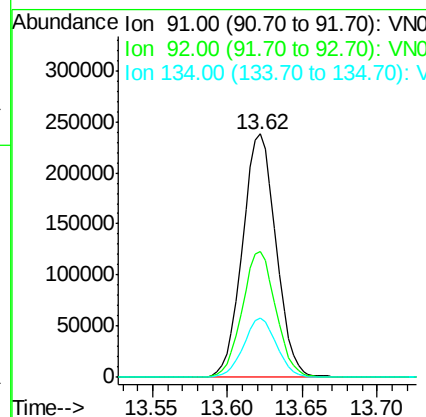
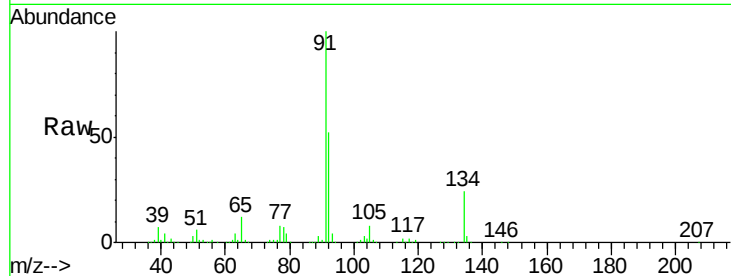
#85
n-Butylbenzene
Concen: 19.045 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	372276		
92	51.7	0.0	100.0	
134	23.8	0.0	46.6	

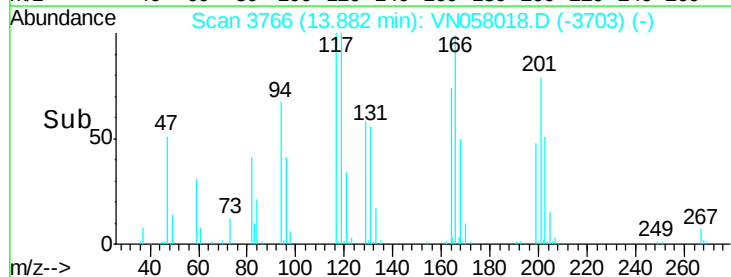
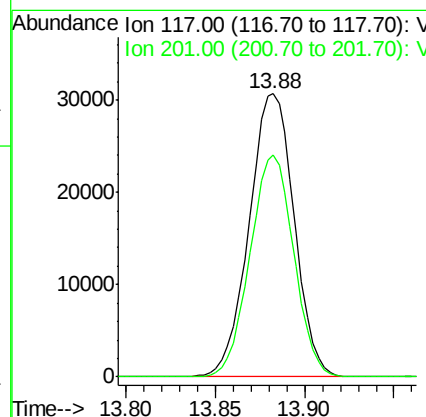
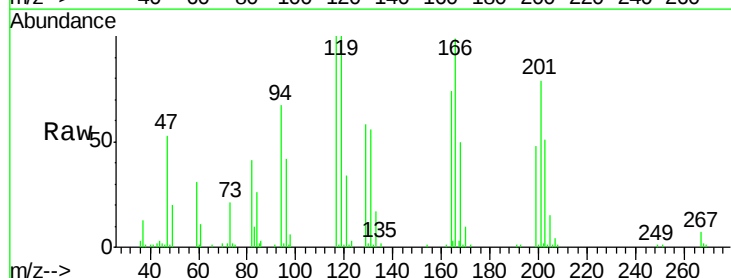
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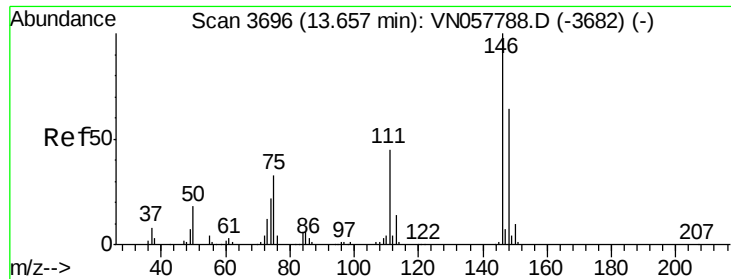
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#86
Hexachloroethane
Concen: 16.193 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	54100		
201	76.2	36.7	110.1	





#87

1,2-Dichlorobenzene

Concen: 19.733 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_N

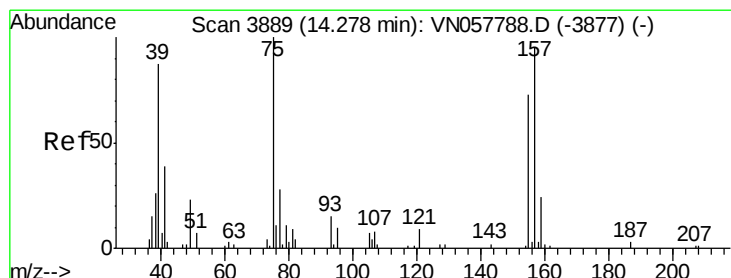
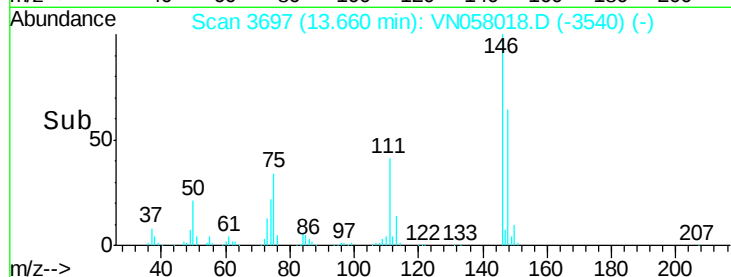
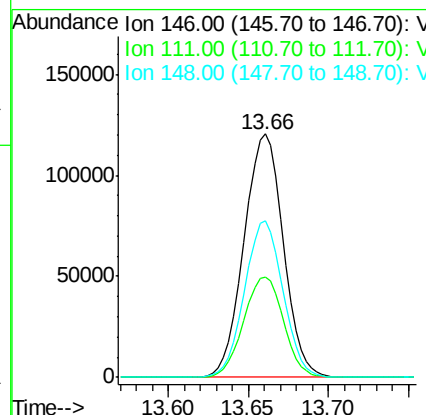
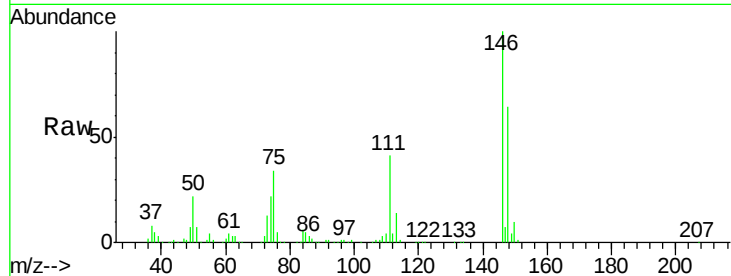
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	202540
Ion Ratio	Lower	Upper	
146	100		
111	41.7	22.2	66.6
148	62.9	32.1	96.3

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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.075 ug/l

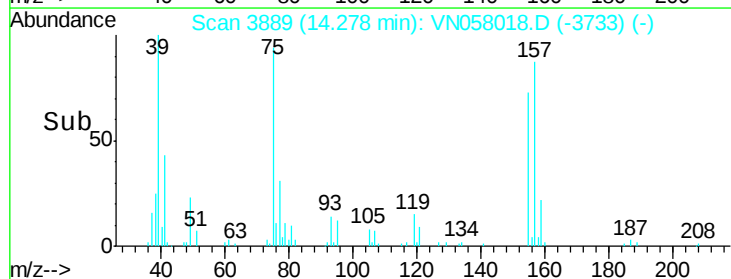
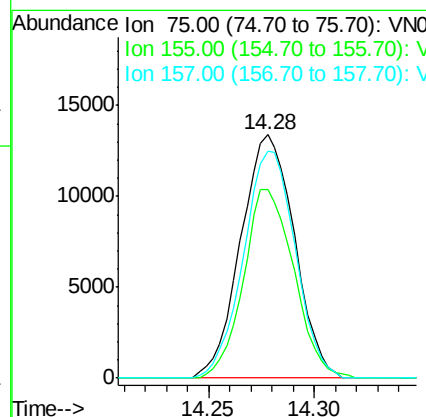
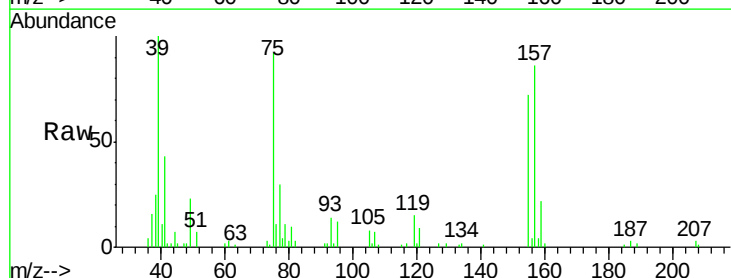
RT: 14.28 min Scan# 3889

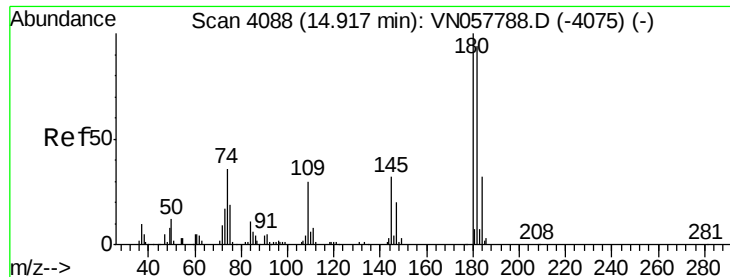
Delta R.T. 0.00 min

Lab File: VN058018.D

Acq: 13 Sep 2019 14:58

Tgt Ion:	75	Resp:	23634
Ion Ratio	Lower	Upper	
75	100		
155	72.9	59.4	89.2
157	90.3	74.6	112.0





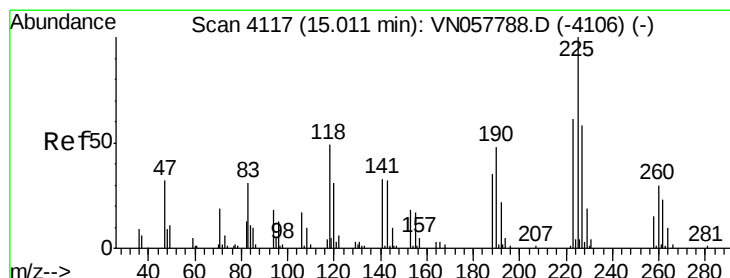
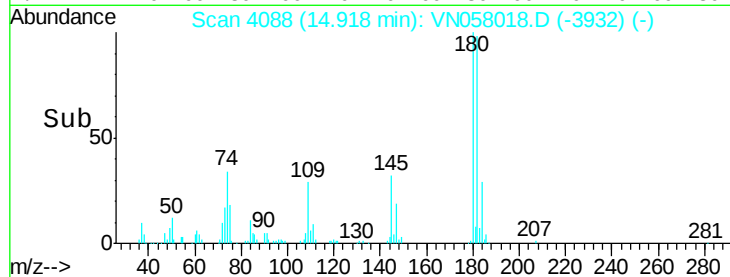
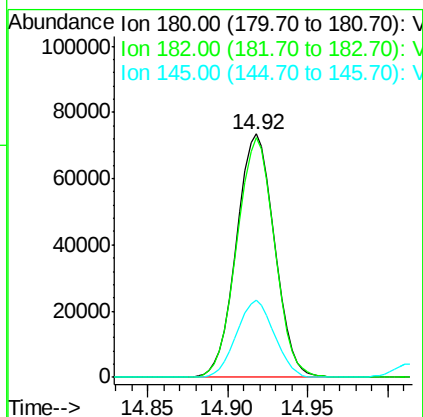
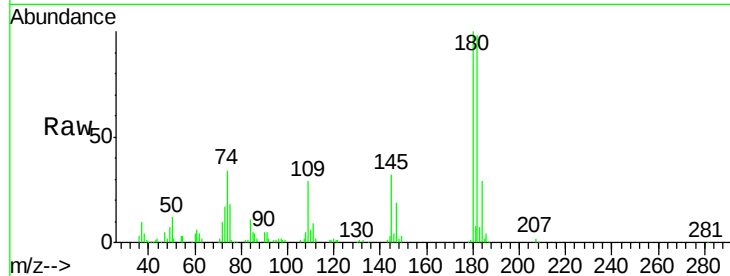
#89
 1,2,4-Trichlorobenzene
 Concen: 18.991 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	77.0	115.4
145	31.5	26.1	39.1

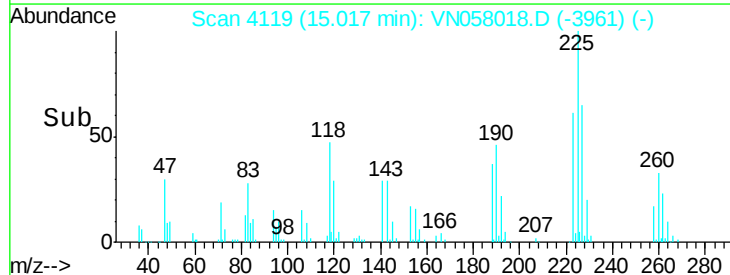
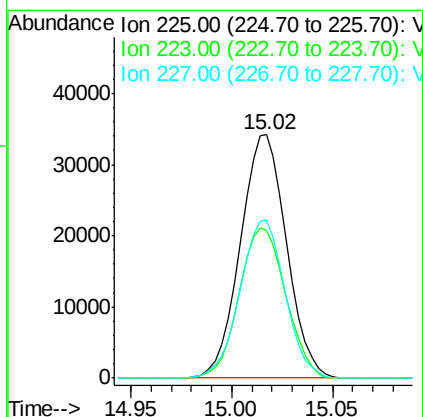
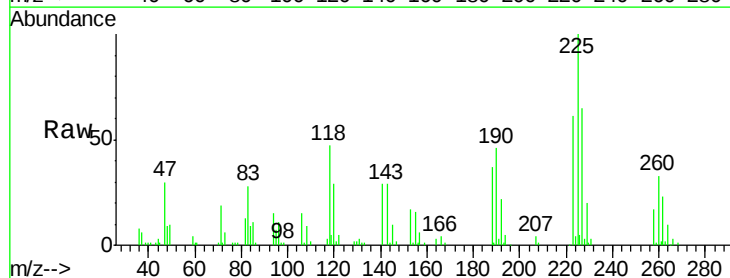
Manual Integrations
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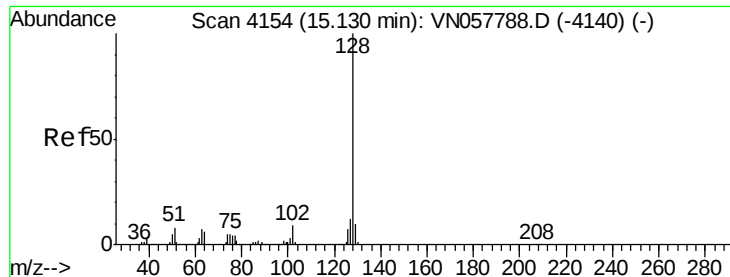
MMDadoda
 9/16/2019 2:50:06 PM



#90
 Hexachlorobutadiene
 Concen: 19.050 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.01 min
 Lab File: VN058018.D
 Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	0.0	125.0
227	63.3	0.0	123.8





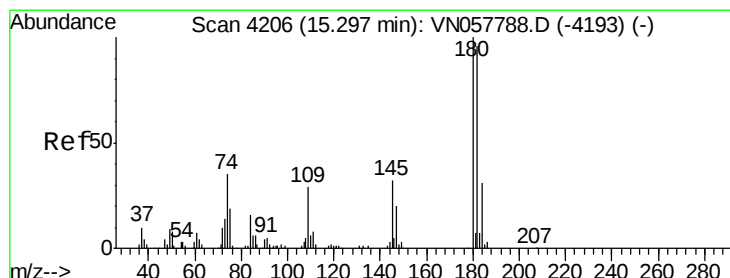
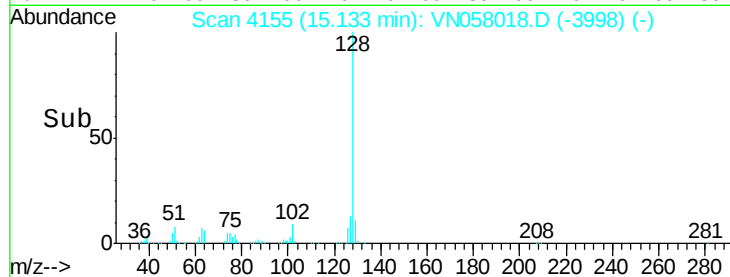
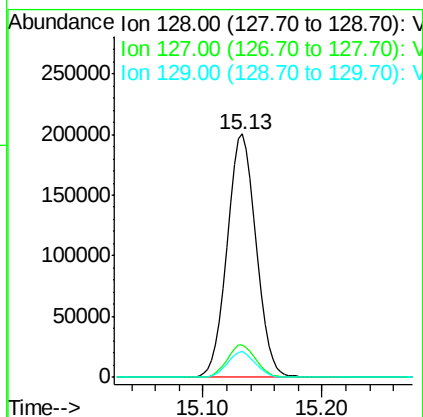
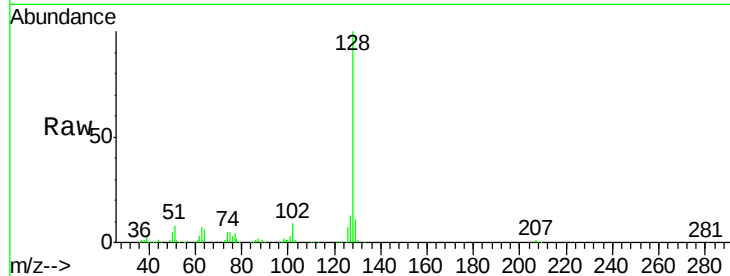
#91
Naphthalene
Concen: 19.589 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.9	14.9
129	10.3	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
9/16/2019 2:50:06 PM



#92
1,2,3-Trichlorobenzene
Concen: 19.565 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058018.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	0.0	189.8
145	32.0	0.0	65.0

