

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058178.D
 Acq On : 18 Sep 2019 21:18
 Operator : JC/SP
 Sample : VN0918WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:44:05 PM

Quant Time: Sep 19 18:38:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	510066	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	861529	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	782134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	370797	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	373334	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
35) Dibromofluoromethane	7.58	113	268242	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
50) Toluene-d8	10.08	98	1076874	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
62) 4-Bromofluorobenzene	12.40	95	380107	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	86421	20.625	ug/l	100
3) Chloromethane	2.04	50	72879	21.986	ug/l	99
4) Vinyl Chloride	2.17	62	75969	20.984	ug/l	99
5) Bromomethane	2.55	94	38424	20.978	ug/l	96
6) Chloroethane	2.69	64	49336	20.784	ug/l	97
7) Trichlorofluoromethane	3.00	101	111856	19.558	ug/l	100
8) Diethyl Ether	3.39	74	50039	19.095	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	79527	19.286	ug/l	97
10) Methyl Iodide	3.93	142	68828	19.920	ug/l	99
11) Tert butyl alcohol	4.75	59	90841	107.496	ug/l	99
12) 1,1-Dichloroethene	3.72	96	66081	20.910	ug/l	100
13) Acrolein	3.59	56	19904	158.933	ug/l	97
14) Allyl chloride	4.30	41	117006	17.341	ug/l	91
15) Acrylonitrile	4.96	53	240847	106.972	ug/l	99
16) Acetone	3.80	43	210326	87.219	ug/l	97
17) Carbon Disulfide	4.03	76	81235	18.613	ug/l	97
18) Methyl Acetate	4.30	43	130752	20.606	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	324253	20.849	ug/l	98
20) Methylene Chloride	4.53	84	93559	22.036	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	71791	20.818	ug/l	94
22) Diisopropyl ether	5.93	45	349897	20.414	ug/l	92
23) Vinyl Acetate	5.87	43	1249284	106.521	ug/l	100
24) 1,1-Dichloroethane	5.83	63	185053	20.229	ug/l	100
25) 2-Butanone	6.81	43	329761	100.374	ug/l	99
26) 2,2-Dichloropropane	6.81	77	124117	15.993	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	105262	20.350	ug/l	96
28) Bromochloromethane	7.18	49	91992	21.257	ug/l #	99
29) Tetrahydrofuran	7.19	42	207941	102.754	ug/l	99
30) Chloroform	7.36	83	199538	20.264	ug/l	99
31) Cyclohexane	7.64	56	129709	20.512	ug/l	90
32) 1,1,1-Trichloroethane	7.55	97	152659	20.365	ug/l	99
36) 1,1-Dichloropropene	7.78	75	115170	18.537	ug/l	99
37) Ethyl Acetate	6.91	43	132371	20.530	ug/l	99
38) Carbon Tetrachloride	7.76	117	120808	19.344	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	117047	19.528	ug/l	98
40) Benzene	8.03	78	374064	19.712	ug/l	99
41) Methacrylonitrile	7.16	41	62865	19.912	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	158313	19.882	ug/l	99
43) Isopropyl Acetate	8.15	43	250887	20.835	ug/l	99
44) Trichloroethene	8.82	130	91026	19.602	ug/l	99
45) 1,2-Dichloropropane	9.11	63	114656	20.232	ug/l	93
46) Dibromomethane	9.20	93	70051	20.331	ug/l	99
47) Bromodichloromethane	9.40	83	145315	20.132	ug/l	98
48) Methyl methacrylate	9.19	41	110943	20.292	ug/l	98
49) 1,4-Dioxane	9.19	88	37925	422.494	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	736750	115.189	ug/l	99
52) Toluene	10.15	92	237547	19.974	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	147361	19.930	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	156453	19.165	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	111717	21.168	ug/l	99
56) Ethyl methacrylate	10.43	69	158860	20.862	ug/l	99
57) 1,3-Dichloropropane	10.71	76	189675	20.906	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	379038	104.501	ug/l	99
59) 2-Hexanone	10.75	43	520700	109.616	ug/l	99
60) Dibromochloromethane	10.90	129	100647	19.823	ug/l	98
61) 1,2-Dibromoethane	11.00	107	99354	20.314	ug/l	99
64) Tetrachloroethene	10.63	164	74791	19.616	ug/l	99
65) Chlorobenzene	11.43	112	271961	19.769	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	103197	20.687	ug/l	100
67) Ethyl Benzene	11.51	91	485714	20.605	ug/l	100
68) m/p-Xylenes	11.62	106	356083	40.107	ug/l	98
69) o-Xylene	11.95	106	181037	20.738	ug/l	98
70) Styrene	11.97	104	313489	20.842	ug/l	100
71) Bromoform	12.13	173	63657	19.570	ug/l #	97
73) Isopropylbenzene	12.25	105	505879	21.796	ug/l	99
74) N-amyl acetate	12.07	43	211925	21.827	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	167252	21.519	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	138847m	20.923	ug/l	
77) Bromobenzene	12.53	156	120368	20.617	ug/l	99
78) n-propylbenzene	12.60	91	580830	22.023	ug/l	100
79) 2-Chlorotoluene	12.68	91	352699	21.398	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	427020	21.757	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35766	19.966	ug/l	91
82) 4-Chlorotoluene	12.78	91	369892	21.348	ug/l	100
83) tert-Butylbenzene	13.00	119	379396	21.677	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	433854	22.213	ug/l	100
85) sec-Butylbenzene	13.18	105	504911	22.061	ug/l	99
86) p-Isopropyltoluene	13.29	119	451975	22.213	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	228237	21.404	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	227943	20.938	ug/l	99
89) n-Butylbenzene	13.62	91	409658	21.236	ug/l	100
90) Hexachloroethane	13.88	117	64616	19.910	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	226075	21.135	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	27601	19.725	ug/l	98

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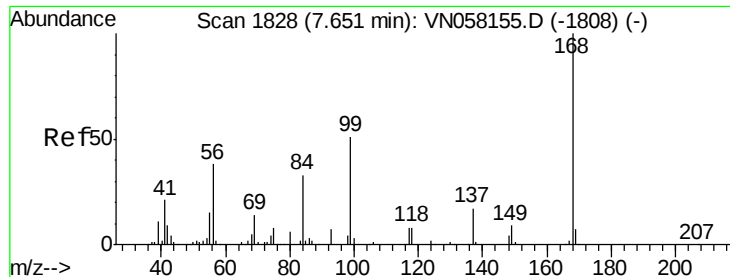
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	139846	20.462	ug/l	99
94) Hexachlorobutadiene	15.02	225	67392	20.402	ug/l	98
95) Naphthalene	15.13	128	381521	21.541	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	135558	20.986	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD01

Tot Ion:168 Resp: 510066

Ion Ratio Lower Upper

168 100

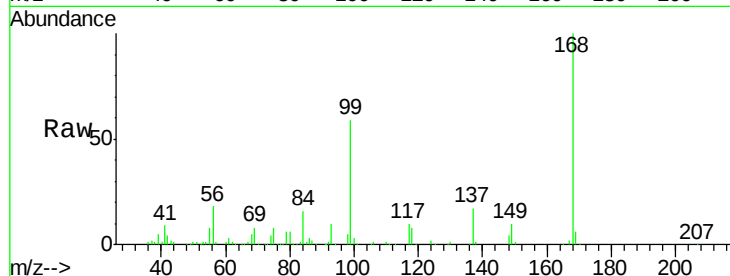
99 58.5 47.4 71.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

250000

200000

150000

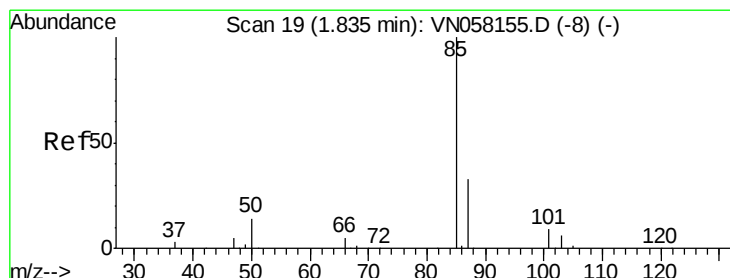
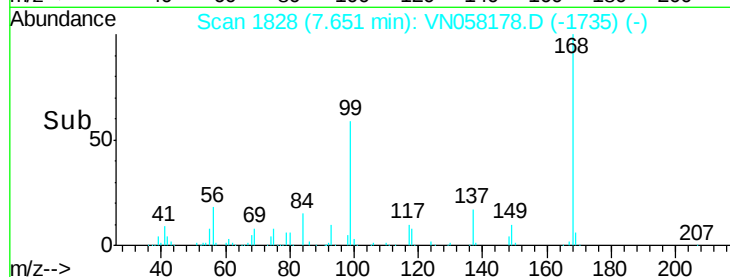
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.625 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058178.D

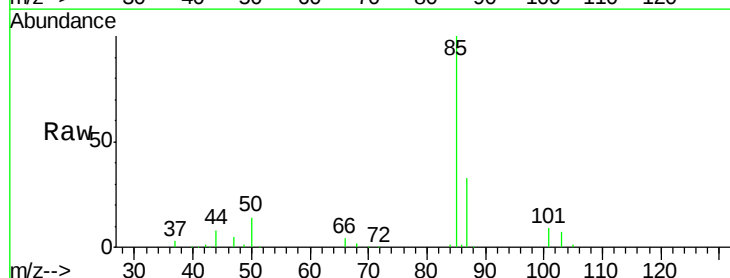
Acq: 18 Sep 2019 21:18

Tgt Ion: 85 Resp: 86421

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

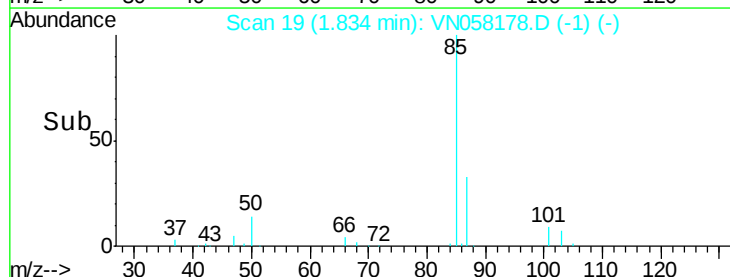
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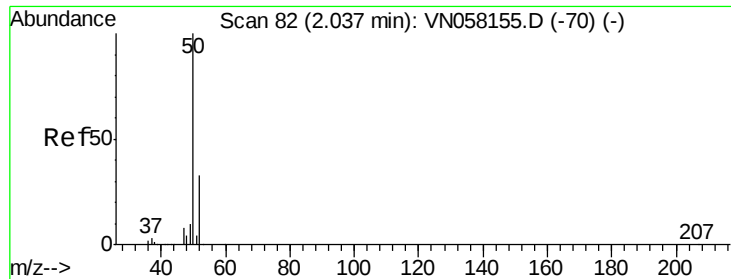
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 21.986 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD01

Tot Ion: 50 Resp: 72879

Ion Ratio Lower Upper

50 100

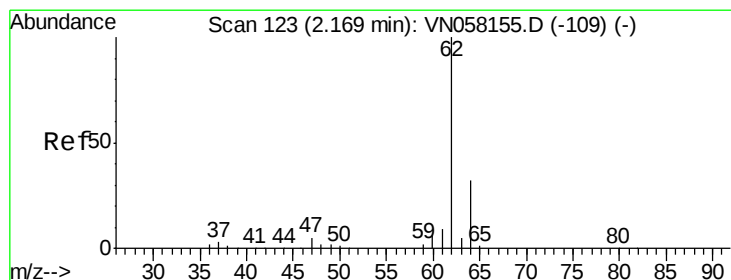
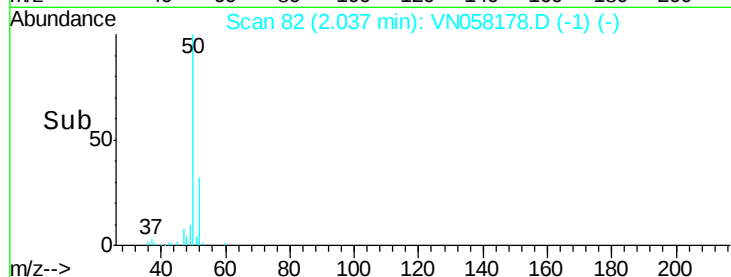
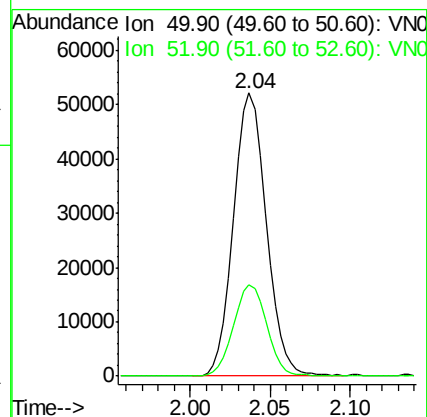
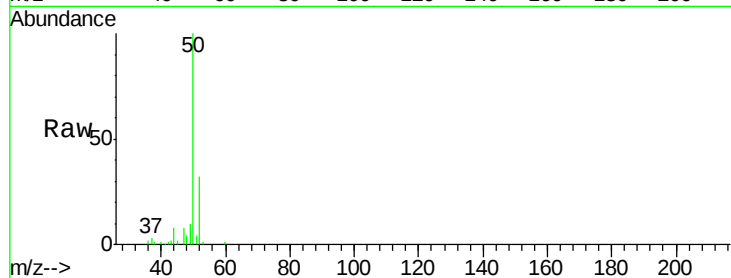
52 32.4 26.3 39.5

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 20.984 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058178.D

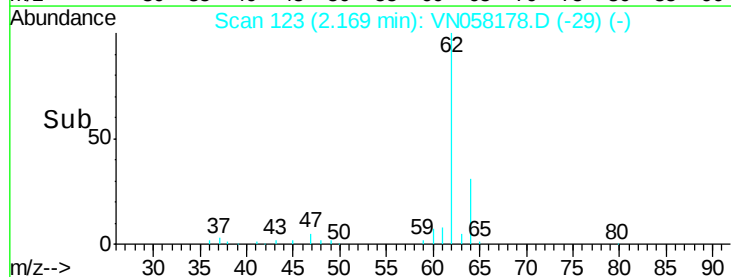
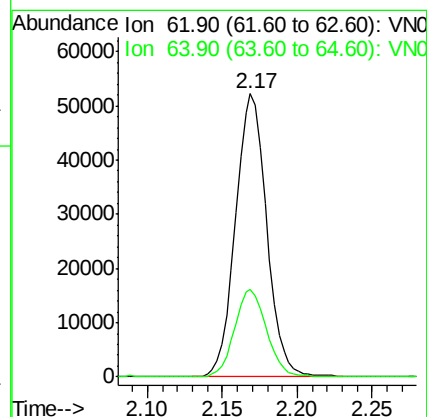
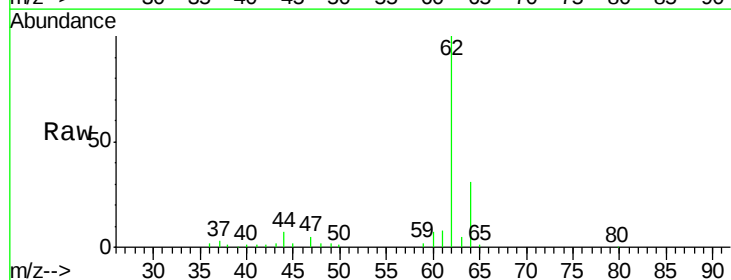
Acq: 18 Sep 2019 21:18

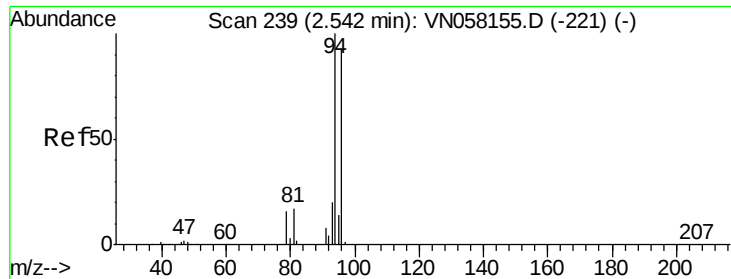
Tgt Ion: 62 Resp: 75969

Ion Ratio Lower Upper

62 100

64 31.0 25.4 38.2





#5

Bromomethane

Concen: 20.978 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD01

Tot Ion: 94 Resp: 38424

Ion Ratio Lower Upper

94 100

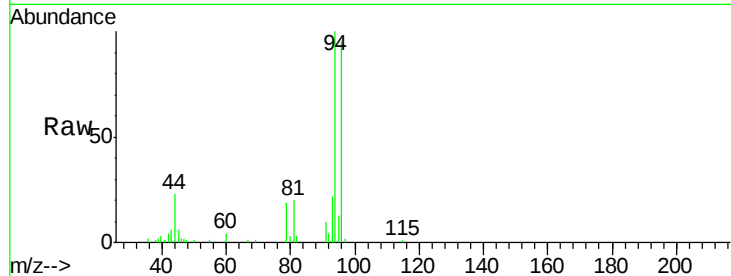
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Manual Integrations

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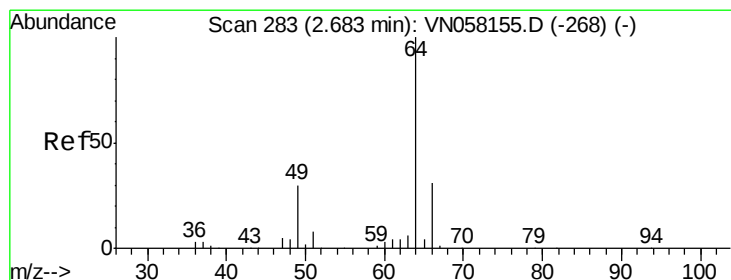
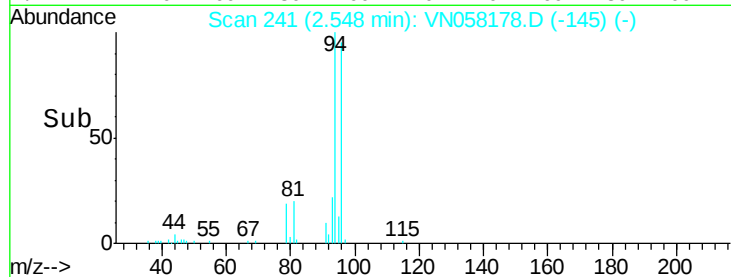
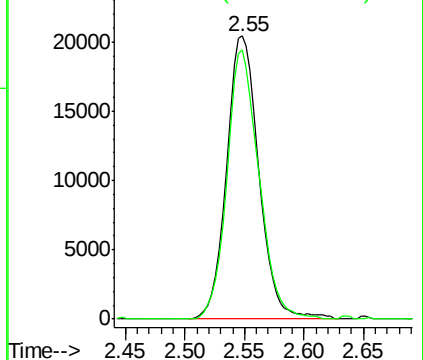
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.784 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058178.D

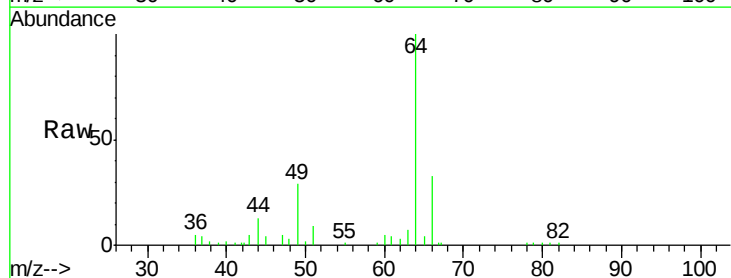
Acq: 18 Sep 2019 21:18

Tgt Ion: 64 Resp: 49336

Ion Ratio Lower Upper

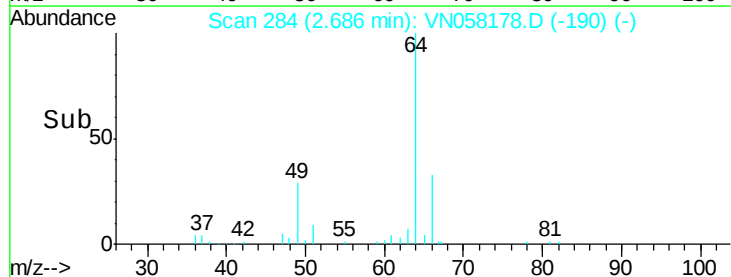
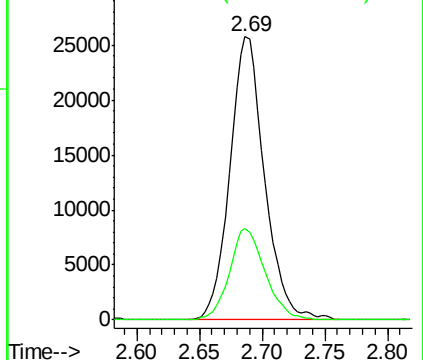
64 100

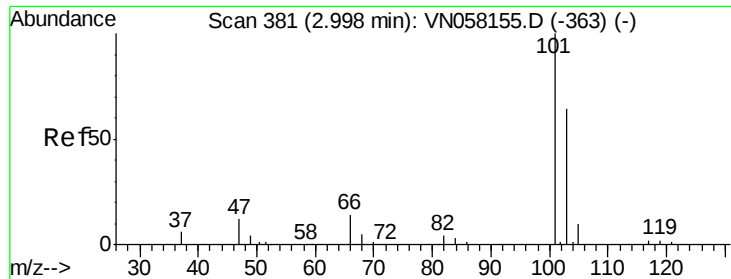
66 32.5 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

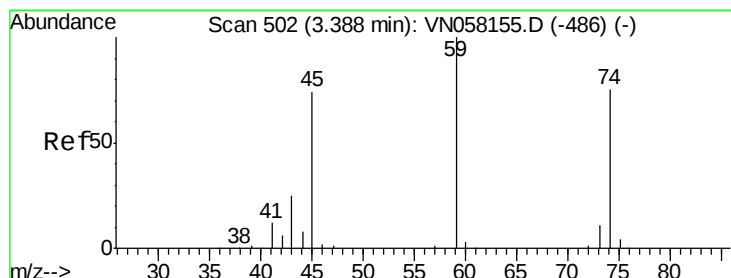
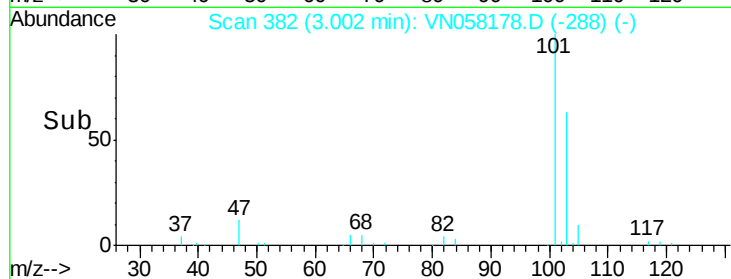
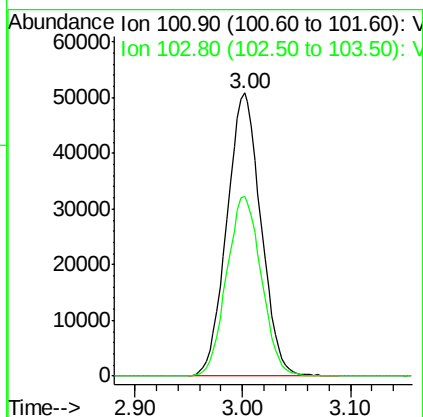
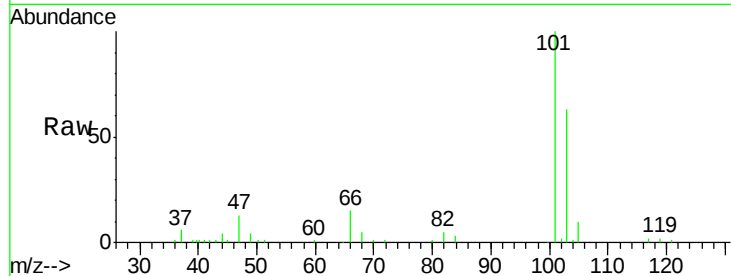
Trichlorofluoromethane
Concen: 19.558 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tot Ion:101 Resp: 111856
Ion Ratio Lower Upper
101 100
103 63.4 51.0 76.6

Manual Integrations
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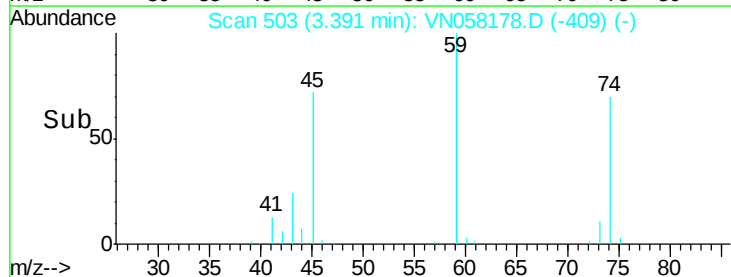
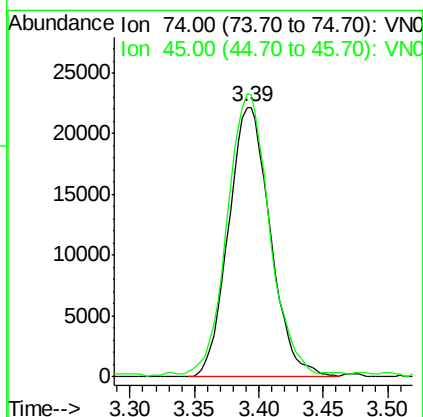
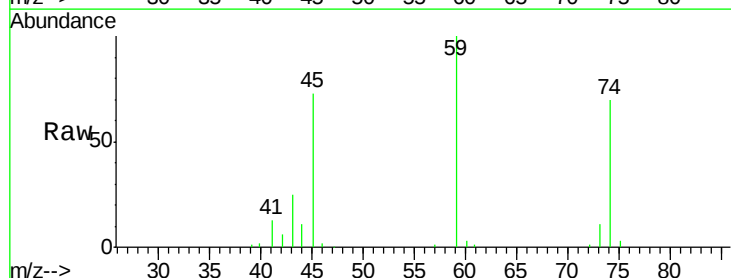
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9/20/2019 1:44:05 PM



#8

Diethyl Ether
Concen: 19.095 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Tgt Ion: 74 Resp: 50039
Ion Ratio Lower Upper
74 100
45 103.7 48.5 145.5





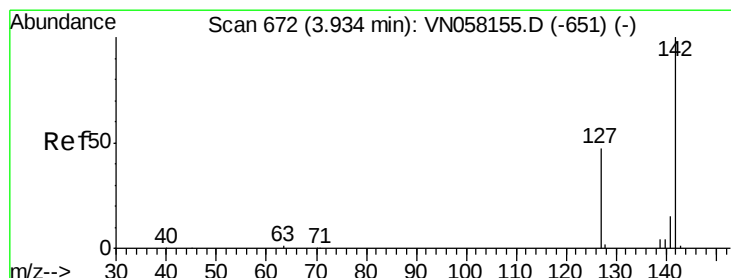
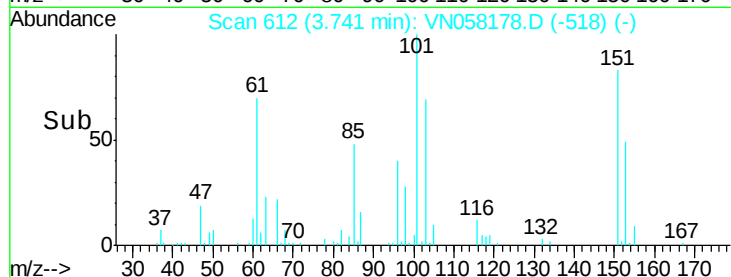
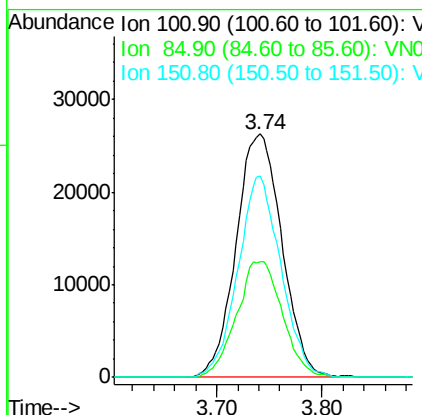
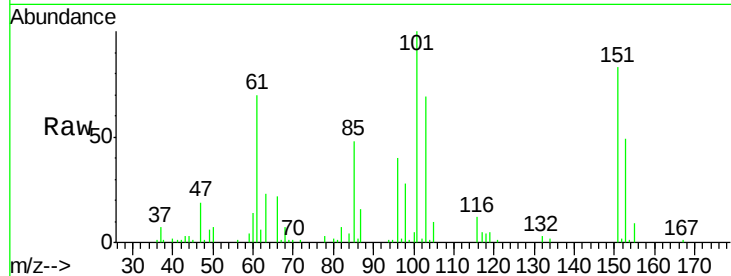
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.286 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Instrument :
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 ClientSampleId :
 VN0918WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.5	37.3	55.9
151	77.5	59.6	89.4

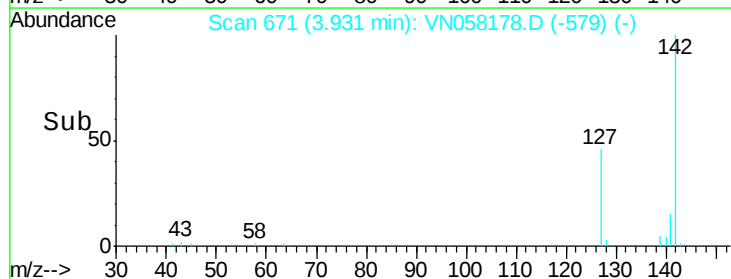
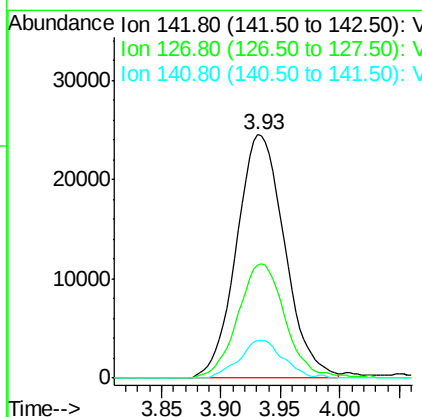
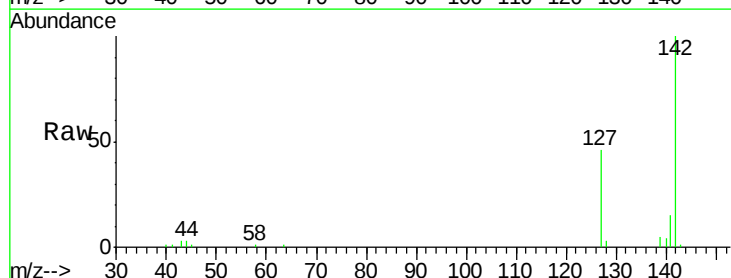
Manual Integrations
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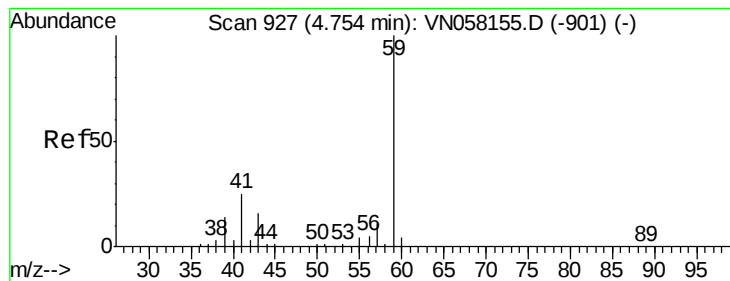
MMDadoda
 9/20/2019 1:44:05 PM



#10
 Methyl Iodide
 Concen: 19.920 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.1	37.5	56.3
141	14.1	11.4	17.2





#11

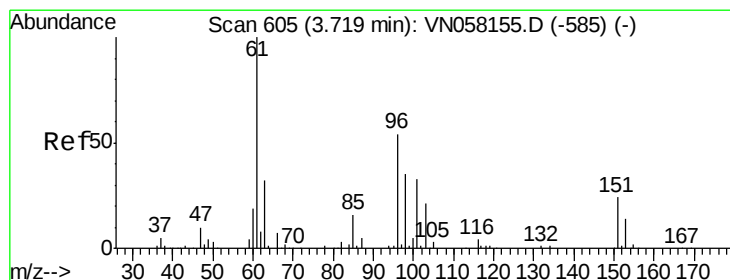
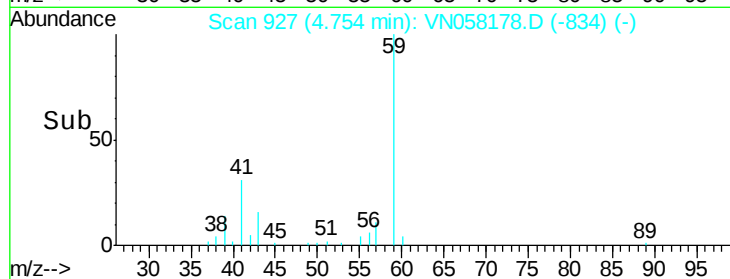
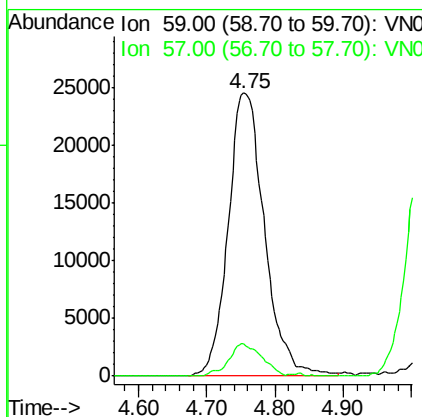
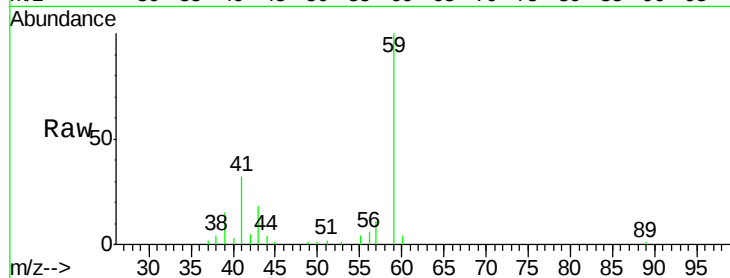
Tert butyl alcohol
Concen: 107.496 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tot Ion	59.00	Resp	90841
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	13.0

Manual Integrations
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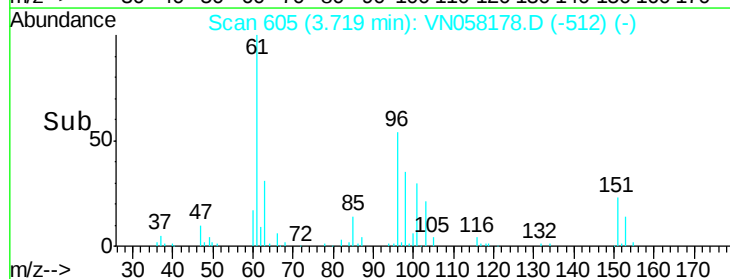
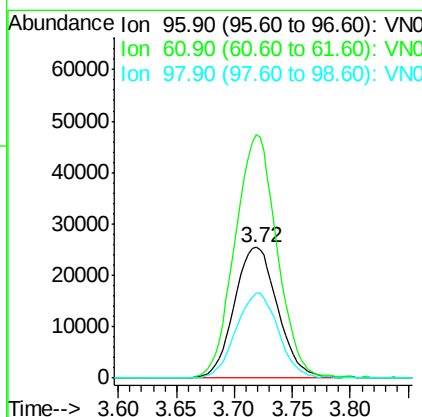
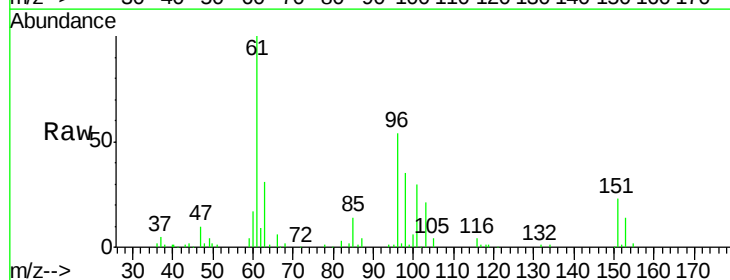
MMDadoda
9/20/2019 1:44:05 PM

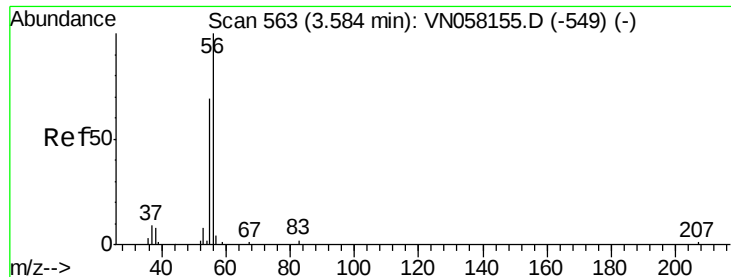


#12

1,1-Dichloroethene
Concen: 20.910 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Tgt Ion	96	Resp	66081
Ion	Ratio	Lower	Upper
96	100		
61	186.7	149.5	224.3
98	64.7	52.4	78.6





#13

Acrolein

Concen: 158.933 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD01

Tot Ion: 56 Resp: 19904

Ion Ratio Lower Upper

56 100

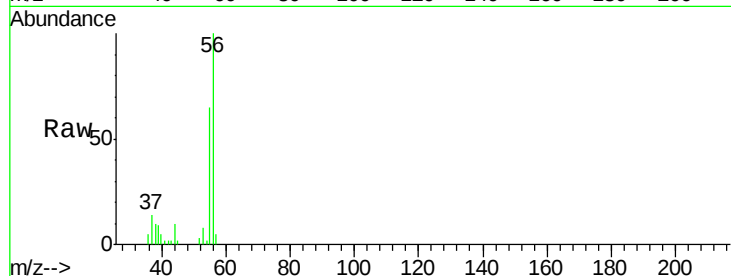
55 72.3 56.1 84.1

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

8000

6000

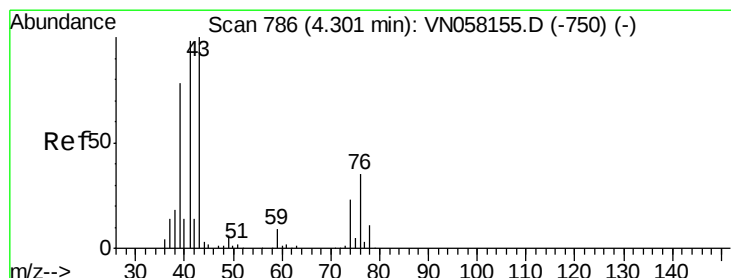
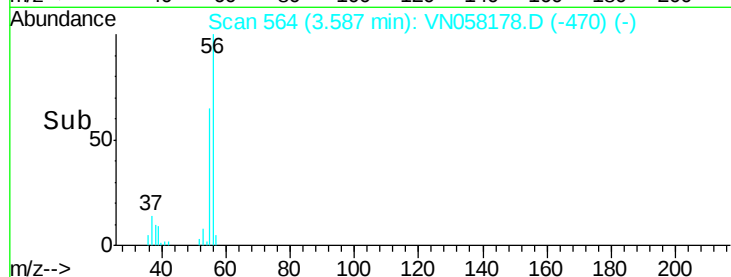
4000

2000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 17.341 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

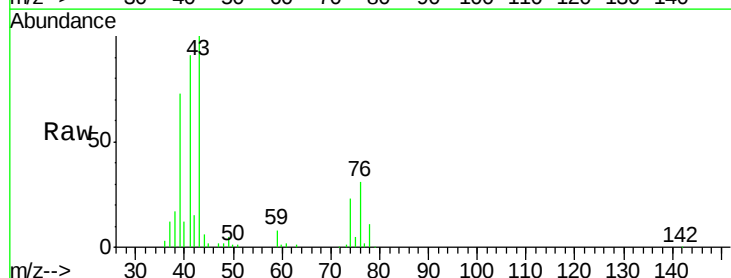
Tgt Ion: 41 Resp: 117006

Ion Ratio Lower Upper

41 100

39 82.5 59.1 88.7

76 35.0 25.1 37.7



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.30

50000

40000

30000

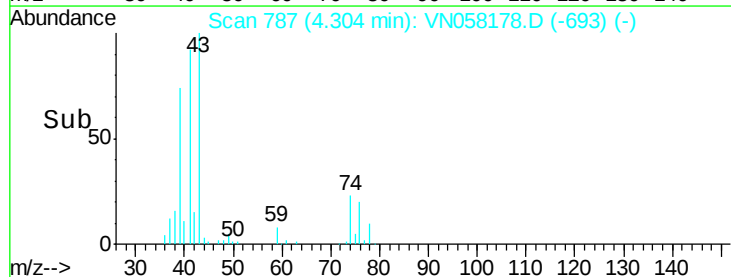
20000

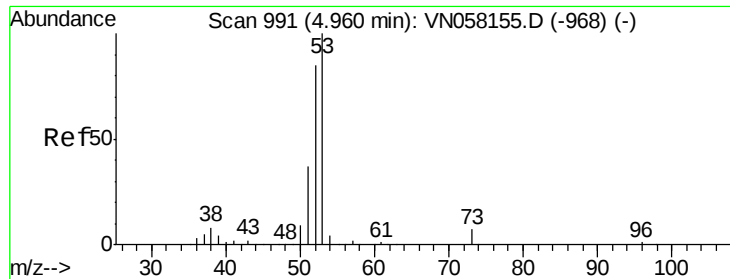
10000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 106.972 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Instrument :

MSVOA_N

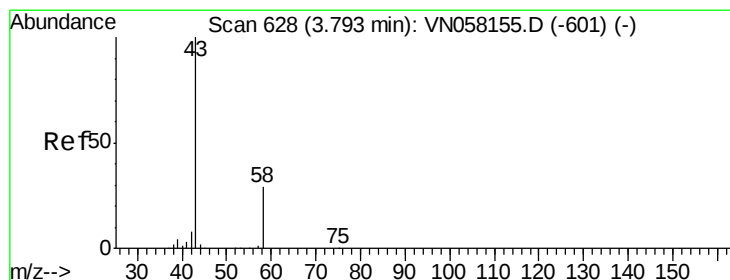
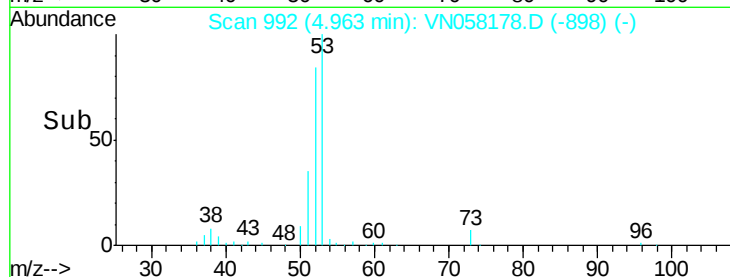
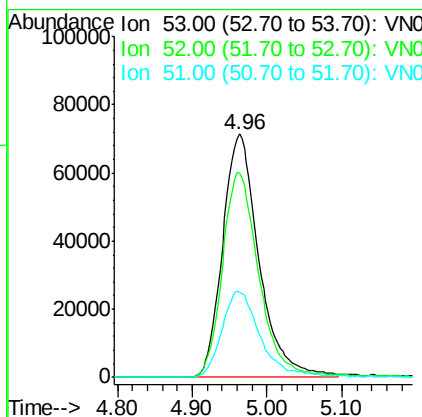
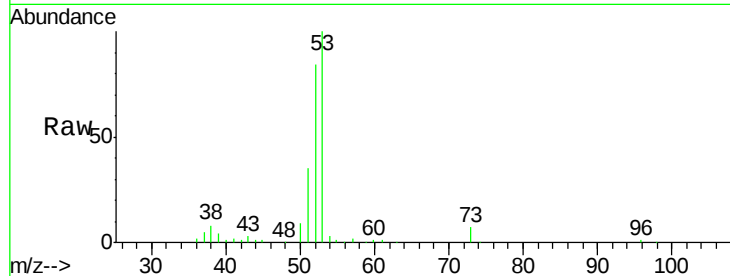
ClientSampleId :

VN0918WBSD01

Tot Ion:	53	Resp:	240847
Ion Ratio	Lower	Upper	
53	100		
52	84.6	66.6	100.0
51	37.0	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 87.219 ug/l

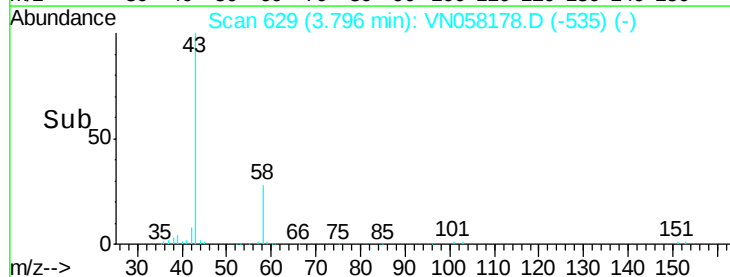
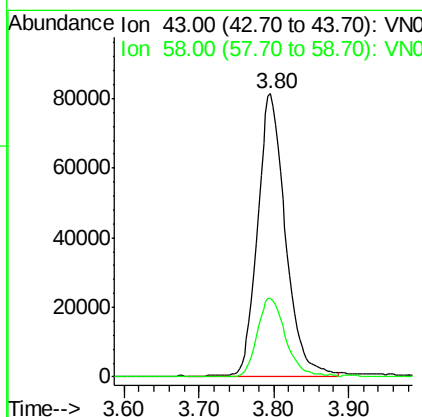
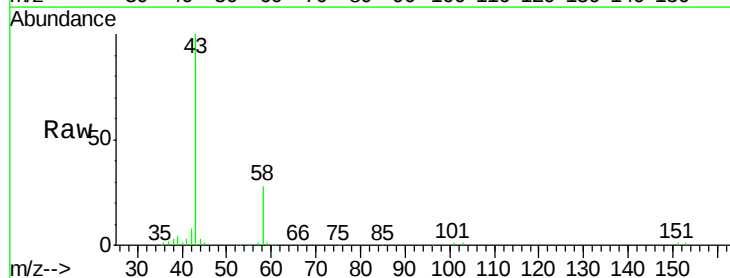
RT: 3.80 min Scan# 629

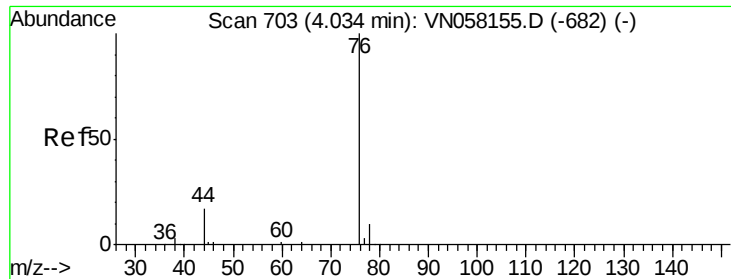
Delta R.T. 0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Tgt Ion:	43	Resp:	210326
Ion Ratio	Lower	Upper	
43	100		
58	27.8	23.4	35.2





#17

Carbon Disulfide

Concen: 18.613 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD01

Tot Ion: 76 Resp: 81235

Ion Ratio Lower Upper

76 100

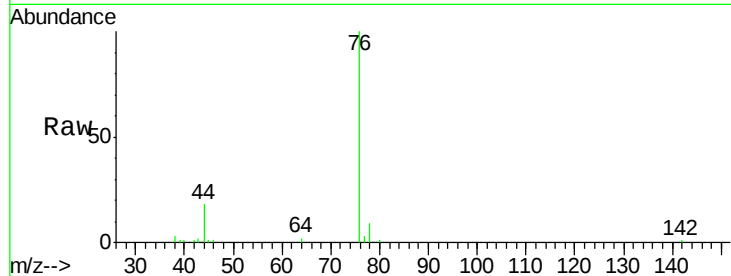
78 8.5 7.7 11.5

Manual Integrations

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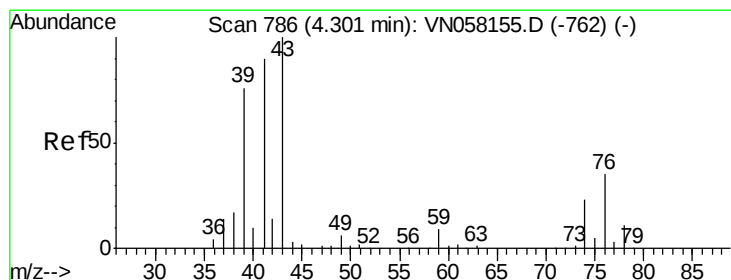
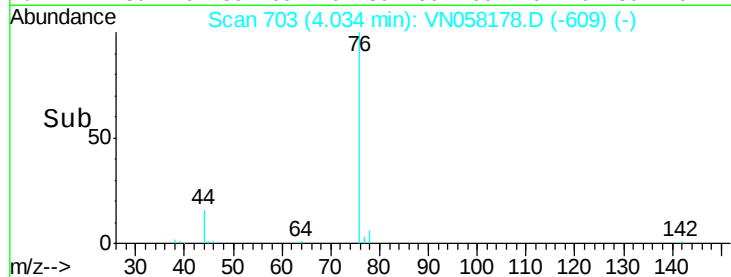
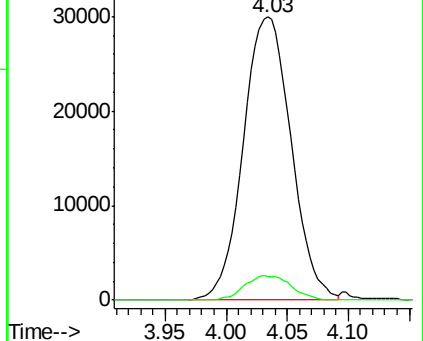
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 20.606 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058178.D

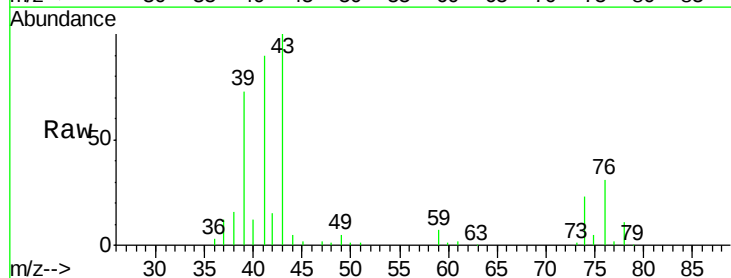
Acq: 18 Sep 2019 21:18

Tgt Ion: 43 Resp: 130752

Ion Ratio Lower Upper

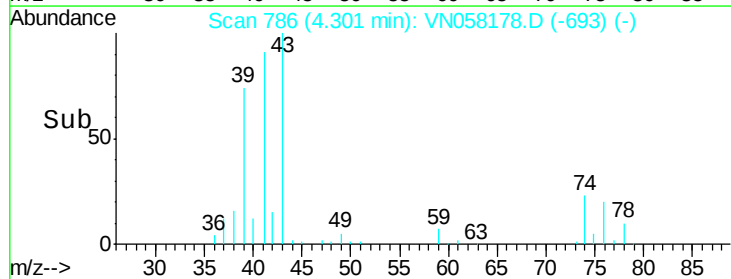
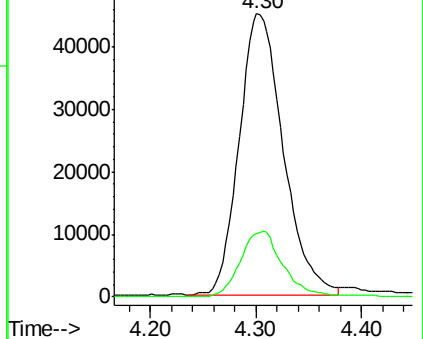
43 100

74 22.3 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





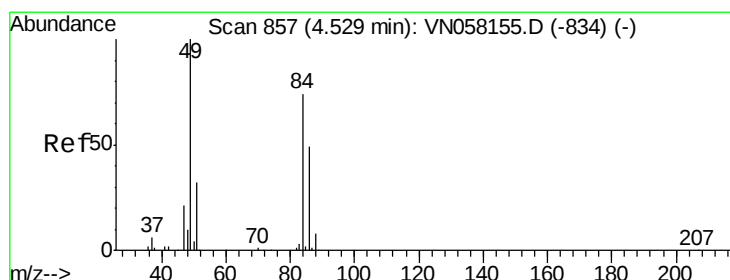
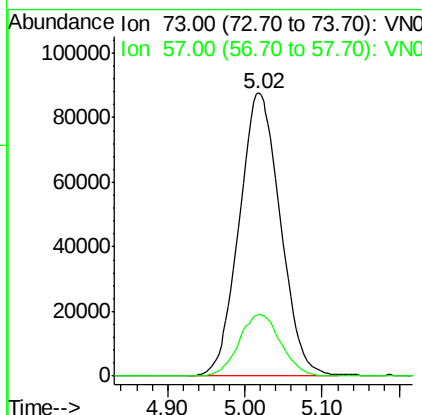
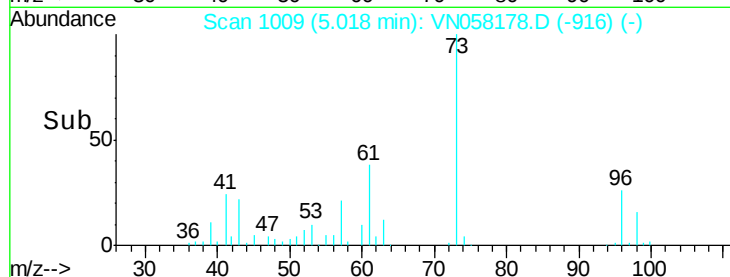
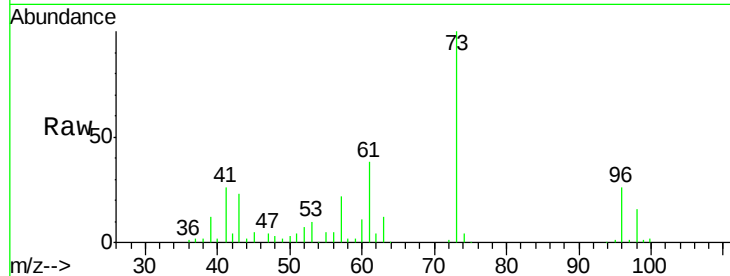
#19
Methvl tert-butvl Ether
Concen: 20.849 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tot Ion: 73 Resp: 324253
Ion Ratio Lower Upper
73 100
57 21.8 18.1 27.1

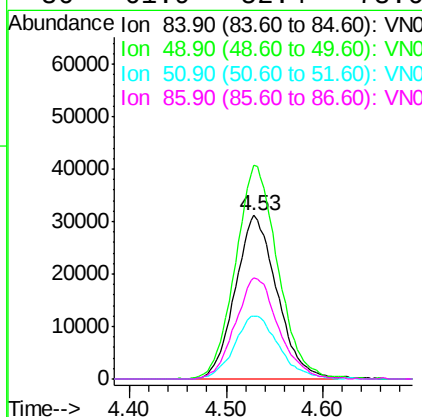
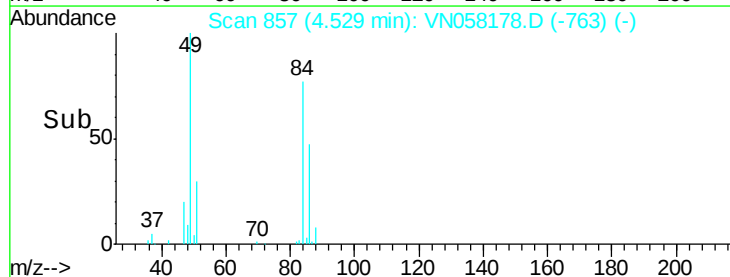
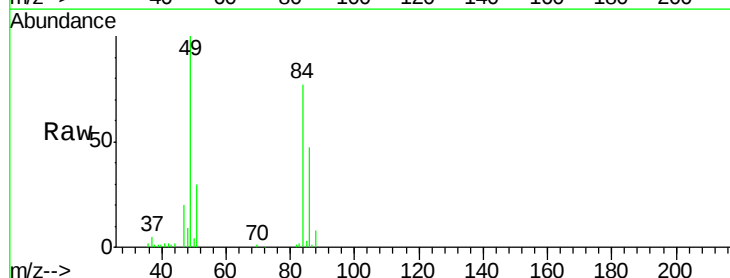
Manual Integrations
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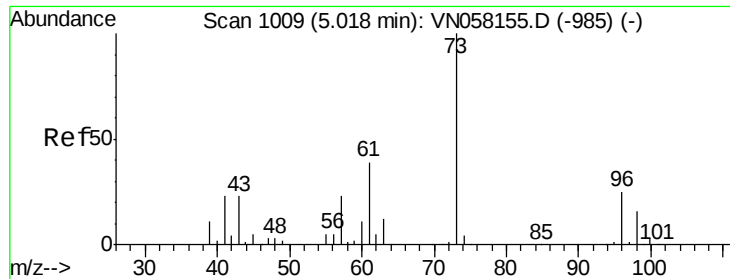
MMDadoda
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#20
Methylene Chloride
Concen: 22.036 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Tgt Ion: 84 Resp: 93559
Ion Ratio Lower Upper
84 100
49 130.5 107.5 161.3
51 38.7 33.9 50.9
86 61.9 52.4 78.6





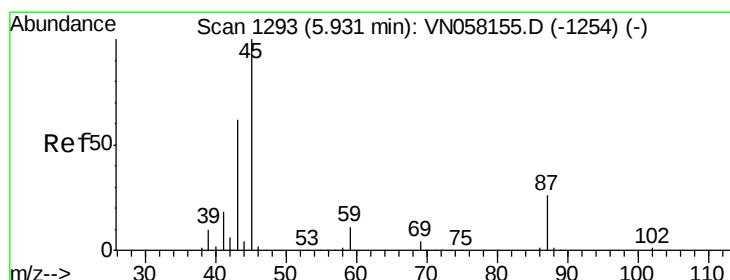
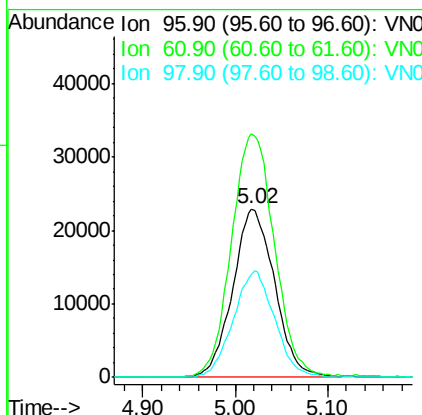
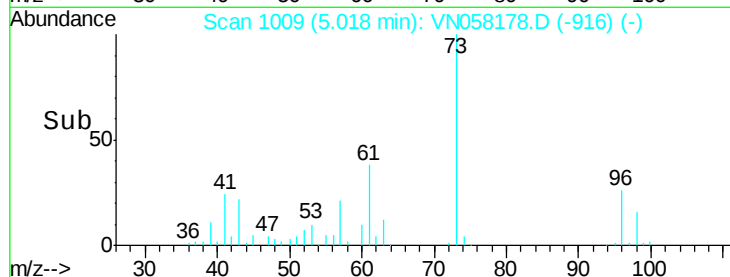
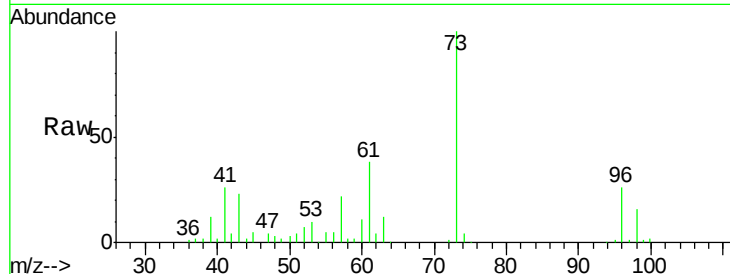
#21
trans-1,2-Dichloroethene
Concen: 20.818 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.6	122.2	183.4
98	61.2	49.9	74.9

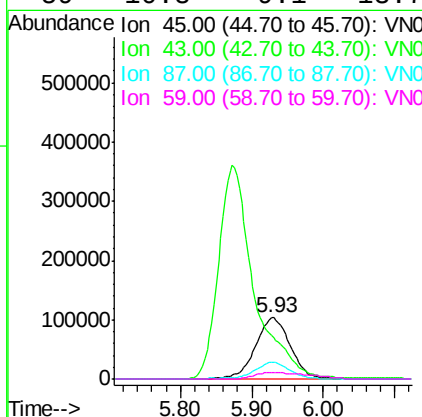
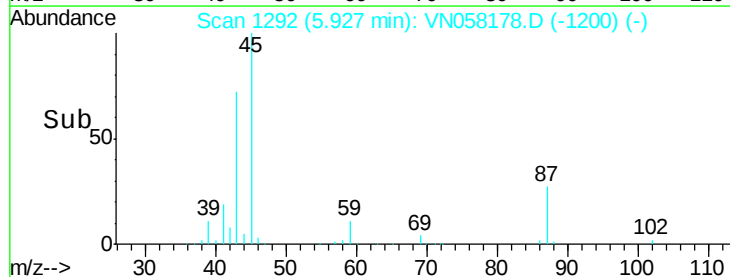
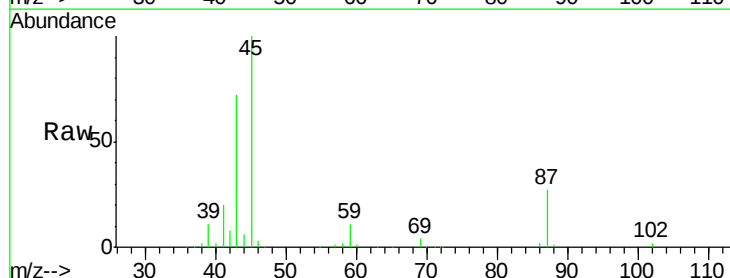
Manual Integrations
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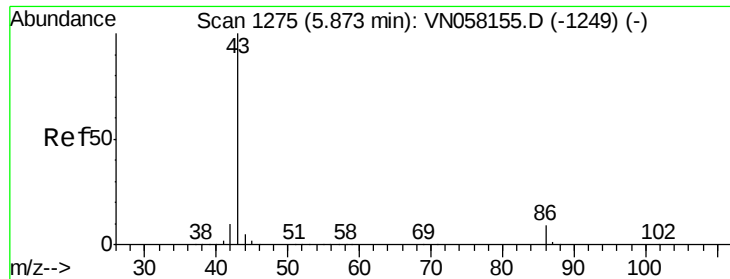
MMDadoda
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#22
Diisopropyl ether
Concen: 20.414 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.1	49.7	74.5
87	27.2	20.7	31.1
59	10.8	9.1	13.7





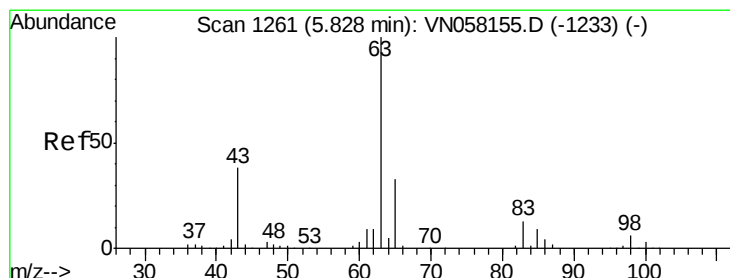
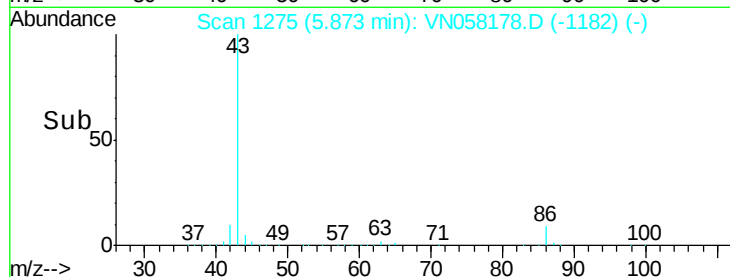
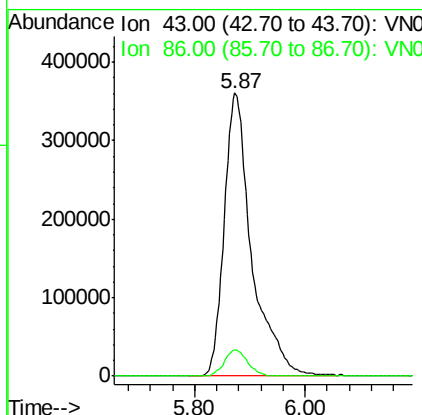
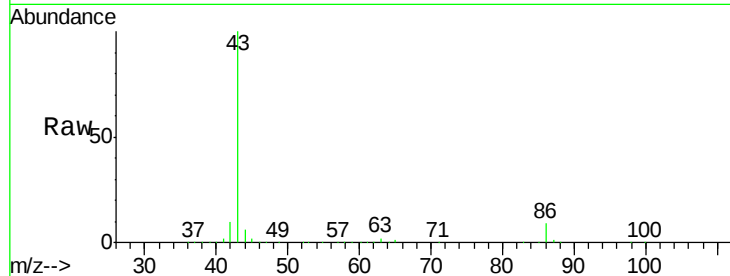
#23
 Vinyl Acetate
 Concen: 106.521 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tot Ion: 43 Resp: 1249284
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.4 11.2

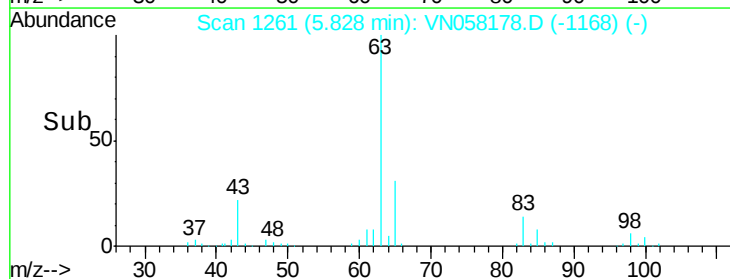
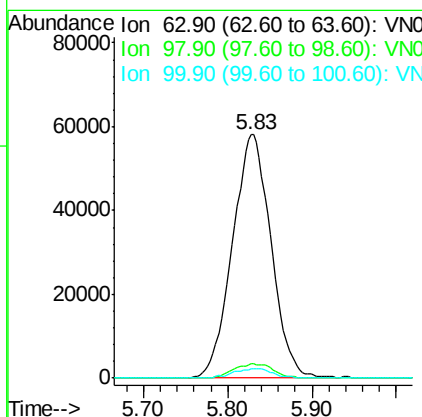
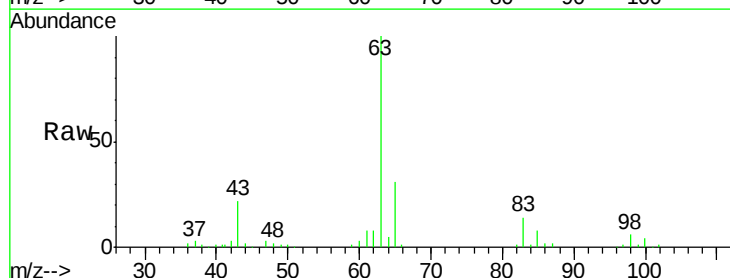
Manual Integrations
 APPROVED

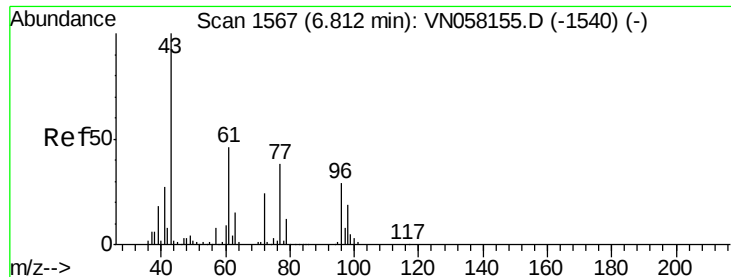
MMDadoda
 9/20/2019 1:44:05 PM



#24
 1,1-Dichloroethane
 Concen: 20.229 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Tgt Ion: 63 Resp: 185053
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.9 8.6
 100 3.7 1.8 5.3





#25

2-Butanone

Concen: 100.374 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD01

Tot Ion: 43 Resp: 329761

Ion Ratio Lower Upper

43 100

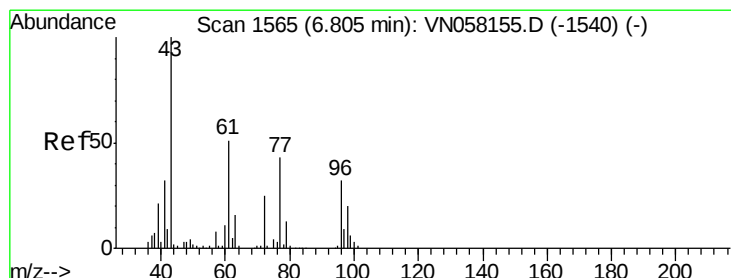
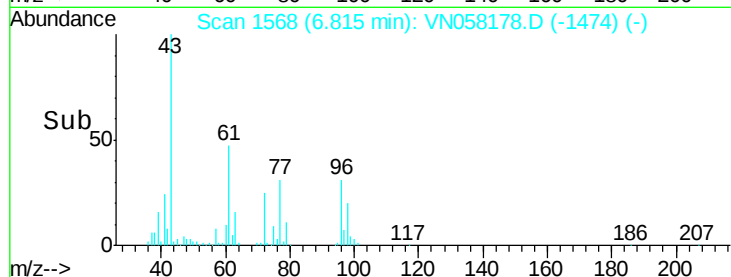
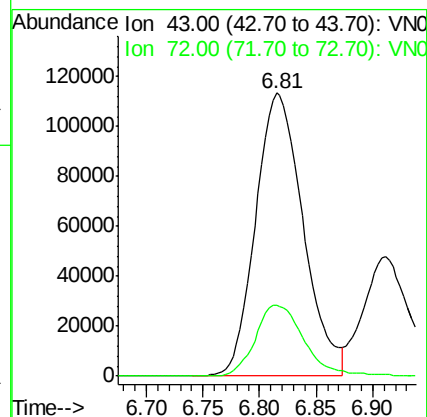
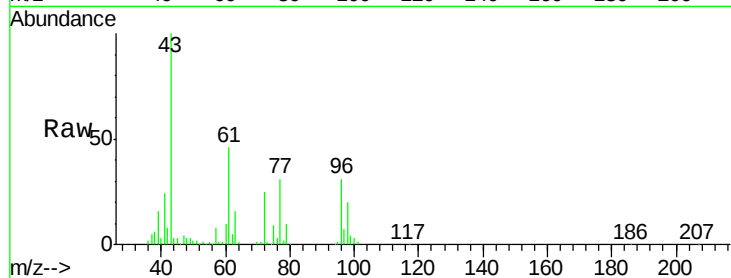
72 25.1 19.5 29.3

Manual Integrations

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MMDadoda

9/20/2019 1:44:05 PM



#26

2,2-Dichloropropane

Concen: 15.993 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058178.D

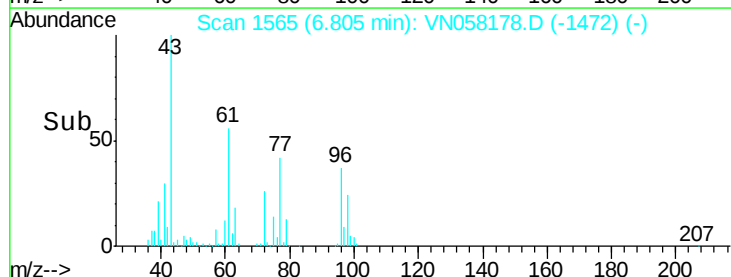
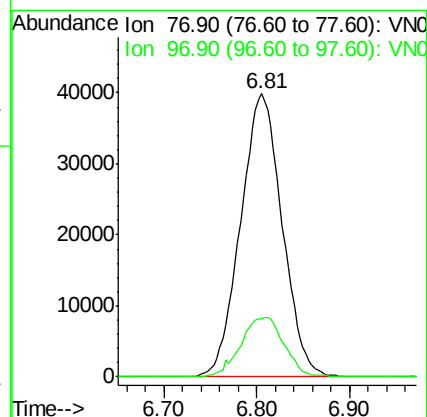
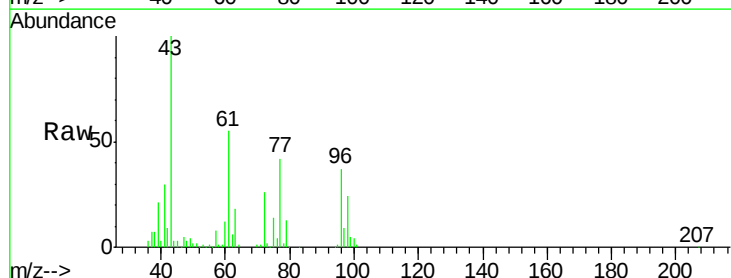
Acq: 18 Sep 2019 21:18

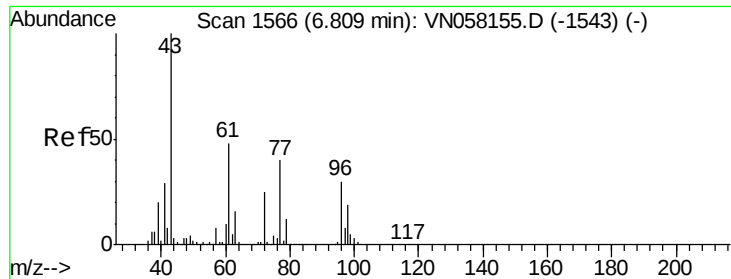
Tgt Ion: 77 Resp: 124117

Ion Ratio Lower Upper

77 100

97 22.0 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 20.350 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Instrument :

MSVOA_N

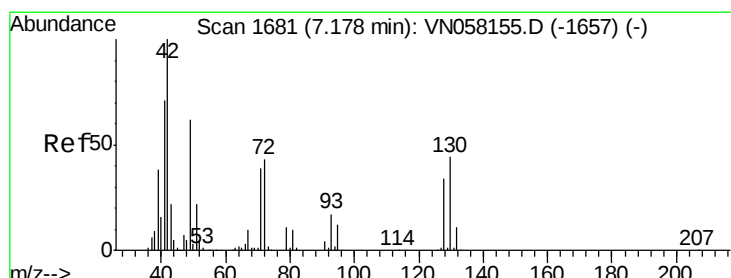
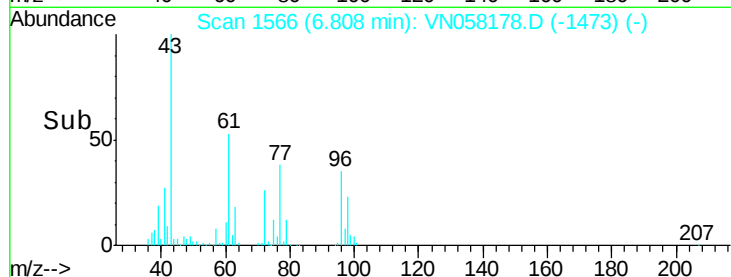
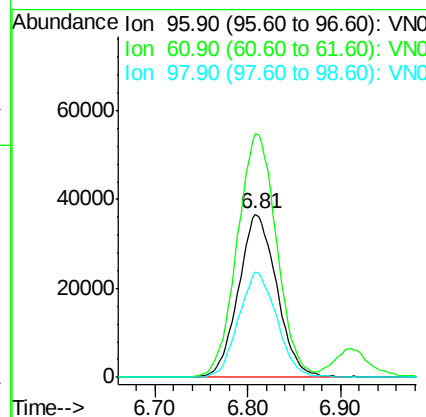
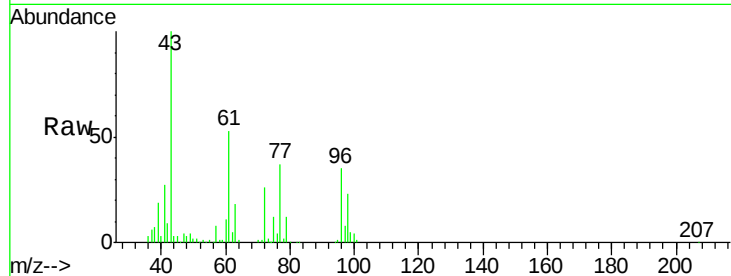
ClientSampled :

VN0918WBSD01

Tot Ion:	96	Resp:	105262
Ion Ratio	Lower	Upper	
96	100		
61	153.3	0.0	319.0
98	63.9	0.0	126.6

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#28

Bromochloromethane

Concen: 21.257 ug/l

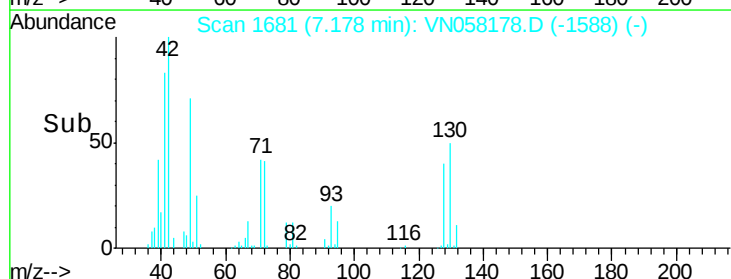
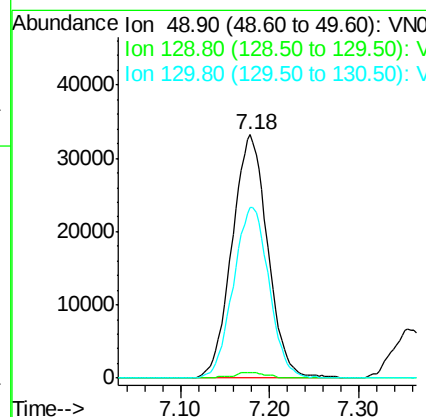
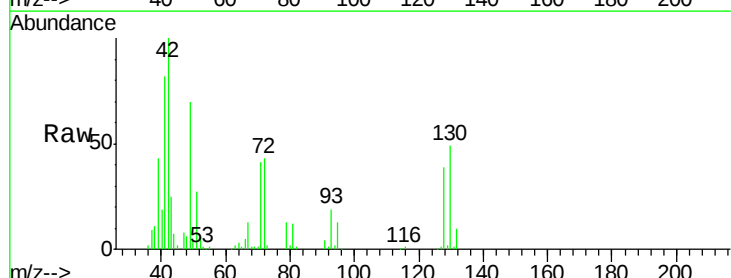
RT: 7.18 min Scan# 1681

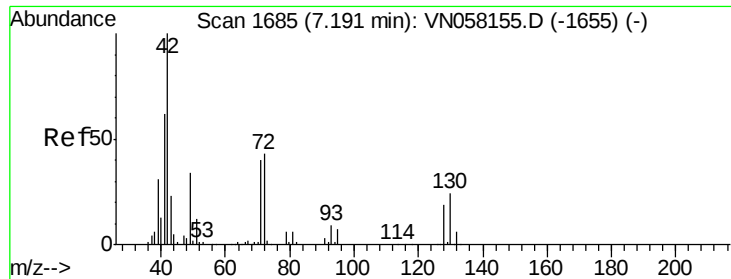
Delta R.T. -0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Tgt Ion:	49	Resp:	91992
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	1.8#
130	70.0	55.4	83.2





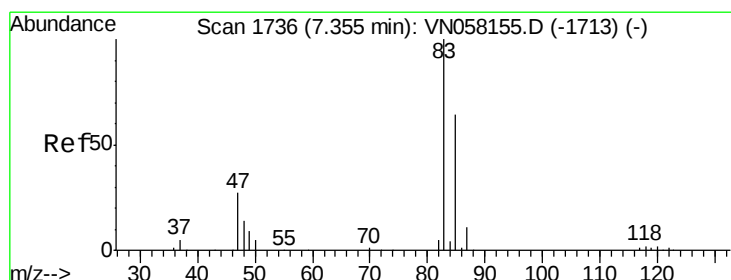
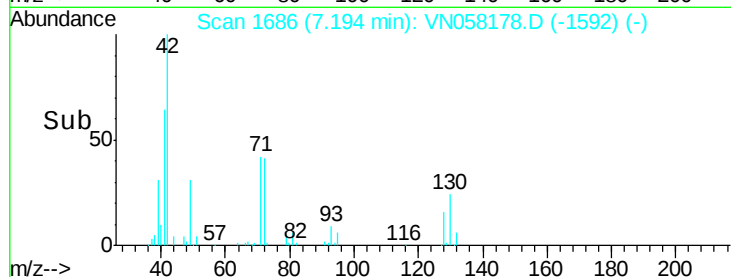
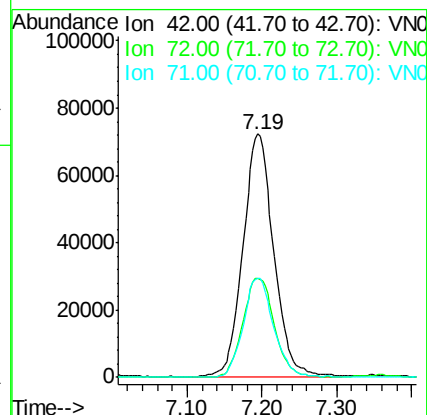
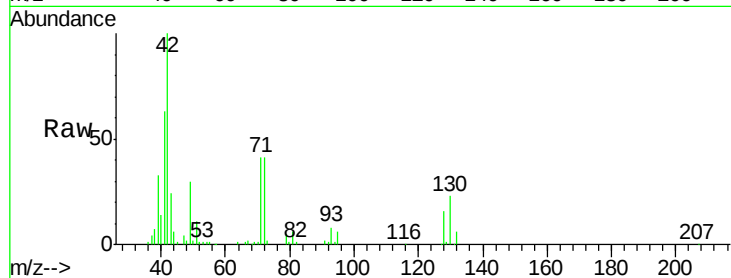
#29
Tetrahydrofuran
Concen: 102.754 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.8	50.6
71	40.0	31.4	47.0

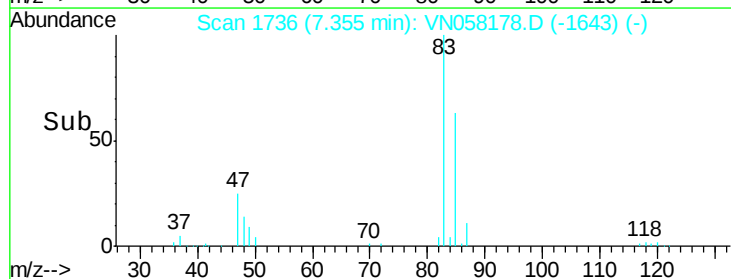
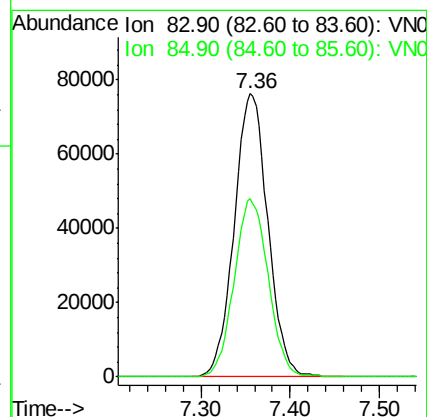
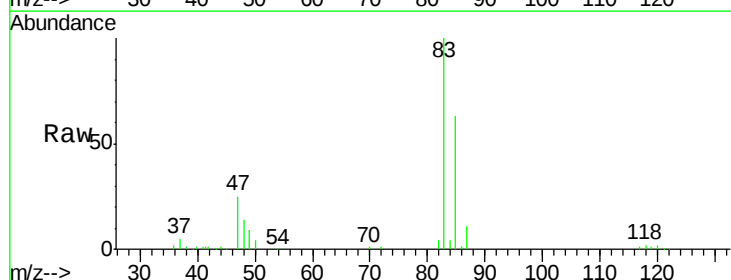
Manual Integrations
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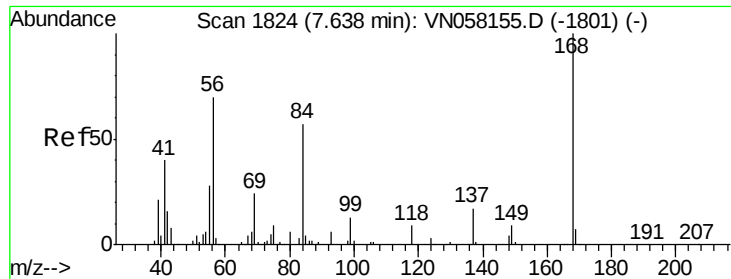
MMDadoda
9/20/2019 1:44:05 PM



#30
Chloroform
Concen: 20.264 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.4	77.2





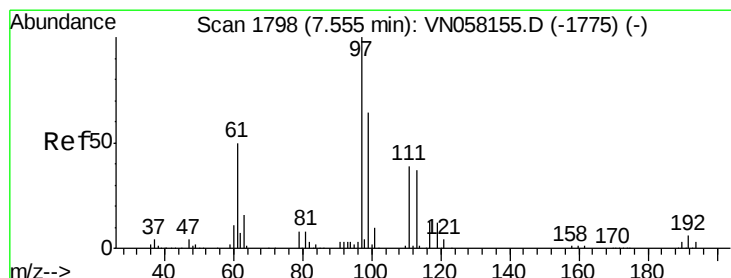
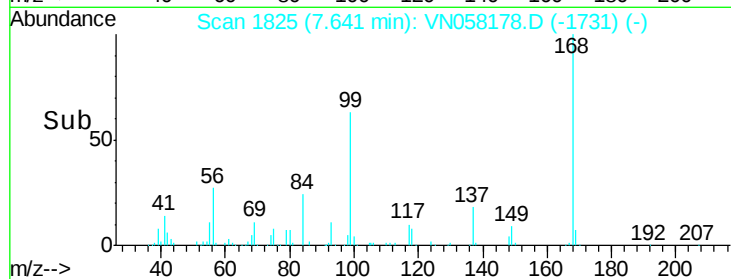
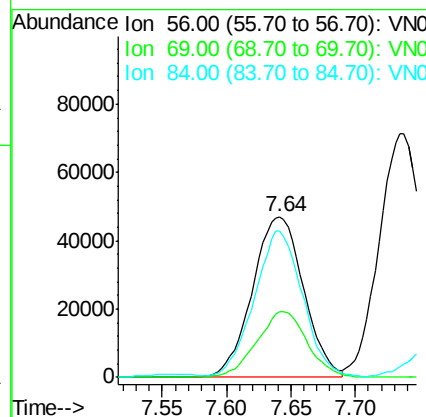
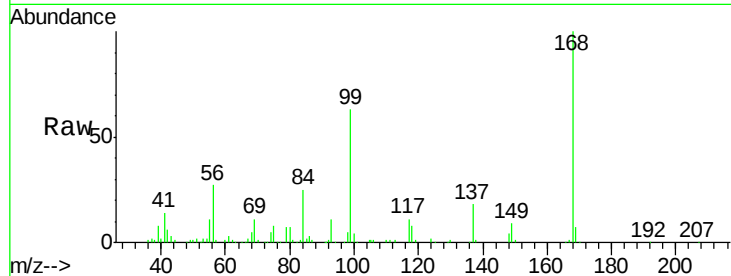
#31
Cyclohexane
Concen: 20.512 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		129709		
69	40.7	27.3		40.9	
84	89.6	65.0		97.4	

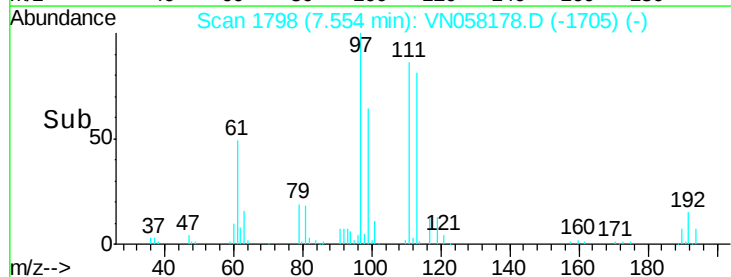
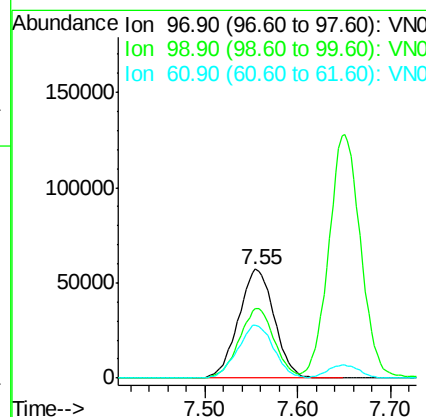
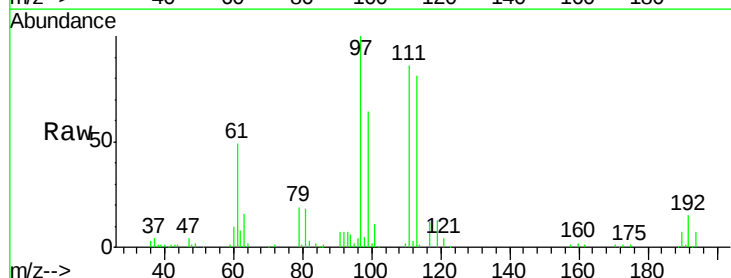
Manual Integrations
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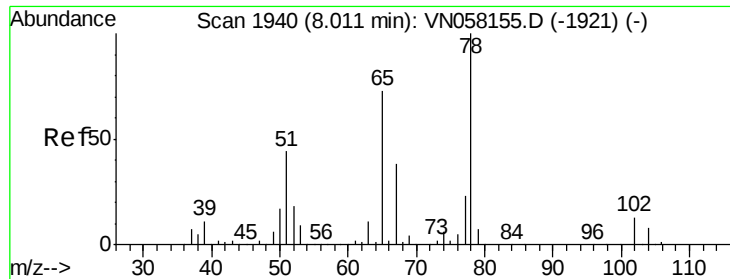
MMDadoda
9/20/2019 1:44:05 PM



#32
1,1,1-Trichloroethane
Concen: 20.365 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		152659		
99	63.0	50.9		76.3	
61	49.2	39.2		58.8	





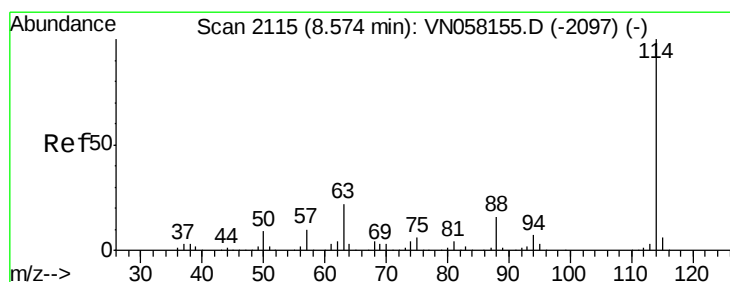
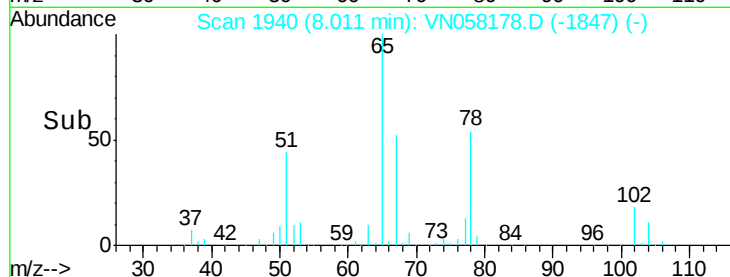
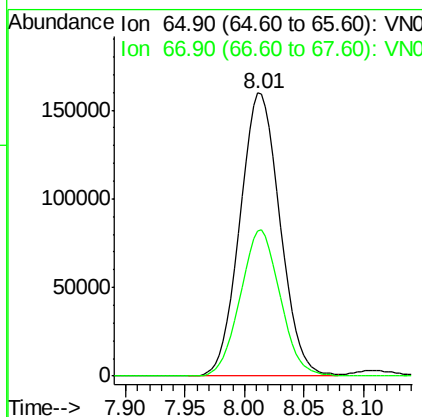
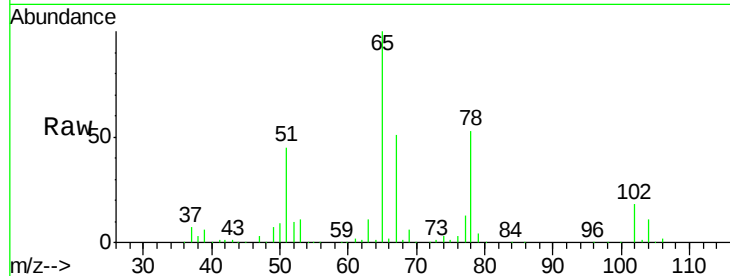
#33
 1,2-Dichloroethane-d4
 Concen: 52.551 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0918WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	373334		
67	51.4	0.0	103.4	

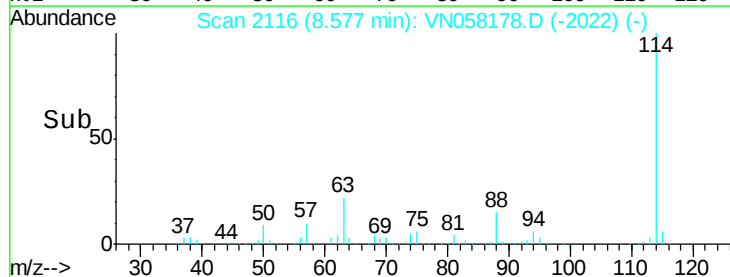
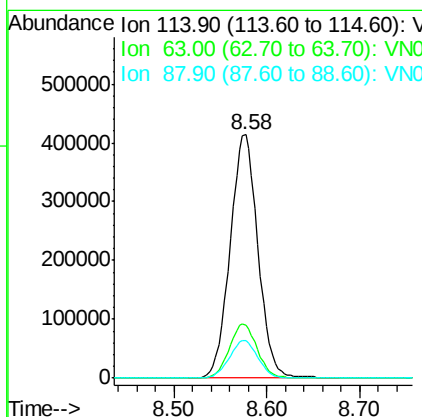
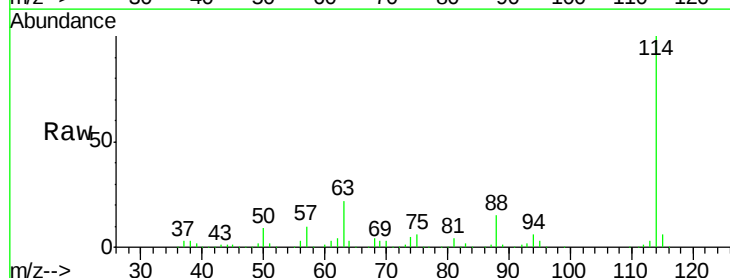
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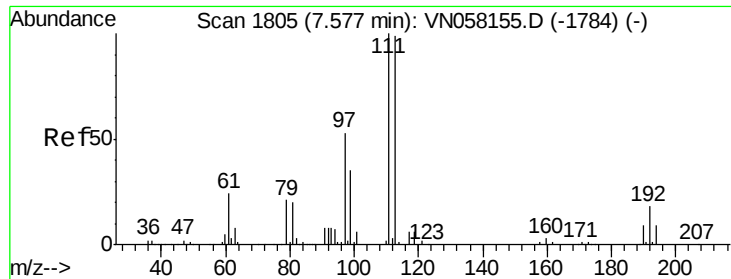
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	861529		
63	21.8	0.0	44.2	
88	15.5	0.0	31.6	





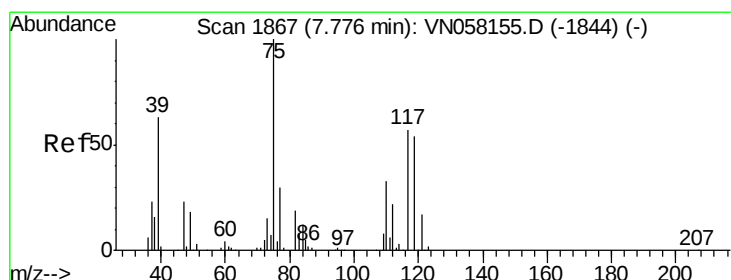
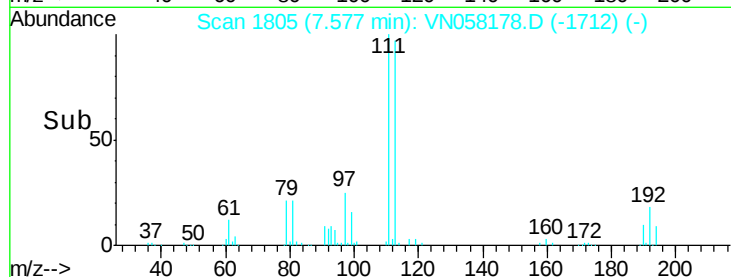
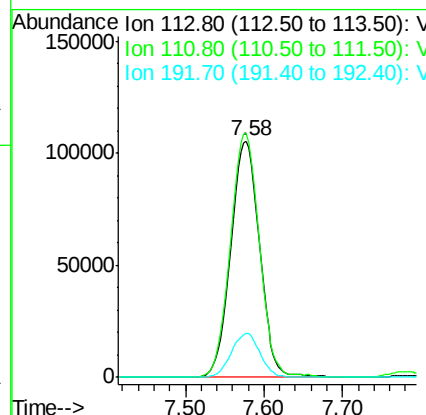
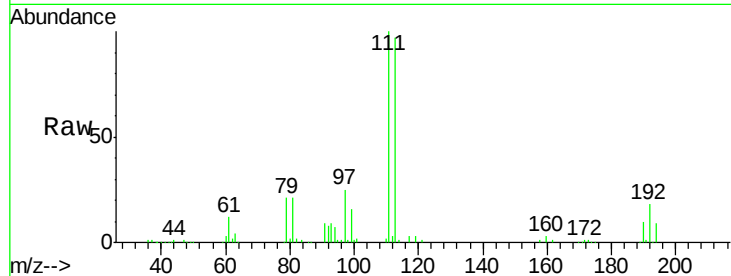
#35
 Dibromofluoromethane
 Concen: 51.217 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	268242		
111	102.6	81.8	122.6	
192	18.6	14.5	21.7	

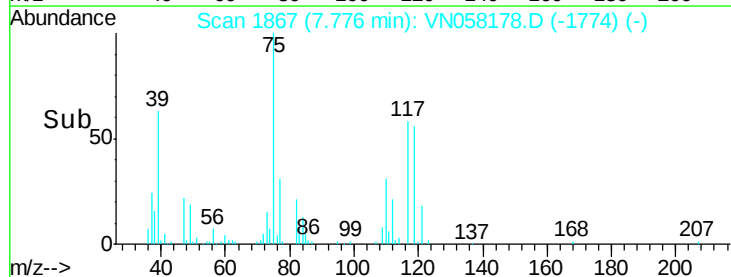
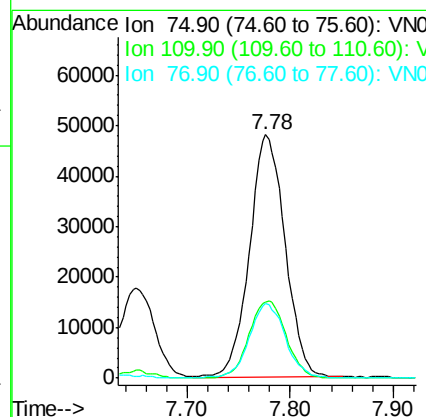
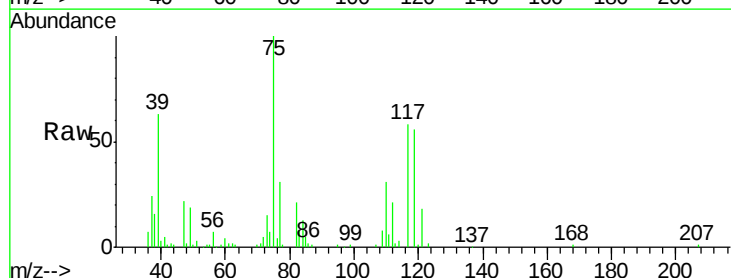
Manual Integrations
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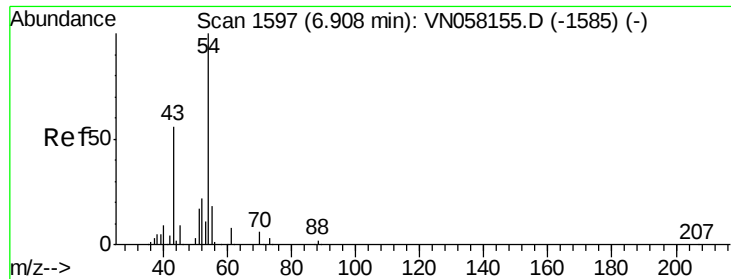
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#36
 1,1-Dichloropropene
 Concen: 18.537 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	115170		
110	32.8	16.6	49.7	
77	31.3	24.3	36.5	





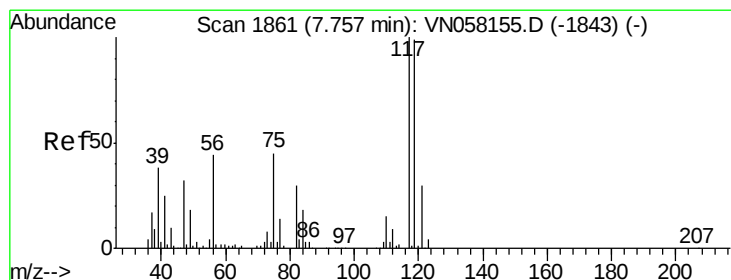
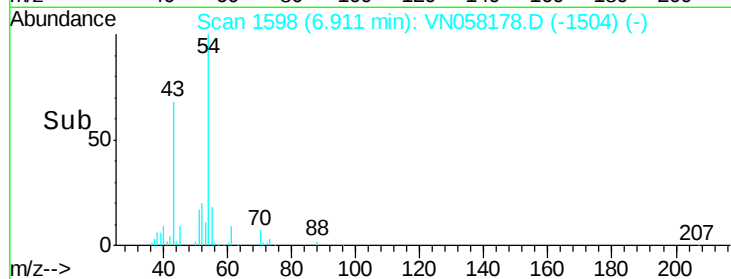
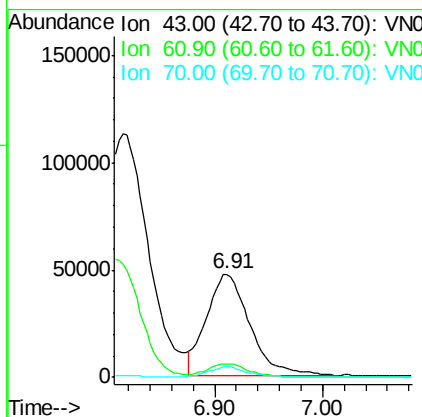
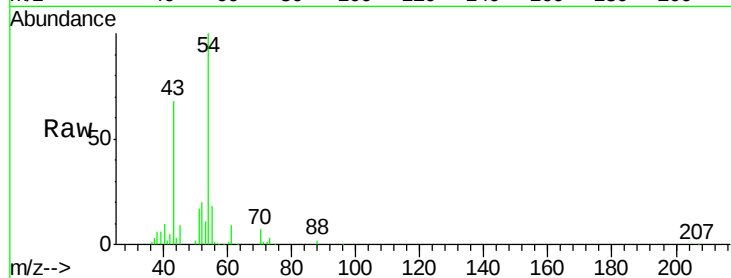
#37
Ethyl Acetate
Concen: 20.530 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.7	16.1
70	9.8	7.6	11.4

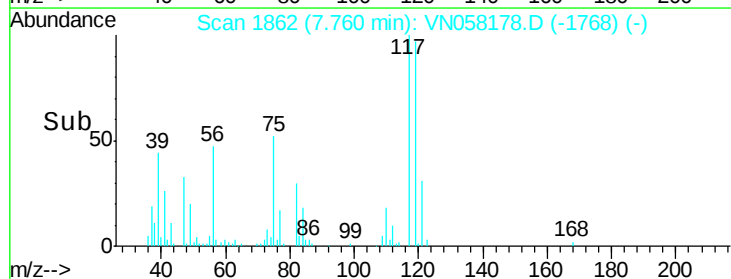
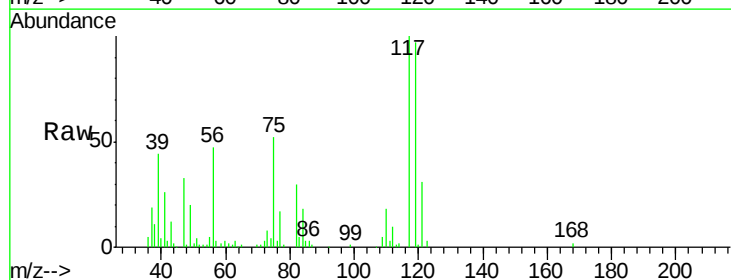
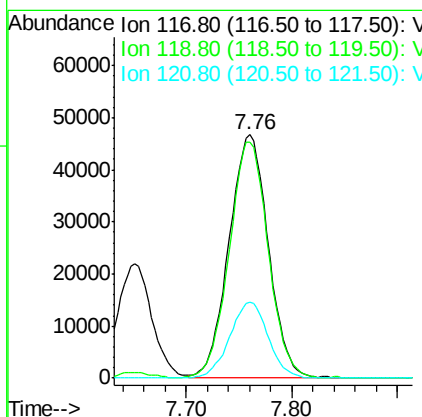
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#38
Carbon Tetrachloride
Concen: 19.344 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	78.6	117.8
121	31.2	24.1	36.1





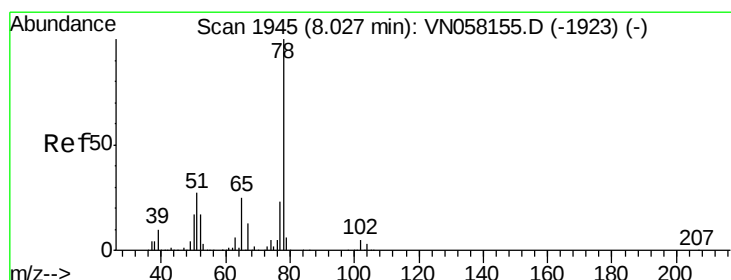
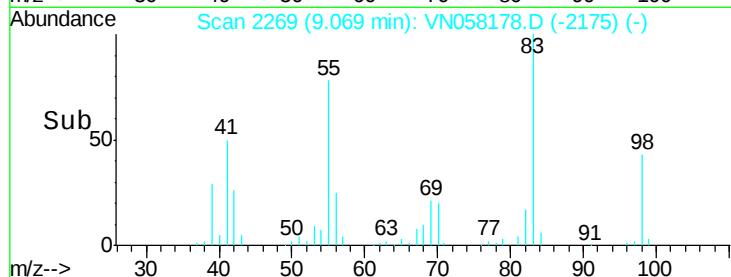
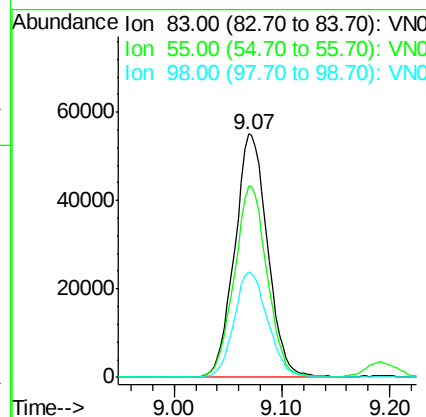
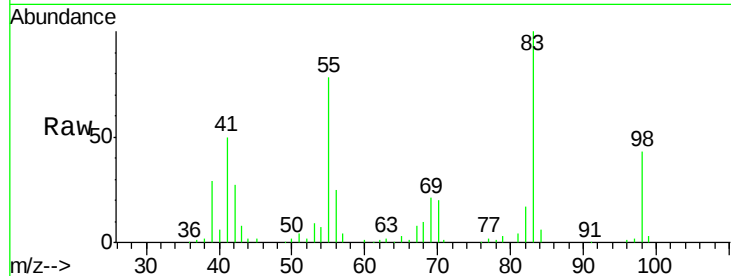
#39
Methvlcvclohexane
Concen: 19.528 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.5	61.9	92.9	
98	43.0	35.4	53.2	

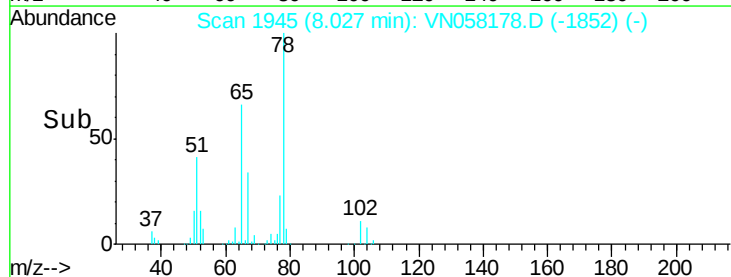
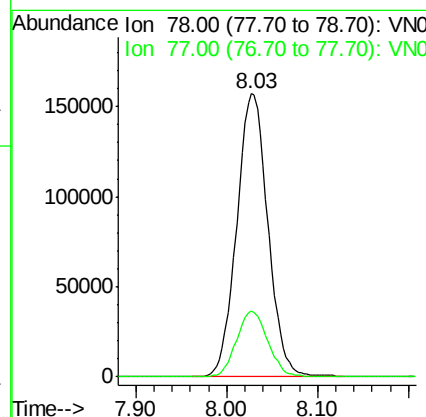
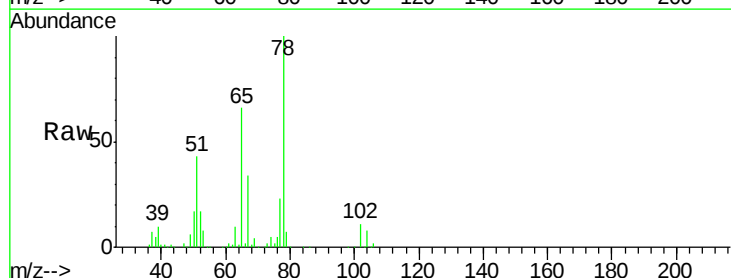
Manual Integrations
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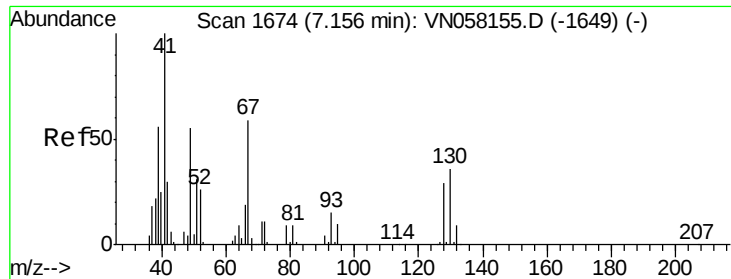
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#40
Benzene
Concen: 19.712 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.1	18.8	28.2	





#41

Methacrylonitrile

Concen: 19.912 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD01

Tot Ion: 41 Resp: 62865

Ion Ratio Lower Upper

41 100

39 58.6 0.0 0.0#

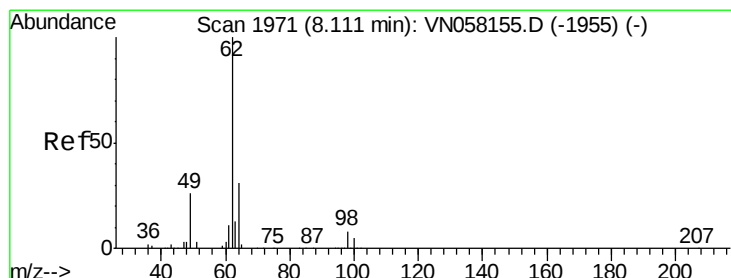
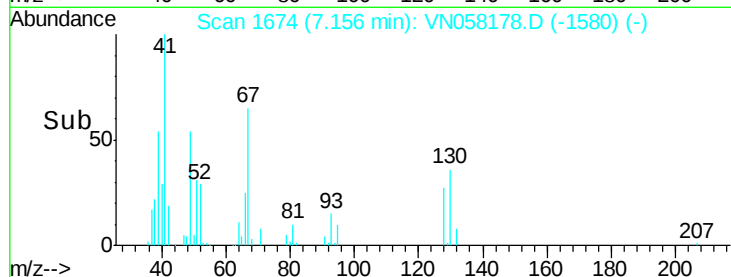
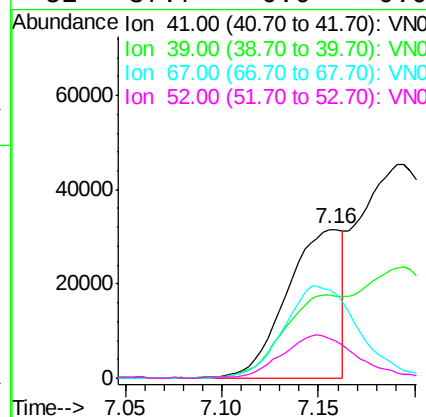
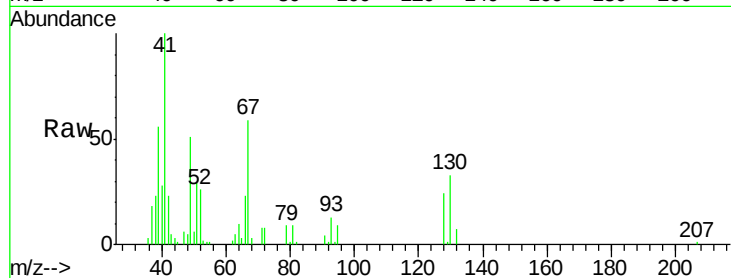
67 86.4 0.0 0.0#

52 37.7 0.0 0.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.882 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN058178.D

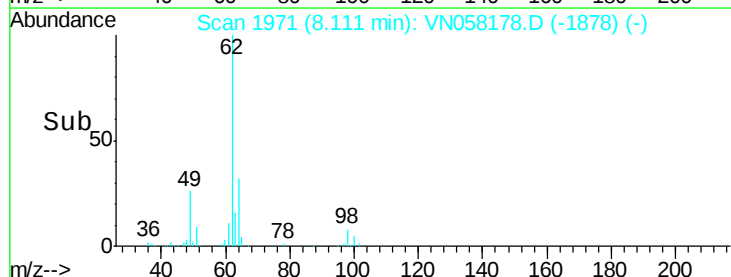
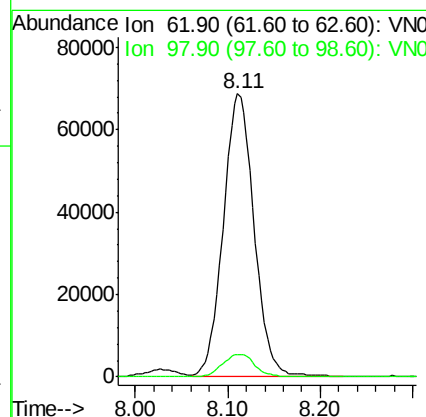
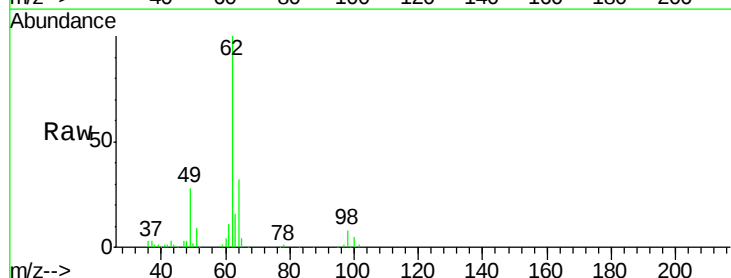
Acq: 18 Sep 2019 21:18

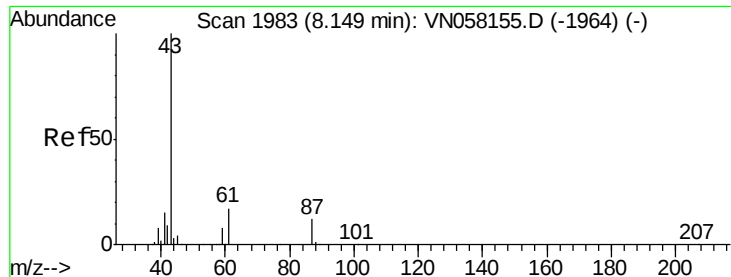
Tgt Ion: 62 Resp: 158313

Ion Ratio Lower Upper

62 100

98 8.2 0.0 15.6





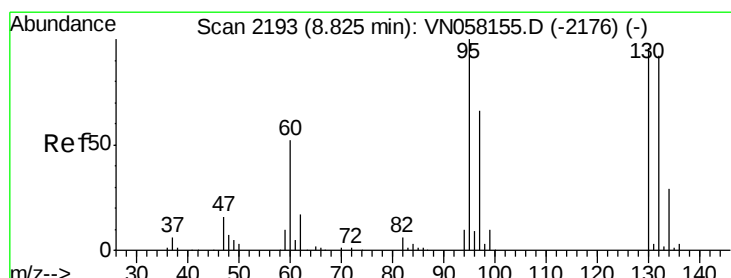
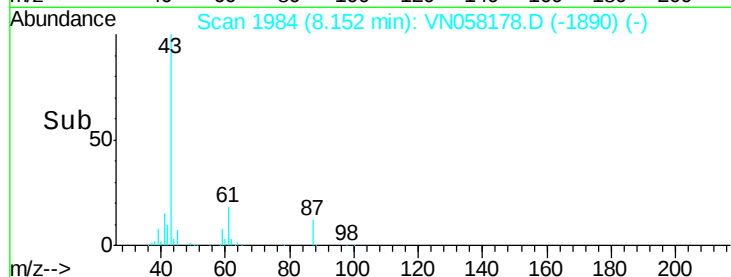
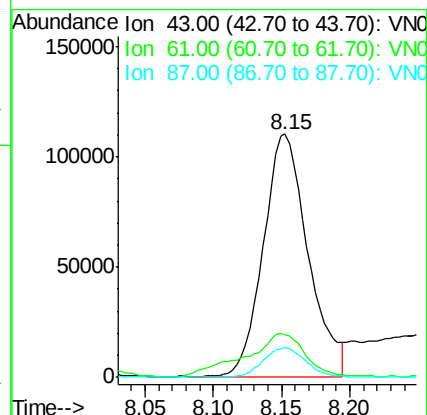
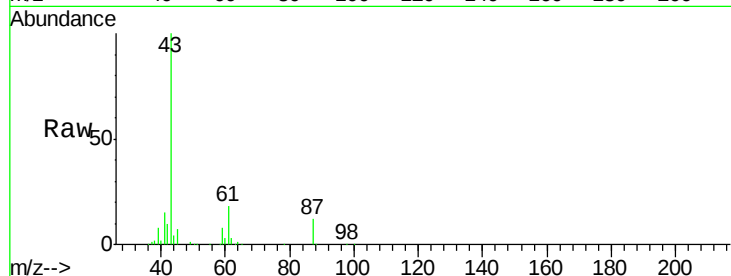
#43
Isopropyl Acetate
Concen: 20.835 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.0	19.7	29.5
87	11.7	9.4	14.2

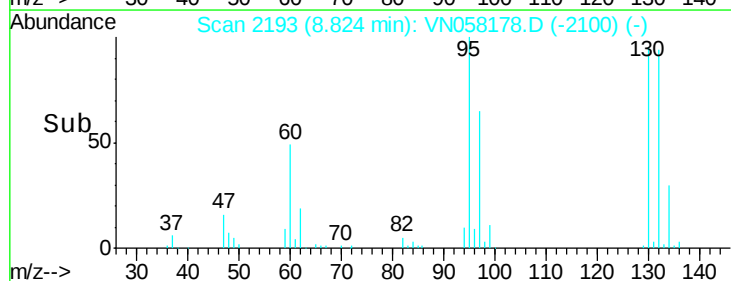
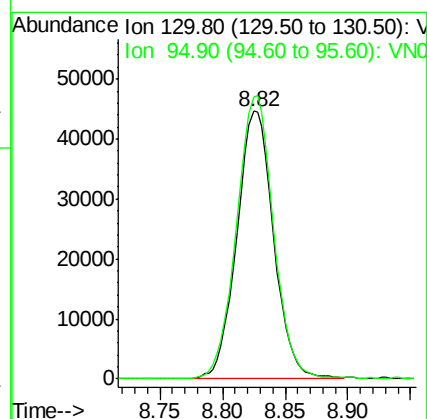
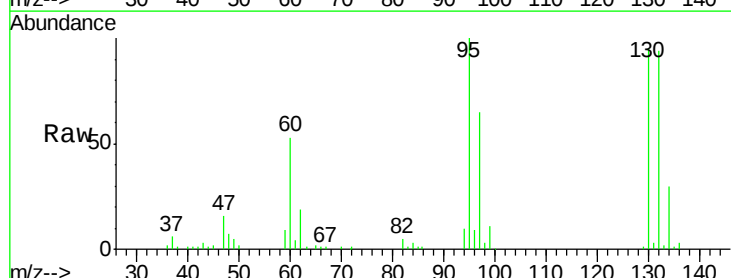
Manual Integrations
APPROVED

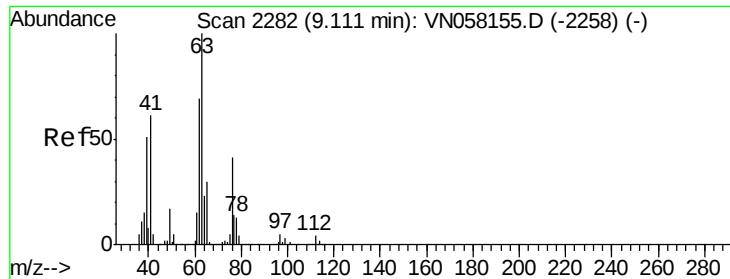
MMDadoda
9/20/2019 1:44:05 PM



#44
Trichloroethene
Concen: 19.602 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	207.8





#45

1,2-Dichloropropane

Concen: 20.232 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD01

Tot Ion: 63 Resp: 114656

Ion Ratio Lower Upper

63 100

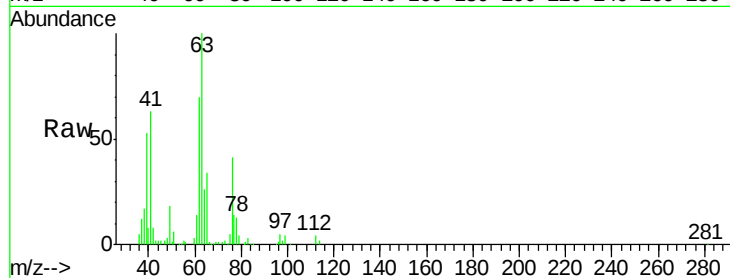
65 33.5 23.8 35.6

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.11

60000

50000

40000

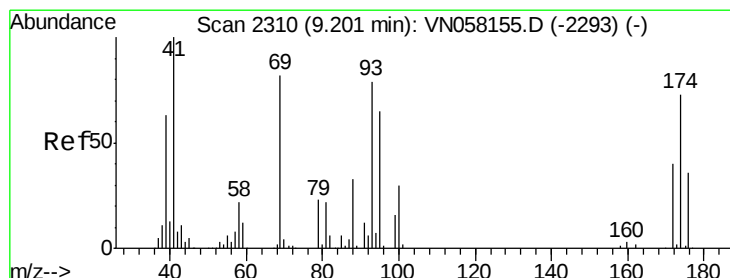
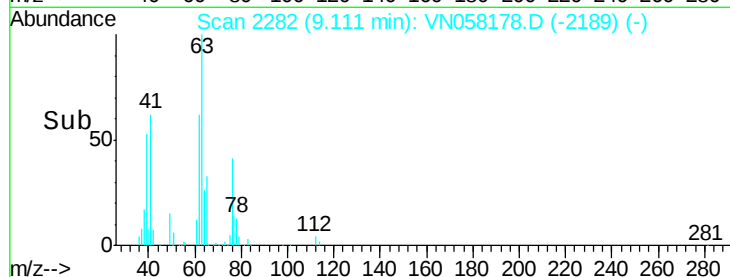
30000

20000

10000

0

Time-->



#46

Dibromomethane

Concen: 20.331 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

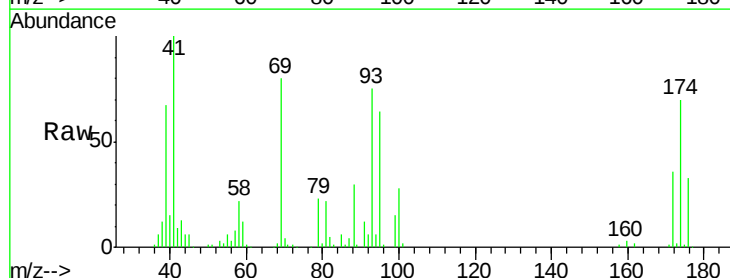
Tgt Ion: 93 Resp: 70051

Ion Ratio Lower Upper

93 100

95 83.1 66.8 100.2

174 91.1 73.8 110.8



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.20

40000

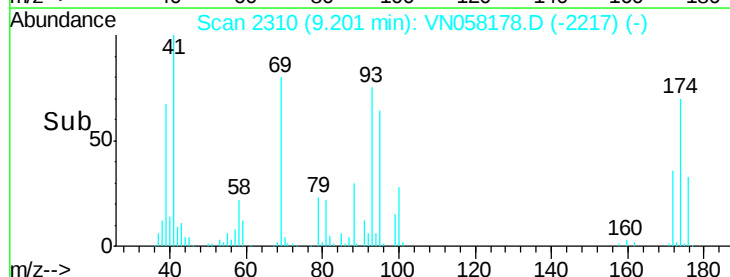
30000

20000

10000

0

Time-->





#47

Bromodichloromethane

Concen: 20.132 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Instrument :

MSVOA_N

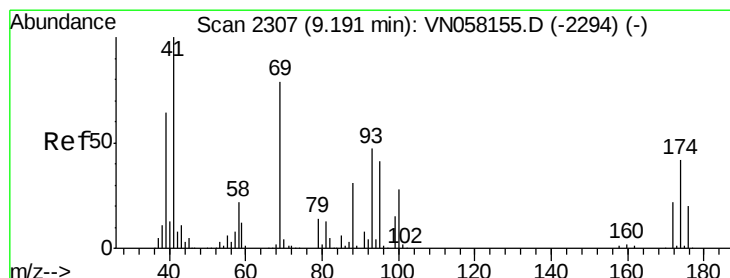
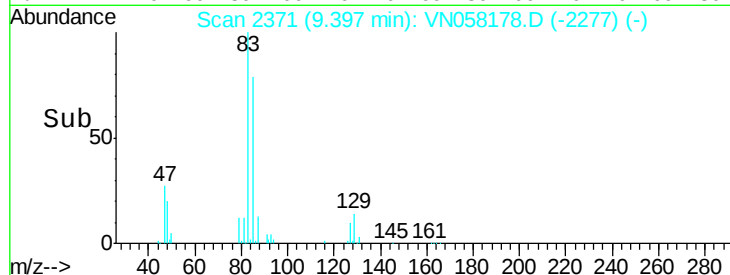
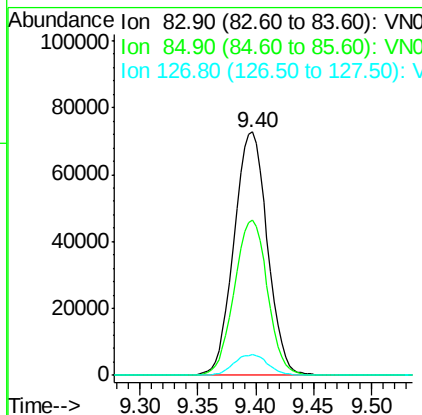
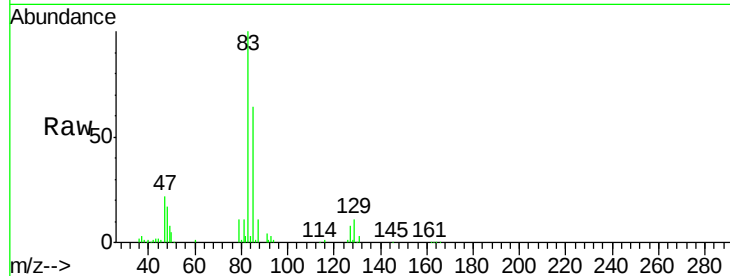
ClientSampleId :

VN0918WBSD01

Tot Ion:	83	Resp:	145315
Ion Ratio	Lower	Upper	
83	100		
85	63.8	50.1	75.1
127	8.4	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.292 ug/l

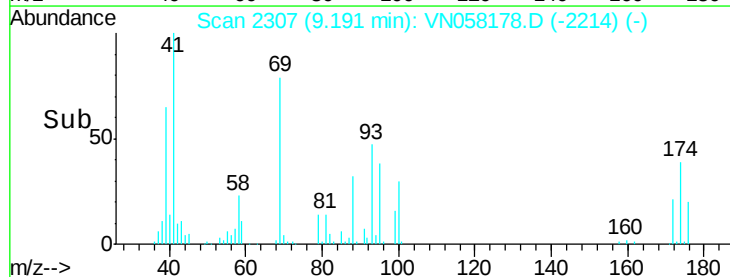
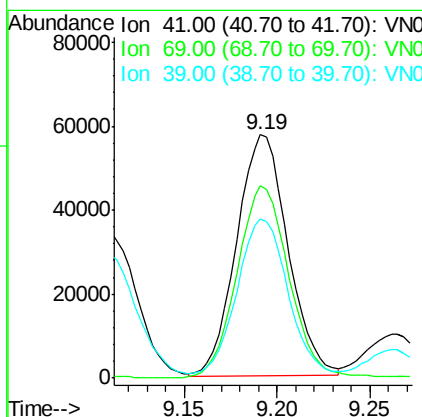
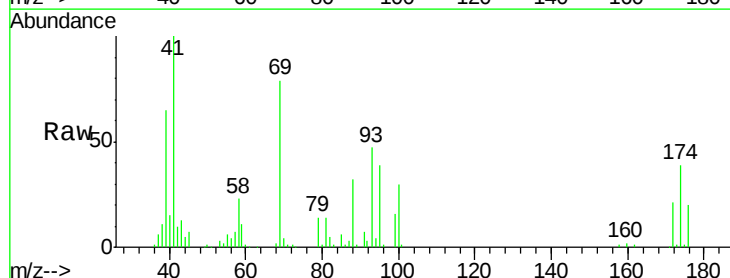
RT: 9.19 min Scan# 2307

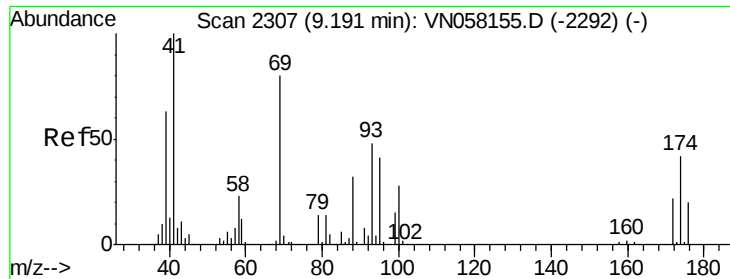
Delta R.T. -0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Tgt Ion:	41	Resp:	110943
Ion Ratio	Lower	Upper	
41	100		
69	81.2	62.5	93.7
39	66.1	52.3	78.5





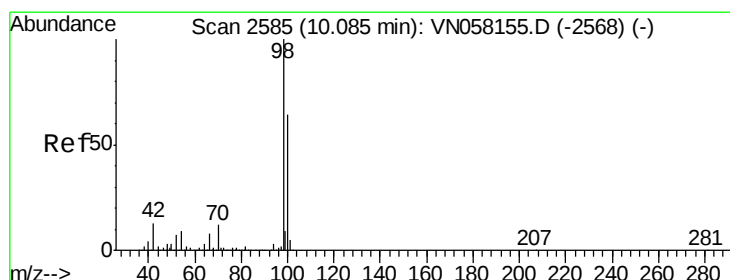
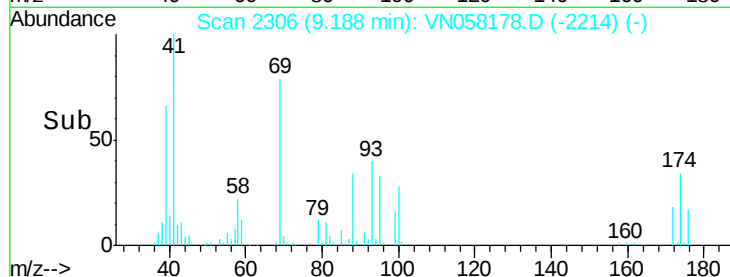
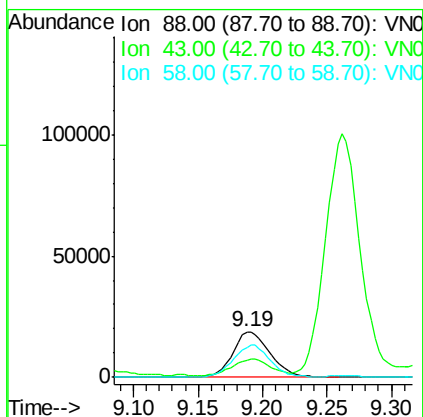
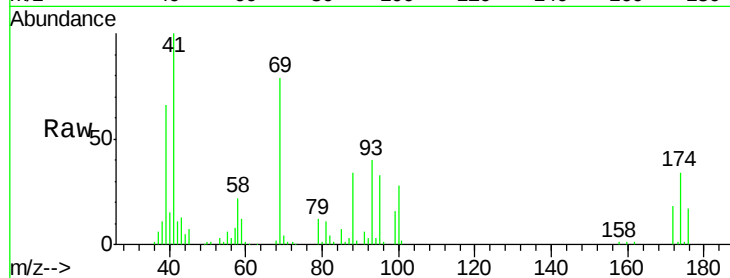
#49
 1,4-Dioxane
 Concen: 422.494 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	27.8	41.8
58	70.3	55.0	82.4

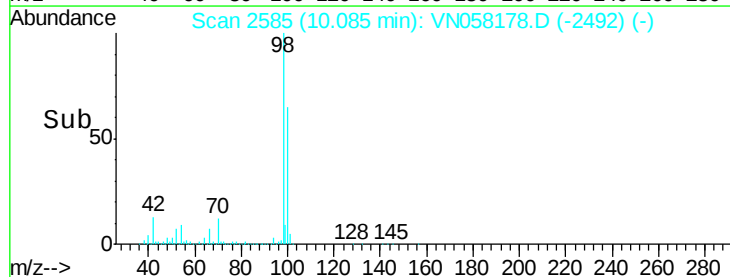
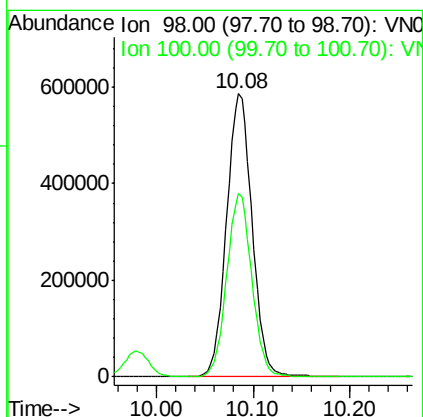
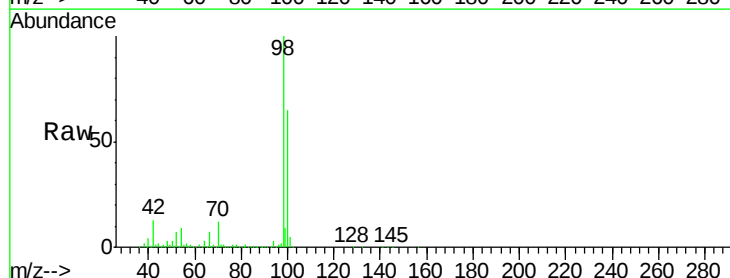
Manual Integrations
 APPROVED

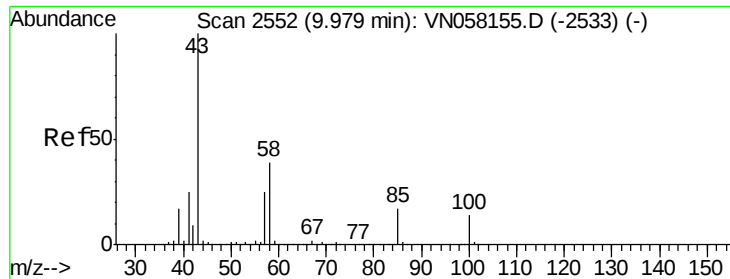
MMDadoda
 9/20/2019 1:44:05 PM



#50
 Toluene-d8
 Concen: 52.773 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 115.189 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD01

Tot Ion: 43 Resp: 736750

Ion Ratio Lower Upper

43 100

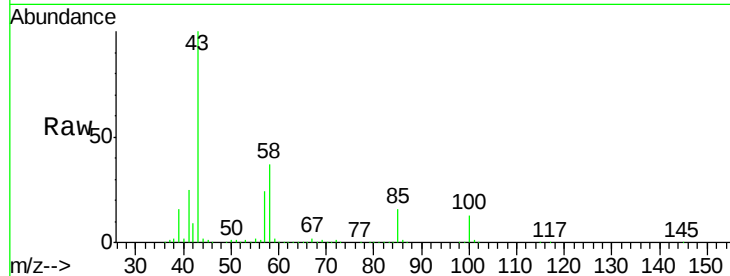
58 36.9 30.2 45.4

Manual Integrations

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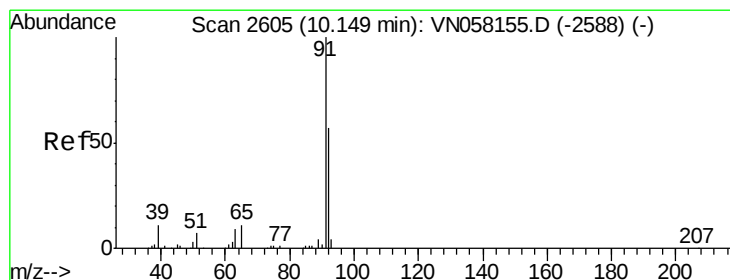
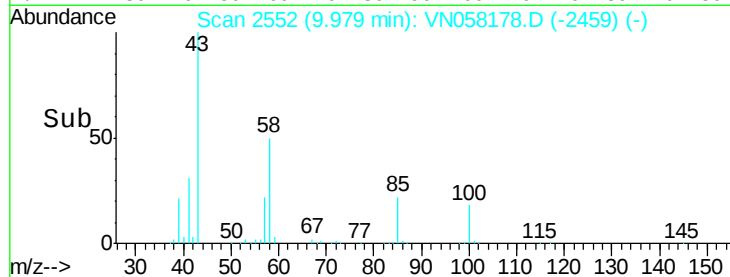
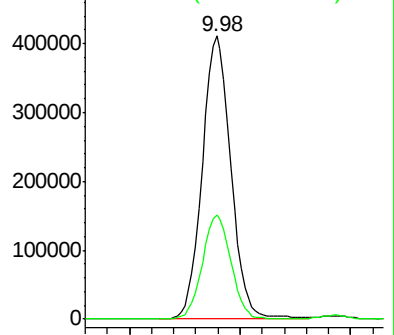
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.974 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058178.D

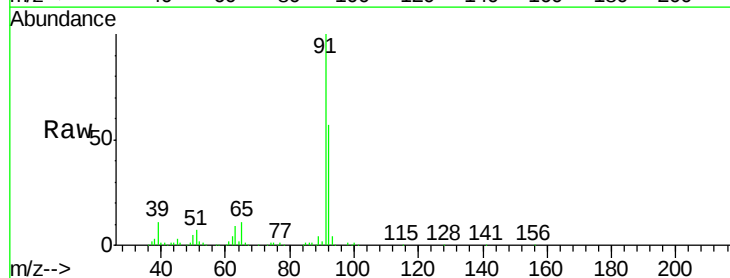
Acq: 18 Sep 2019 21:18

Tgt Ion: 92 Resp: 237547

Ion Ratio Lower Upper

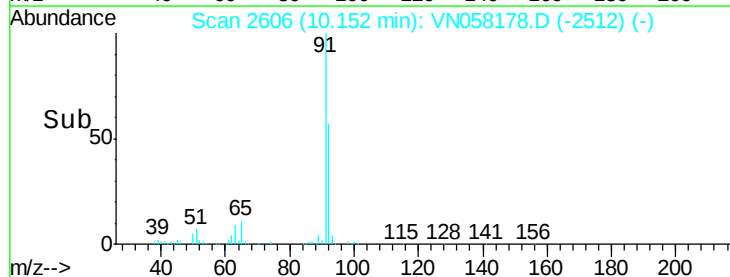
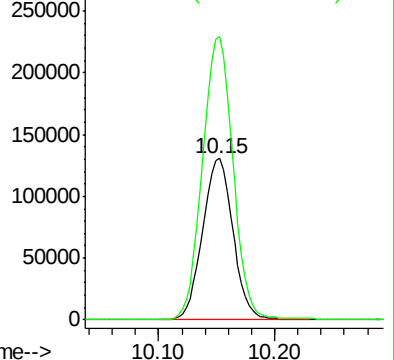
92 100

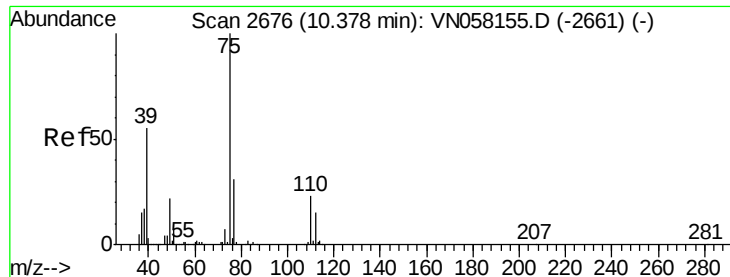
91 175.5 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.930 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD01

Tot Ion: 75 Resp: 147361

Ion Ratio Lower Upper

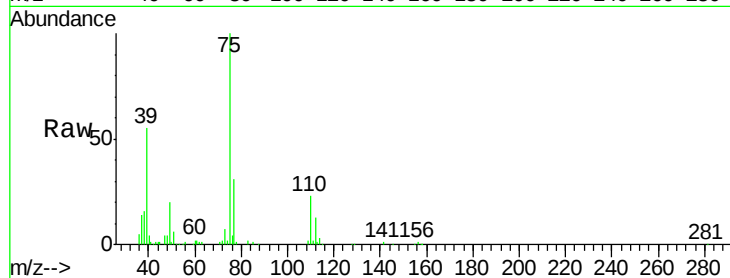
75 100

77 30.2 24.9 37.3

Manual Integrations
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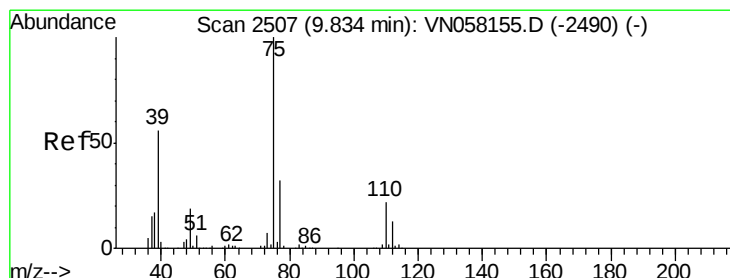
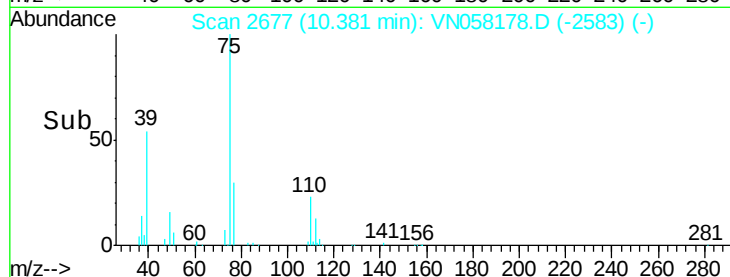
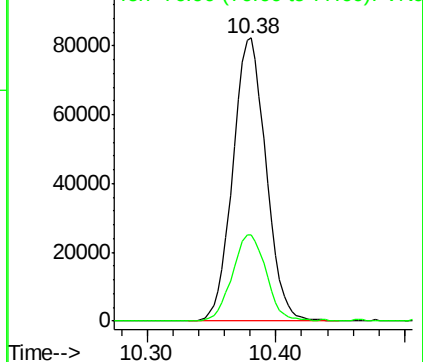
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.165 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

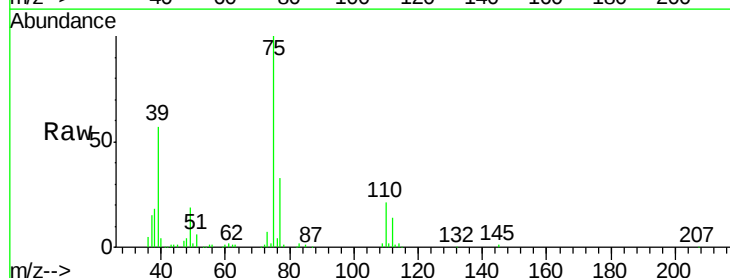
Tgt Ion: 75 Resp: 156453

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.0

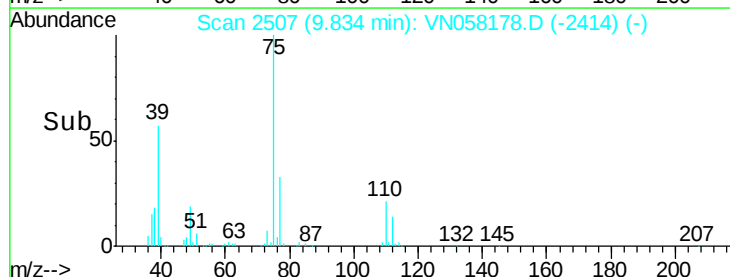
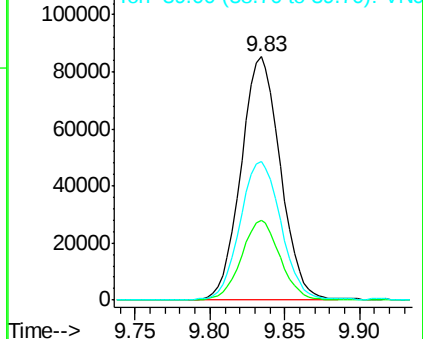
39 56.6 45.0 67.6

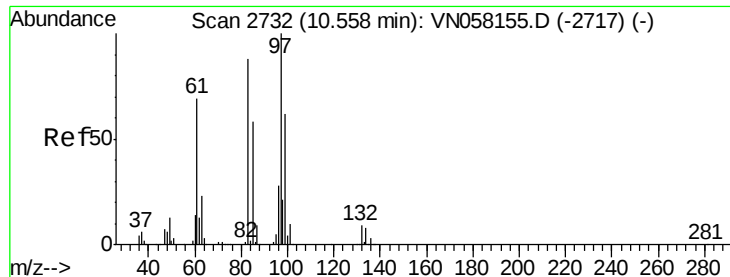


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





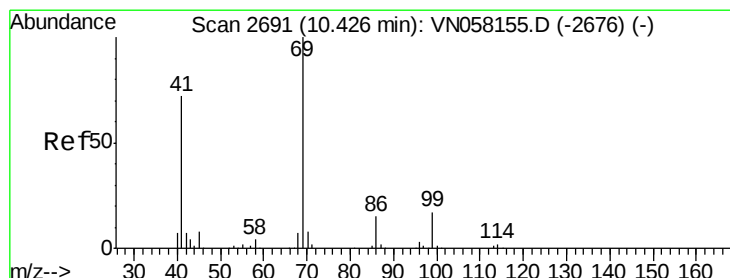
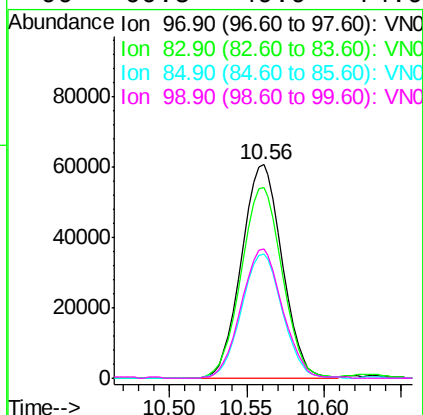
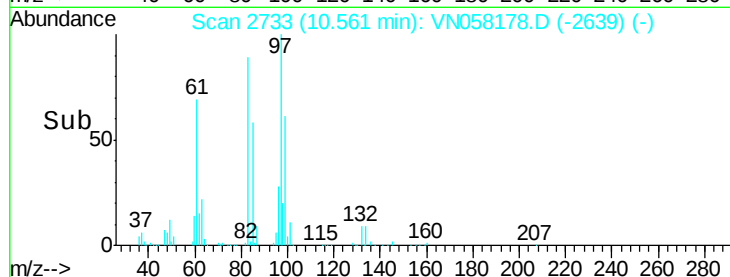
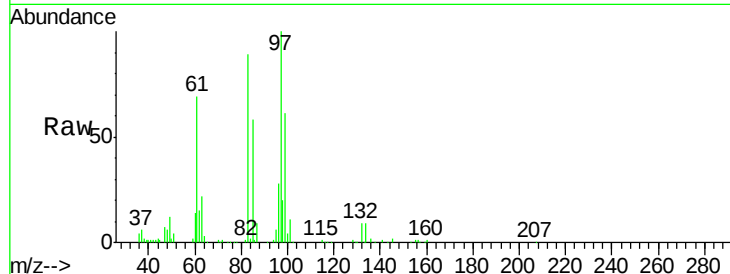
#55
 1,1,2-Trichloroethane
 Concen: 21.168 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tot Ion:	97	Resp:	111717
Ion	Ratio	Lower	Upper
97	100		
83	89.5	70.4	105.6
85	58.3	46.8	70.2
99	60.5	49.9	74.9

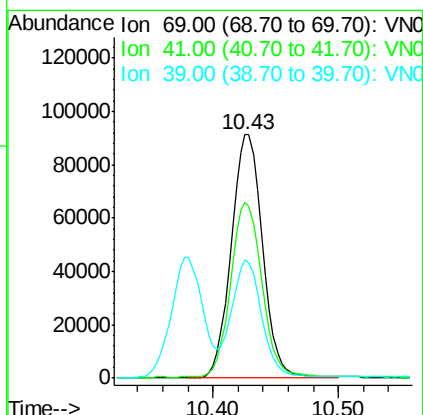
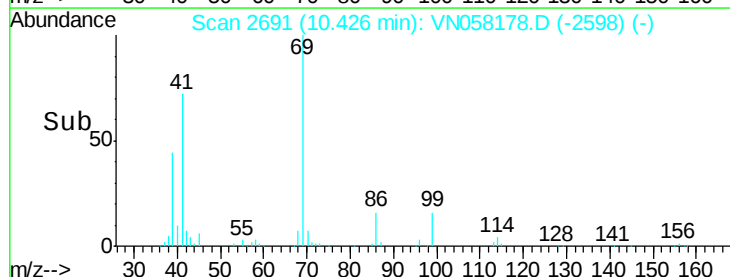
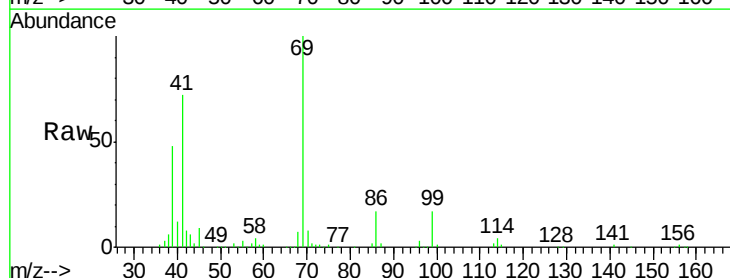
Manual Integrations
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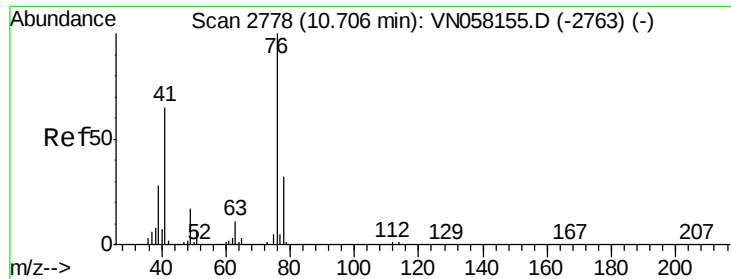
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 9/20/2019 1:44:05 PM



#56
 Ethyl methacrylate
 Concen: 20.862 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Tgt Ion:	69	Resp:	158860
Ion	Ratio	Lower	Upper
69	100		
41	71.4	57.5	86.3
39	46.3	36.1	54.1





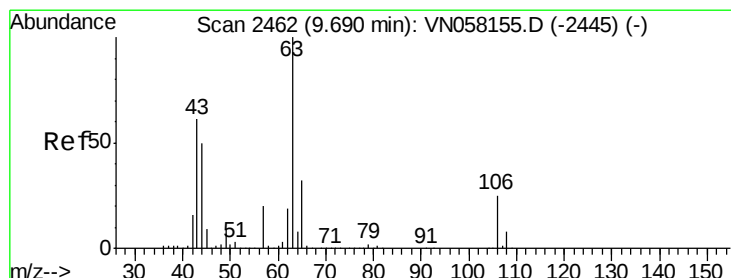
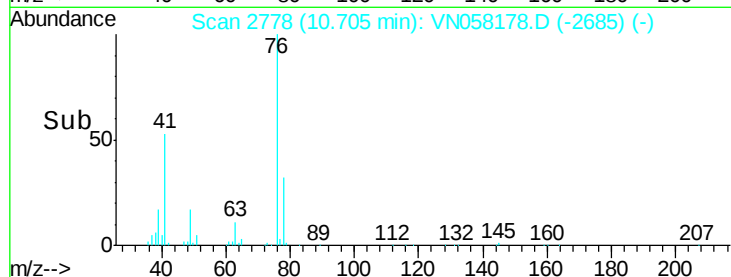
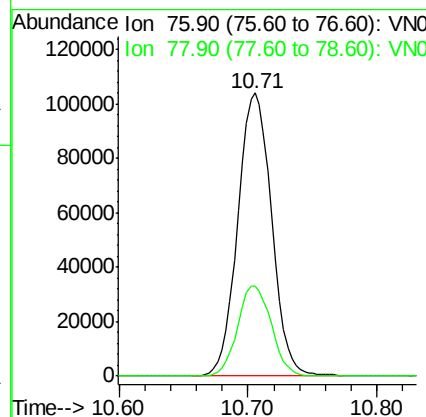
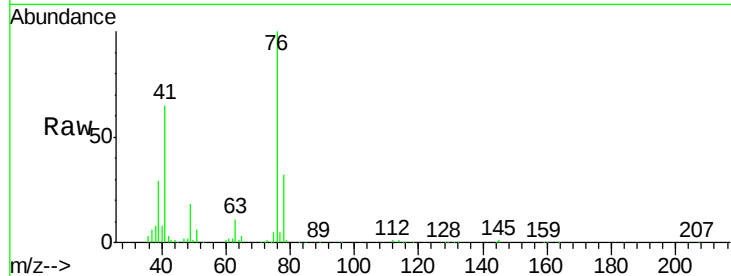
#57
 1,3-Dichloropropane
 Concen: 20.906 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tot Ion: 76 Resp: 189675
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.4 38.0

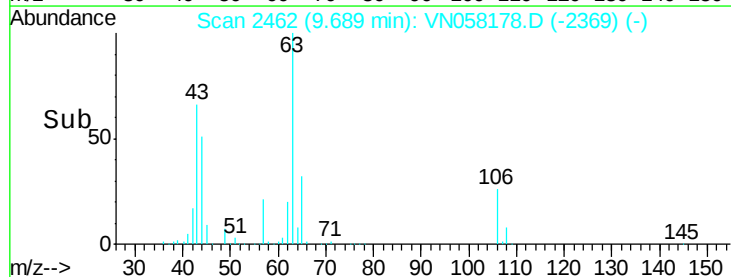
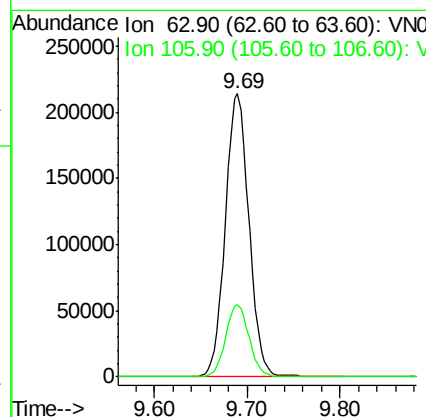
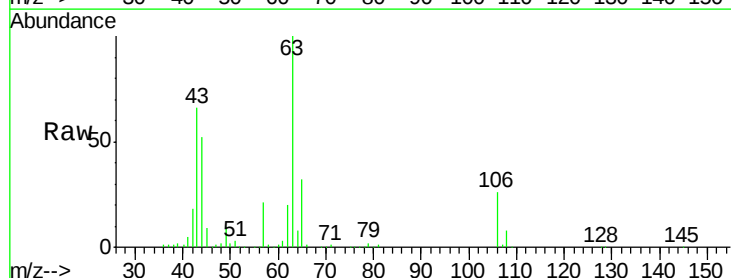
Manual Integrations
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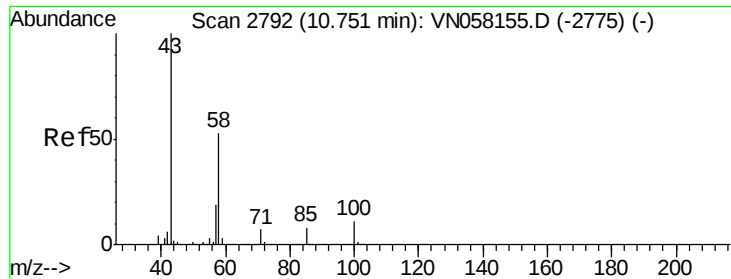
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#58
 2-Chloroethyl Vinyl ether
 Concen: 104.501 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Tgt Ion: 63 Resp: 379038
 Ion Ratio Lower Upper
 63 100
 106 25.3 19.9 29.9





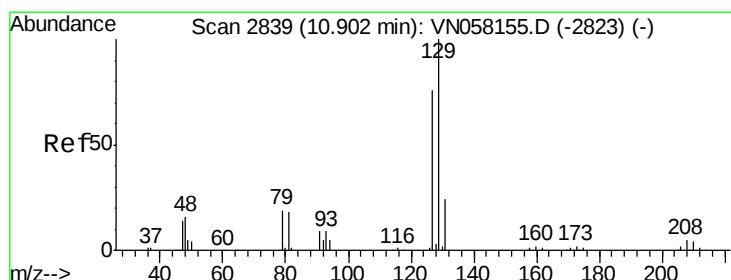
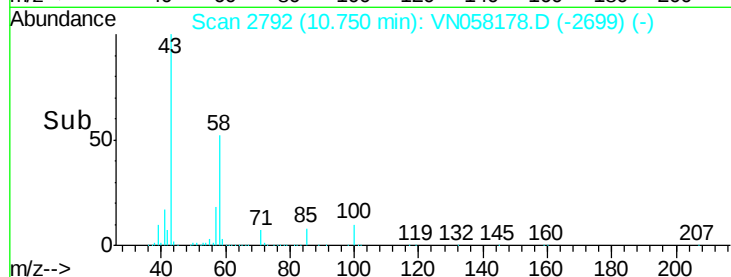
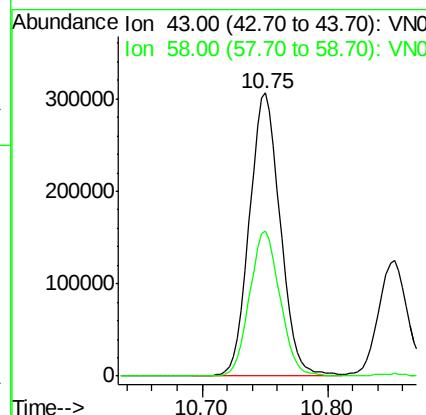
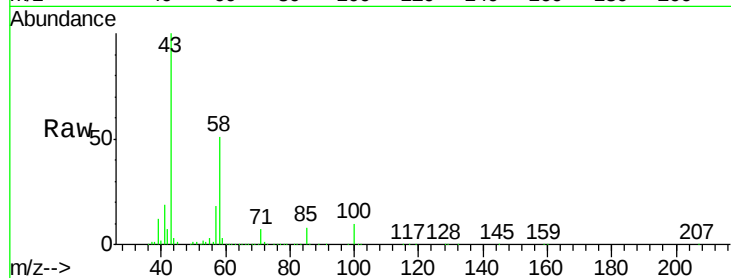
#59
2-Hexanone
Concen: 109.616 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tot Ion: 43 Resp: 520700
Ion Ratio Lower Upper
43 100
58 51.0 26.0 78.0

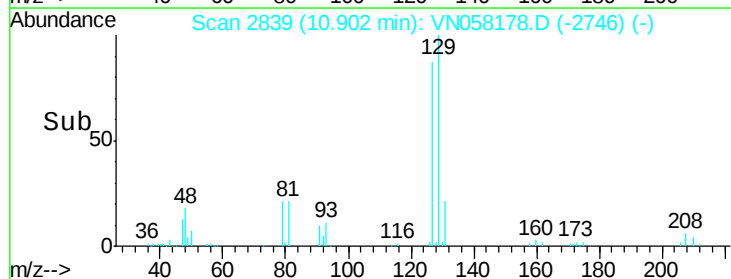
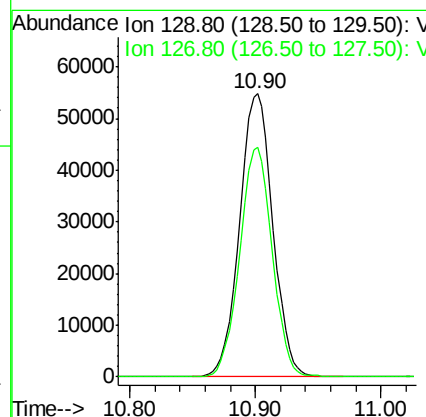
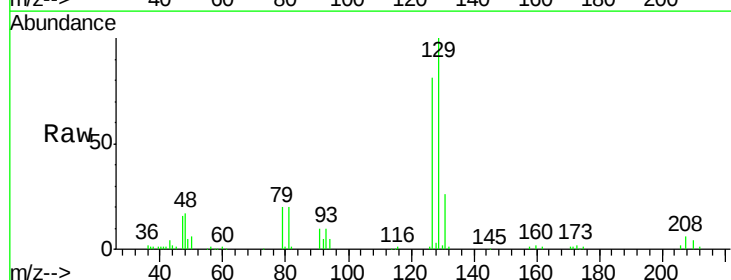
Manual Integrations
APPROVED

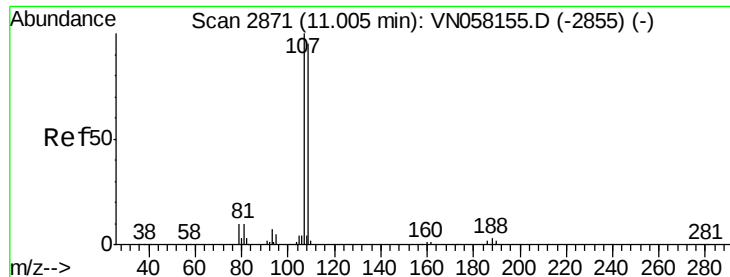
MMDadoda
9/20/2019 1:44:05 PM



#60
Dibromochloromethane
Concen: 19.823 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Tgt Ion: 129 Resp: 100647
Ion Ratio Lower Upper
129 100
127 79.4 38.7 116.1





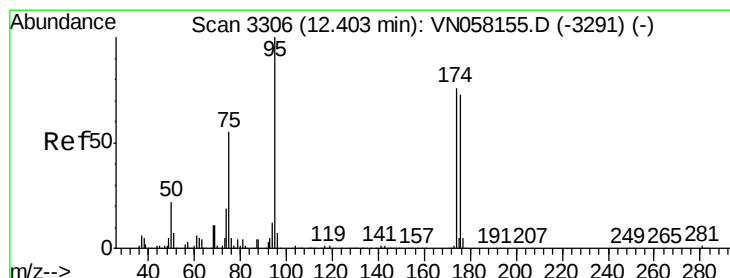
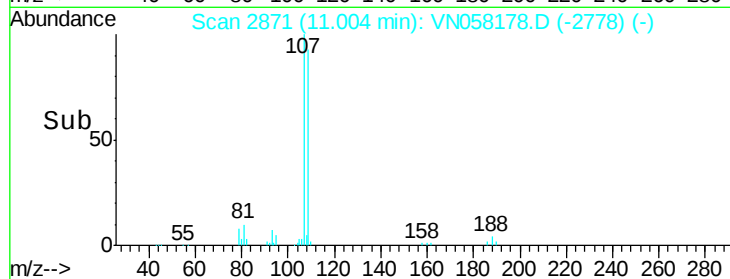
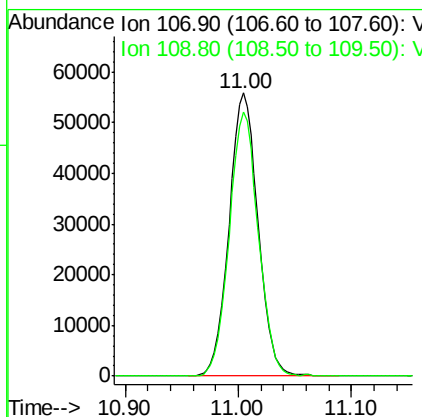
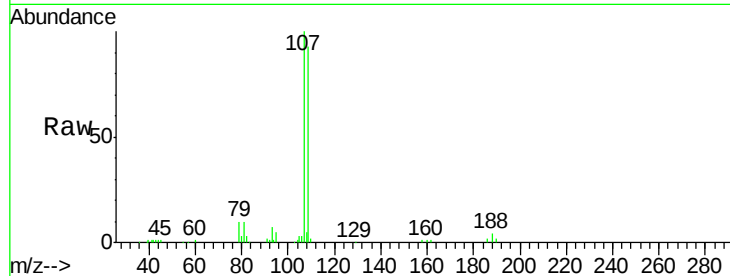
#61
 1,2-Dibromoethane
 Concen: 20.314 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.4	113.2

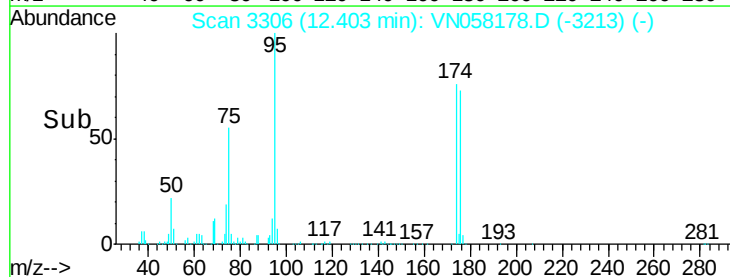
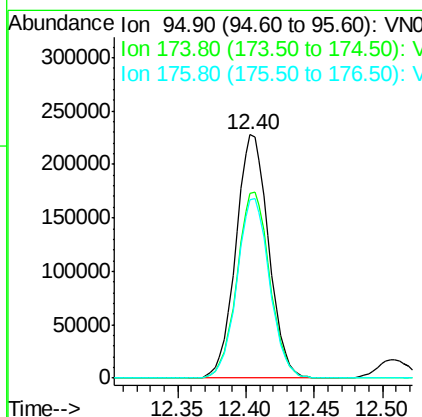
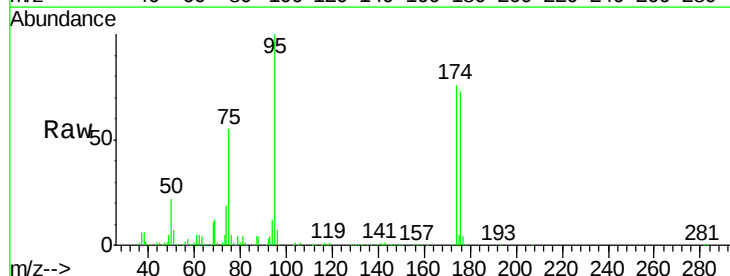
Manual Integrations
 APPROVED

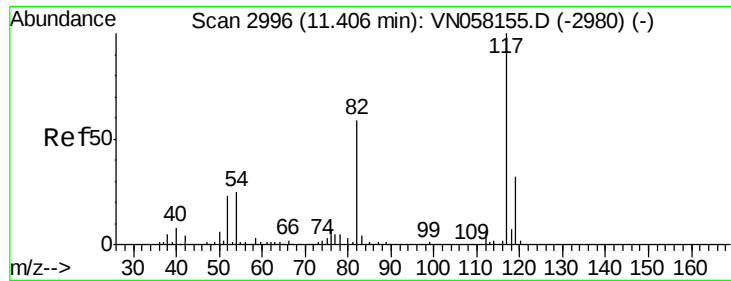
MMDadoda
 9/20/2019 1:44:05 PM



#62
 4-Bromofluorobenzene
 Concen: 50.146 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	152.2
176	73.3	0.0	148.0





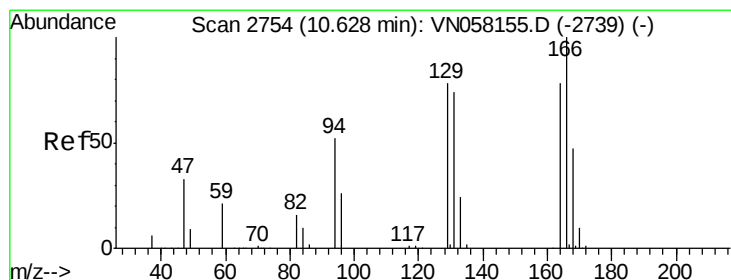
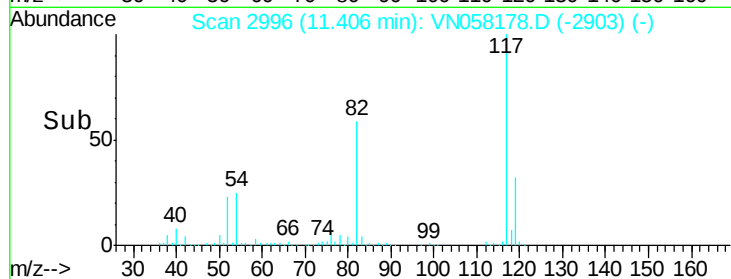
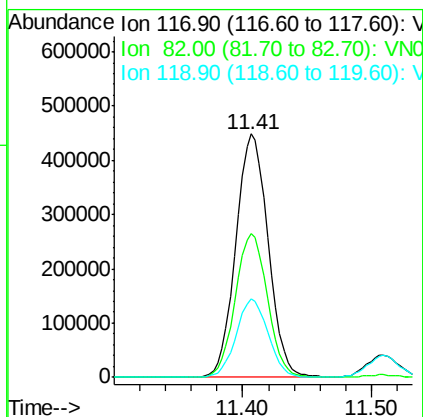
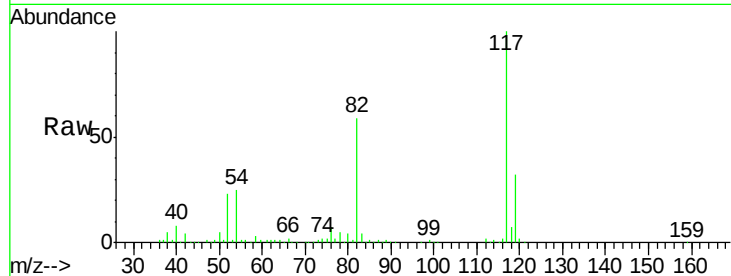
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	46.9	70.3
119	32.1	25.3	37.9

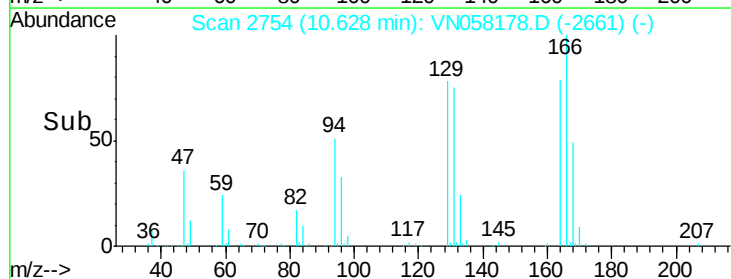
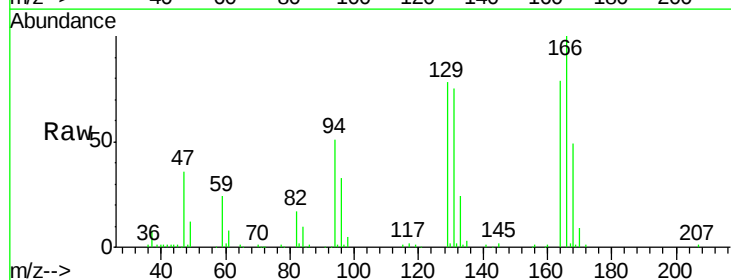
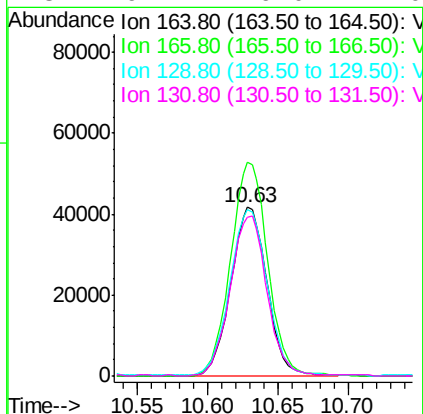
Manual Integrations
APPROVED

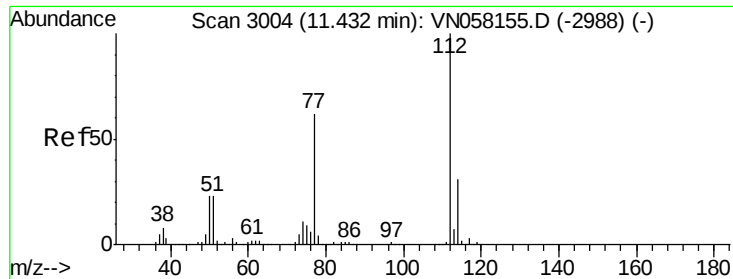
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#64
Tetrachloroethene
Concen: 19.616 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	102.2	153.4
129	98.0	79.6	119.4
131	94.1	76.0	114.0





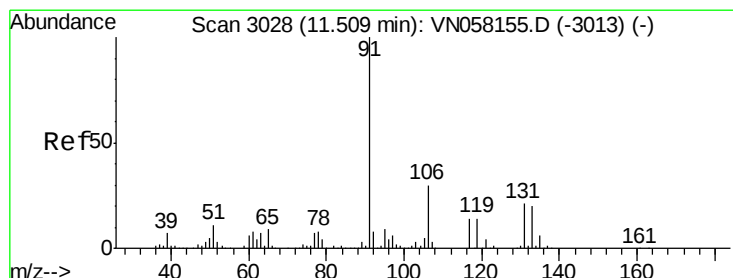
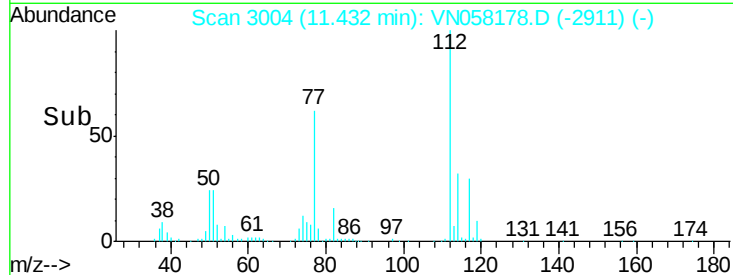
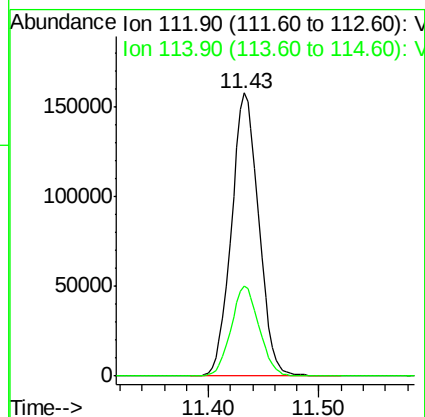
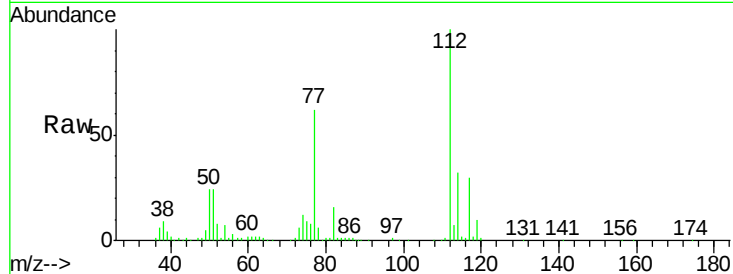
#65
Chlorobenzene
Concen: 19.769 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Instrument :
MSVOA_N
ClientSampled :
VN0918WBSD01

Tot Ion:112 Resp: 271961
Ion Ratio Lower Upper
112 100
114 31.9 25.1 37.7

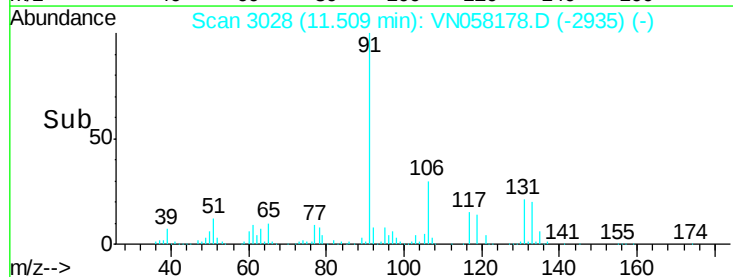
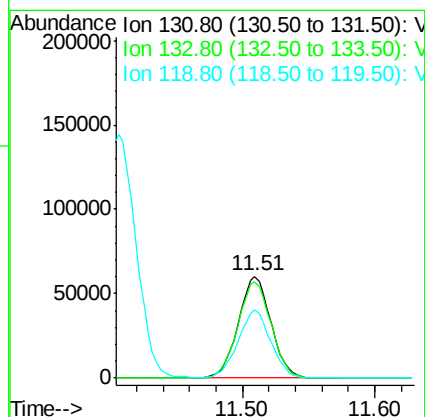
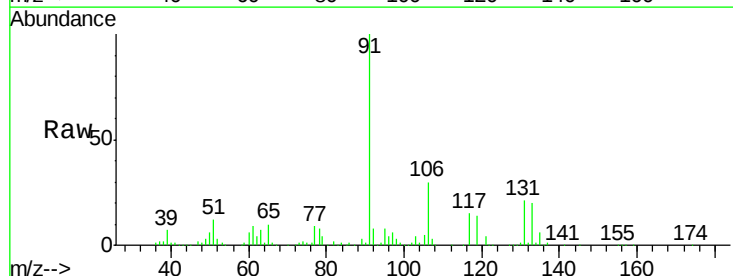
Manual Integrations
APPROVED

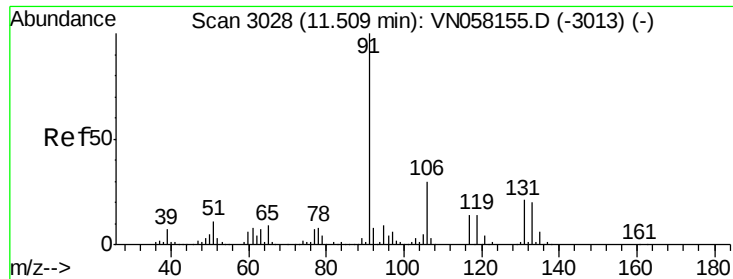
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.687 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Tgt Ion:131 Resp: 103197
Ion Ratio Lower Upper
131 100
133 96.3 47.8 143.3
119 66.2 33.1 99.3





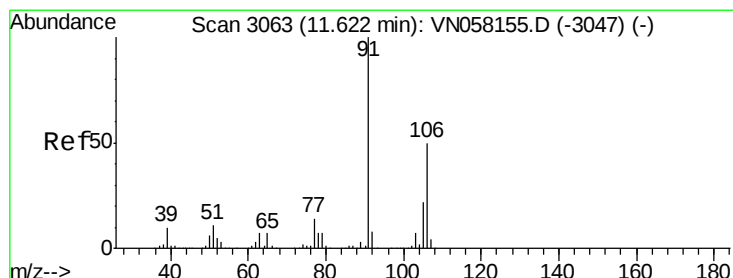
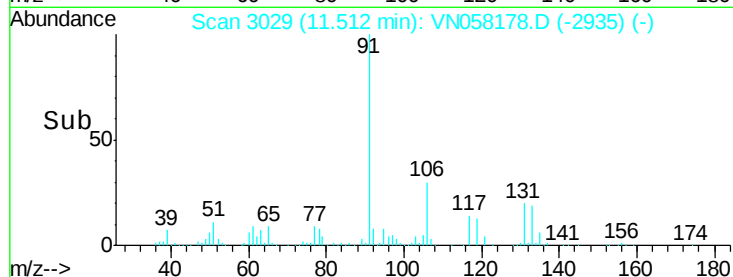
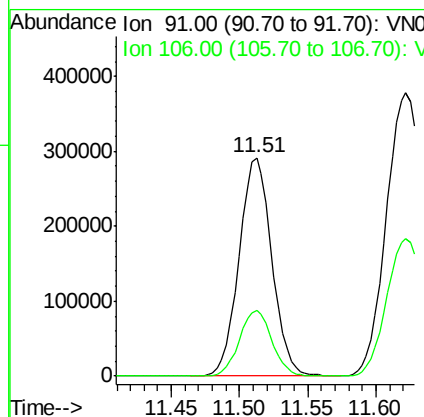
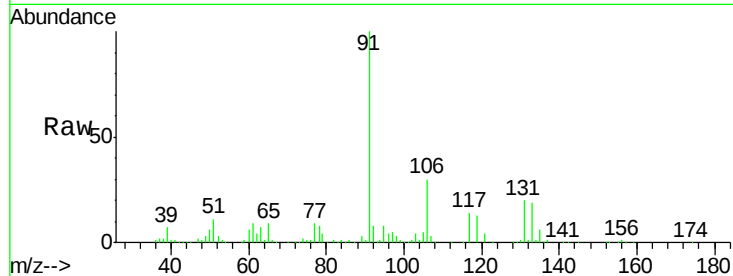
#67
Ethyl Benzene
Concen: 20.605 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tot Ion: 91 Resp: 485714
Ion Ratio Lower Upper
91 100
106 30.1 24.0 36.0

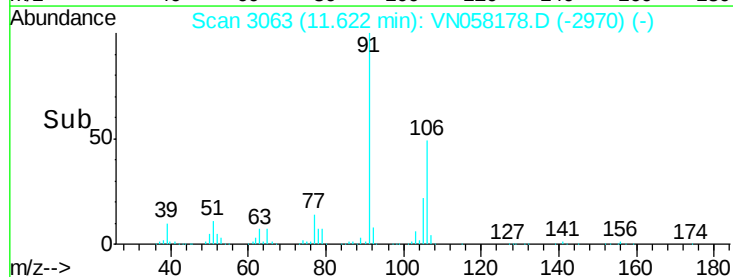
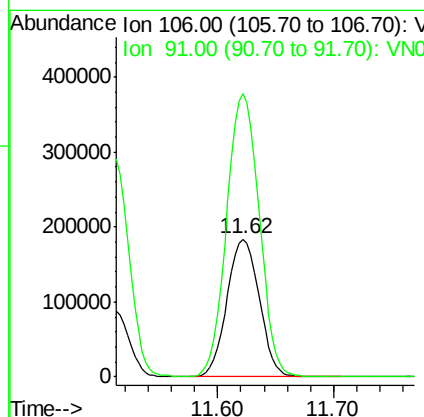
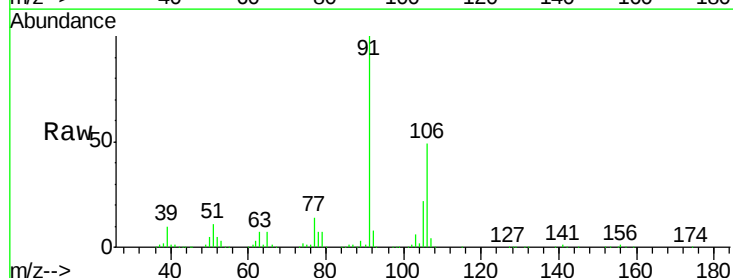
Manual Integrations
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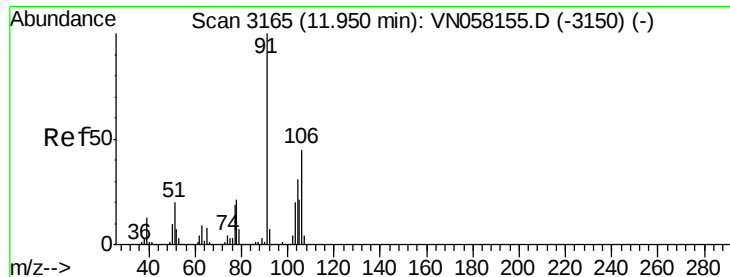
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#68
m/p-Xylenes
Concen: 40.107 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Tgt Ion: 106 Resp: 356083
Ion Ratio Lower Upper
106 100
91 207.1 163.6 245.4





#69

o-Xylene

Concen: 20.738 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Instrument :

MSVOA_N

ClientSampled :

VN0918WBSD01

Tot Ion:106 Resp: 181037

Ion Ratio Lower Upper

106 100

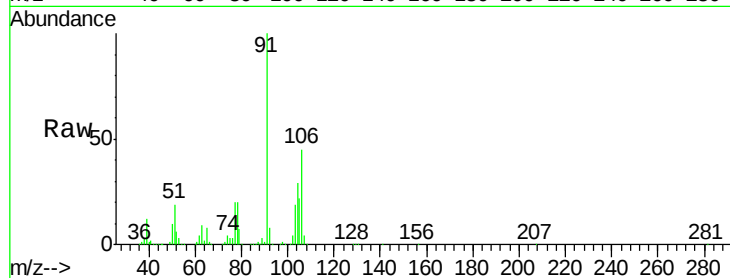
91 219.6 111.8 335.3

Manual Integrations

APPROVED

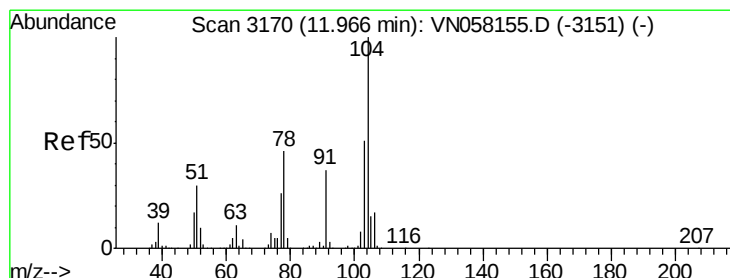
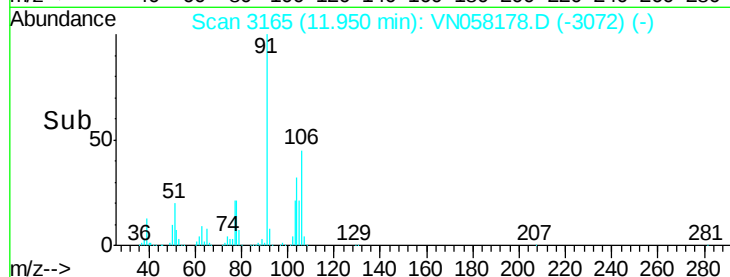
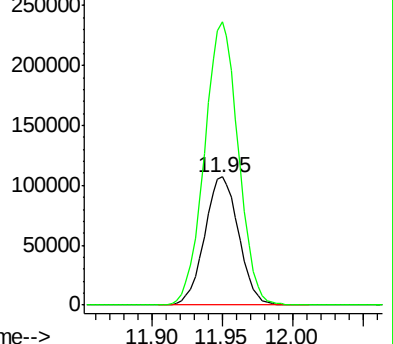
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 20.842 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. -0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

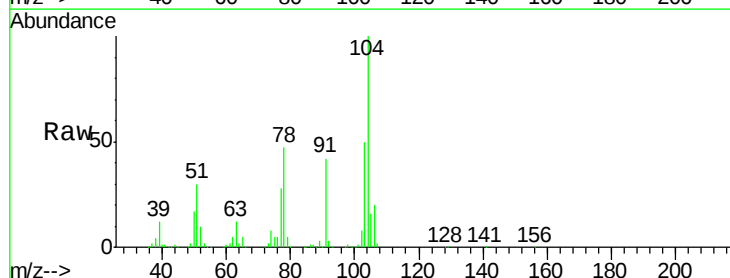
Tgt Ion:104 Resp: 313489

Ion Ratio Lower Upper

104 100

78 52.5 41.8 62.8

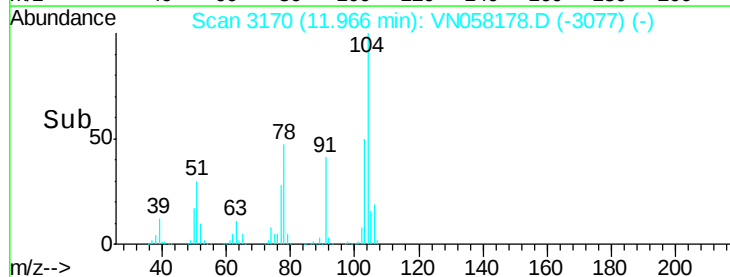
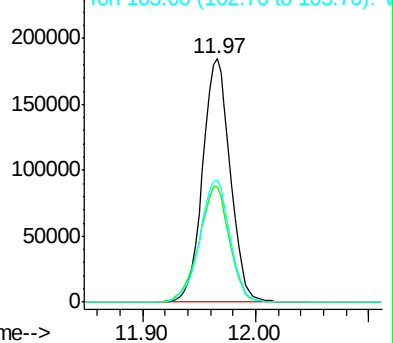
103 54.8 44.2 66.2

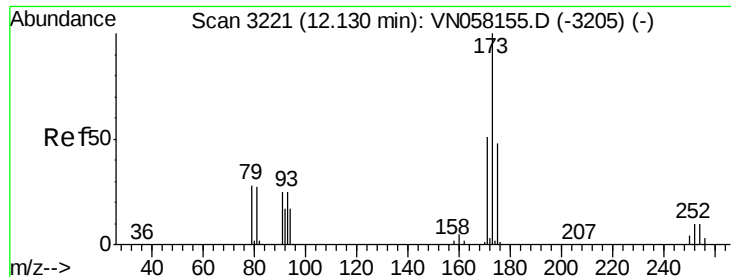


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





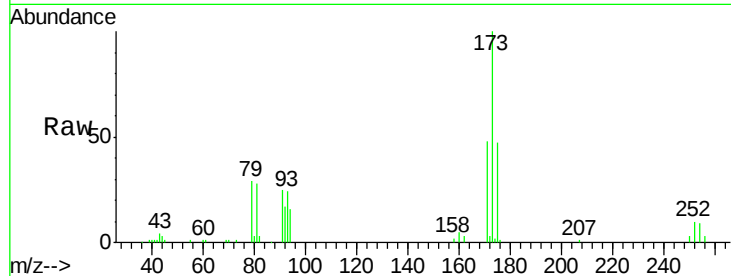
#71
Bromoform
Concen: 19.570 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.2	24.2	72.6
254	0.0	0.1	0.1#

Manual Integrations
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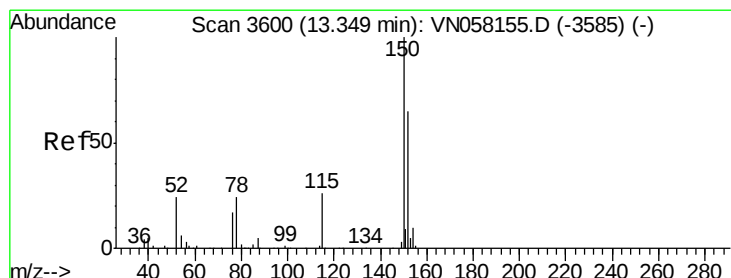
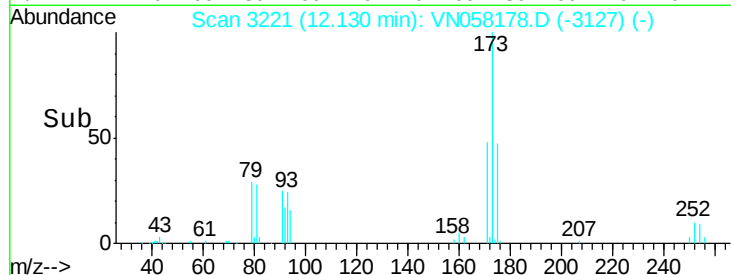
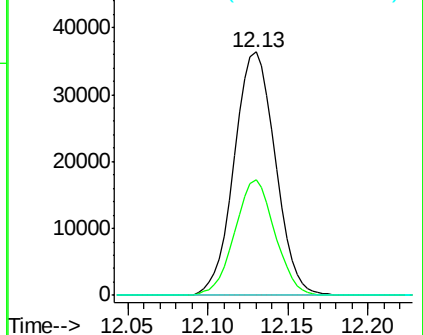


Abundance

Ion 172.70 (172.40 to 173.40): V

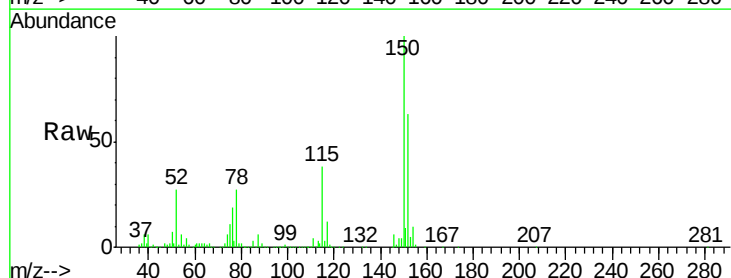
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.1	90.3
150	163.4	0.0	346.4

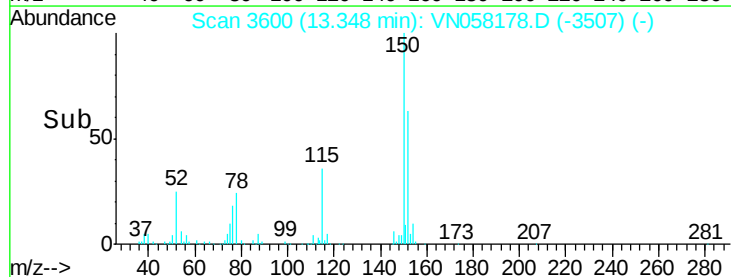
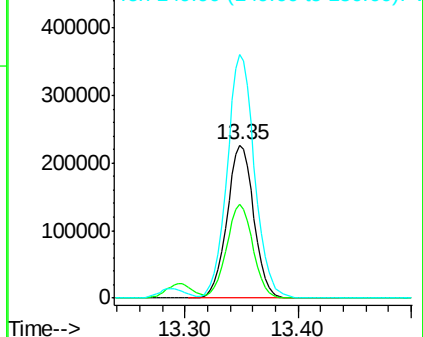


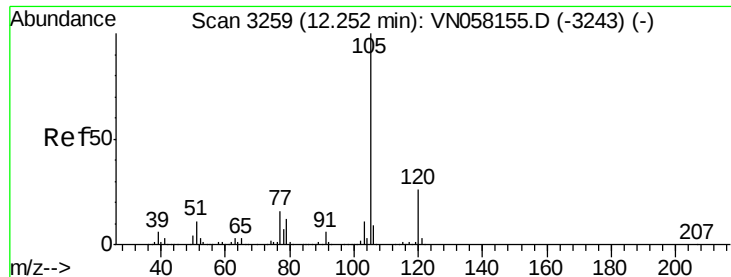
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





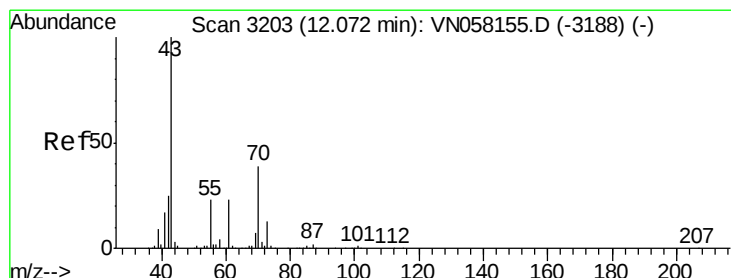
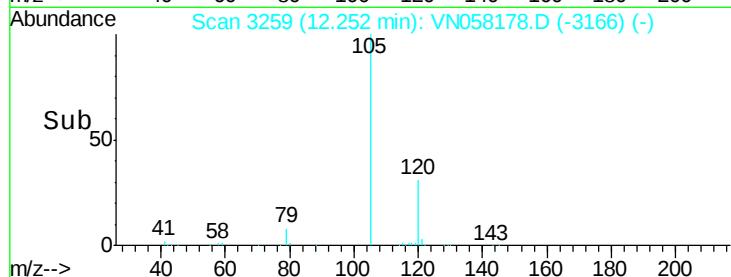
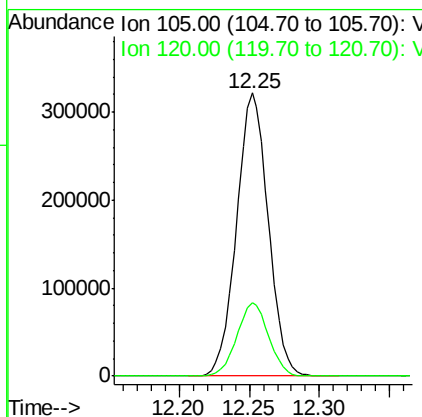
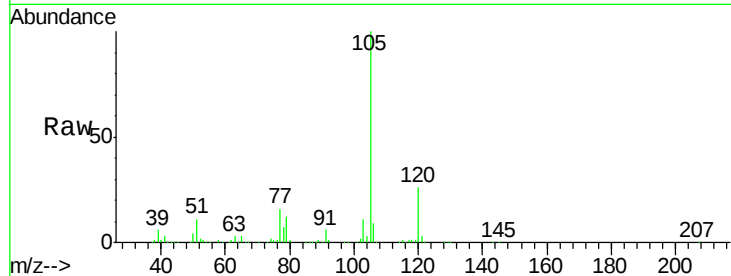
#73
Isopropylbenzene
Concen: 21.796 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Instrument :
MSVOA_N
ClientSampled :
VN0918WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.3

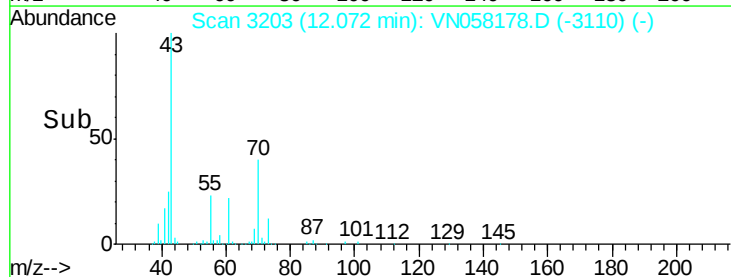
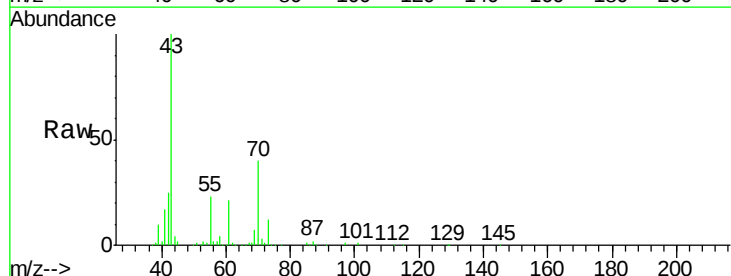
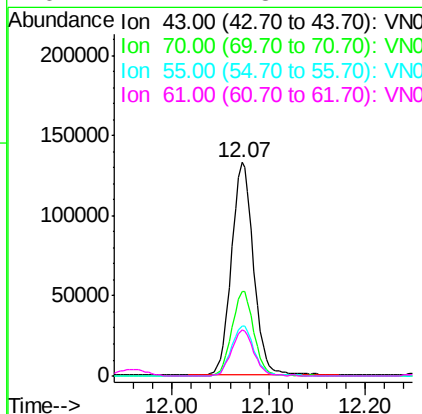
Manual Integrations
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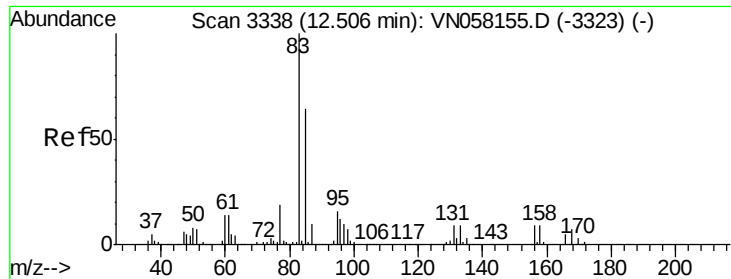
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#74
N-ethyl acetate
Concen: 21.827 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.4	31.0	46.6
55	24.2	18.5	27.7
61	21.7	18.2	27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.519 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Instrument :

MSVOA_N

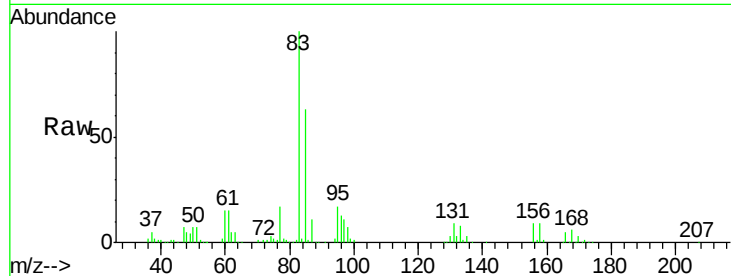
ClientSampleId :

VN0918WBSD01

Tot Ion:	83	Resp:	167252
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	63.2	31.9	95.5

Manual Integrations
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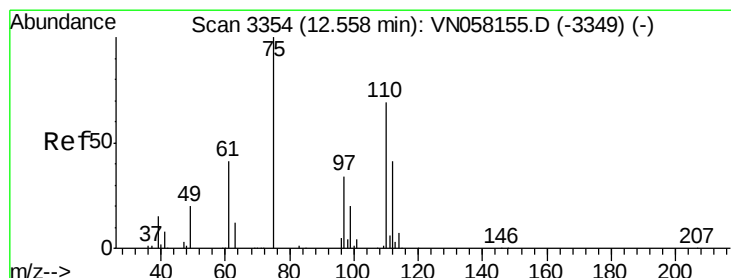
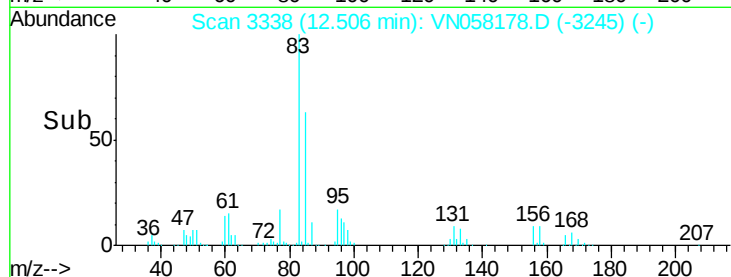
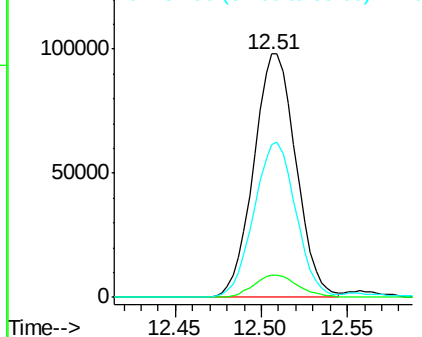
MMDadoda
9/20/2019 1:44:05 PM



Abundance Ion 82.90 (82.60 to 83.60): VN058178.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN058178.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN058178.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 20.923 ug/l m

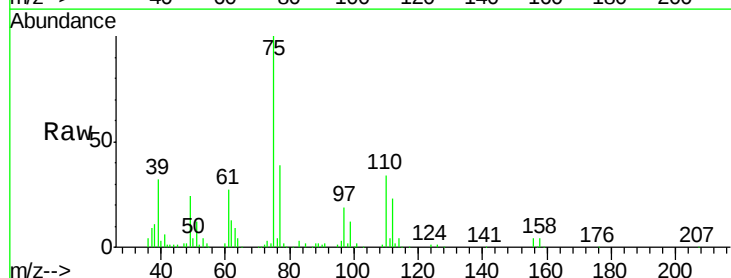
RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058178.D

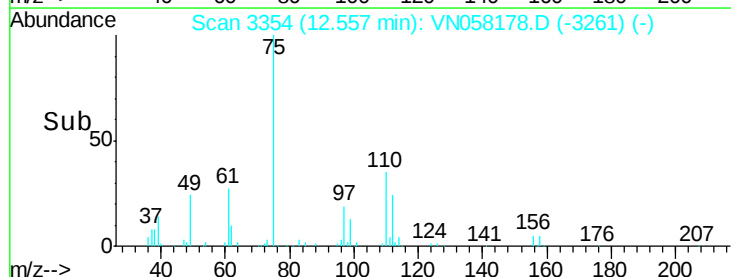
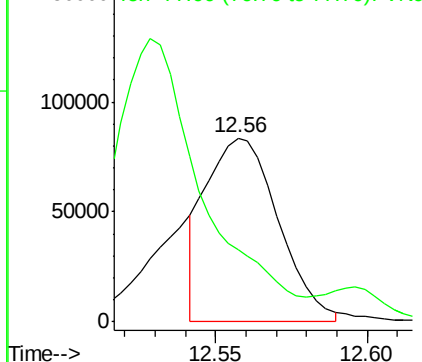
Acq: 18 Sep 2019 21:18

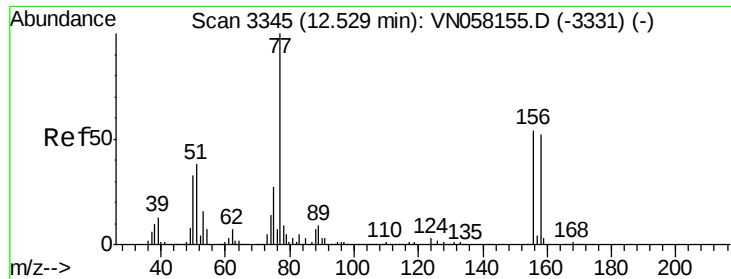
Tgt Ion:	75	Resp:	138847
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058178.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058178.D (-3261) (-)





#77

Bromobenzene

Concen: 20.617 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD01

Tot Ion:156 Resp: 120368

Ion Ratio Lower Upper

156 100

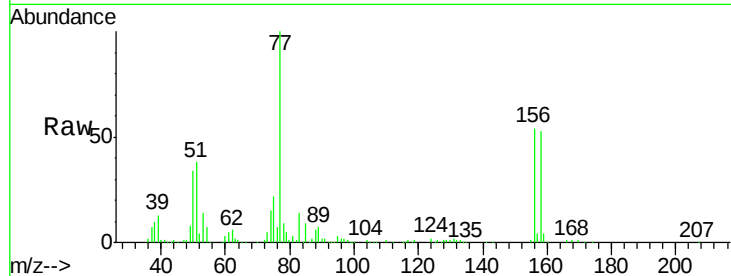
77 221.8 111.7 335.1

158 96.2 47.9 143.8

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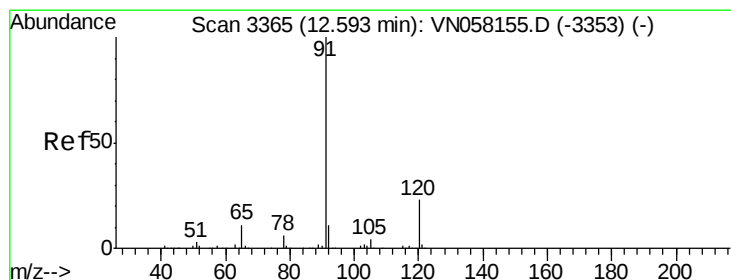
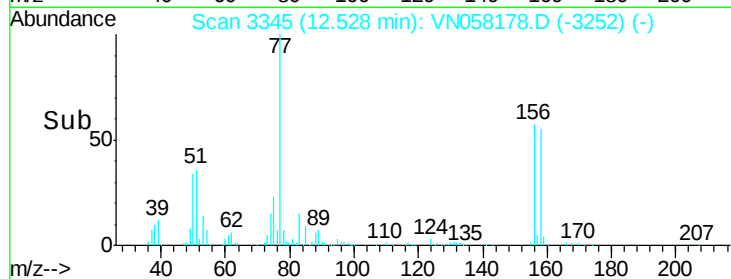
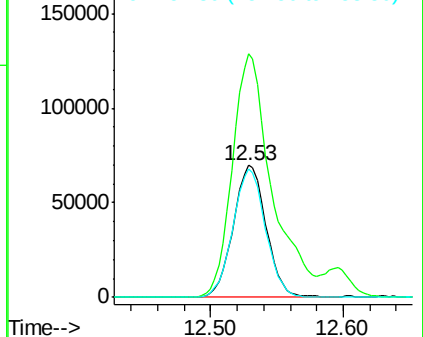
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.023 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058178.D

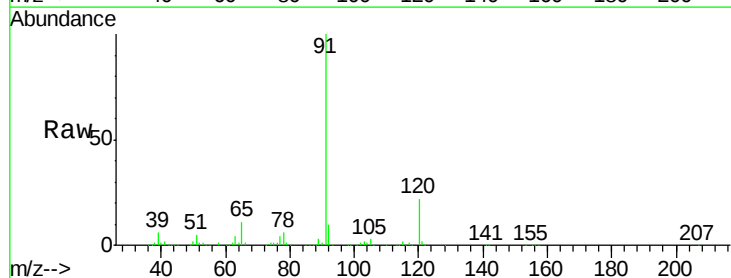
Acq: 18 Sep 2019 21:18

Tgt Ion: 91 Resp: 580830

Ion Ratio Lower Upper

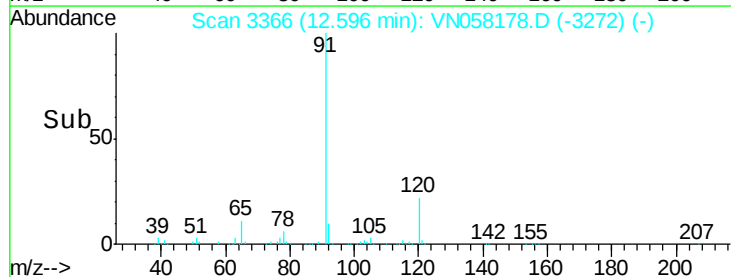
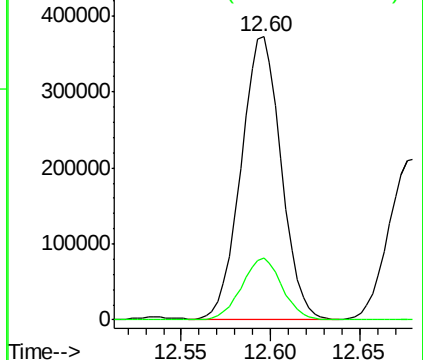
91 100

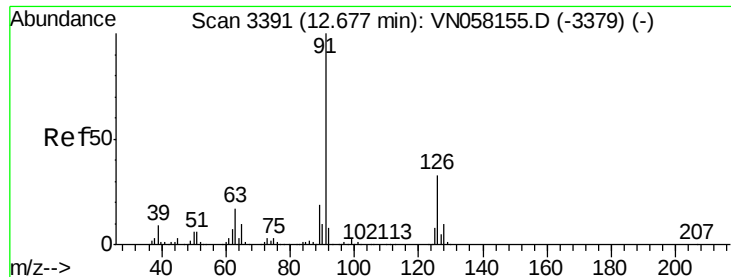
120 22.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.398 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD01

Tot Ion: 91 Resp: 352699

Ion Ratio Lower Upper

91 100

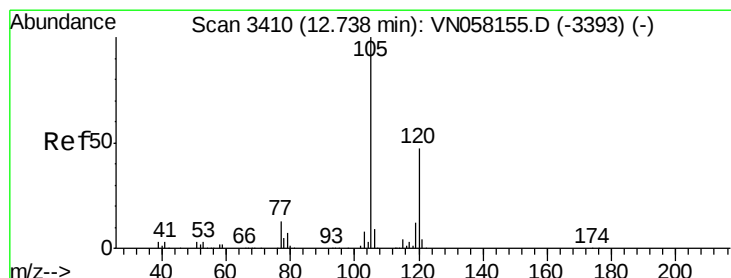
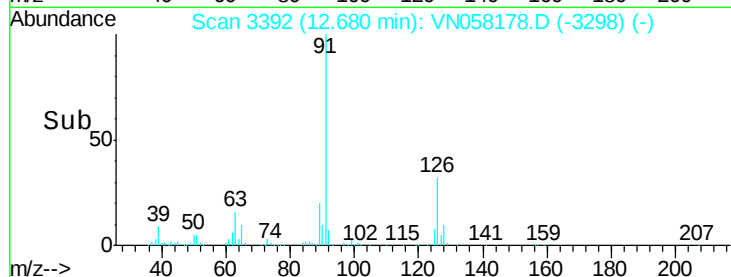
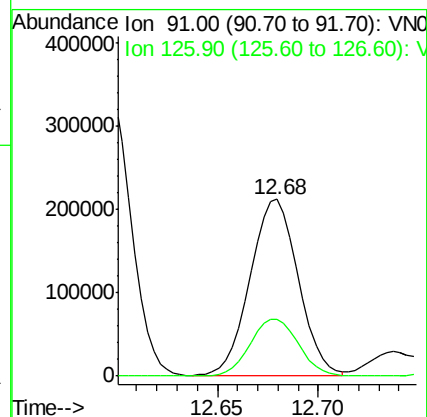
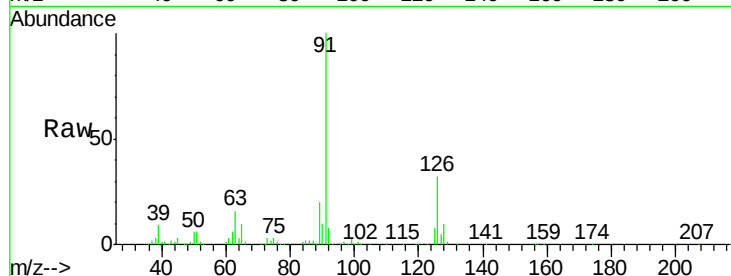
126 33.0 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 21.757 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058178.D

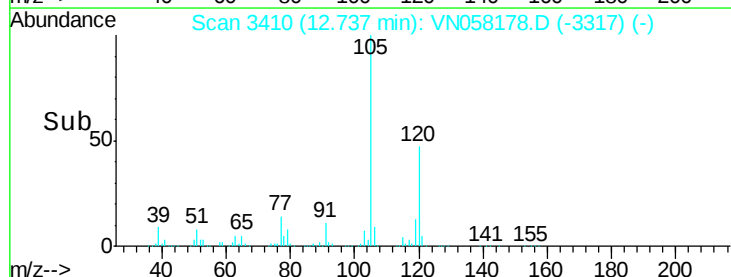
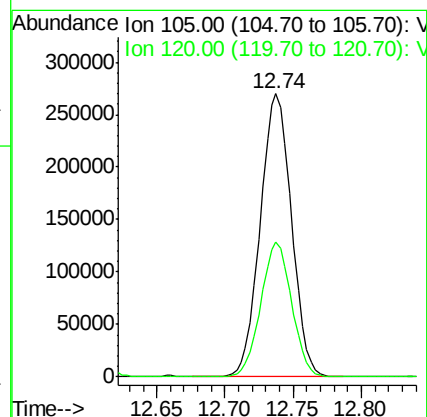
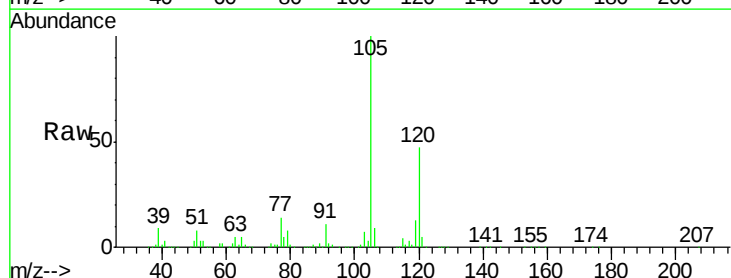
Acq: 18 Sep 2019 21:18

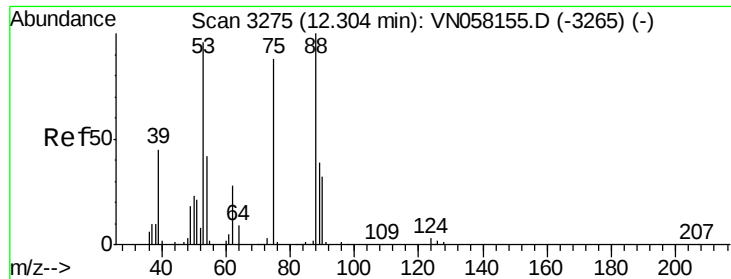
Tgt Ion: 105 Resp: 427020

Ion Ratio Lower Upper

105 100

120 46.9 23.4 70.0





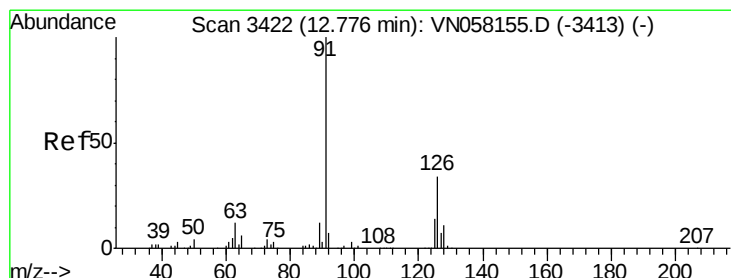
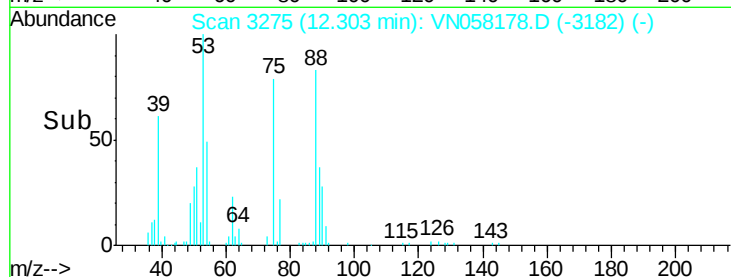
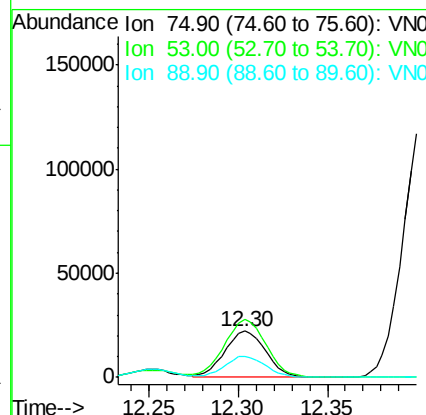
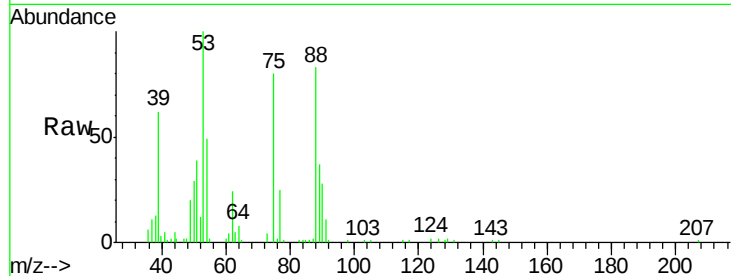
#81
trans-1,4-Dichloro-2-butene
Concen: 19.966 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	124.9	90.1	135.1
89	44.2	36.2	54.2

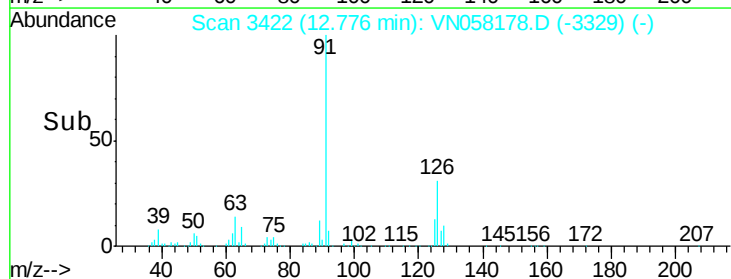
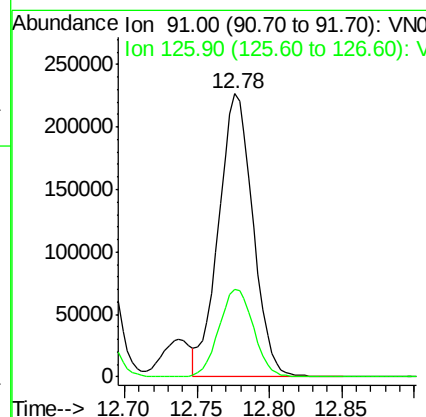
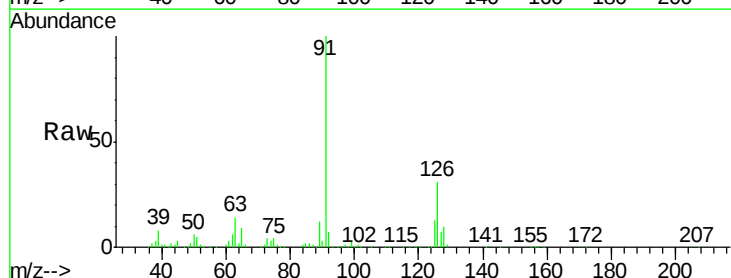
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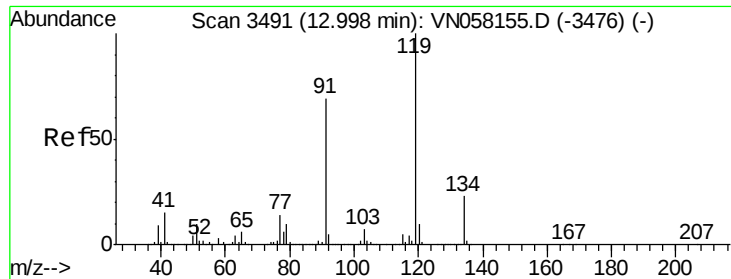
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.348 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1





#83

tert-Butylbenzene

Concen: 21.677 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Instrument :

MSVOA_N

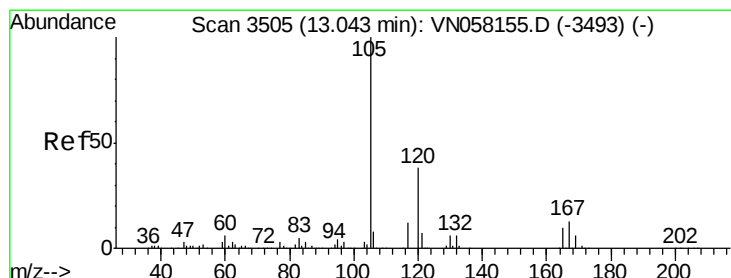
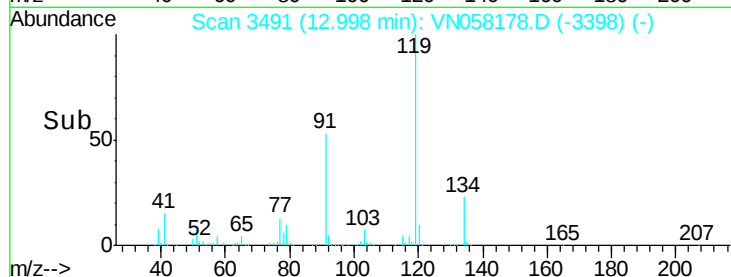
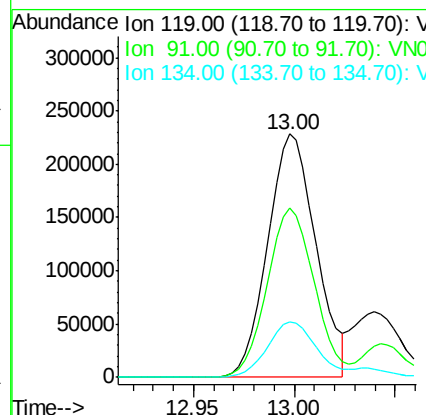
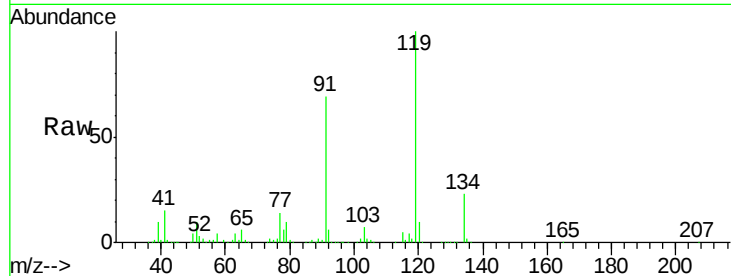
ClientSampleId :

VN0918WBSD01

Tot Ion:	119	Resp:	379396
Ion Ratio	Lower	Upper	
119	100		
91	68.0	33.8	101.3
134	23.3	11.6	34.8

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#84

1,2,4-Trimethylbenzene

Concen: 22.213 ug/l

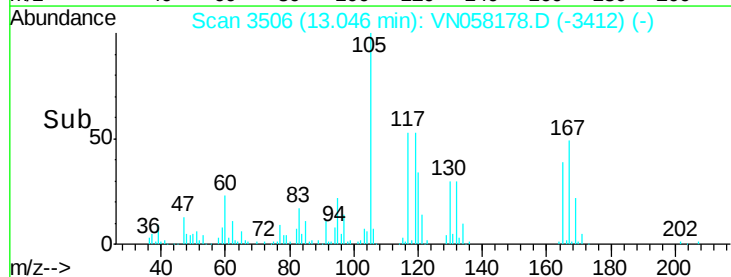
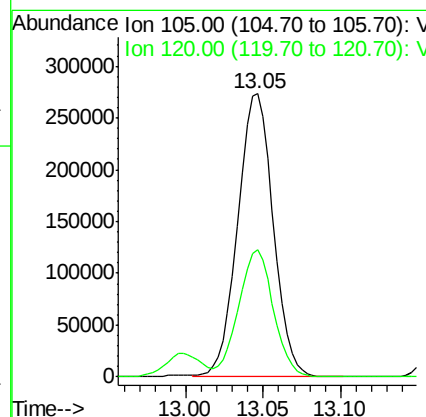
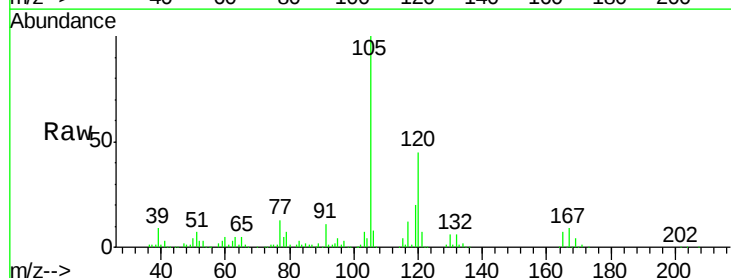
RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Tgt Ion:	105	Resp:	433854
Ion Ratio	Lower	Upper	
105	100		
120	44.1	22.1	66.5





#85

sec-Butylbenzene

Concen: 22.061 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD01

Tot Ion:105 Resp: 504911

Ion Ratio Lower Upper

105 100

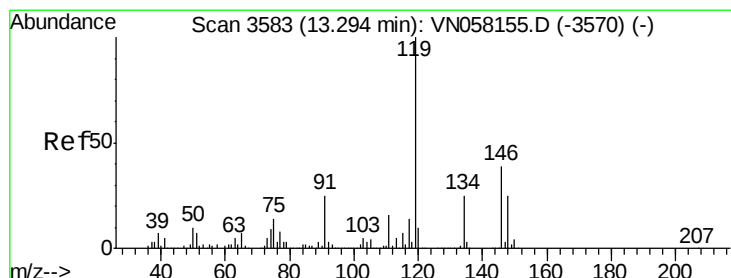
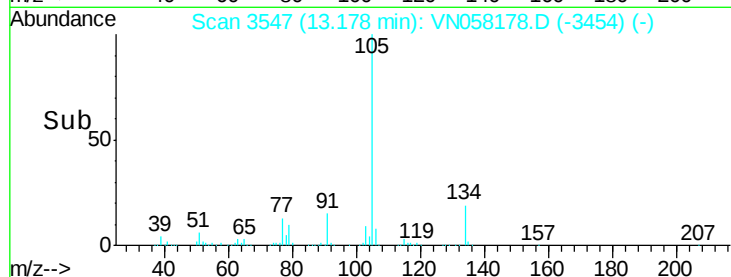
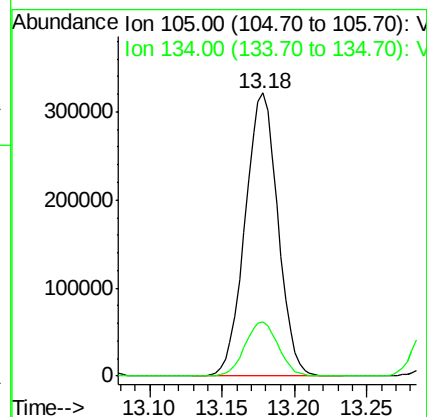
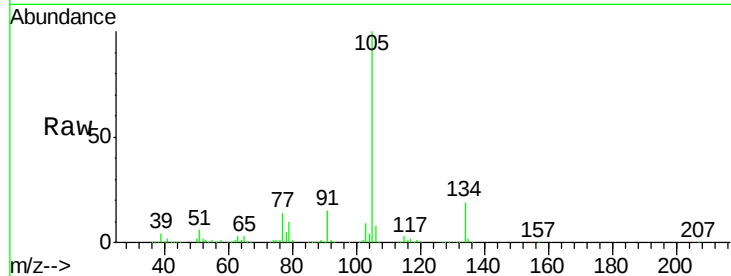
134 19.5 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.213 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

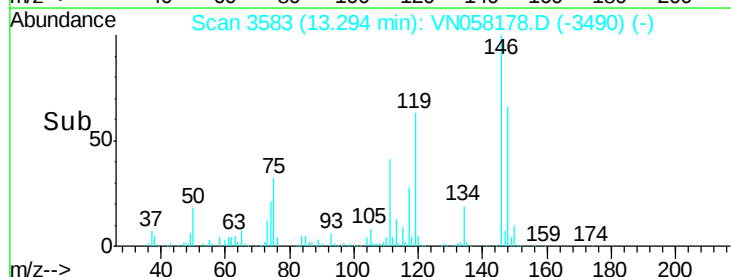
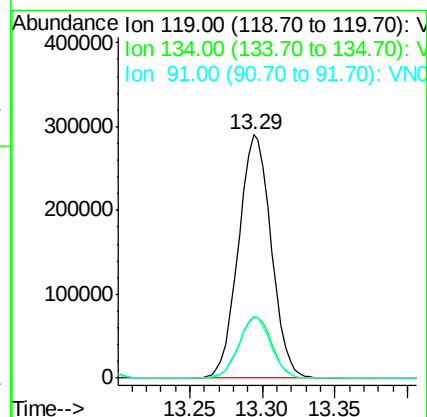
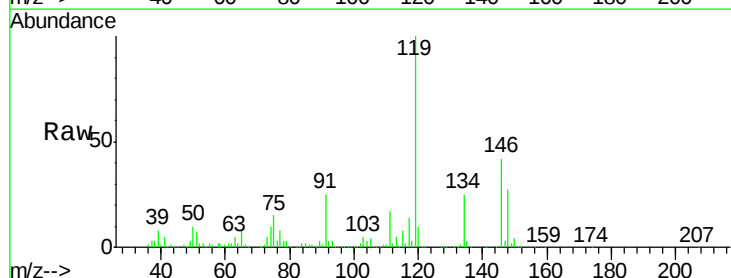
Tgt Ion:119 Resp: 451975

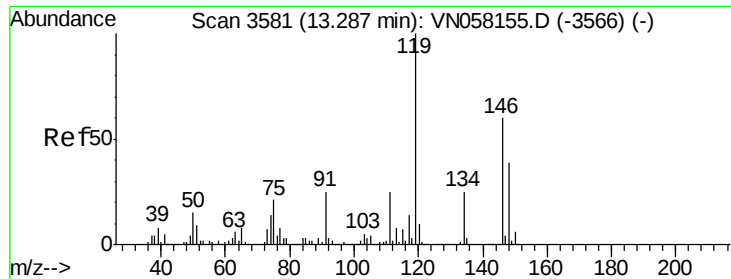
Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.0

91 24.9 12.3 36.8





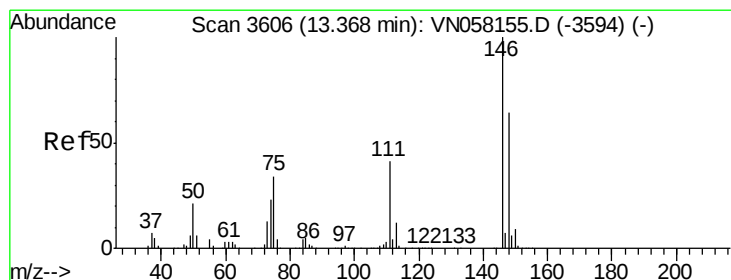
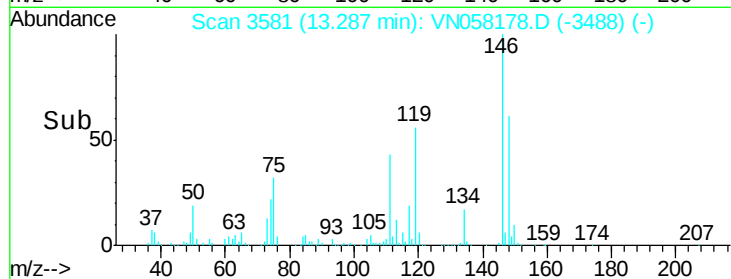
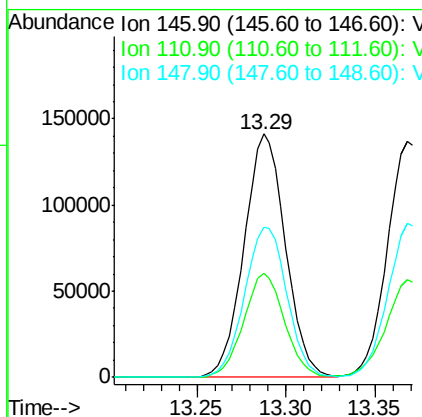
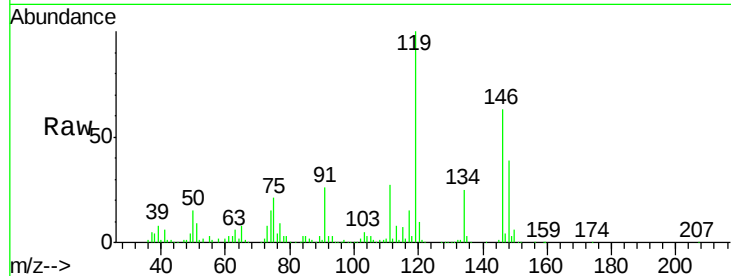
#87
 1,3-Dichlorobenzene
 Concen: 21.404 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0918WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	228237		
111	42.3	20.9	62.8	
148	63.2	32.0	96.2	

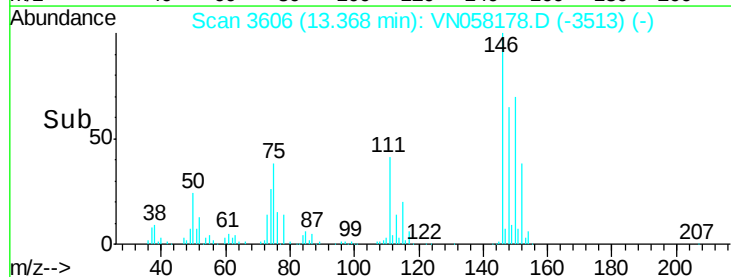
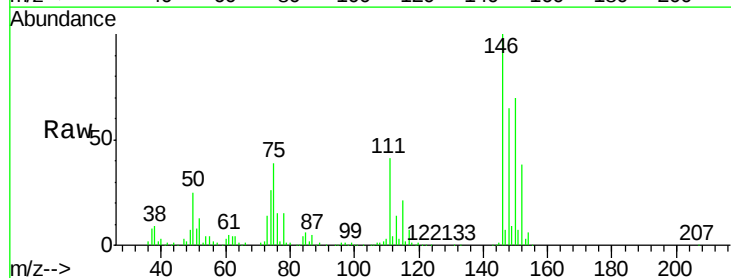
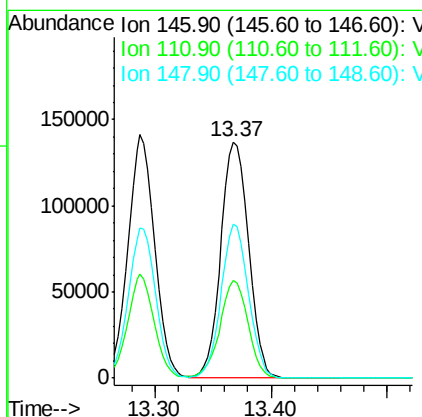
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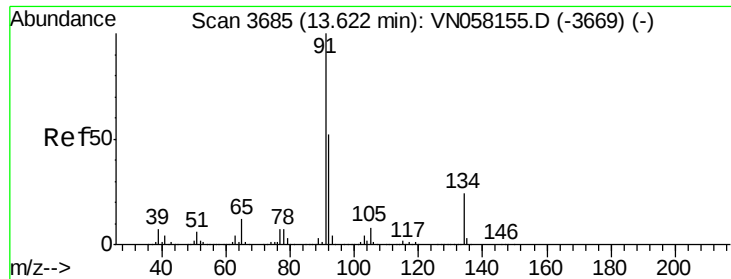
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#88
 1,4-Dichlorobenzene
 Concen: 20.938 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	227943		
111	41.9	20.5	61.5	
148	64.2	31.9	95.5	





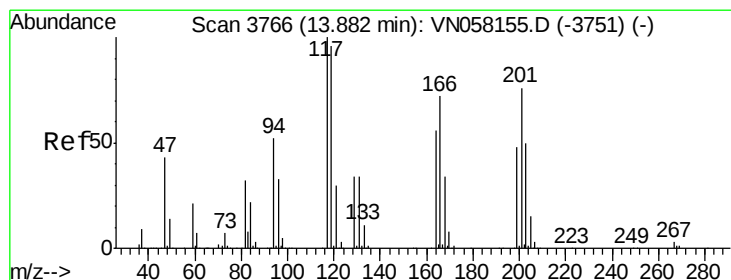
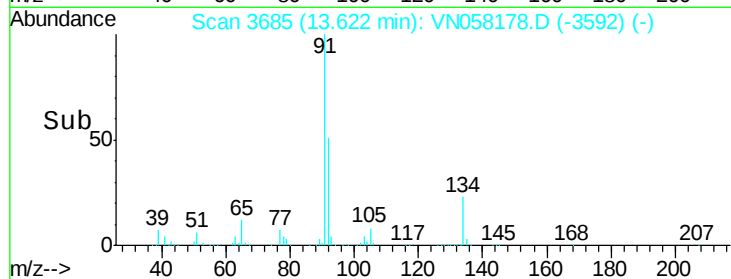
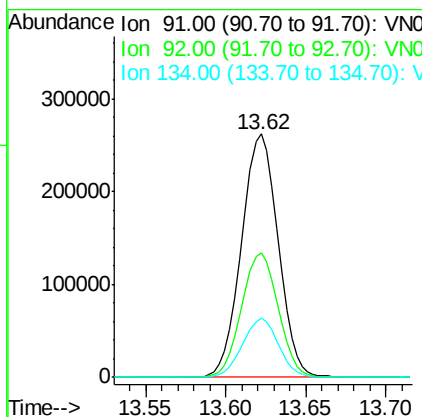
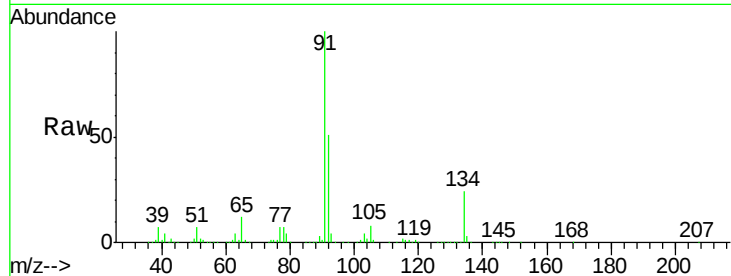
#89
n-Butylbenzene
Concen: 21.236 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.7	77.0
134	23.9	11.8	35.4

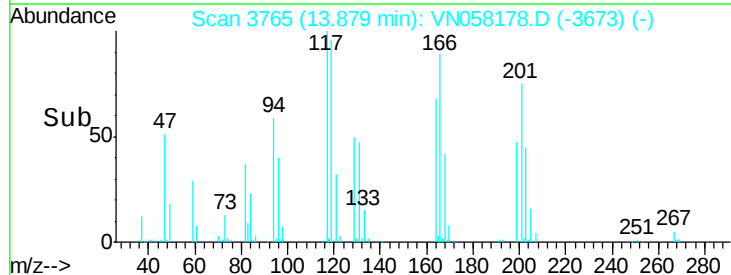
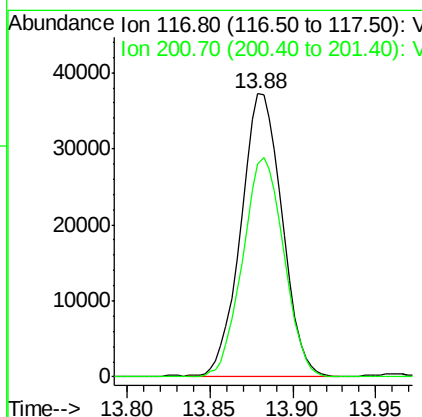
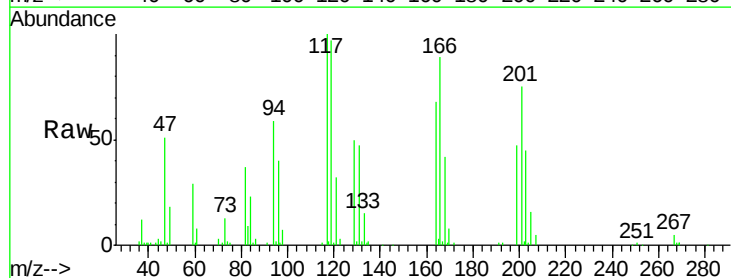
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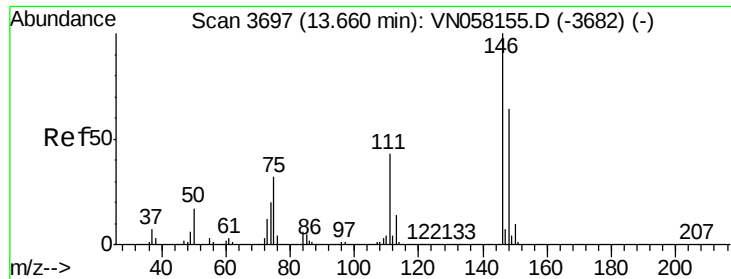
MMDadoda
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#90
Hexachloroethane
Concen: 19.910 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058178.D
Acq: 18 Sep 2019 21:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.1	37.5	112.5





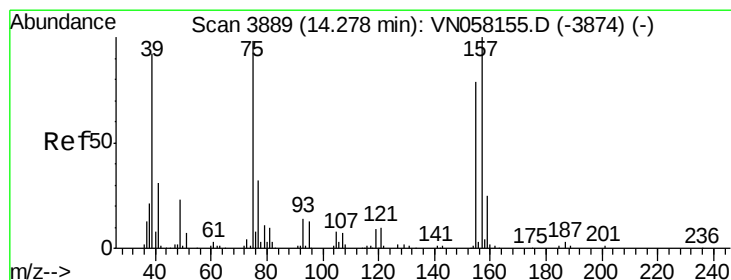
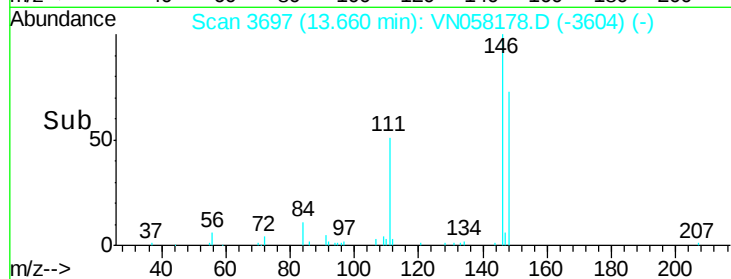
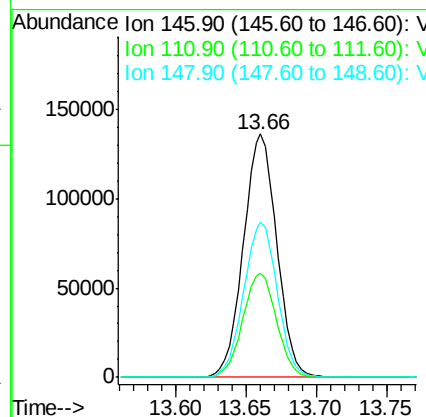
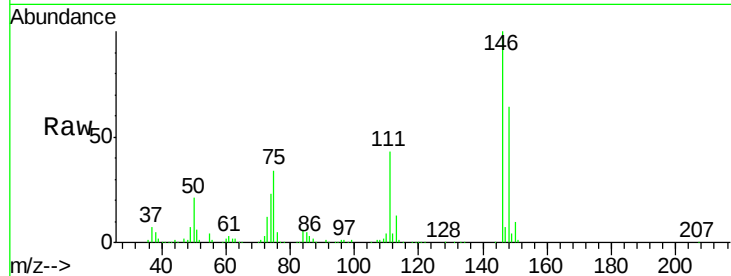
#91
 1,2-Dichlorobenzene
 Concen: 21.135 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.1	63.1
148	64.4	31.8	95.4

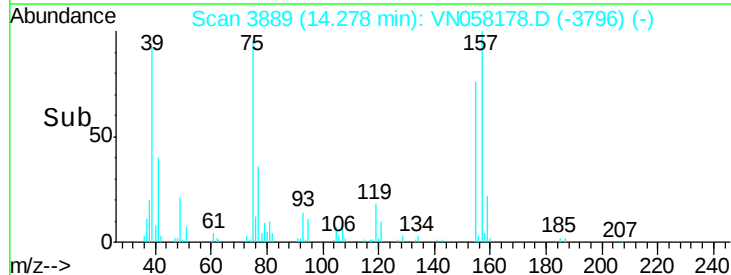
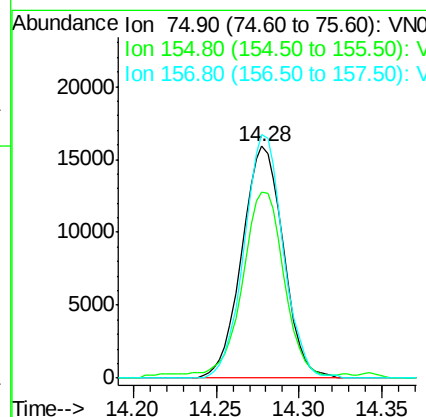
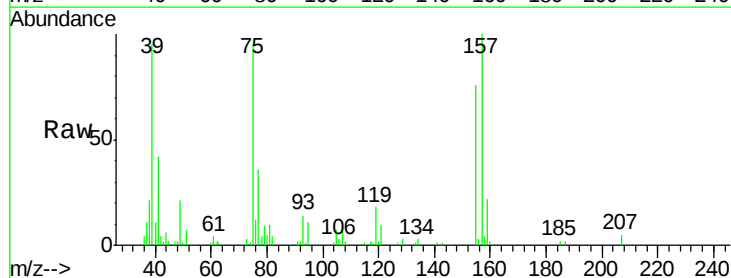
Manual Integrations
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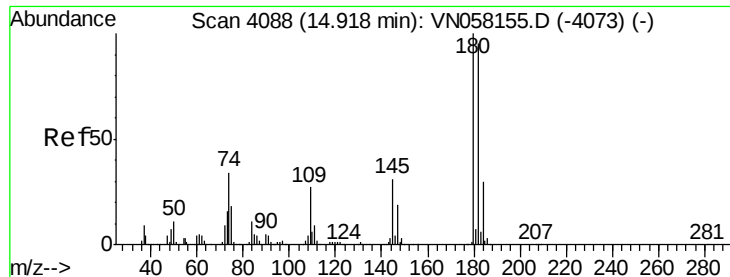
MMDadoda
 9/20/2019 1:44:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.725 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.5	38.3	114.8
157	99.1	48.0	144.0





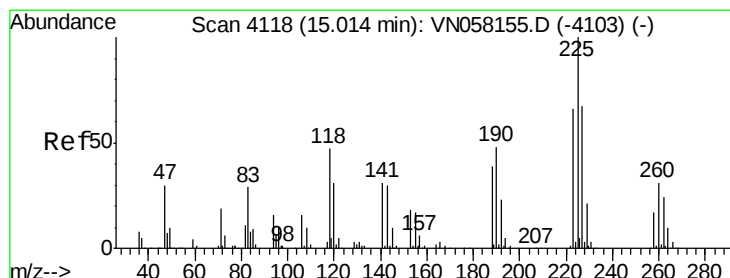
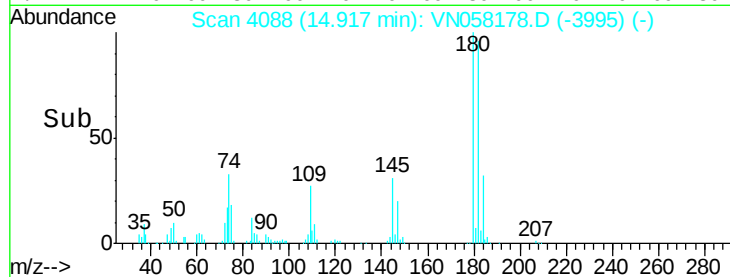
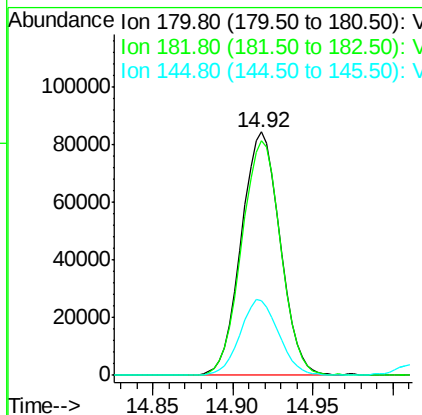
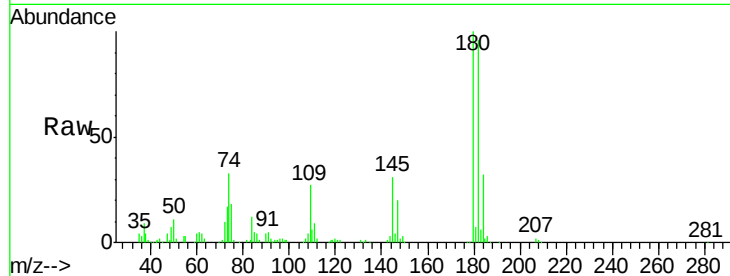
#93
 1,2,4-Trichlorobenzene
 Concen: 20.462 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.6	47.8	143.3	
145	30.9	15.4	46.4	

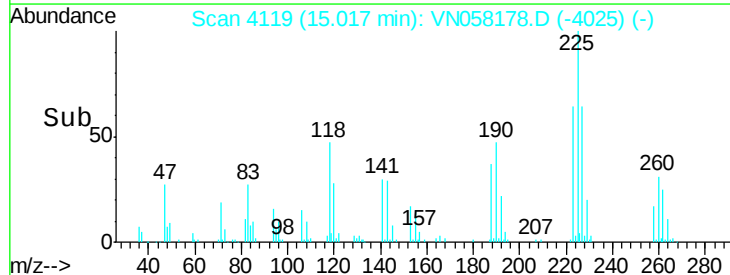
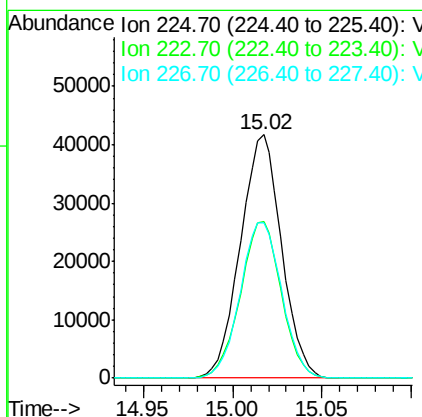
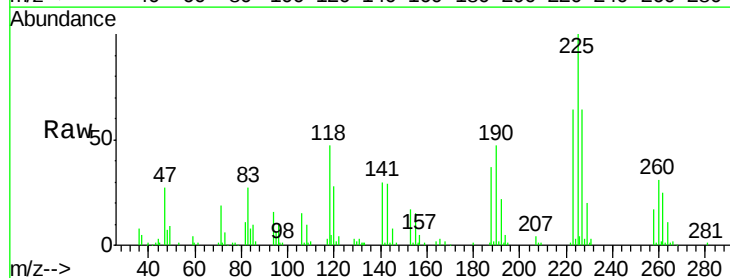
Manual Integrations
 APPROVED

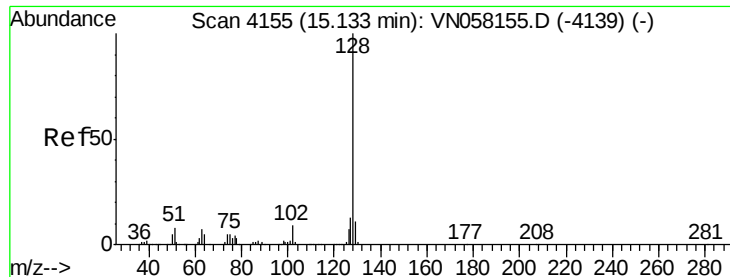
MMDadoda
 9/20/2019 1:44:05 PM



#94
 Hexachlorobutadiene
 Concen: 20.402 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058178.D
 Acq: 18 Sep 2019 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	32.6	97.7	
227	64.4	33.0	99.0	





#95

Naphthalene

Concen: 21.541 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Instrument :

MSVOA_N

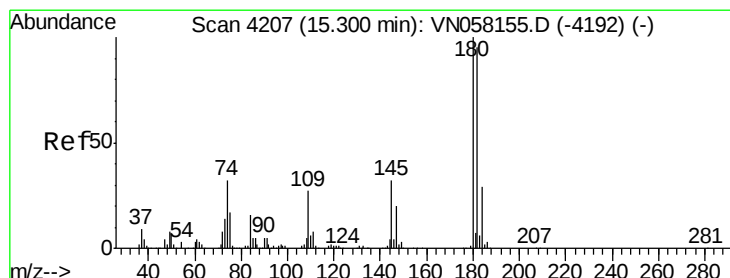
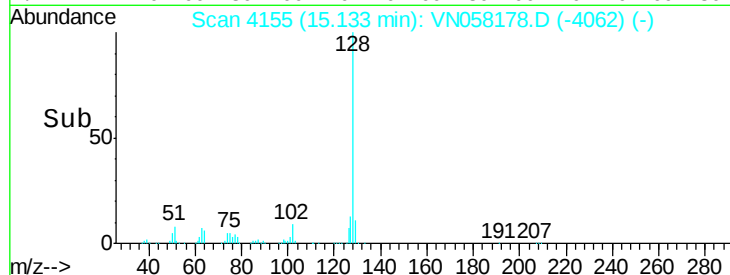
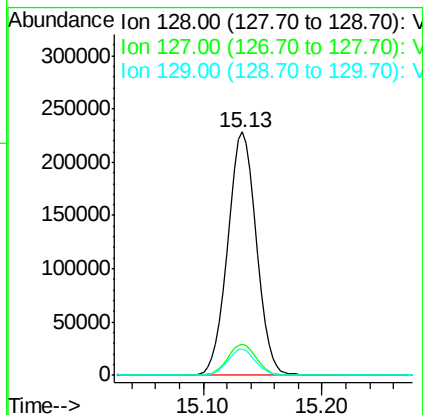
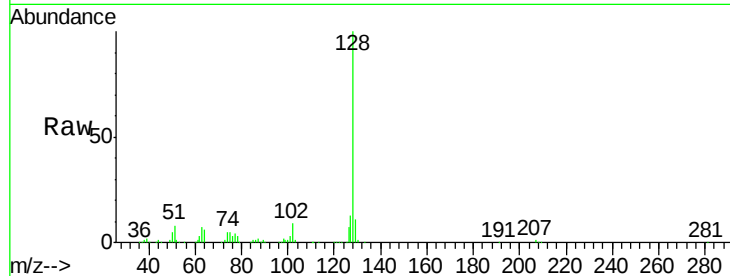
ClientSampleId :

VN0918WBSD01

Tot Ion:	128	Resp:	381521
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/20/2019 1:44:05 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.986 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058178.D

Acq: 18 Sep 2019 21:18

Tgt Ion:	180	Resp:	135558
Ion Ratio	Lower	Upper	
180	100		
182	93.3	47.4	142.2
145	31.6	16.1	48.2

