

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058204.D
 Acq On : 19 Sep 2019 14:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 3:37:27 PM

Quant Time: Sep 20 08:03:03 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	488445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	823801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	764696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	378721	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	358998	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
35) Dibromofluoromethane	7.57	113	256748	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
50) Toluene-d8	10.08	98	1037546	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
62) 4-Bromofluorobenzene	12.40	95	379283	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	184672	46.025	ug/l	98
3) Chloromethane	2.04	50	149931	48.445	ug/l	99
4) Vinyl Chloride	2.17	62	165752	48.990	ug/l	99
5) Bromomethane	2.54	94	87350	48.807	ug/l	95
6) Chloroethane	2.68	64	109957	50.782	ug/l	99
7) Trichlorofluoromethane	3.00	101	251137	45.855	ug/l	99
8) Diethyl Ether	3.39	74	116834	46.557	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	185894	47.077	ug/l	99
10) Methyl Iodide	3.93	142	150725	45.553	ug/l	99
11) Tert butyl alcohol	4.76	59	213360	263.654	ug/l	100
12) 1,1-Dichloroethene	3.72	96	148563	49.573	ug/l	98
13) Acrolein	3.59	56	26805	223.511	ug/l	100
14) Allyl chloride	4.30	41	305539	47.287	ug/l	99
15) Acrylonitrile	4.96	53	562358	260.827	ug/l	100
16) Acetone	3.79	43	546972	236.862	ug/l	99
17) Carbon Disulfide	4.03	76	182904	43.398	ug/l	100
18) Methyl Acetate	4.30	43	295392	48.613	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	743372	49.913	ug/l	98
20) Methylene Chloride	4.53	84	204571	50.601	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	159317	48.780	ug/l	98
22) Diisopropyl ether	5.93	45	818096	49.843	ug/l	95
23) Vinyl Acetate	5.87	43	2994269	266.609	ug/l	100
24) 1,1-Dichloroethane	5.83	63	423534	48.348	ug/l	99
25) 2-Butanone	6.81	43	806999	256.511	ug/l	99
26) 2,2-Dichloropropane	6.81	77	351440	47.289	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	238144	48.078	ug/l	98
28) Bromochloromethane	7.18	49	210058	50.689	ug/l	100
29) Tetrahydrofuran	7.19	42	489902	252.802	ug/l	99
30) Chloroform	7.36	83	456172	48.377	ug/l	100
31) Cyclohexane	7.64	56	274914	48.476	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	363585	50.650	ug/l	99
36) 1,1-Dichloropropene	7.78	75	265327	44.662	ug/l	98
37) Ethyl Acetate	6.91	43	314108	50.948	ug/l	100
38) Carbon Tetrachloride	7.76	117	284152	47.582	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	274029	47.710	ug/l	97
40) Benzene	8.03	78	865745	47.712	ug/l	99
41) Methacrylonitrile	7.16	41	158931	51.149	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	367540	48.272	ug/l	99
43) Isopropyl Acetate	8.15	43	569561	49.465	ug/l	99
44) Trichloroethene	8.82	130	211670	47.669	ug/l	100
45) 1,2-Dichloropropane	9.11	63	269400	49.715	ug/l	97
46) Dibromomethane	9.20	93	164501	49.931	ug/l	97
47) Bromodichloromethane	9.39	83	354328	51.337	ug/l	96
48) Methyl methacrylate	9.19	41	269090	51.471	ug/l	99
49) 1,4-Dioxane	9.19	88	90307	1052.116	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1751996	286.466	ug/l	99
52) Toluene	10.15	92	547677	48.161	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	373531	52.832	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	402422	51.554	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	258596	51.242	ug/l	99
56) Ethyl methacrylate	10.43	69	387620	53.235	ug/l	99
57) 1,3-Dichloropropane	10.71	76	435620	50.212	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	940256	271.101	ug/l	99
59) 2-Hexanone	10.75	43	1274080	280.498	ug/l	99
60) Dibromochloromethane	10.90	129	261680	53.899	ug/l	100
61) 1,2-Dibromoethane	11.00	107	238807	51.062	ug/l	100
64) Tetrachloroethene	10.63	164	169945	45.590	ug/l	100
65) Chlorobenzene	11.43	112	644643	47.927	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	253868	52.052	ug/l	99
67) Ethyl Benzene	11.51	91	1158236	50.255	ug/l	99
68) m/p-Xylenes	11.62	106	842673	97.079	ug/l	97
69) o-Xylene	11.95	106	428140	50.162	ug/l	98
70) Styrene	11.97	104	751748	51.118	ug/l	99
71) Bromoform	12.13	173	167308	46.538	ug/l #	100
73) Isopropylbenzene	12.25	105	1211407	51.102	ug/l	100
74) N-amyl acetate	12.07	43	533293	53.776	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	404236	50.922	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	387479m	57.168	ug/l	
77) Bromobenzene	12.53	156	285144	47.819	ug/l	98
78) n-propylbenzene	12.60	91	1417269	52.613	ug/l	99
79) 2-Chlorotoluene	12.68	91	846882	50.304	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1039876	51.875	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	105479	46.743	ug/l	97
82) 4-Chlorotoluene	12.78	91	904014	51.084	ug/l	100
83) tert-Butylbenzene	13.00	119	919214	51.420	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1054434	52.857	ug/l	100
85) sec-Butylbenzene	13.18	105	1241659	53.116	ug/l	100
86) p-Isopropyltoluene	13.29	119	1119663	53.876	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	553049	50.779	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	548632	49.342	ug/l	100
89) n-Butylbenzene	13.62	91	1028650	52.208	ug/l	99
90) Hexachloroethane	13.88	117	173302	47.693	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	553992	50.708	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75863	53.082	ug/l	99

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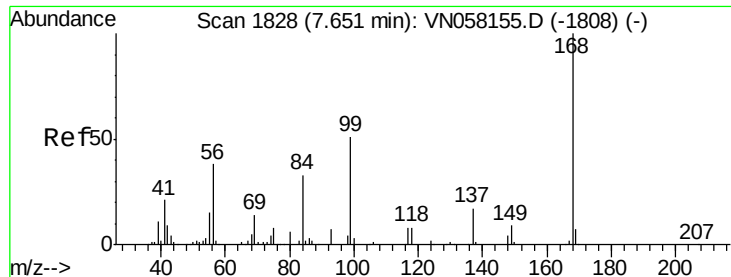
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	351838	50.404	ug/l	99
94) Hexachlorobutadiene	15.01	225	162901	48.284	ug/l	100
95) Naphthalene	15.13	128	974900	53.892	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	335854	50.905	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: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 488445

Ion Ratio Lower Upper

168 100

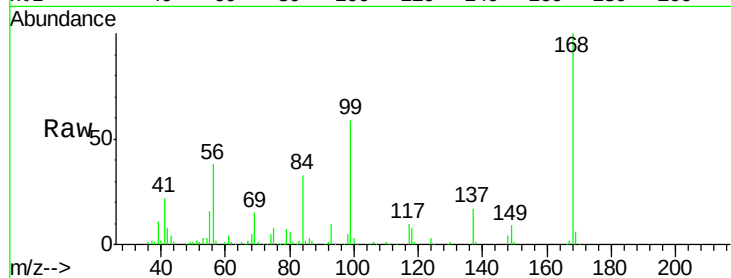
99 58.7 47.4 71.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

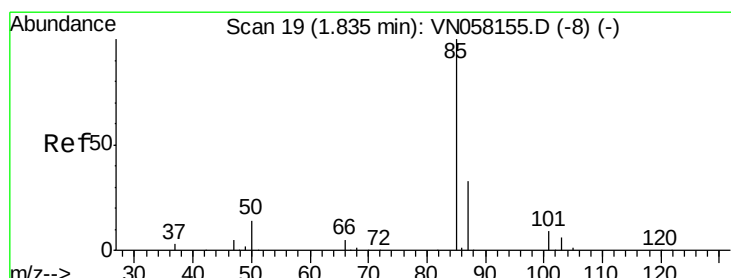
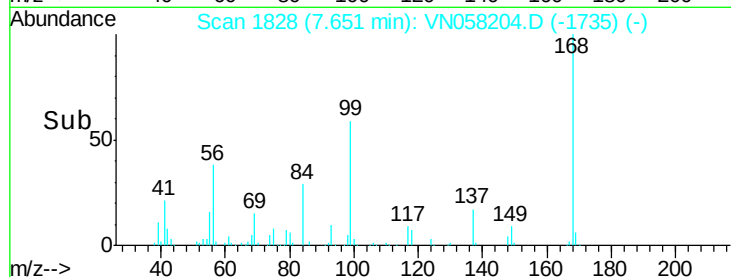
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.025 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058204.D

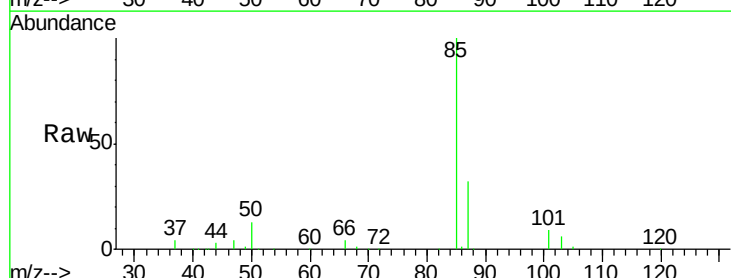
Acq: 19 Sep 2019 14:53

Tgt Ion: 85 Resp: 184672

Ion Ratio Lower Upper

85 100

87 31.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

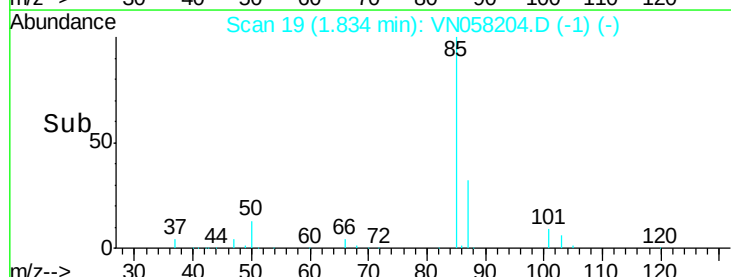
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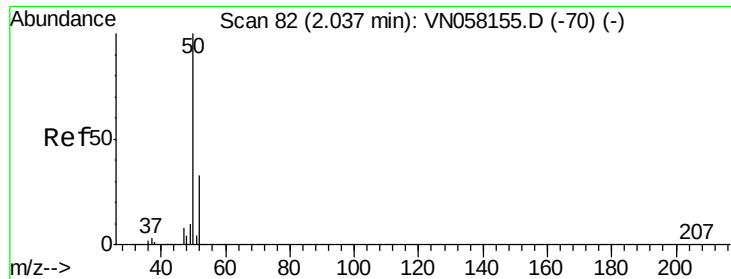
100000

50000

0

Time-->





#3

Chloromethane

Concen: 48.445 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Tot Ion: 50 Resp: 149931

Ion Ratio Lower Upper

50 100

52 32.6 26.3 39.5

Instrument :

MSVOA_N

ClientSampleId :

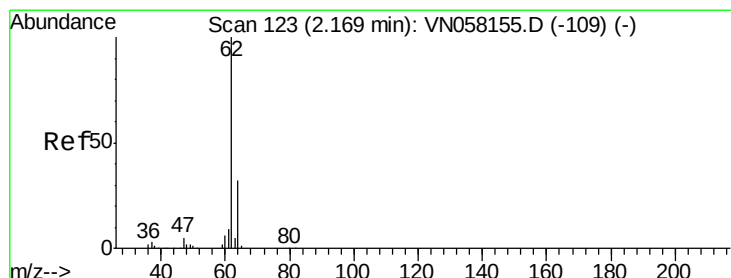
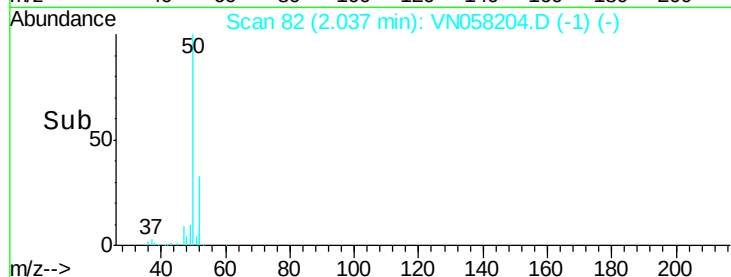
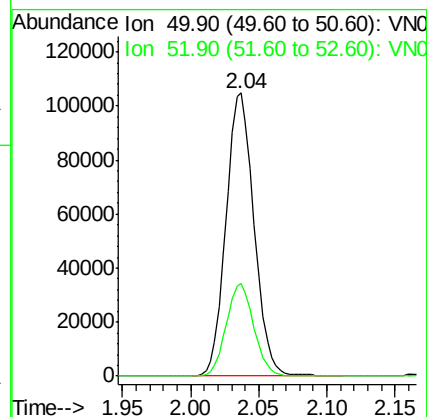
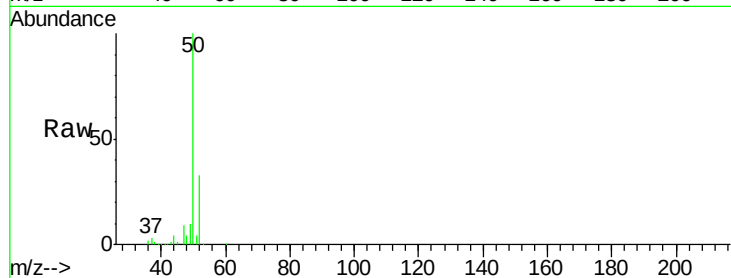
VSTDCCC050EC

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.990 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058204.D

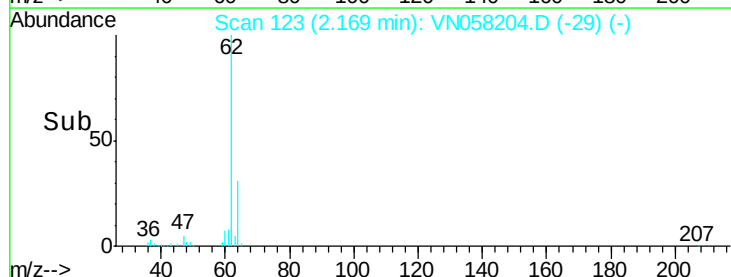
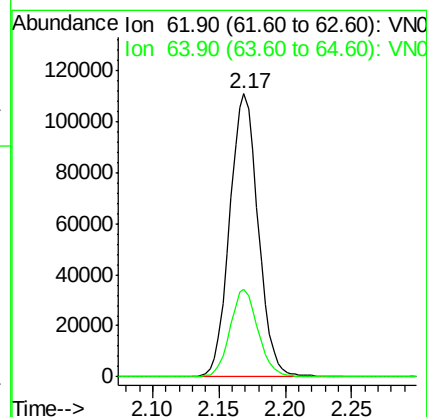
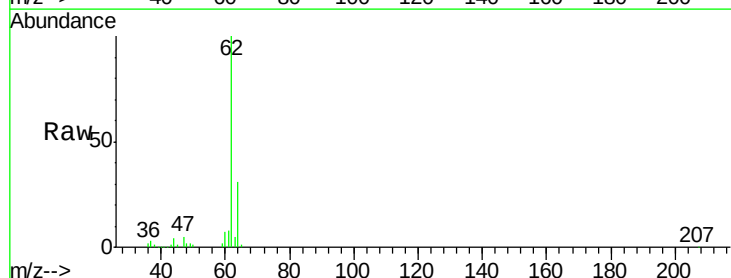
Acq: 19 Sep 2019 14:53

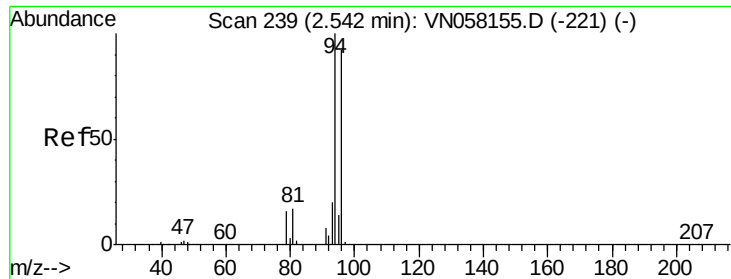
Tgt Ion: 62 Resp: 165752

Ion Ratio Lower Upper

62 100

64 31.0 25.4 38.2





#5

Bromomethane

Concen: 48.807 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 94 Resp: 87350

Ion Ratio Lower Upper

94 100

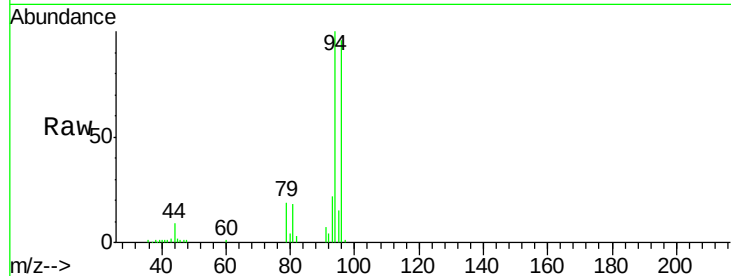
96 96.2 73.3 109.9

Manual Integrations

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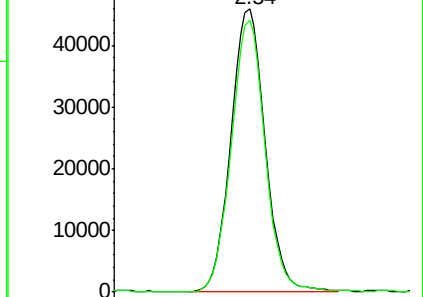
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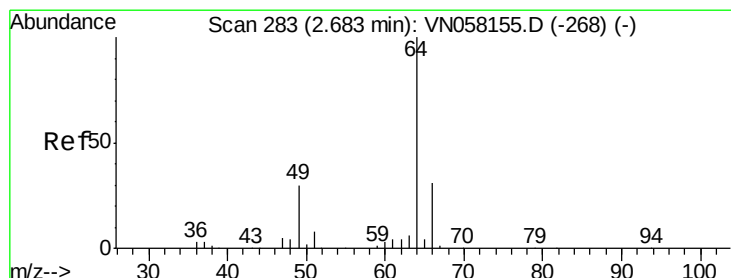
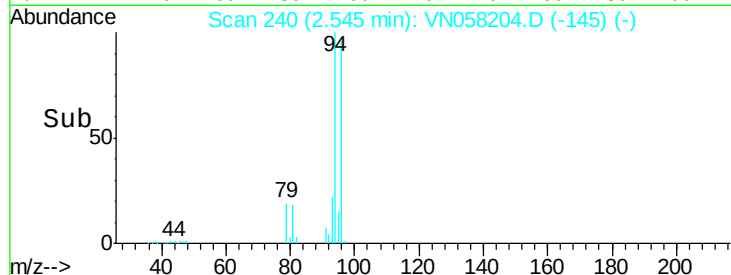


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 50.782 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058204.D

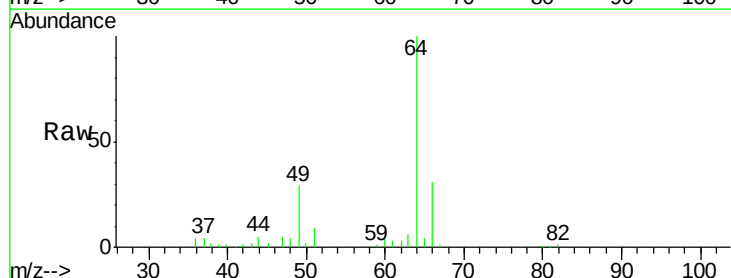
Acq: 19 Sep 2019 14:53

Tgt Ion: 64 Resp: 109957

Ion Ratio Lower Upper

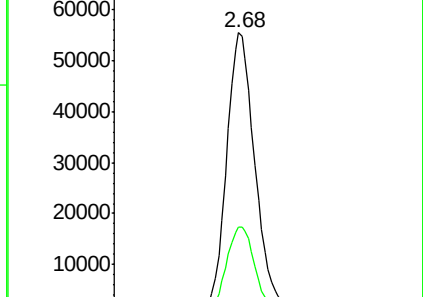
64 100

66 31.3 24.6 37.0

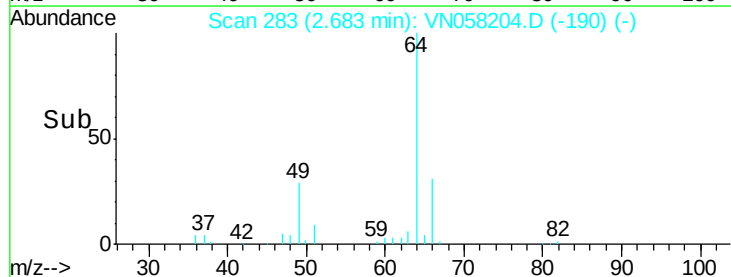


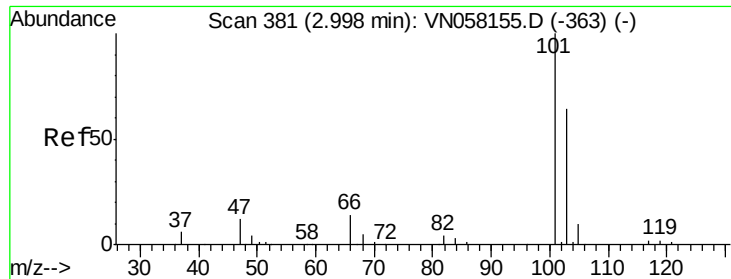
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

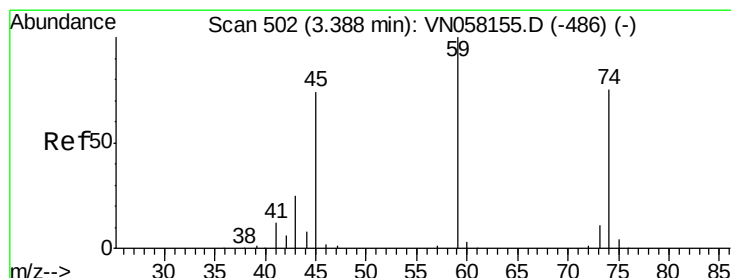
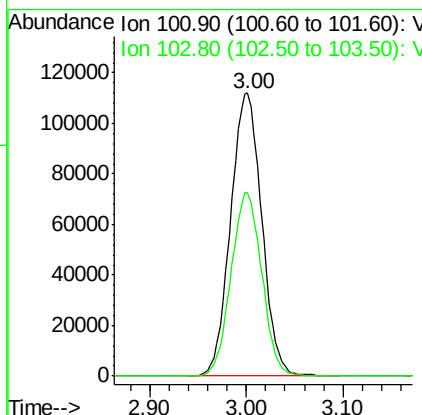
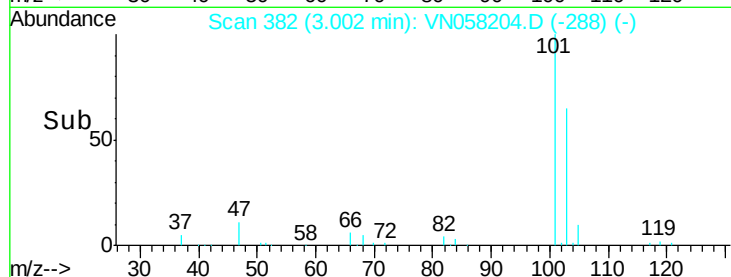
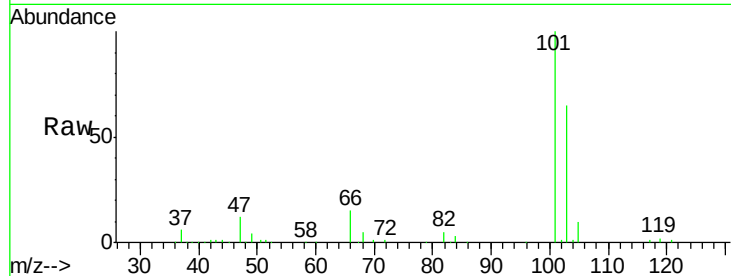
Trichlorofluoromethane
Concen: 45.855 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 251137
Ion Ratio Lower Upper
101 100
103 64.8 51.0 76.6

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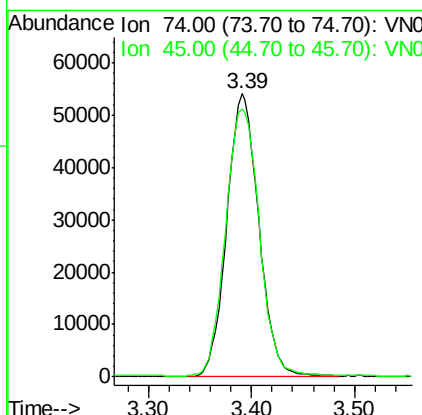
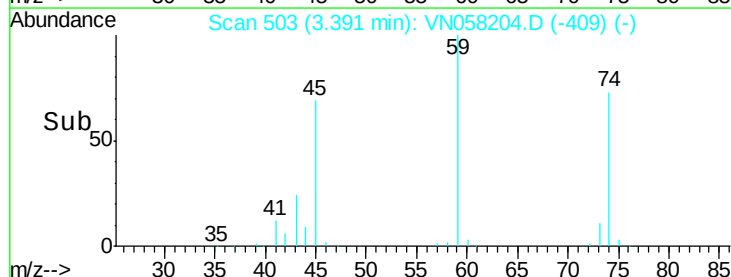
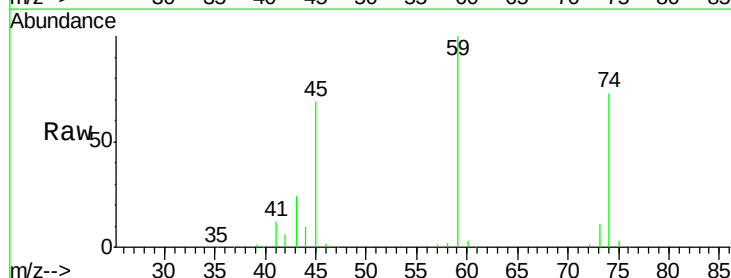
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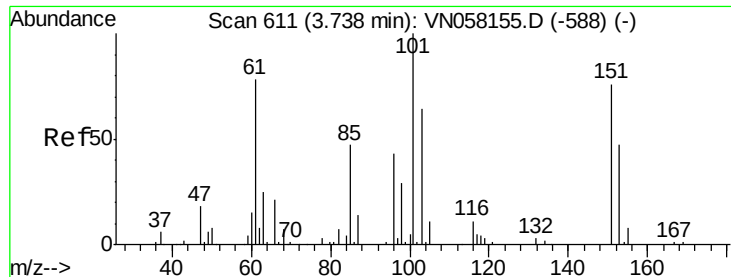


#8

Diethyl Ether
Concen: 46.557 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion: 74 Resp: 116834
Ion Ratio Lower Upper
74 100
45 101.3 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.077 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

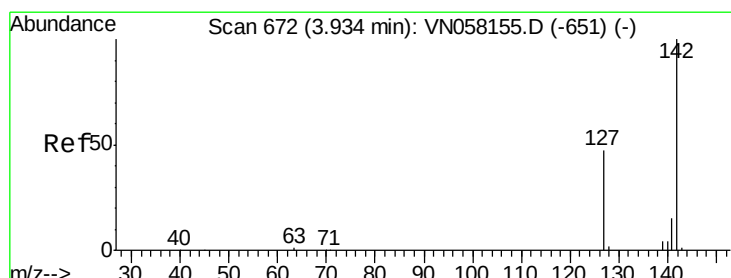
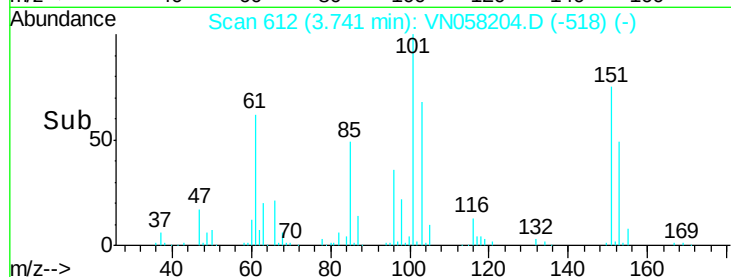
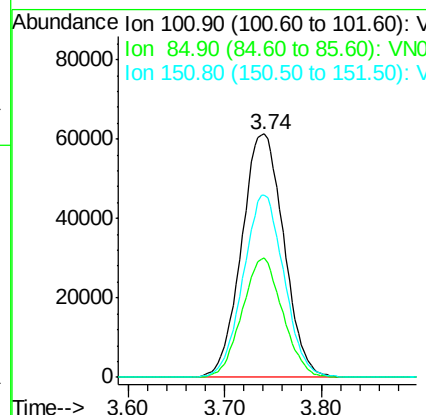
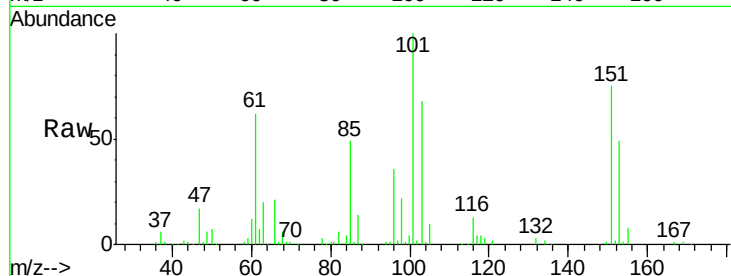
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	185894
Ion Ratio	Lower	Upper	
101	100		
85	47.0	37.3	55.9
151	72.8	59.6	89.4

Manual Integrations
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#10

Methyl Iodide

Concen: 45.553 ug/l

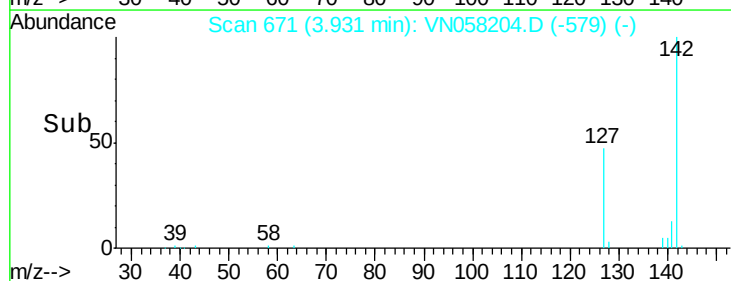
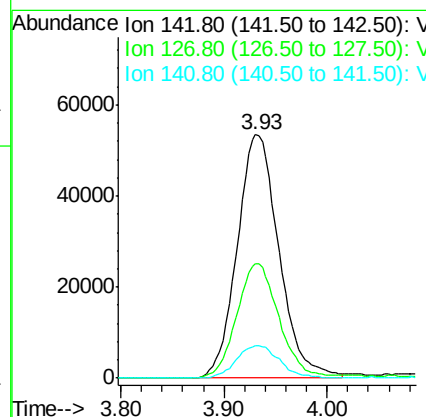
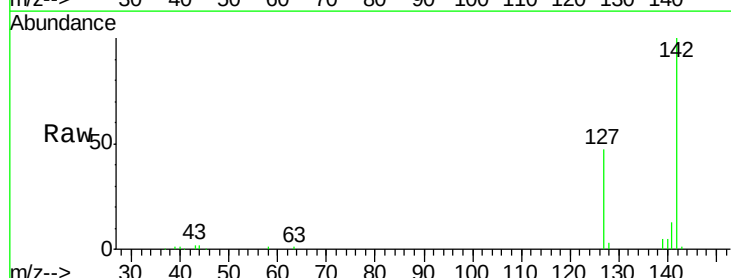
RT: 3.93 min Scan# 671

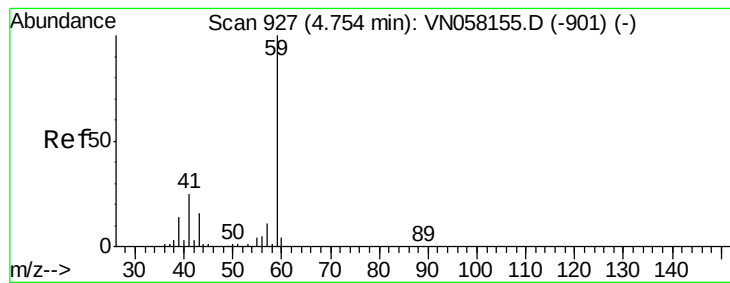
Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Tgt Ion:	142	Resp:	150725
Ion Ratio	Lower	Upper	
142	100		
127	47.5	37.5	56.3
141	13.7	11.4	17.2





#11

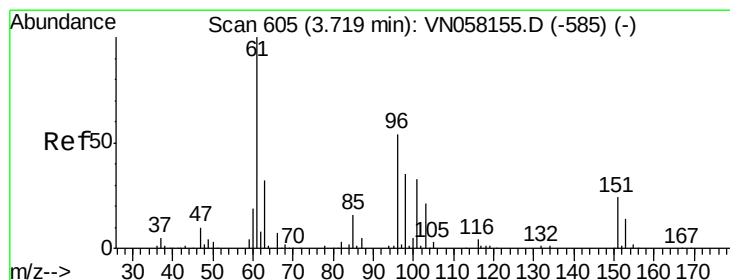
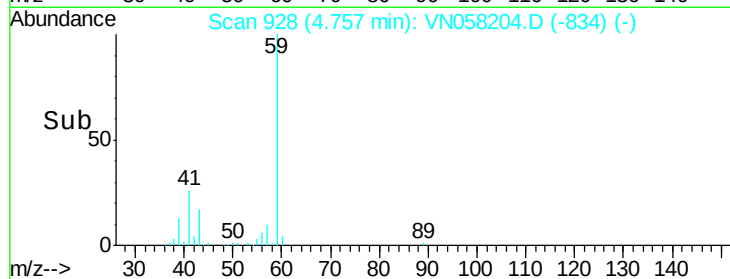
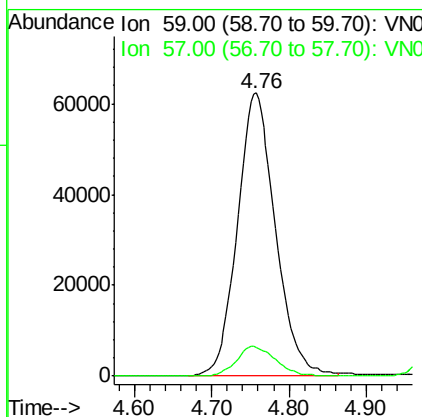
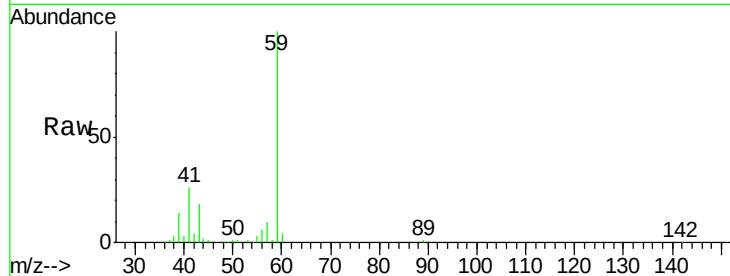
Tert butyl alcohol
Concen: 263.654 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	13.0

Manual Integrations
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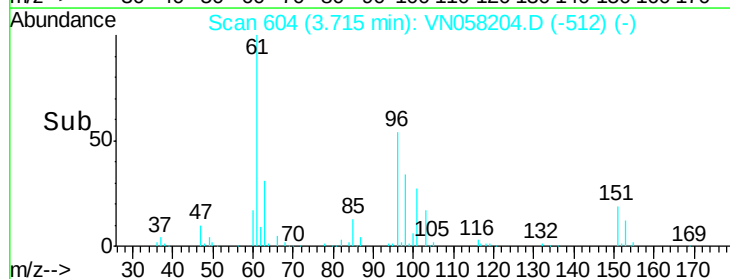
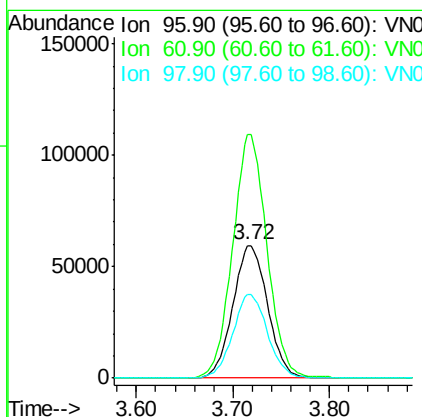
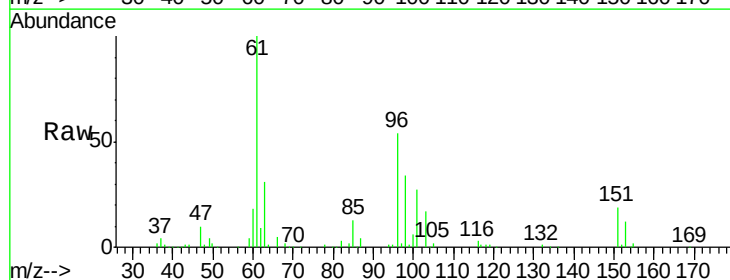
MMDadoda
9/20/2019 3:37:27 PM

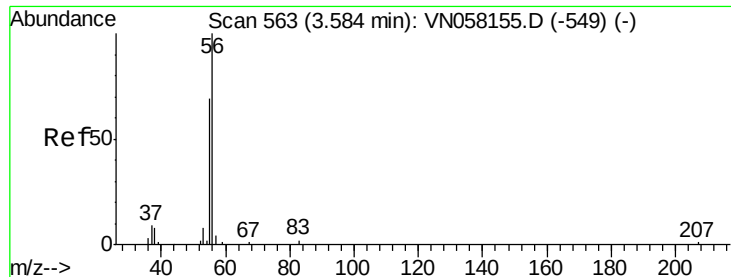


#12

1,1-Dichloroethene
Concen: 49.573 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.7	149.5	224.3
98	63.1	52.4	78.6





#13

Acrolein

Concen: 223.511 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 26805

Ion Ratio Lower Upper

56 100

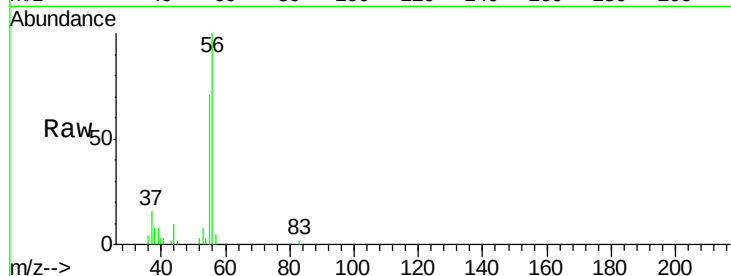
55 70.3 56.1 84.1

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

12000

10000

8000

6000

4000

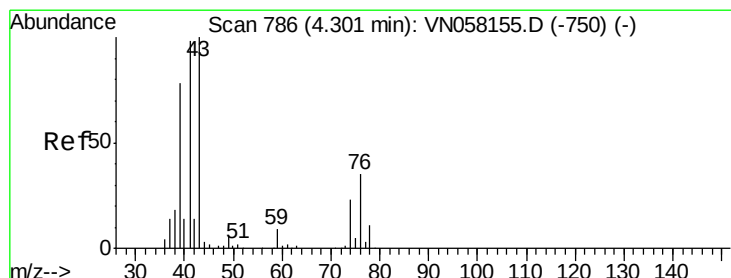
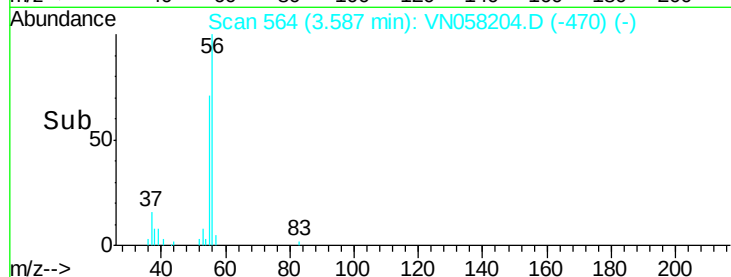
2000

0

Time-->

3.50 3.55 3.60 3.65 3.70

3.59



#14

Allyl chloride

Concen: 47.287 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

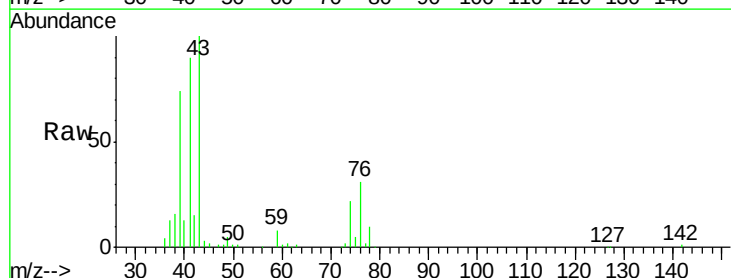
Tgt Ion: 41 Resp: 305539

Ion Ratio Lower Upper

41 100

39 75.2 59.1 88.7

76 31.6 25.1 37.7



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

120000

100000

80000

60000

40000

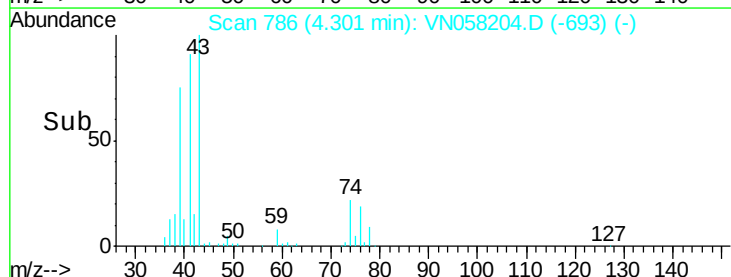
20000

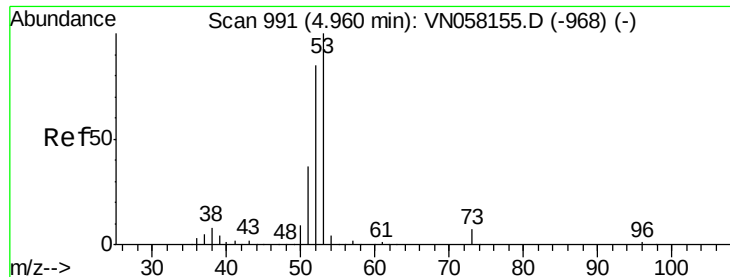
0

Time-->

4.10 4.20 4.30 4.40

4.30





#15

Acrylonitrile

Concen: 260.827 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

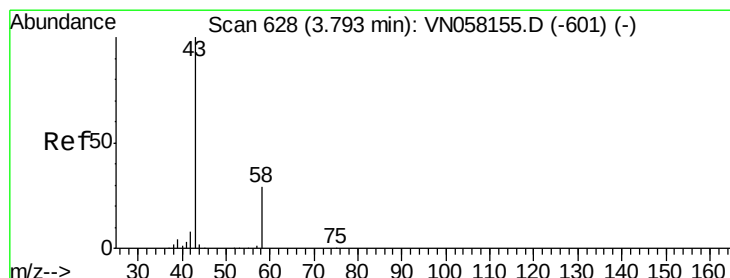
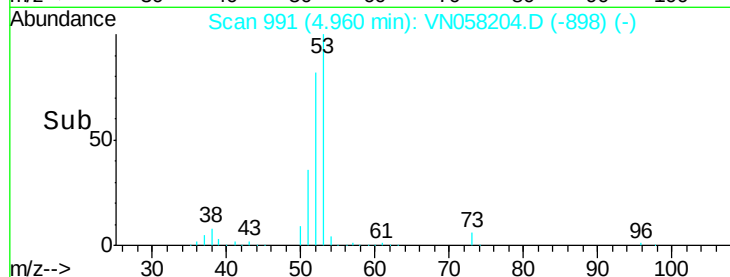
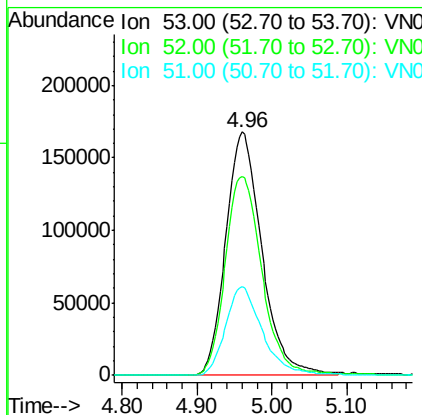
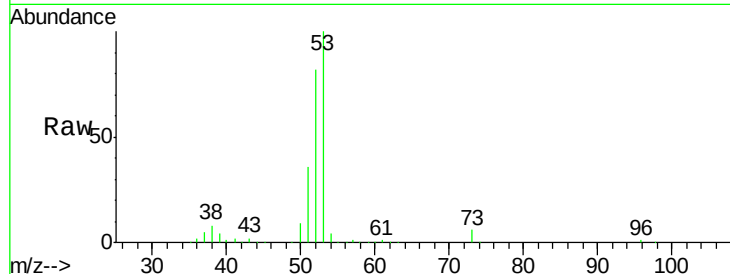
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	562358
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.6	100.0
51	37.3	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 236.862 ug/l

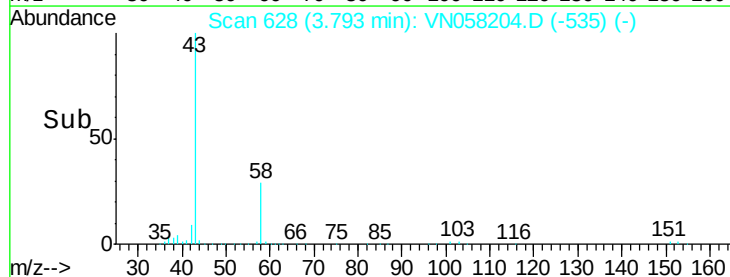
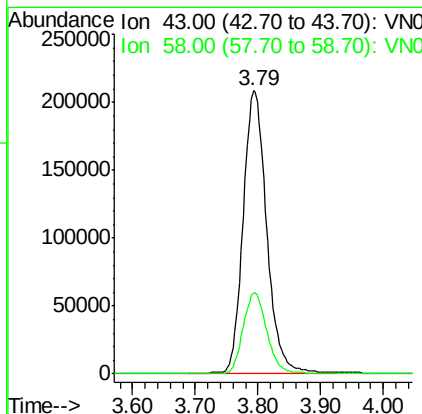
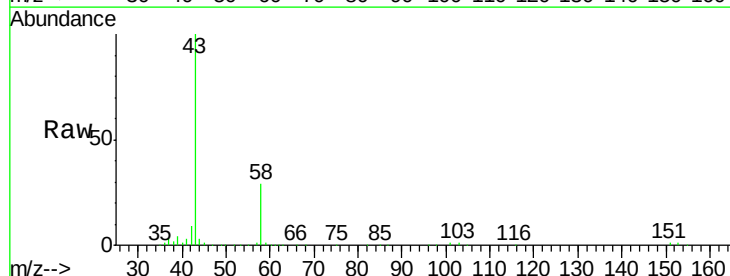
RT: 3.79 min Scan# 628

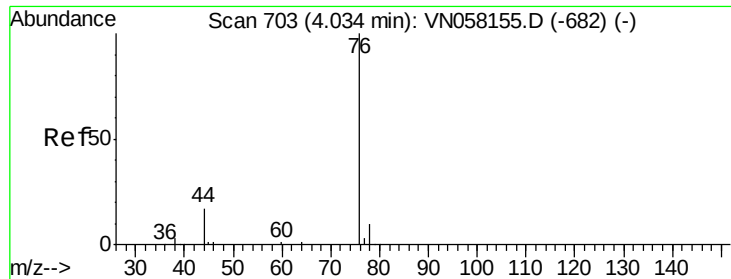
Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Tgt Ion:	43	Resp:	546972
Ion Ratio	Lower	Upper	
43	100		
58	28.7	23.4	35.2





#17

Carbon Disulfide

Concen: 43.398 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 182904

Ion Ratio Lower Upper

76 100

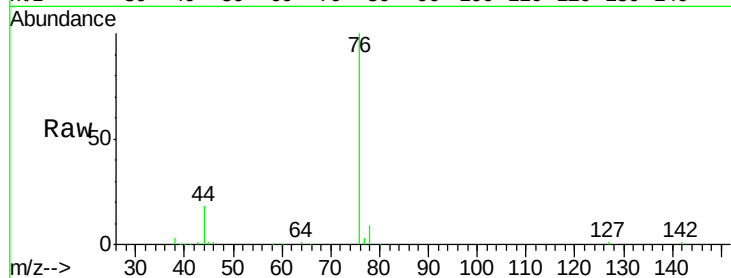
78 9.5 7.7 11.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

80000

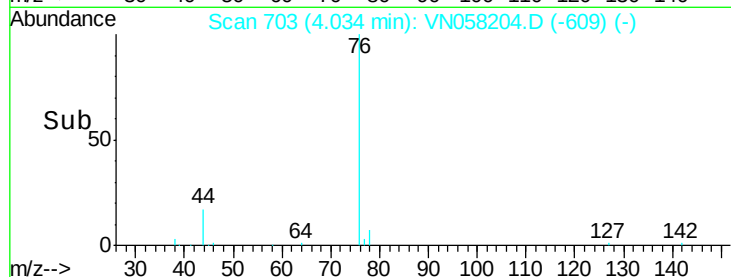
60000

40000

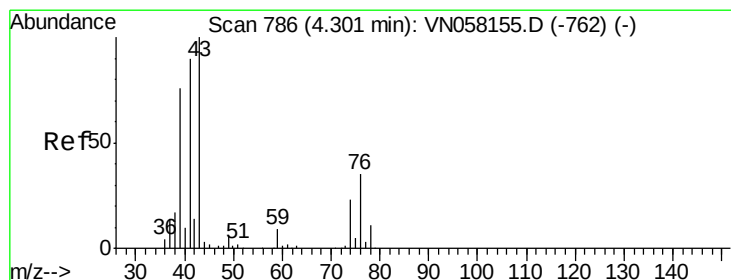
20000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 48.613 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058204.D

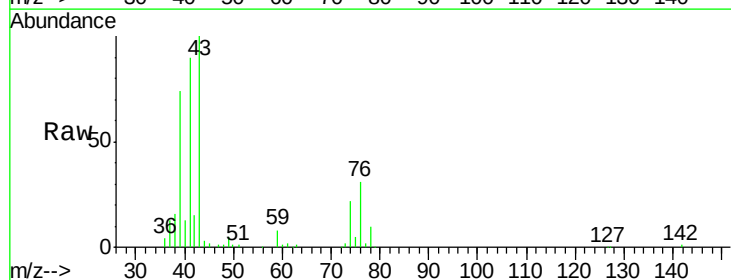
Acq: 19 Sep 2019 14:53

Tgt Ion: 43 Resp: 295392

Ion Ratio Lower Upper

43 100

74 22.4 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.30

120000

100000

80000

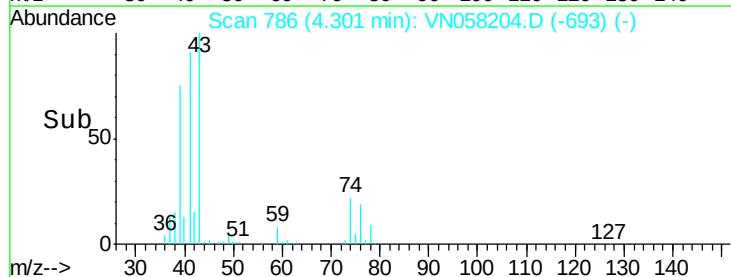
60000

40000

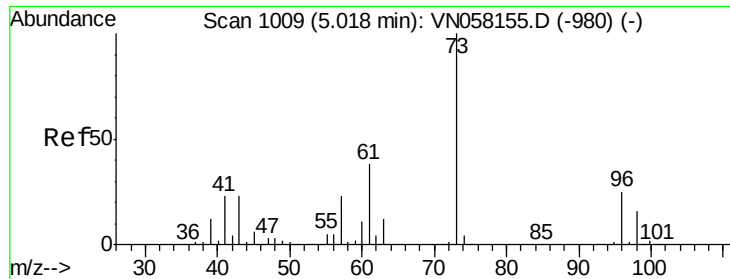
20000

0

Time-->



Time-->



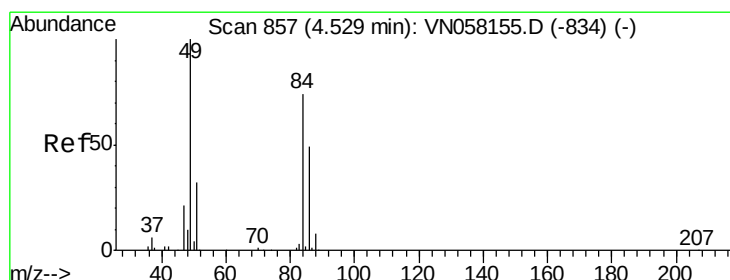
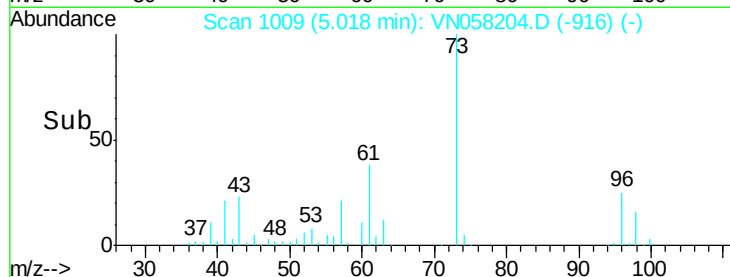
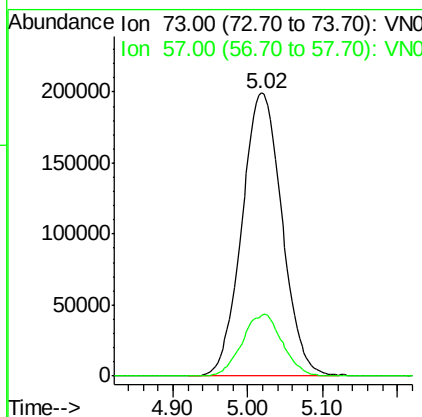
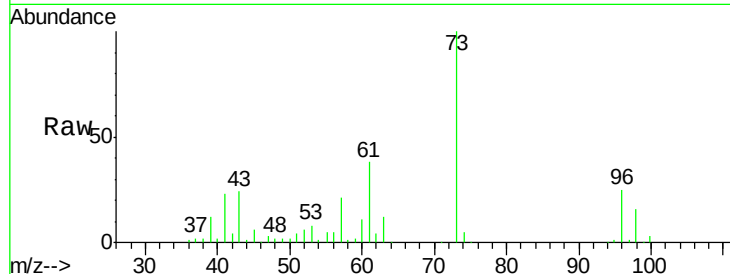
#19
Methyl tert-butyl Ether
Concen: 49.913 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 743372
Ion Ratio Lower Upper
73 100
57 21.4 18.1 27.1

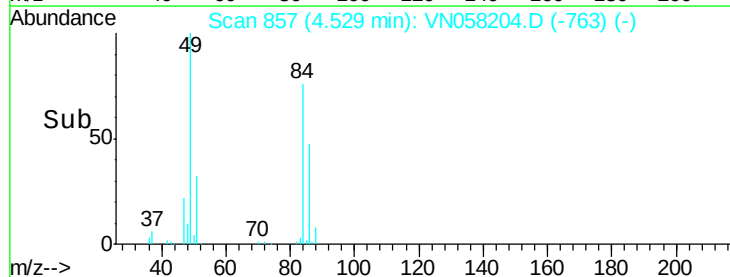
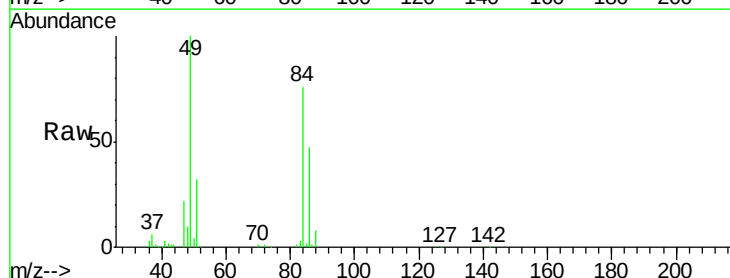
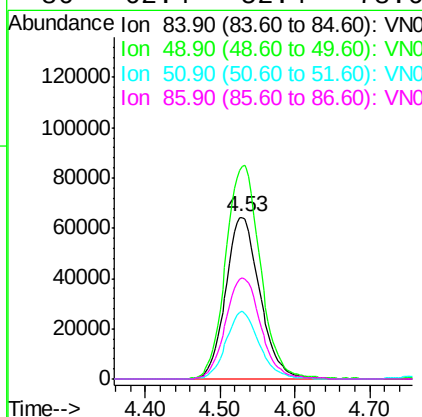
Manual Integrations
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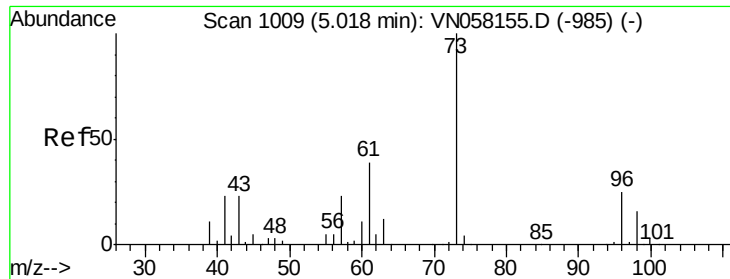
MMDadoda
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#20
Methylene Chloride
Concen: 50.601 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion: 84 Resp: 204571
Ion Ratio Lower Upper
84 100
49 131.4 107.5 161.3
51 41.7 33.9 50.9
86 62.4 52.4 78.6





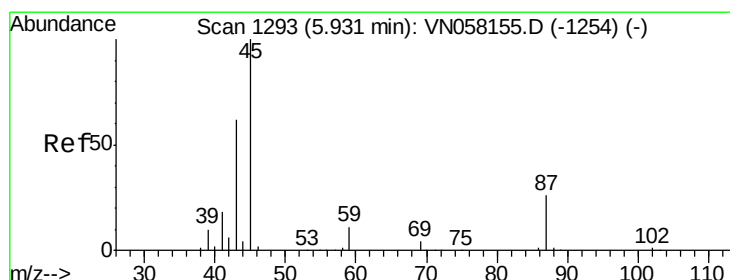
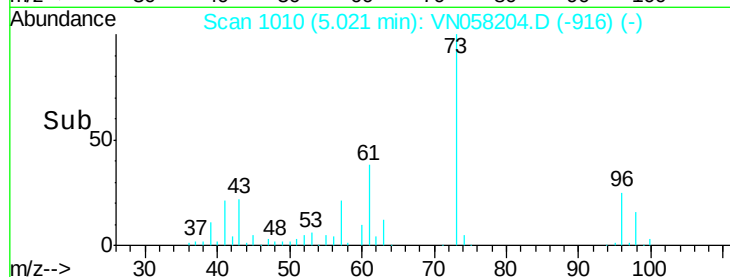
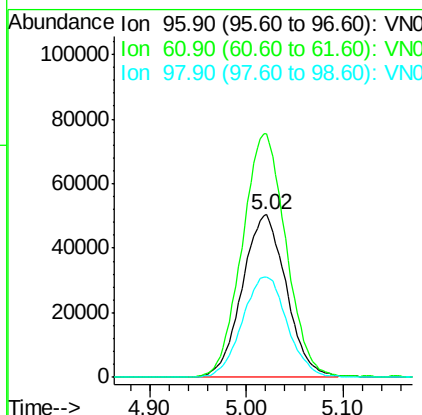
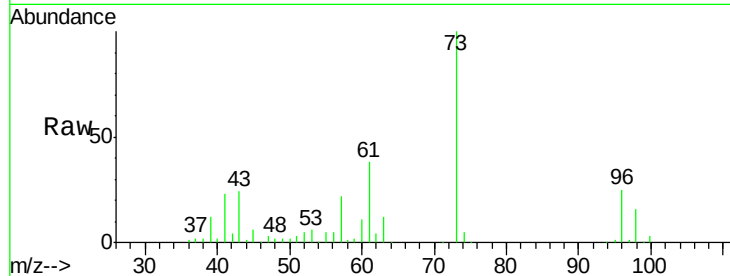
#21
trans-1,2-Dichloroethene
Concen: 48.780 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.5	122.2	183.4
98	61.9	49.9	74.9

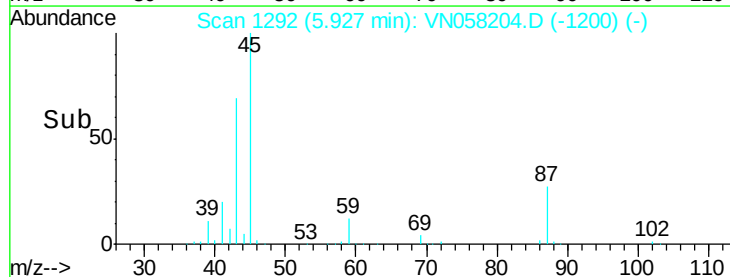
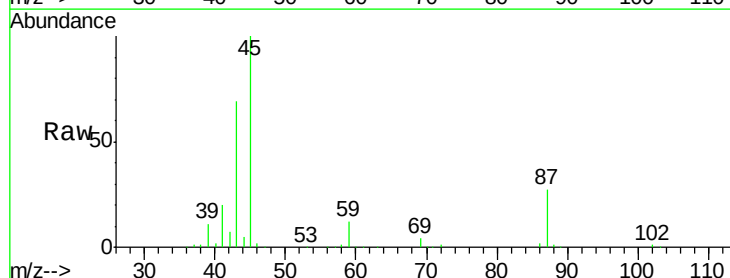
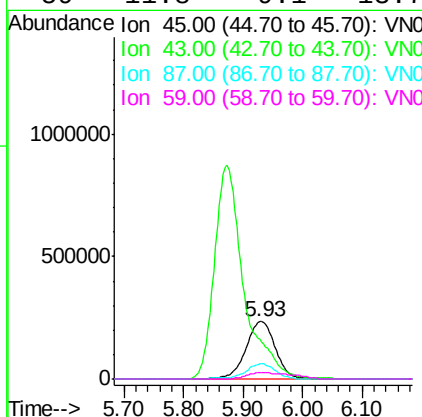
Manual Integrations
APPROVED

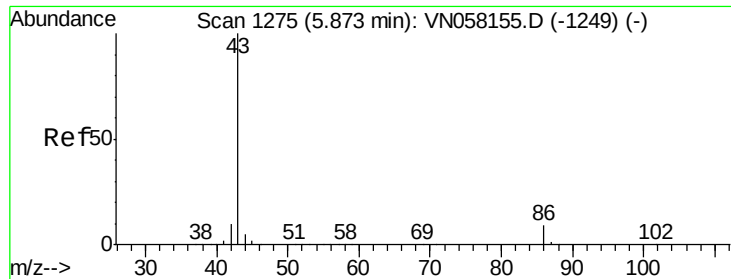
MMDadoda
9/20/2019 3:37:27 PM



#22
Diisopropyl ether
Concen: 49.843 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.2	49.7	74.5
87	26.4	20.7	31.1
59	11.8	9.1	13.7





#23

Vinyl Acetate

Concen: 266.609 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2994269

Ion Ratio Lower Upper

43 100

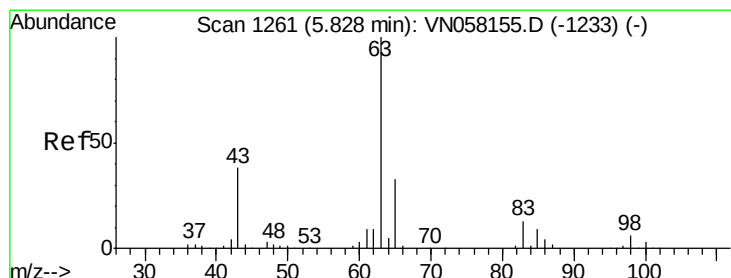
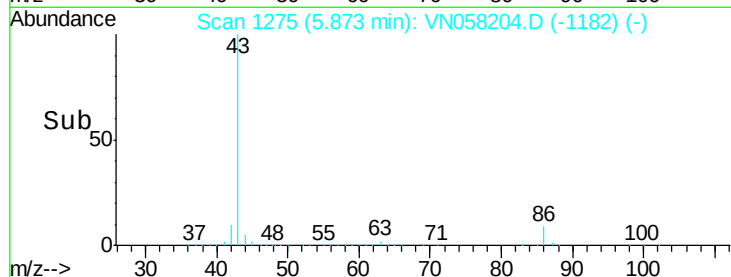
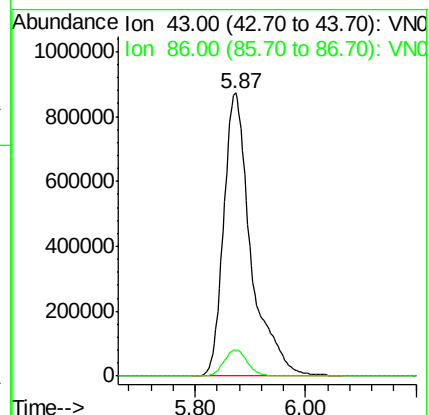
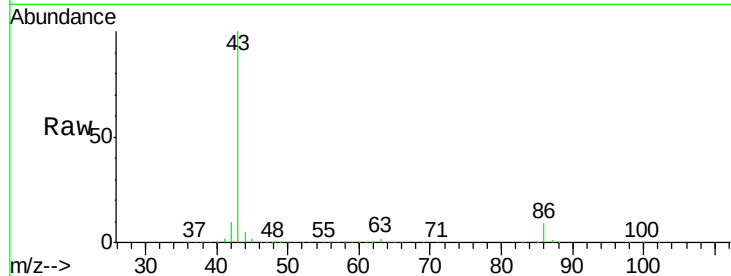
86 9.2 7.4 11.2

Manual Integrations

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9/20/2019 3:37:27 PM



#24

1,1-Dichloroethane

Concen: 48.348 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

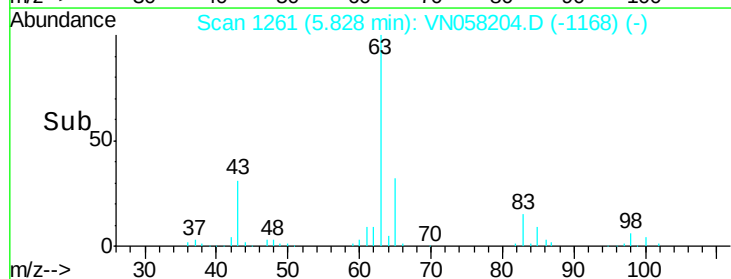
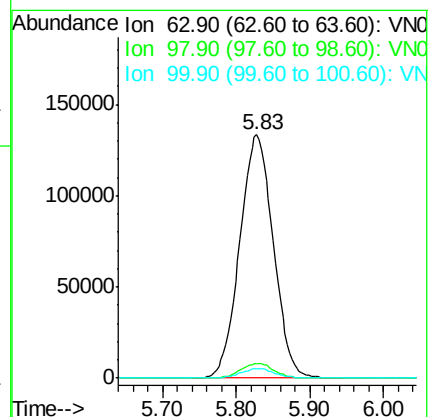
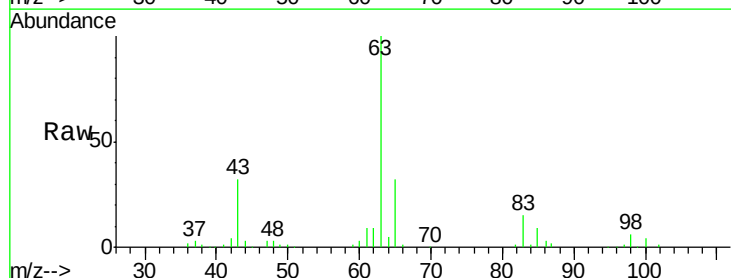
Tgt Ion: 63 Resp: 423534

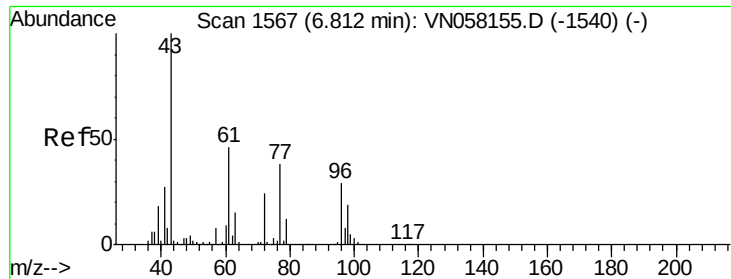
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 4.0 1.8 5.3





#25

2-Butanone

Concen: 256.511 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 806999

Ion Ratio Lower Upper

43 100

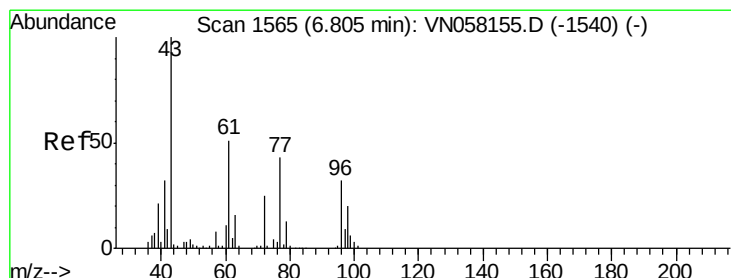
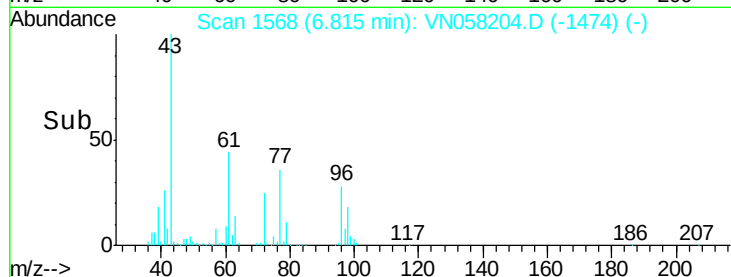
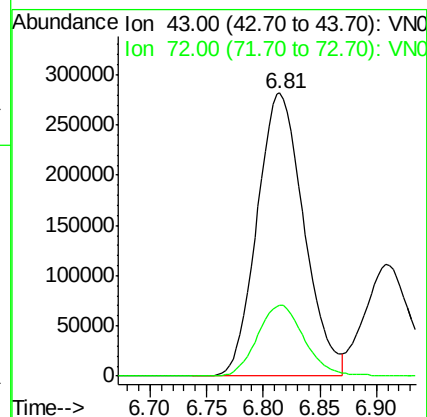
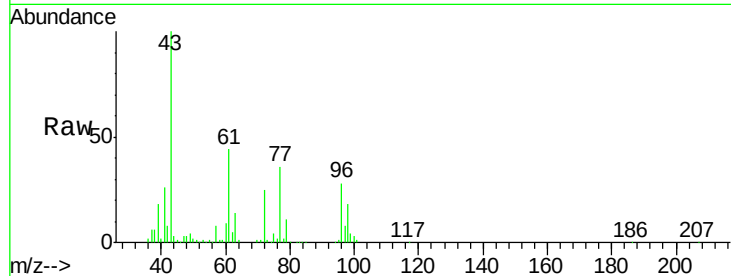
72 25.0 19.5 29.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.289 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058204.D

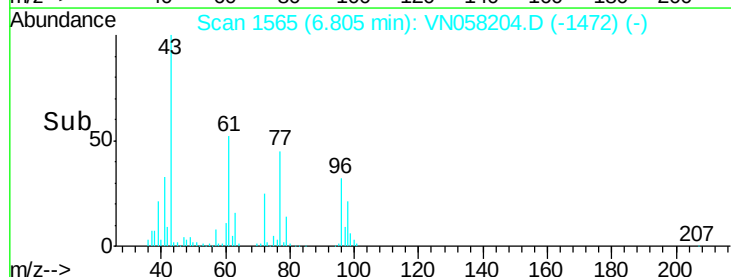
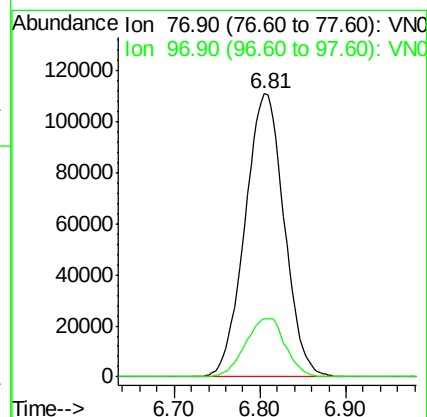
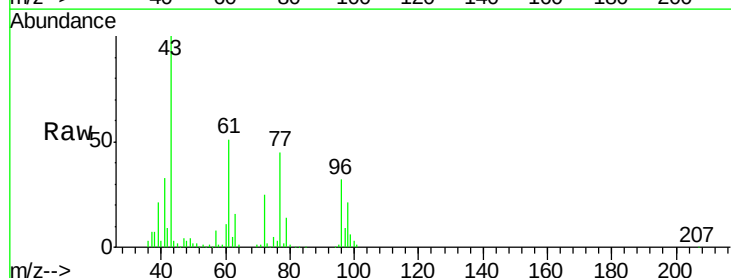
Acq: 19 Sep 2019 14:53

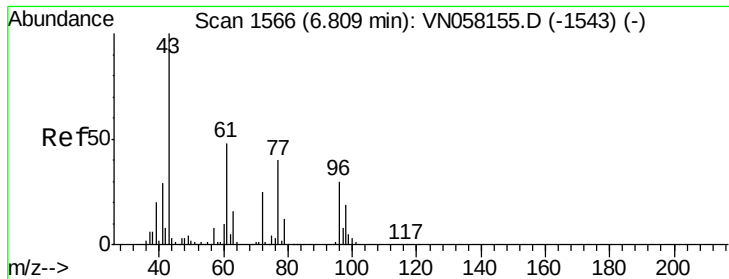
Tgt Ion: 77 Resp: 351440

Ion Ratio Lower Upper

77 100

97 21.1 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 48.078 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

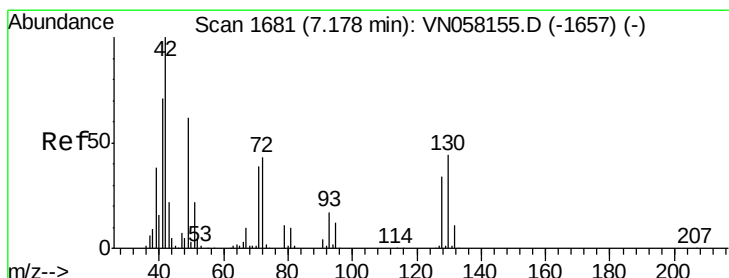
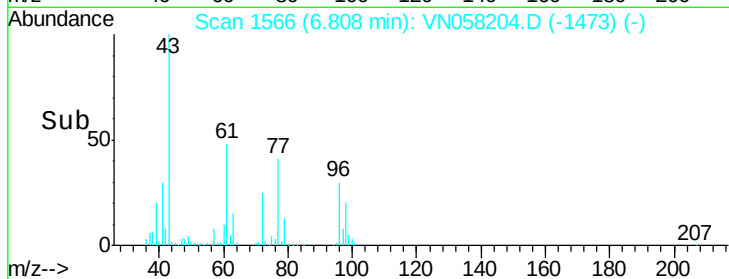
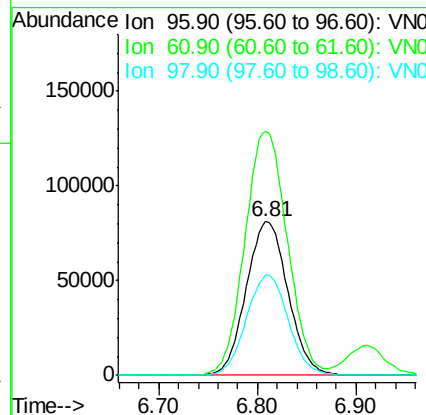
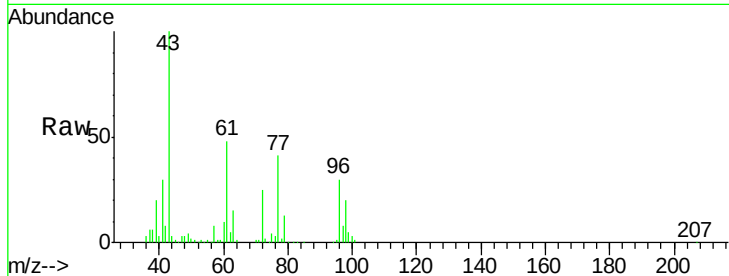
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	238144
Ion Ratio	Lower	Upper	
96	100		
61	161.1	0.0	319.0
98	65.7	0.0	126.6

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#28

Bromochloromethane

Concen: 50.689 ug/l

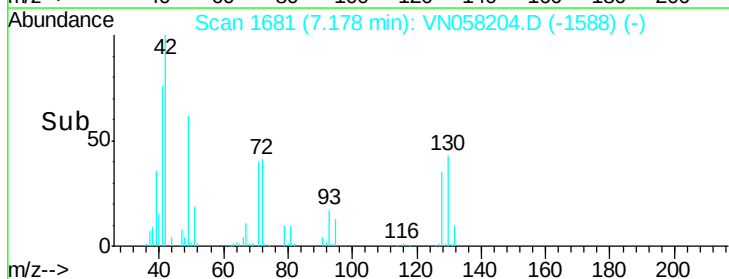
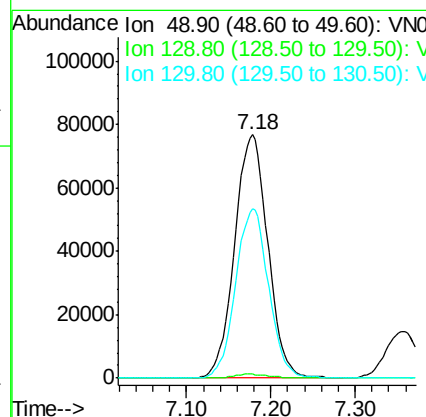
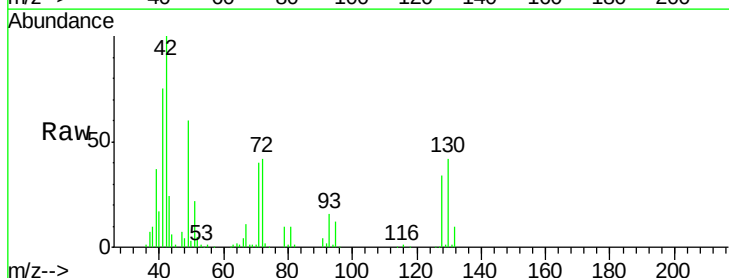
RT: 7.18 min Scan# 1681

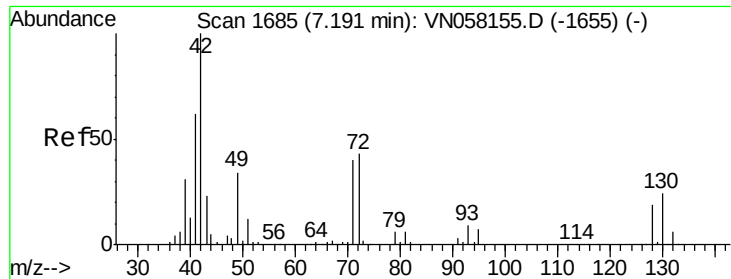
Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Tgt Ion:	49	Resp:	210058
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	1.8
130	69.1	55.4	83.2





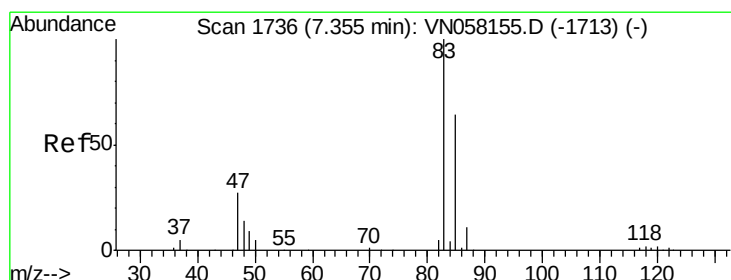
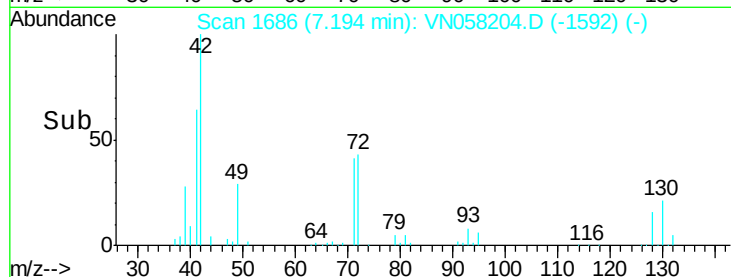
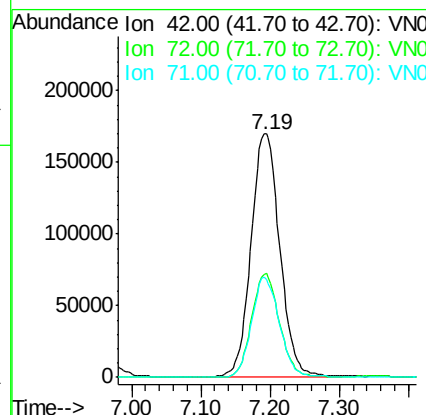
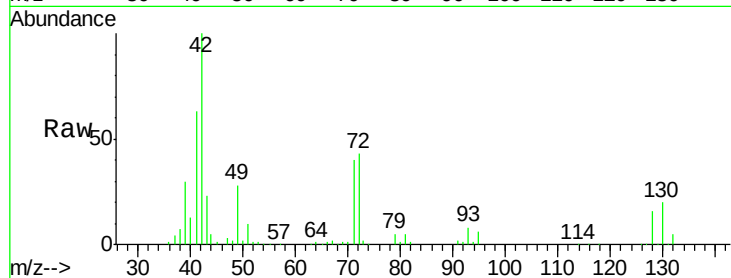
#29
Tetrahydrofuran
Concen: 252.802 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	33.8	50.6
71	39.8	31.4	47.0

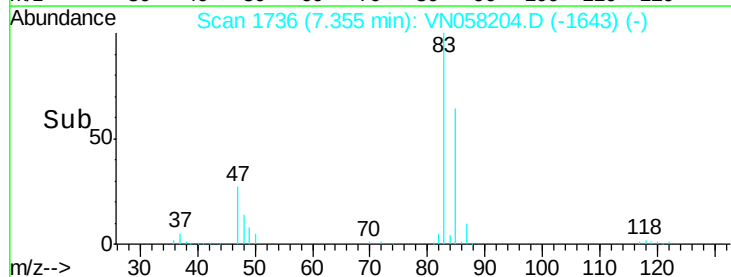
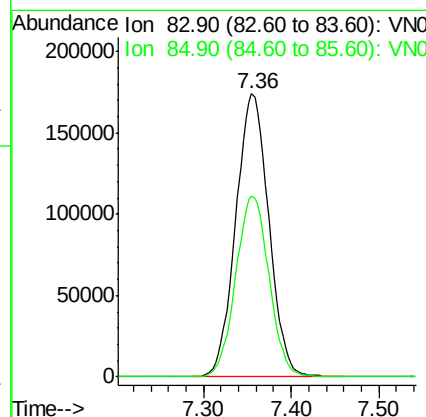
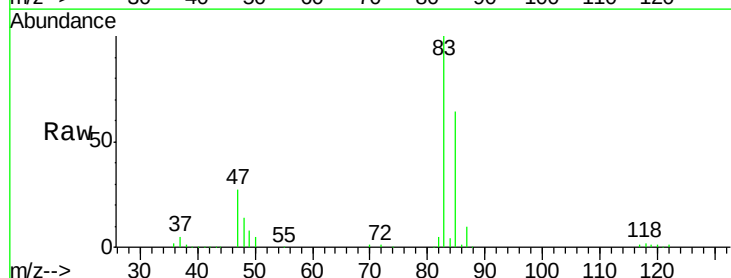
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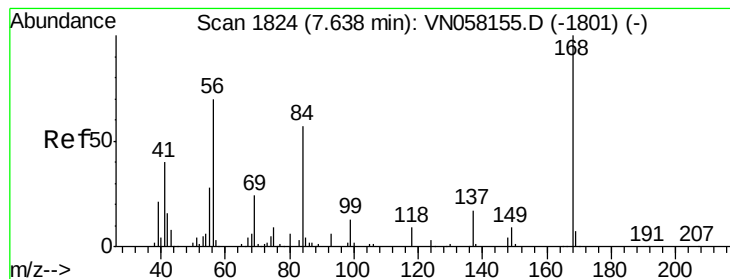
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#30
Chloroform
Concen: 48.377 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.4	77.2





#31

Cyclohexane

Concen: 48.476 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

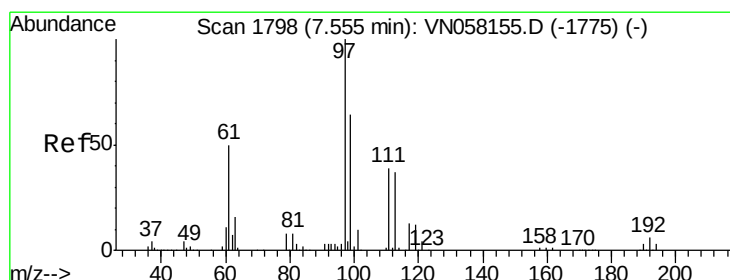
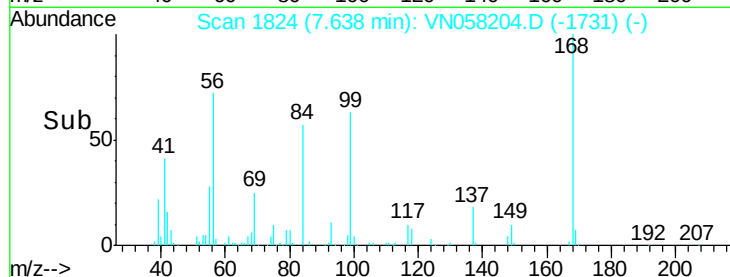
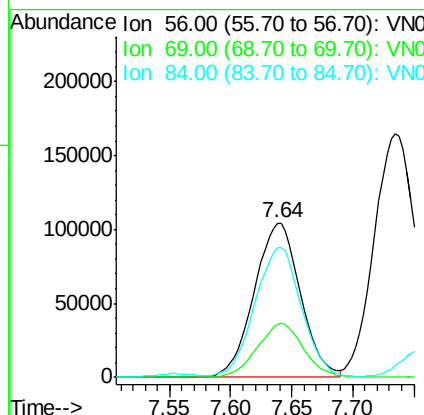
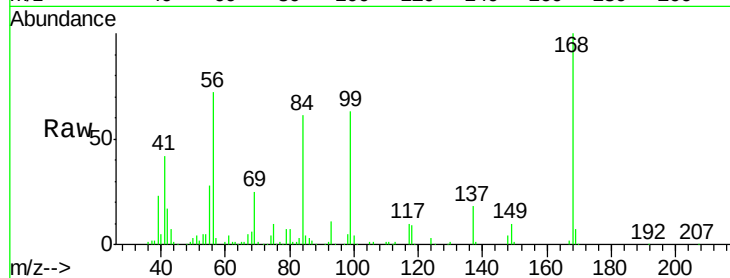
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	274914
Ion Ratio	Lower	Upper	
56	100		
69	34.5	27.3	40.9
84	81.8	65.0	97.4

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#32

1,1,1-Trichloroethane

Concen: 50.650 ug/l

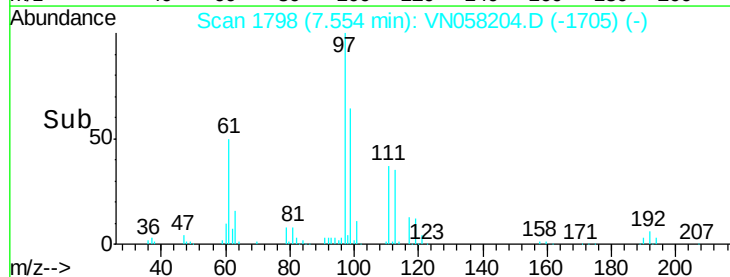
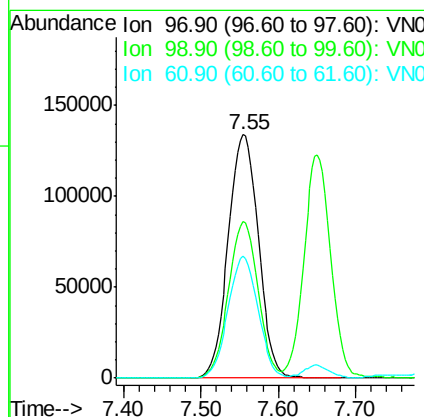
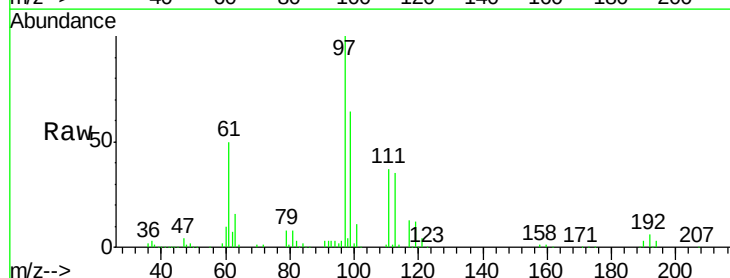
RT: 7.55 min Scan# 1798

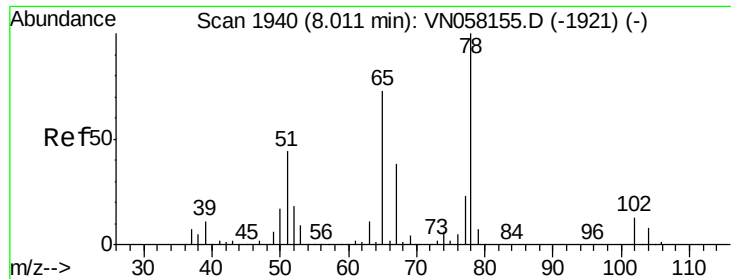
Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Tgt Ion:	97	Resp:	363585
Ion Ratio	Lower	Upper	
97	100		
99	62.7	50.9	76.3
61	49.6	39.2	58.8





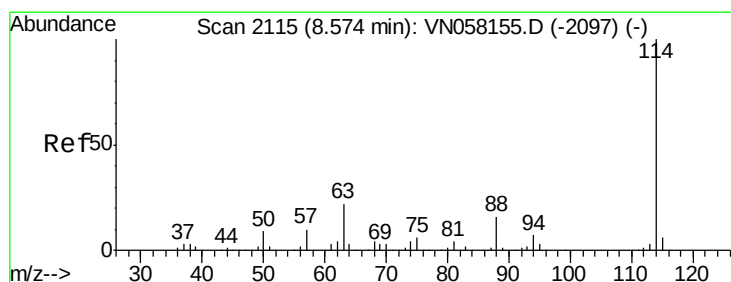
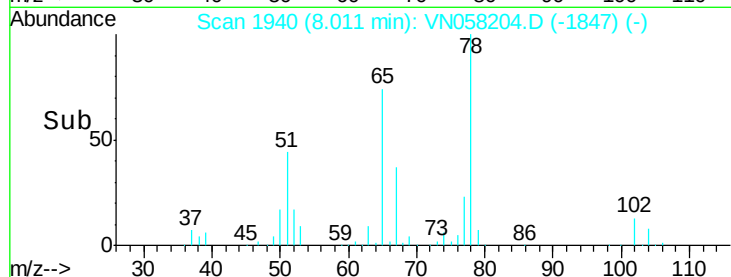
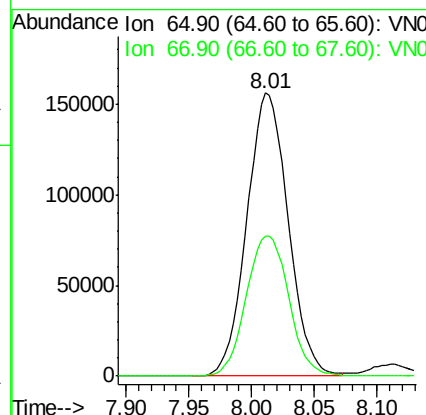
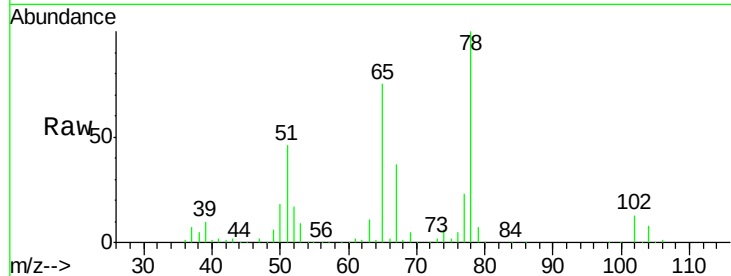
#33
 1,2-Dichloroethane-d4
 Concen: 52.770 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.0	0.0	103.4	

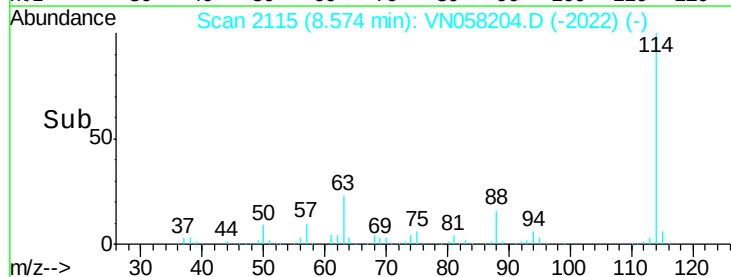
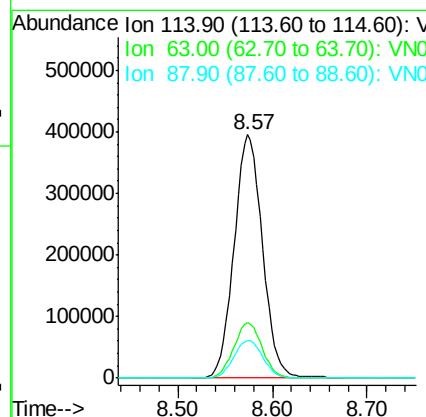
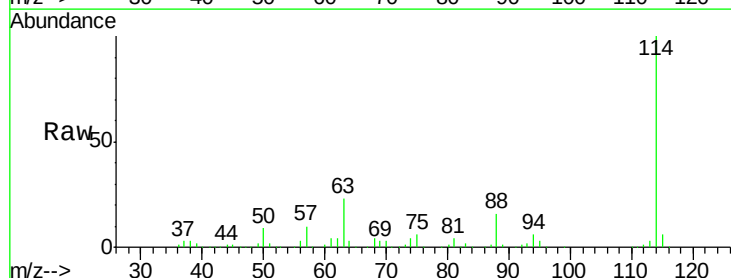
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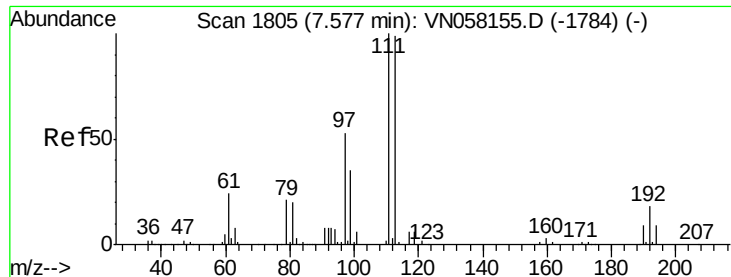
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.8	0.0	44.2	
88	15.6	0.0	31.6	





#35

Dibromofluoromethane

Concen: 51.267 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

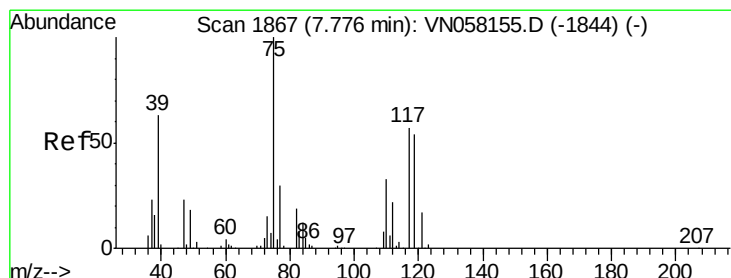
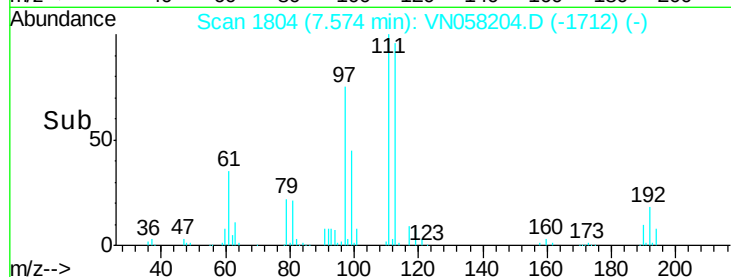
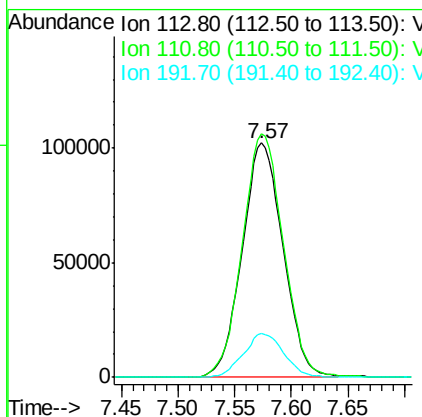
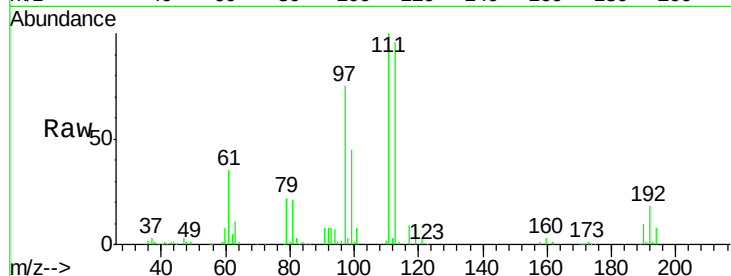
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	256748
Ion Ratio	Lower	Upper	
113	100		
111	104.9	81.8	122.6
192	18.6	14.5	21.7

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#36

1,1-Dichloropropene

Concen: 44.662 ug/l

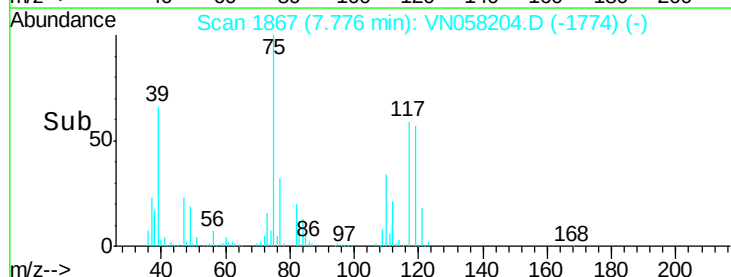
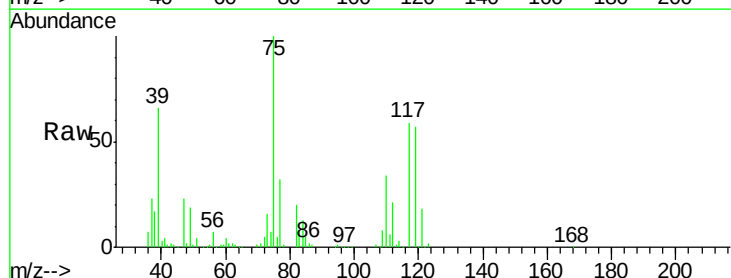
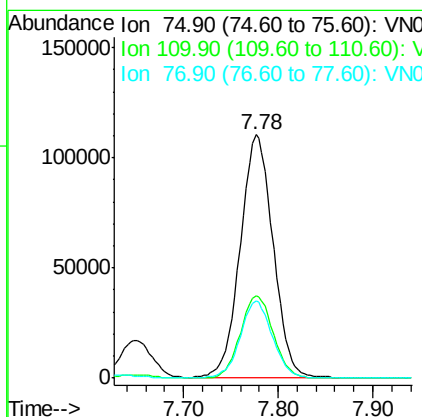
RT: 7.78 min Scan# 1867

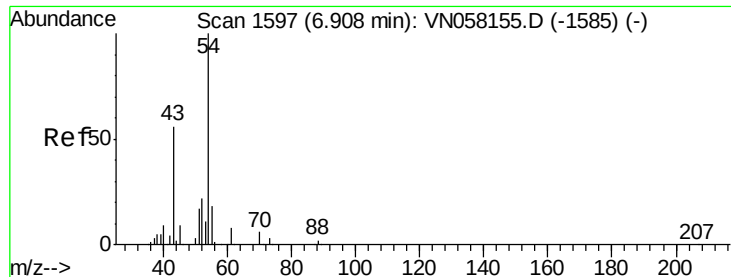
Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Tgt Ion:	75	Resp:	265327
Ion Ratio	Lower	Upper	
75	100		
110	34.0	16.6	49.7
77	31.4	24.3	36.5





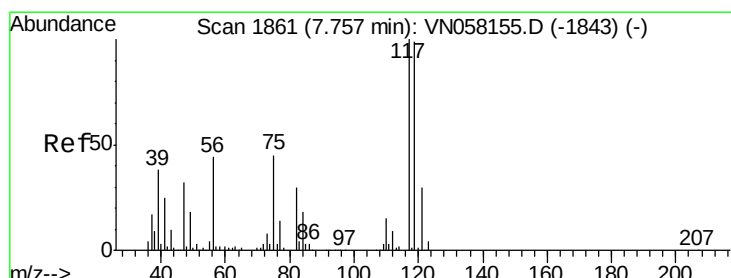
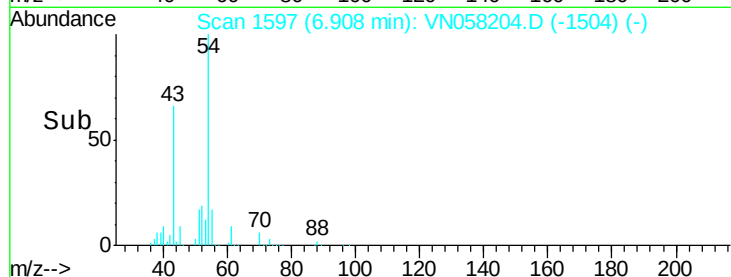
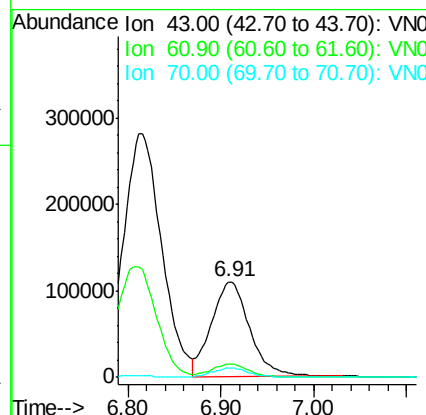
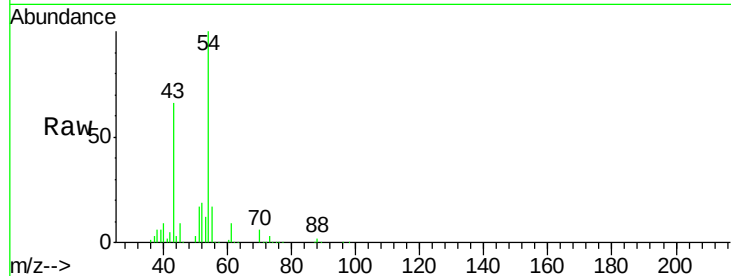
#37
Ethyl Acetate
Concen: 50.948 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	314108
Ion Ratio	100	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	9.5	7.6	11.4

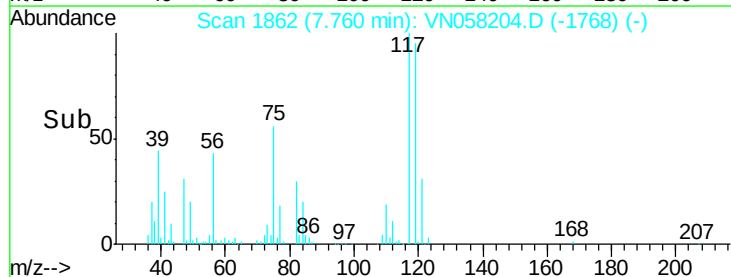
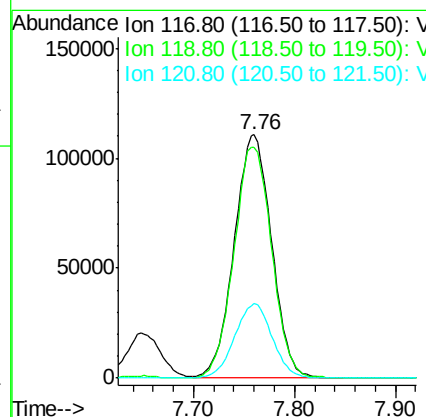
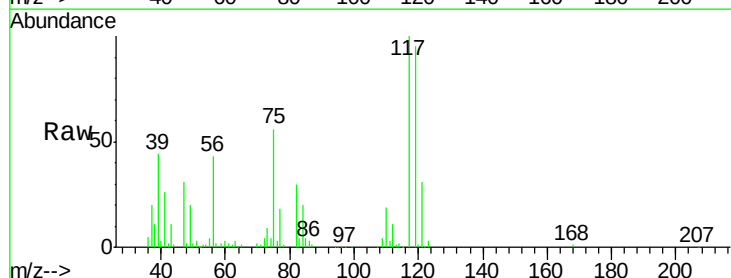
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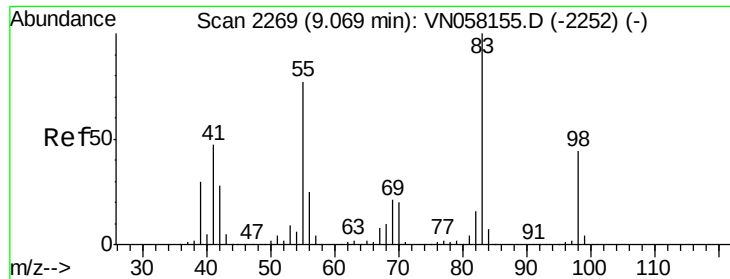
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#38
Carbon Tetrachloride
Concen: 47.582 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion	117	Resp	284152
Ion Ratio	100	Lower	Upper
117	100		
119	94.7	78.6	117.8
121	30.6	24.1	36.1





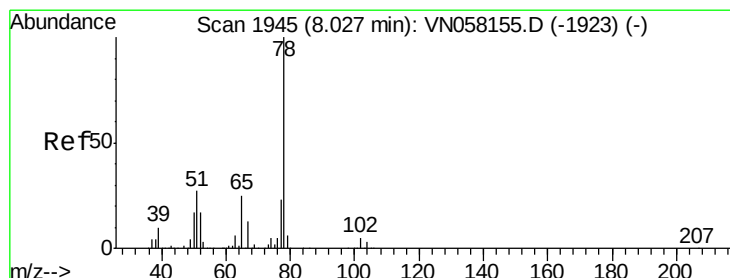
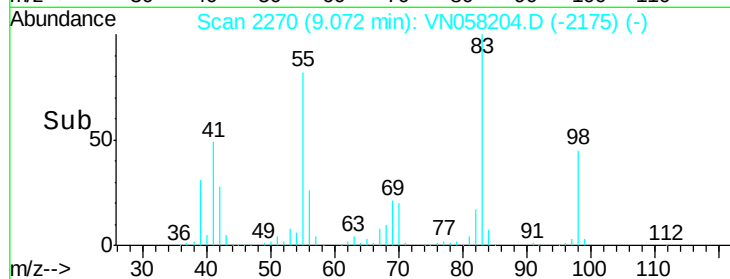
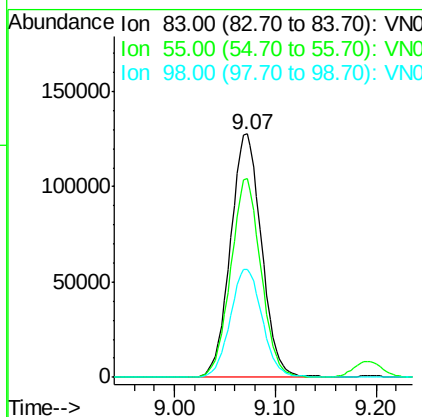
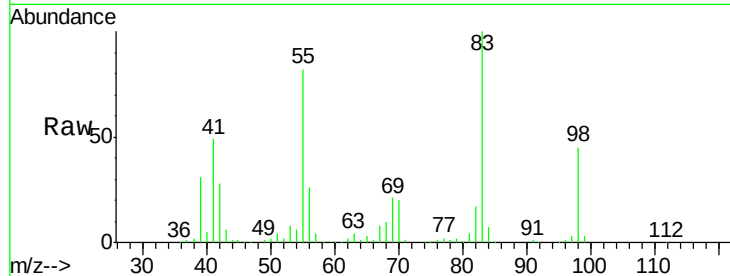
#39
Methylvlcyclohexane
Concen: 47.710 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	274029
Ion Ratio	Lower	Upper	
83	100		
55	81.6	61.9	92.9
98	44.5	35.4	53.2

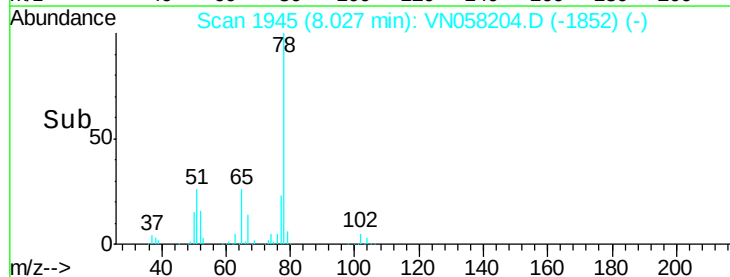
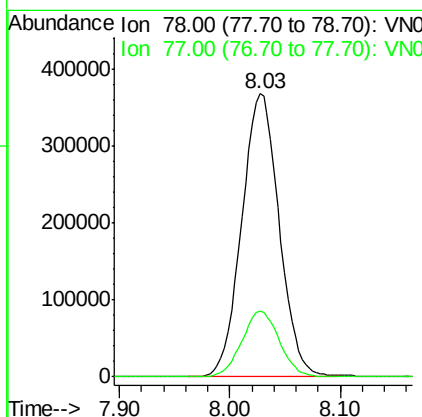
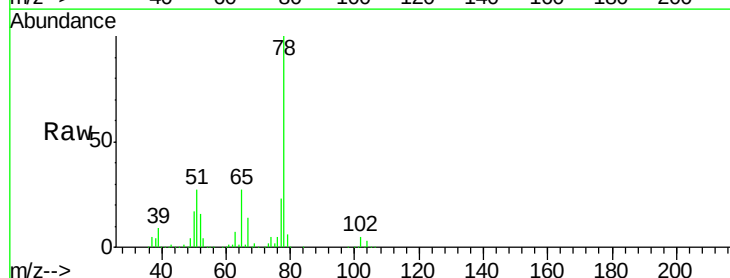
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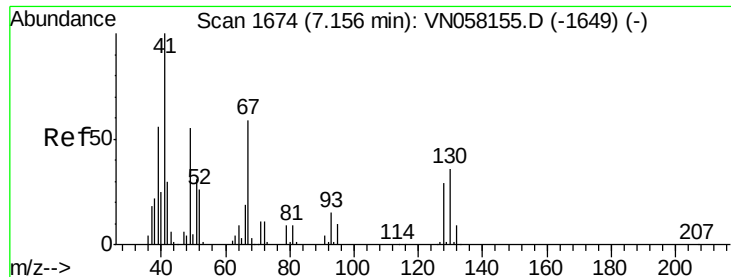
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#40
Benzene
Concen: 47.712 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion	78	Resp	865745
Ion Ratio	Lower	Upper	
78	100		
77	23.2	18.8	28.2





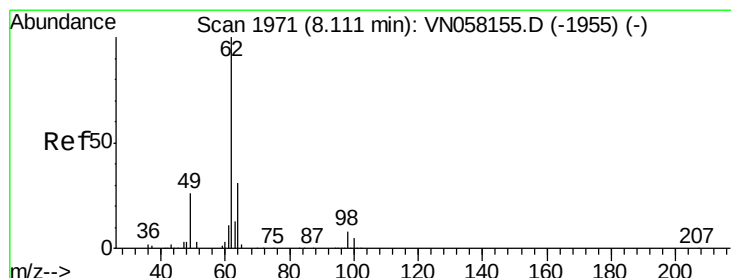
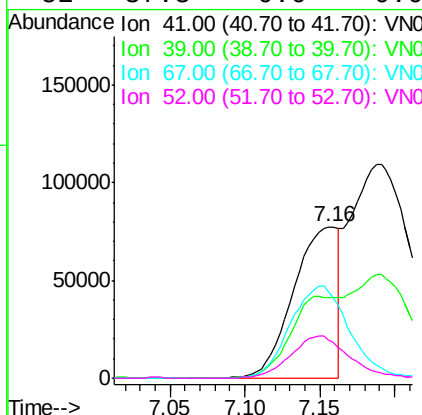
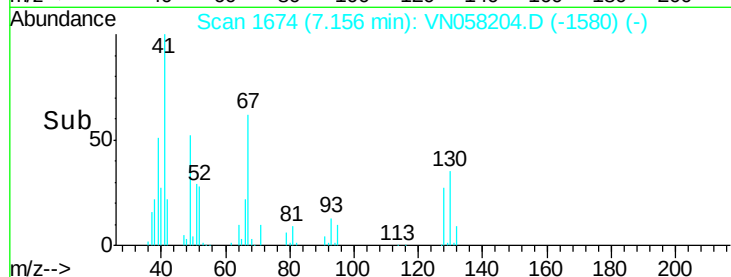
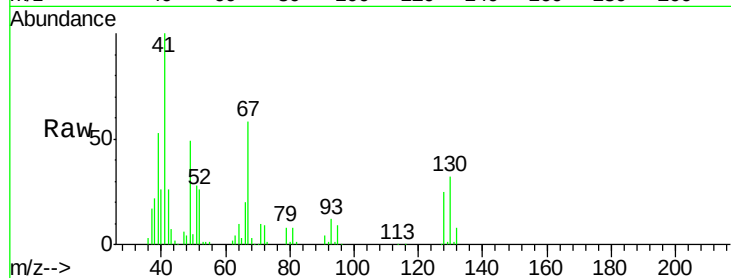
#41
Methacrylonitrile
Concen: 51.149 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	46.7	0.0	0.0#		
67	81.7	0.0	0.0#		
52	37.3	0.0	0.0#		

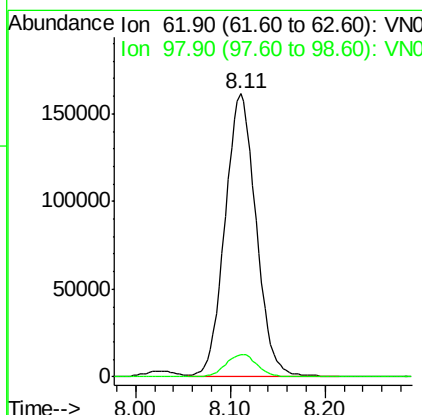
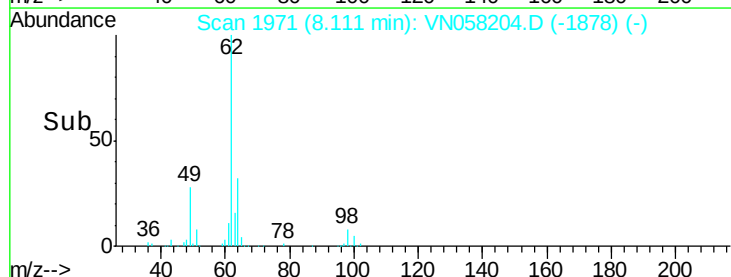
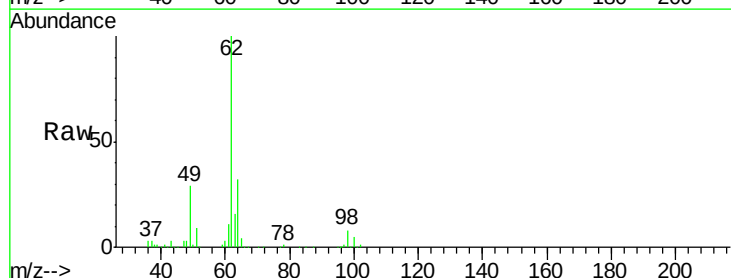
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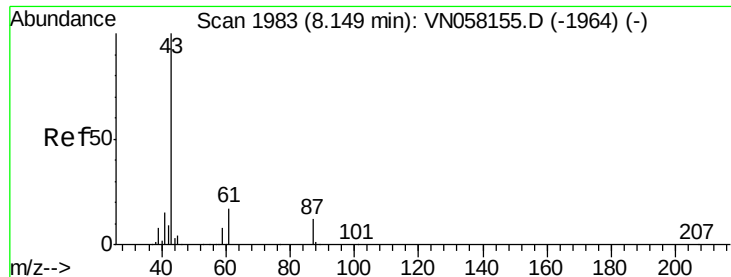
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#42
1,2-Dichloroethane
Concen: 48.272 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.0	0.0	15.6		





#43

Isopropyl Acetate

Concen: 49.465 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

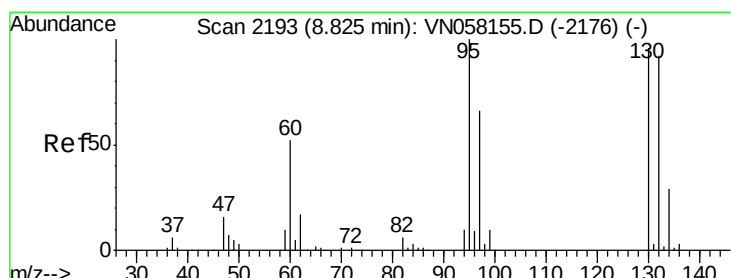
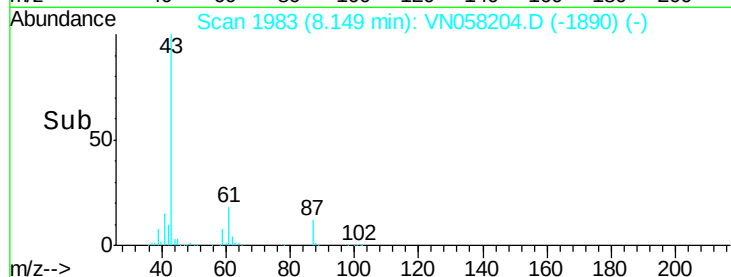
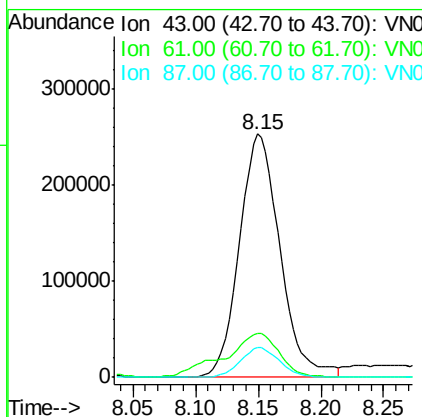
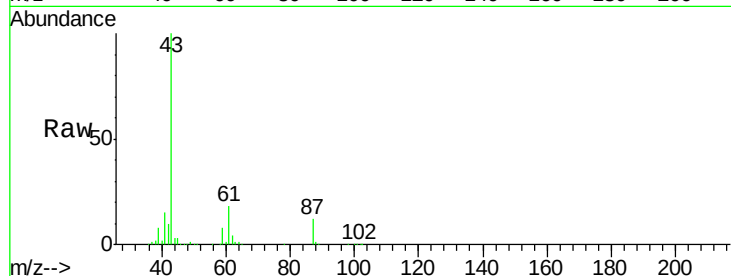
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	569561
Ion	Ratio	Lower	Upper
43	100		
61	24.2	19.7	29.5
87	11.8	9.4	14.2

Manual Integrations
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#44

Trichloroethene

Concen: 47.669 ug/l

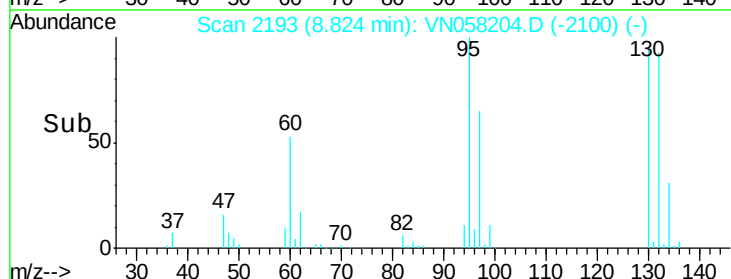
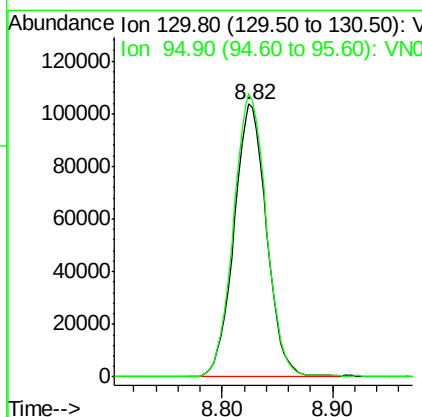
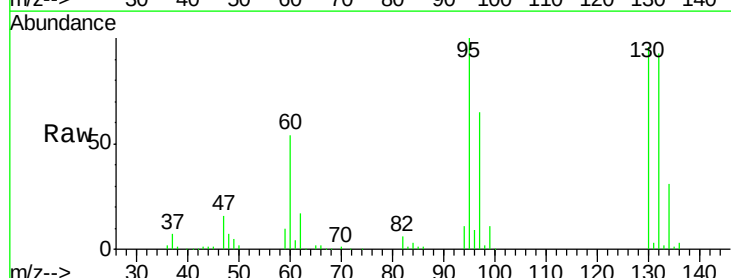
RT: 8.82 min Scan# 2193

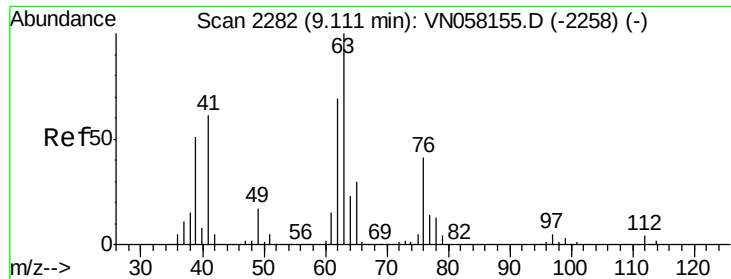
Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Tgt Ion:	130	Resp:	211670
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	207.8





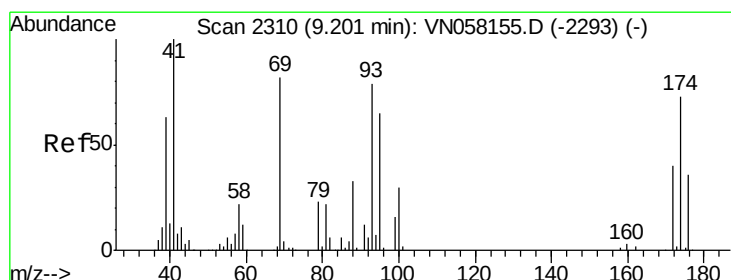
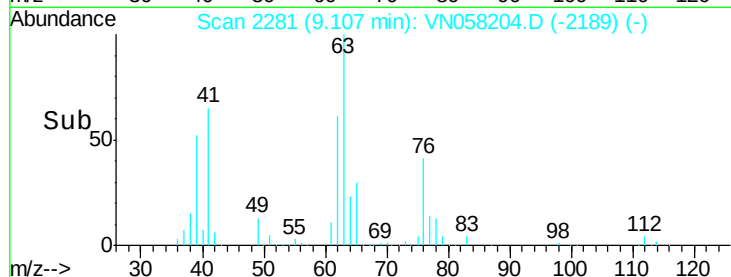
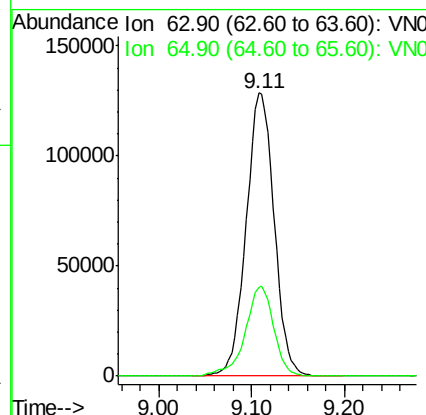
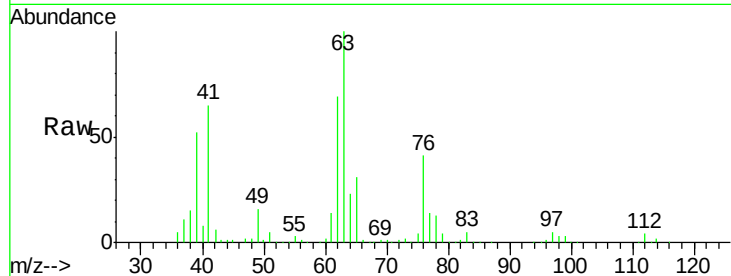
#45
 1,2-Dichloropropane
 Concen: 49.715 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	23.8	35.6

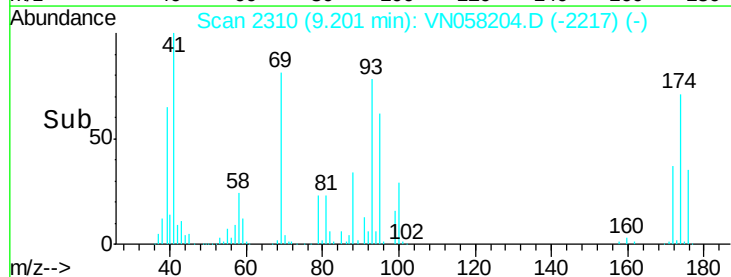
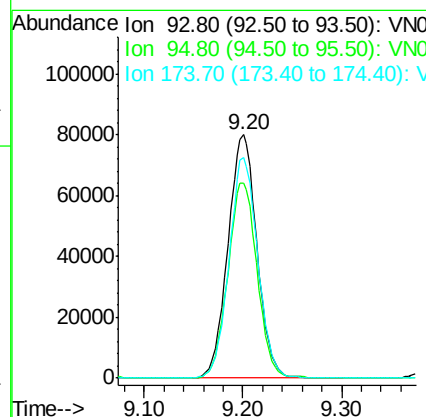
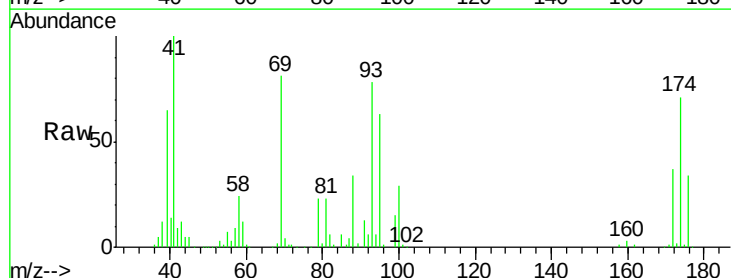
Manual Integrations
 APPROVED

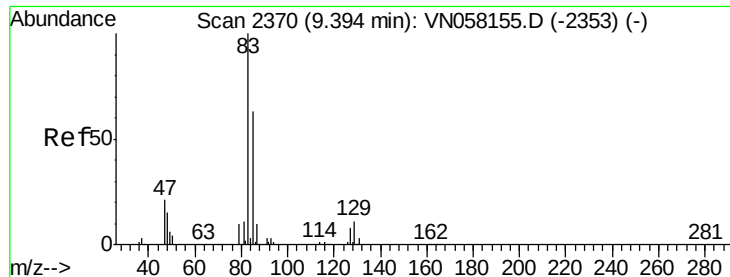
MMDadoda
 9/20/2019 3:37:27 PM



#46
 Dibromomethane
 Concen: 49.931 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.6	66.8	100.2
174	89.6	73.8	110.8





#47

Bromodichloromethane

Concen: 51.337 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

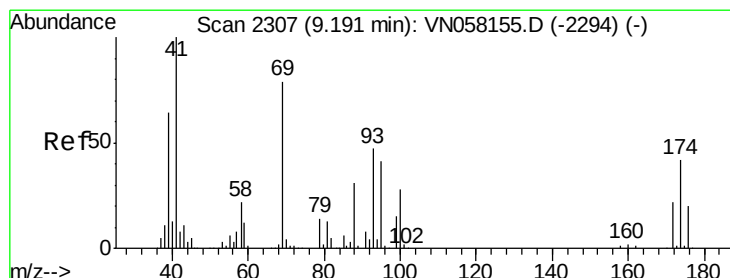
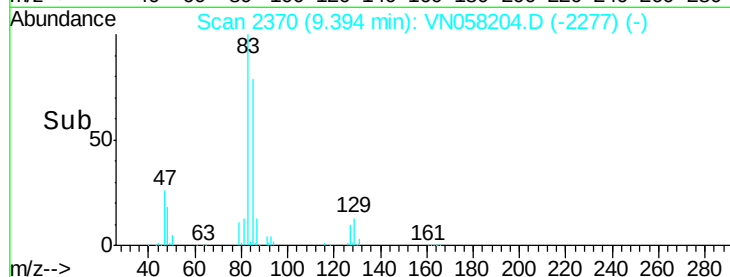
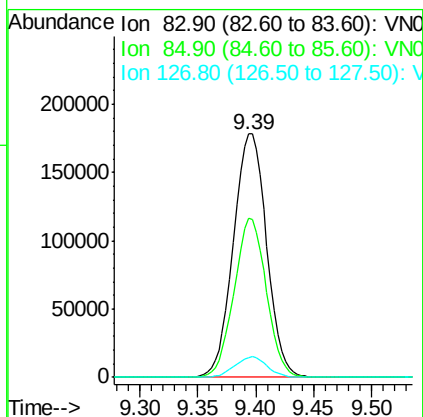
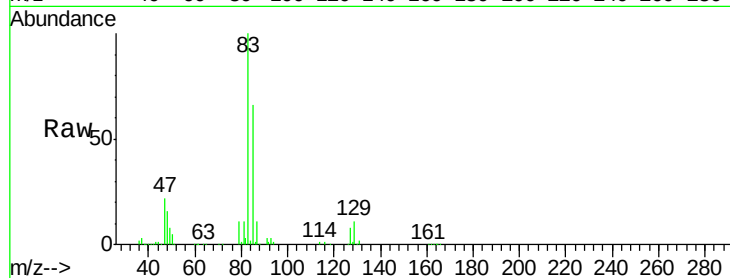
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	354328
Ion Ratio	Lower	Upper	
83	100		
85	65.6	50.1	75.1
127	8.3	6.4	9.6

Manual Integrations
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9/20/2019 3:37:27 PM



#48

Methyl methacrylate

Concen: 51.471 ug/l

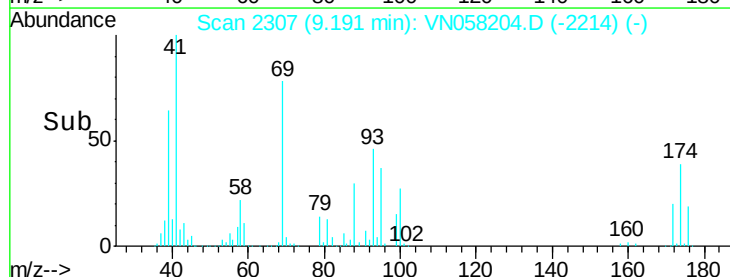
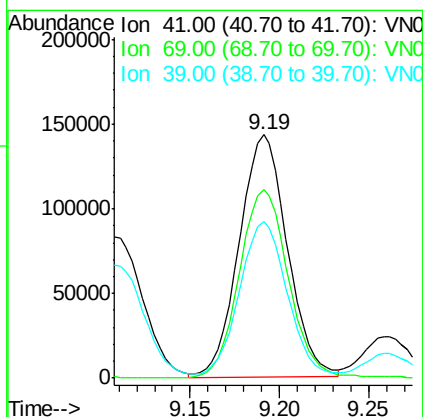
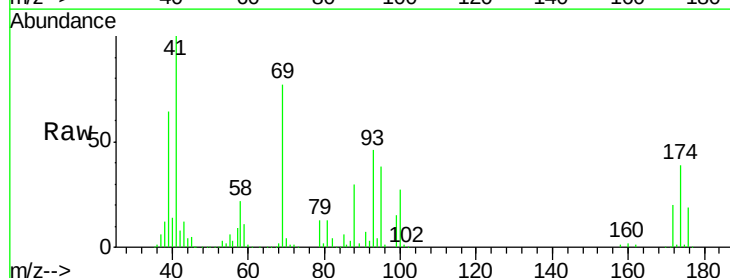
RT: 9.19 min Scan# 2307

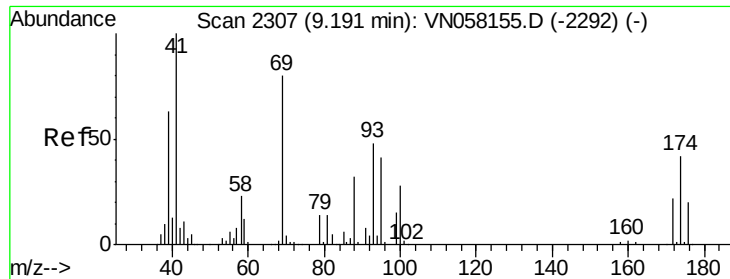
Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Tgt Ion:	41	Resp:	269090
Ion Ratio	Lower	Upper	
41	100		
69	79.1	62.5	93.7
39	64.7	52.3	78.5





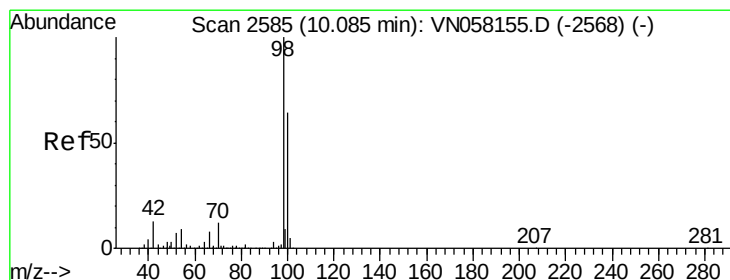
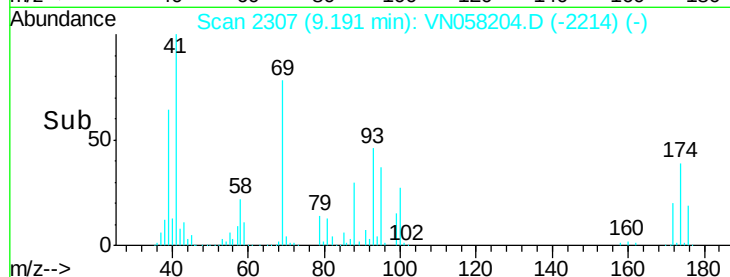
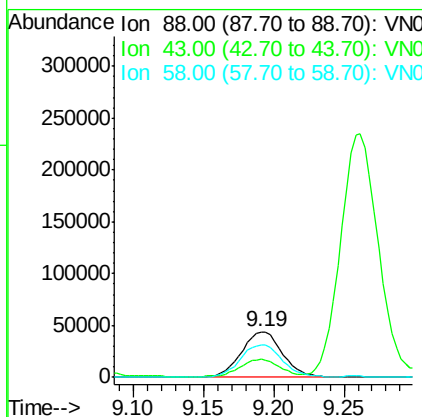
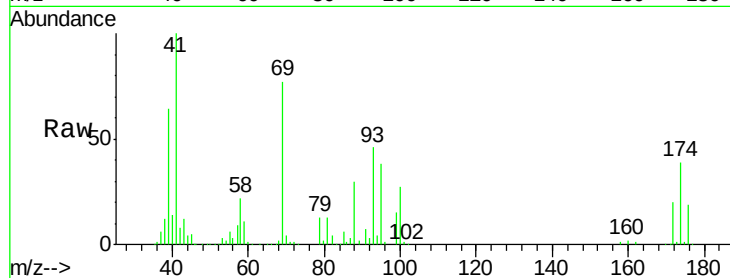
#49
 1,4-Dioxane
 Concen: 1052.116 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	90307
Ion	Ratio	Lower	Upper
88	100		
43	36.3	27.8	41.8
58	73.0	55.0	82.4

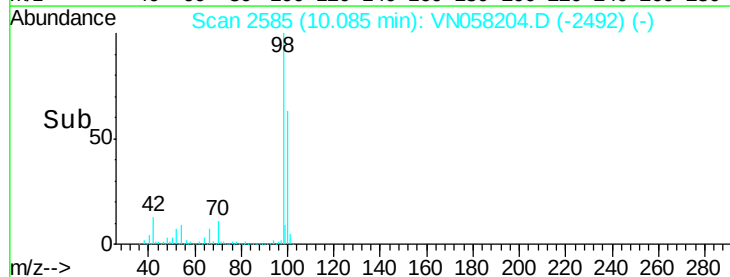
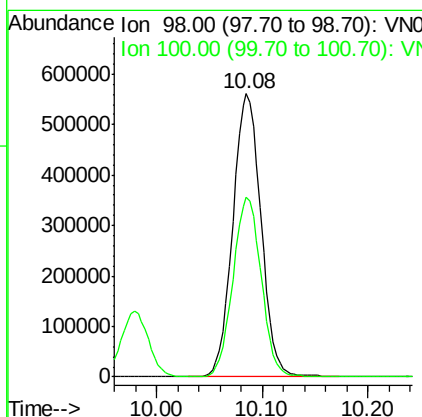
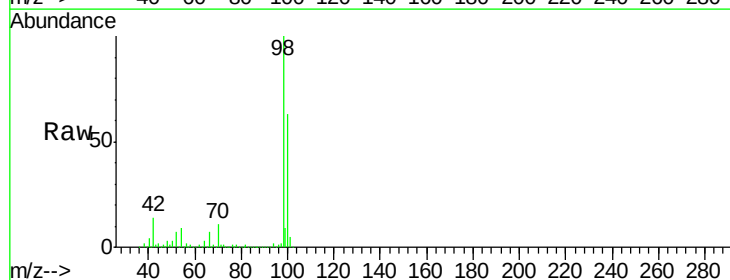
Manual Integrations
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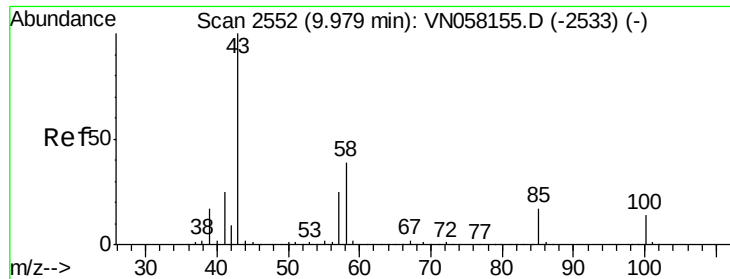
MMDadoda
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#50
 Toluene-d8
 Concen: 53.174 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Tgt Ion	98	Resp	1037546
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 286.466 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1751996

Ion Ratio Lower Upper

43 100

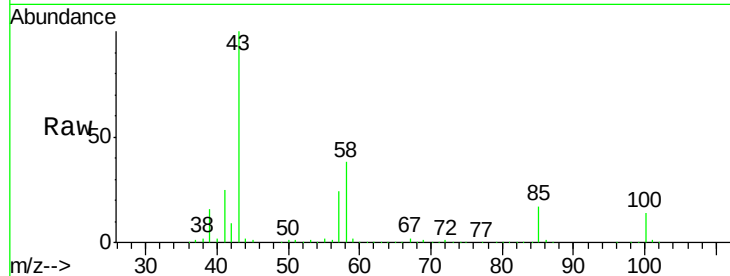
58 37.2 30.2 45.4

Manual Integrations

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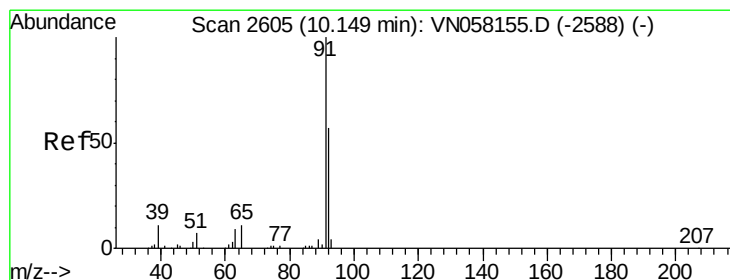
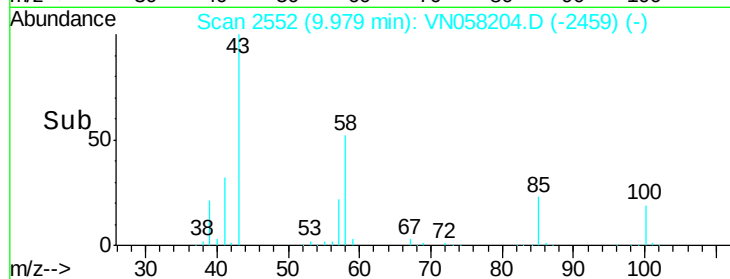
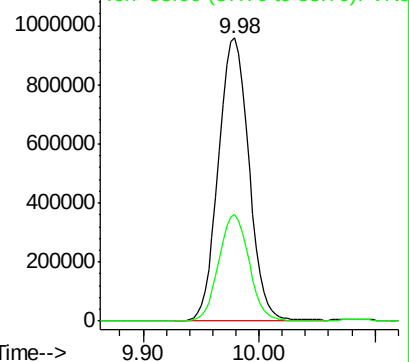
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.161 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058204.D

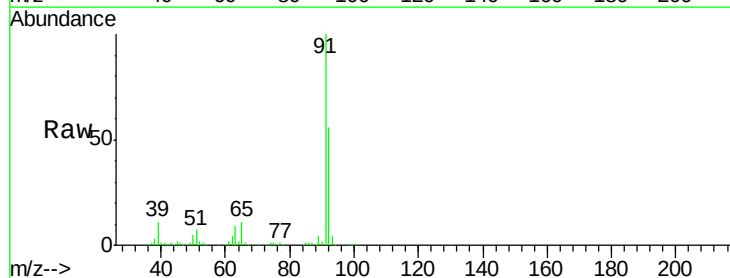
Acq: 19 Sep 2019 14:53

Tgt Ion: 92 Resp: 547677

Ion Ratio Lower Upper

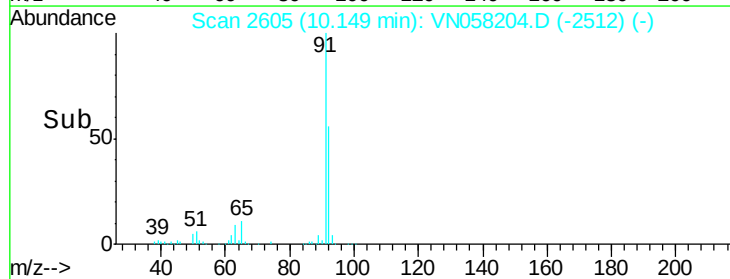
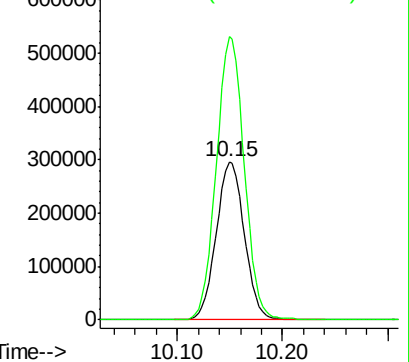
92 100

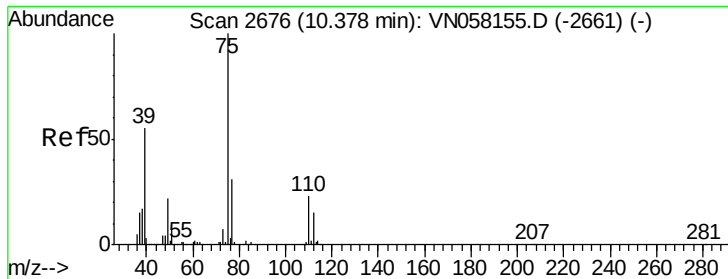
91 177.8 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





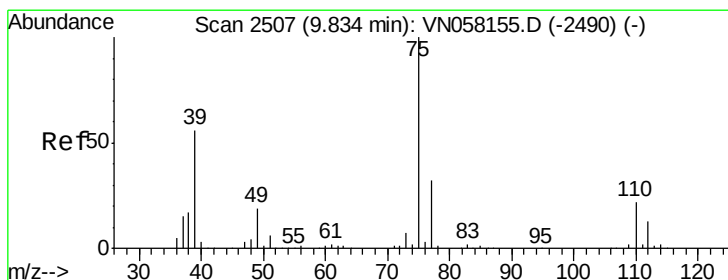
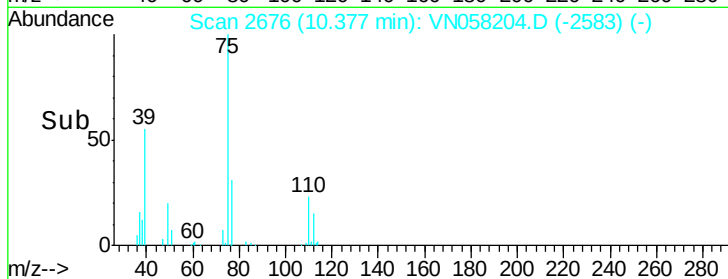
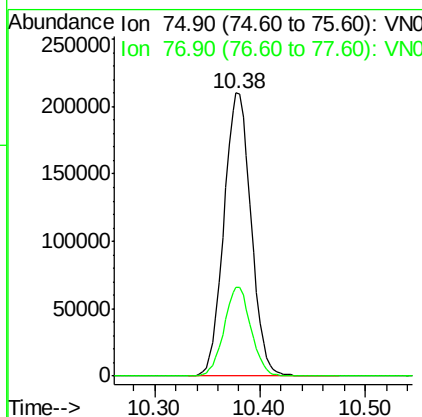
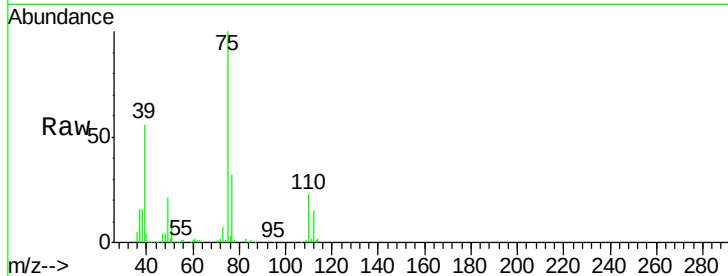
#53
t-1,3-Dichloropropene
Concen: 52.832 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 373531
Ion Ratio Lower Upper
75 100
77 31.6 24.9 37.3

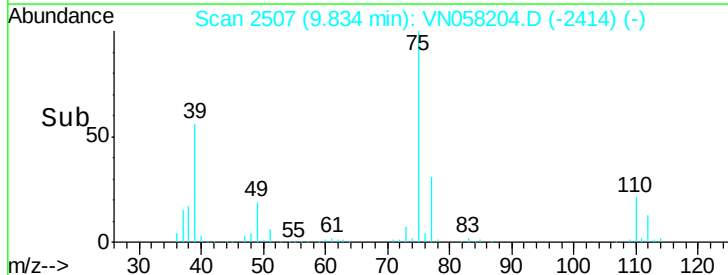
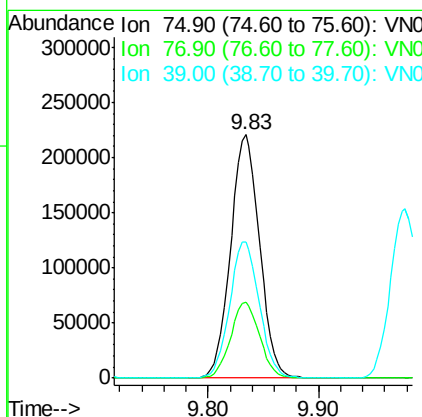
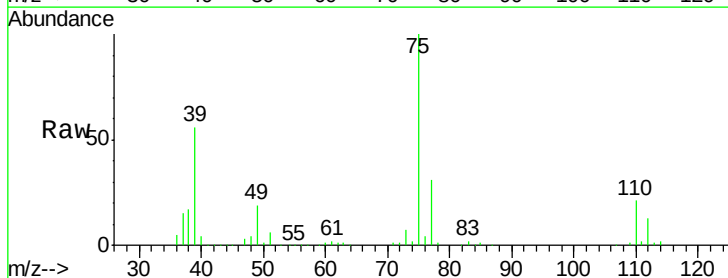
Manual Integrations
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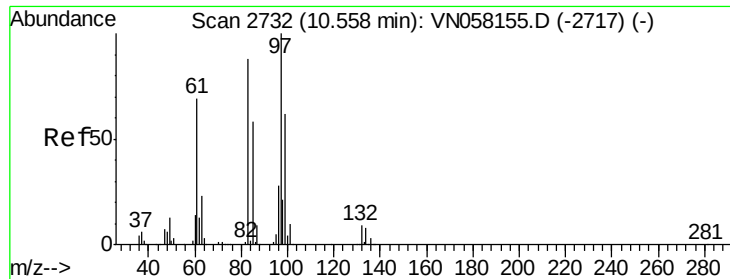
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.554 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion: 75 Resp: 402422
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.0
39 56.0 45.0 67.6





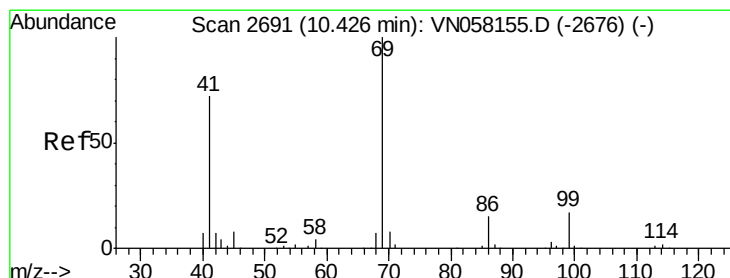
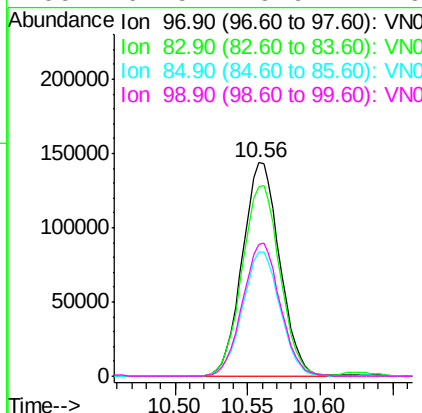
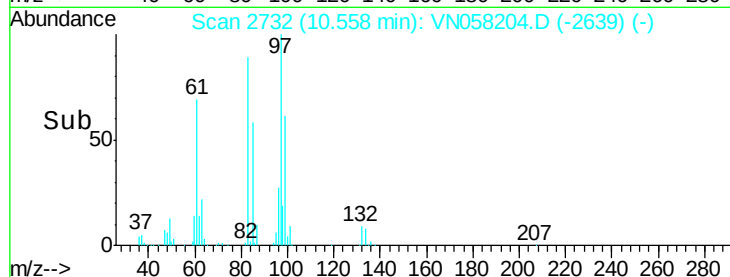
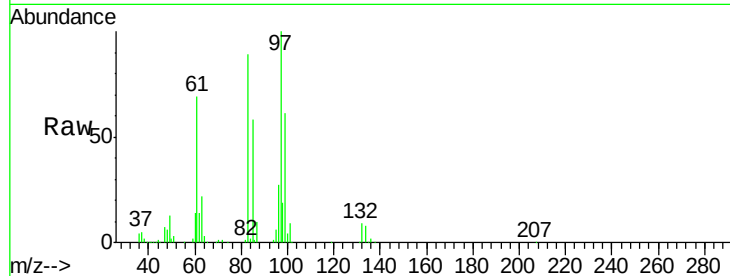
#55
 1,1,2-Trichloroethane
 Concen: 51.242 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		258596		
83	88.6	70.4	105.6		
85	58.0	46.8	70.2		
99	61.5	49.9	74.9		

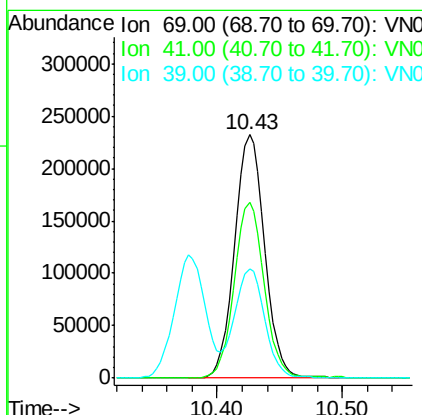
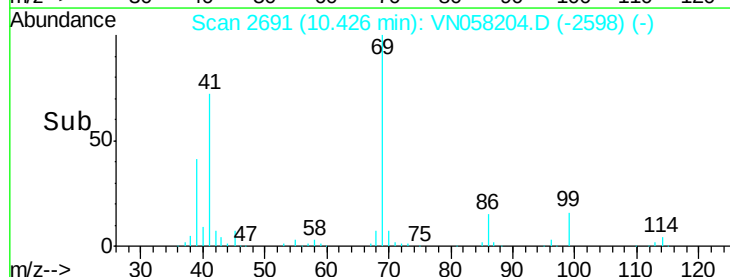
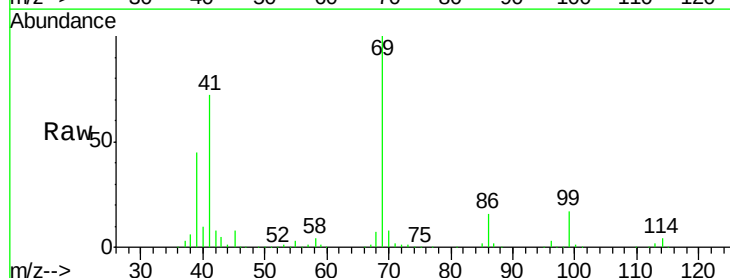
Manual Integrations
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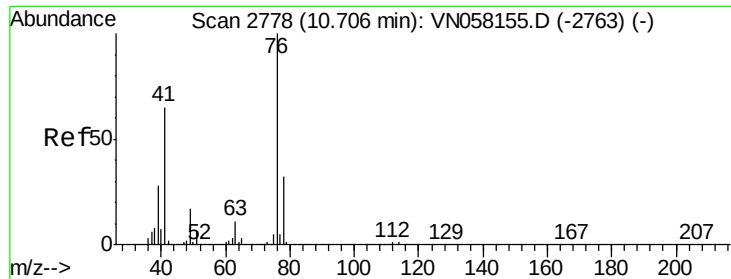
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#56
 Ethyl methacrylate
 Concen: 53.235 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		387620		
41	70.9	57.5	86.3		
39	44.4	36.1	54.1		





#57

1,3-Dichloropropane

Concen: 50.212 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 435620

Ion Ratio Lower Upper

76 100

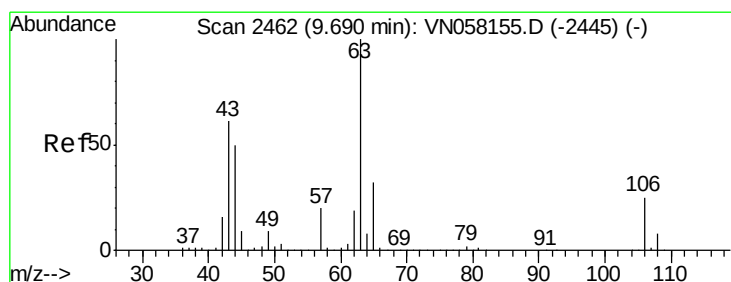
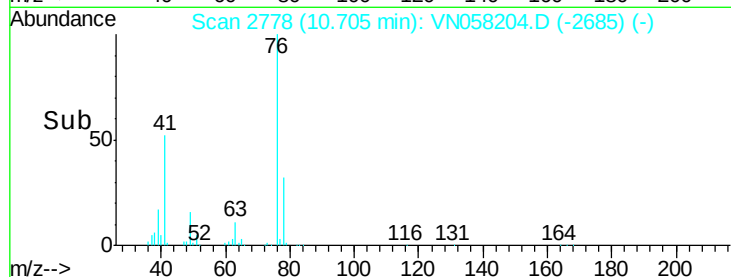
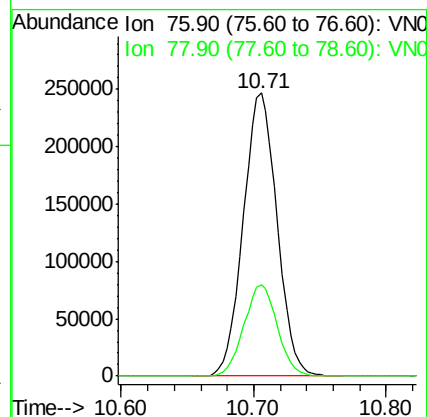
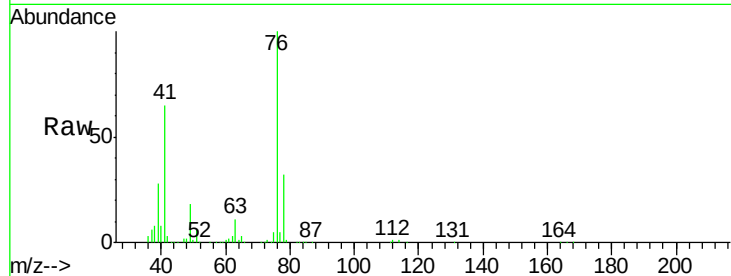
78 32.1 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 271.101 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058204.D

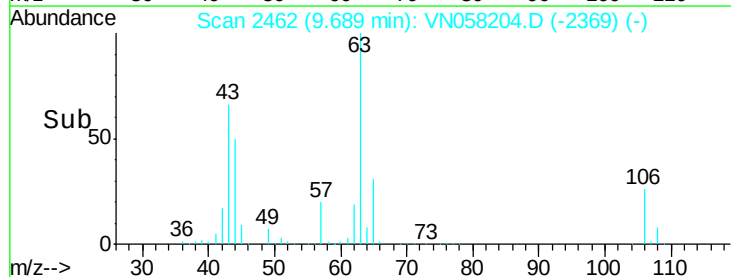
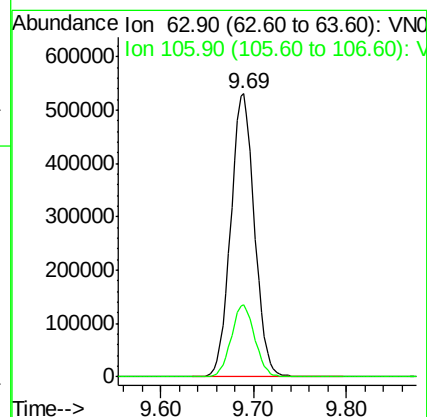
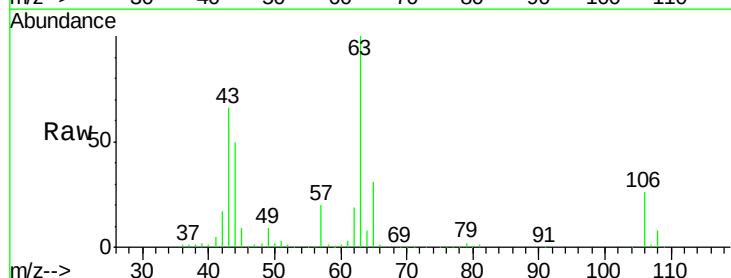
Acq: 19 Sep 2019 14:53

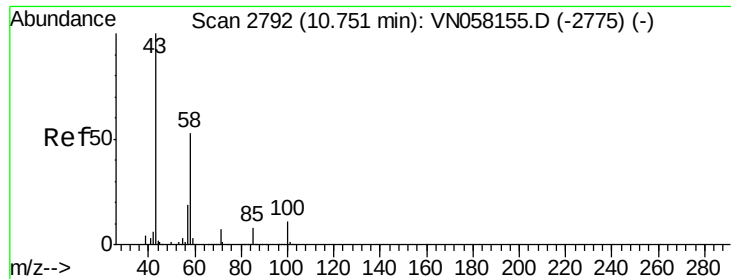
Tgt Ion: 63 Resp: 940256

Ion Ratio Lower Upper

63 100

106 25.3 19.9 29.9





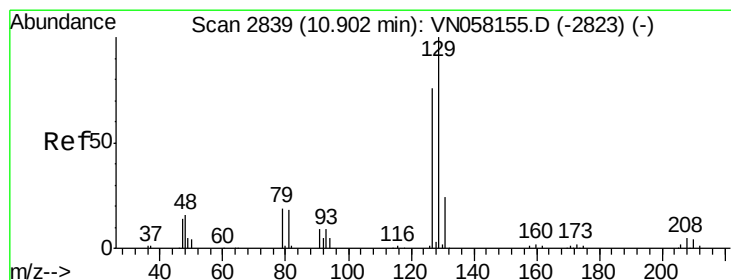
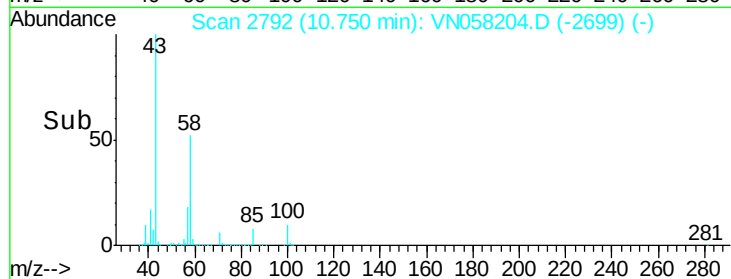
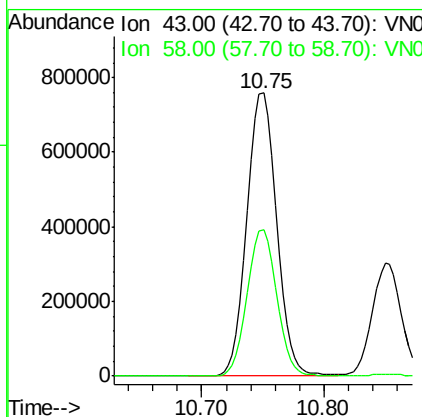
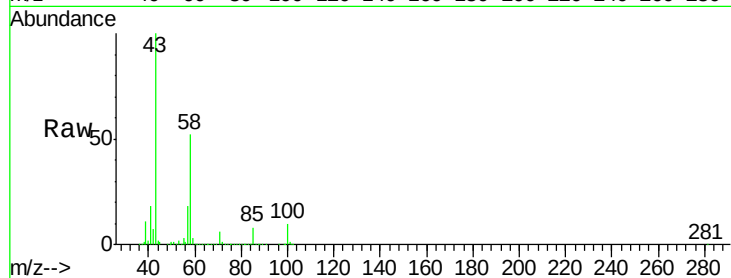
#59
2-Hexanone
Concen: 280.498 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1274080
Ion Ratio Lower Upper
43 100
58 51.4 26.0 78.0

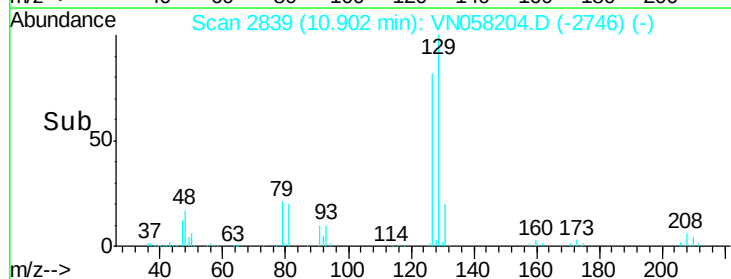
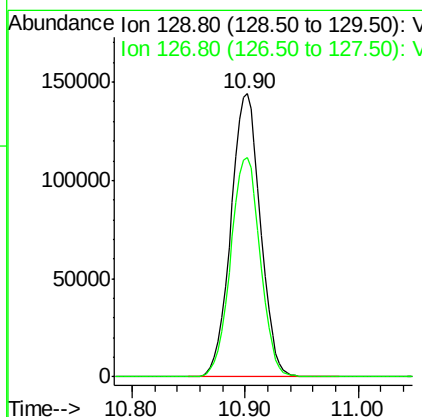
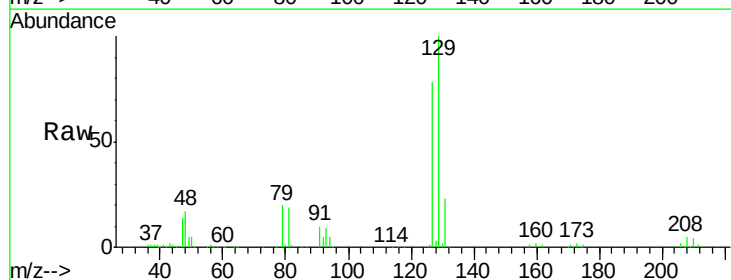
Manual Integrations
APPROVED

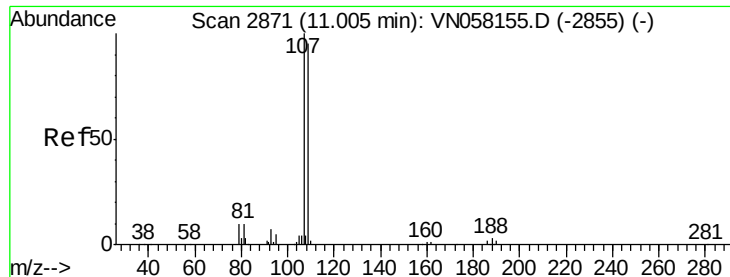
MMDadoda
9/20/2019 3:37:27 PM



#60
Dibromochloromethane
Concen: 53.899 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion:129 Resp: 261680
Ion Ratio Lower Upper
129 100
127 77.7 38.7 116.1





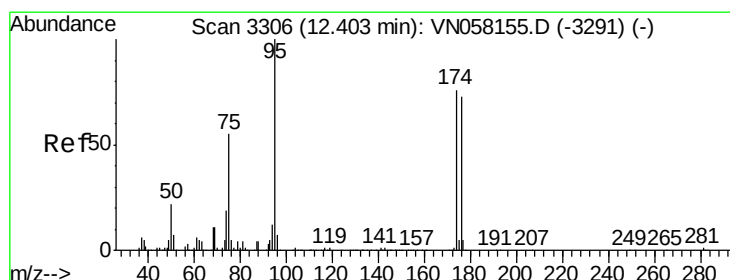
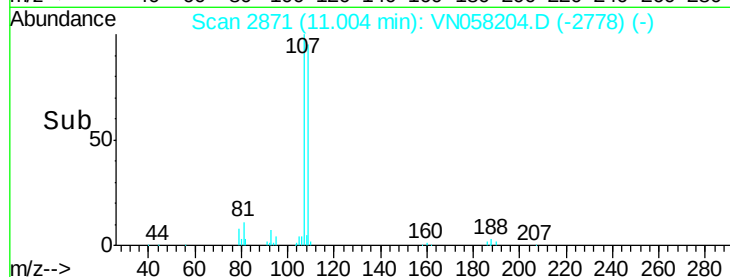
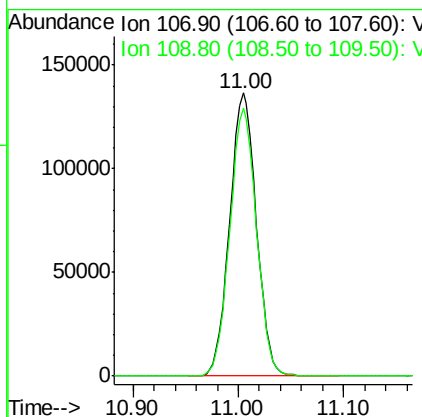
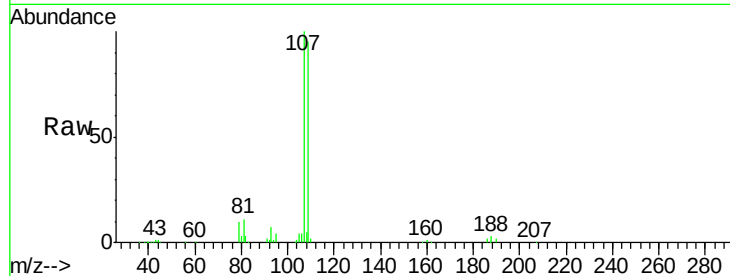
#61
 1,2-Dibromoethane
 Concen: 51.062 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.4	113.2

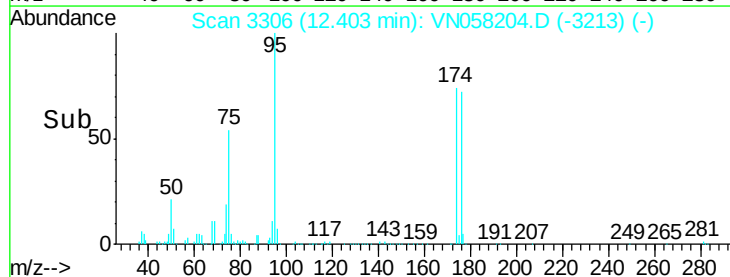
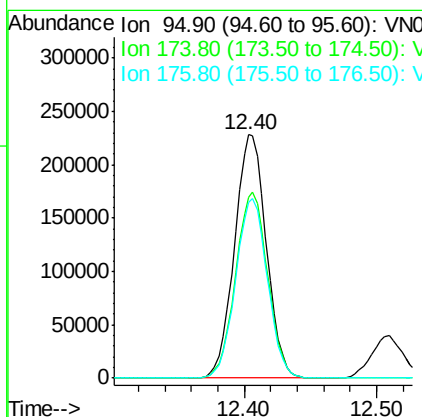
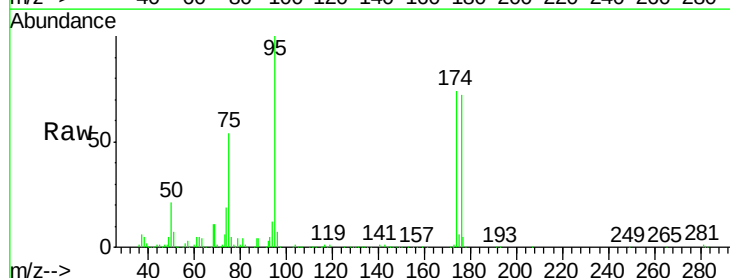
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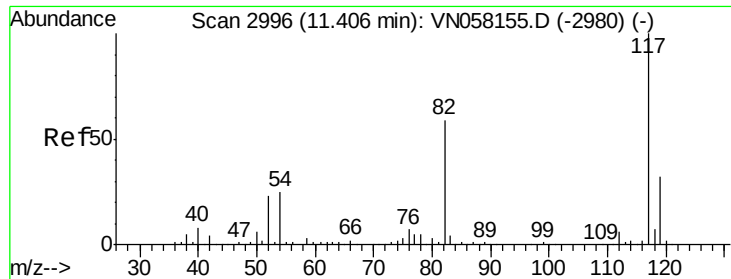
MMDadoda
 9/20/2019 3:37:27 PM



#62
 4-Bromofluorobenzene
 Concen: 52.329 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	152.2
176	73.7	0.0	148.0





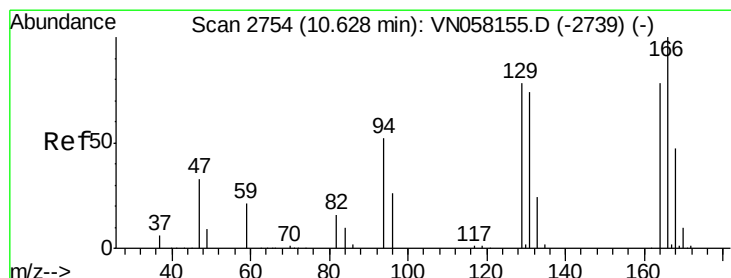
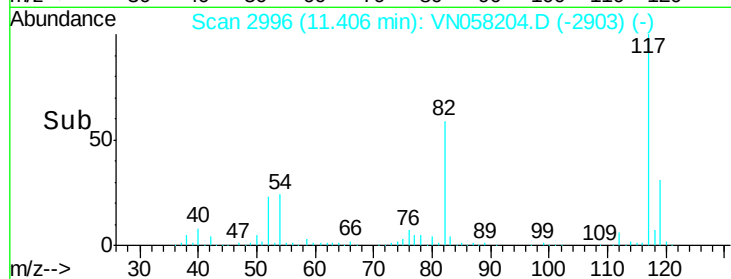
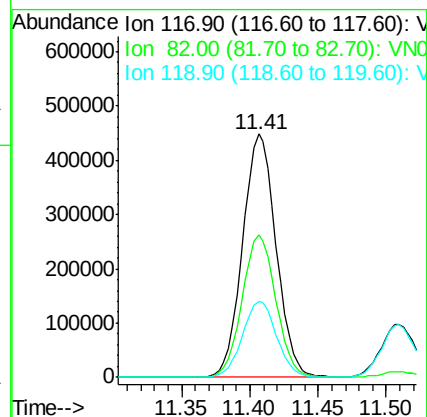
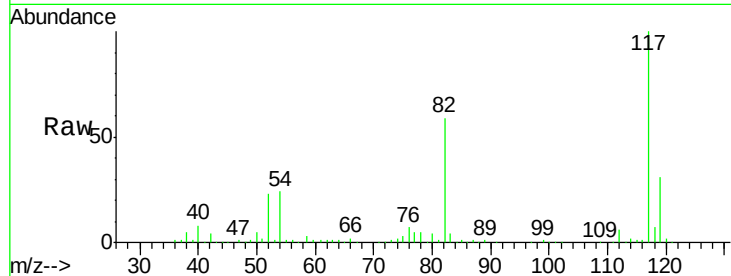
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.9	70.3
119	31.3	25.3	37.9

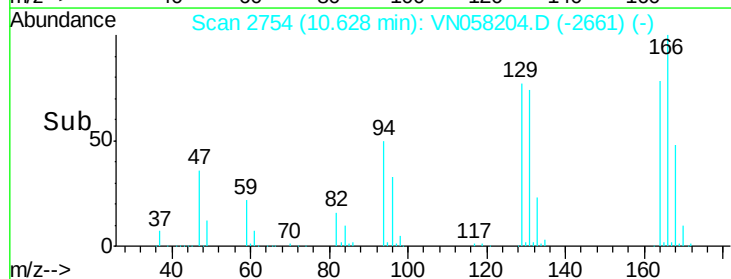
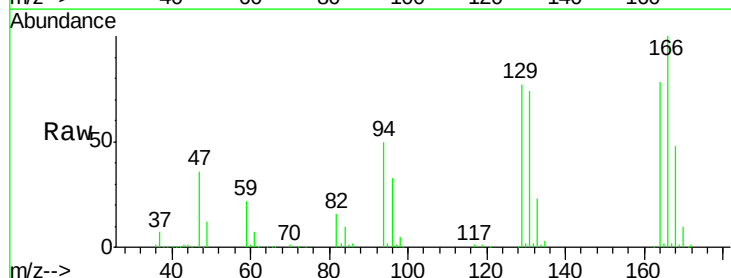
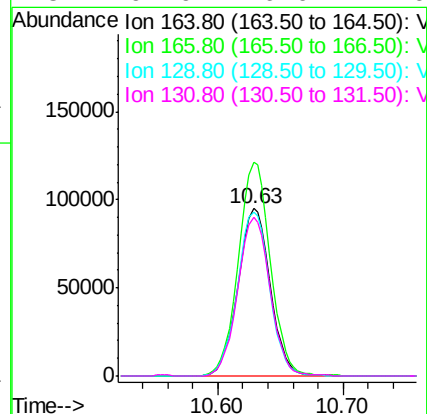
Manual Integrations
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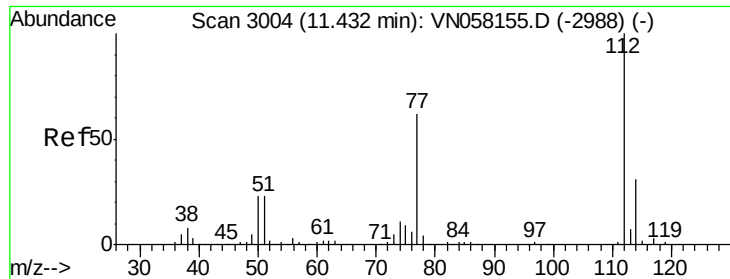
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#64
Tetrachloroethene
Concen: 45.590 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	102.2	153.4
129	98.3	79.6	119.4
131	94.9	76.0	114.0





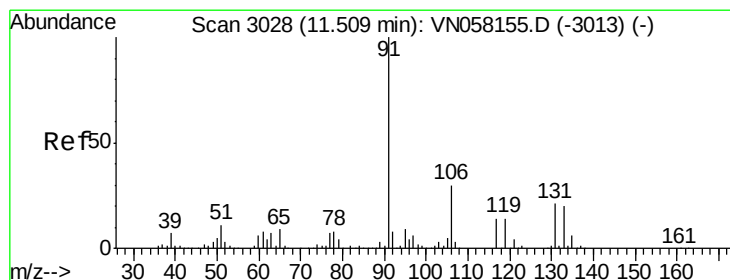
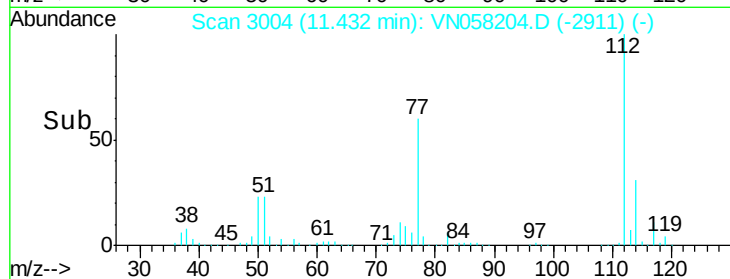
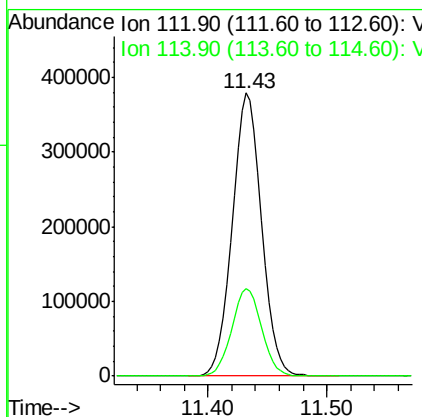
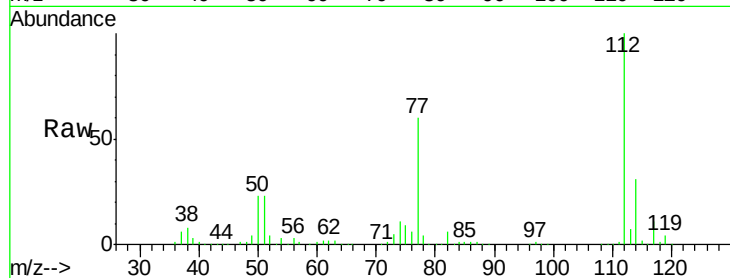
#65
Chlorobenzene
Concen: 47.927 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 644643
Ion Ratio Lower Upper
112 100
114 30.9 25.1 37.7

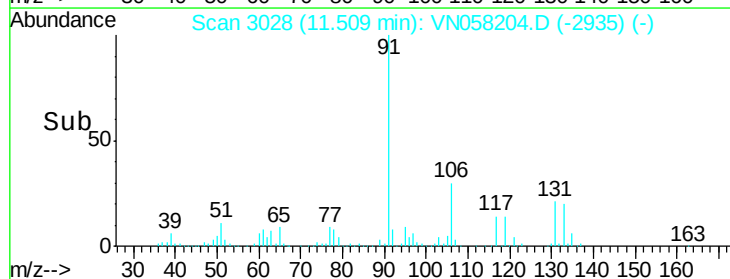
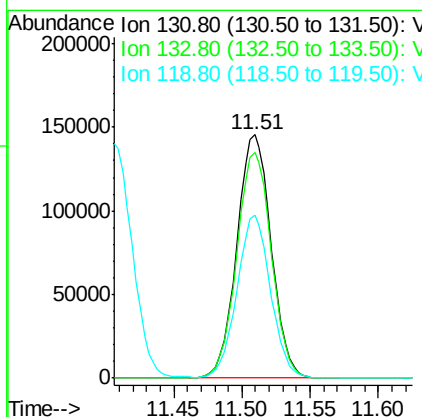
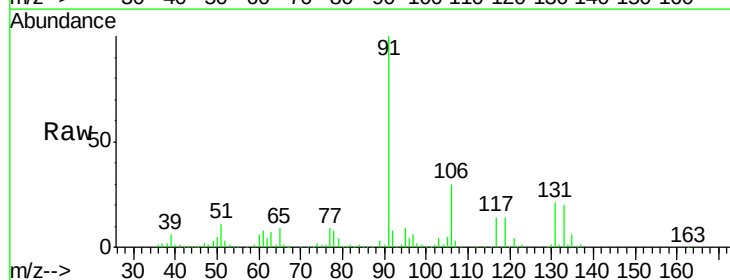
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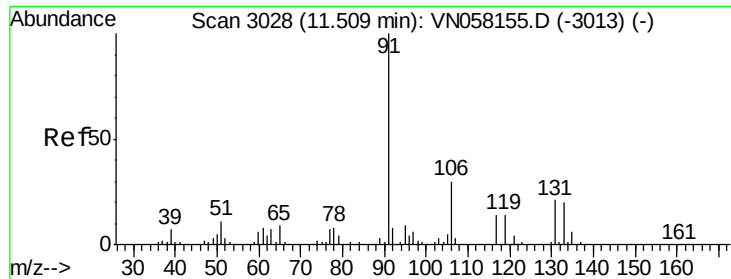
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.052 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion:131 Resp: 253868
Ion Ratio Lower Upper
131 100
133 93.7 47.8 143.3
119 65.6 33.1 99.3





#67

Ethyl Benzene

Concen: 50.255 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1158236

Ion Ratio Lower Upper

91 100

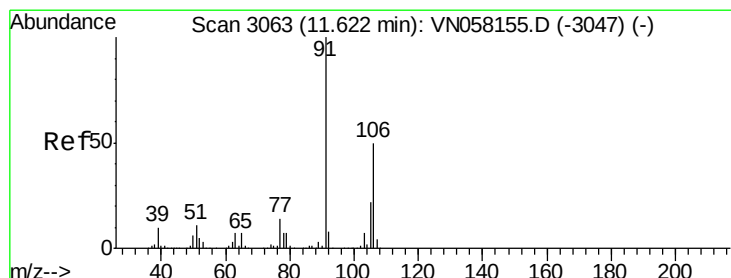
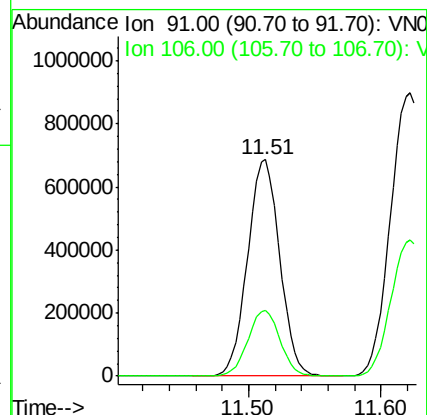
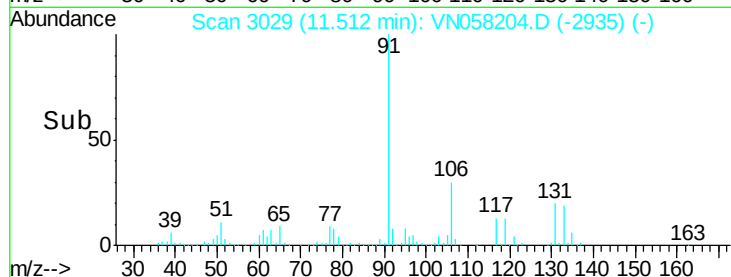
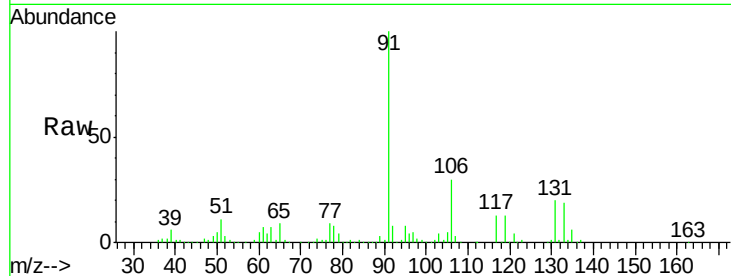
106 30.4 24.0 36.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 97.079 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058204.D

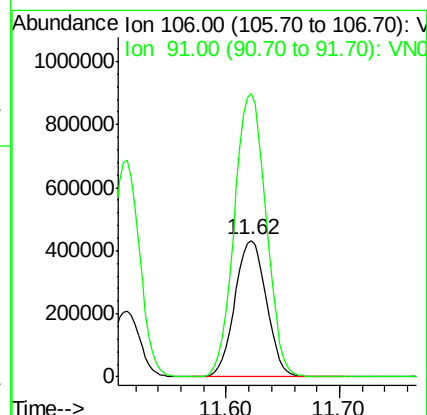
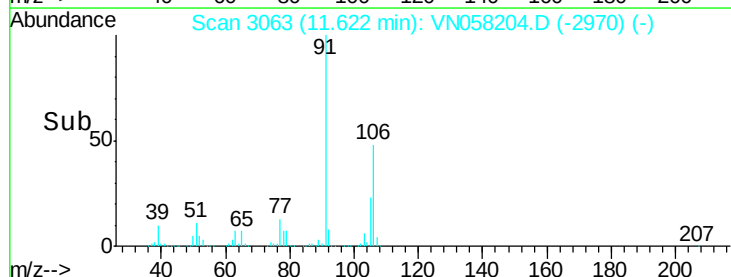
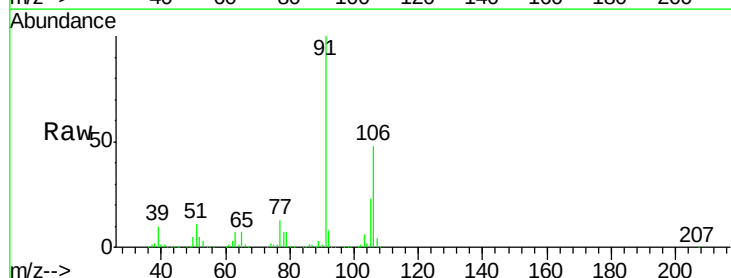
Acq: 19 Sep 2019 14:53

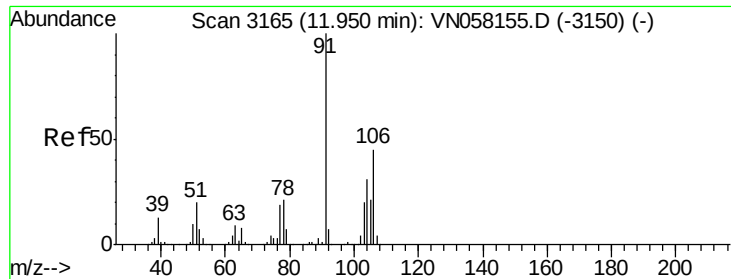
Tgt Ion: 106 Resp: 842673

Ion Ratio Lower Upper

106 100

91 208.7 163.6 245.4





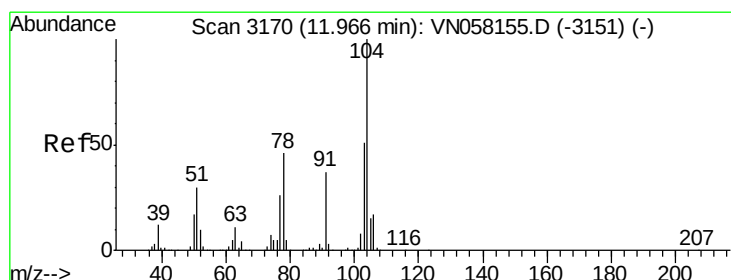
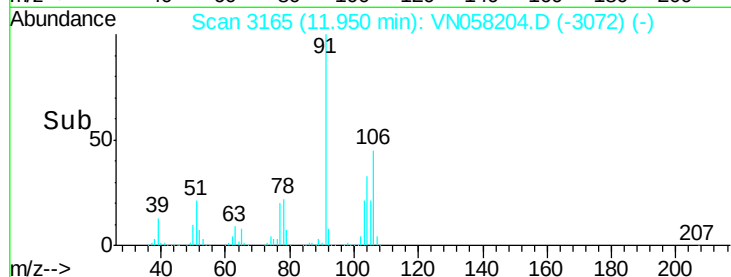
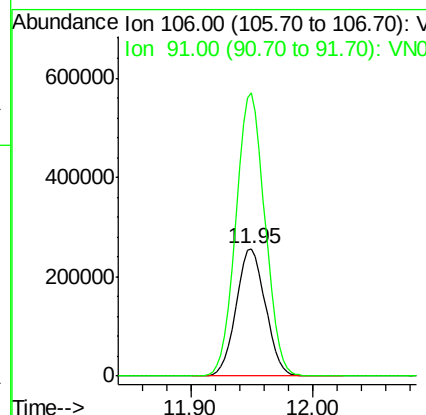
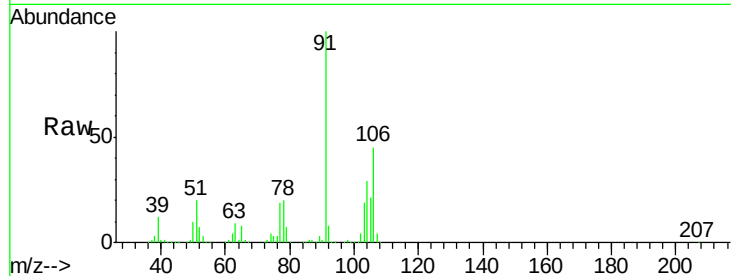
#69
o-Xylene
Concen: 50.162 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		428140		
91	221.0	111.8	335.3		

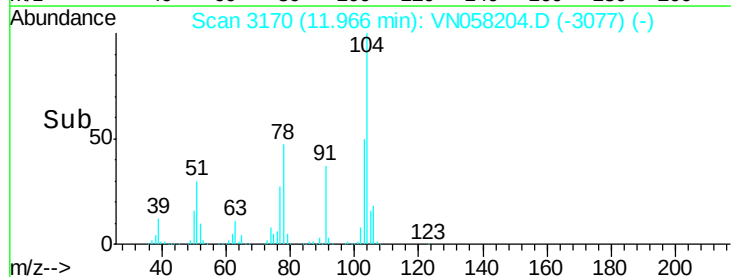
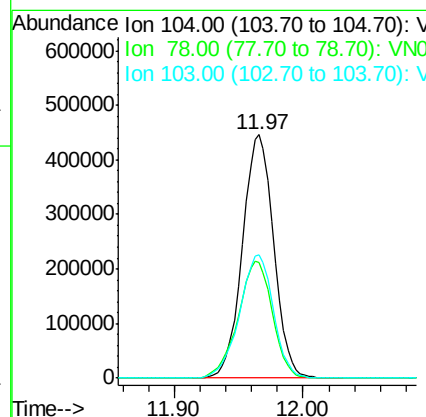
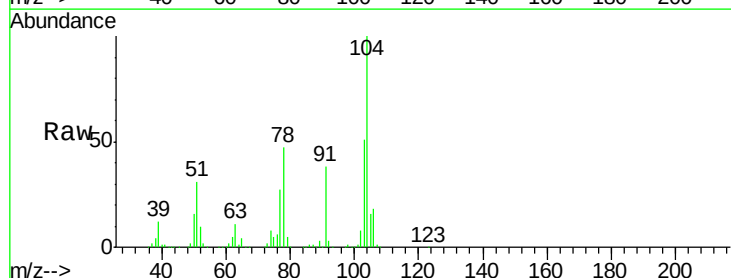
Manual Integrations
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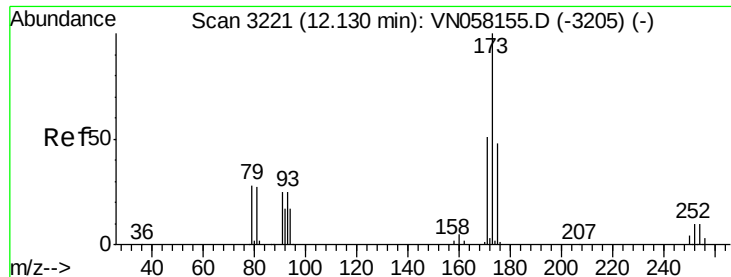
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#70
Styrene
Concen: 51.118 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		751748		
78	52.9	41.8	62.8		
103	54.9	44.2	66.2		





#71

Bromoform

Concen: 46.538 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 167308

Ion Ratio Lower Upper

173 100

175 48.5 24.2 72.6

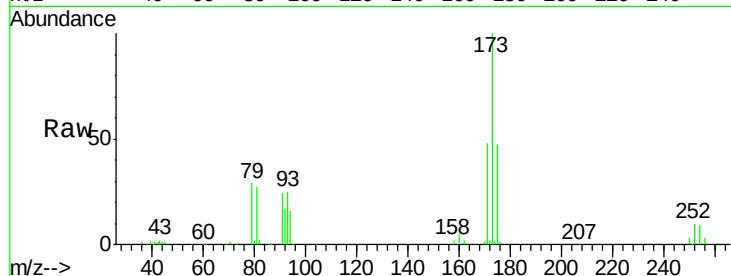
254 0.0 0.1 0.1#

Manual Integrations

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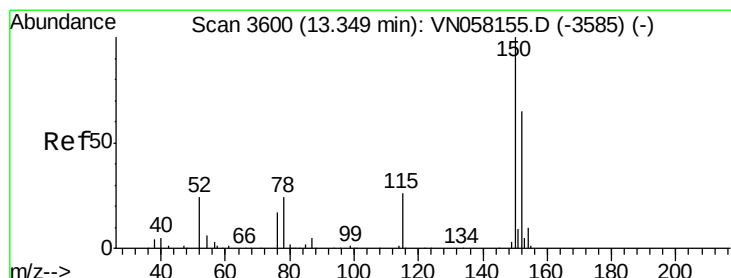
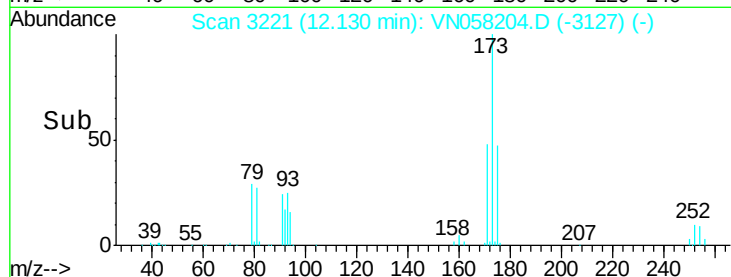
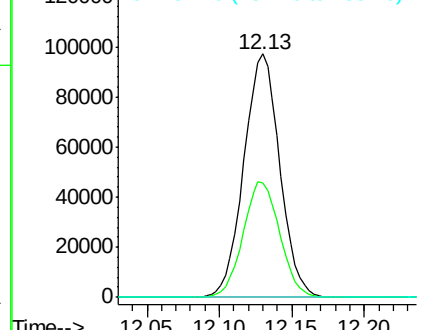
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN058204.D

Acq: 19 Sep 2019 14:53

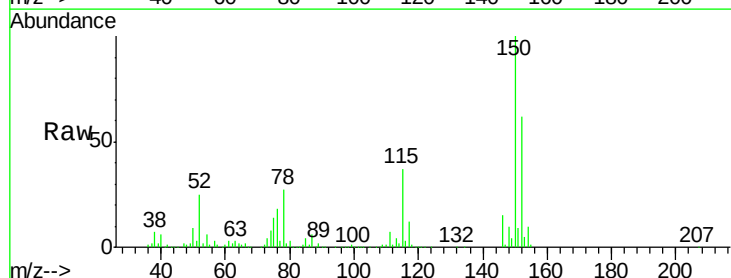
Tgt Ion:152 Resp: 378721

Ion Ratio Lower Upper

152 100

115 59.9 30.1 90.3

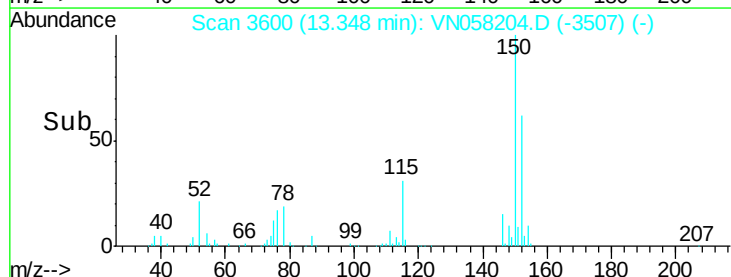
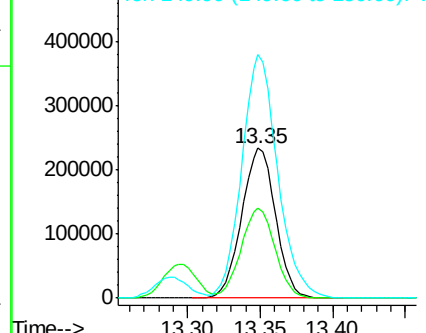
150 171.9 0.0 346.4

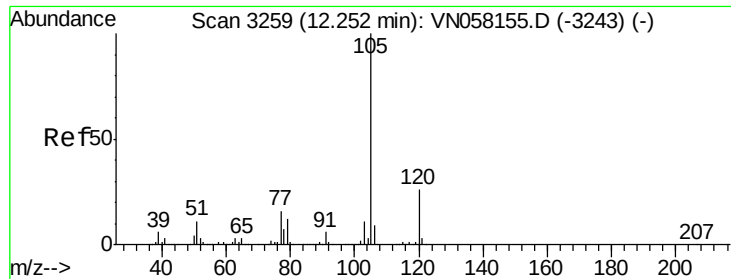


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.102 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1211407

Ion Ratio Lower Upper

105 100

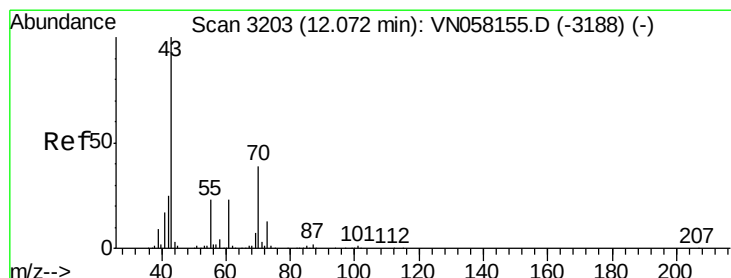
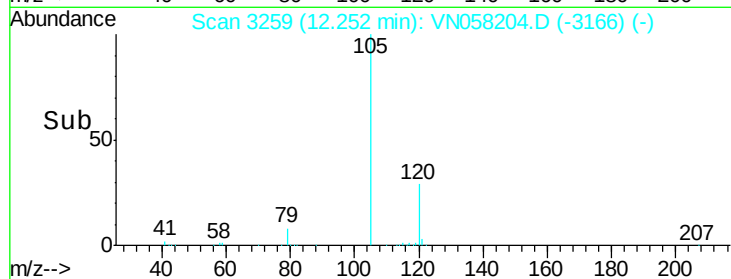
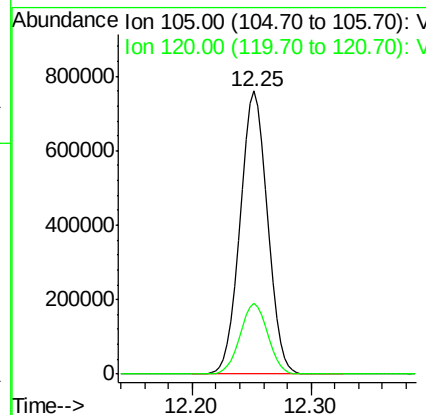
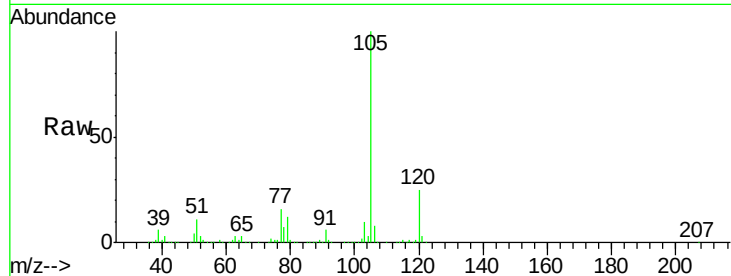
120 25.3 12.8 38.3

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#74

N-ethyl acetate

Concen: 53.776 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Tgt Ion: 43 Resp: 533293

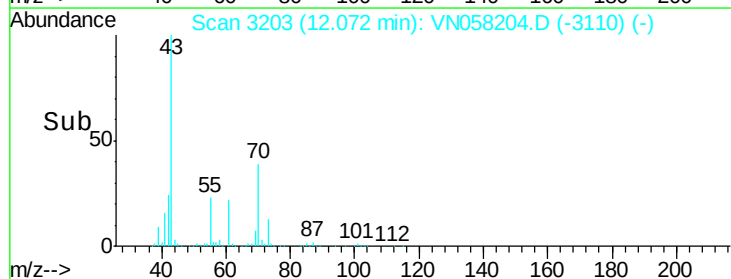
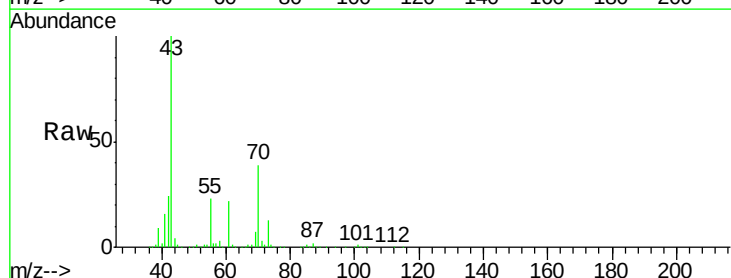
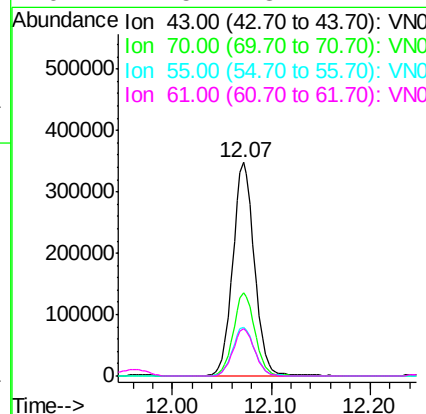
Ion Ratio Lower Upper

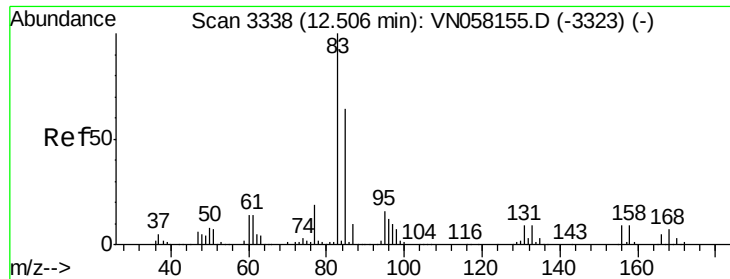
43 100

70 38.9 31.0 46.6

55 23.5 18.5 27.7

61 22.5 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.922 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

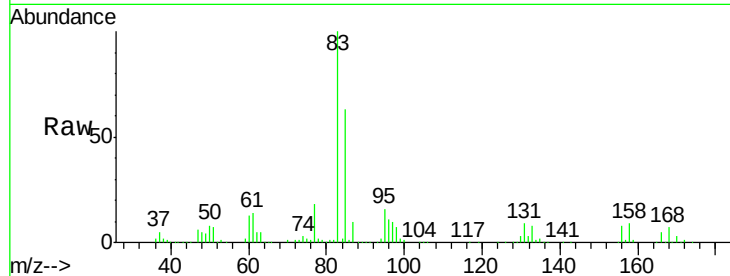
ClientSampleId :

VSTDCCC050EC

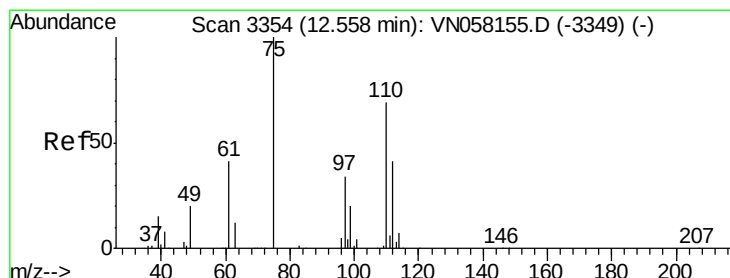
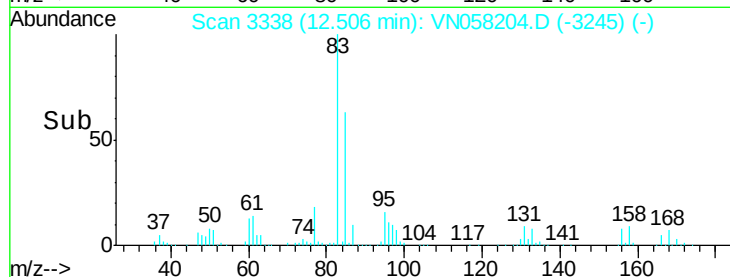
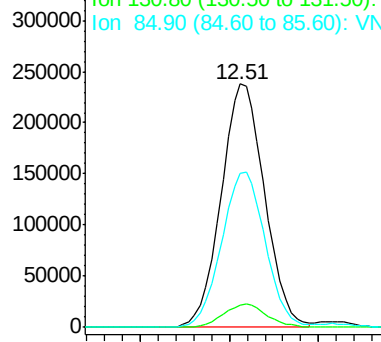
Tot Ion:	83	Resp:	404236
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.3
85	64.2	31.9	95.5

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Abundance Ion 82.90 (82.60 to 83.60): VN058204.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 57.168 ug/l m

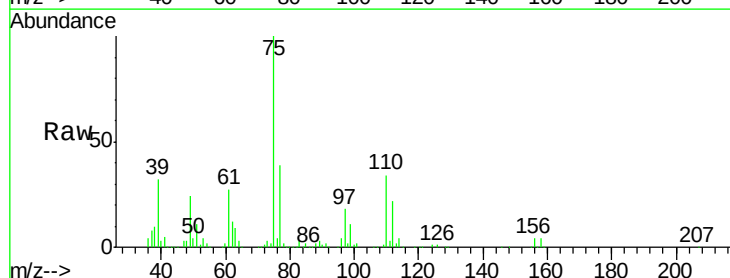
RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

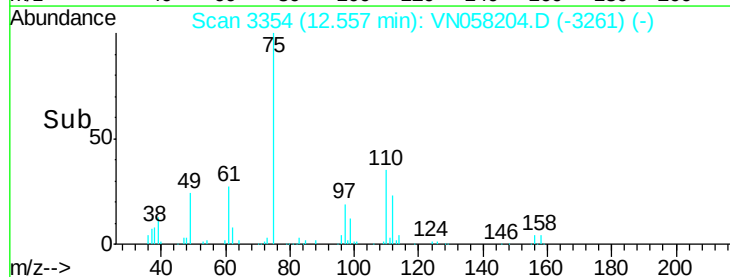
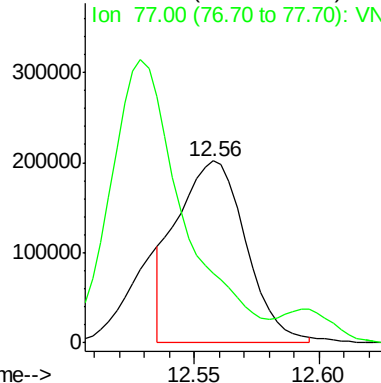
Lab File: VN058204.D

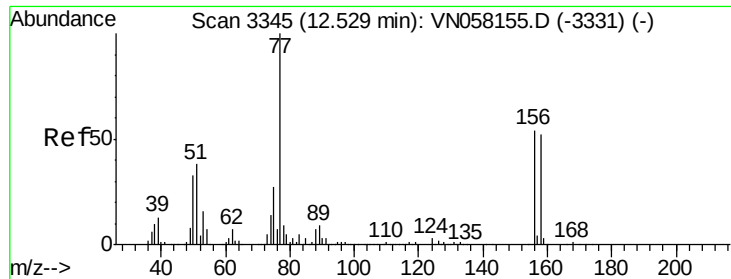
Acq: 19 Sep 2019 14:53

Tgt Ion:	75	Resp:	387479
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058204.D (-3261) (-)





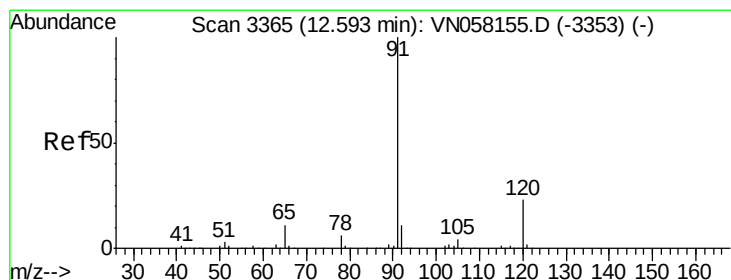
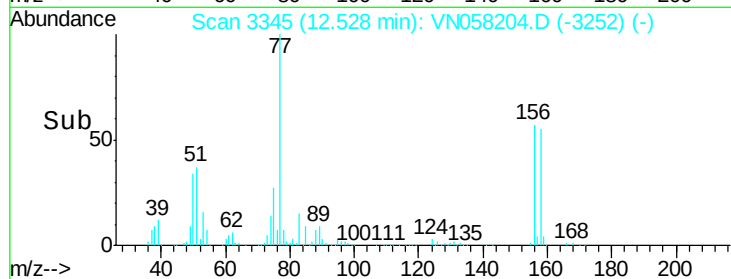
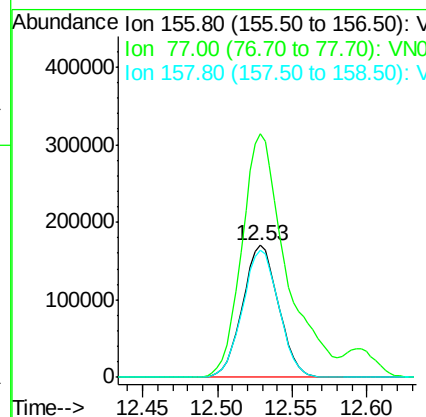
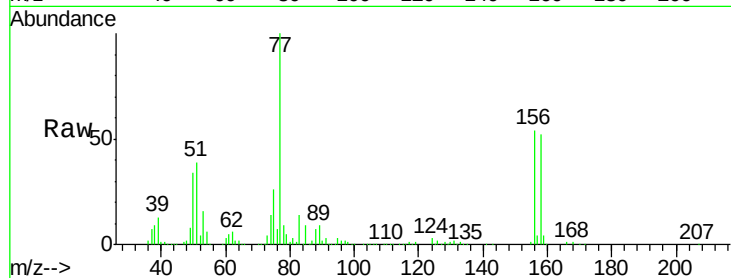
#77
Bromobenzene
Concen: 47.819 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	226.3	111.7	335.1
158	97.4	47.9	143.8

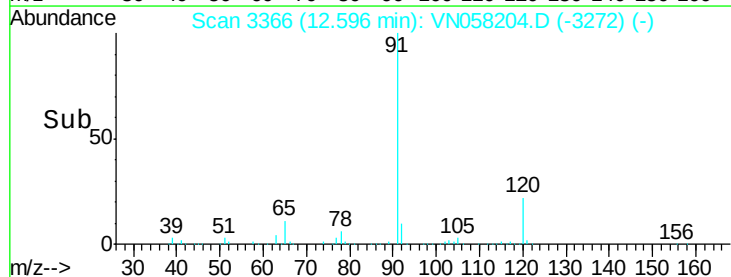
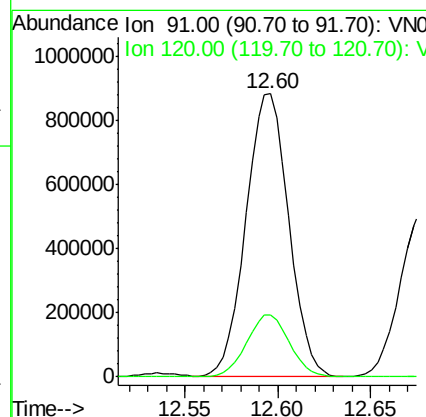
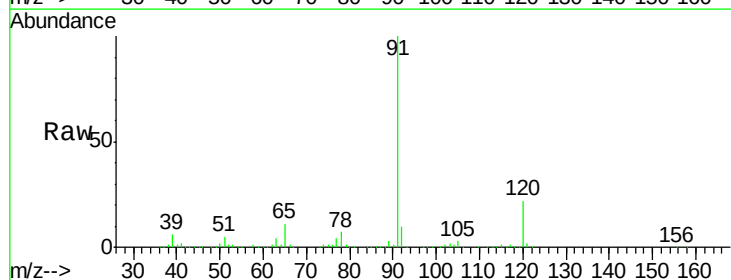
Manual Integrations
APPROVED

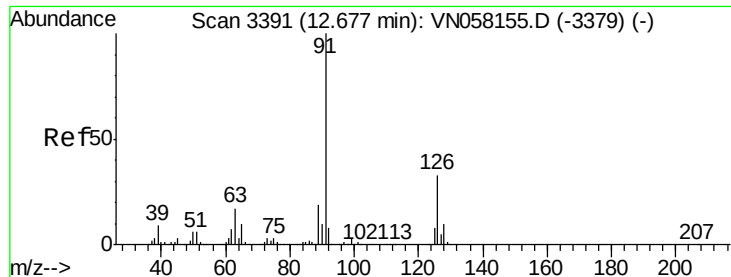
MMDadoda
9/20/2019 3:37:27 PM



#78
n-propylbenzene
Concen: 52.613 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.3





#79

2-Chlorotoluene

Concen: 50.304 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 846882

Ion Ratio Lower Upper

91 100

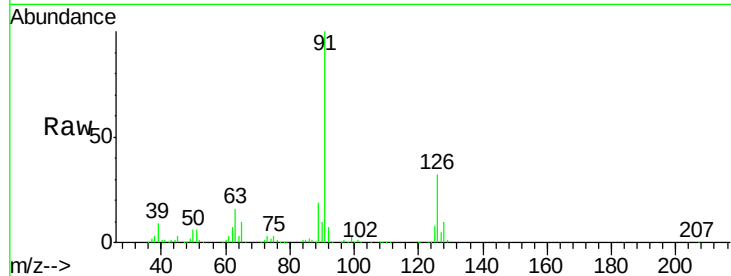
126 32.7 16.4 49.1

Manual Integrations

APPROVED

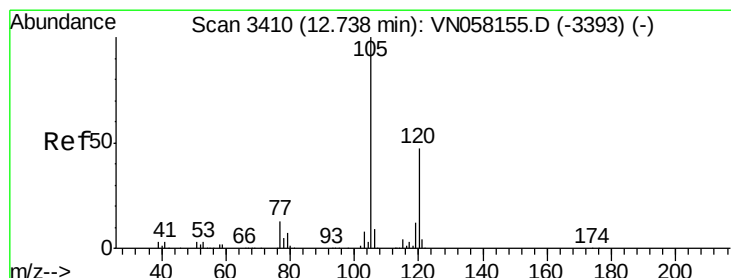
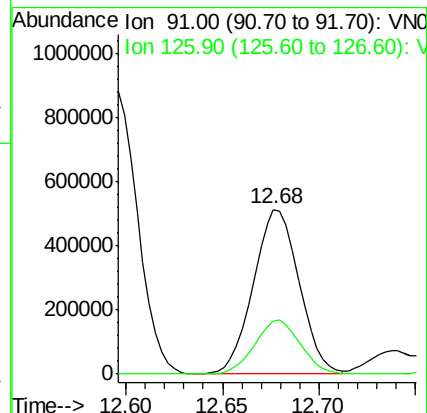
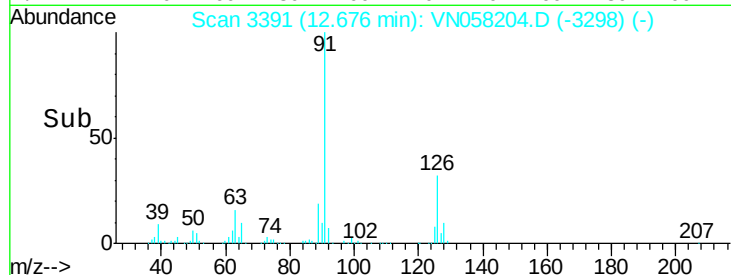
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN058204.D (-3298) (-)

Ion 125.90 (125.60 to 126.60): VN058204.D (-3298) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.875 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058204.D

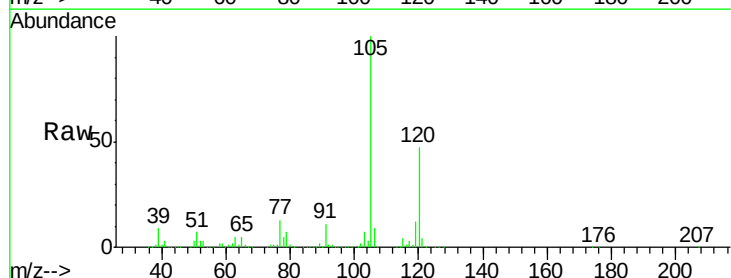
Acq: 19 Sep 2019 14:53

Tgt Ion: 105 Resp: 1039876

Ion Ratio Lower Upper

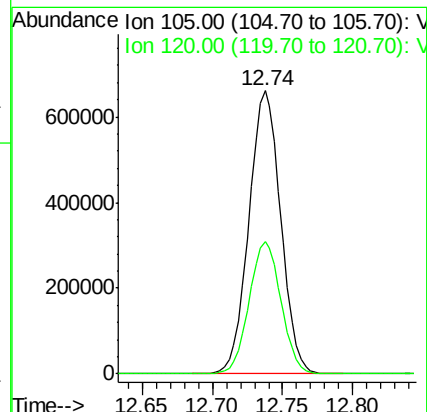
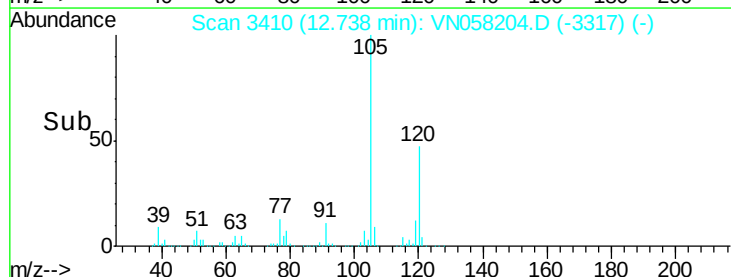
105 100

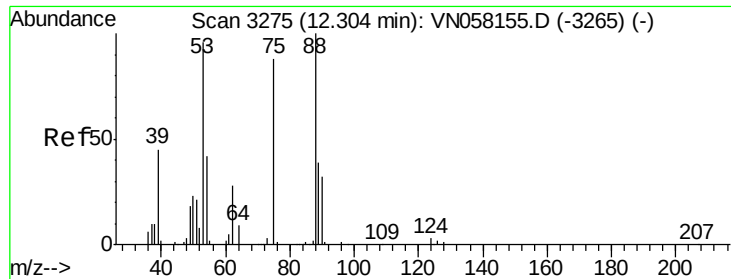
120 47.3 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058204.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058204.D (-3317) (-)





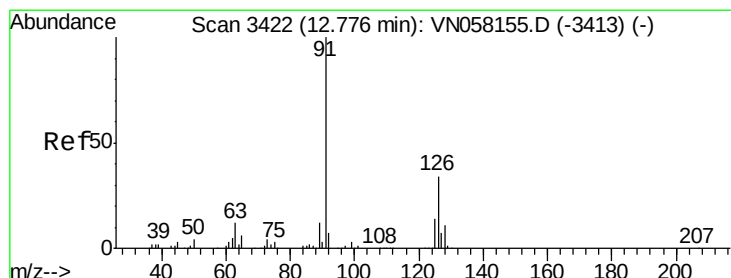
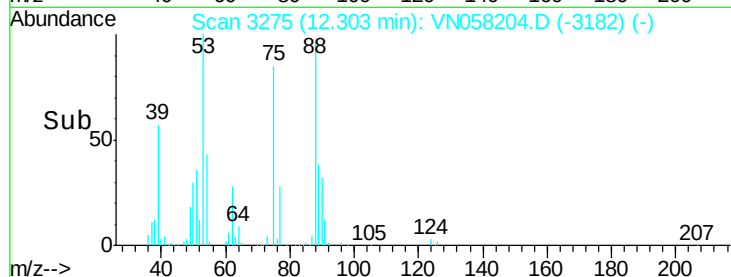
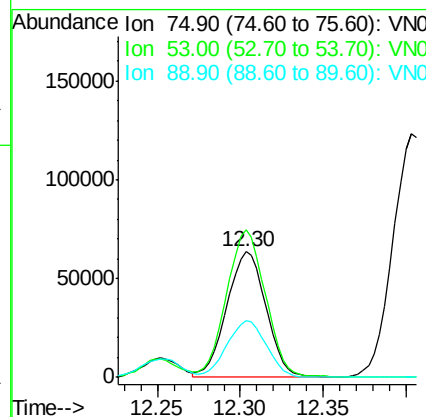
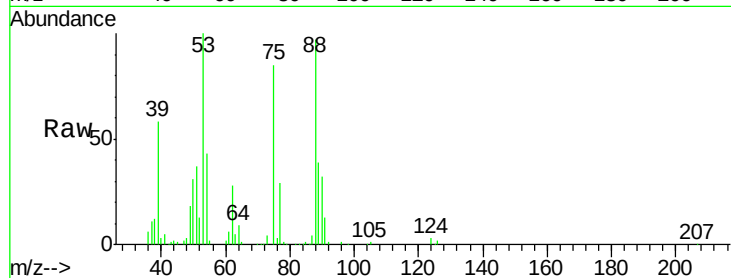
#81
trans-1,4-Dichloro-2-butene
Concen: 46.743 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.2	90.1	135.1
89	44.8	36.2	54.2

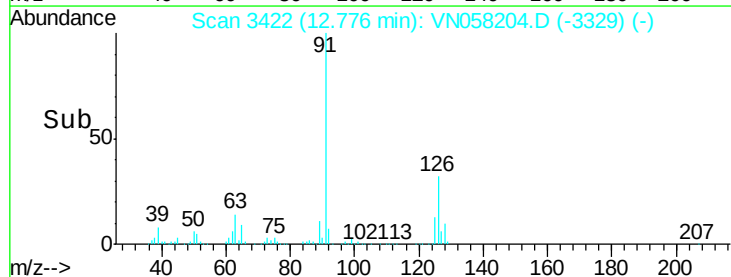
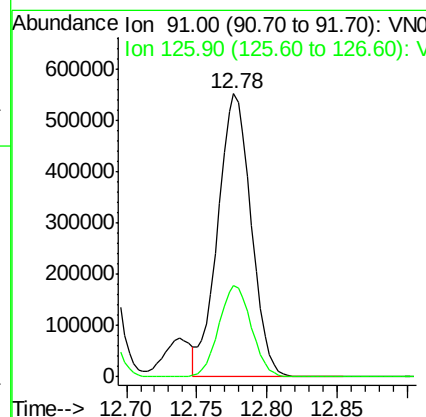
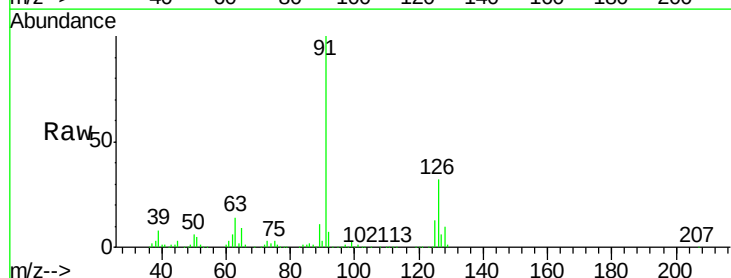
Manual Integrations
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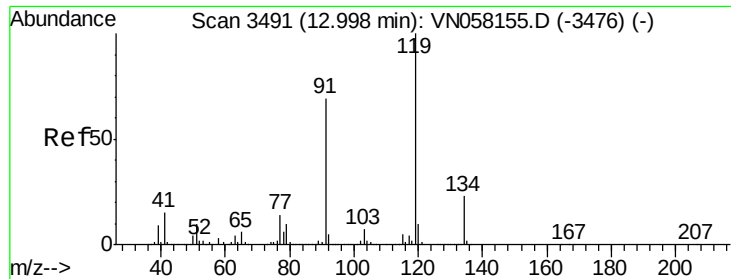
MMDadoda
9/20/2019 3:37:27 PM



#82
4-Chlorotoluene
Concen: 51.084 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.1





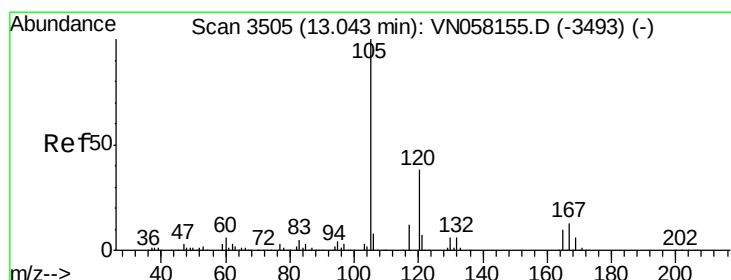
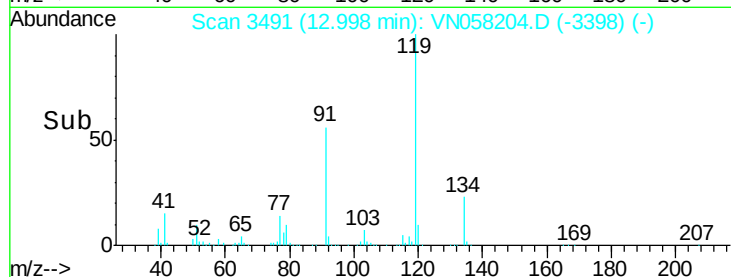
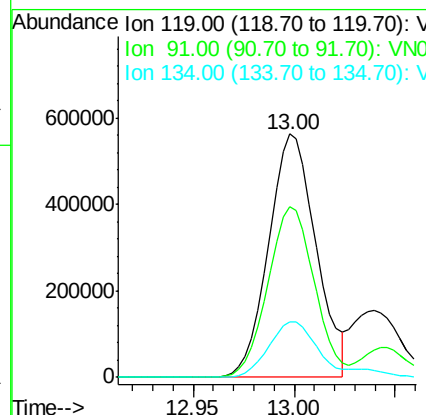
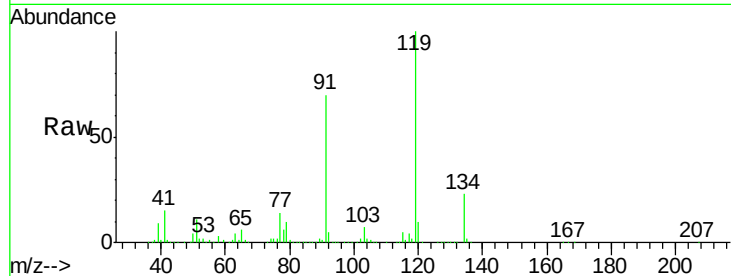
#83
 tert-Butylbenzene
 Concen: 51.420 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	33.8	101.3
134	23.2	11.6	34.8

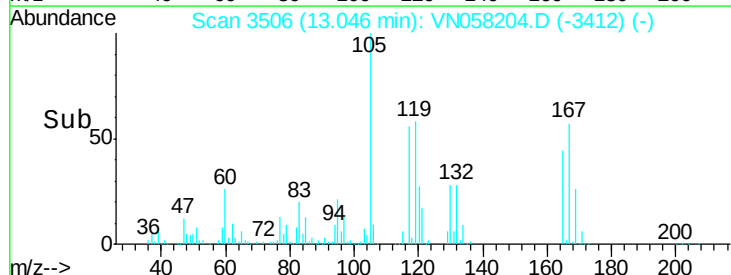
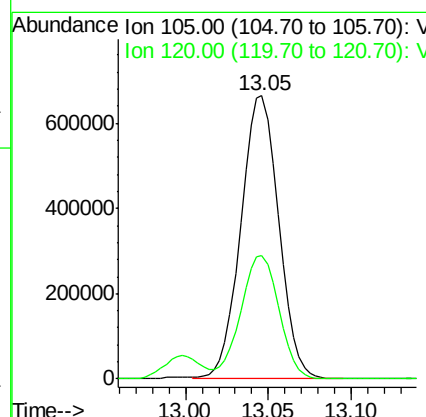
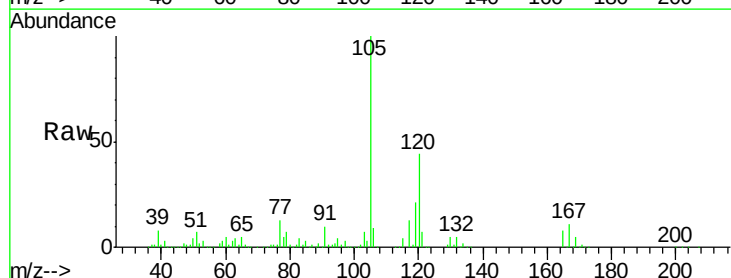
Manual Integrations
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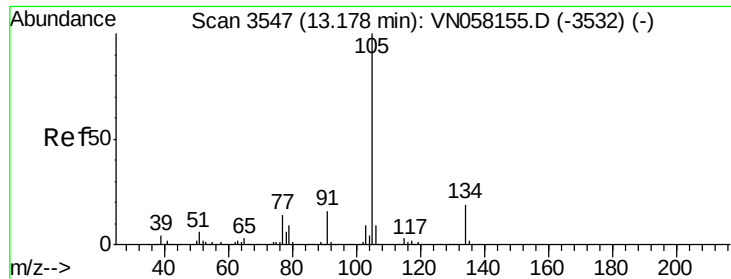
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.857 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.5





#85

sec-Butylbenzene

Concen: 53.116 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1241659

Ion Ratio Lower Upper

105 100

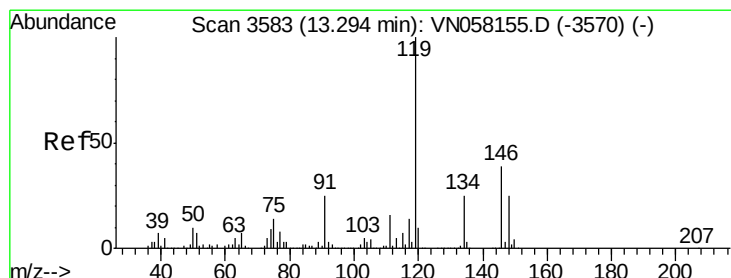
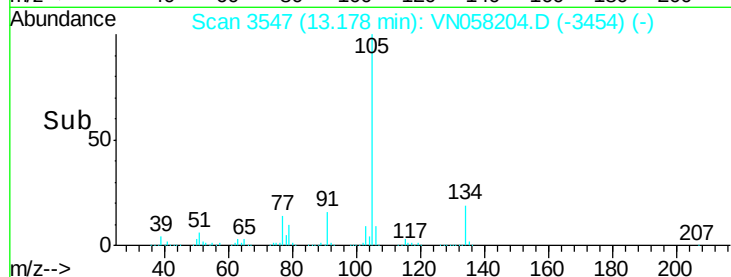
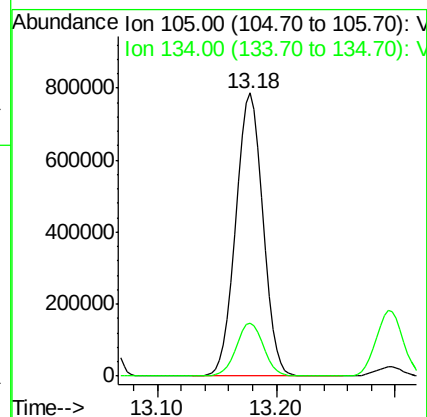
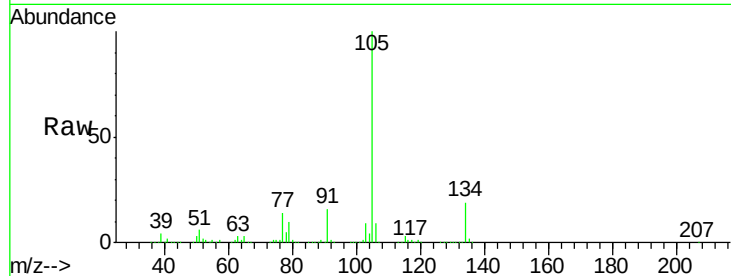
134 18.9 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 53.876 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

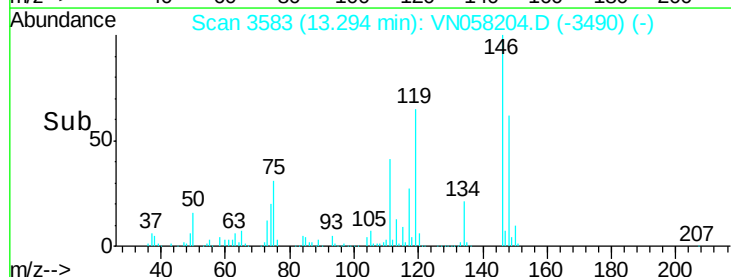
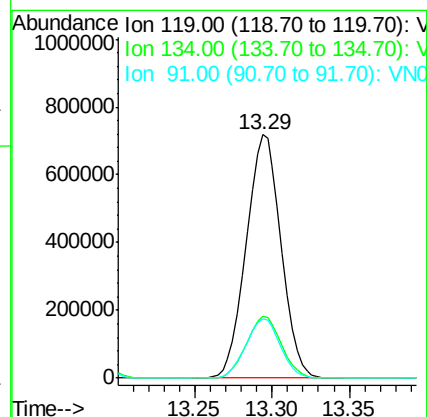
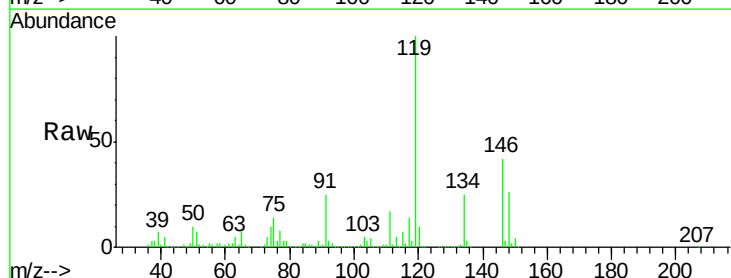
Tgt Ion:119 Resp: 1119663

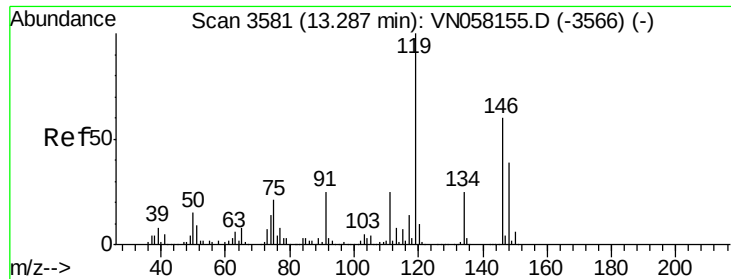
Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.0

91 24.3 12.3 36.8





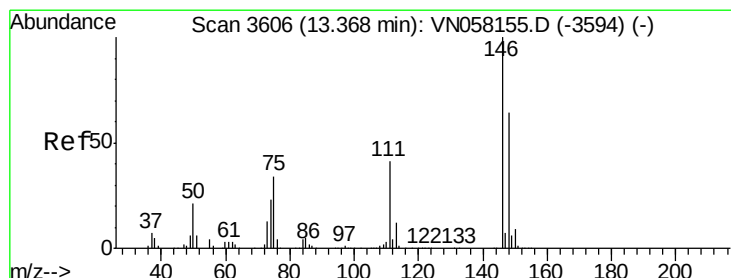
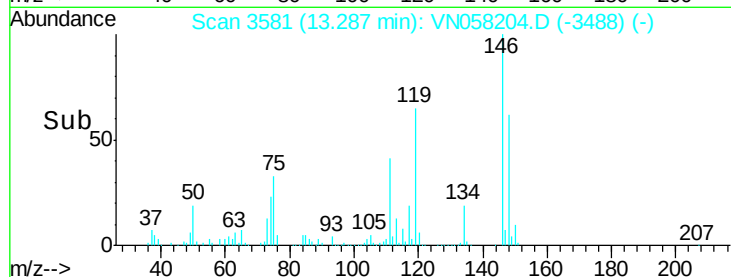
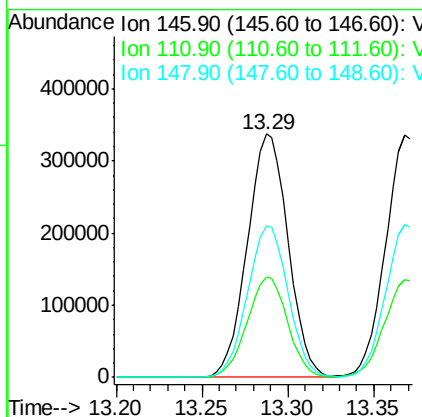
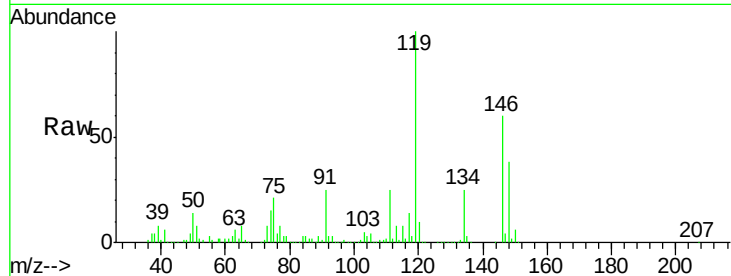
#87
 1,3-Dichlorobenzene
 Concen: 50.779 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	553049		
111	40.9	20.9	62.8	
148	62.4	32.0	96.2	

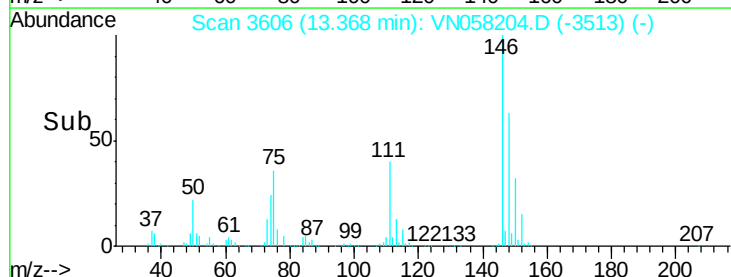
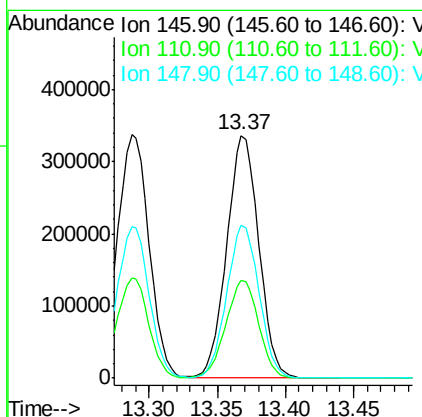
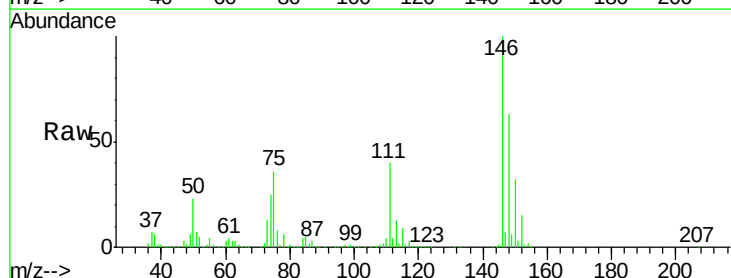
Manual Integrations
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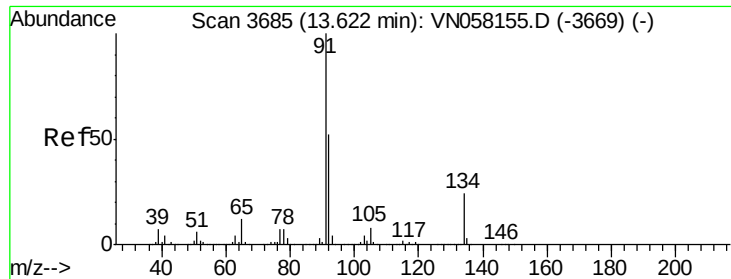
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 49.342 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	548632		
111	41.1	20.5	61.5	
148	63.5	31.9	95.5	





#89

n-Butylbenzene

Concen: 52.208 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1028650

Ion Ratio Lower Upper

91 100

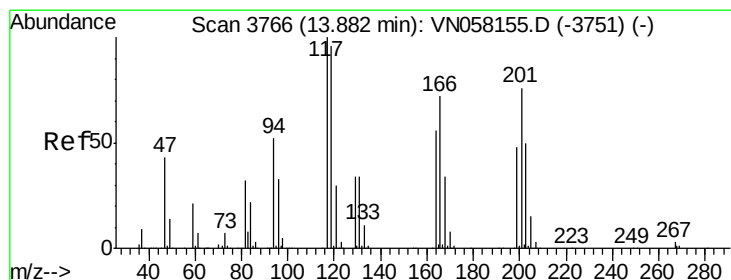
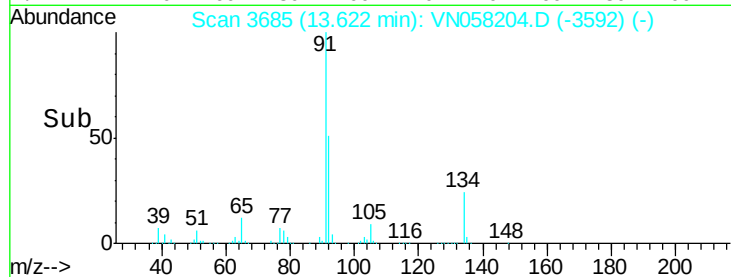
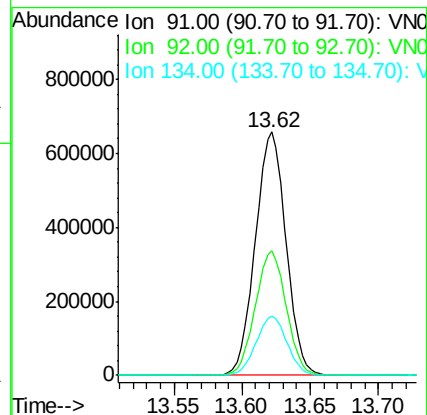
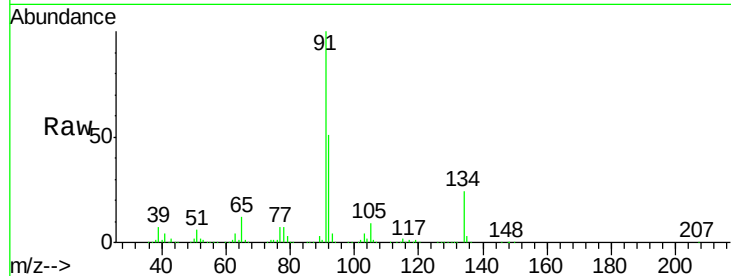
92 51.3 25.7 77.0

134 24.4 11.8 35.4

Manual Integrations
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#90

Hexachloroethane

Concen: 47.693 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058204.D

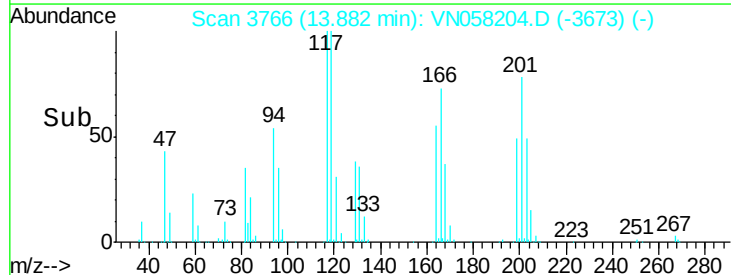
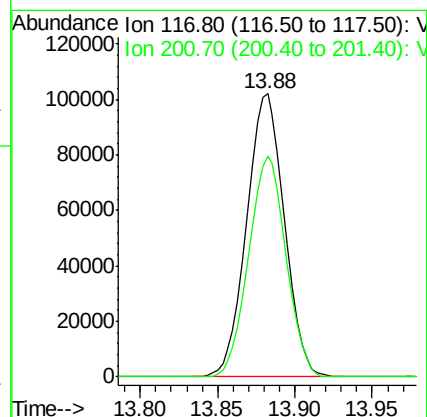
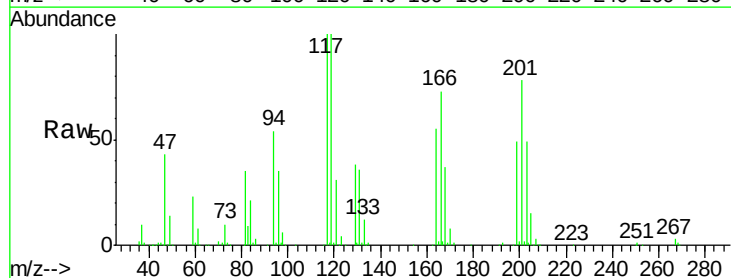
Acq: 19 Sep 2019 14:53

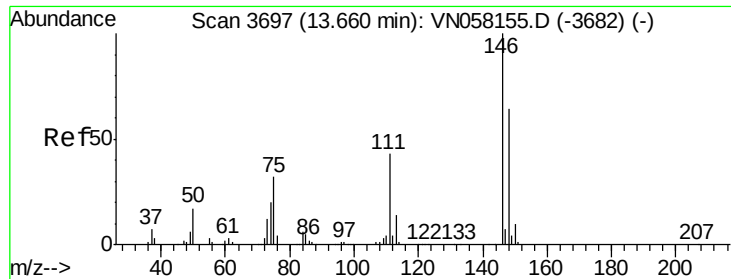
Tgt Ion: 117 Resp: 173302

Ion Ratio Lower Upper

117 100

201 77.2 37.5 112.5





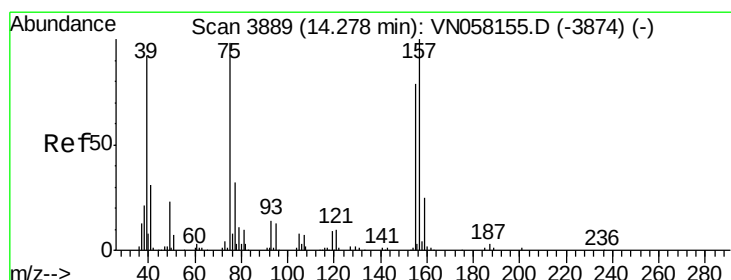
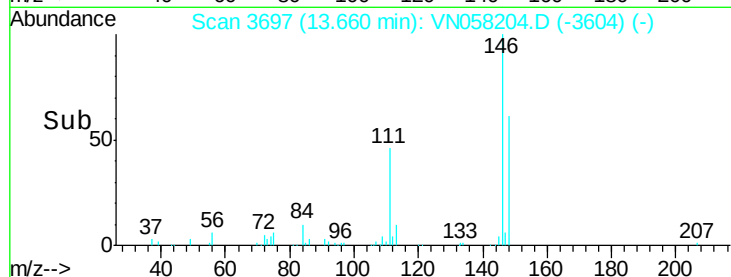
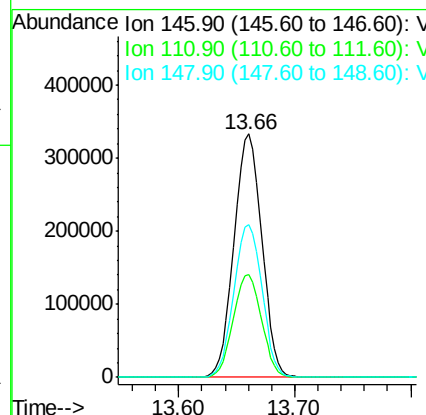
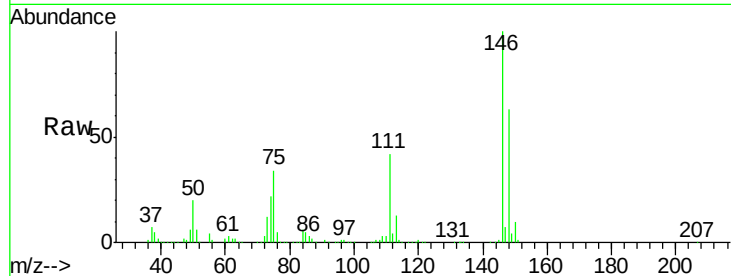
#91
 1,2-Dichlorobenzene
 Concen: 50.708 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.1
148	63.3	31.8	95.4

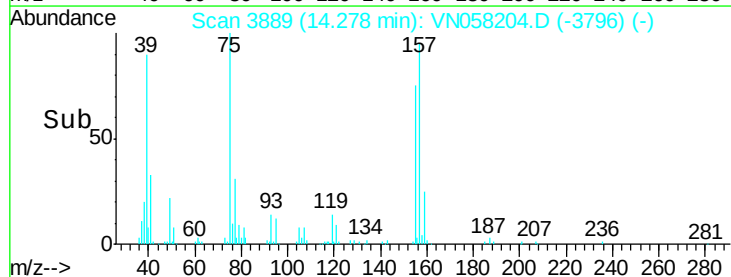
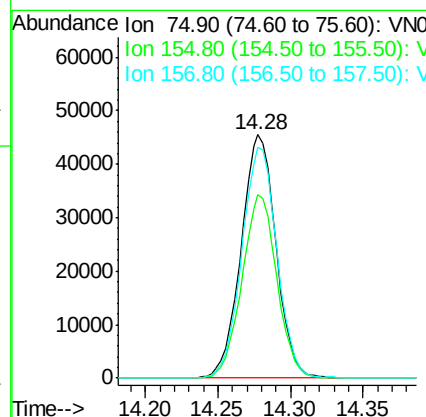
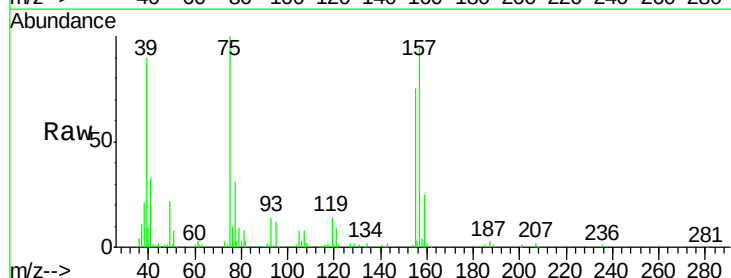
Manual Integrations
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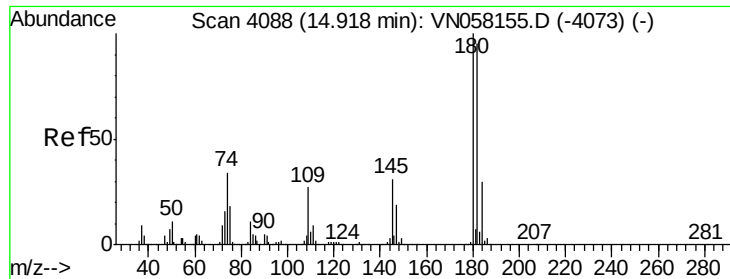
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.082 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.2	38.3	114.8
157	95.3	48.0	144.0





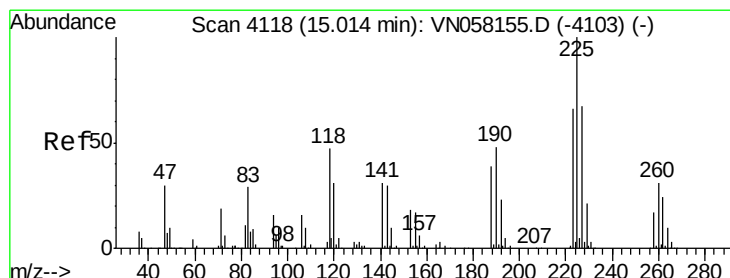
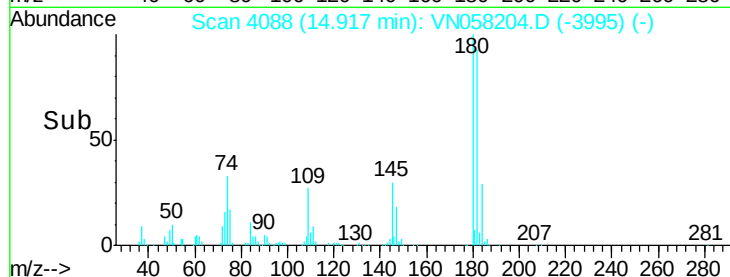
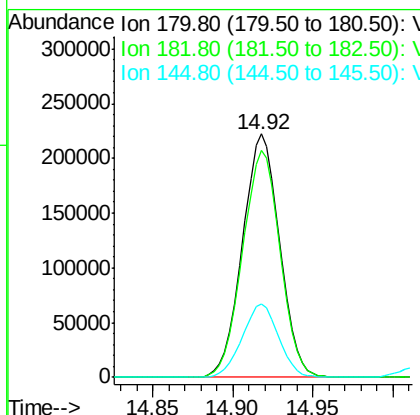
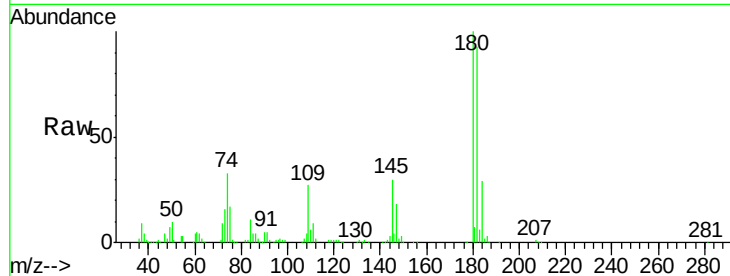
#93
 1,2,4-Trichlorobenzene
 Concen: 50.404 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	351838		
182	94.6	47.8	143.3	
145	29.8	15.4	46.4	

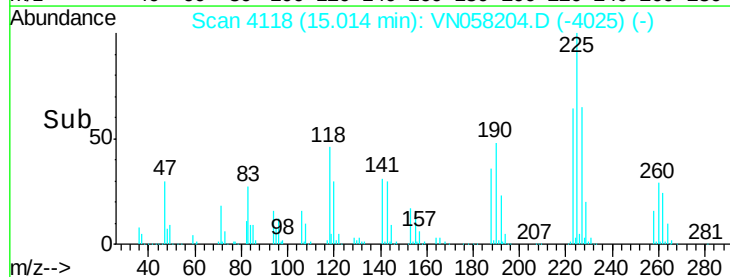
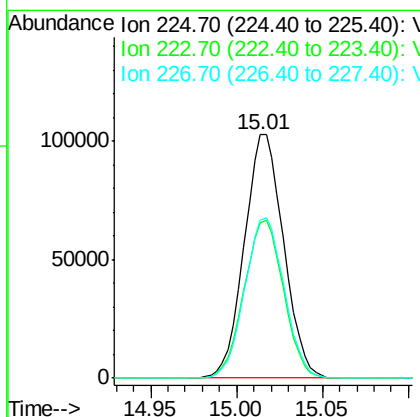
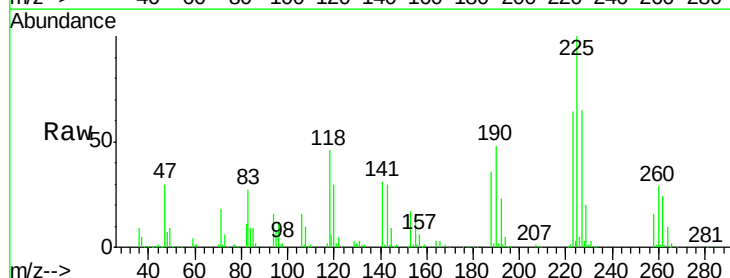
Manual Integrations
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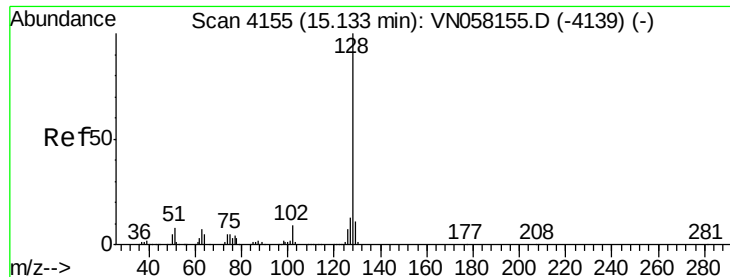
MMDadoda
 9/20/2019 3:37:27 PM



#94
 Hexachlorobutadiene
 Concen: 48.284 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	162901		
223	65.0	32.6	97.7	
227	65.9	33.0	99.0	





#95

Naphthalene

Concen: 53.892 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

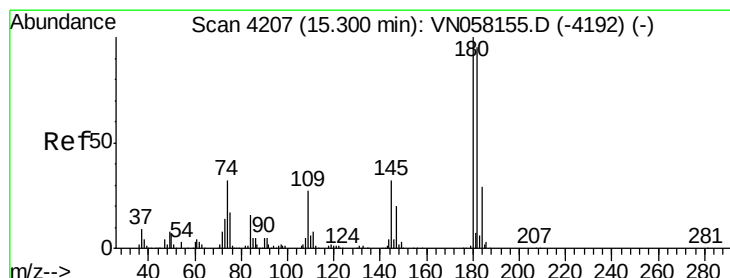
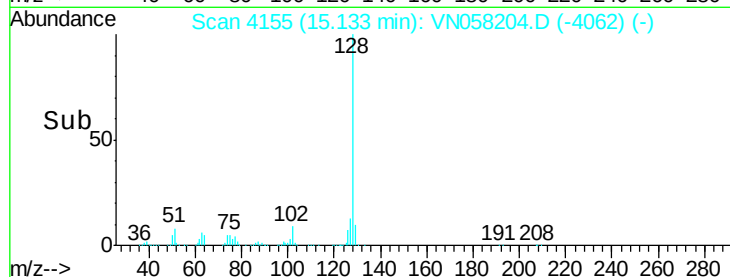
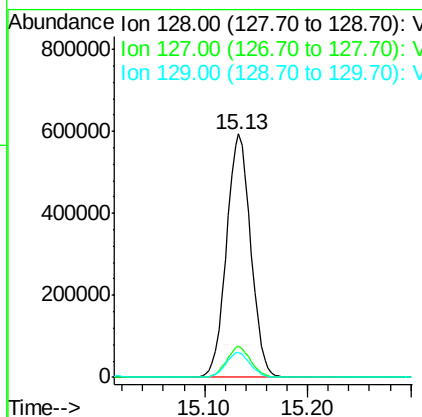
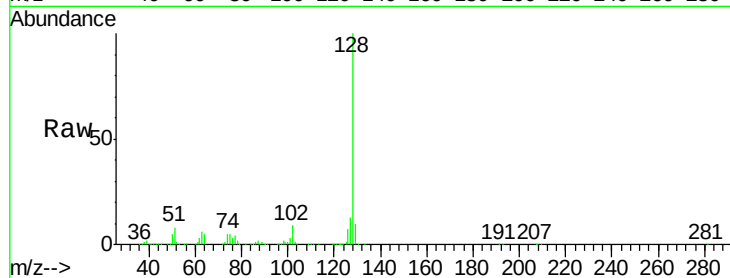
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	974900
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/20/2019 3:37:27 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.905 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Tgt Ion:	180	Resp:	335854
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.4	142.2
145	32.7	16.1	48.2

