

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060578.D
 Acq On : 18 Mar 2020 9:22
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:02:43 PM

Quant Time: Mar 19 05:15:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	228918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	374342	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	343374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162517	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	151938	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
35) Dibromofluoromethane	7.56	113	114937	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
50) Toluene-d8	10.08	98	466900	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.39	95	170382	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	122092	55.121	ug/l	99
3) Chloromethane	2.03	50	200914	48.567	ug/l	100
4) Vinyl Chloride	2.16	62	163285	50.464	ug/l	99
5) Bromomethane	2.54	94	72124	51.636	ug/l	100
6) Chloroethane	2.68	64	96594	51.823	ug/l	98
7) Trichlorofluoromethane	3.00	101	213353	53.527	ug/l	100
8) Diethyl Ether	3.38	74	83382	52.074	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	127092	55.028	ug/l	99
10) Methyl Iodide	3.92	142	121123	58.936	ug/l	99
11) Tert butyl alcohol	4.73	59	95873	207.443	ug/l	99
12) 1,1-Dichloroethene	3.71	96	128910	52.012	ug/l	98
13) Acrolein	3.57	56	113149	220.901	ug/l	100
14) Allyl chloride	4.29	41	222233	50.981	ug/l	99
15) Acrylonitrile	4.94	53	322836	237.547	ug/l	99
16) Acetone	3.77	43	331421	297.734	ug/l	99
17) Carbon Disulfide	4.03	76	402084	53.343	ug/l	100
18) Methyl Acetate	4.28	43	144230	46.033	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	431526	50.641	ug/l	98
20) Methylene Chloride	4.52	84	142822	52.157	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	140485	53.184	ug/l	98
22) Diisopropyl ether	5.91	45	487841	52.972	ug/l	99
23) Vinyl Acetate	5.85	43	1974367	262.754	ug/l	100
24) 1,1-Dichloroethane	5.81	63	264597	52.703	ug/l	99
25) 2-Butanone	6.79	43	461676	256.307	ug/l	99
26) 2,2-Dichloropropane	6.79	77	233377	59.082	ug/l	100
27) cis-1,2-Dichloroethene	6.79	96	157762	52.557	ug/l	98
28) Bromochloromethane	7.16	49	115397	48.042	ug/l	98
29) Tetrahydrofuran	7.17	42	286448	224.759	ug/l	99
30) Chloroform	7.34	83	251162	52.185	ug/l	100
31) Cyclohexane	7.63	56	257305	50.837	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	220932	53.248	ug/l	99
36) 1,1-Dichloropropene	7.77	75	203828	56.232	ug/l	100
37) Ethyl Acetate	6.89	43	188048	48.012	ug/l	100
38) Carbon Tetrachloride	7.75	117	180165	55.457	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	246895	57.316	ug/l	99
40) Benzene	8.01	78	596794	54.540	ug/l	99
41) Methacrylonitrile	7.14	41	79484m	47.552	ug/l	
42) 1,2-Dichloroethane	8.10	62	201435	53.866	ug/l	100
43) Isopropyl Acetate	8.14	43	326139	50.491	ug/l	99
44) Trichloroethene	8.81	130	153333	55.587	ug/l	98
45) 1,2-Dichloropropane	9.10	63	158921	55.041	ug/l	98
46) Dibromomethane	9.19	93	95454	54.684	ug/l	99
47) Bromodichloromethane	9.38	83	201361	55.513	ug/l	99
48) Methyl methacrylate	9.18	41	146308	50.874	ug/l	99
49) 1,4-Dioxane	9.18	88	33607	983.143	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	911619	248.016	ug/l	100
52) Toluene	10.14	92	367618	55.629	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	238381	57.212	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	257835	56.407	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	137158	53.949	ug/l	98
56) Ethyl methacrylate	10.42	69	216342	54.575	ug/l	100
57) 1,3-Dichloropropane	10.70	76	239870	54.370	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	589301	299.105	ug/l	100
59) 2-Hexanone	10.74	43	687648	259.709	ug/l	100
60) Dibromochloromethane	10.89	129	146724	55.871	ug/l	99
61) 1,2-Dibromoethane	10.99	107	140064	54.788	ug/l	100
64) Tetrachloroethene	10.62	164	152235	56.340	ug/l	99
65) Chlorobenzene	11.42	112	374483	55.014	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	134884	54.729	ug/l	99
67) Ethyl Benzene	11.50	91	704978	55.691	ug/l	99
68) m/p-Xylenes	11.61	106	526023	111.823	ug/l	100
69) o-Xylene	11.94	106	249456	55.551	ug/l	100
70) Styrene	11.96	104	414893	56.492	ug/l	99
71) Bromoform	12.12	173	102362	49.972	ug/l #	100
73) Isopropylbenzene	12.24	105	670057	54.940	ug/l	100
74) N-amyl acetate	12.06	43	290643	51.571	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	180006	48.805	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	165124m	47.087	ug/l	
77) Bromobenzene	12.52	156	158602	53.967	ug/l	97
78) n-propylbenzene	12.59	91	804405	55.826	ug/l	100
79) 2-Chlorotoluene	12.67	91	462530	53.724	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	567256	54.807	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	72522	53.114	ug/l	98
82) 4-Chlorotoluene	12.77	91	484740	55.281	ug/l	99
83) tert-Butylbenzene	12.99	119	468740	54.632	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	565249	55.203	ug/l	100
85) sec-Butylbenzene	13.17	105	641144	55.571	ug/l	100
86) p-Isopropyltoluene	13.28	119	582930	56.187	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	282829	54.565	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	284066	54.548	ug/l	99
89) n-Butylbenzene	13.61	91	542552	57.922	ug/l	100
90) Hexachloroethane	13.87	117	86833	57.579	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	268474	54.169	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	36016	46.604	ug/l	99

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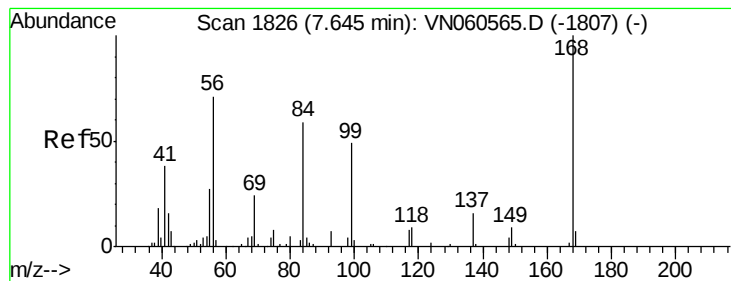
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	170256	55.939	ug/l	100
94) Hexachlorobutadiene	15.01	225	86521	57.988	ug/l	99
95) Naphthalene	15.13	128	460060	50.255	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	156796	52.302	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 228918

Ion Ratio Lower Upper

168 100

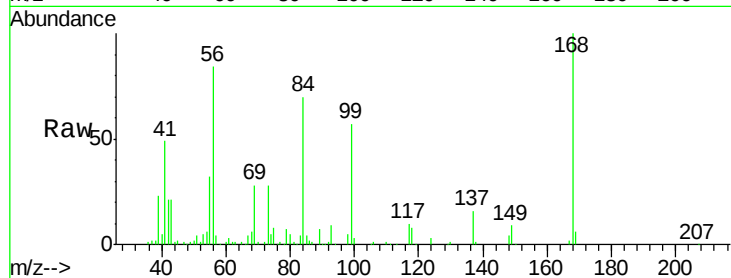
99 57.3 44.0 66.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

60000

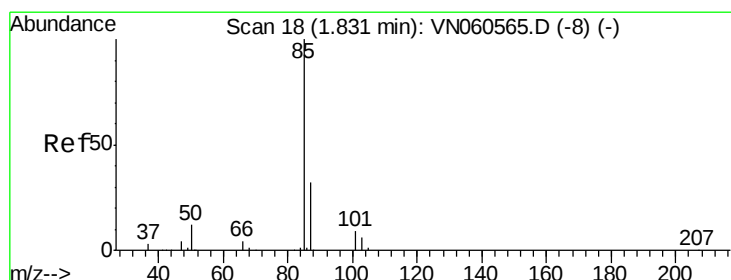
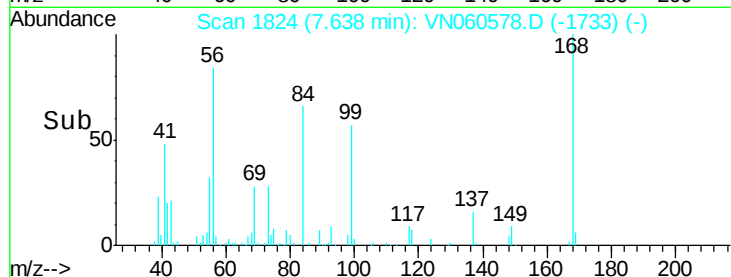
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 55.121 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060578.D

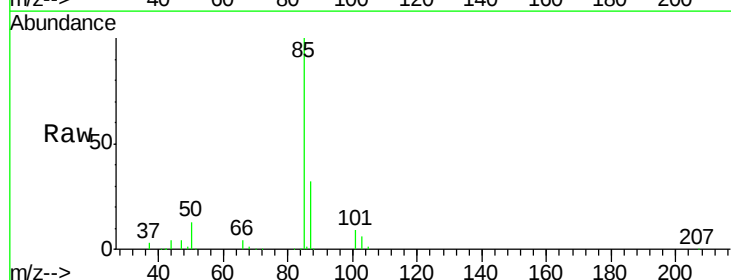
Acq: 18 Mar 2020 9:22

Tgt Ion: 85 Resp: 122092

Ion Ratio Lower Upper

85 100

87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

60000

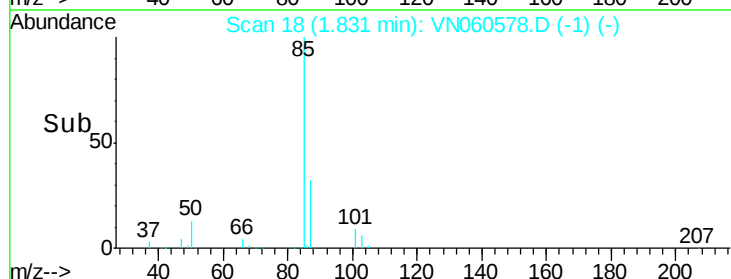
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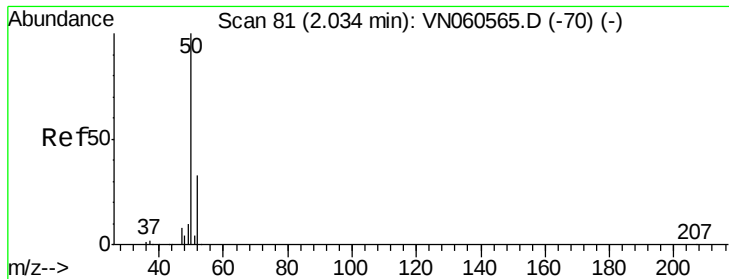
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 48.567 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 200914

Ion Ratio Lower Upper

50 100

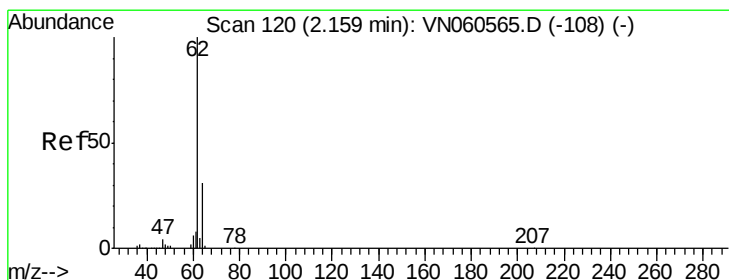
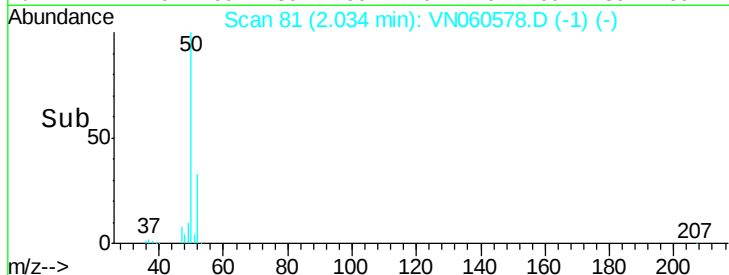
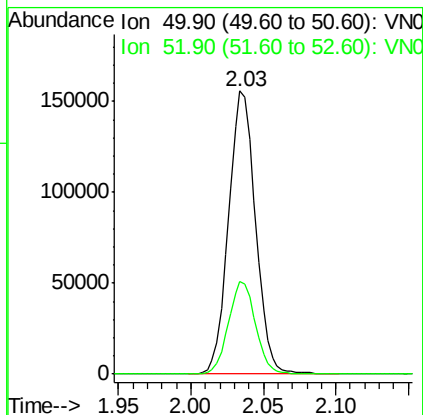
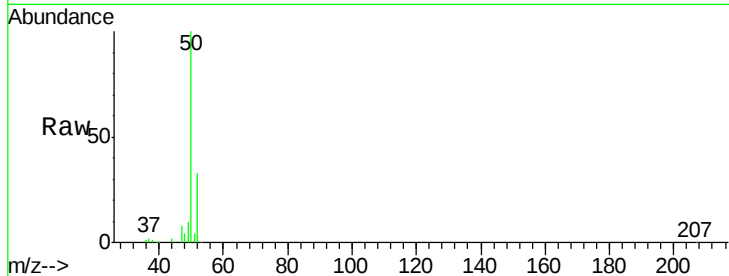
52 32.6 26.2 39.2

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#4

Vinyl Chloride

Concen: 50.464 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060578.D

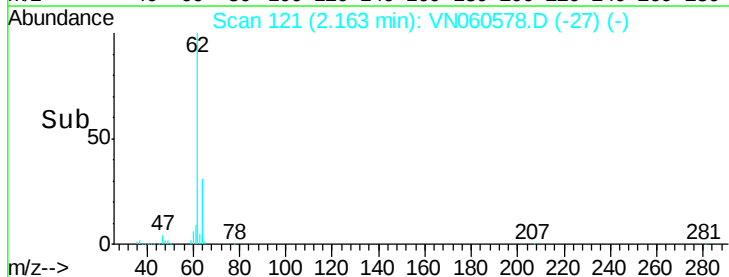
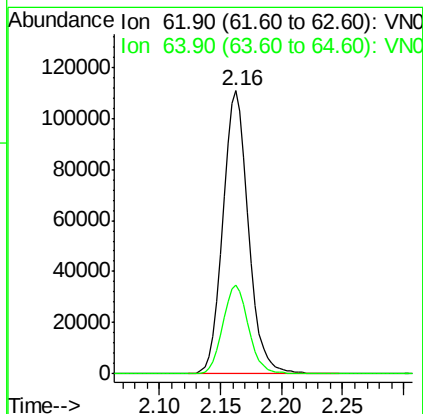
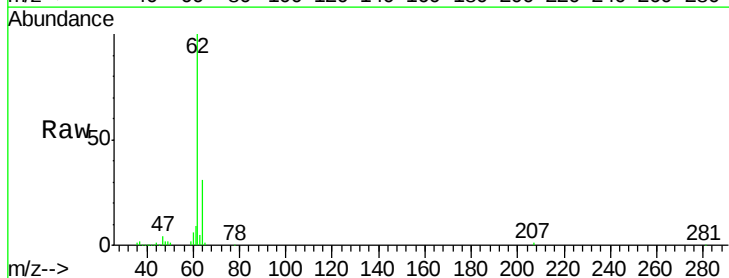
Acq: 18 Mar 2020 9:22

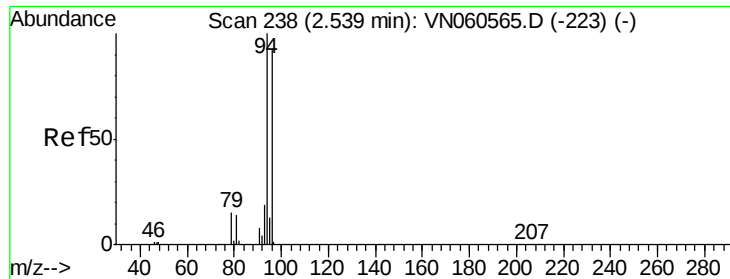
Tgt Ion: 62 Resp: 163285

Ion Ratio Lower Upper

62 100

64 31.3 24.7 37.1





#5

Bromomethane

Concen: 51.636 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 72124

Ion Ratio Lower Upper

94 100

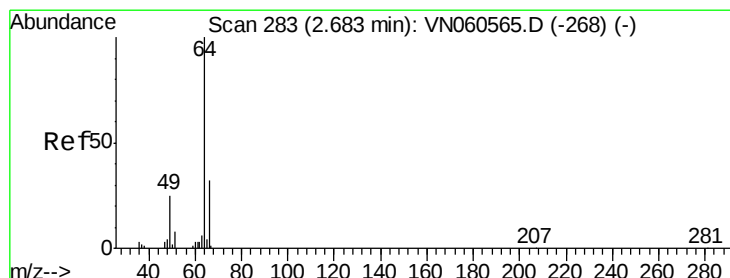
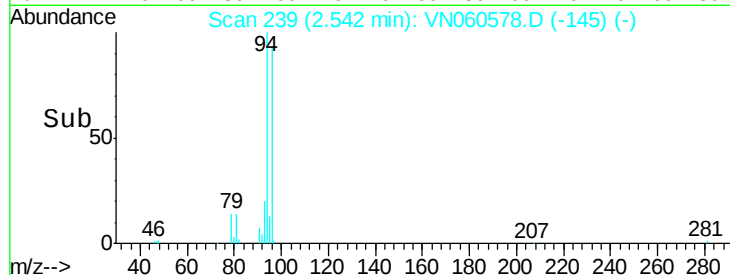
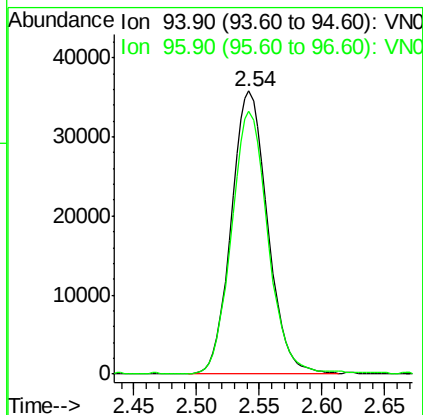
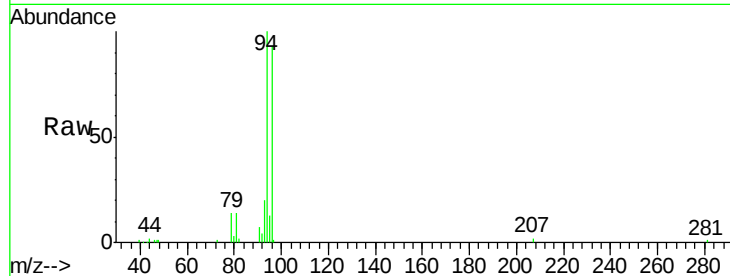
96 93.0 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 51.823 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060578.D

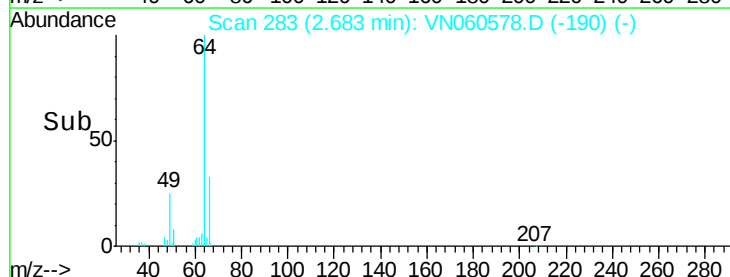
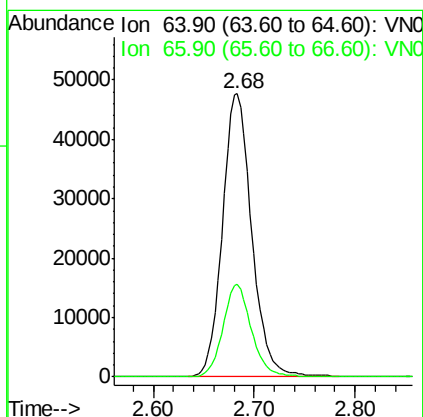
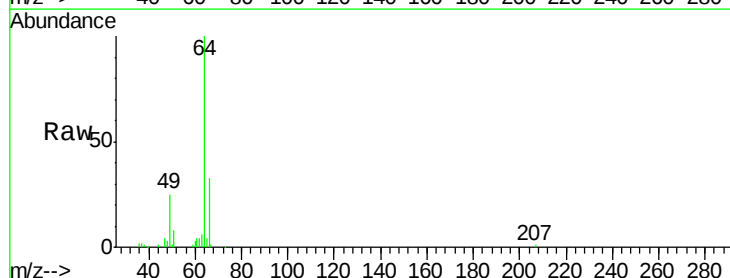
Acq: 18 Mar 2020 9:22

Tgt Ion: 64 Resp: 96594

Ion Ratio Lower Upper

64 100

66 32.5 25.3 37.9





#7

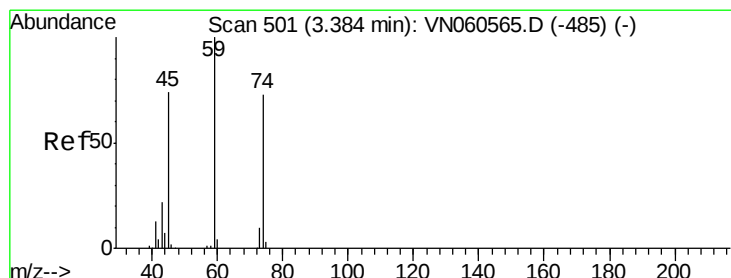
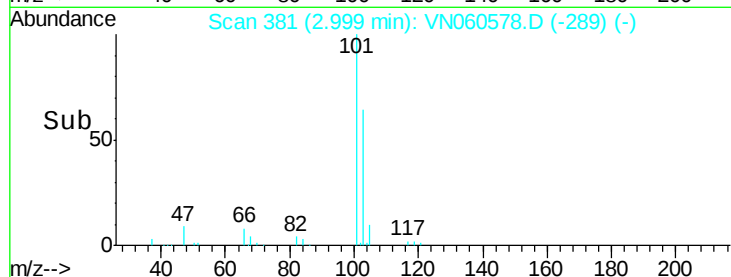
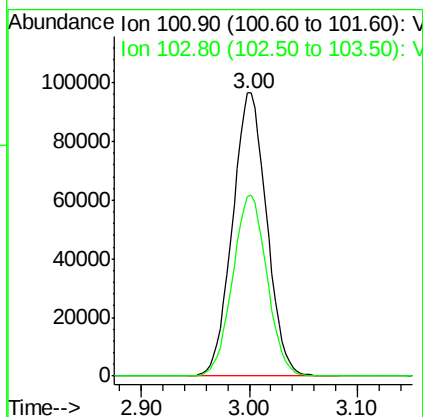
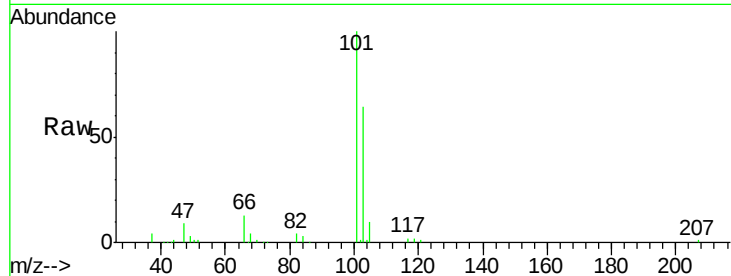
Trichlorofluoromethane
 Concen: 53.527 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN060578.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
213353	101	100			
	103	63.6	50.6	76.0	

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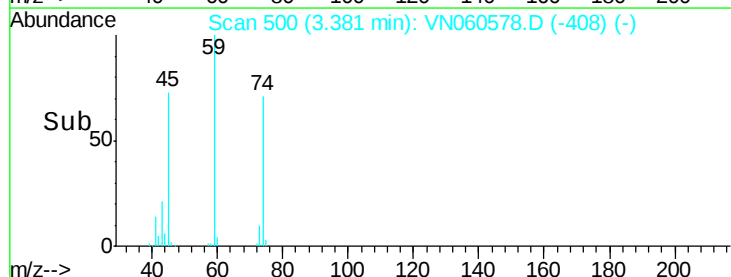
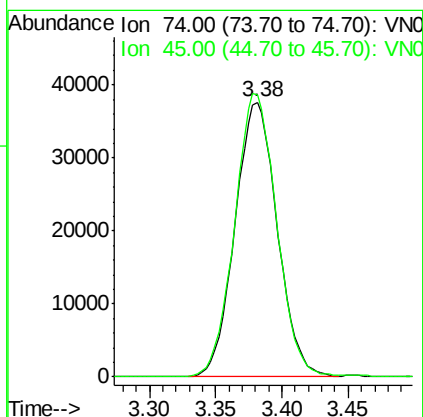
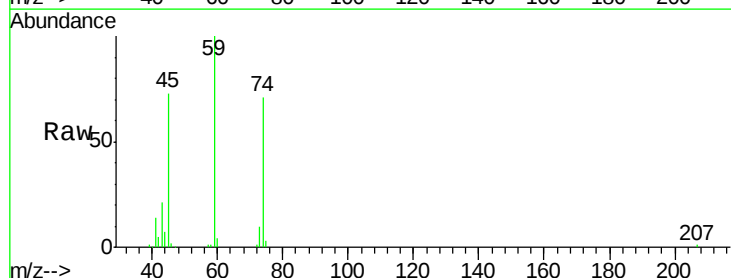
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#8

Diethyl Ether
 Concen: 52.074 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060578.D
 Acq: 18 Mar 2020 9:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83382	74	100			
	45	103.0	51.3	153.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.028 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Instrument :

MSVOA_N

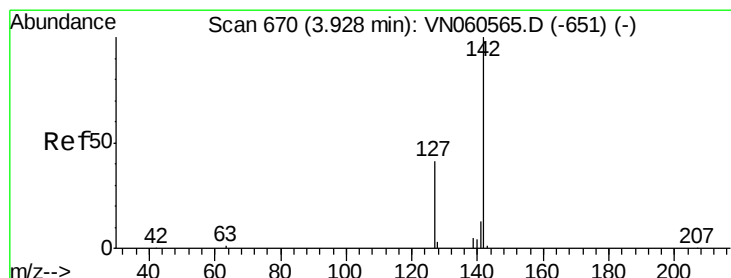
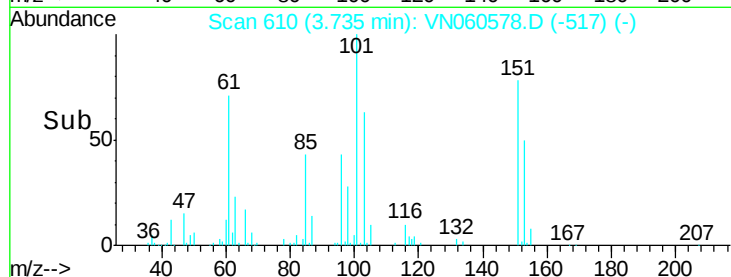
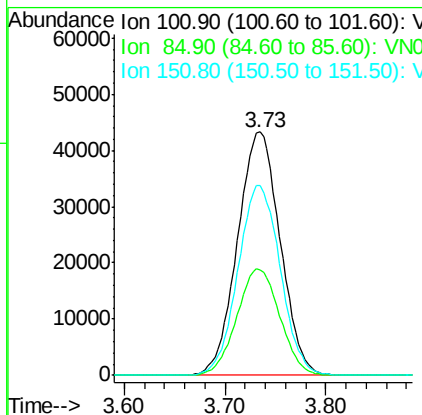
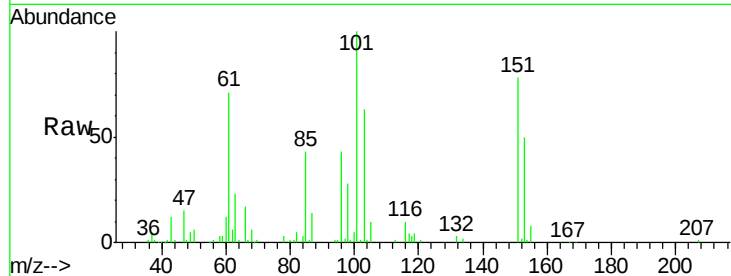
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	127092
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.6	53.4
151	77.6	61.4	92.2

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#10

Methyl Iodide

Concen: 58.936 ug/l

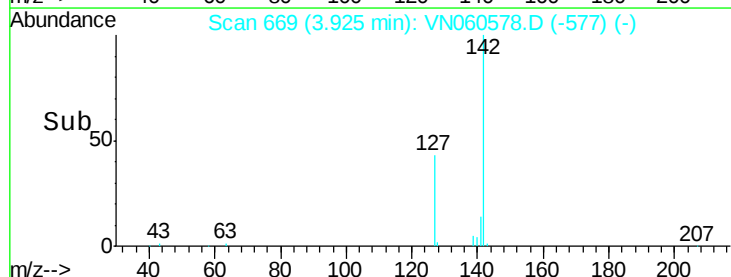
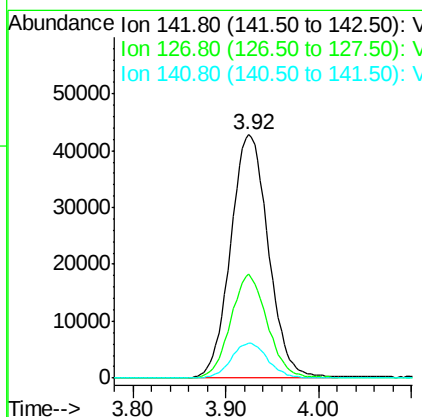
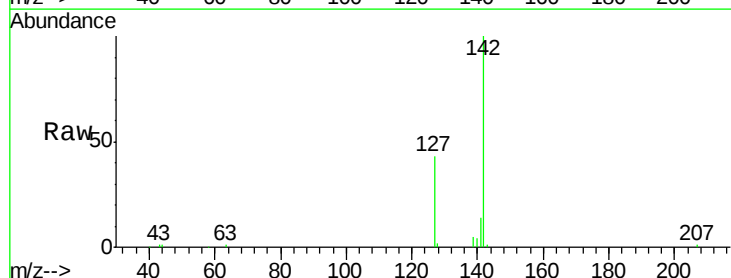
RT: 3.92 min Scan# 669

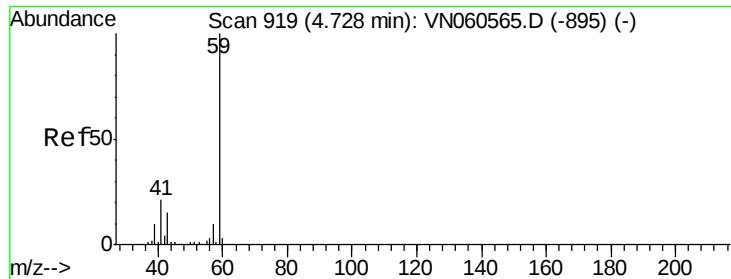
Delta R.T. -0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Tgt Ion:	142	Resp:	121123
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.5	50.3
141	13.9	11.0	16.6





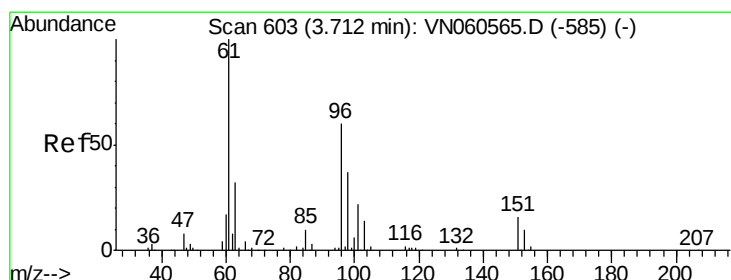
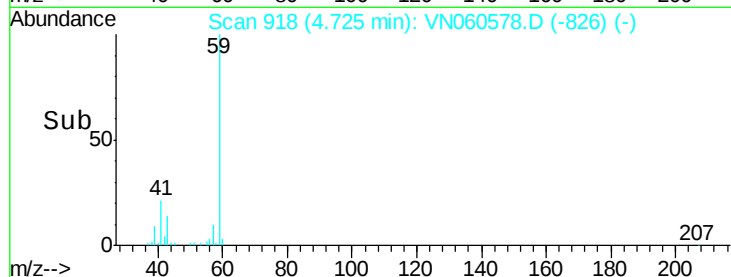
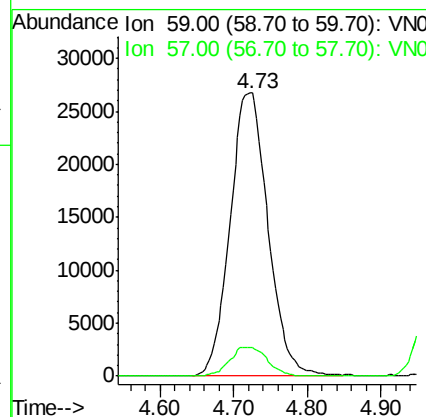
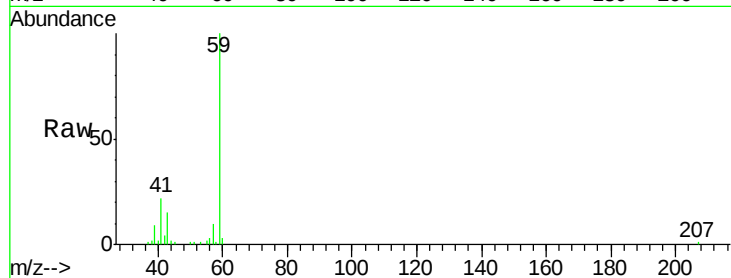
#11
Tert butyl alcohol
Concen: 207.443 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	95873
Ion Ratio	100	Lower	Upper
57	10.1	8.2	12.4

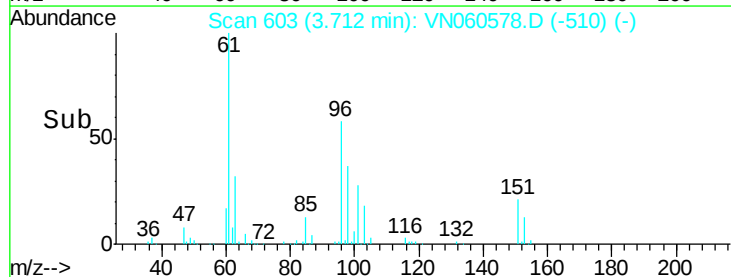
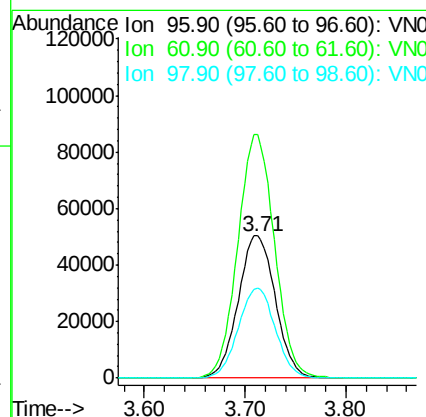
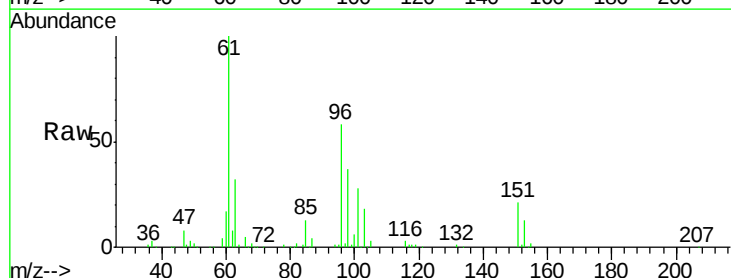
Manual Integrations
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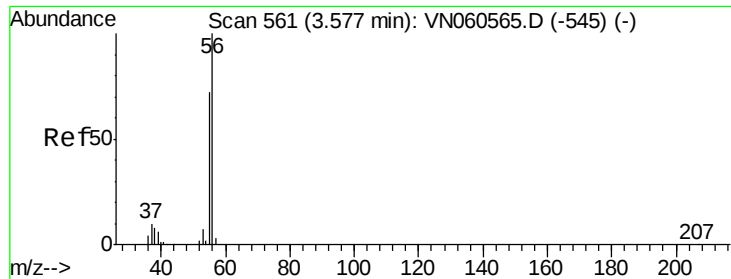
MMDadoda
3/19/2020 1:02:43 PM



#12
1,1-Dichloroethene
Concen: 52.012 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Tgt Ion	96	Resp	128910
Ion Ratio	100	Lower	Upper
61	171.1	134.1	201.1
98	63.5	49.9	74.9





#13

Acrolein

Concen: 220.901 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.01 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 113149

Ion Ratio Lower Upper

56 100

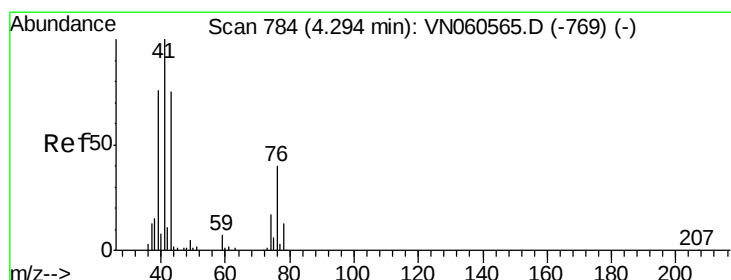
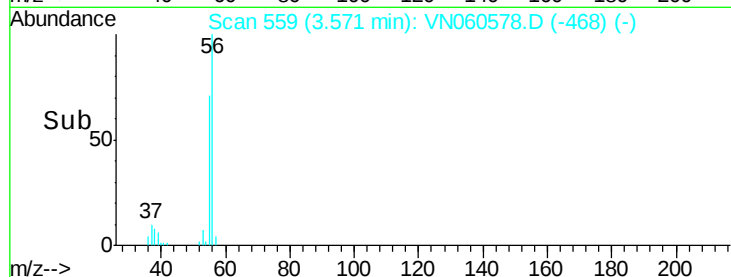
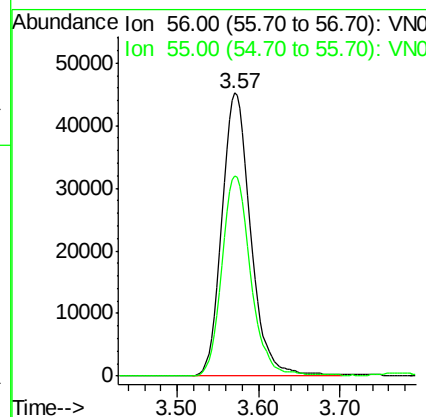
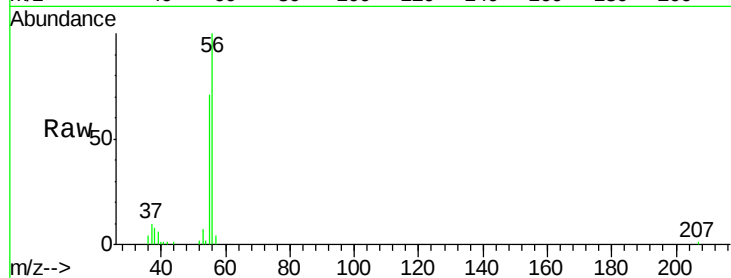
55 71.0 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 50.981 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.01 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

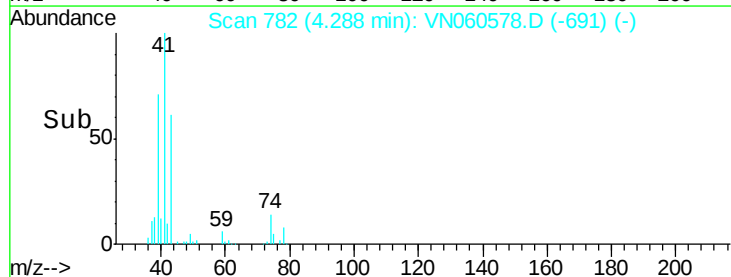
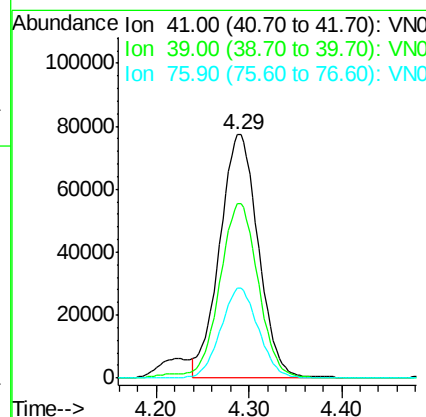
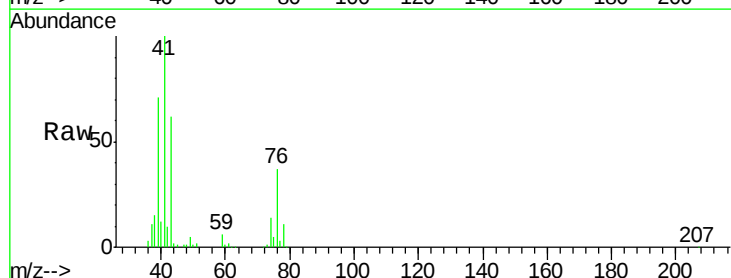
Tgt Ion: 41 Resp: 222233

Ion Ratio Lower Upper

41 100

39 72.8 57.8 86.8

76 36.1 28.6 43.0





#15

Acrylonitrile

Concen: 237.547 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.01 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Instrument :

MSVOA_N

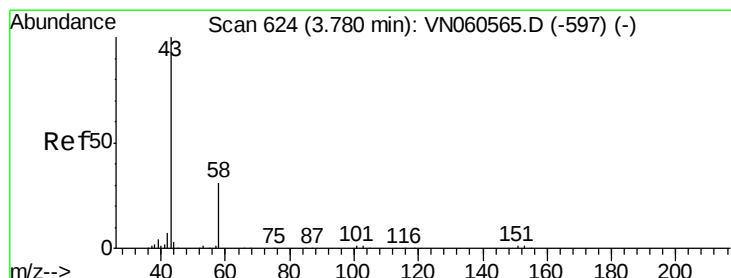
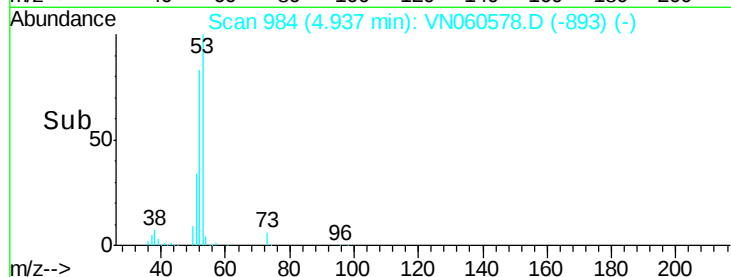
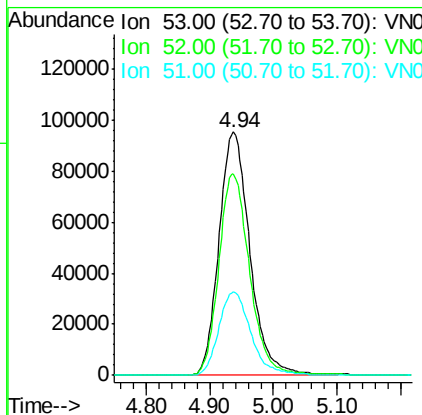
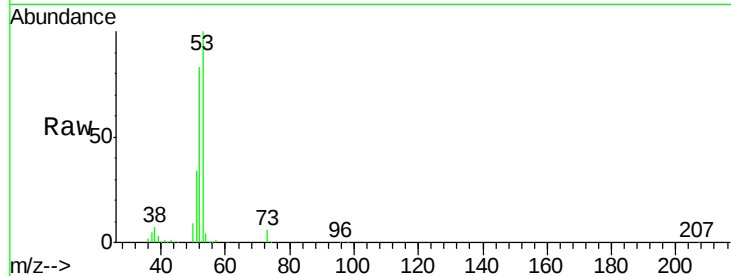
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	322836
Ion Ratio	Lower	Upper	
53	100		
52	81.8	66.2	99.4
51	35.7	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 297.734 ug/l

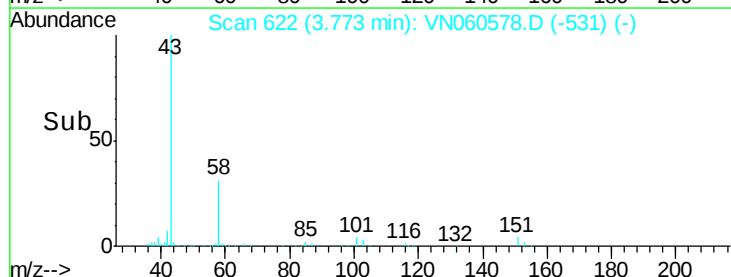
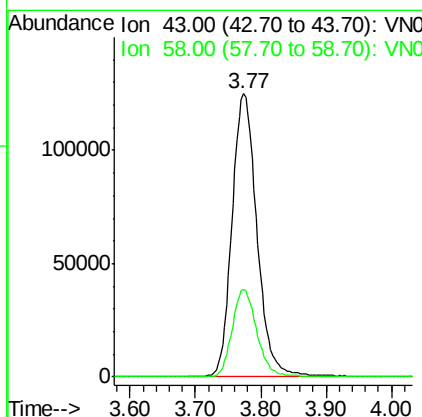
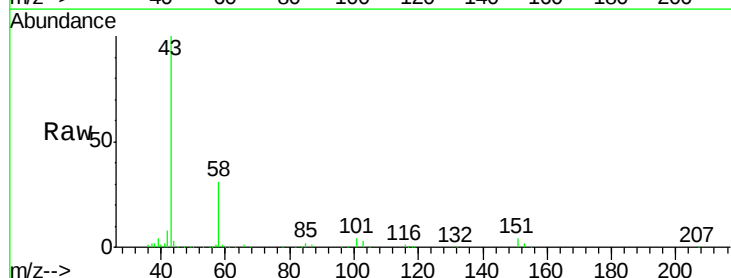
RT: 3.77 min Scan# 622

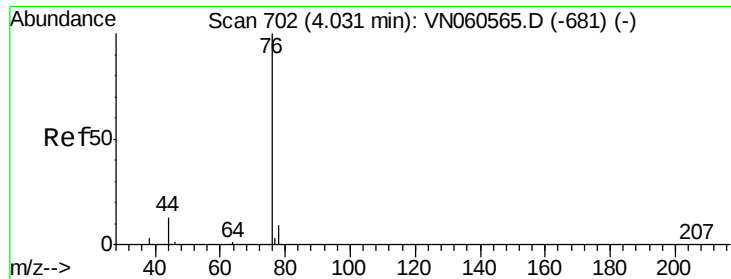
Delta R.T. -0.01 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Tgt Ion:	43	Resp:	331421
Ion Ratio	Lower	Upper	
43	100		
58	31.0	25.1	37.7





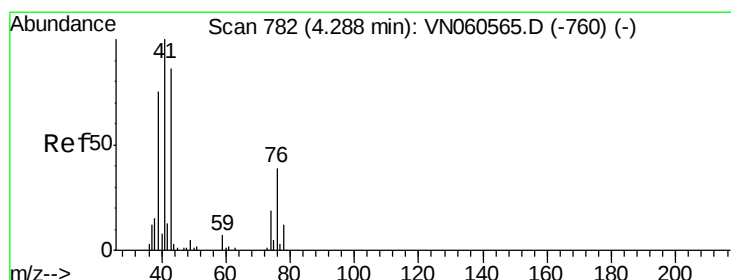
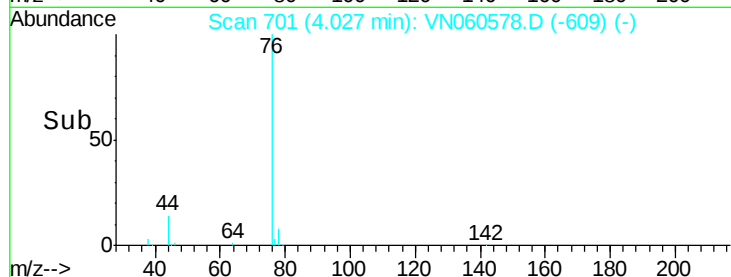
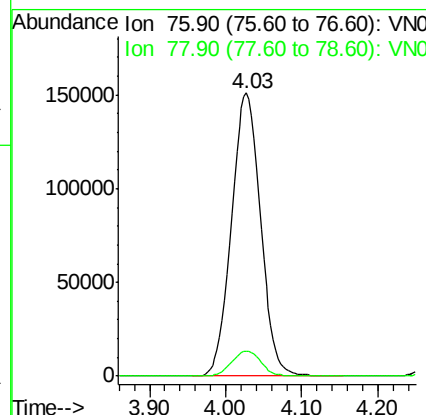
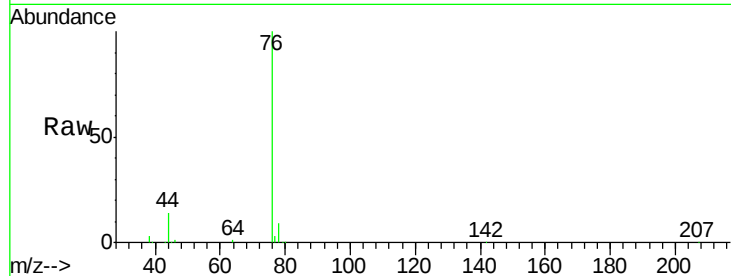
#17
Carbon Disulfide
Concen: 53.343 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

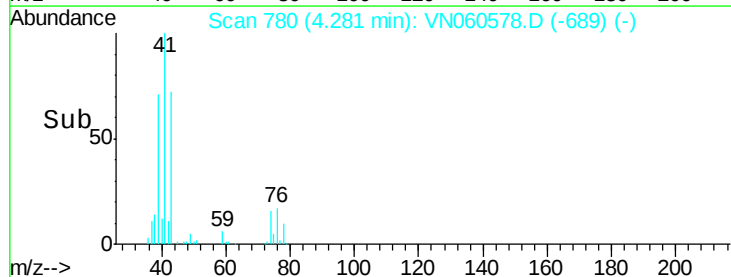
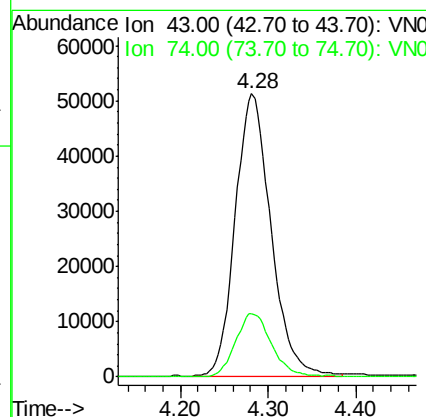
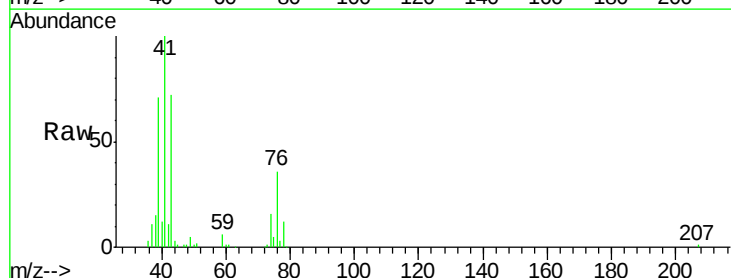
Manual Integrations
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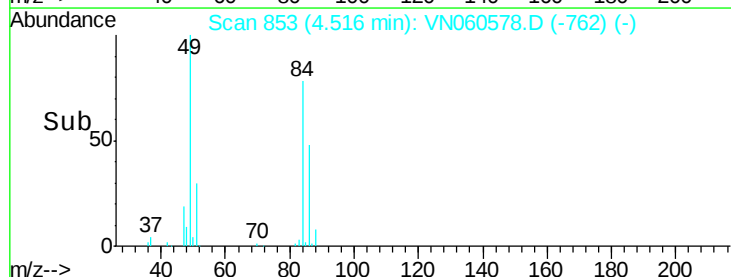
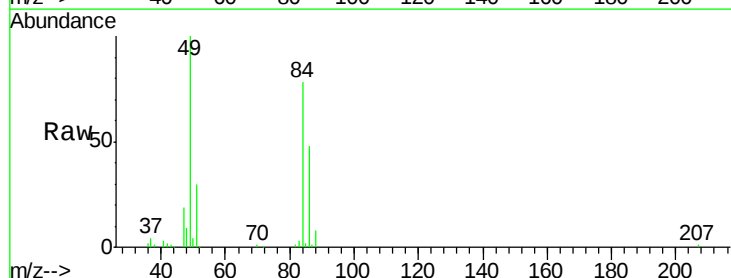
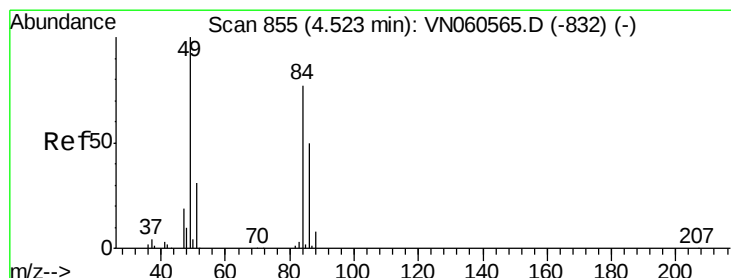
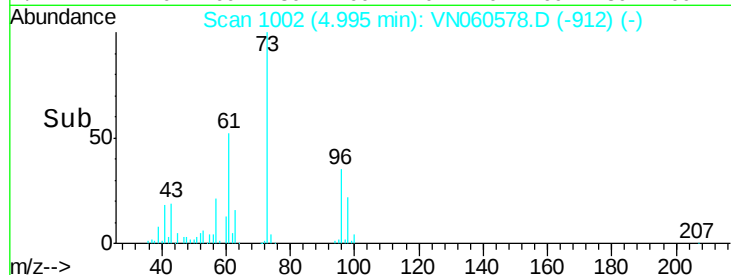
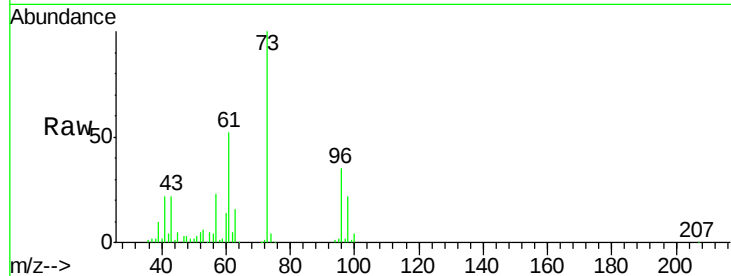
MMDadoda
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#18
Methyl Acetate
Concen: 46.033 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.01 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.5	26.3





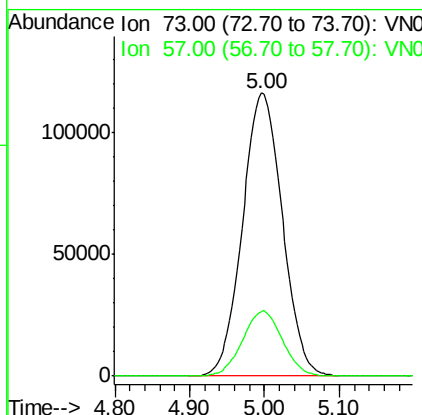
#19
Methvl tert-butvl Ether
Concen: 50.641 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. -0.01 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Tot Ion: 73 Resp: 431526
Ion Ratio Lower Upper
73 100
57 22.8 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

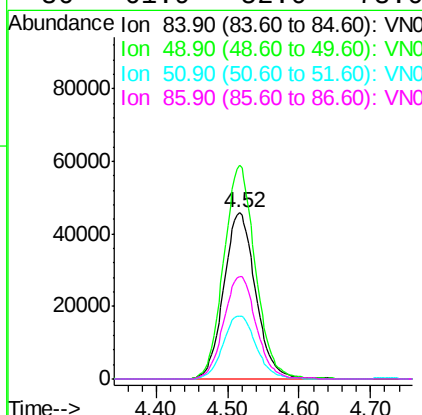
Manual Integrations
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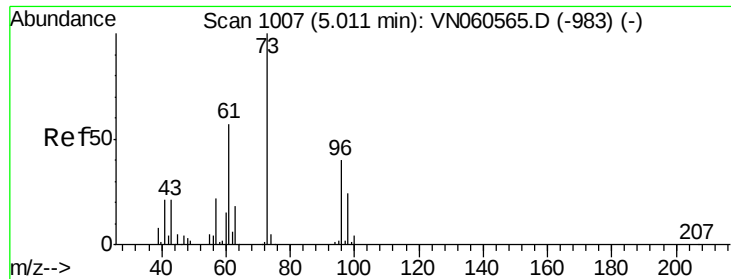
MMDadoda
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#20
Methylene Chloride
Concen: 52.157 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Tgt Ion: 84 Resp: 142822
Ion Ratio Lower Upper
84 100
49 128.4 103.3 154.9
51 38.0 31.6 47.4
86 61.9 52.0 78.0





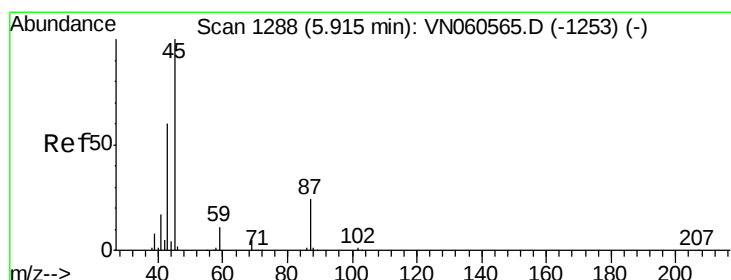
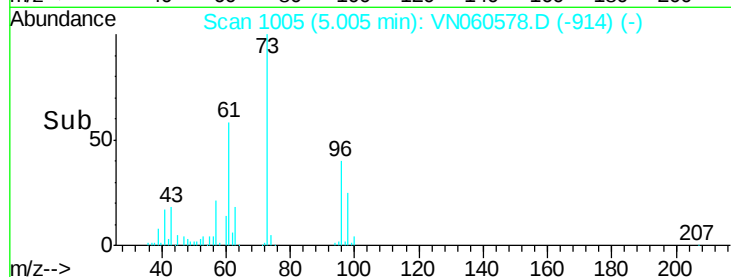
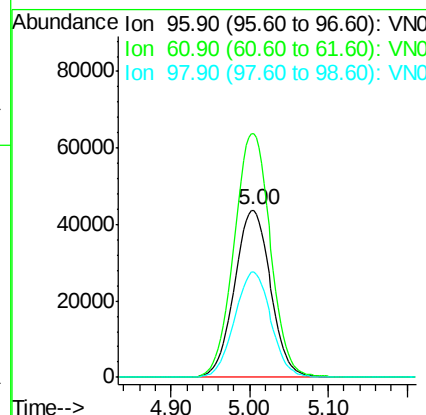
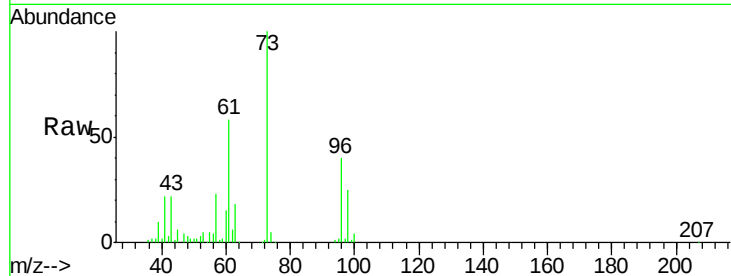
#21
trans-1,2-Dichloroethene
Concen: 53.184 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.4	114.4	171.6
98	63.2	48.4	72.6

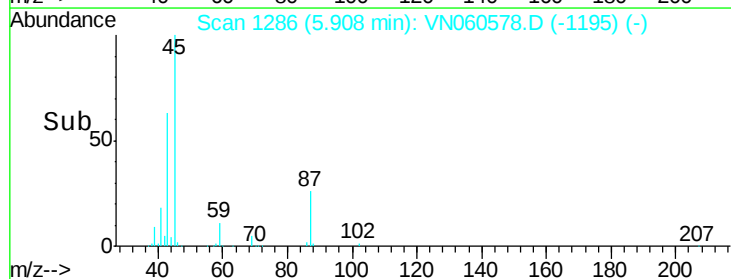
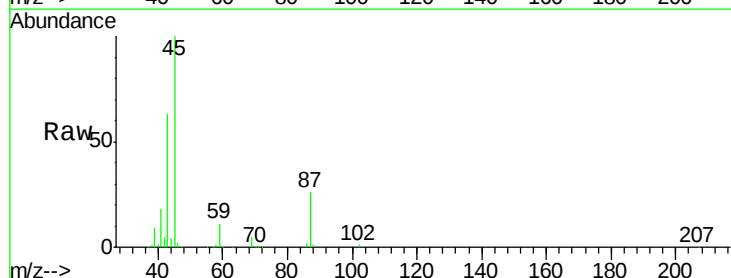
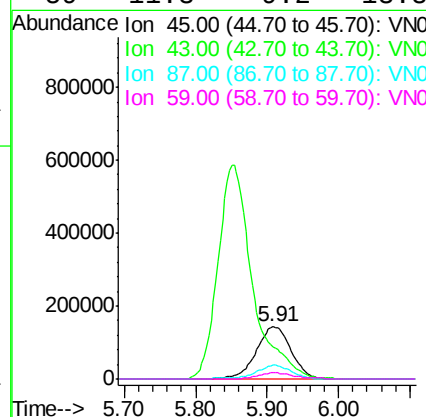
Manual Integrations
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#22
Diisopropyl ether
Concen: 52.972 ug/l
RT: 5.91 min Scan# 1286
Delta R.T. -0.01 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.6	49.8	74.8
87	26.3	20.1	30.1
59	11.3	9.2	13.8





#23

Vinyl Acetate

Concen: 262.754 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1974367

Ion Ratio Lower Upper

43 100

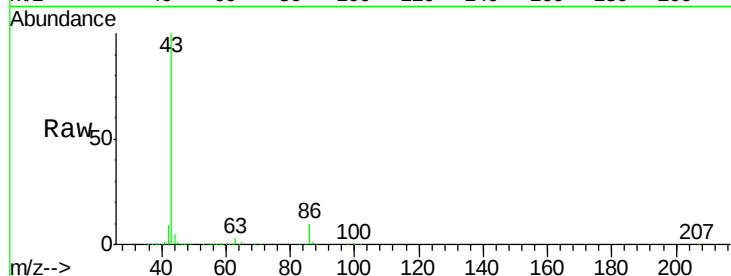
86 9.5 7.6 11.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN060578.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060578.D (-1178) (-)

5.85

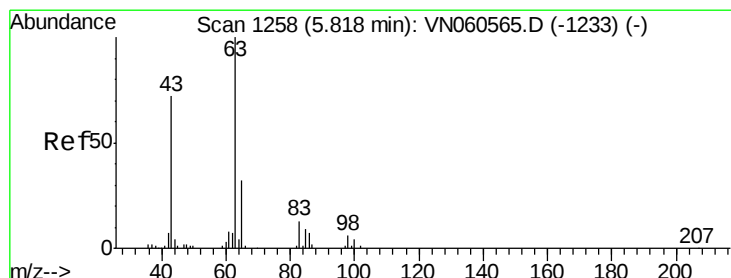
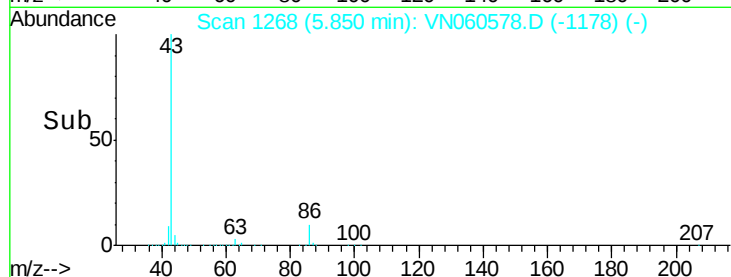
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.703 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

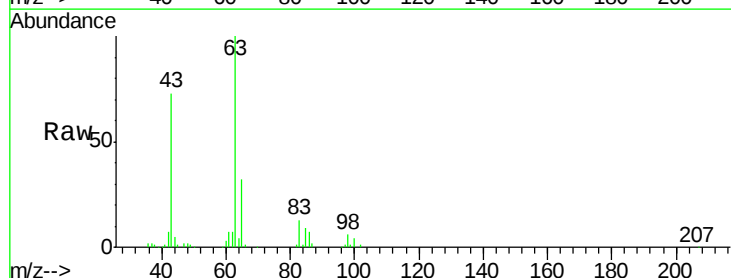
Tgt Ion: 63 Resp: 264597

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.7

100 4.0 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060578.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060578.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060578.D (-1165) (-)

5.81

100000

80000

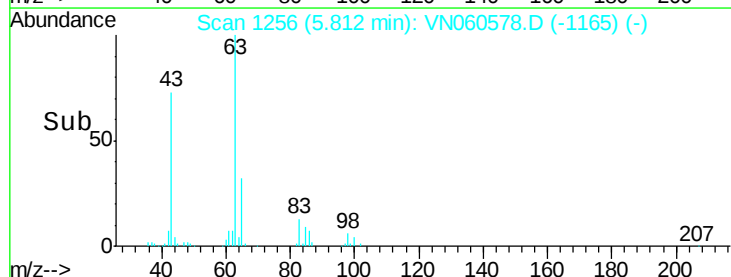
60000

40000

20000

0

Time-->





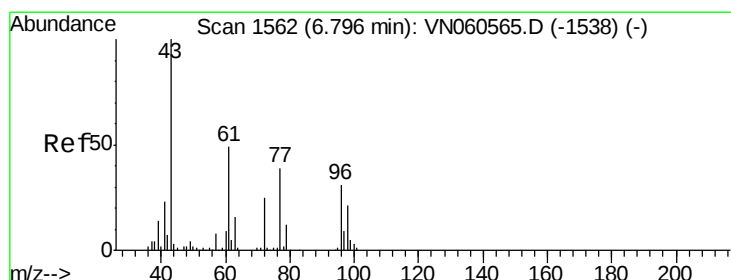
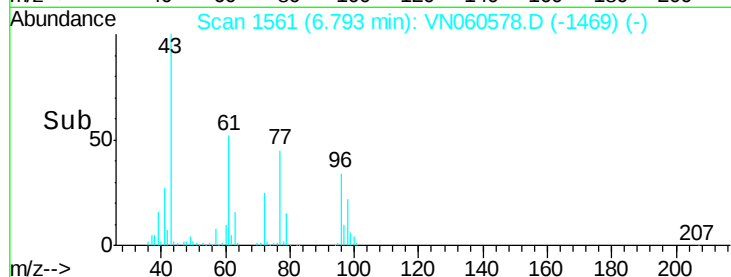
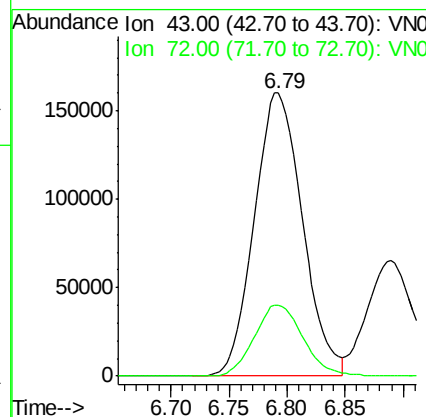
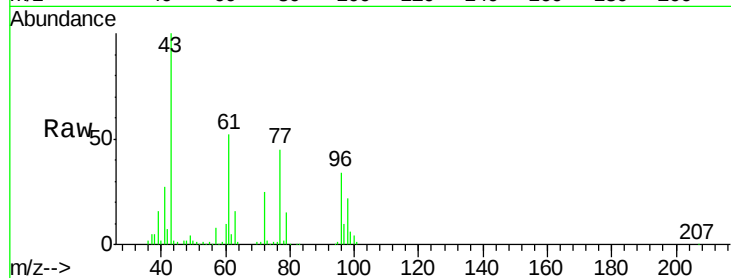
#25
2-Butanone
Concen: 256.307 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 461676
Ion Ratio Lower Upper
43 100
72 25.1 20.4 30.6

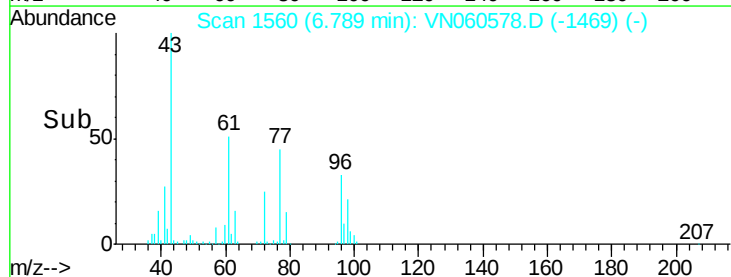
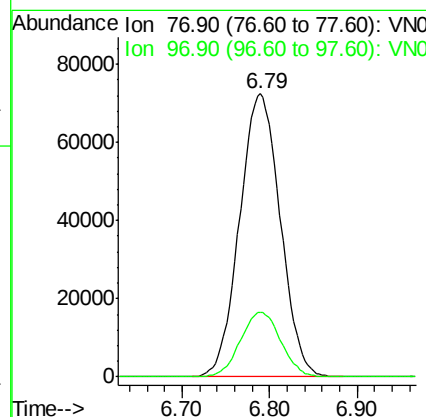
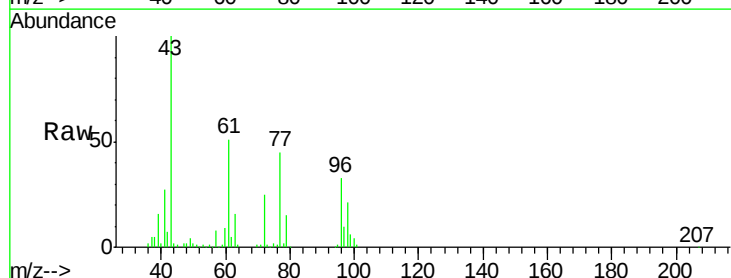
Manual Integrations
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3/19/2020 1:02:43 PM



#26
2,2-Dichloropropane
Concen: 59.082 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Tgt Ion: 77 Resp: 233377
Ion Ratio Lower Upper
77 100
97 22.7 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 52.557 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN060578.D

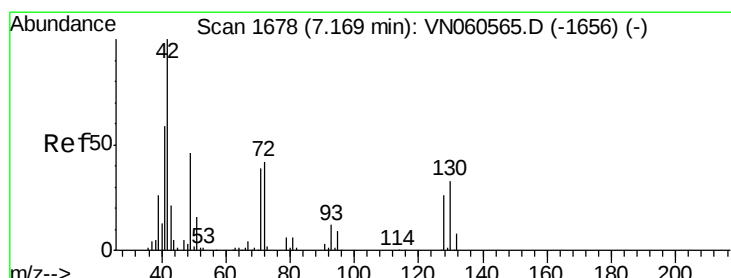
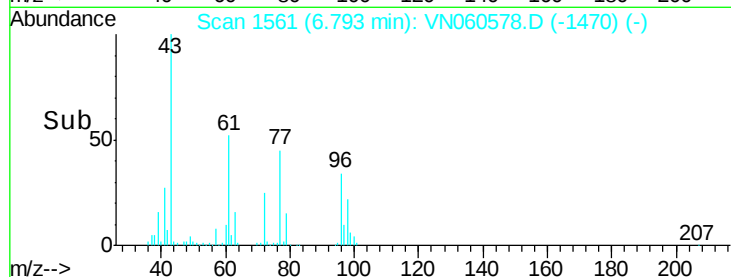
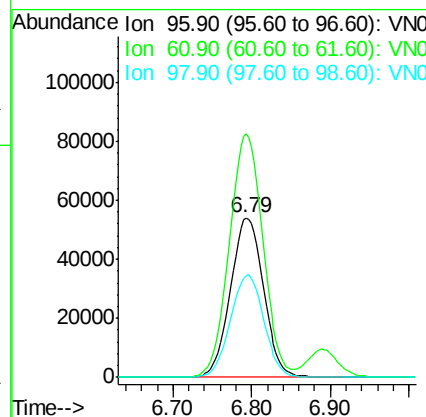
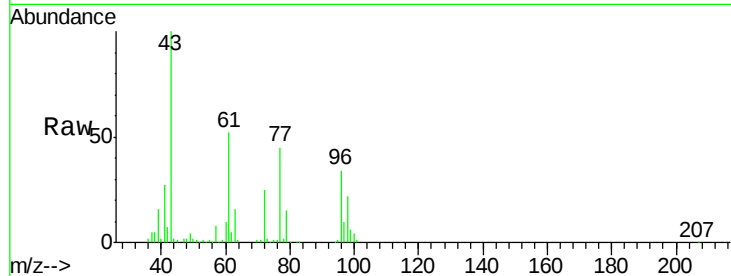
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	157762		
61	154.9	0.0	305.6	
98	64.8	0.0	127.6	

Manual Integrations
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#28

Bromochloromethane

Concen: 48.042 ug/l

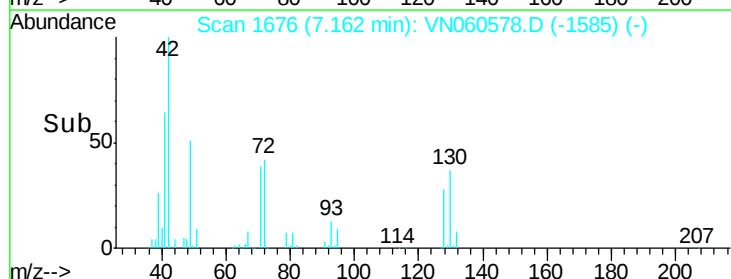
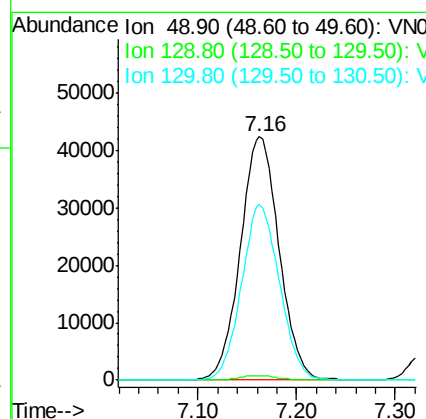
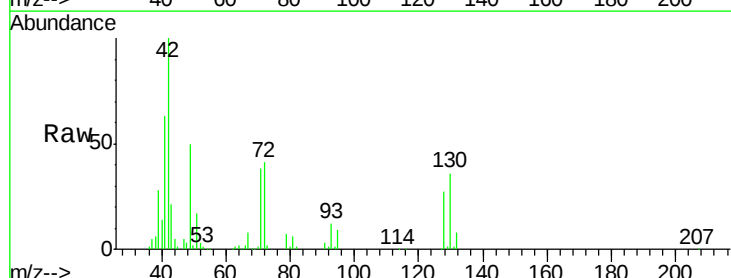
RT: 7.16 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	115397		
129	1.8	0.0	3.4	
130	70.6	55.0	82.4	





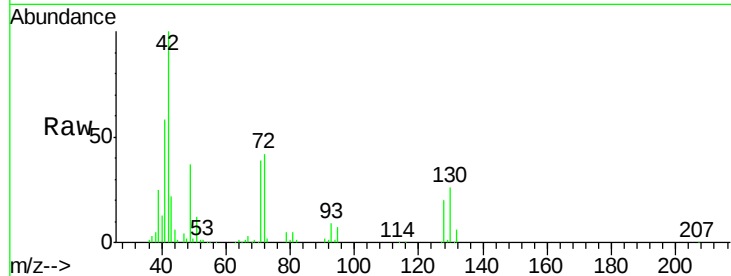
#29
Tetrahydrofuran
Concen: 224.759 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.2	49.8
71	39.5	31.1	46.7

Manual Integrations
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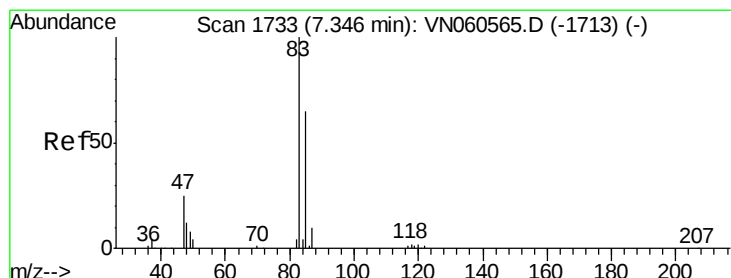
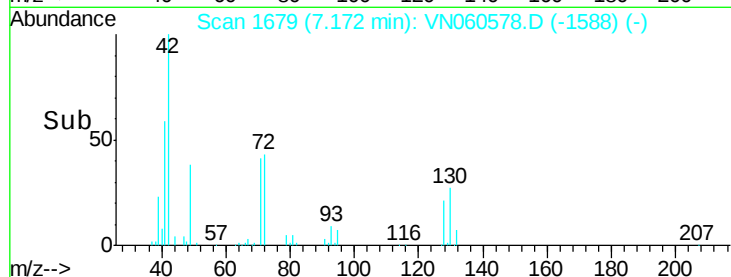
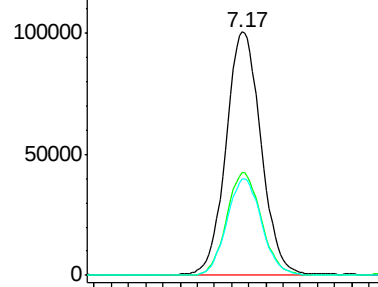
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Abundance Ion 42.00 (41.70 to 42.70): VN060565.D (-1653) (-)

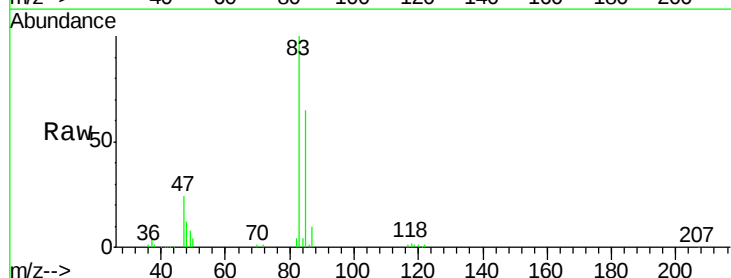
Ion 72.00 (71.70 to 72.70): VN060565.D (-1653) (-)

Ion 71.00 (70.70 to 71.70): VN060565.D (-1653) (-)



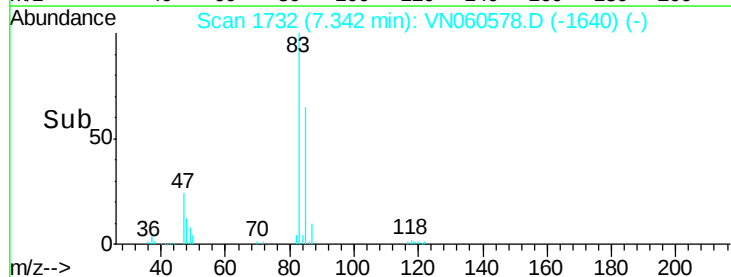
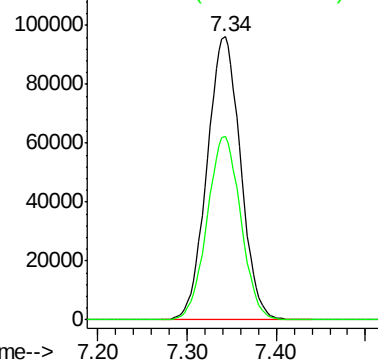
#30
Chloroform
Concen: 52.185 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

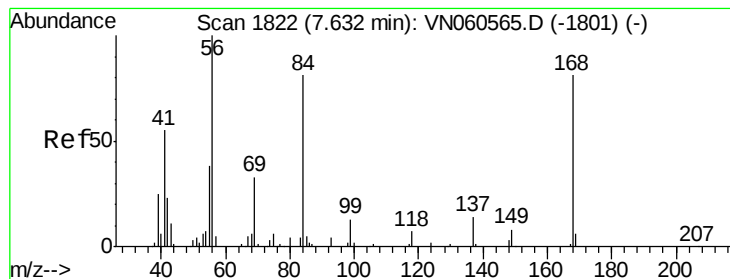
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8



Abundance Ion 82.90 (82.60 to 83.60): VN060565.D (-1713) (-)

Ion 84.90 (84.60 to 85.60): VN060565.D (-1713) (-)





#31

Cyclohexane

Concen: 50.837 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Instrument :

MSVOA_N

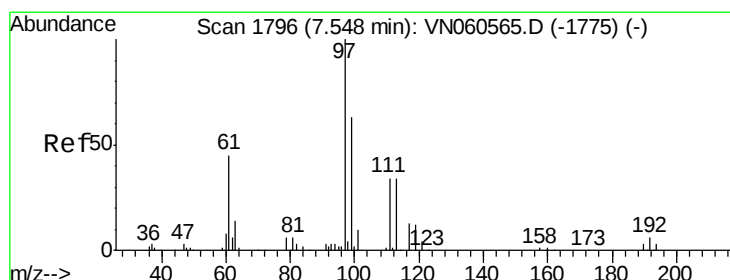
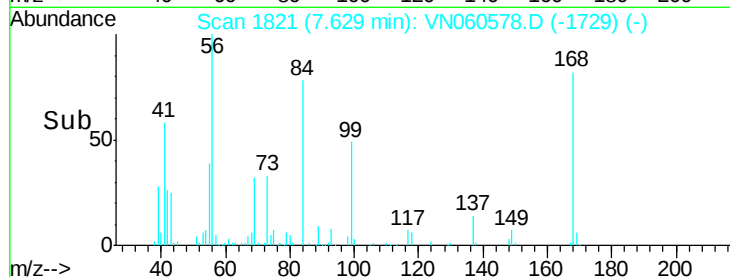
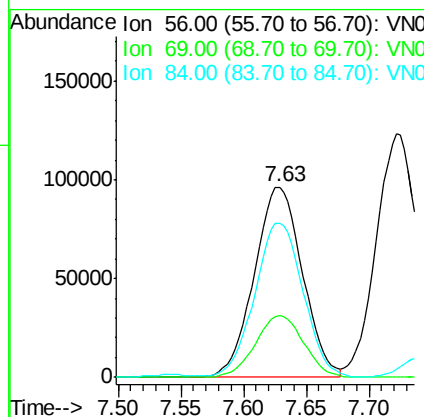
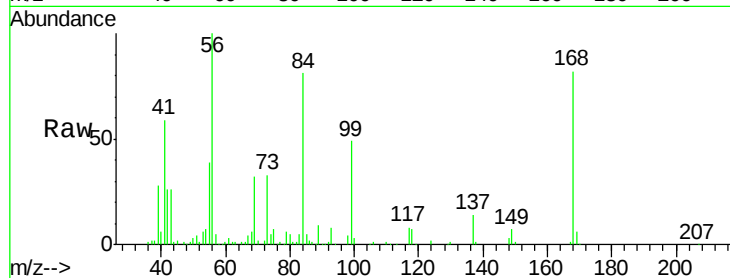
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	257305
Ion Ratio	Lower	Upper	
56	100		
69	32.4	26.6	40.0
84	80.3	64.3	96.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.248 ug/l

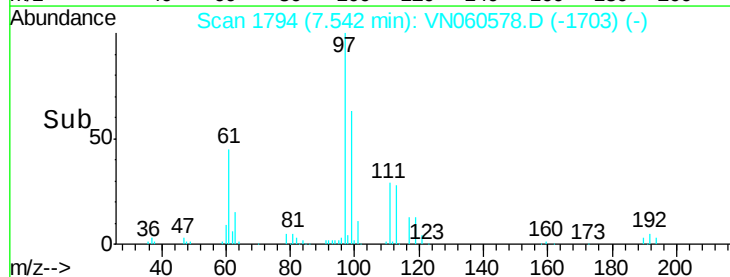
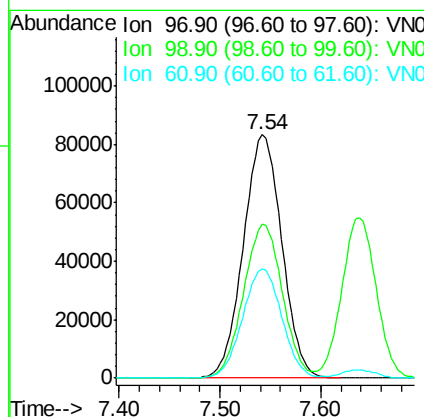
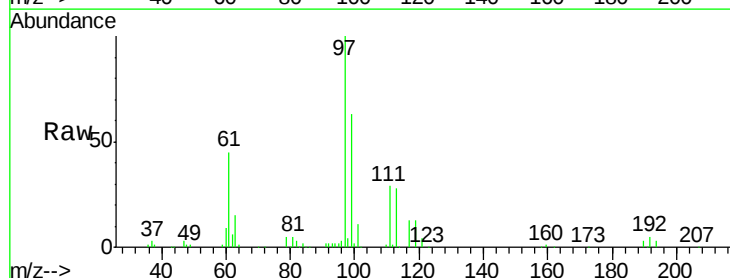
RT: 7.54 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Tgt Ion:	97	Resp:	220932
Ion Ratio	Lower	Upper	
97	100		
99	63.8	50.6	75.8
61	45.7	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 48.349 ug/l

RT: 8.00 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 151938

Ion Ratio Lower Upper

65 100

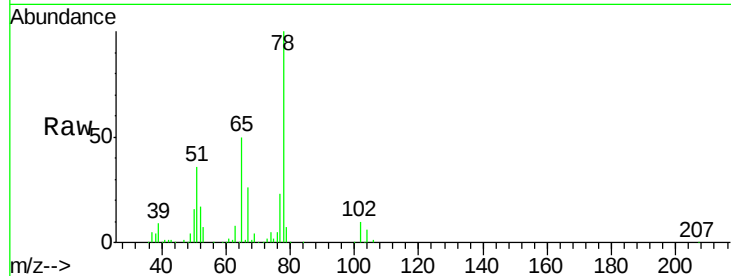
67 53.2 0.0 107.6

Manual Integrations

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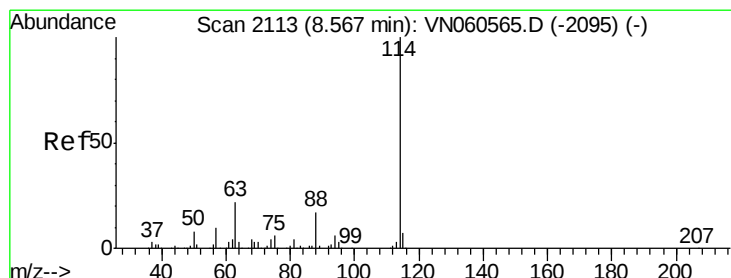
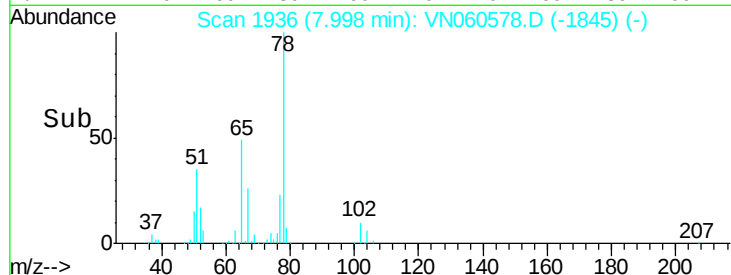
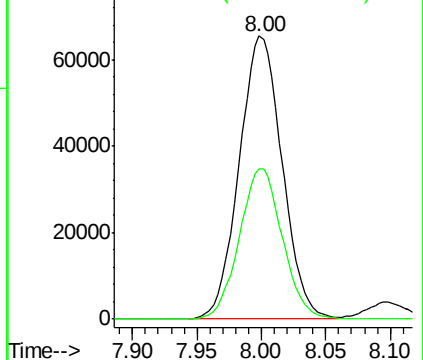
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

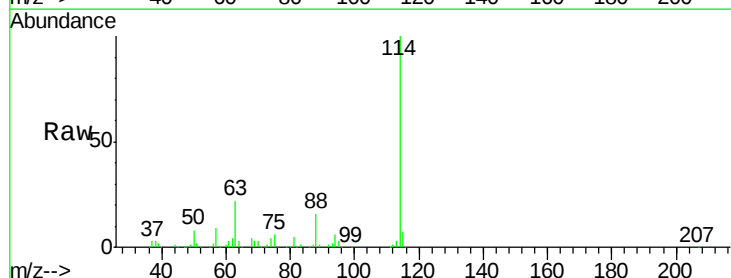
Tgt Ion: 114 Resp: 374342

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.8

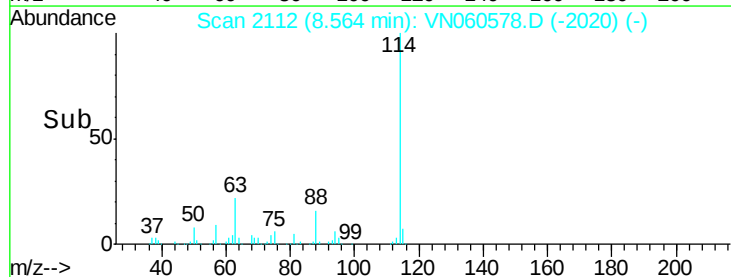
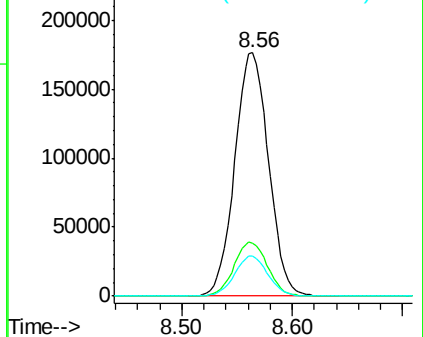
88 16.4 0.0 33.0

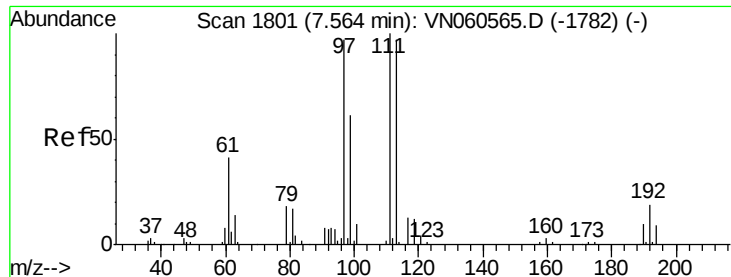


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 50.778 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Instrument :

MSVOA_N

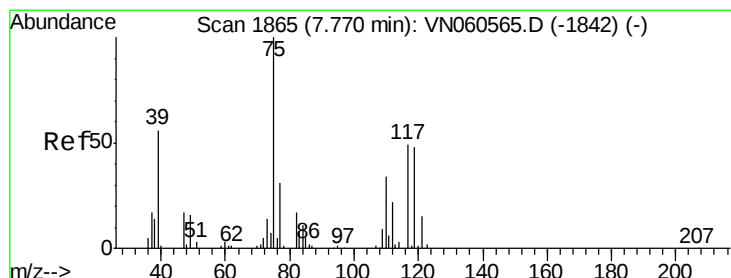
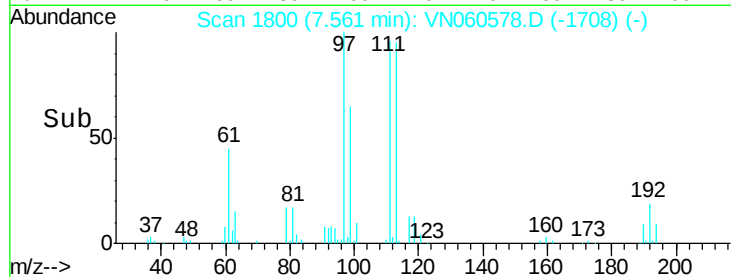
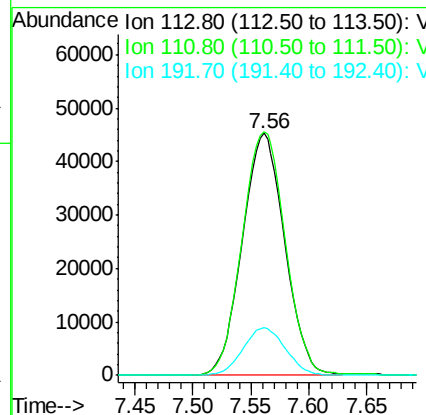
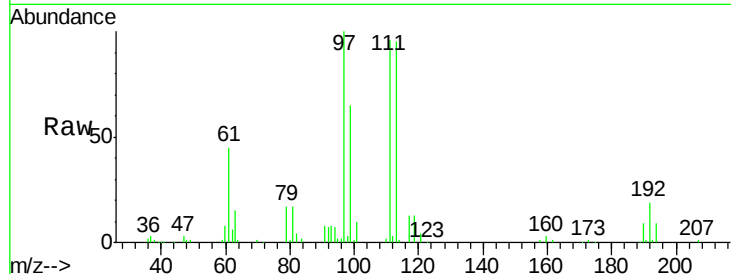
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	114937		
111	102.7	82.9	124.3	
192	19.7	15.8	23.8	

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 56.232 ug/l

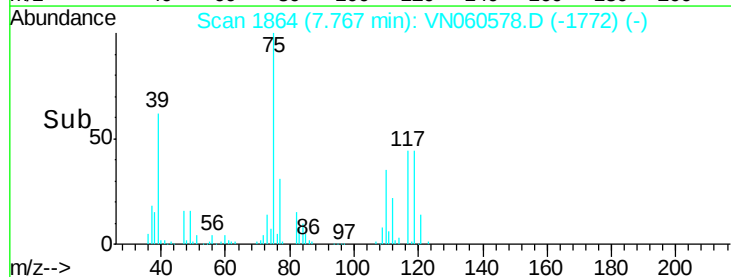
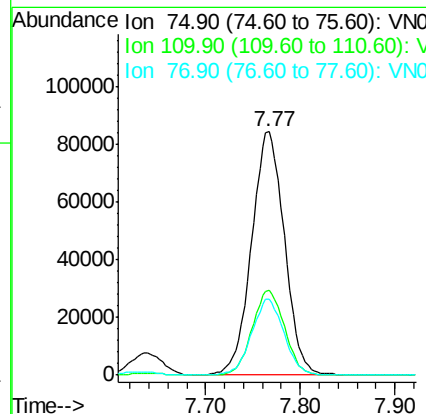
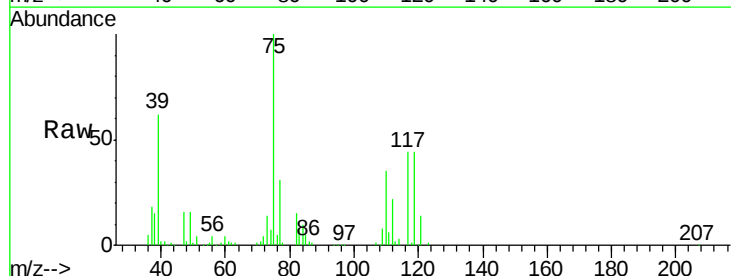
RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	203828		
110	34.1	16.9	50.6	
77	30.8	24.6	36.8	





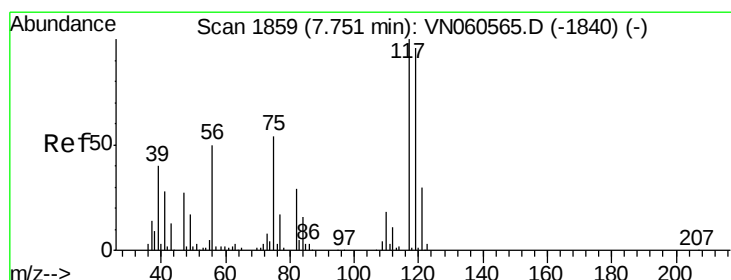
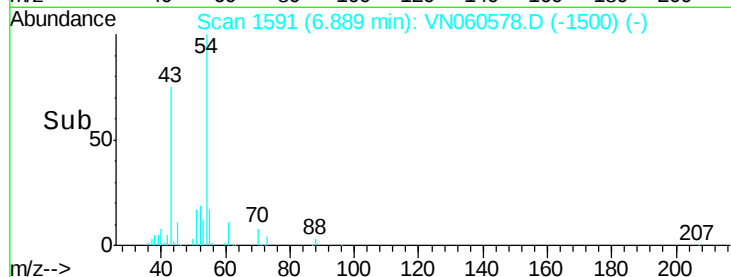
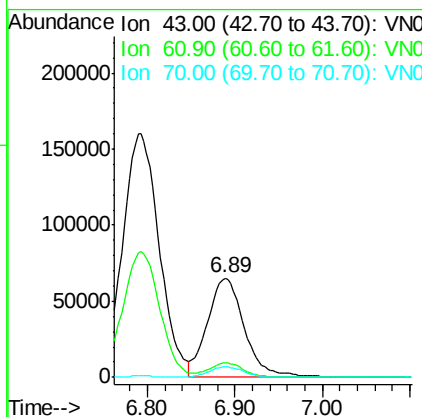
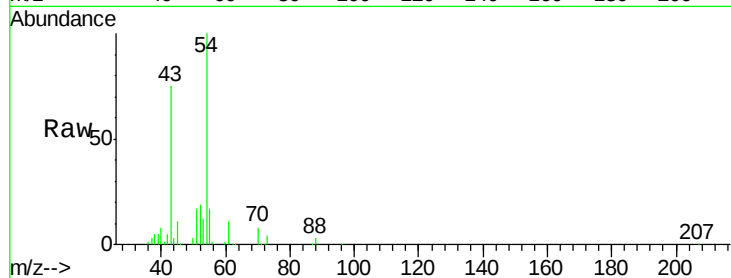
#37
Ethyl Acetate
Concen: 48.012 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.6	15.8
70	10.1	7.9	11.9

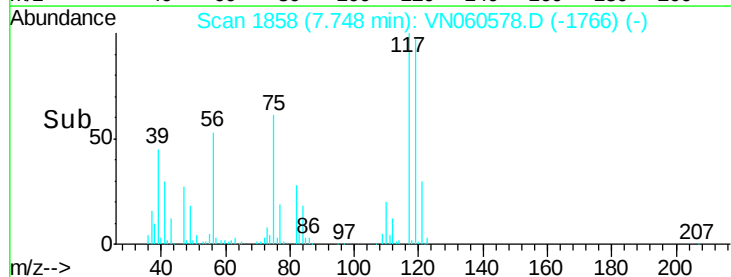
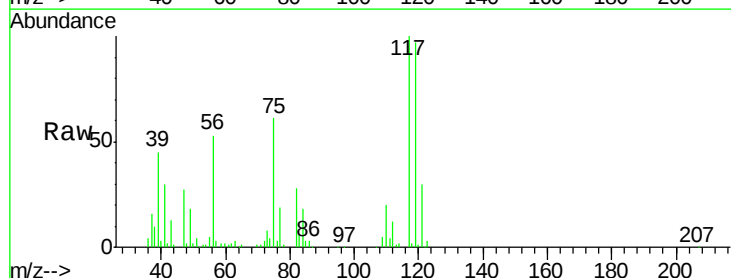
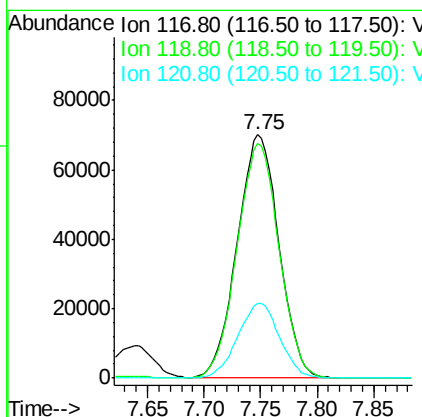
Manual Integrations
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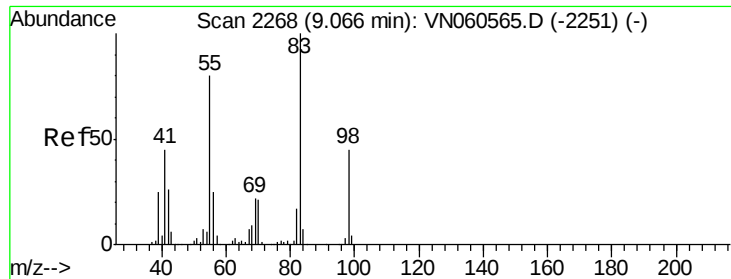
MMDadoda
3/19/2020 1:02:43 PM



#38
Carbon Tetrachloride
Concen: 55.457 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.2	114.2
121	30.5	23.7	35.5





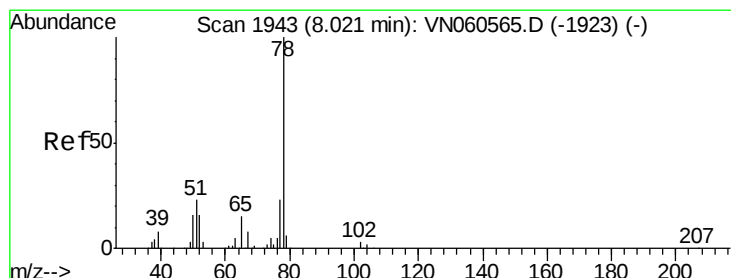
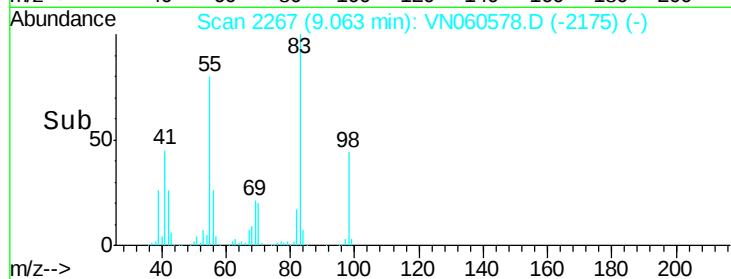
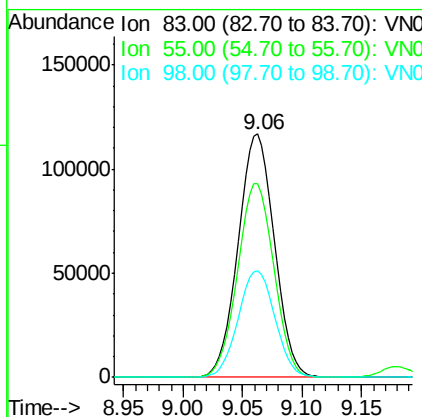
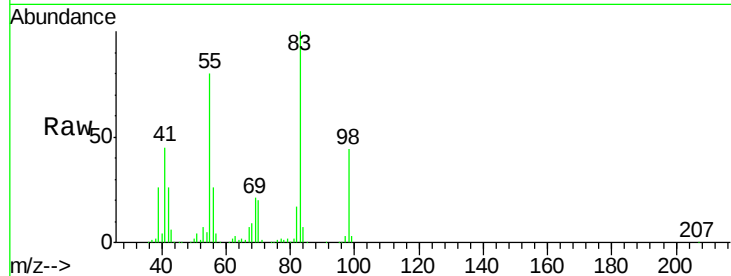
#39
Methvlcvclohexane
Concen: 57.316 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	246895		
55	79.5		63.6	95.4
98	43.6		36.0	54.0

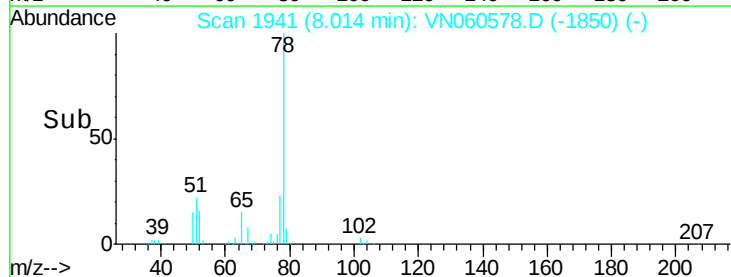
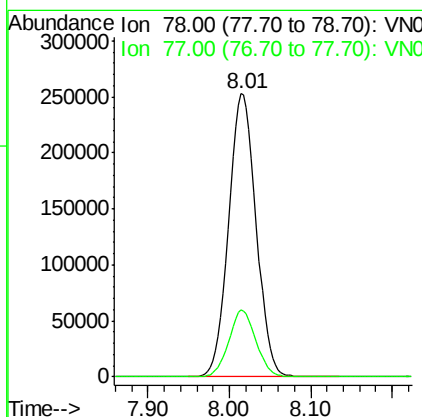
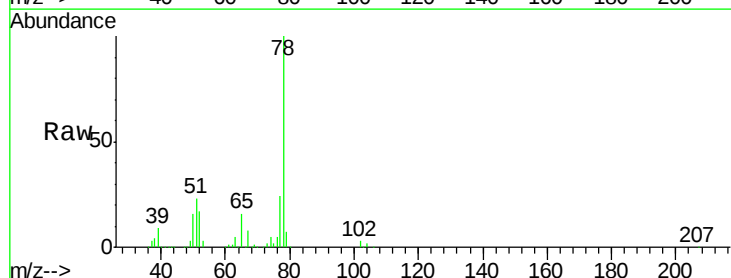
Manual Integrations
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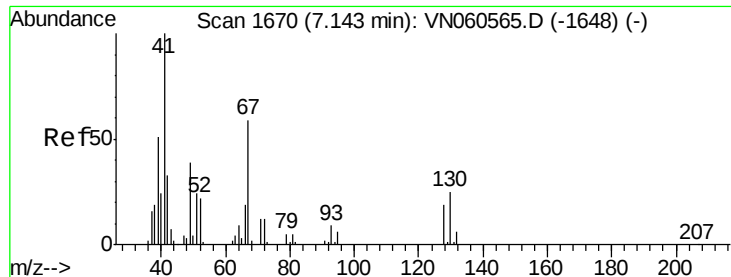
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#40
Benzene
Concen: 54.540 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.01 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	596794		
77	23.6		18.6	28.0





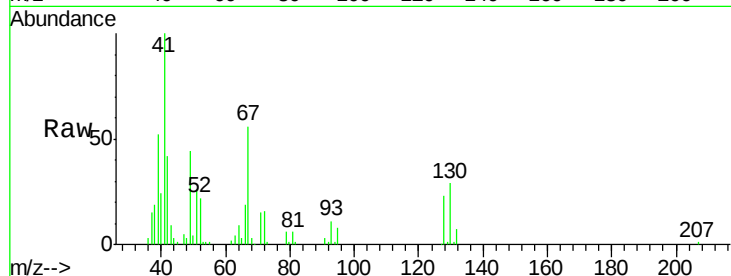
#41
Methacrylonitrile
Concen: 47.552 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

Manual Integrations
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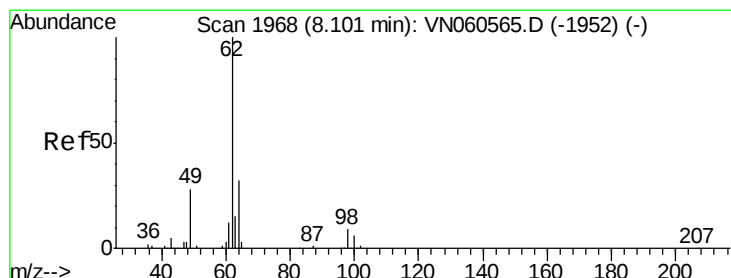
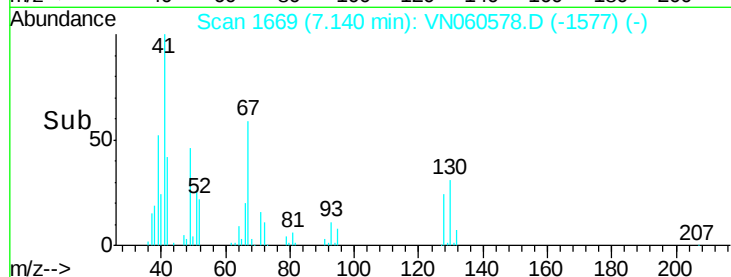
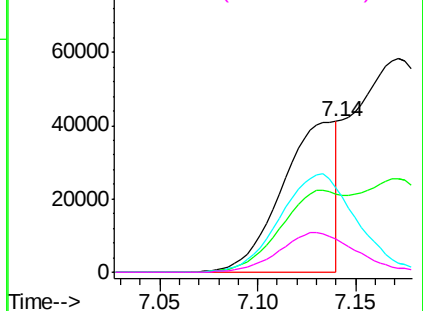


Abundance Ion 41.00 (40.70 to 41.70): VN060565.D (-1648) (-)

Ion 39.00 (38.70 to 39.70): VN060565.D (-1648) (-)

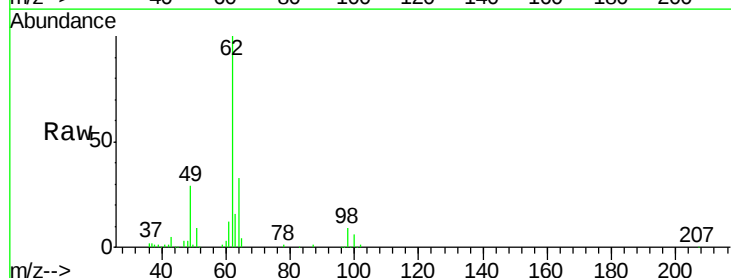
Ion 67.00 (66.70 to 67.70): VN060565.D (-1648) (-)

Ion 52.00 (51.70 to 52.70): VN060565.D (-1648) (-)



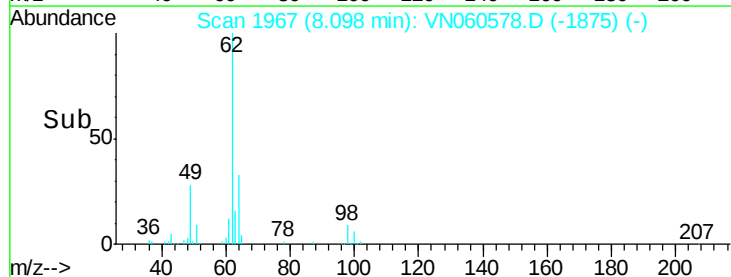
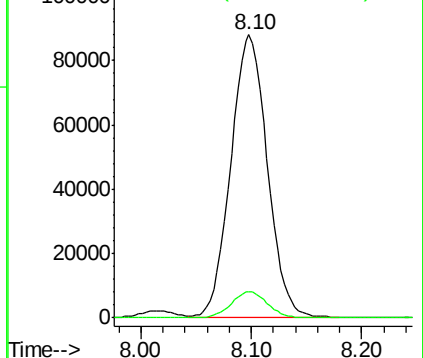
#42
1,2-Dichloroethane
Concen: 53.866 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

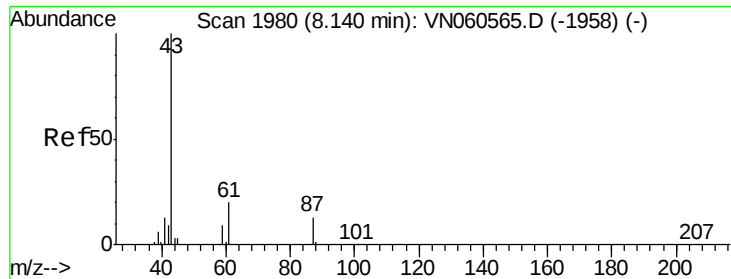
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN060565.D (-1952) (-)

Ion 97.90 (97.60 to 98.60): VN060565.D (-1952) (-)





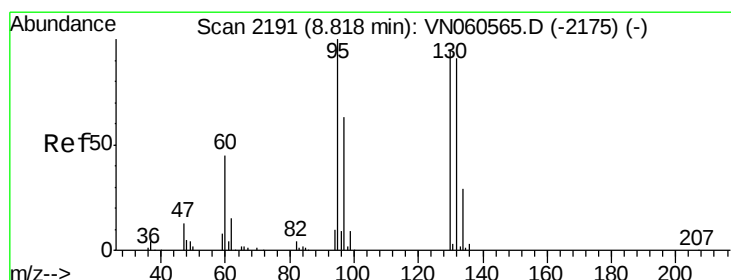
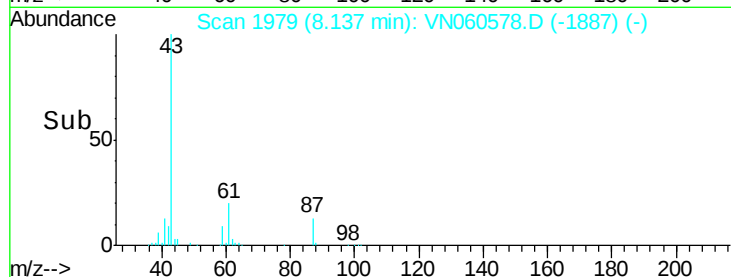
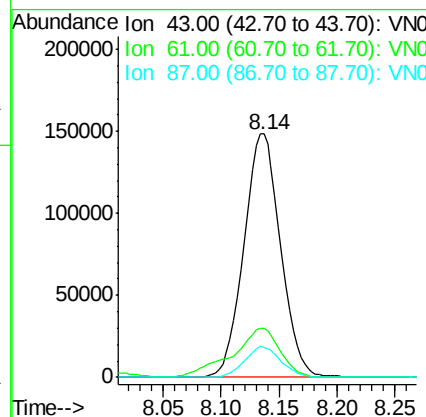
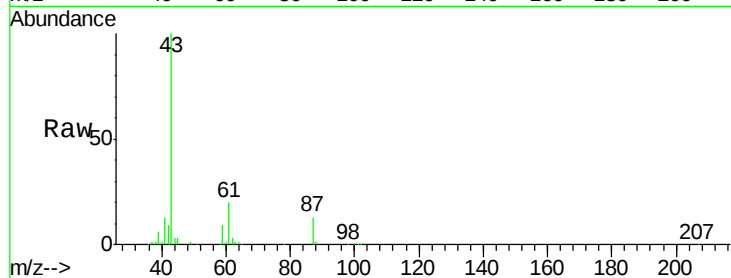
#43
Isopropyl Acetate
Concen: 50.491 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.5	20.7	31.1
87	12.5	9.8	14.8

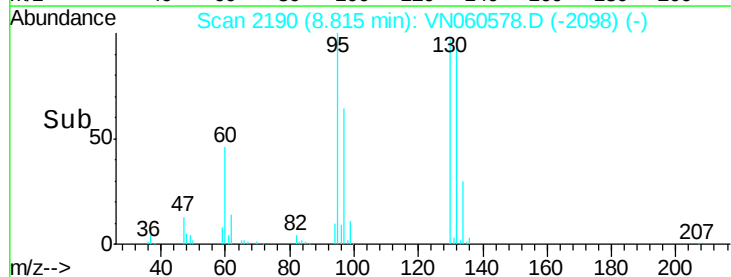
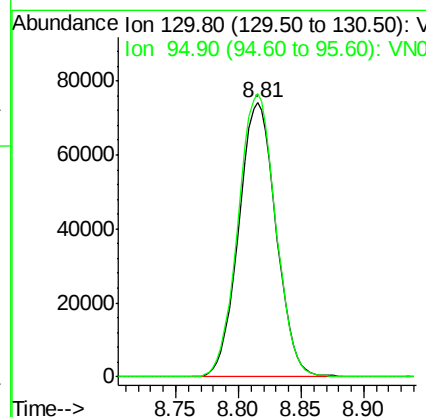
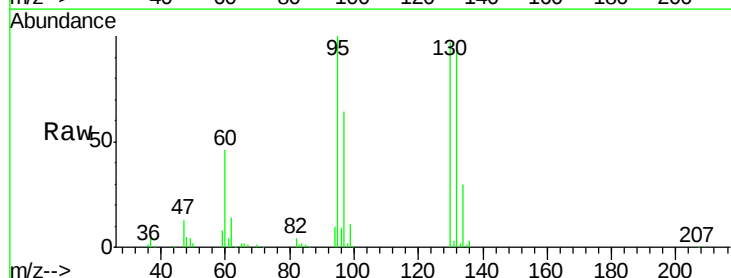
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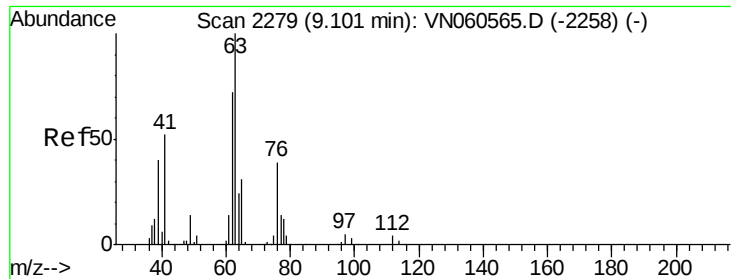
MMDadoda
3/19/2020 1:02:43 PM



#44
Trichloroethene
Concen: 55.587 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	211.2





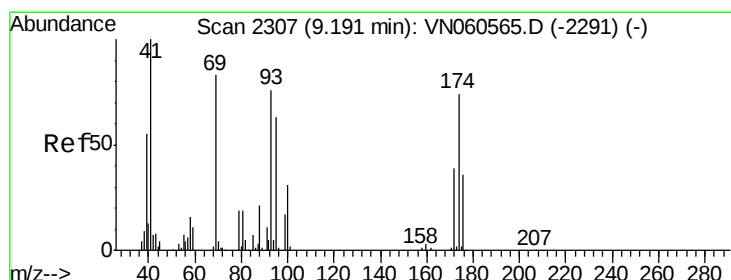
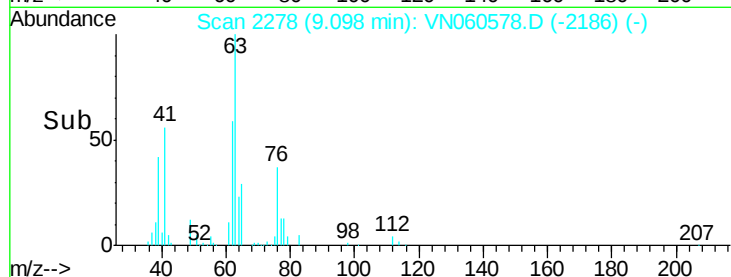
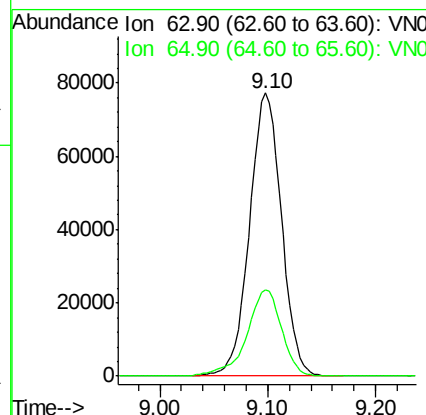
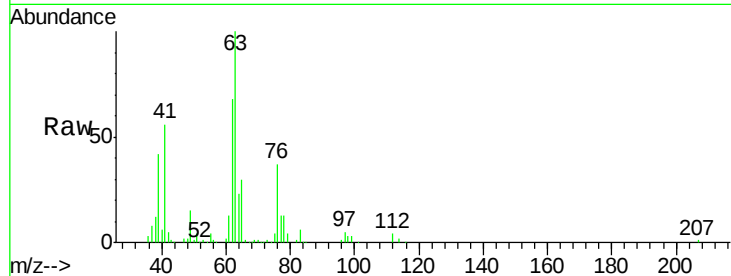
#45
 1,2-Dichloropropane
 Concen: 55.041 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060578.D
 Acq: 18 Mar 2020 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.4	38.0

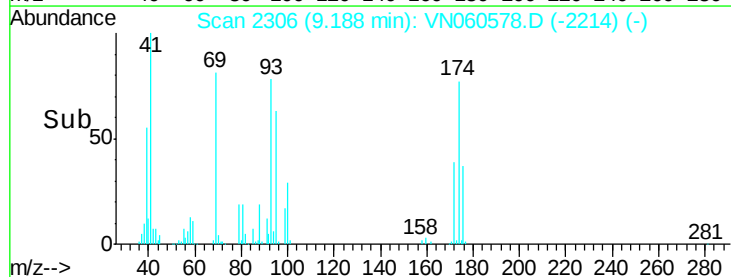
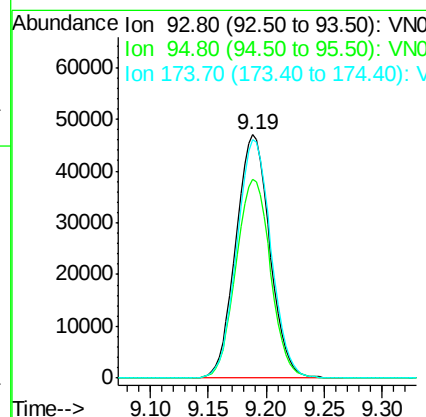
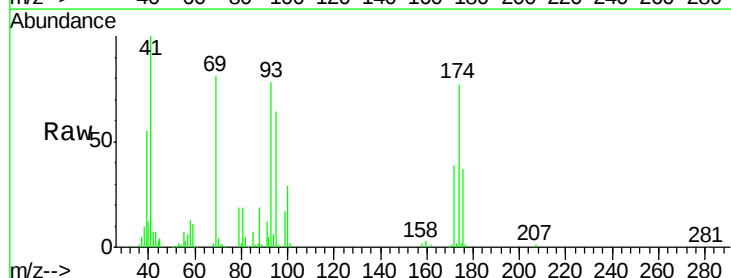
Manual Integrations
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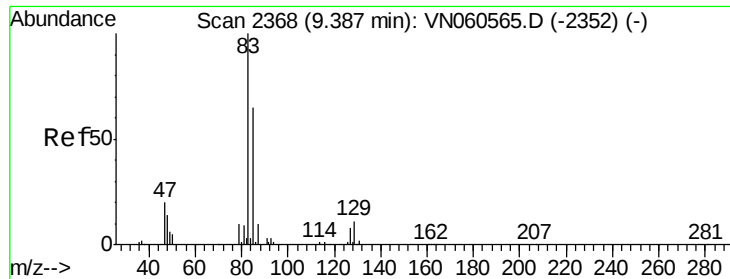
MMDadoda
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#46
 Dibromomethane
 Concen: 54.684 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060578.D
 Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.2	99.4
174	98.4	77.9	116.9





#47

Bromodichloromethane

Concen: 55.513 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Instrument :

MSVOA_N

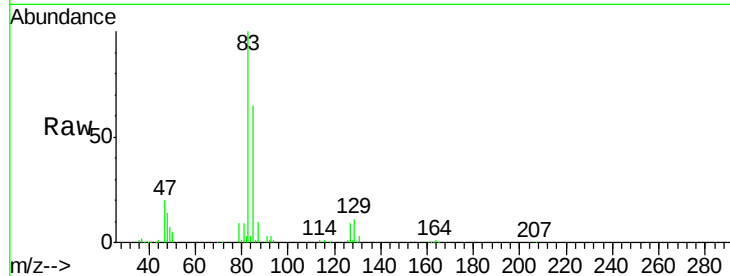
ClientSampleId :

VSTDCCC050

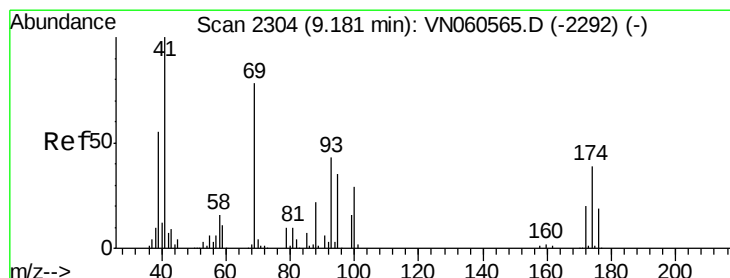
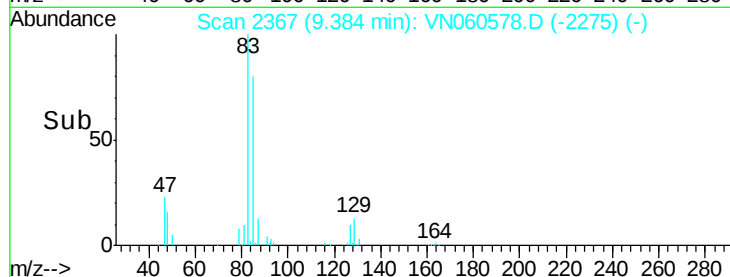
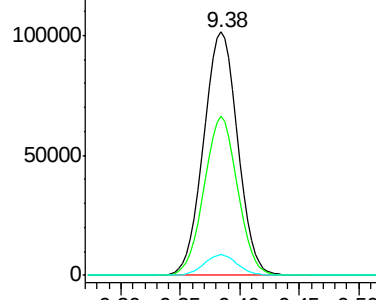
Tot Ion:	83	Resp:	201361
Ion Ratio	Lower	Upper	
83	100		
85	65.4	51.8	77.6
127	8.5	6.5	9.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.874 ug/l

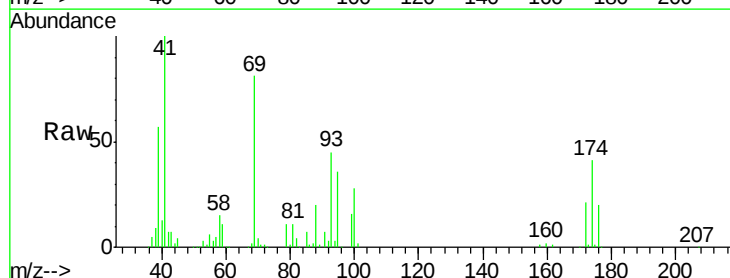
RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

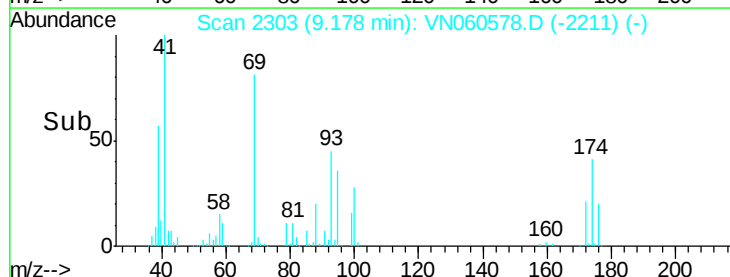
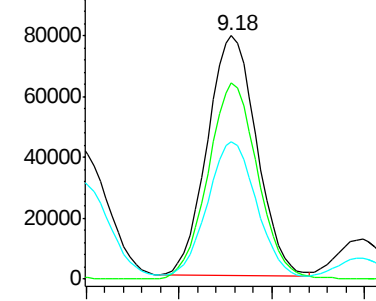
Lab File: VN060578.D

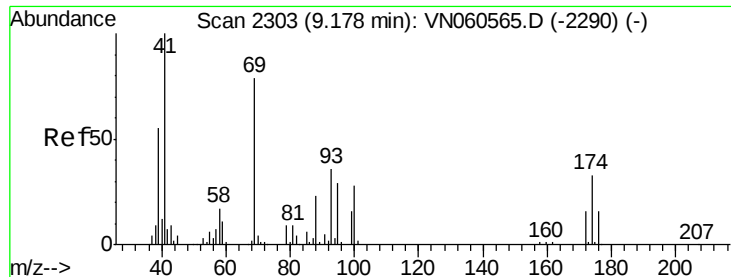
Acq: 18 Mar 2020 9:22

Tgt Ion:	41	Resp:	146308
Ion Ratio	Lower	Upper	
41	100		
69	82.4	65.4	98.0
39	55.0	44.0	66.0



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





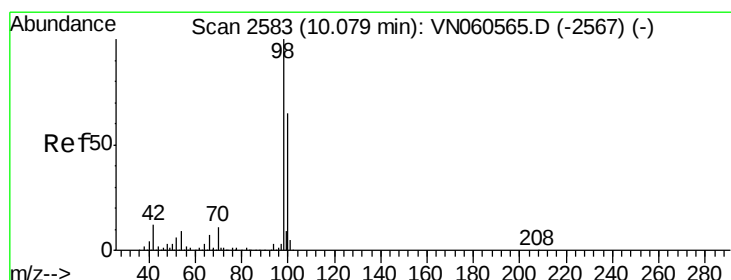
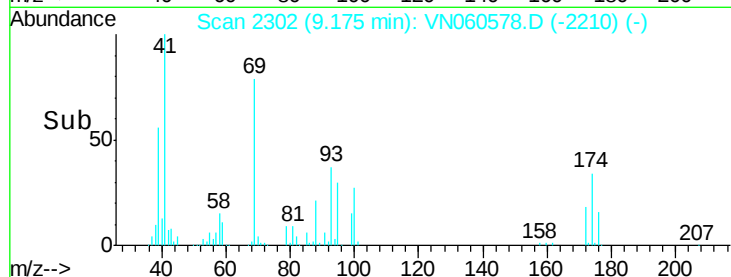
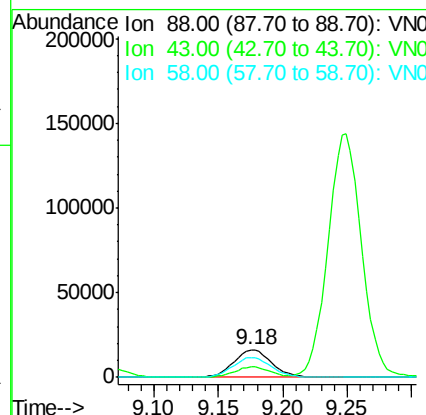
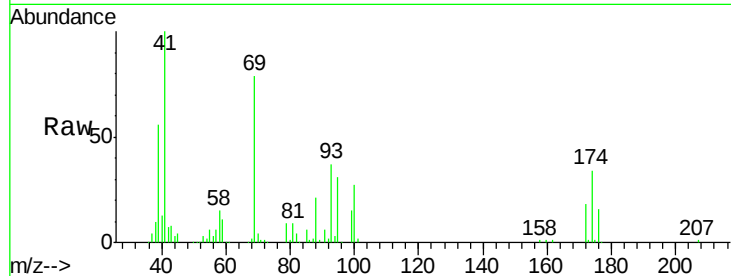
#49
1,4-Dioxane
Concen: 983.143 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	36.8		30.8	46.2
58	72.3		59.8	89.8

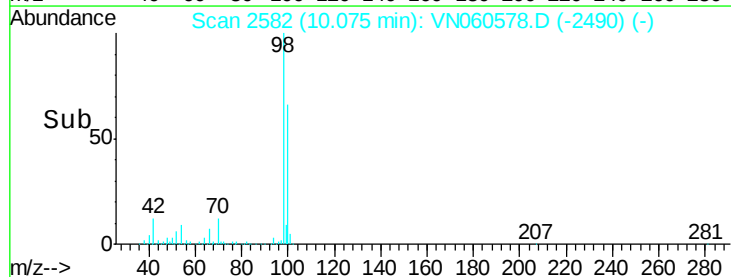
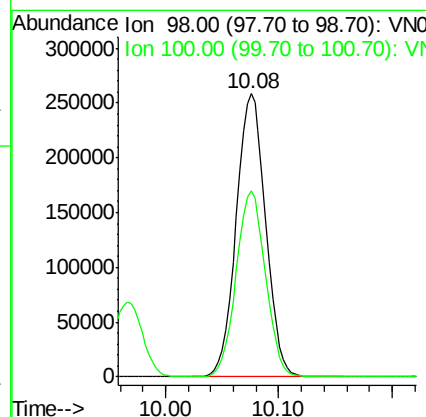
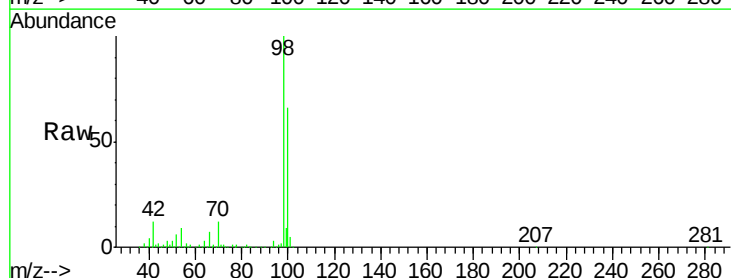
Manual Integrations
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#50
Toluene-d8
Concen: 50.500 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.6		51.8	77.8





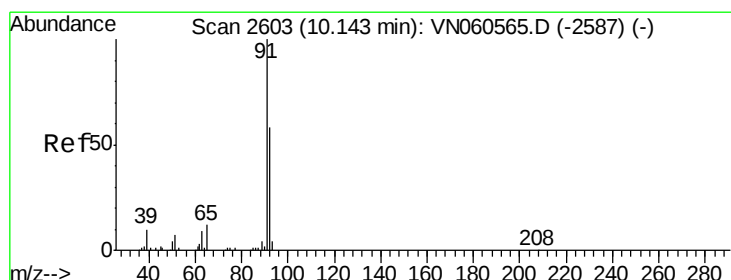
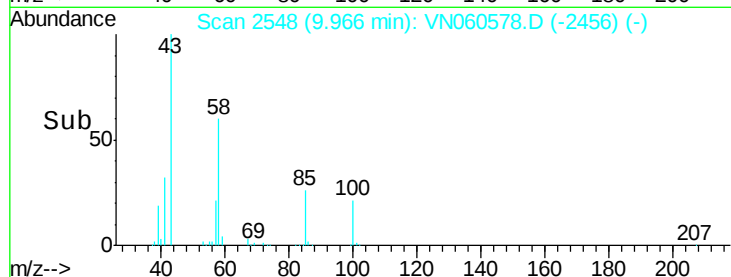
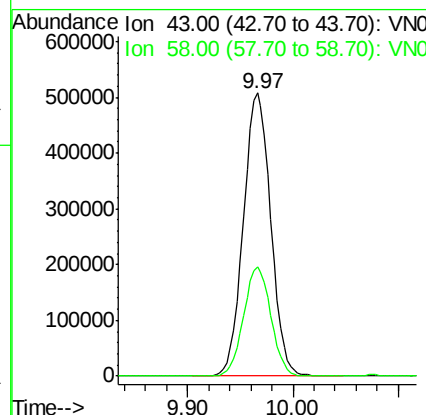
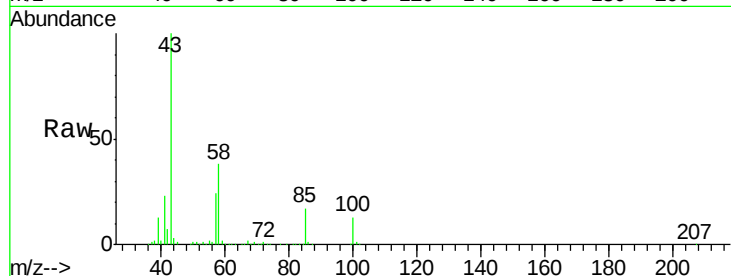
#51
4-Methyl-2-Pentanone
Concen: 248.016 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.8	46.2

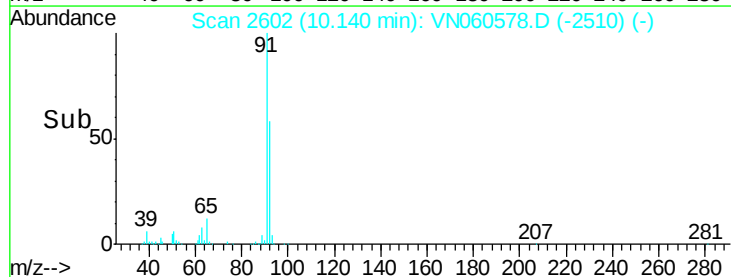
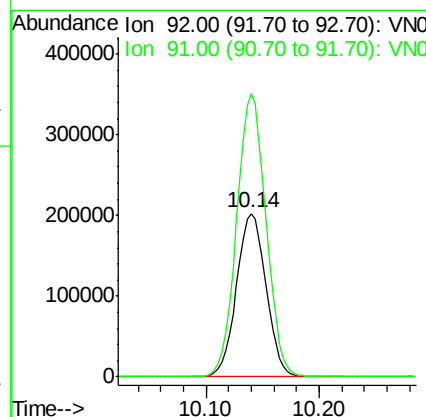
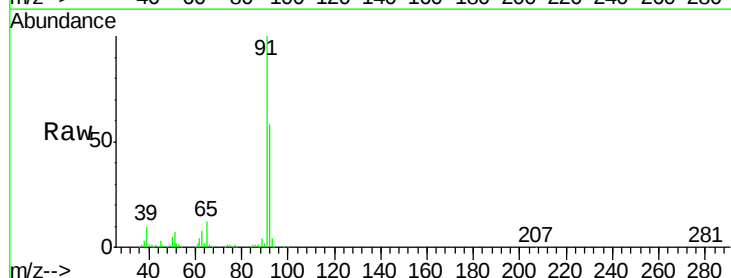
Manual Integrations
APPROVED

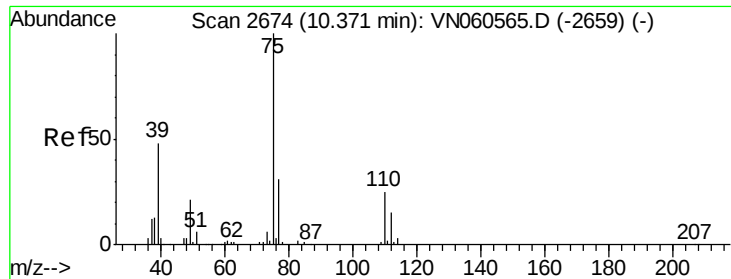
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#52
Toluene
Concen: 55.629 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.0	137.6	206.4





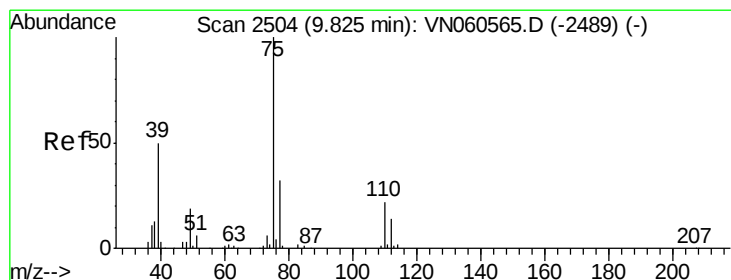
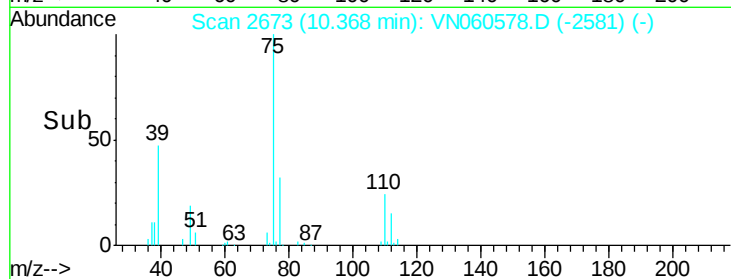
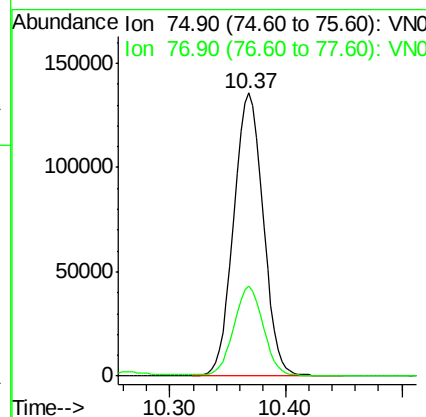
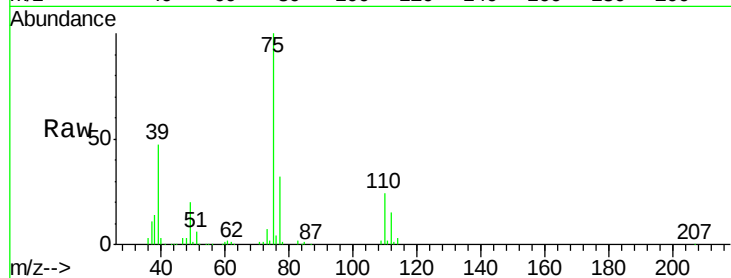
#53
t-1,3-Dichloropropene
Concen: 57.212 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 238381
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7

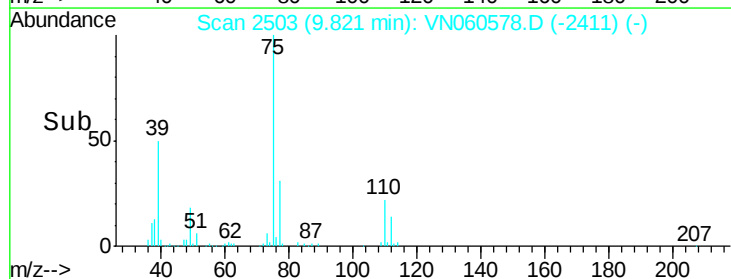
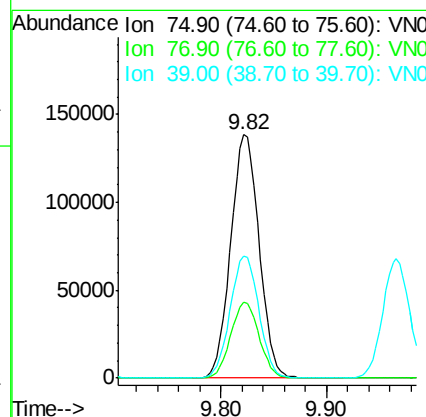
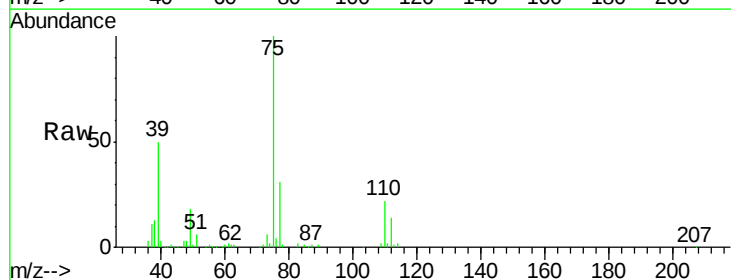
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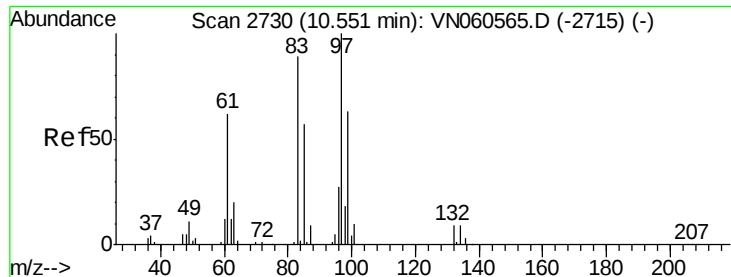
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 56.407 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. -0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Tgt Ion: 75 Resp: 257835
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.0
39 50.2 40.2 60.4





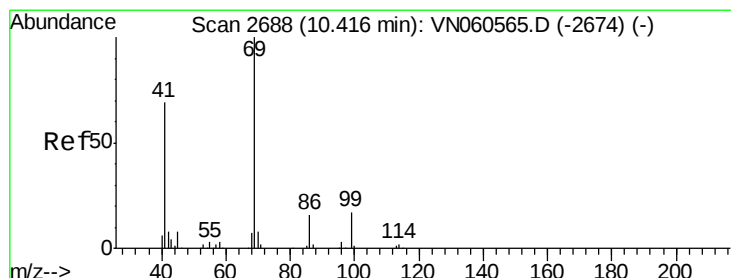
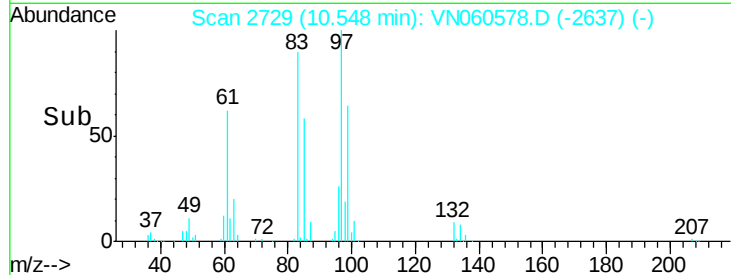
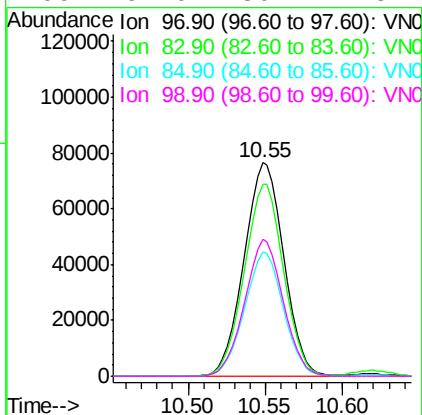
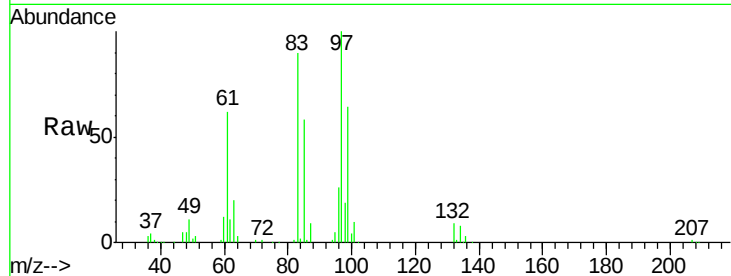
#55
 1,1,2-Trichloroethane
 Concen: 53.949 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060578.D
 Acq: 18 Mar 2020 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		137158		
83	90.2	71.3	106.9		
85	58.0	45.2	67.8		
99	64.0	50.1	75.1		

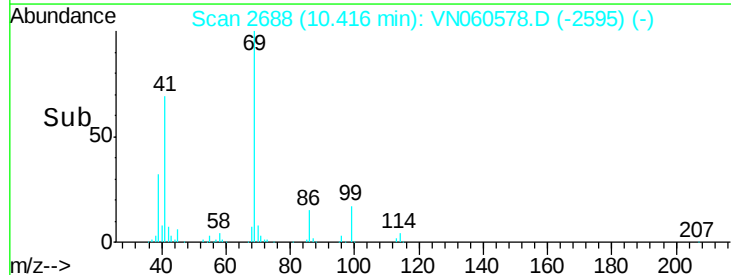
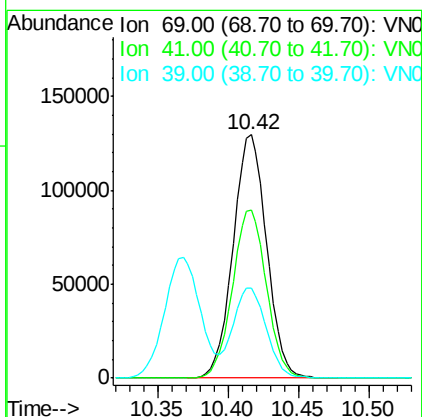
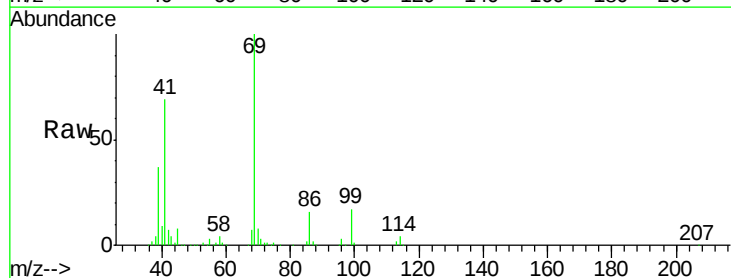
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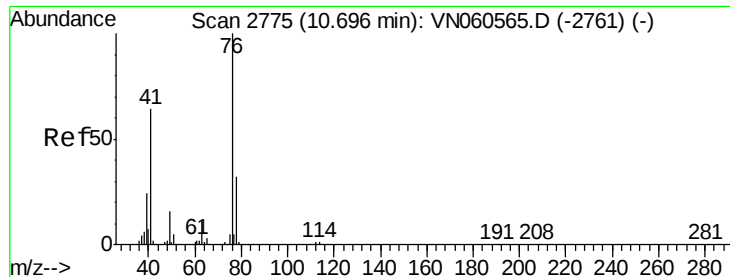
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#56
 Ethyl methacrylate
 Concen: 54.575 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060578.D
 Acq: 18 Mar 2020 9:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		216342		
41	69.7	55.4	83.2		
39	36.6	29.4	44.0		





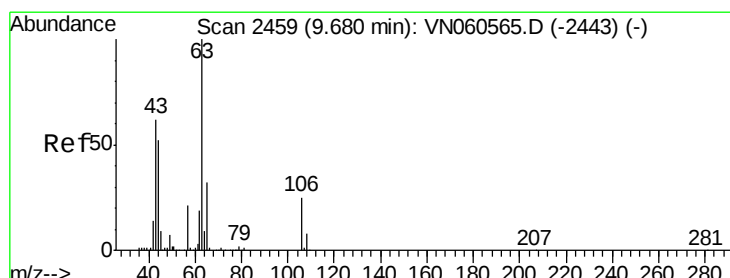
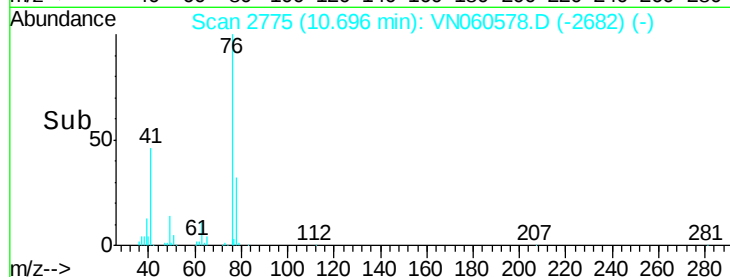
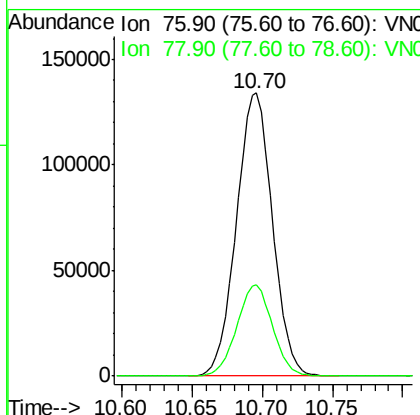
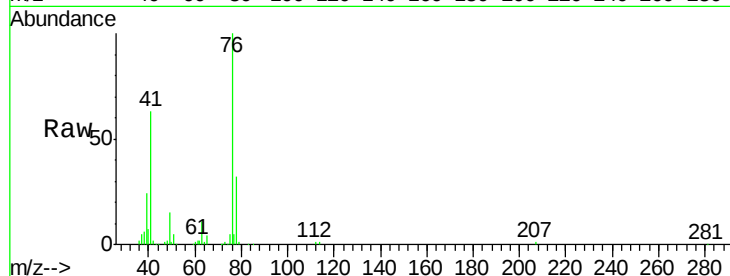
#57
 1,3-Dichloropropane
 Concen: 54.370 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060578.D
 Acq: 18 Mar 2020 9:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.6

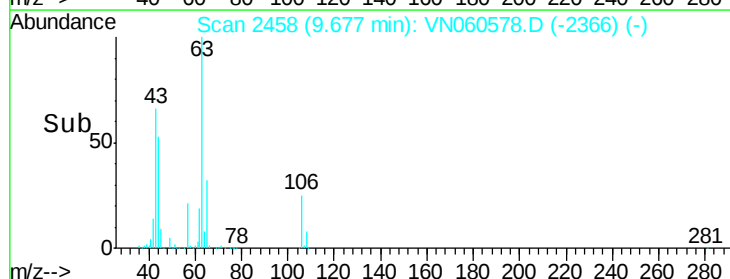
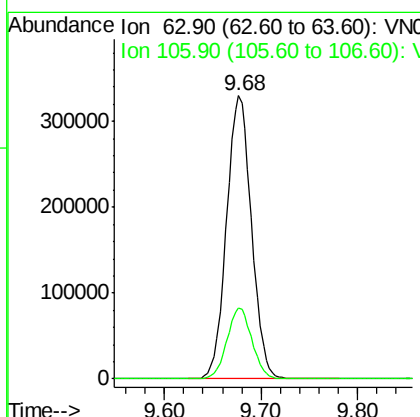
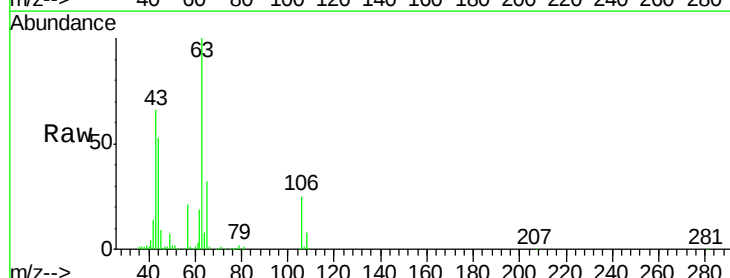
Manual Integrations
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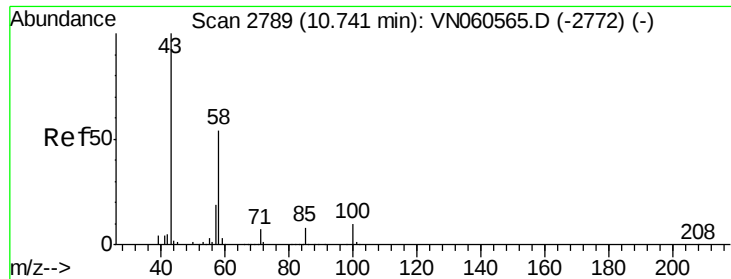
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#58
 2-Chloroethyl Vinyl ether
 Concen: 299.105 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060578.D
 Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.0	20.0	30.0





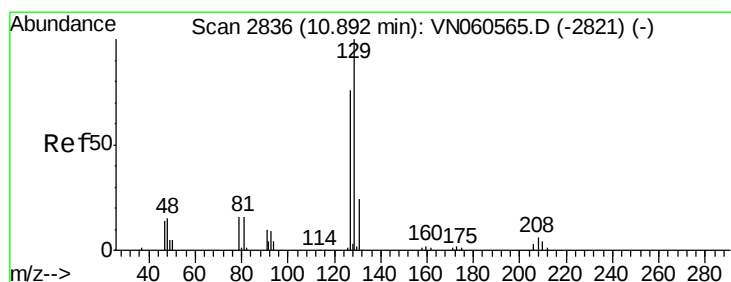
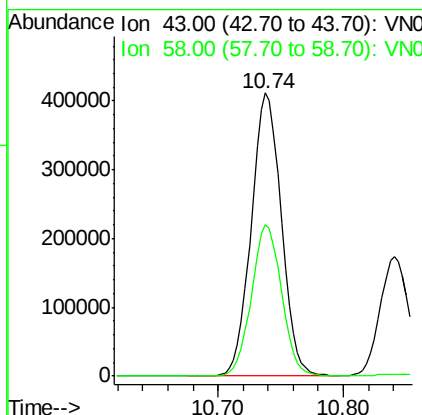
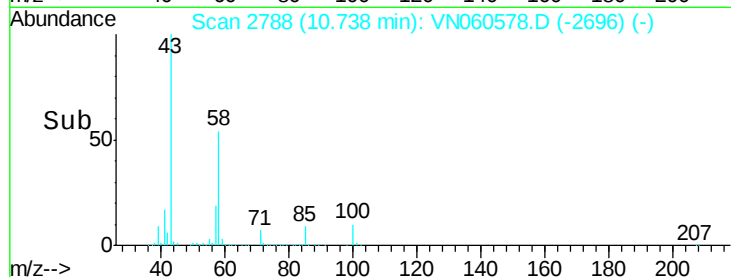
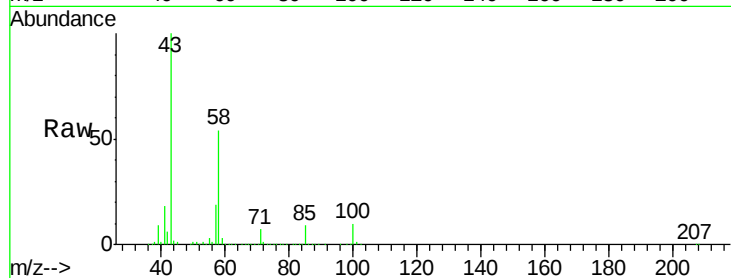
#59
2-Hexanone
Concen: 259.709 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 687648
Ion Ratio Lower Upper
43 100
58 53.5 26.7 80.1

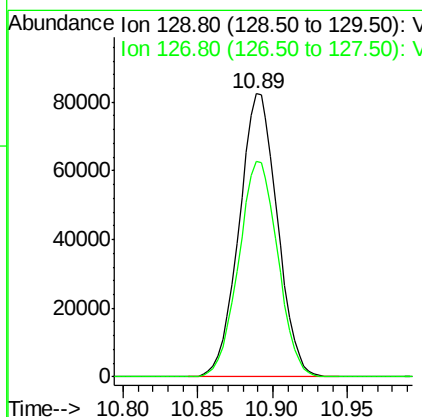
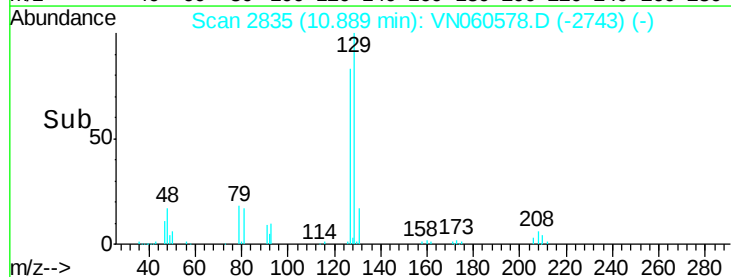
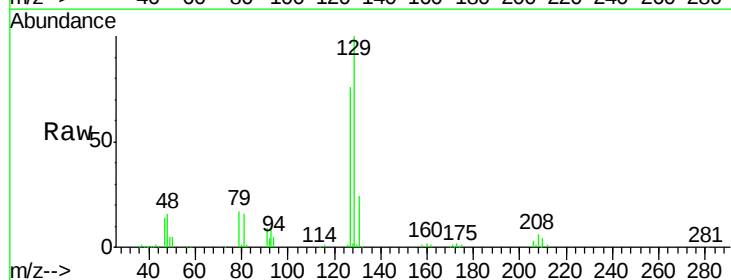
Manual Integrations
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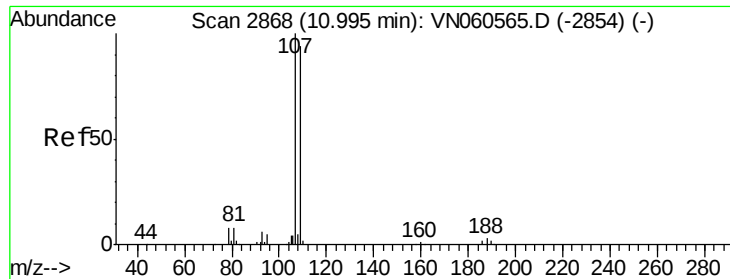
MMDadoda
3/19/2020 1:02:43 PM



#60
Dibromochloromethane
Concen: 55.871 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Tgt Ion: 129 Resp: 146724
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





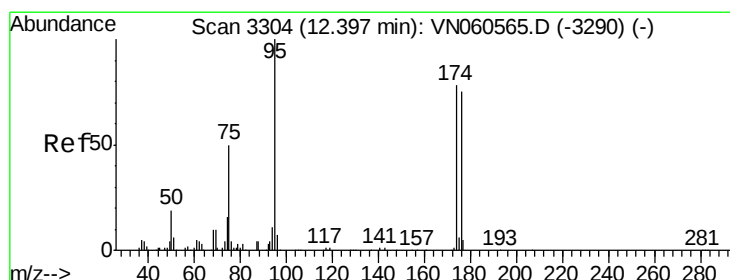
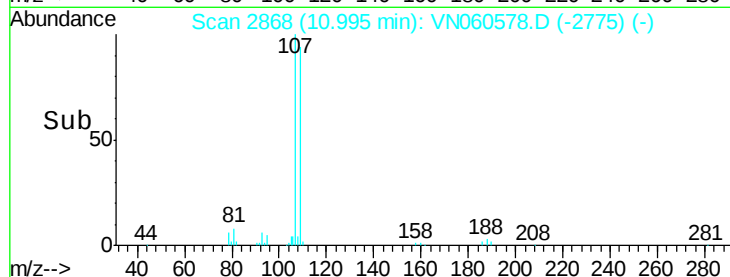
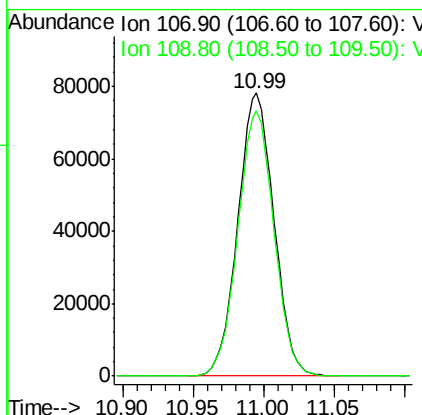
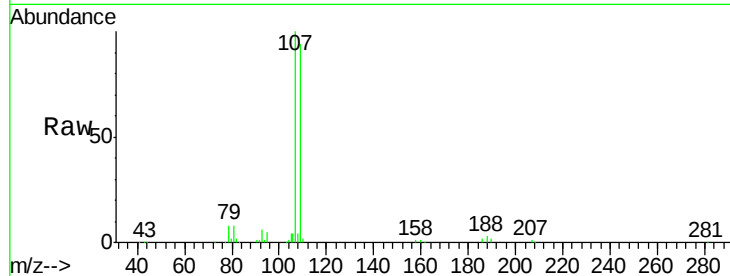
#61
1,2-Dibromoethane
Concen: 54.788 ug/l
RT: 10.99 min Scan# 2868
Delta R.T. 0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.2

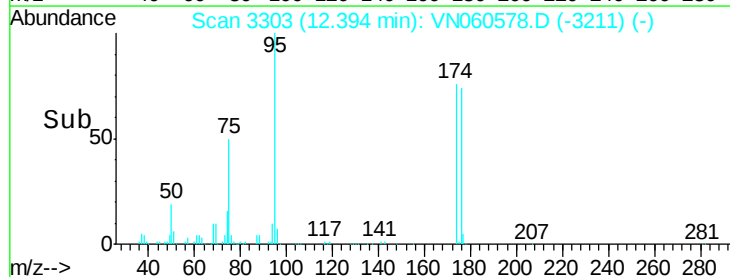
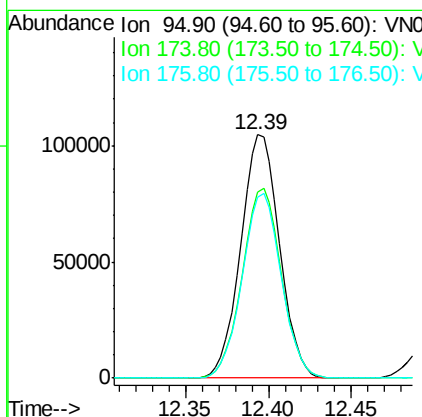
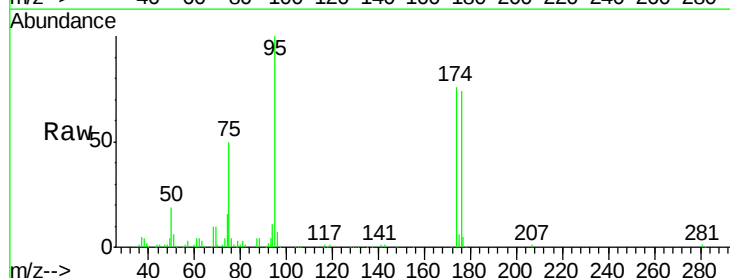
Manual Integrations
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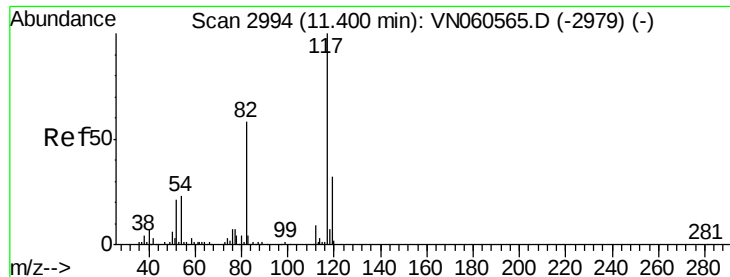
MMDadoda
3/19/2020 1:02:43 PM



#62
4-Bromofluorobenzene
Concen: 50.284 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. -0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	157.6
176	76.4	0.0	150.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. -0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Instrument :

MSVOA_N

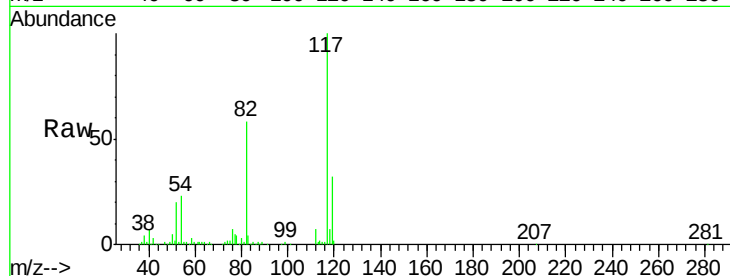
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	343374
Ion Ratio	Lower	Upper	
117	100		
82	57.6	46.7	70.1
119	31.9	25.5	38.3

Manual Integrations
APPROVED

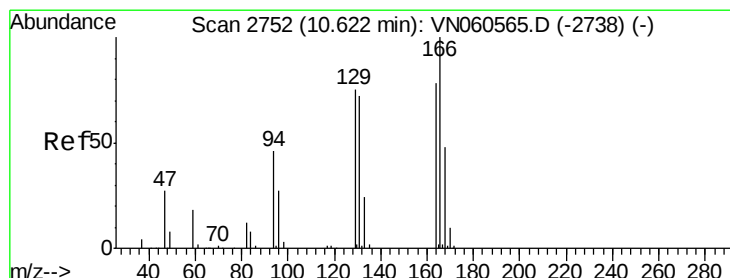
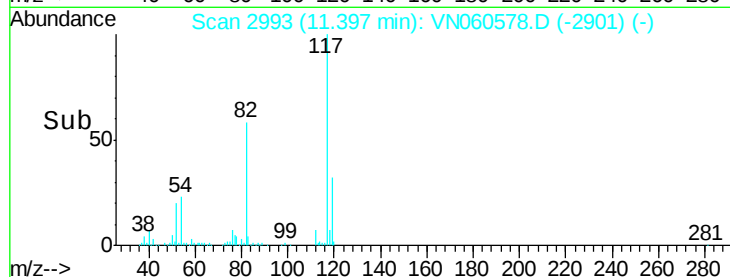
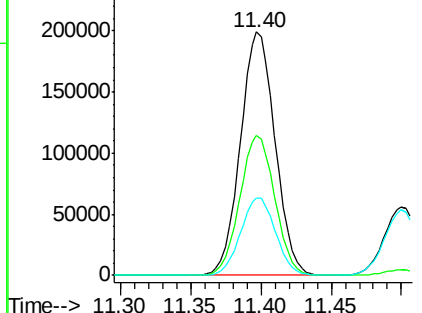
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 56.340 ug/l

RT: 10.62 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

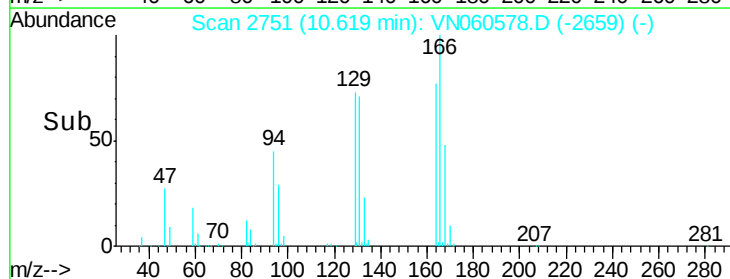
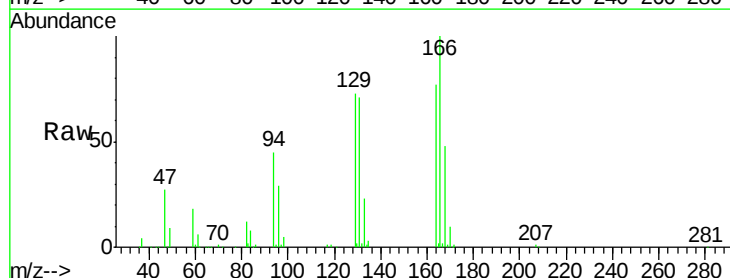
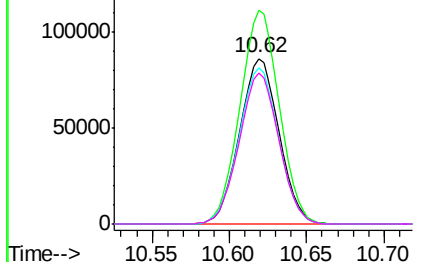
Tgt Ion:	164	Resp:	152235
Ion Ratio	Lower	Upper	
164	100		
166	129.2	102.7	154.1
129	94.2	77.2	115.8
131	91.3	73.8	110.6

Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





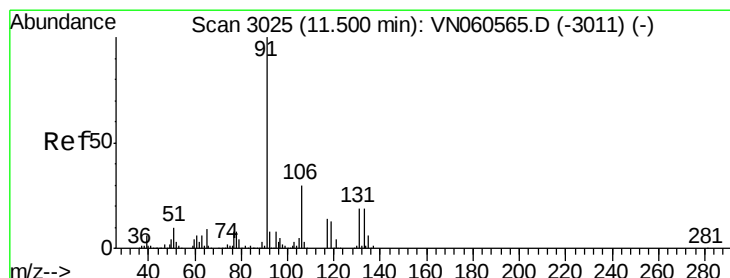
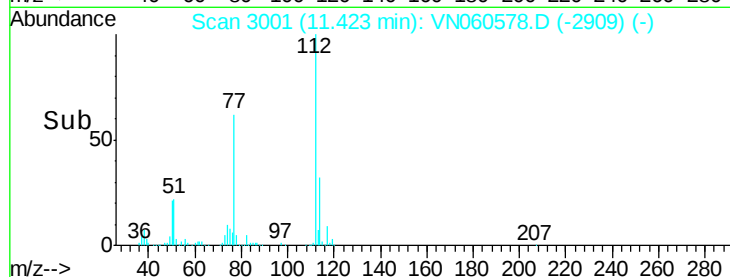
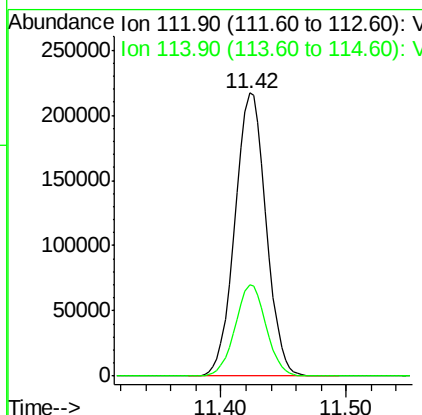
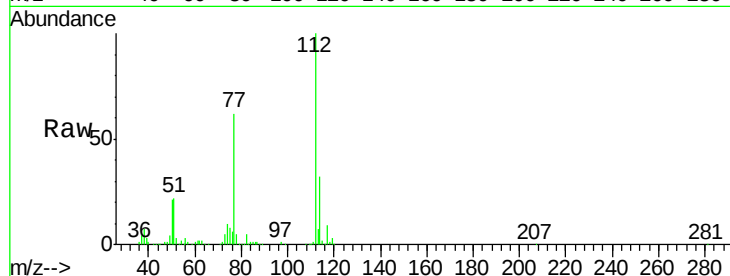
#65
Chlorobenzene
Concen: 55.014 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.8	38.6

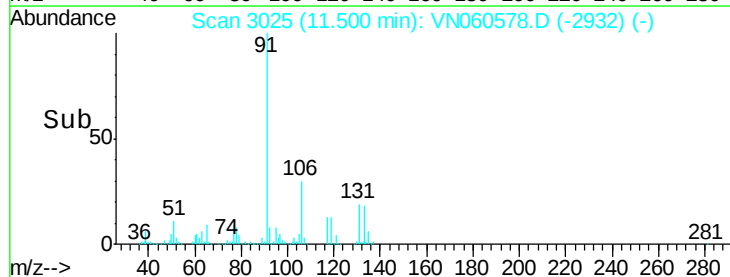
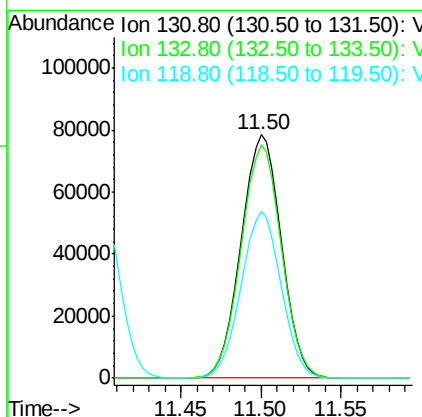
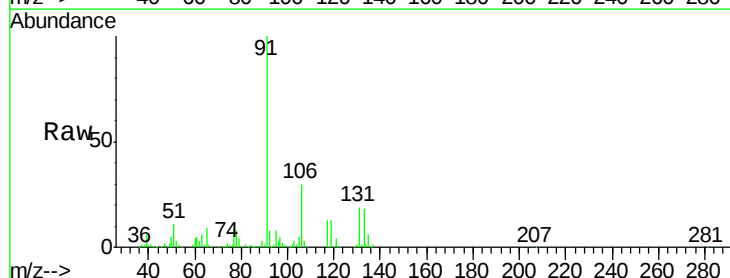
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.729 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.9	146.8
119	67.9	33.9	101.7





#67

Ethyl Benzene

Concen: 55.691 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 704978

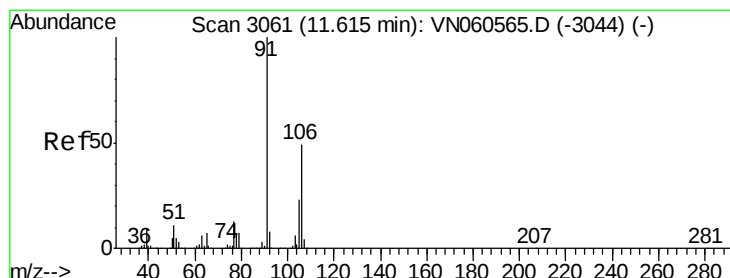
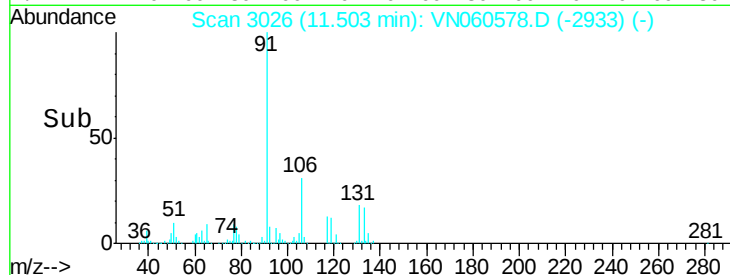
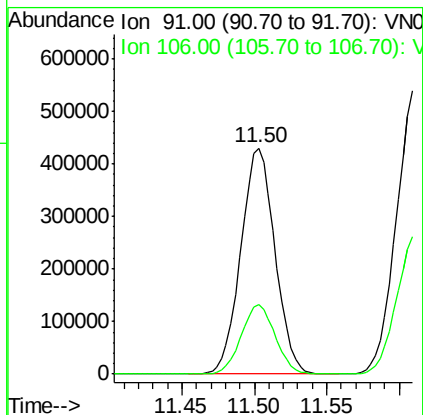
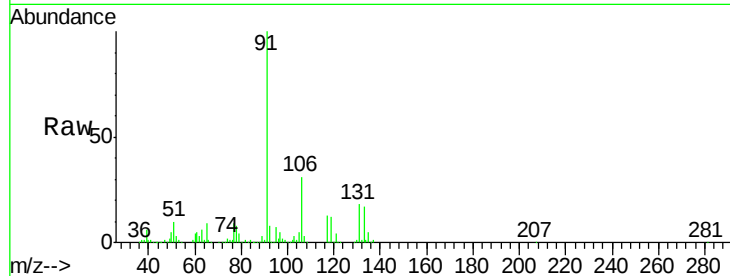
Ion Ratio Lower Upper

91 100

106 30.6 24.2 36.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 111.823 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060578.D

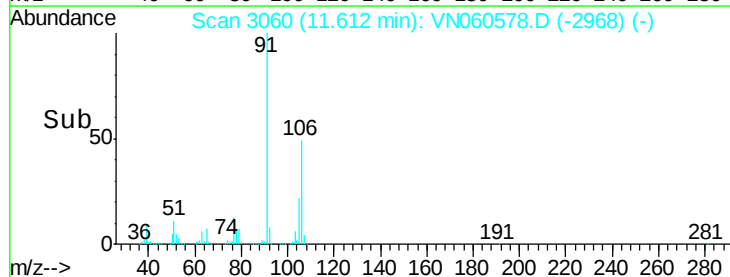
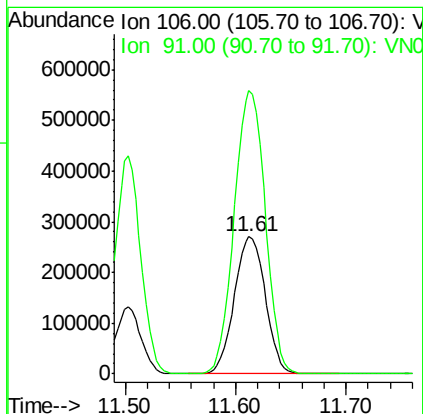
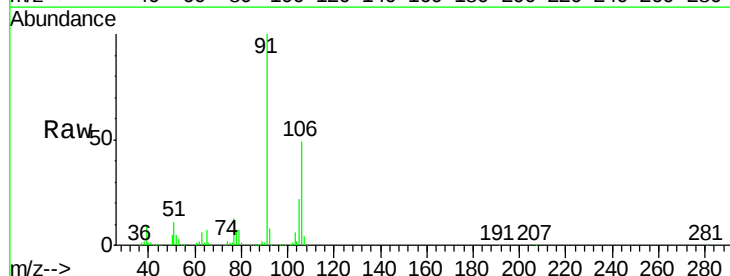
Acq: 18 Mar 2020 9:22

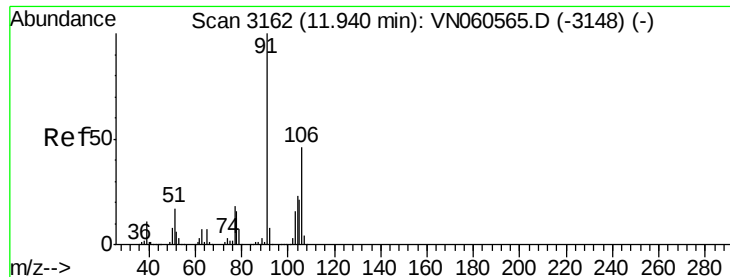
Tgt Ion: 106 Resp: 526023

Ion Ratio Lower Upper

106 100

91 206.9 165.0 247.4





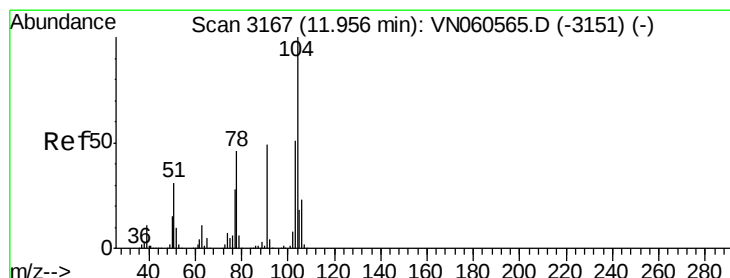
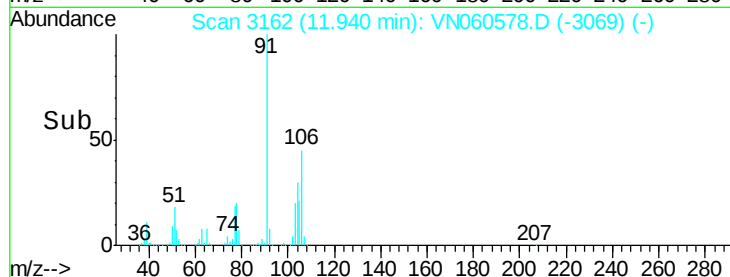
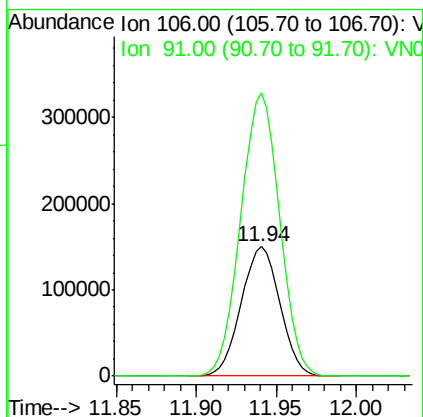
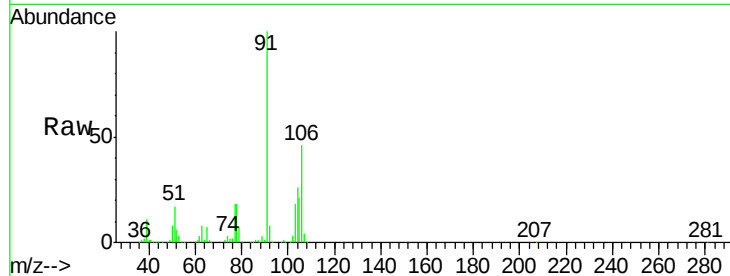
#69
o-Xylene
Concen: 55.551 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.0	109.5	328.4

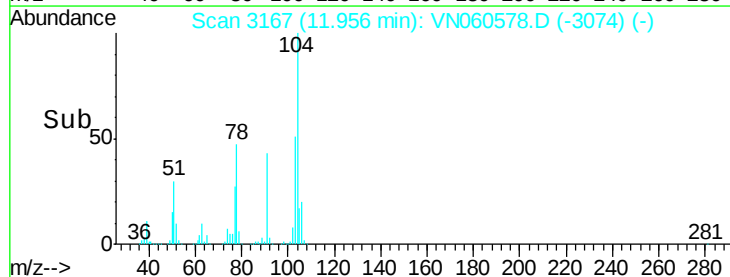
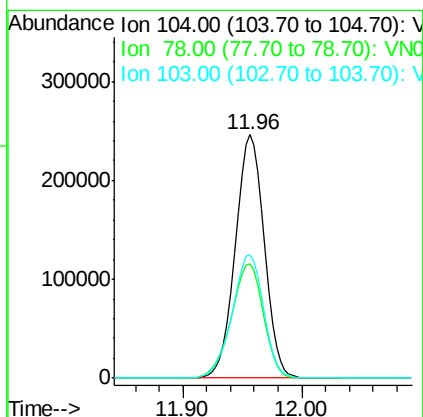
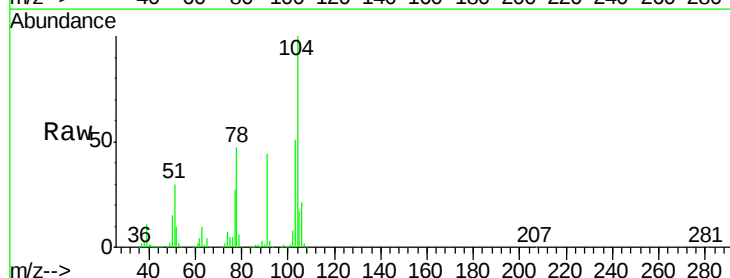
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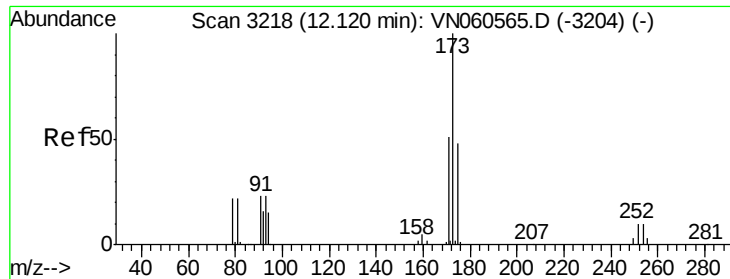
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#70
Styrene
Concen: 56.492 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.4	41.2	61.8
103	55.0	44.0	66.0





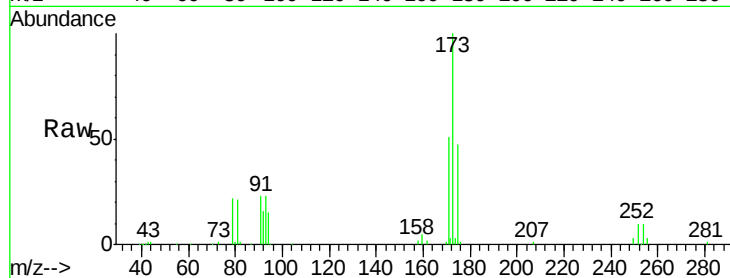
#71
Bromoform
Concen: 49.972 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

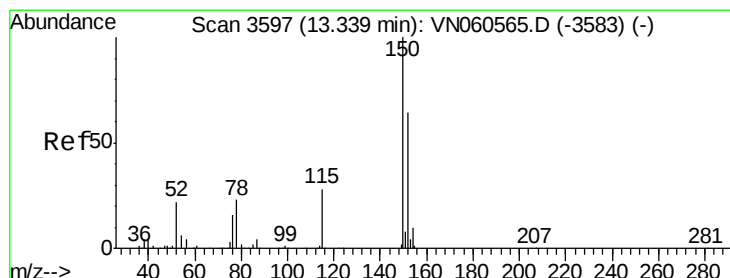
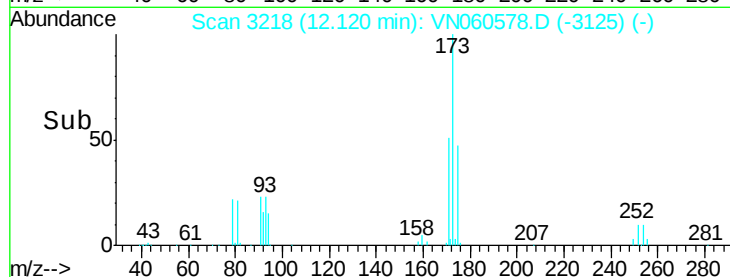
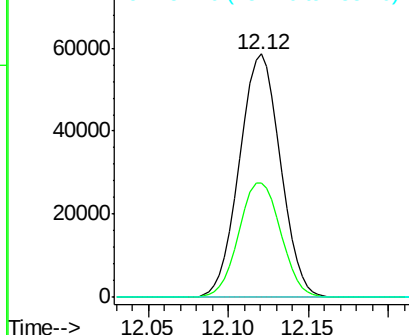
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.4
254	0.0	0.0	0.0

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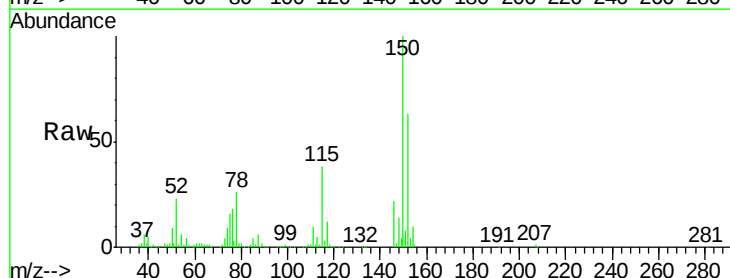


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

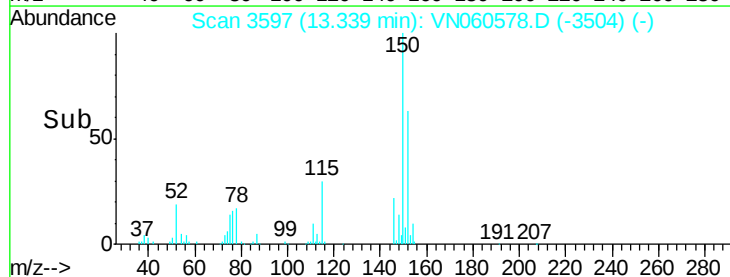
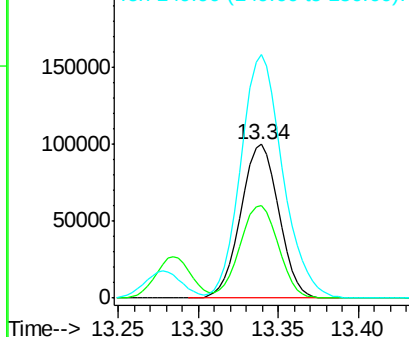


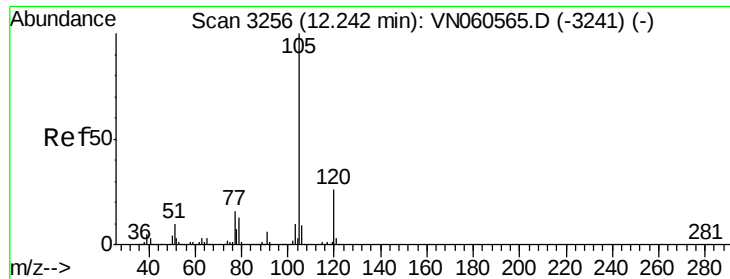
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.2	90.6
150	174.3	0.0	350.2



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





#73

Isopropylbenzene

Concen: 54.940 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 670057

Ion Ratio Lower Upper

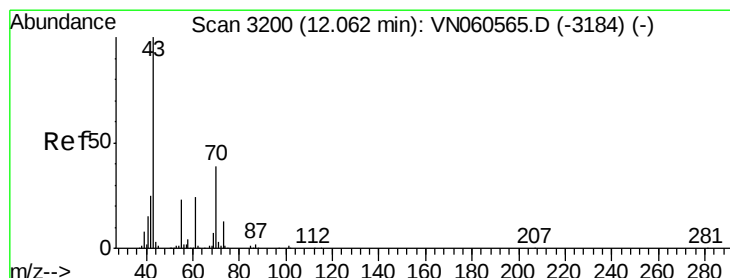
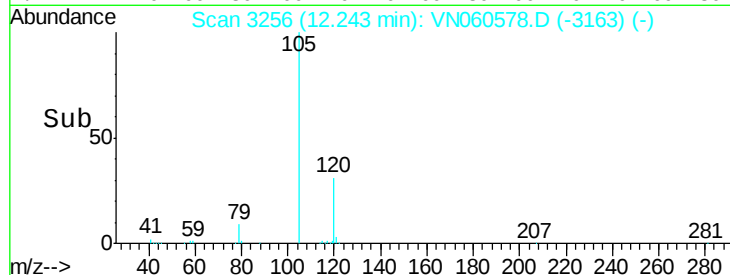
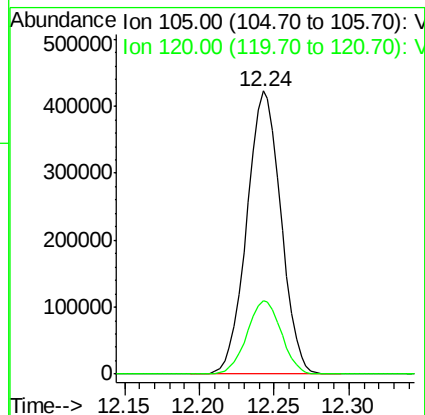
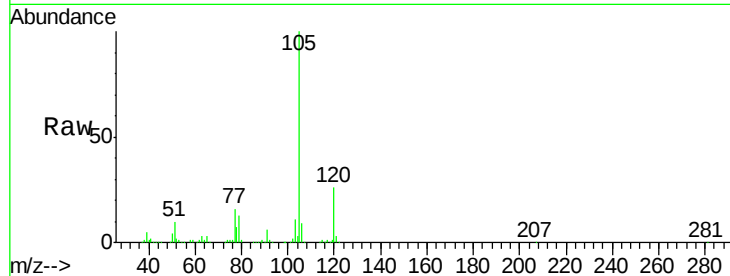
105 100

120 26.2 13.1 39.1

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#74

N-ethyl acetate

Concen: 51.571 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Tgt Ion: 43 Resp: 290643

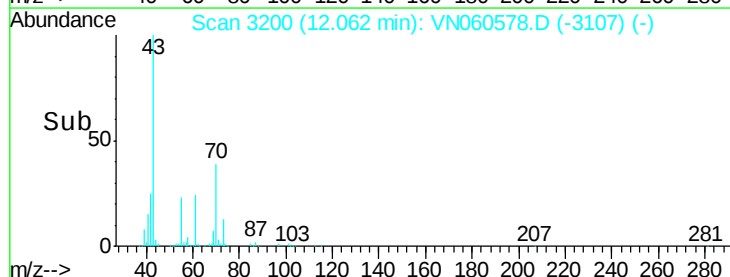
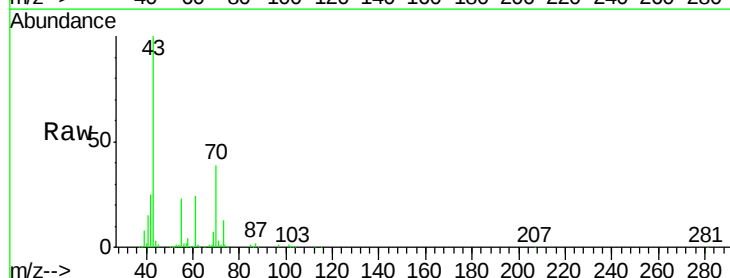
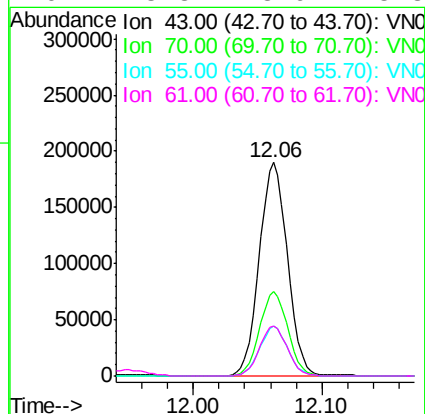
Ion Ratio Lower Upper

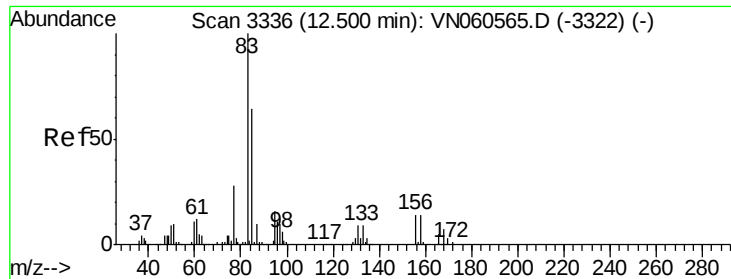
43 100

70 39.4 31.1 46.7

55 23.1 18.6 27.8

61 23.3 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 48.805 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Instrument :

MSVOA_N

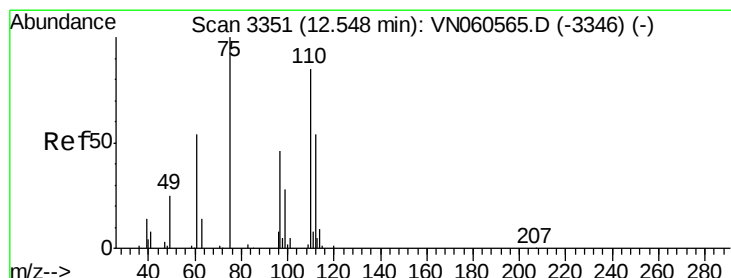
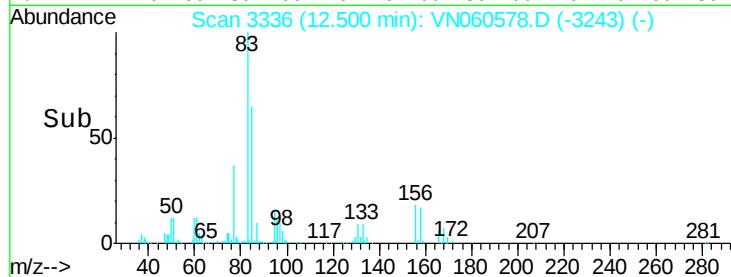
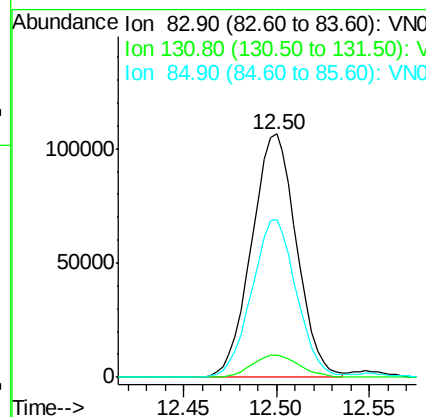
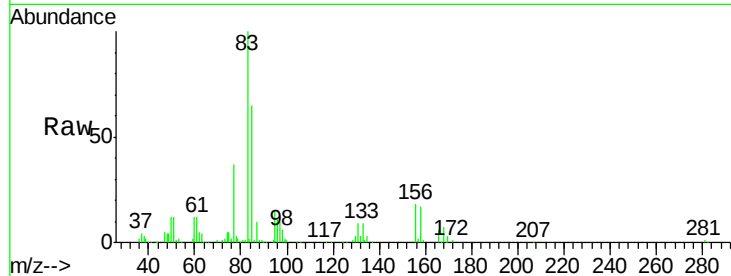
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	180006
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	64.6	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 47.087 ug/l m

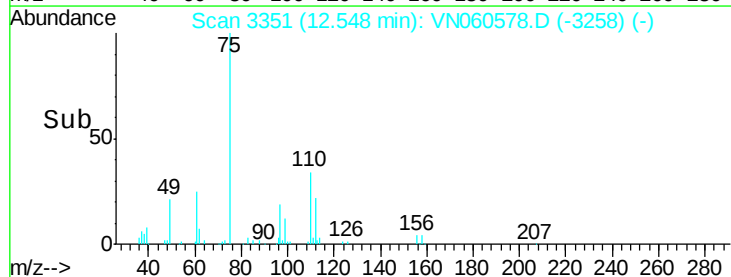
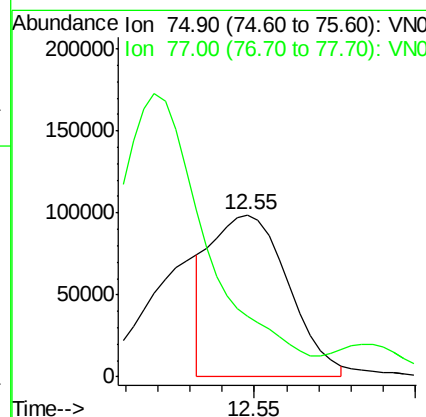
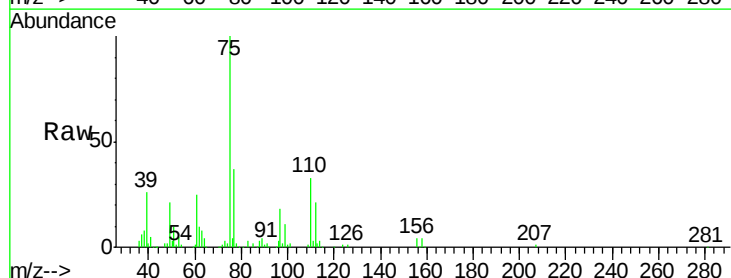
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Tgt Ion:	75	Resp:	165124
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





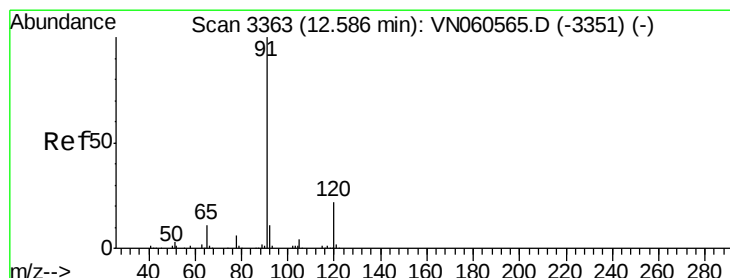
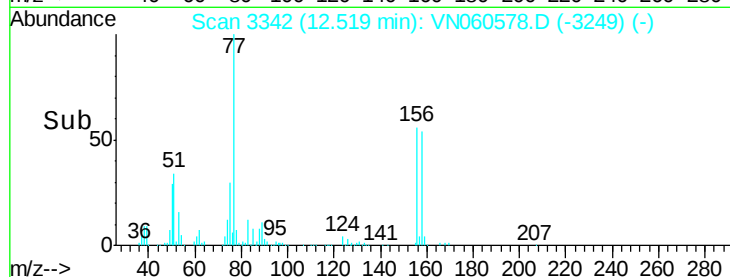
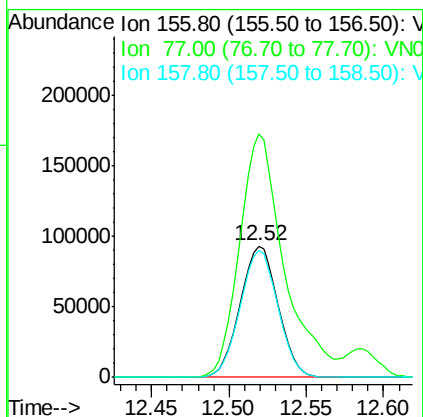
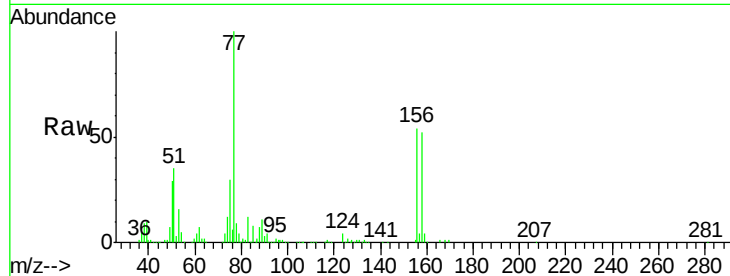
#77
Bromobenzene
Concen: 53.967 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	218.4	112.3	337.0
158	96.4	48.6	145.8

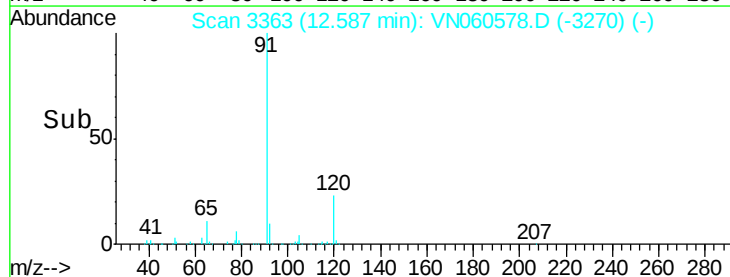
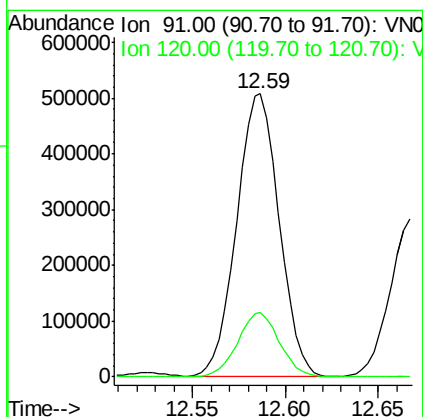
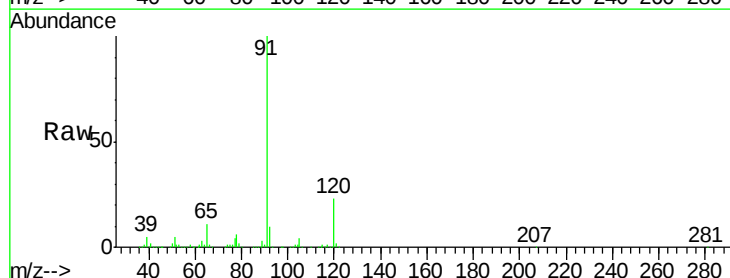
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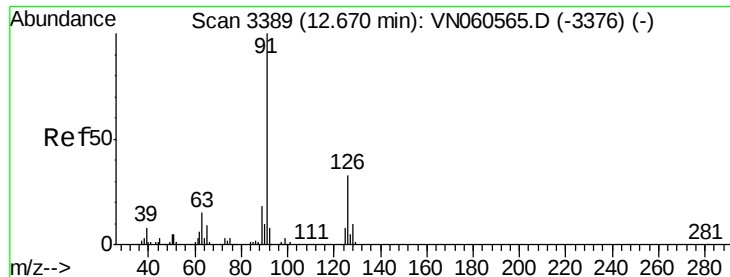
MMDadoda
3/19/2020 1:02:43 PM



#78
n-propylbenzene
Concen: 55.826 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.3	33.8





#79

2-Chlorotoluene

Concen: 53.724 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 462530

Ion Ratio Lower Upper

91 100

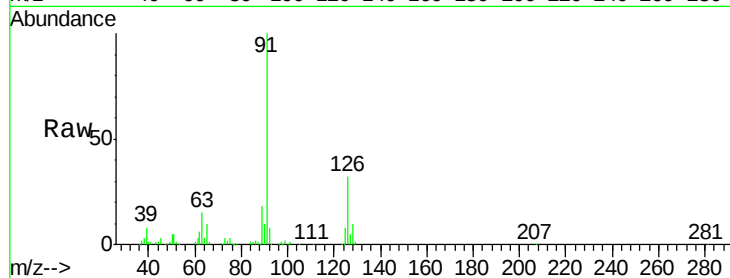
126 32.6 16.4 49.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060565.D (-3376) (-)

400000

300000

200000

100000

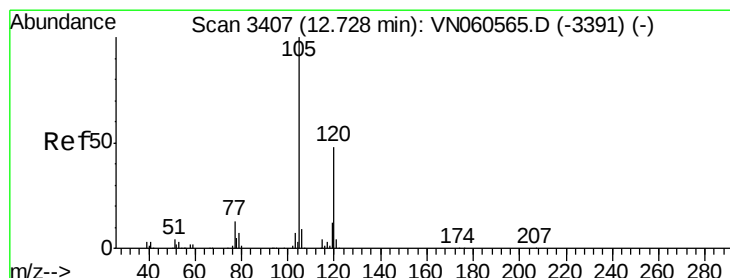
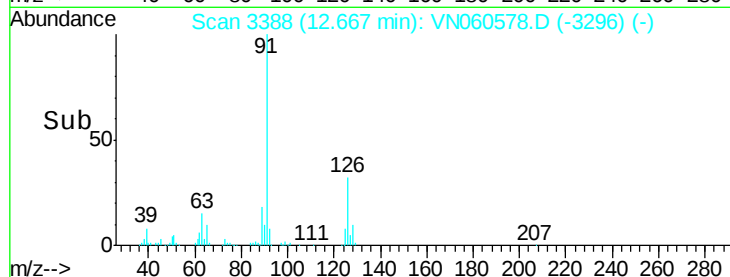
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.807 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060578.D

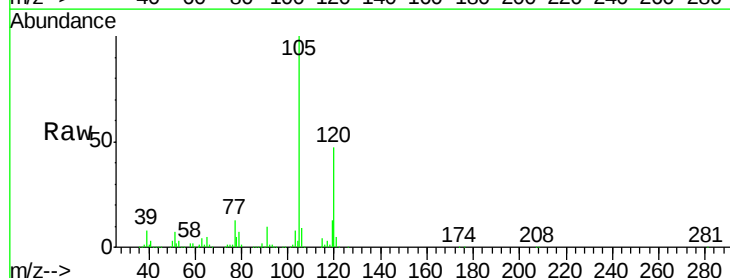
Acq: 18 Mar 2020 9:22

Tgt Ion: 105 Resp: 567256

Ion Ratio Lower Upper

105 100

120 47.4 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060565.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060565.D (-3391) (-)

400000

300000

200000

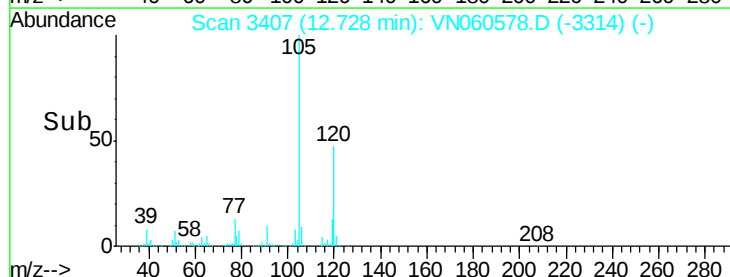
100000

0

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 53.114 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Instrument :

MSVOA_N

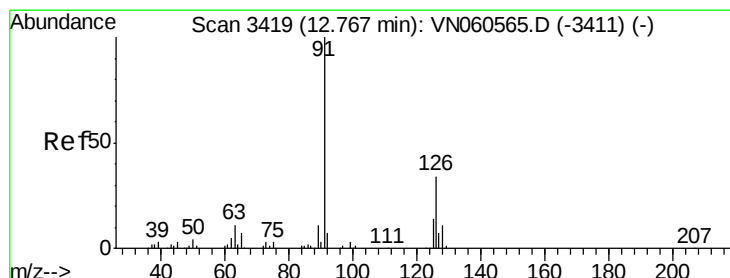
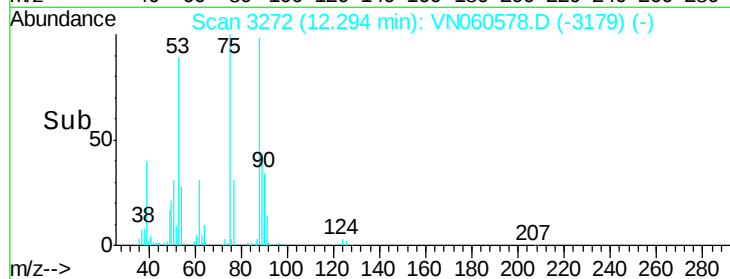
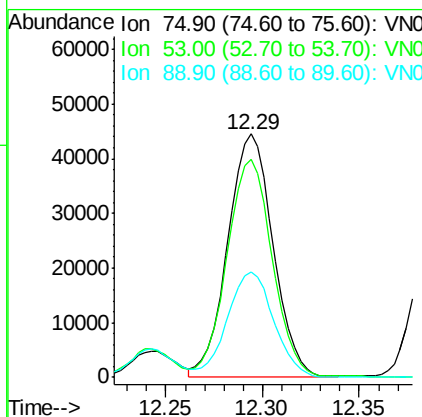
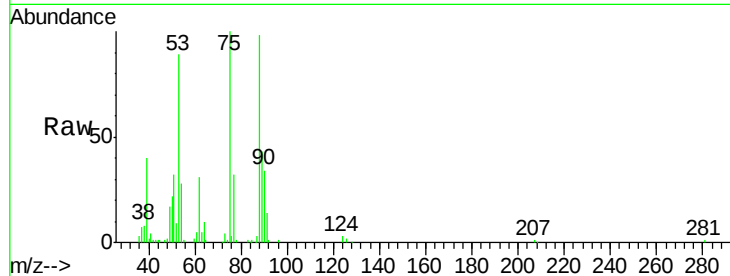
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	72522
Ion	Ratio	Lower	Upper
75	100		
53	88.8	73.0	109.4
89	44.2	34.8	52.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 55.281 ug/l

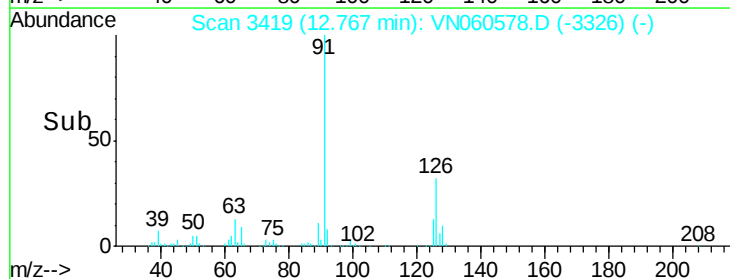
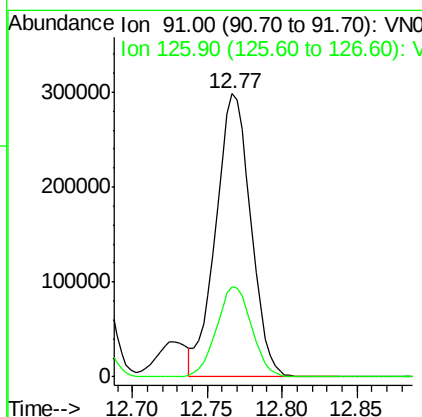
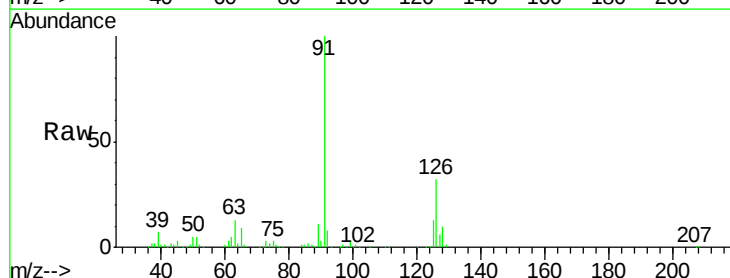
RT: 12.77 min Scan# 3419

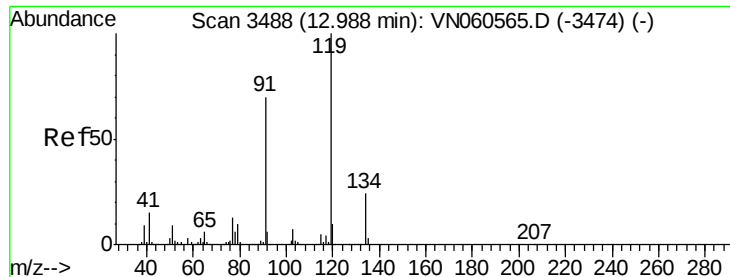
Delta R.T. 0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Tgt Ion:	91	Resp:	484740
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.2	48.5





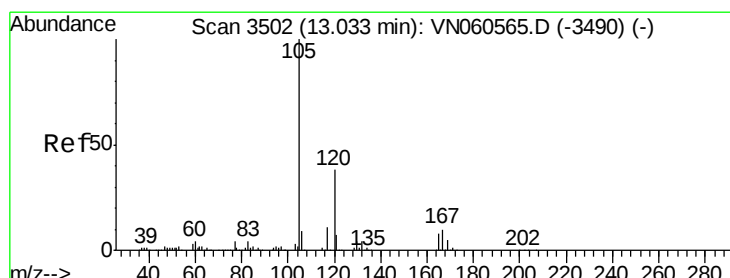
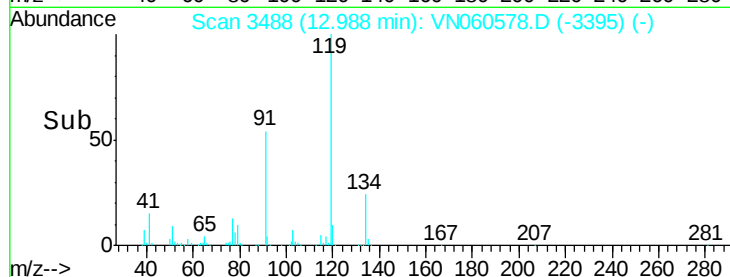
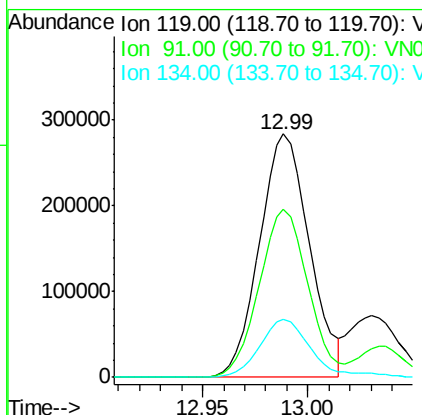
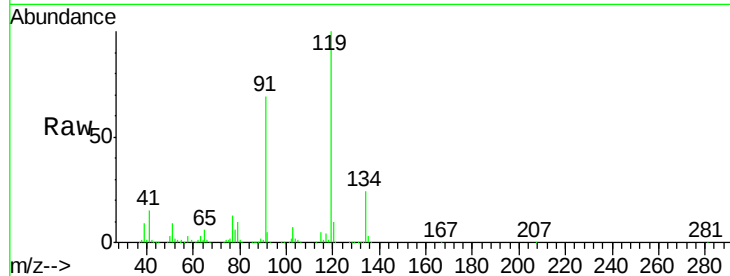
#83
 tert-Butylbenzene
 Concen: 54.632 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060578.D
 Acq: 18 Mar 2020 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	34.0	101.8
134	24.8	12.7	38.0

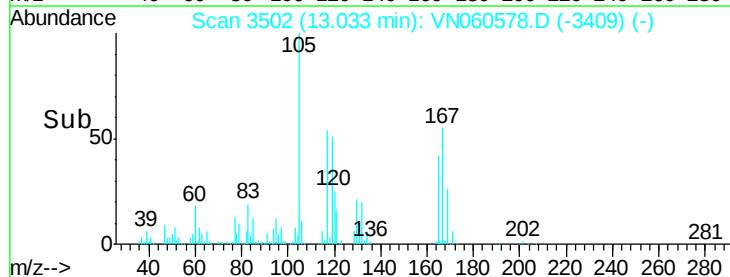
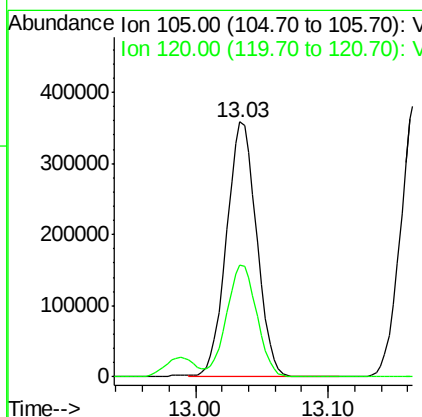
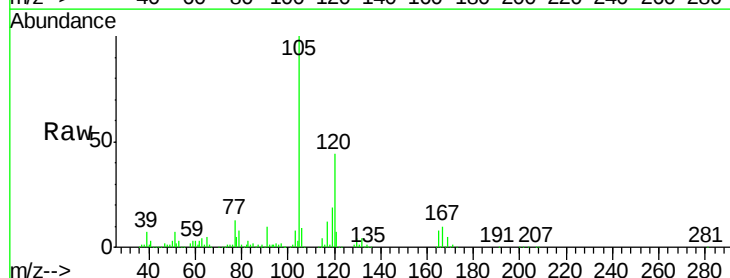
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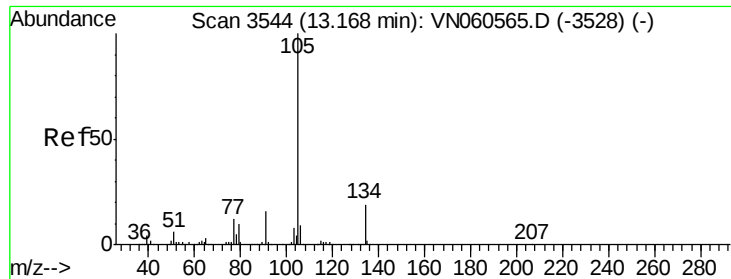
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.203 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN060578.D
 Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.5





#85

sec-Butylbenzene

Concen: 55.571 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 641144

Ion Ratio Lower Upper

105 100

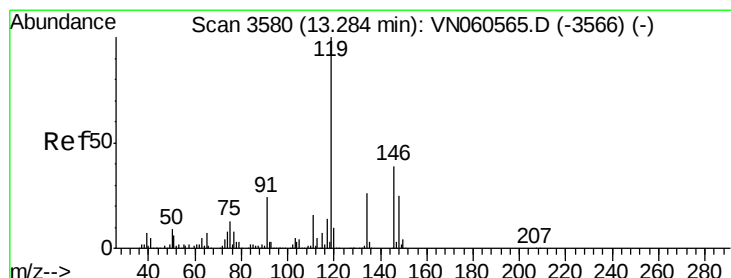
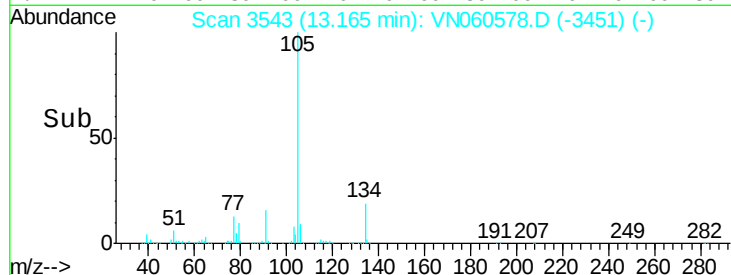
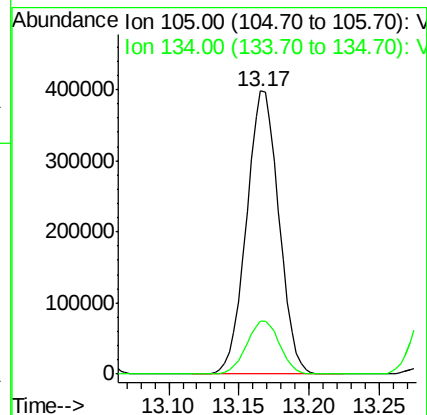
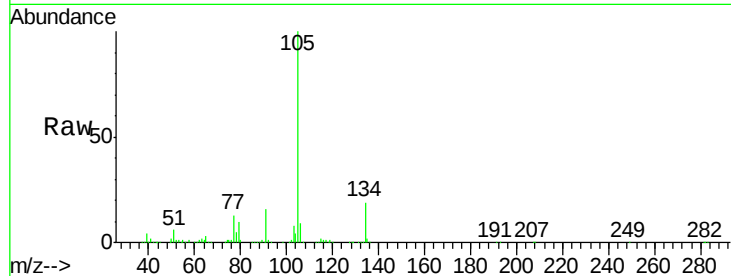
134 19.2 9.6 28.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 56.187 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

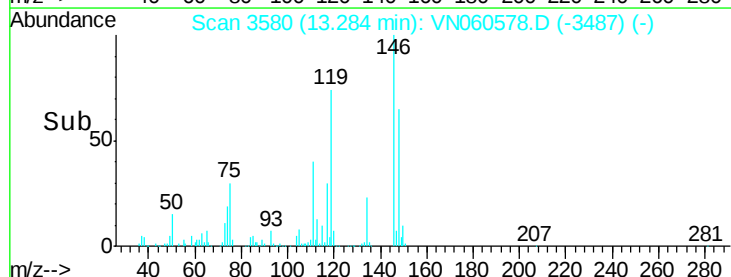
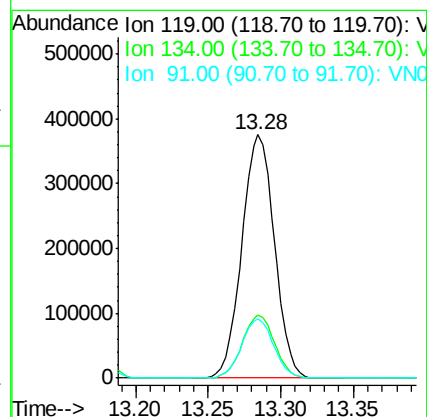
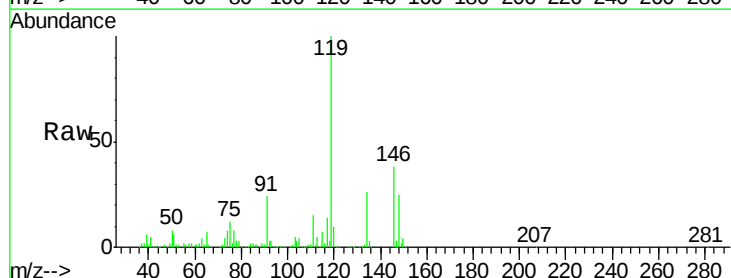
Tgt Ion:119 Resp: 582930

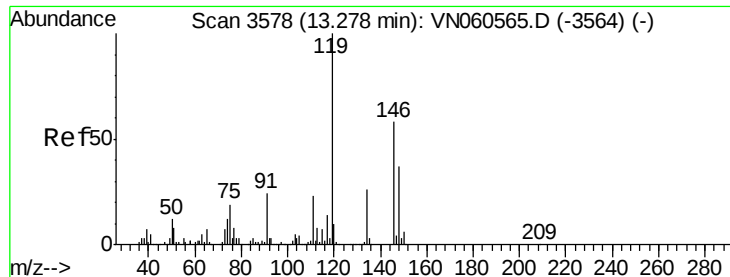
Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

91 24.1 12.0 36.0





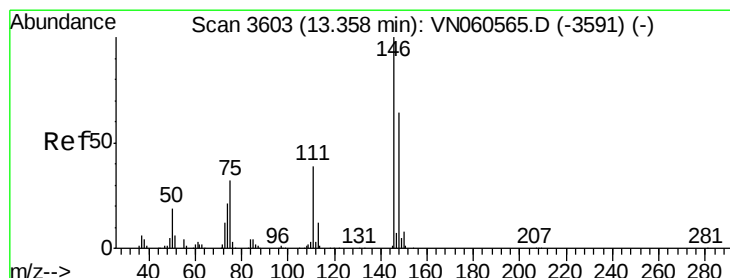
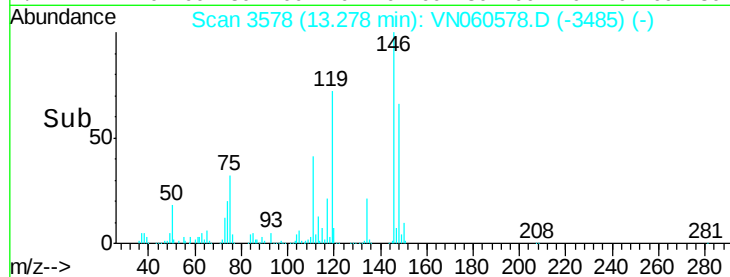
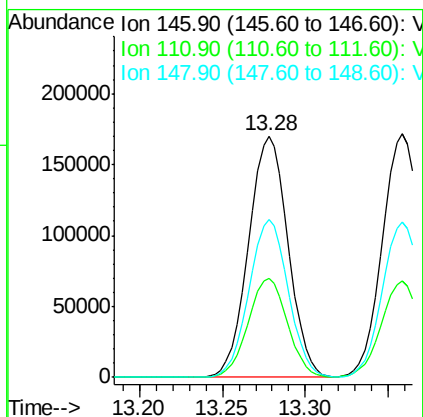
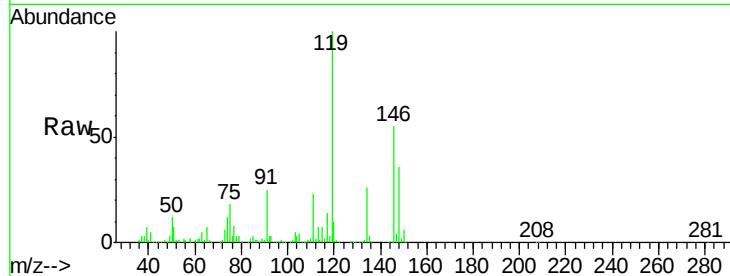
#87
 1,3-Dichlorobenzene
 Concen: 54.565 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060578.D
 Acq: 18 Mar 2020 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	64.9	32.5	97.4

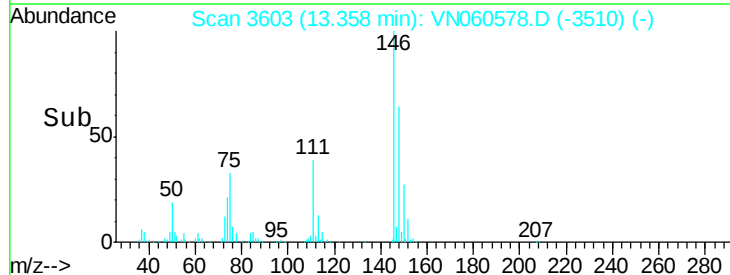
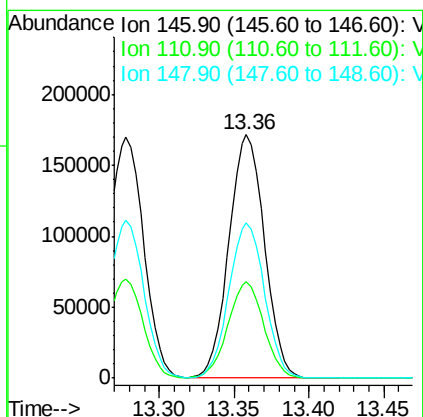
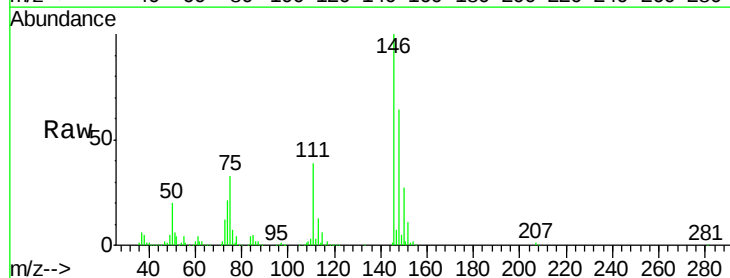
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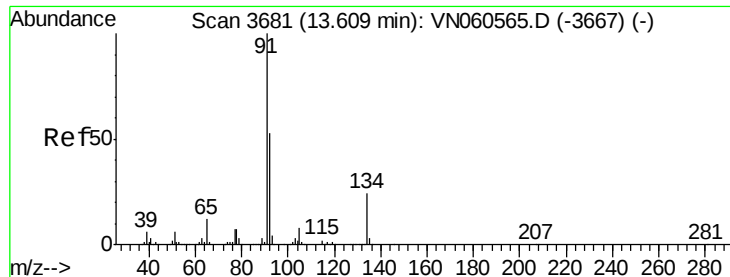
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 54.548 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060578.D
 Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.7
148	63.9	32.1	96.3





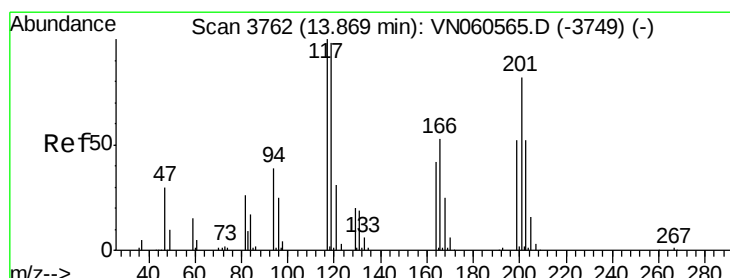
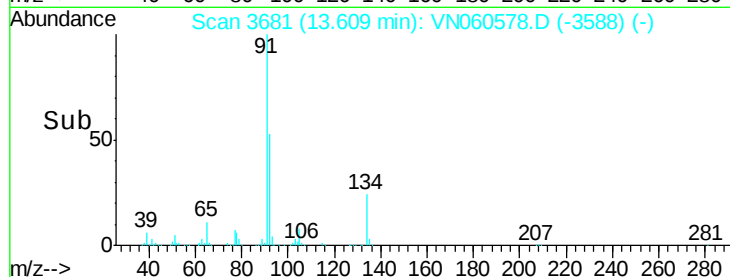
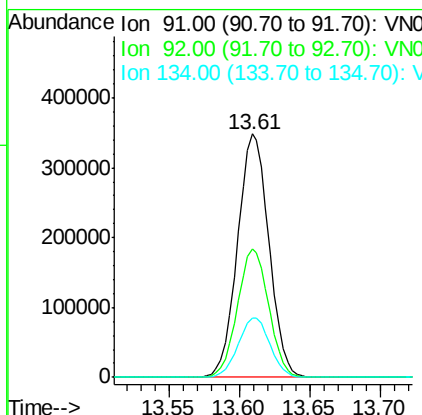
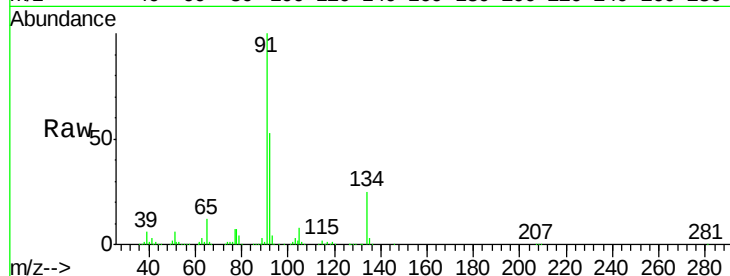
#89
n-Butylbenzene
Concen: 57.922 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	24.8	12.3	36.9

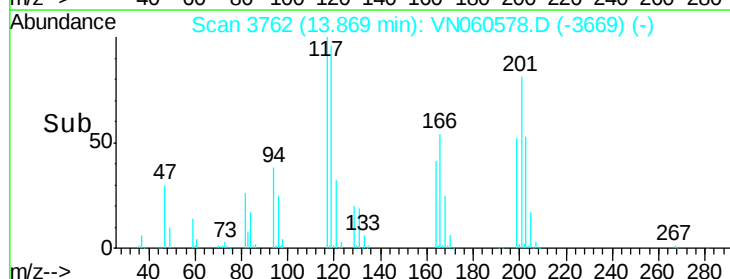
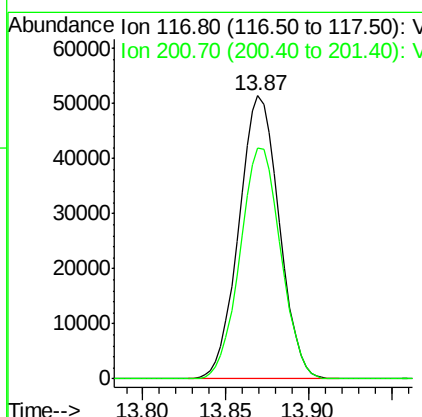
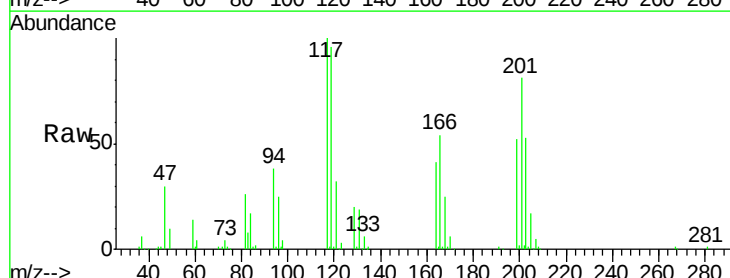
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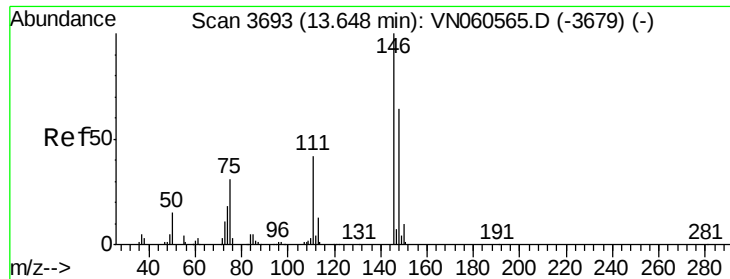
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#90
Hexachloroethane
Concen: 57.579 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.3	40.8	122.5





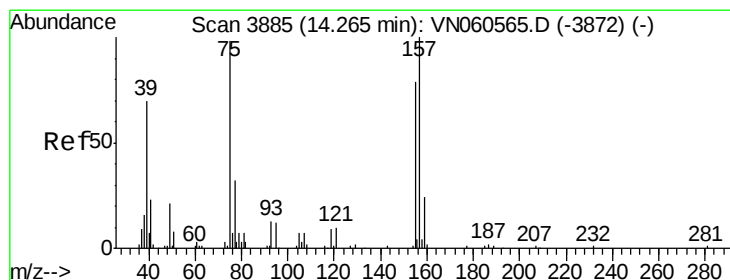
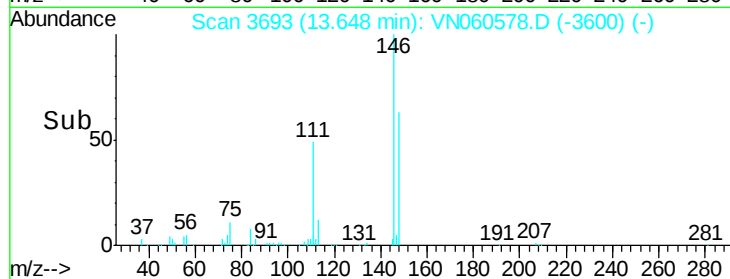
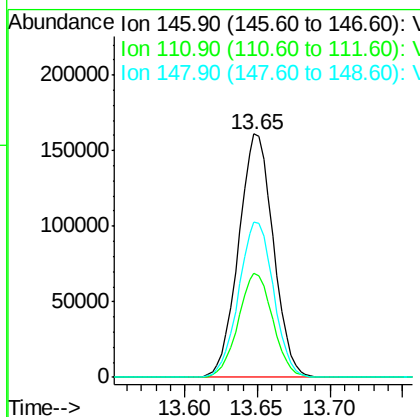
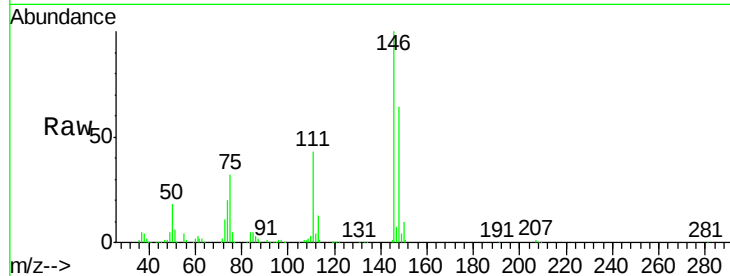
#91
 1,2-Dichlorobenzene
 Concen: 54.169 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN060578.D
 Acq: 18 Mar 2020 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.0	63.0
148	64.1	31.9	95.5

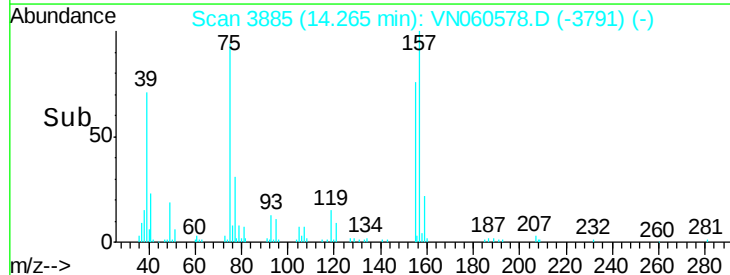
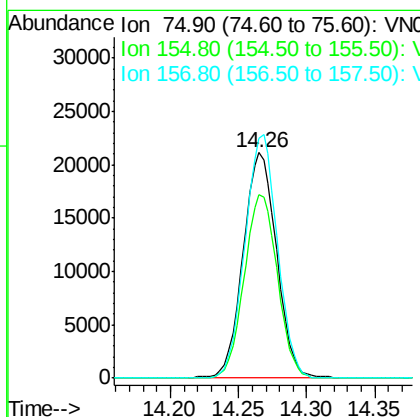
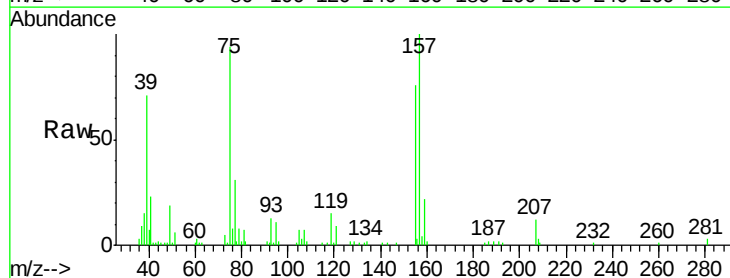
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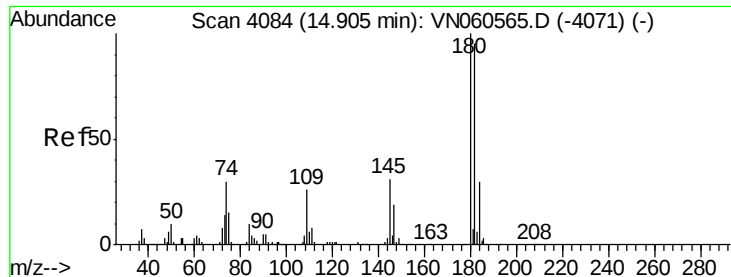
MMDadoda
 3/19/2020 1:02:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.604 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060578.D
 Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	40.7	122.1
157	104.5	51.5	154.7





#93

1,2,4-Trichlorobenzene

Concen: 55.939 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. 0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Instrument :

MSVOA_N

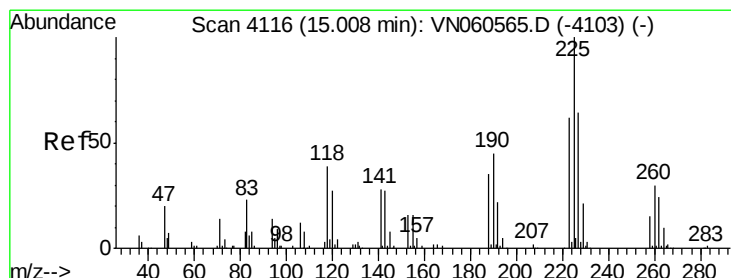
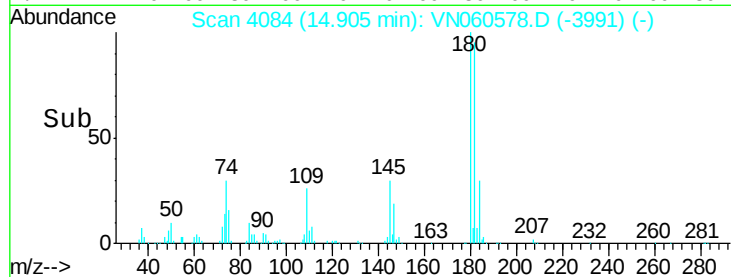
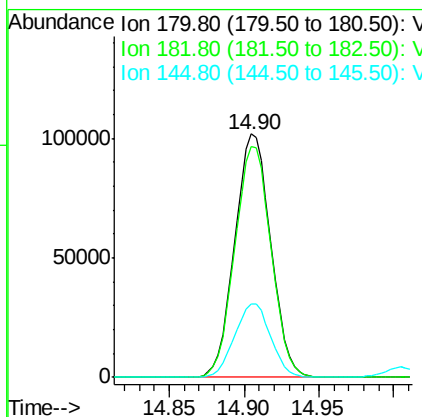
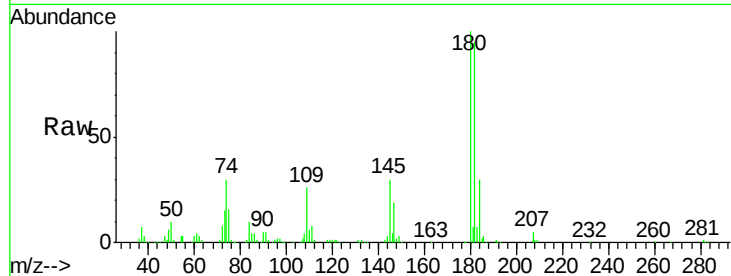
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	170256
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.9	143.8
145	30.4	15.4	46.2

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 57.988 ug/l

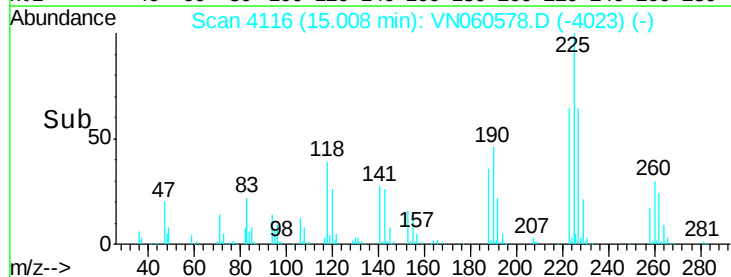
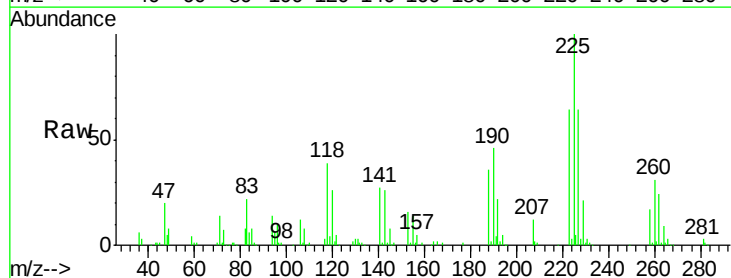
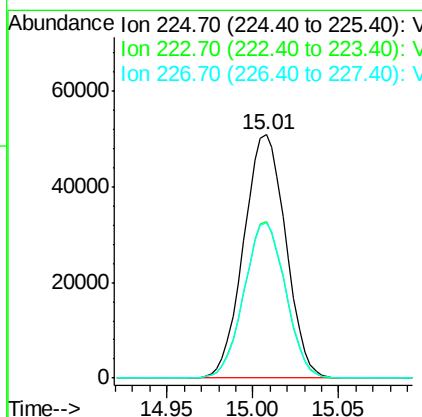
RT: 15.01 min Scan# 4116

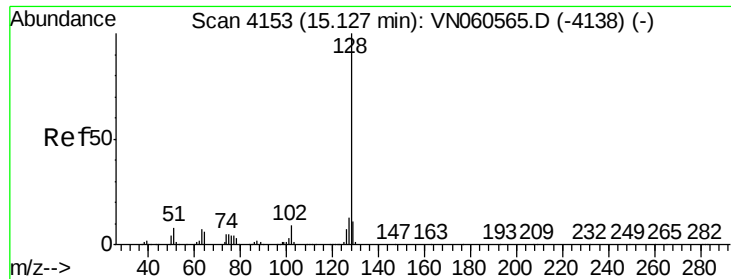
Delta R.T. 0.00 min

Lab File: VN060578.D

Acq: 18 Mar 2020 9:22

Tgt Ion:	225	Resp:	86521
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.6	95.0
227	63.1	32.3	96.8





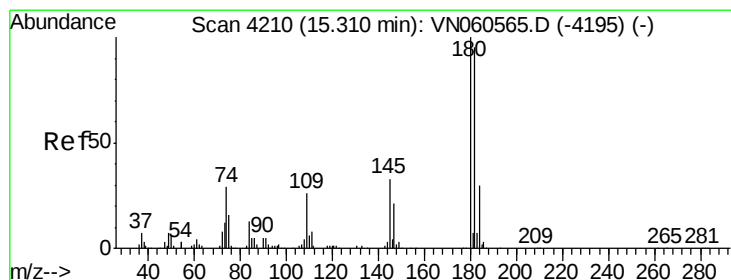
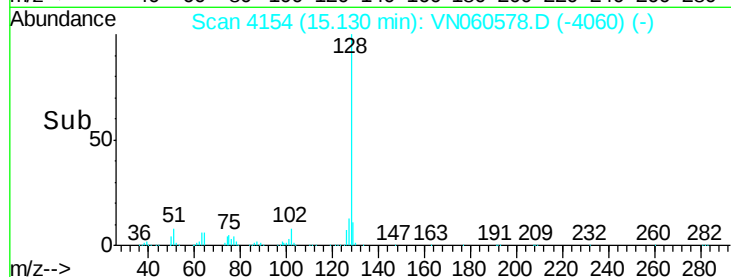
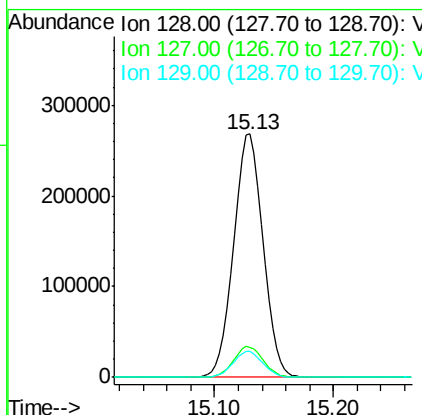
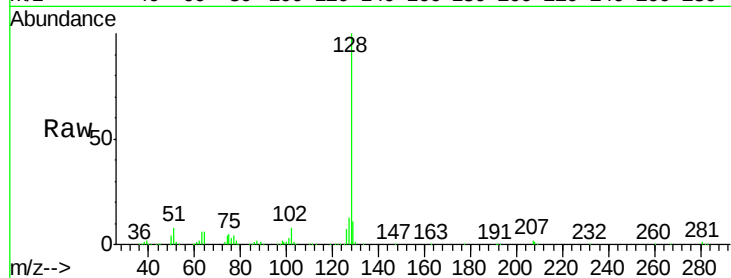
#95
Naphthalene
Concen: 50.255 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:02:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.302 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060578.D
Acq: 18 Mar 2020 9:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.5	142.6
145	32.2	16.3	48.8

