

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060566.D
 Acq On : 17 Mar 2020 19:35
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 7:00:41 PM

Quant Time: Mar 18 08:42:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:02:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	219039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	369396	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	342347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	166060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	302240	104.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.84%	
35) Dibromofluoromethane	7.56	113	227261	124.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	248.24%	
50) Toluene-d8	10.08	98	927955	104.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.42%	
62) 4-Bromofluorobenzene	12.40	95	343912	103.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	222080	108.353	ug/l	99
3) Chloromethane	2.03	50	390174	108.244	ug/l	100
4) Vinyl Chloride	2.16	62	315004	103.575	ug/l	99
5) Bromomethane	2.53	94	134001	99.642	ug/l	99
6) Chloroethane	2.67	64	181456	108.195	ug/l	99
7) Trichlorofluoromethane	3.00	101	384327	99.543	ug/l	99
8) Diethyl Ether	3.38	74	155962	105.870	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	223311	101.906	ug/l	100
10) Methyl Iodide	3.93	142	214853	108.783	ug/l	99
11) Tert butyl alcohol	4.73	59	222884	529.919	ug/l	100
12) 1,1-Dichloroethene	3.72	96	234567	100.080	ug/l	99
13) Acrolein	3.57	56	249799	617.593	ug/l	99
14) Allyl chloride	4.29	41	412693	105.415	ug/l	99
15) Acrylonitrile	4.94	53	684980	604.767	ug/l	99
16) Acetone	3.78	43	537498	573.913	ug/l	100
17) Carbon Disulfide	4.03	76	733029	107.973	ug/l	100
18) Methyl Acetate	4.28	43	308249	100.451	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	807416	104.223	ug/l	98
20) Methylene Chloride	4.52	84	262685	103.416	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	252454	95.188	ug/l	95
22) Diisopropyl ether	5.92	45	904720	112.085	ug/l	95
23) Vinyl Acetate	5.86	43	3776456	588.058	ug/l	99
24) 1,1-Dichloroethane	5.82	63	487380	107.501	ug/l	99
25) 2-Butanone	6.80	43	907979	600.398	ug/l	99
26) 2,2-Dichloropropane	6.80	77	371914	92.470	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	288456	98.570	ug/l	99
28) Bromochloromethane	7.17	49	238628	123.156	ug/l	100
29) Tetrahydrofuran	7.18	42	621341	589.011	ug/l	99
30) Chloroform	7.35	83	462405	103.184	ug/l	99
31) Cyclohexane	7.63	56	466978	108.730	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	405412	102.261	ug/l	99
36) 1,1-Dichloropropene	7.77	75	368356	102.808	ug/l	100
37) Ethyl Acetate	6.90	43	392452	114.966	ug/l	99
38) Carbon Tetrachloride	7.75	117	339405	99.139	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	435519	103.182	ug/l	99
40) Benzene	8.02	78	1096423	105.317	ug/l	100
41) Methacrylonitrile	7.14	41	173514	111.717	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	375082	100.976	ug/l	99
43) Isopropyl Acetate	8.14	43	659091	110.906	ug/l	100
44) Trichloroethene	8.82	130	277531	96.823	ug/l	98
45) 1,2-Dichloropropane	9.10	63	293796	108.095	ug/l	100
46) Dibromomethane	9.19	93	178426	101.976	ug/l	99
47) Bromodichloromethane	9.39	83	374112	105.188	ug/l	99
48) Methyl methacrylate	9.18	41	303123	112.000	ug/l	100
49) 1,4-Dioxane	9.18	88	73133	1949.027	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1915148	567.244	ug/l	99
52) Toluene	10.14	92	670338	103.090	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	433697	99.669	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	464104	102.636	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	255740	98.310	ug/l	99
56) Ethyl methacrylate	10.42	69	436451	115.701	ug/l	100
57) 1,3-Dichloropropane	10.70	76	450272	105.559	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	1071550	545.486	ug/l	100
59) 2-Hexanone	10.74	43	1414489	571.208	ug/l	99
60) Dibromochloromethane	10.89	129	279255	105.597	ug/l	100
61) 1,2-Dibromoethane	10.99	107	268663	105.638	ug/l	99
64) Tetrachloroethene	10.62	164	262256	86.605	ug/l	99
65) Chlorobenzene	11.43	112	688741	99.230	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	252118	98.872	ug/l	98
67) Ethyl Benzene	11.50	91	1297995	102.218	ug/l	99
68) m/p-Xylenes	11.62	106	961849	200.867	ug/l	99
69) o-Xylene	11.94	106	464023	101.692	ug/l	99
70) Styrene	11.96	104	796195	106.228	ug/l	99
71) Bromoform	12.12	173	208092	112.520	ug/l #	99
73) Isopropylbenzene	12.25	105	1227903	98.867	ug/l	100
74) N-amyl acetate	12.06	43	598225	108.997	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	373481	109.000	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	345512m	95.185	ug/l	
77) Bromobenzene	12.52	156	294149	96.951	ug/l	100
78) n-propylbenzene	12.59	91	1460159	100.066	ug/l	99
79) 2-Chlorotoluene	12.67	91	856758	99.687	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1043641	99.771	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	146022	109.358	ug/l	98
82) 4-Chlorotoluene	12.77	91	897118	99.240	ug/l	100
83) tert-Butylbenzene	12.99	119	865253	96.200	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1047344	99.365	ug/l	100
85) sec-Butylbenzene	13.17	105	1171647	97.068	ug/l	100
86) p-Isopropyltoluene	13.28	119	1061666	95.237	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	526161	92.701	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	529225	93.449	ug/l	100
89) n-Butylbenzene	13.61	91	972249	95.060	ug/l	100
90) Hexachloroethane	13.87	117	167740	104.111	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	504528	95.064	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	79979	104.447	ug/l	99

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ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTDICC100

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Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:02:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	325964	87.249	ug/l	99
94) Hexachlorobutadiene	15.01	225	149082	84.055	ug/l	98
95) Naphthalene	15.13	128	981751	91.051	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	308360	87.707	ug/l	100

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

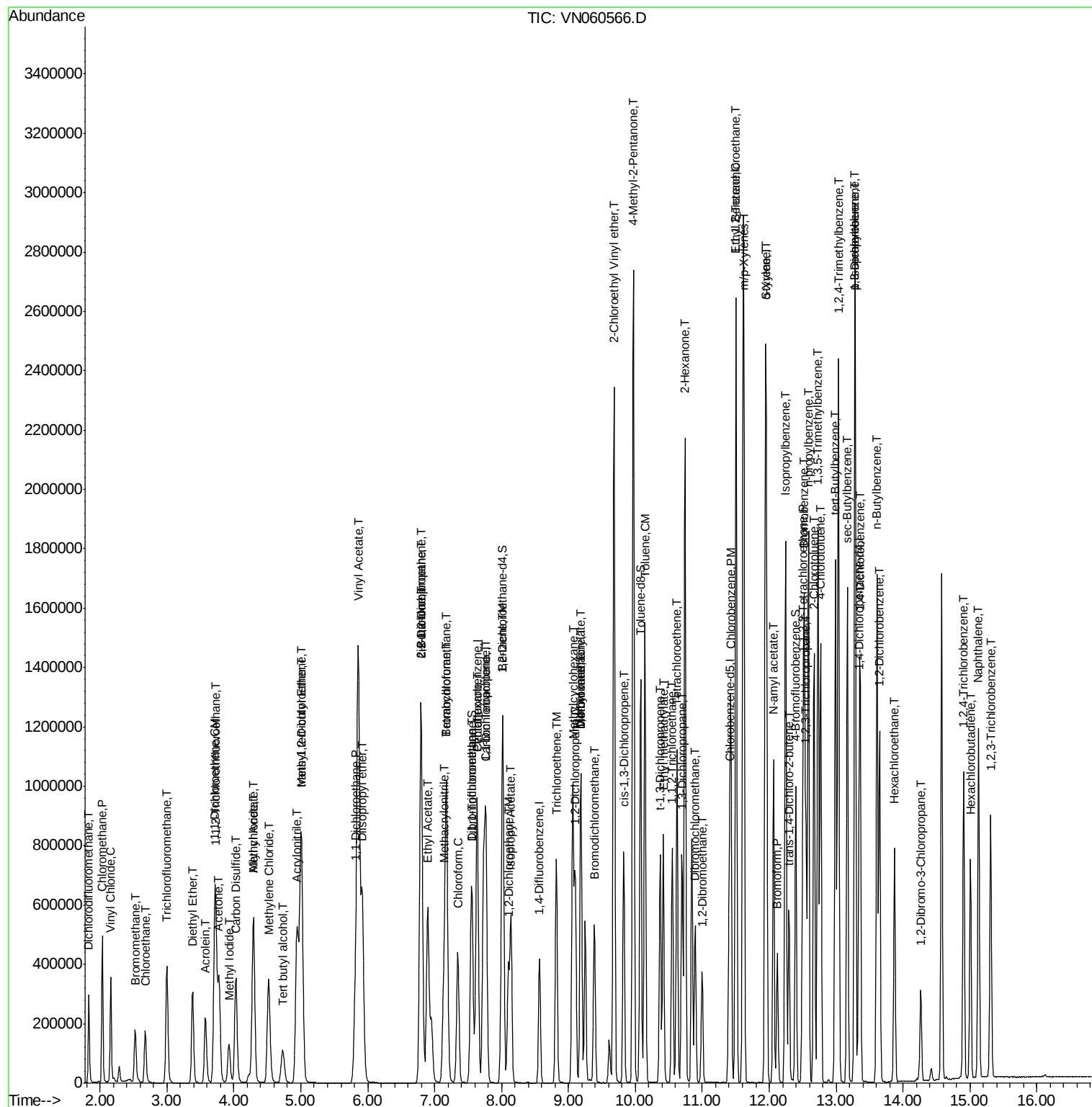
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031820\
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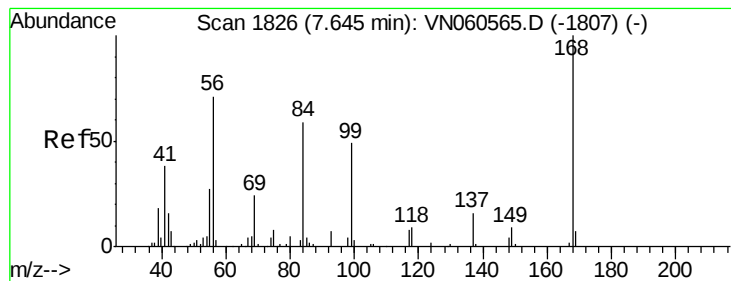
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDICC100

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 219039

Ion Ratio Lower Upper

168 100

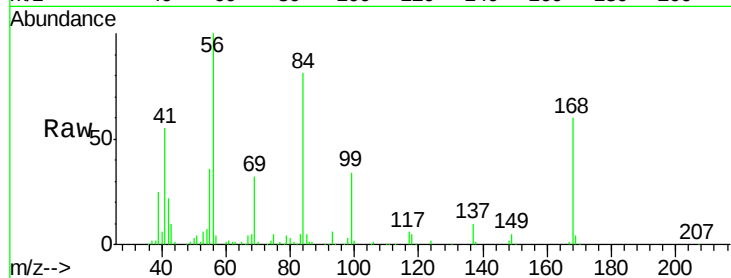
99 57.0 44.0 66.0

Manual Integrations

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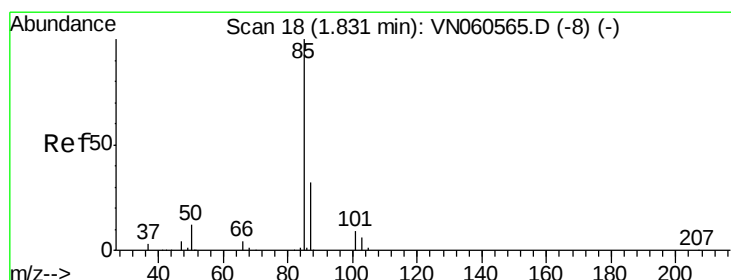
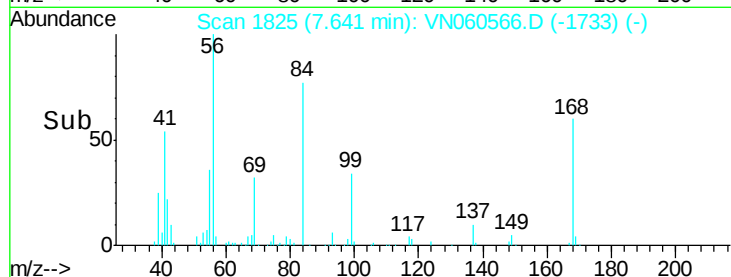
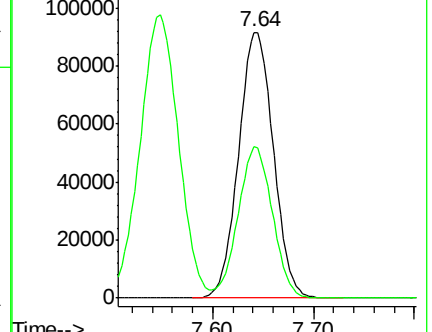
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 108.353 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060566.D

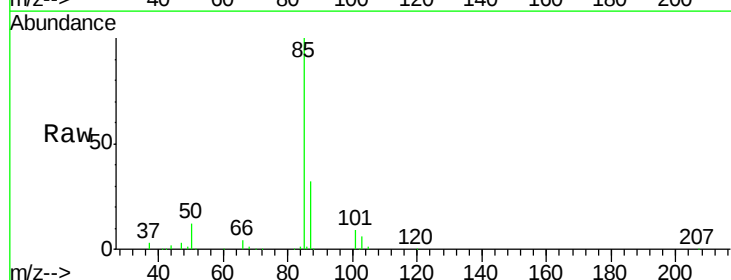
Acq: 17 Mar 2020 19:35

Tgt Ion: 85 Resp: 222080

Ion Ratio Lower Upper

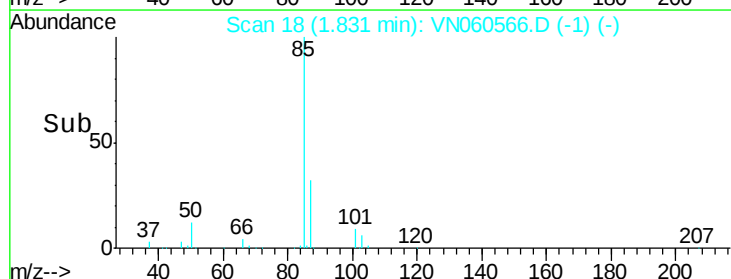
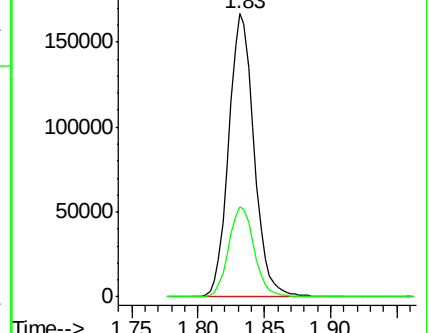
85 100

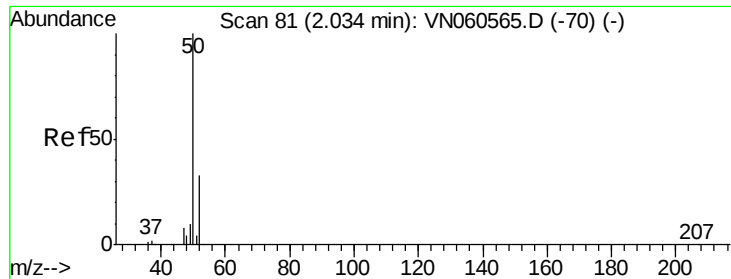
87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 108.244 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 390174

Ion Ratio Lower Upper

50 100

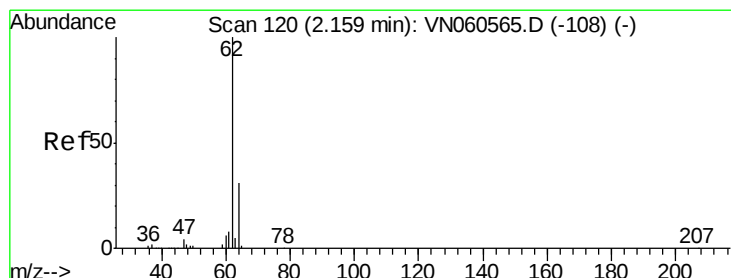
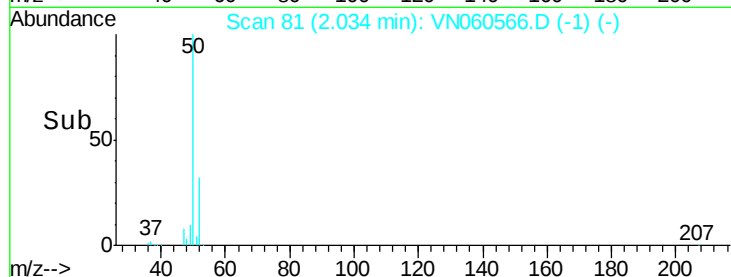
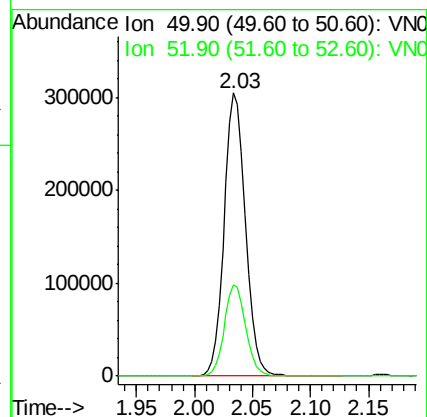
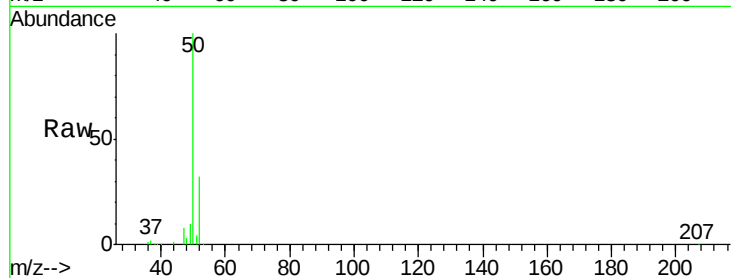
52 32.5 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 103.575 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN060566.D

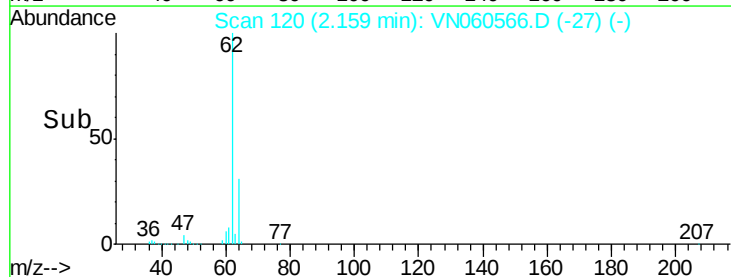
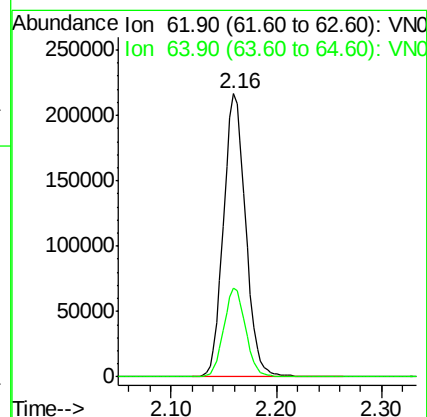
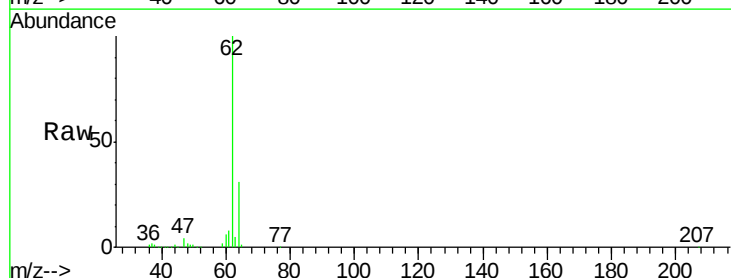
Acq: 17 Mar 2020 19:35

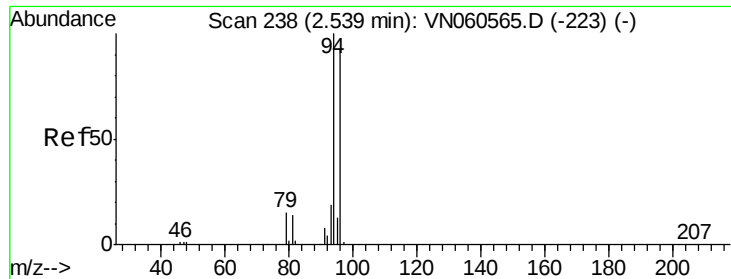
Tgt Ion: 62 Resp: 315004

Ion Ratio Lower Upper

62 100

64 31.2 24.7 37.1





#5

Bromomethane

Concen: 99.642 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

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Tot Ion: 94 Resp: 134001

Ion Ratio Lower Upper

94 100

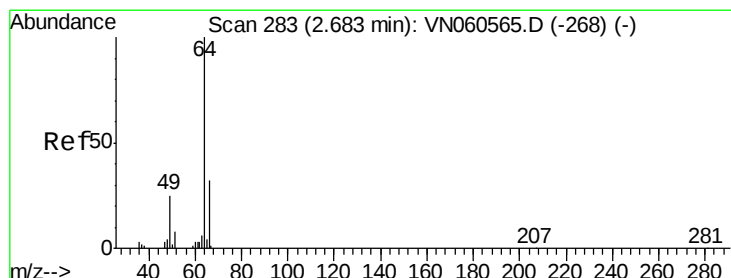
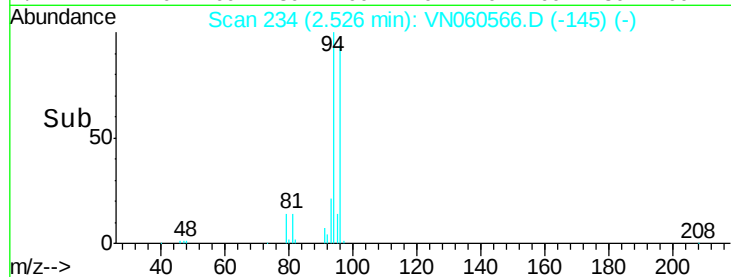
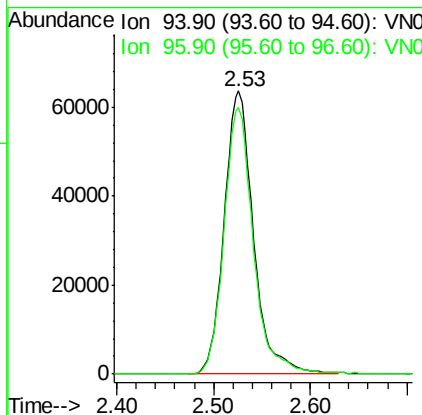
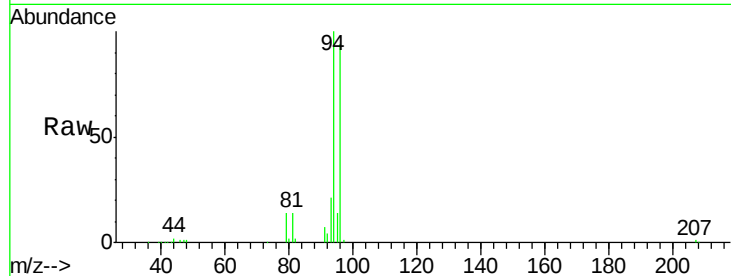
96 94.3 74.6 112.0

Manual Integrations

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3/18/2020 7:00:41 PM



#6

Chloroethane

Concen: 108.195 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN060566.D

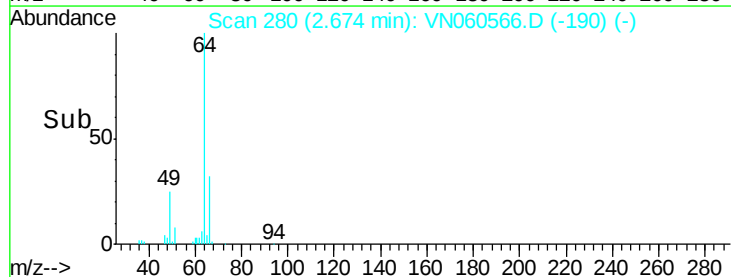
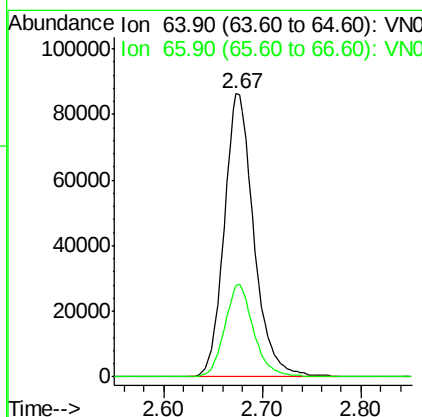
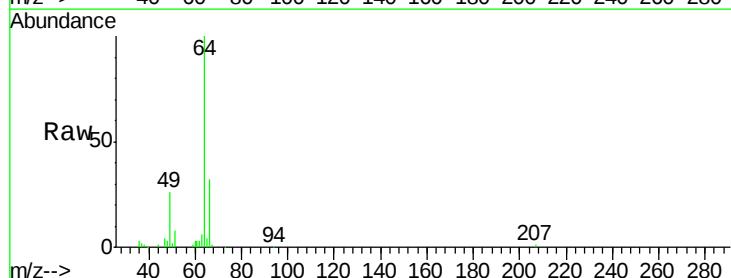
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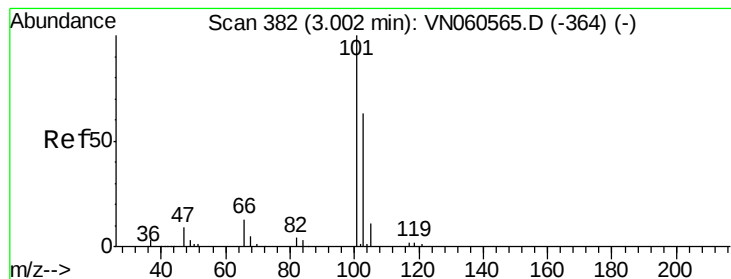
Tgt Ion: 64 Resp: 181456

Ion Ratio Lower Upper

64 100

66 32.2 25.3 37.9





#7

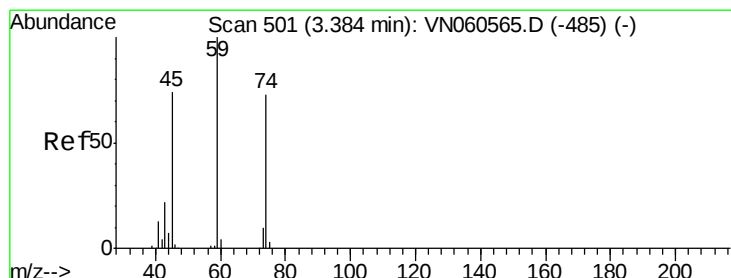
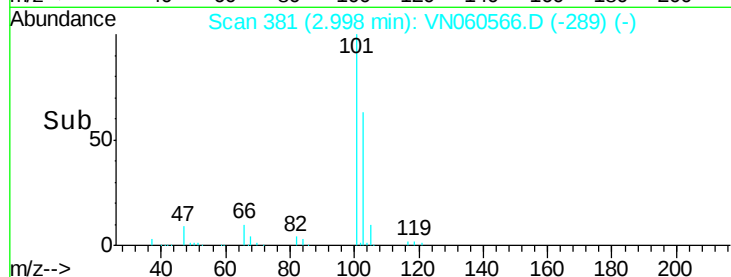
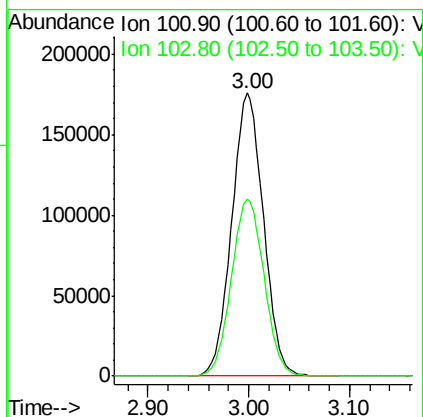
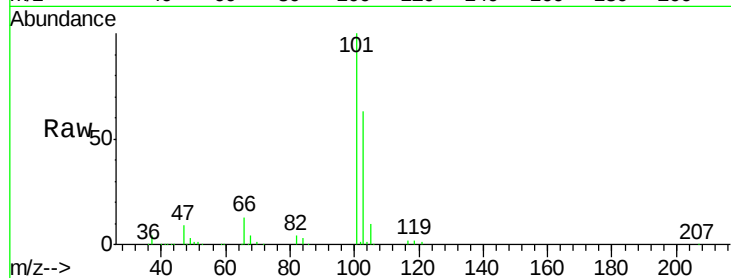
Trichlorofluoromethane
 Concen: 99.543 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN060566.D
 Acq: 17 Mar 2020 19:35

Instrument :
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 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		384327		
103	62.7	50.6	76.0		

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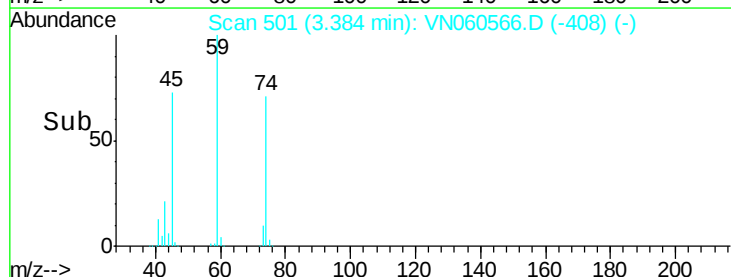
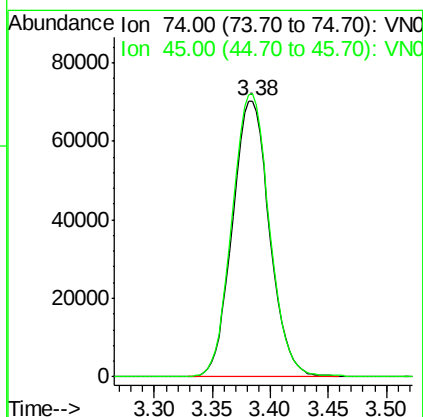
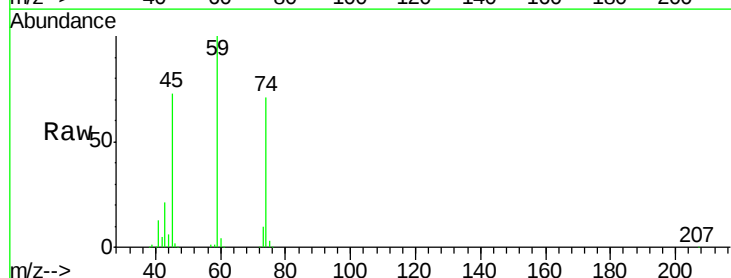
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 3/18/2020 7:00:41 PM



#8

Diethyl Ether
 Concen: 105.870 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060566.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		155962		
45	103.4	51.3	153.9		





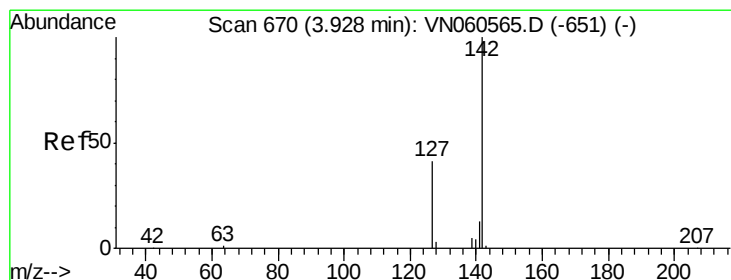
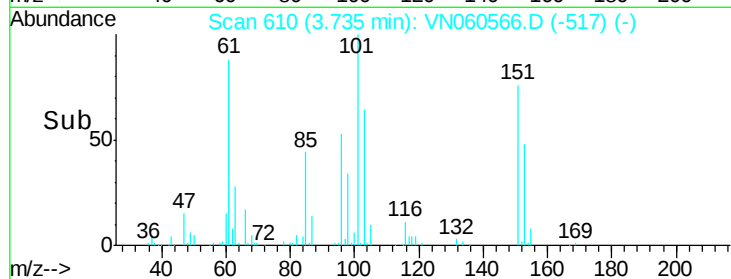
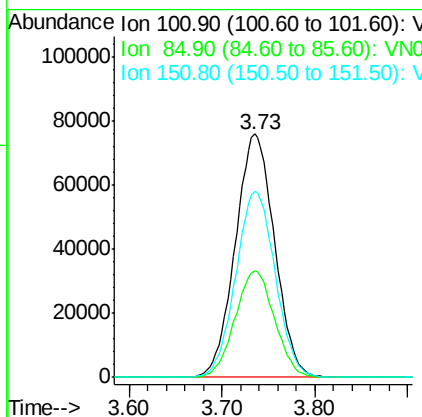
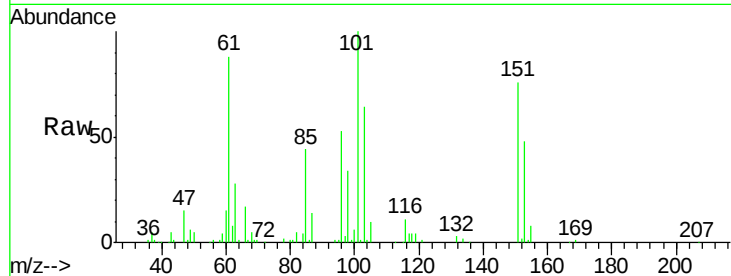
#9
1,1,2-Trichlorotrifluoroethane
Concen: 101.906 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	223311		
85	43.9	35.6	53.4	
151	76.9	61.4	92.2	

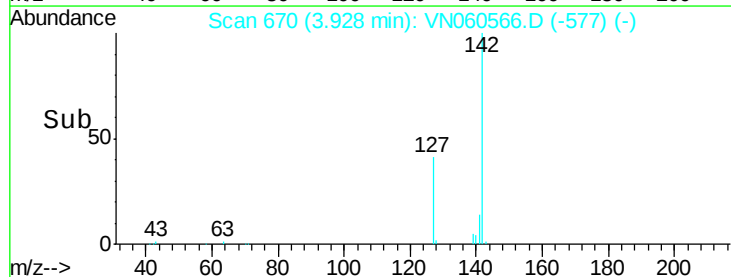
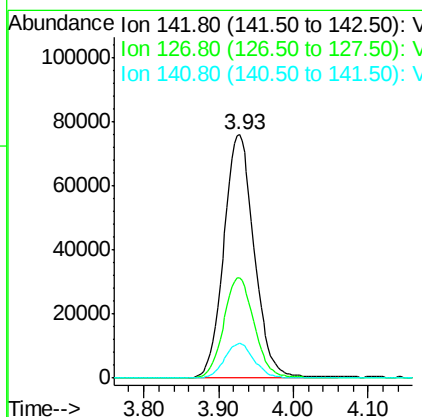
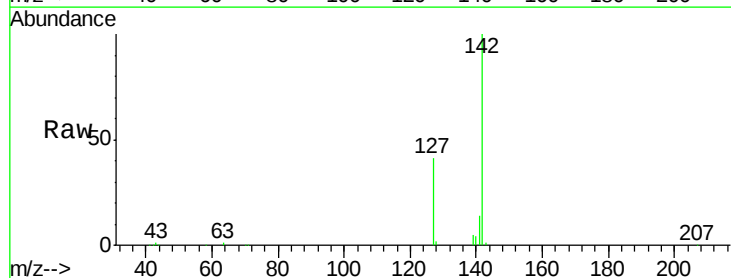
Manual Integrations
APPROVED

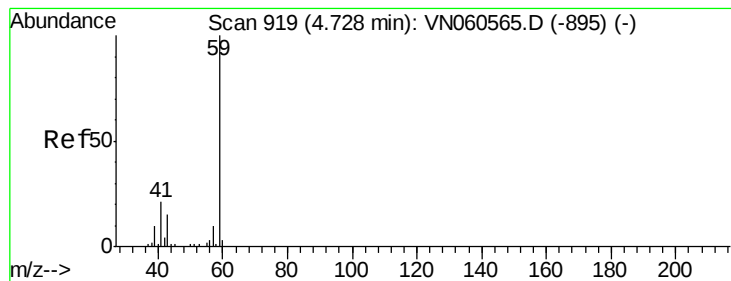
MMDadoda
3/18/2020 7:00:41 PM



#10
Methyl Iodide
Concen: 108.783 ug/l
RT: 3.93 min Scan# 670
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	214853		
127	41.5	33.5	50.3	
141	13.9	11.0	16.6	





#11

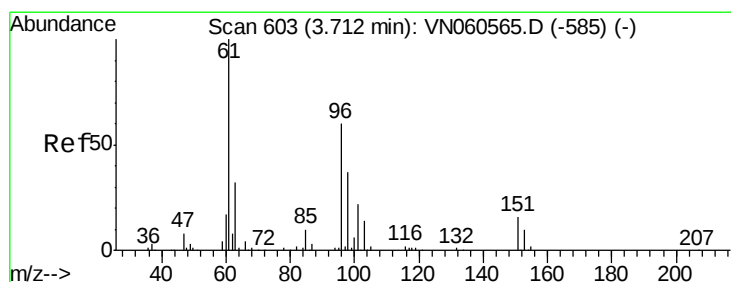
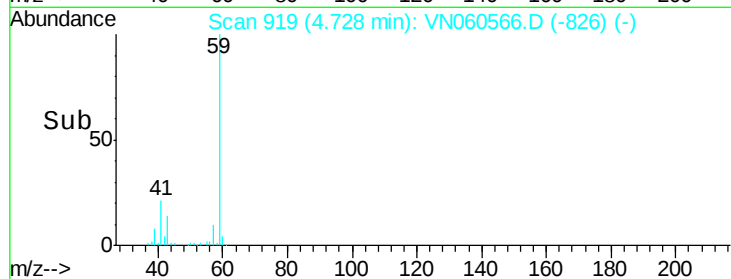
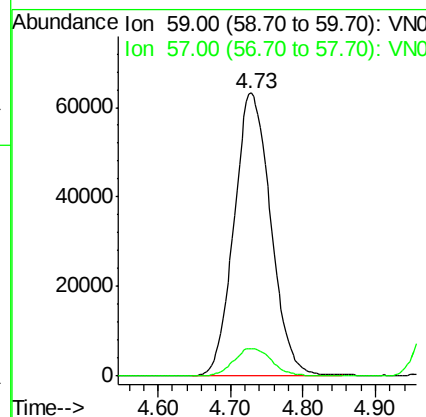
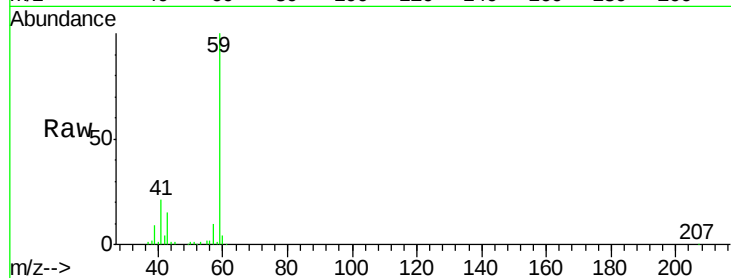
Tert butyl alcohol
Concen: 529.919 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

Manual Integrations
APPROVED

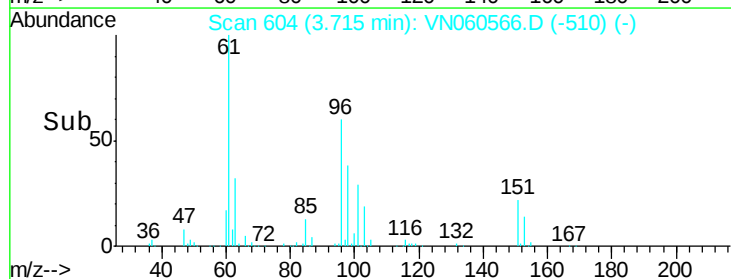
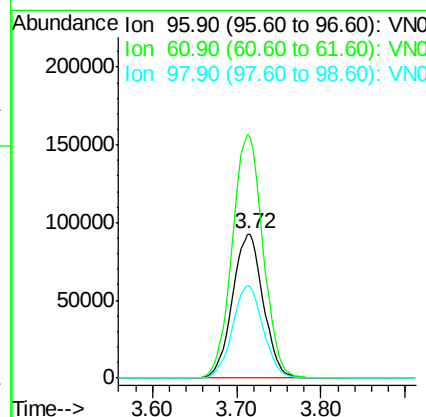
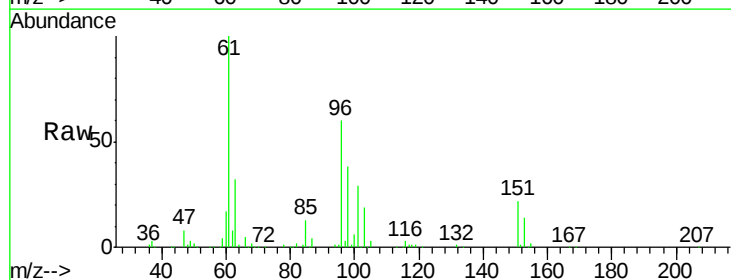
MMDadoda
3/18/2020 7:00:41 PM

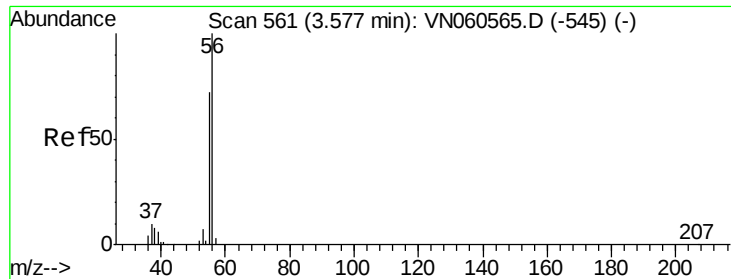


#12

1,1-Dichloroethene
Concen: 100.080 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.8	134.1	201.1
98	63.7	49.9	74.9





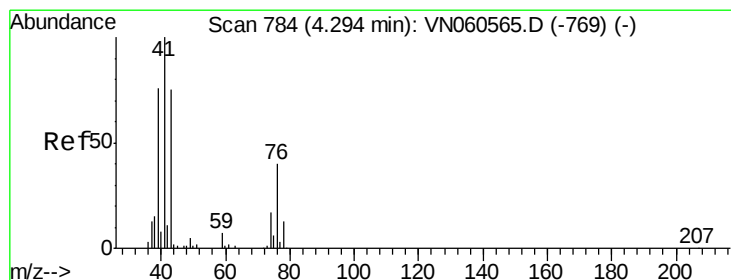
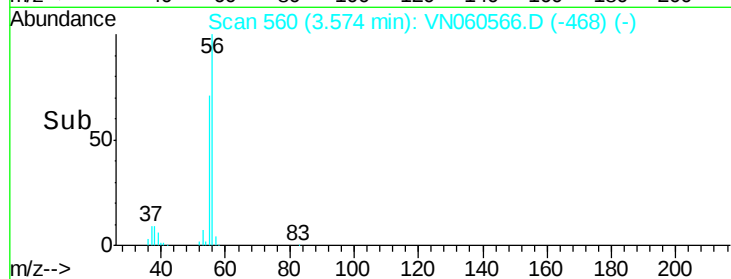
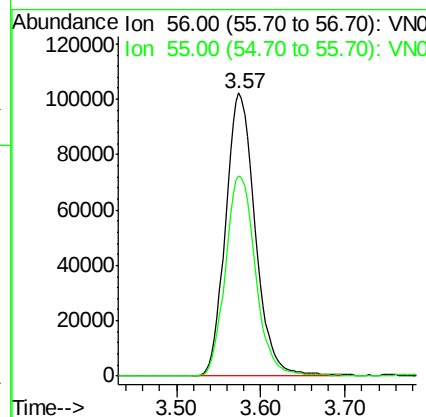
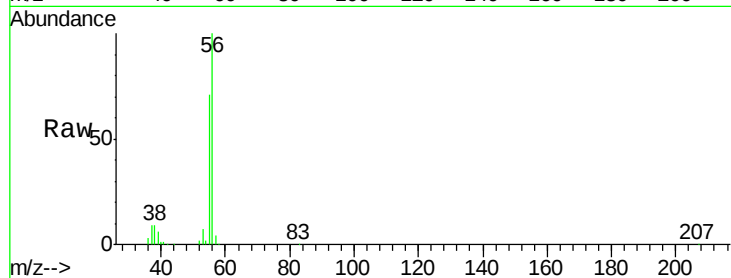
#13
Acrolein
Concen: 617.593 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	56	Resp	249799
Ion Ratio	100	Lower	Upper
56	100		
55	71.8	56.7	85.1

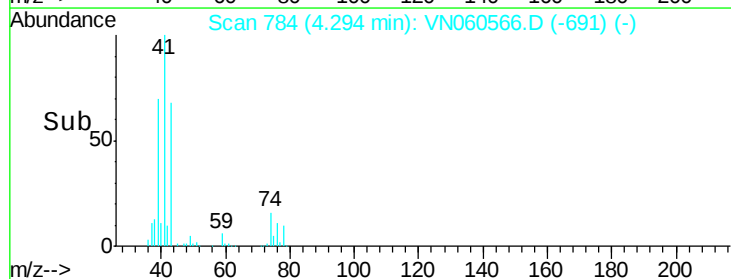
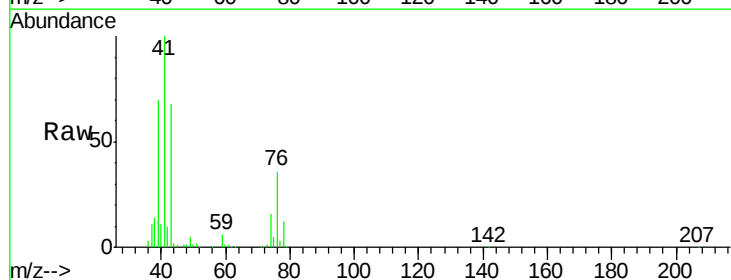
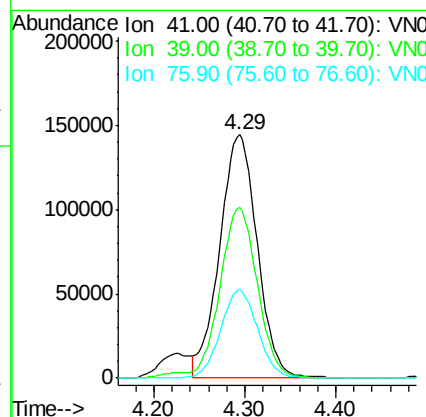
Manual Integrations
APPROVED

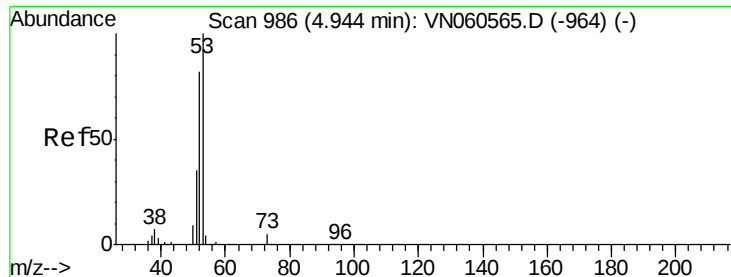
MMDadoda
3/18/2020 7:00:41 PM



#14
Allyl chloride
Concen: 105.415 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion	41	Resp	412693
Ion Ratio	100	Lower	Upper
41	100		
39	71.5	57.8	86.8
76	35.4	28.6	43.0





#15

Acrylonitrile

Concen: 604.767 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Instrument :

MSVOA_N

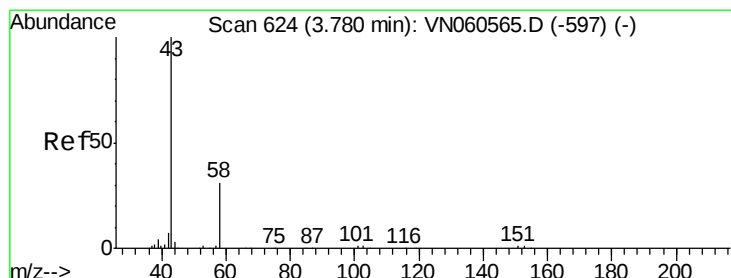
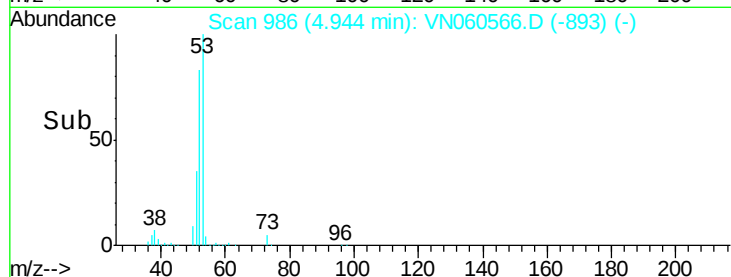
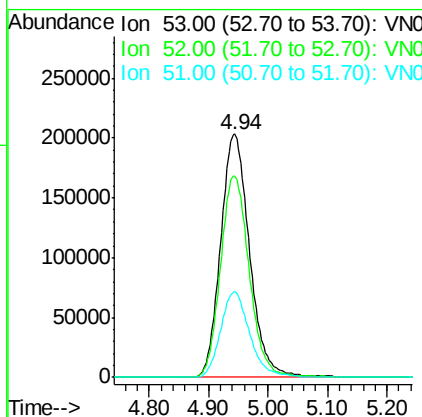
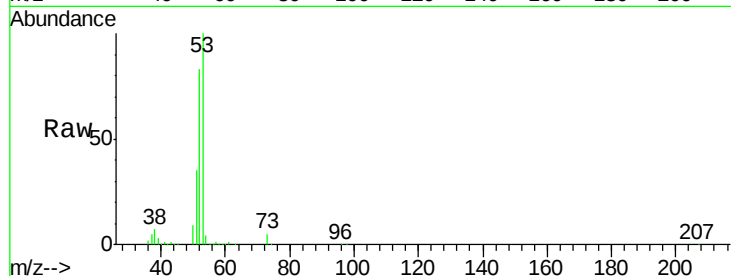
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	684980
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.4
51	35.5	28.7	43.1

Manual Integrations
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3/18/2020 7:00:41 PM



#16

Acetone

Concen: 573.913 ug/l

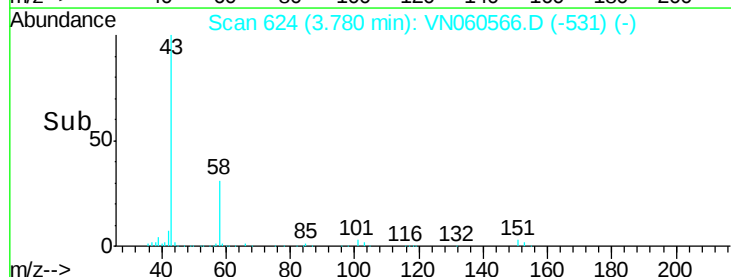
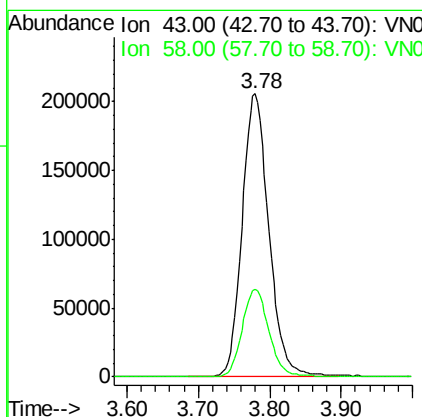
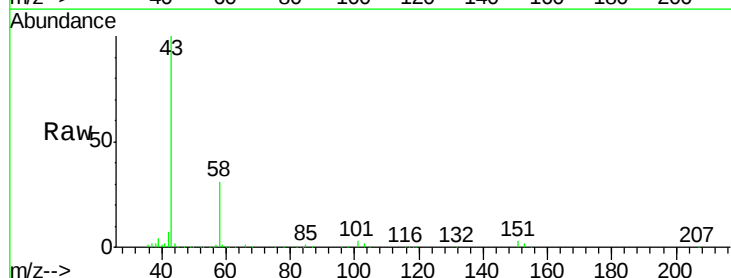
RT: 3.78 min Scan# 624

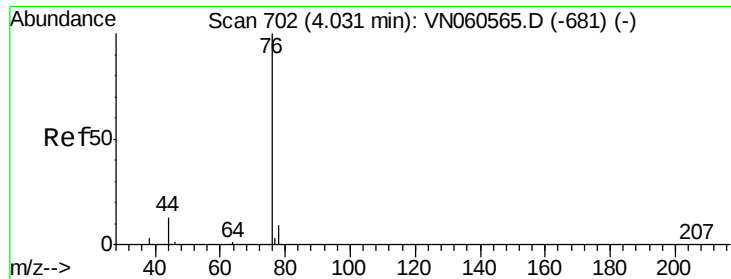
Delta R.T. 0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Tgt Ion:	43	Resp:	537498
Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.1	37.7





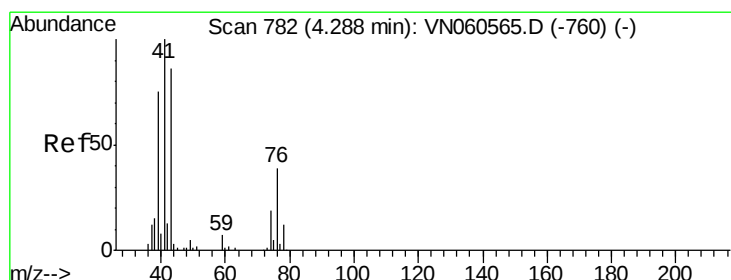
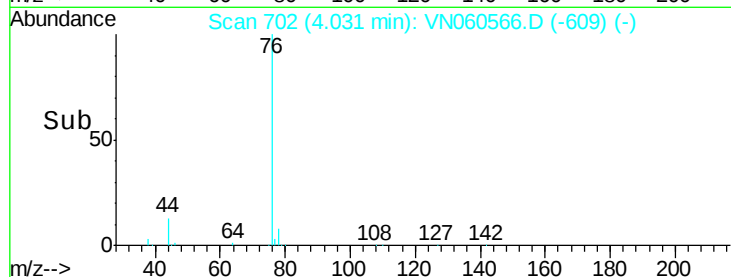
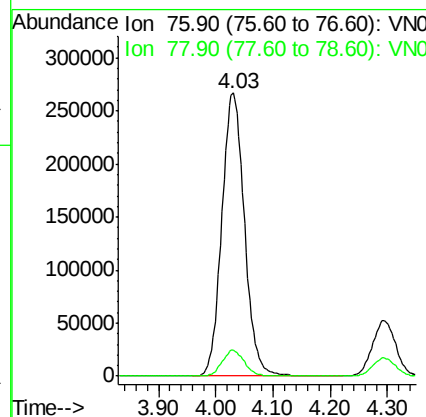
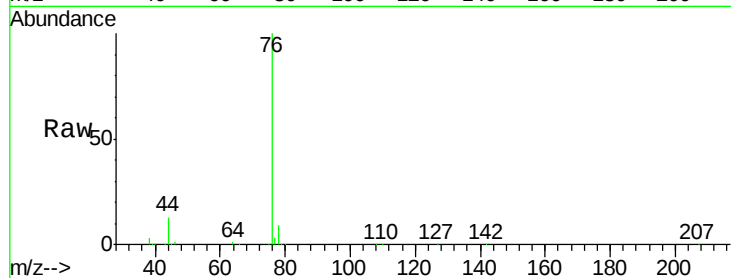
#17
Carbon Disulfide
Concen: 107.973 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

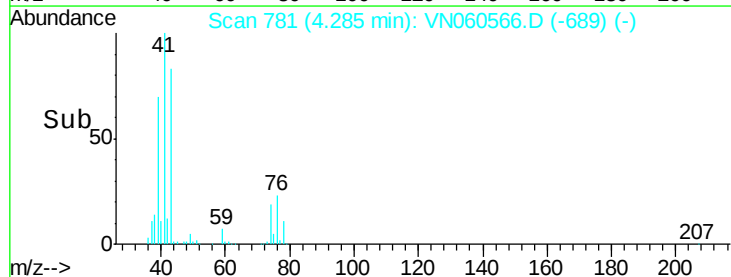
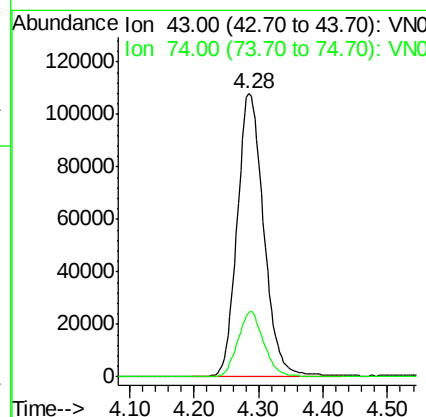
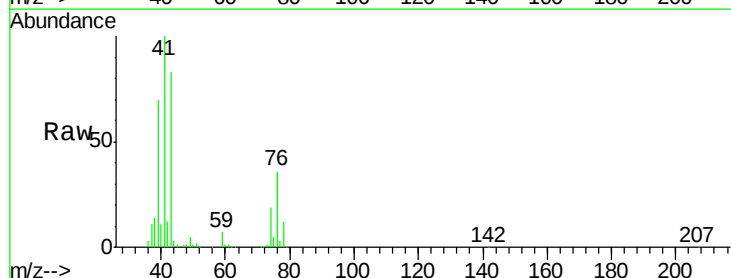
Manual Integrations
APPROVED

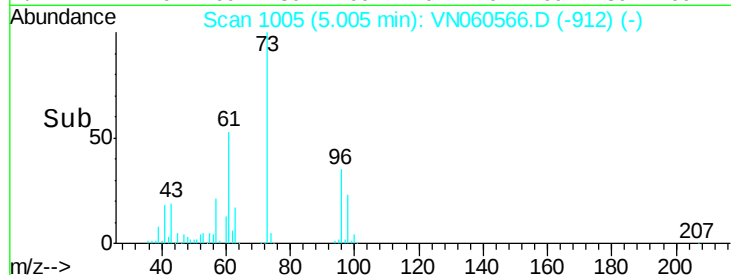
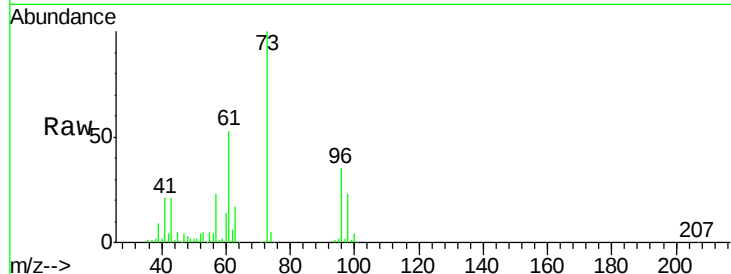
MMDadoda
3/18/2020 7:00:41 PM



#18
Methyl Acetate
Concen: 100.451 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.5	26.3





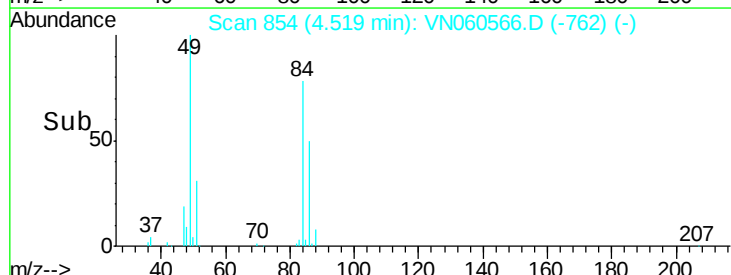
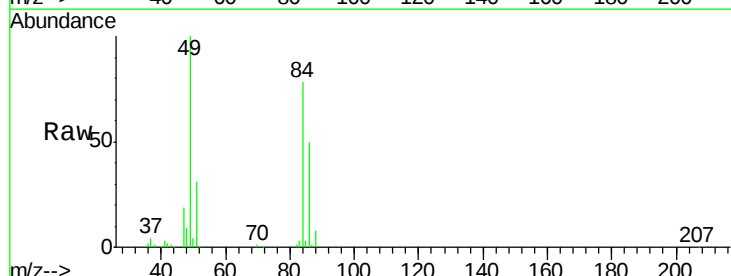
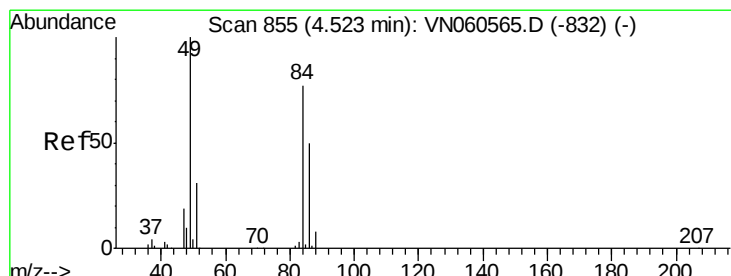
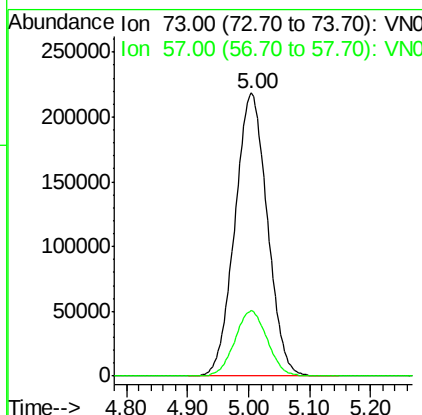
#19
Methvl tert-butvl Ether
Concen: 104.223 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tot Ion: 73 Resp: 807416
Ion Ratio Lower Upper
73 100
57 23.1 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

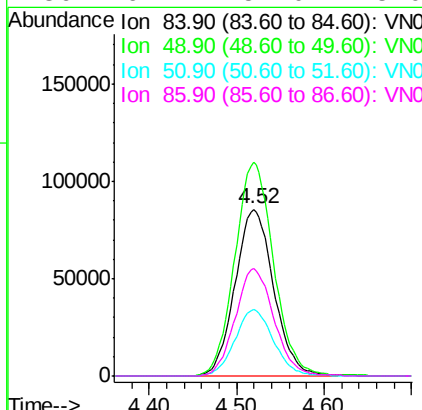
Manual Integrations
APPROVED

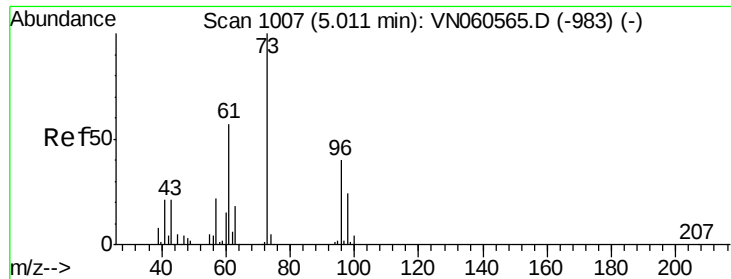
MMDadoda
3/18/2020 7:00:41 PM



#20
Methylene Chloride
Concen: 103.416 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion: 84 Resp: 262685
Ion Ratio Lower Upper
84 100
49 128.2 103.3 154.9
51 39.7 31.6 47.4
86 64.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 95.188 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Instrument :

MSVOA_N

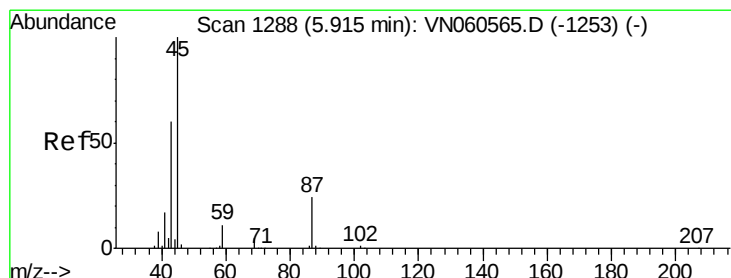
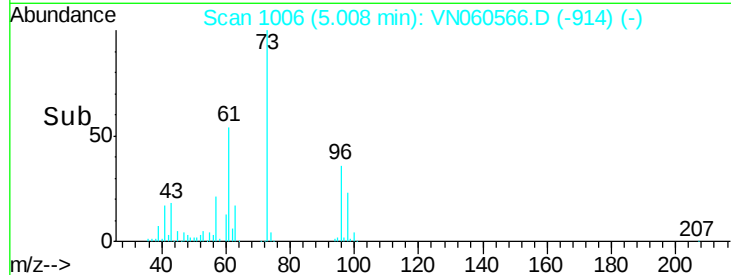
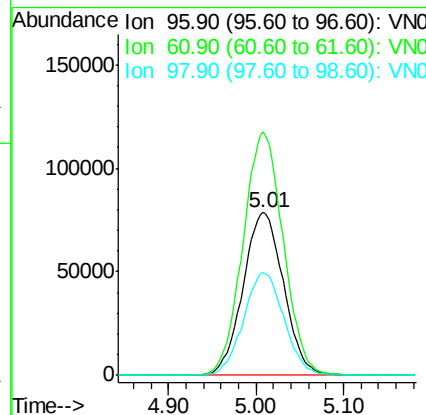
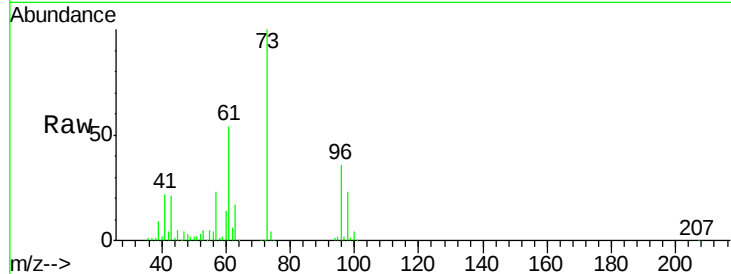
ClientSampled :

VSTDIC100

Tot Ion:	96	Resp:	252454
Ion	Ratio	Lower	Upper
96	100		
61	149.5	114.4	171.6
98	63.1	48.4	72.6

Manual Integrations
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3/18/2020 7:00:41 PM



#22

Diisopropyl ether

Concen: 112.085 ug/l

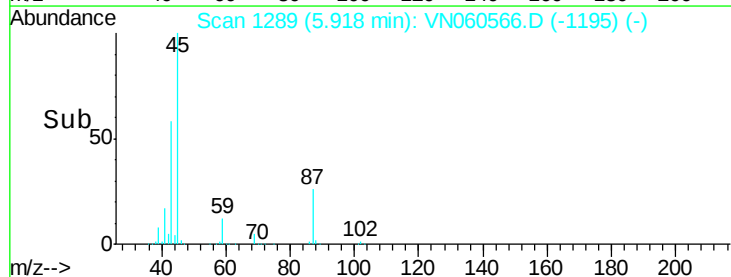
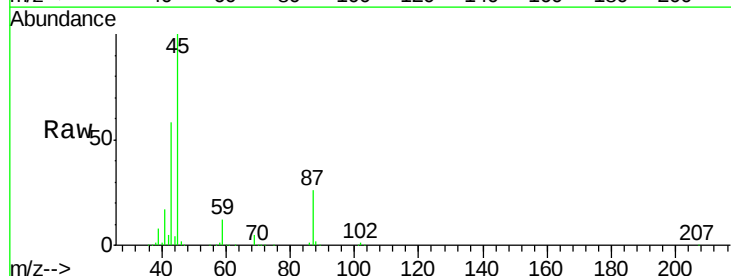
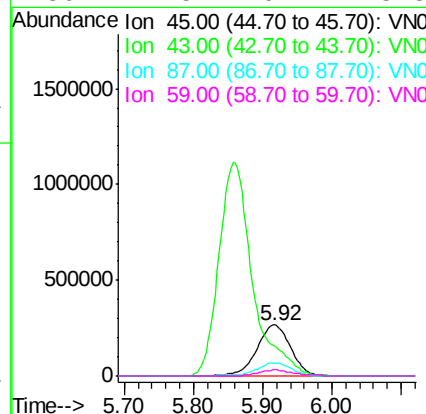
RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Tgt Ion:	45	Resp:	904720
Ion	Ratio	Lower	Upper
45	100		
43	56.9	49.8	74.8
87	26.2	20.1	30.1
59	11.5	9.2	13.8





#23

Vinyl Acetate

Concen: 588.058 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3776456

Ion Ratio Lower Upper

43 100

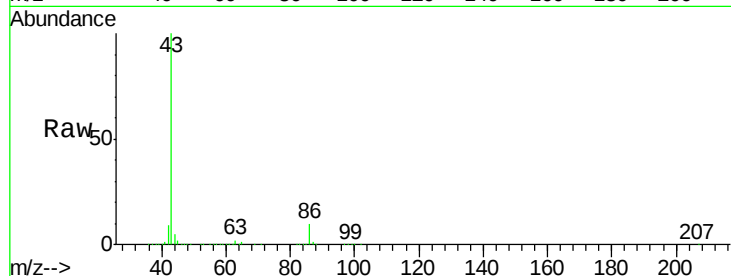
86 9.8 7.6 11.4

Manual Integrations

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MMDadoda

3/18/2020 7:00:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VN060566.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060566.D (-1178) (-)

1200000

1000000

800000

600000

400000

200000

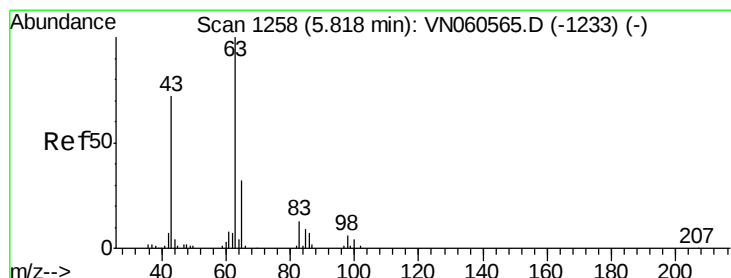
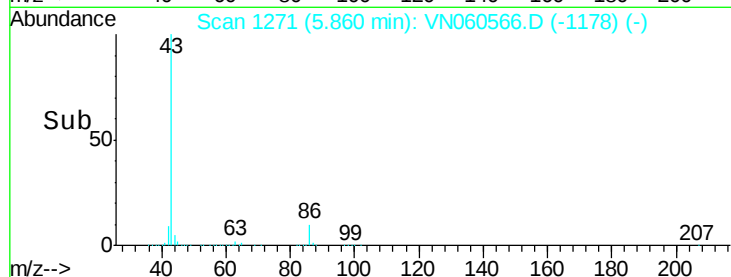
0

5.80

5.86

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 107.501 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

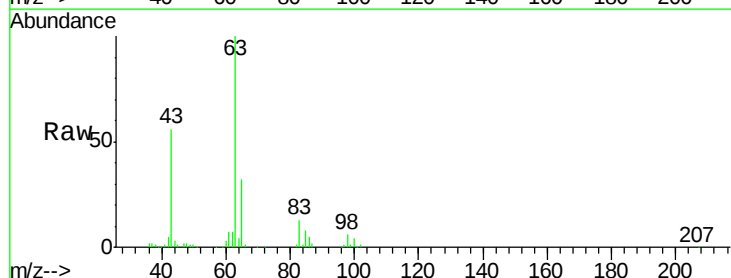
Tgt Ion: 63 Resp: 487380

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.7

100 3.8 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060566.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060566.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060566.D (-1165) (-)

200000

150000

100000

50000

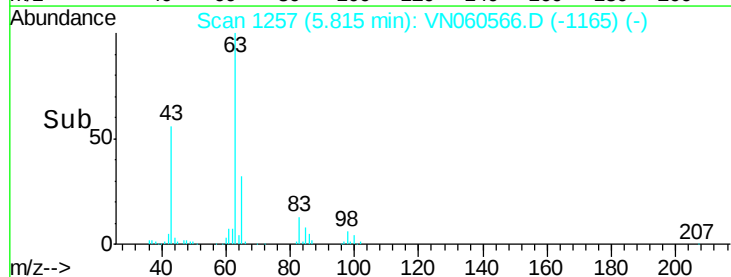
0

5.70

5.82

5.90

Time-->





#25

2-Butanone

Concen: 600.398 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 907979

Ion Ratio Lower Upper

43 100

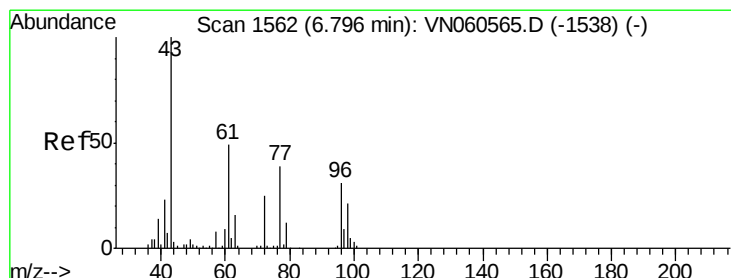
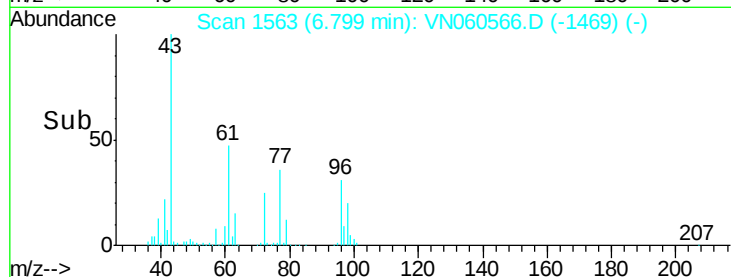
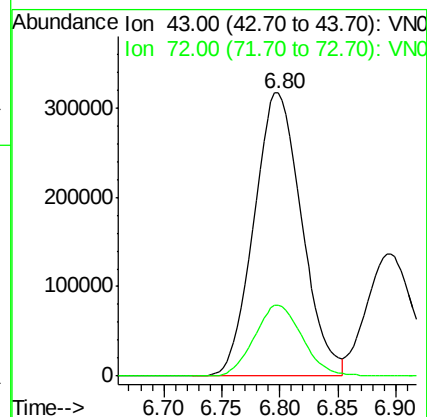
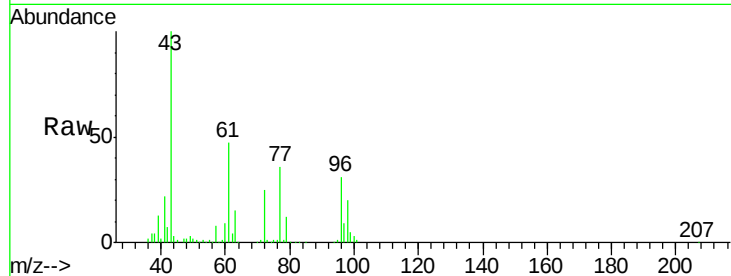
72 25.2 20.4 30.6

Manual Integrations

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MMDadoda

3/18/2020 7:00:41 PM



#26

2,2-Dichloropropane

Concen: 92.470 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060566.D

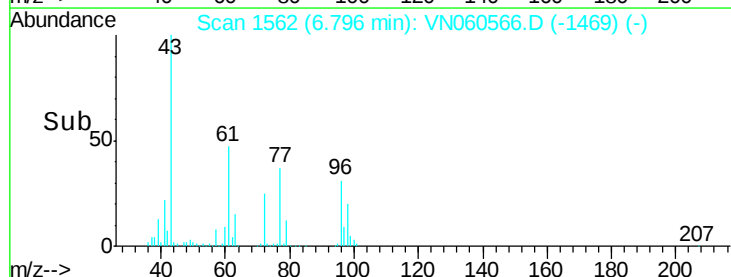
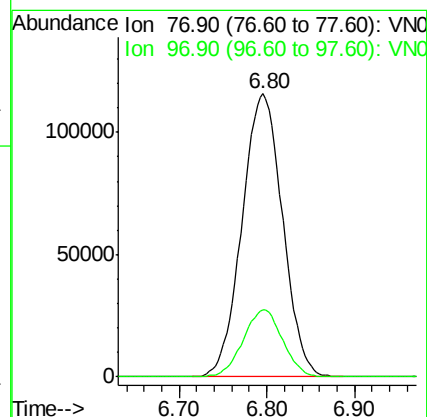
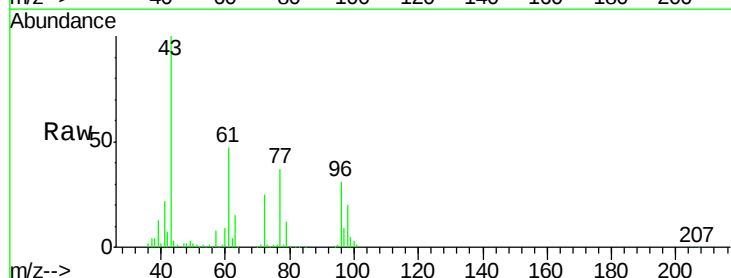
Acq: 17 Mar 2020 19:35

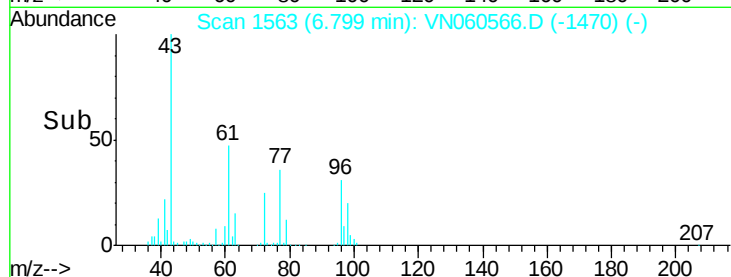
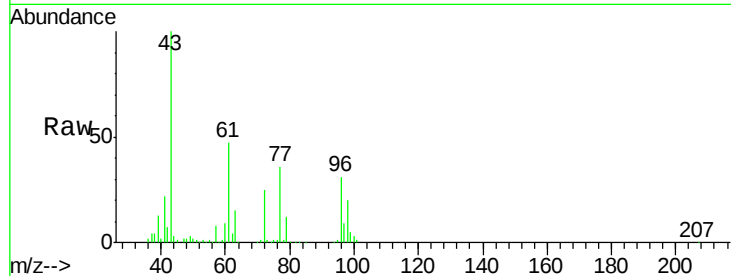
Tgt Ion: 77 Resp: 371914

Ion Ratio Lower Upper

77 100

97 23.1 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 98.570 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060566.D

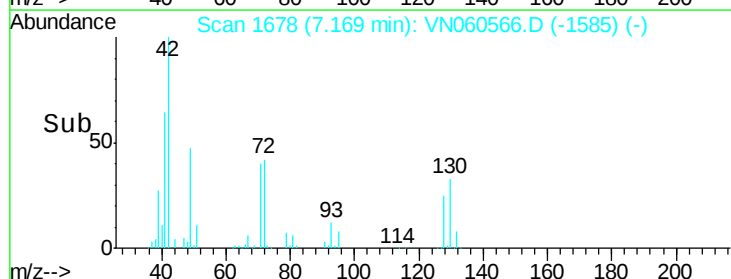
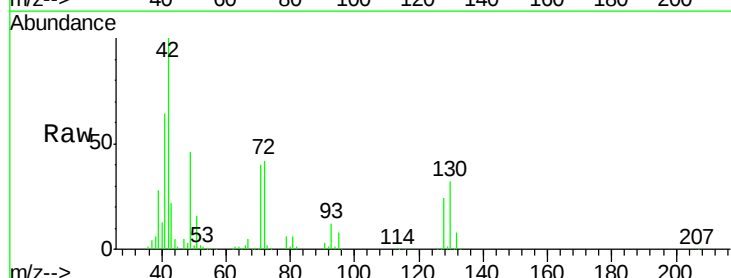
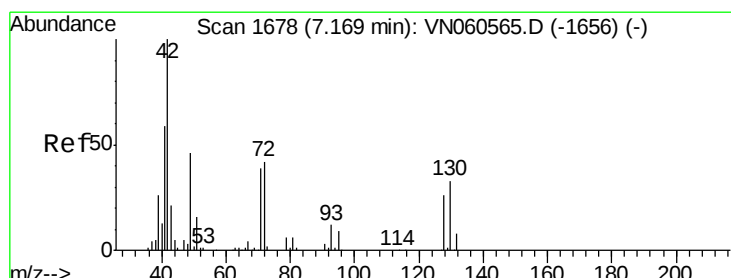
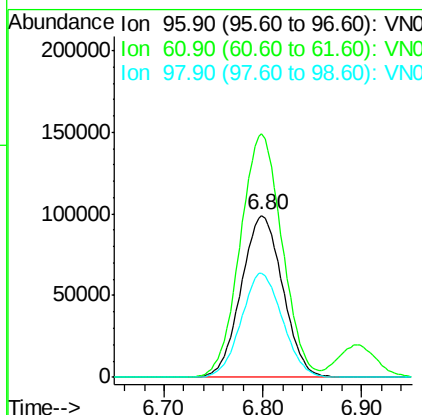
Acq: 17 Mar 2020 19:35

Tot Ion	Ratio	Resp	Lower	Upper
96	100	288456		
61	151.9		0.0	305.6
98	64.3		0.0	127.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

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#28

Bromochloromethane

Concen: 123.156 ug/l

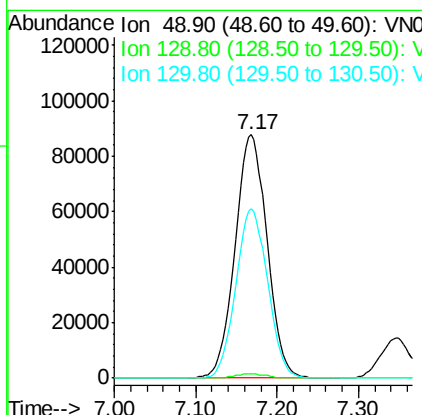
RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	238628		
129	1.8		0.0	3.4
130	69.0		55.0	82.4





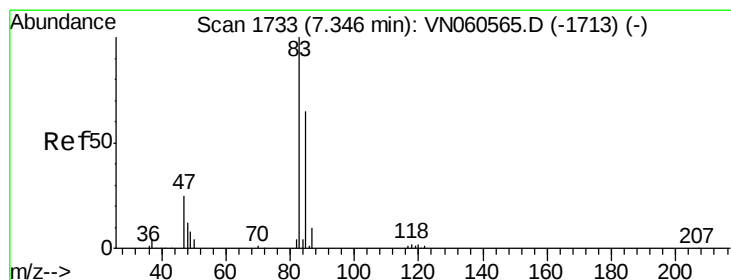
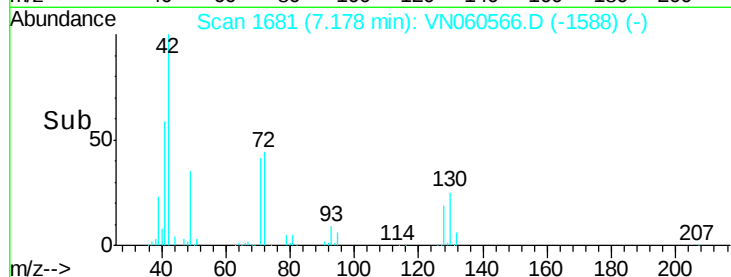
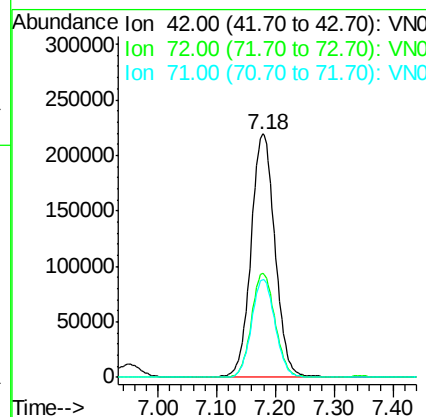
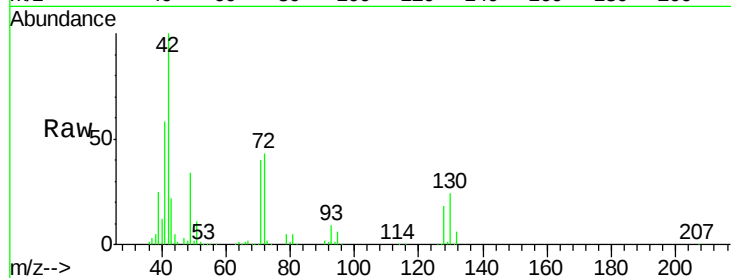
#29
Tetrahydrofuran
Concen: 589.011 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.2	49.8
71	39.5	31.1	46.7

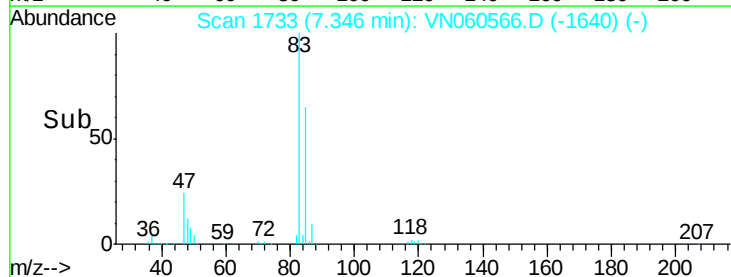
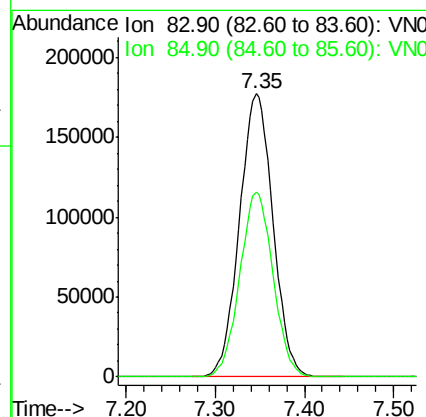
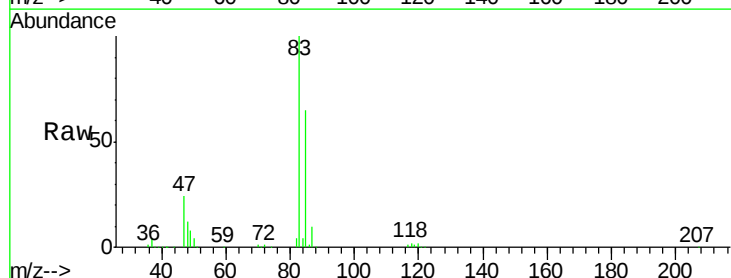
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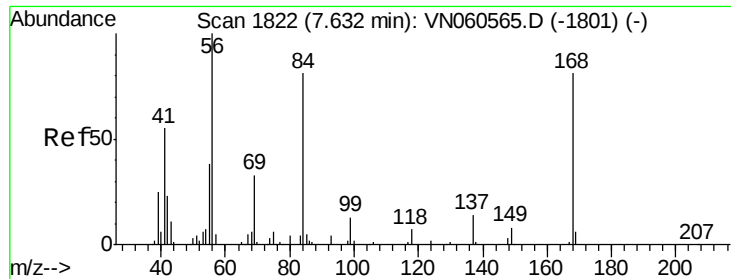
MMDadoda
3/18/2020 7:00:41 PM



#30
Chloroform
Concen: 103.184 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.8





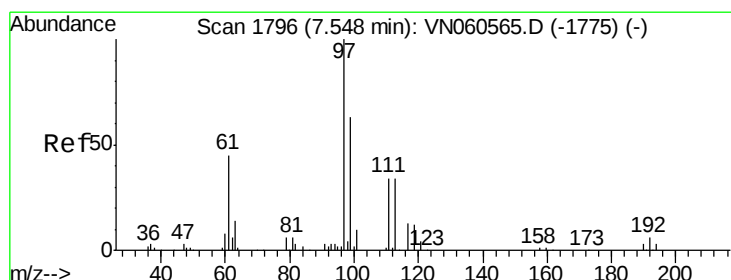
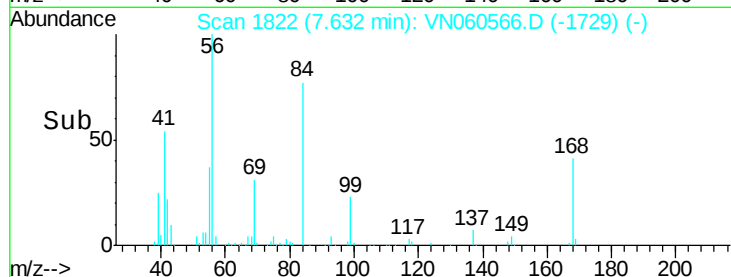
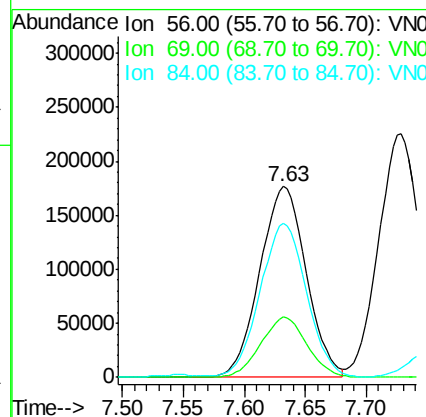
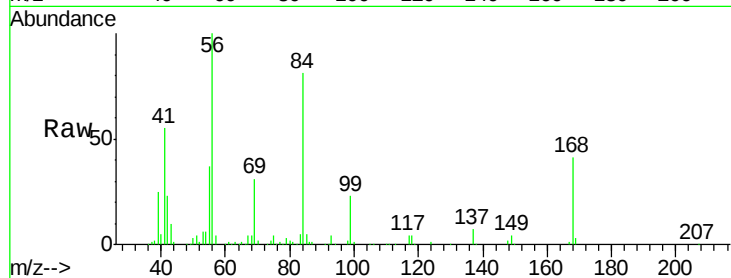
#31
Cyclohexane
Concen: 108.730 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	26.6	40.0
84	79.5	64.3	96.5

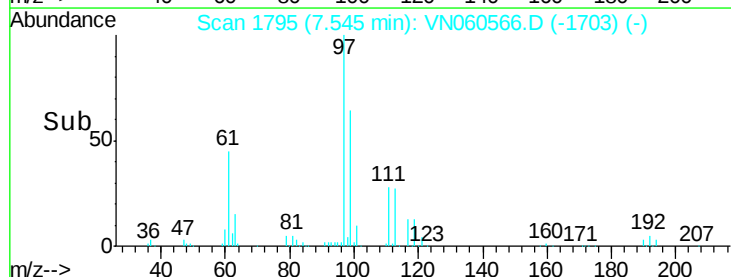
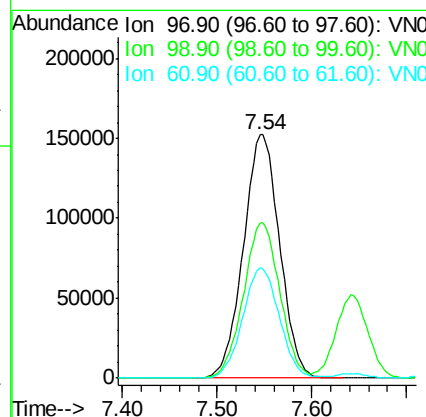
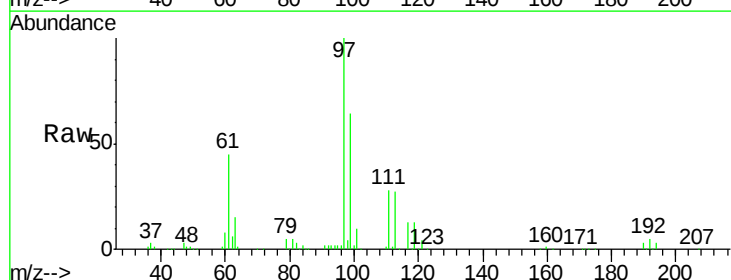
Manual Integrations
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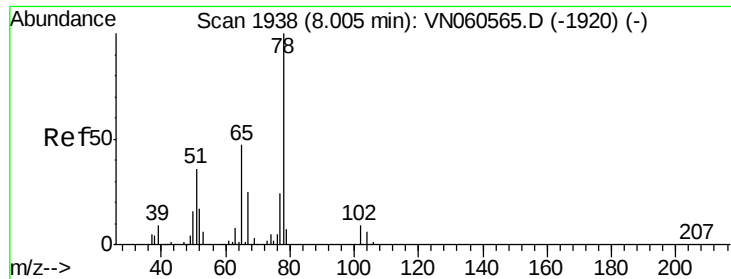
MMDadoda
3/18/2020 7:00:41 PM



#32
1,1,1-Trichloroethane
Concen: 102.261 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	75.8
61	45.6	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 104.917 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 302240

Ion Ratio Lower Upper

65 100

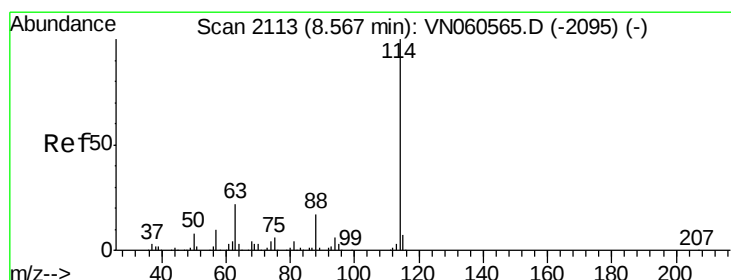
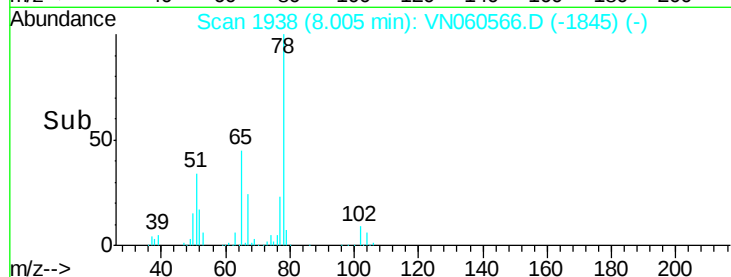
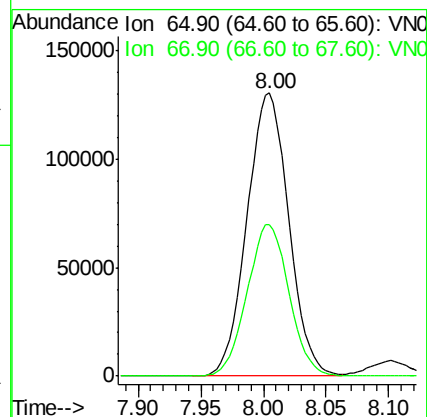
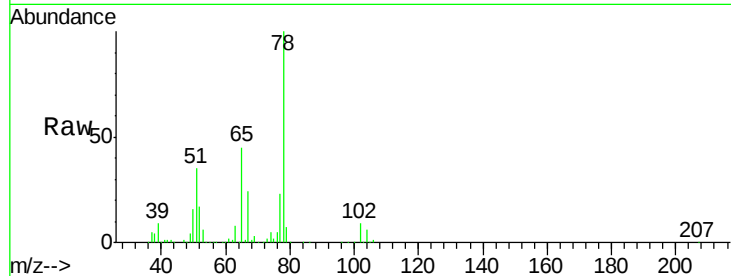
67 53.7 0.0 107.6

Manual Integrations

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3/18/2020 7:00:41 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

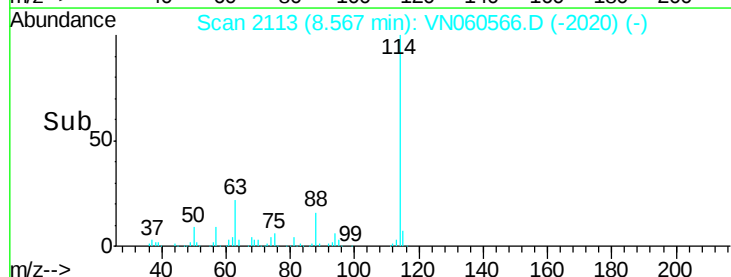
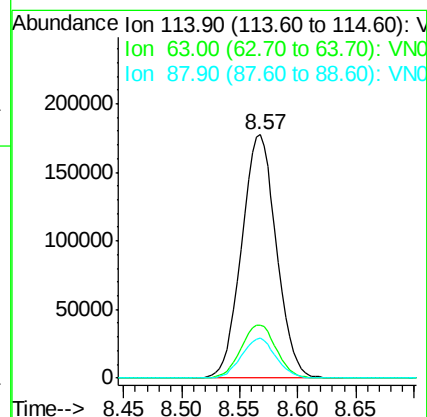
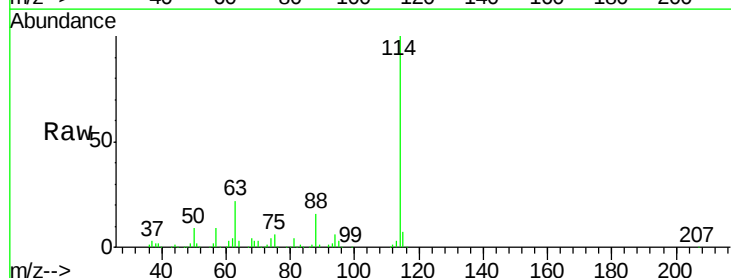
Tgt Ion: 114 Resp: 369396

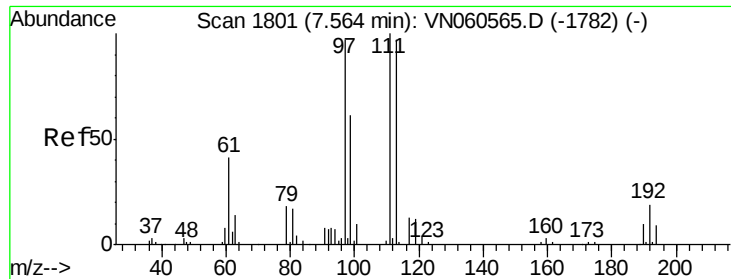
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.8

88 16.3 0.0 33.0





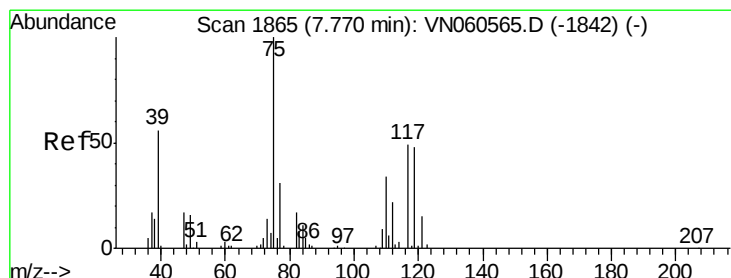
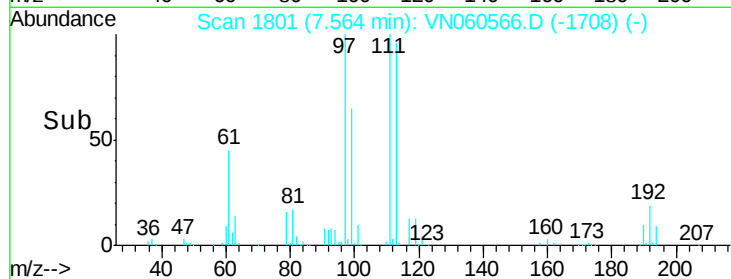
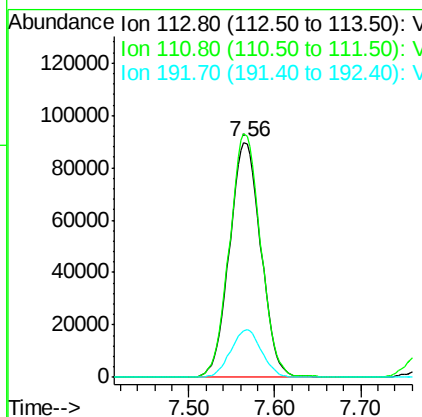
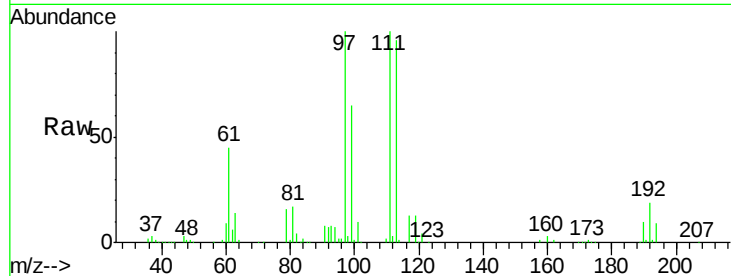
#35
 Dibromofluoromethane
 Concen: 124.118 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060566.D
 Acq: 17 Mar 2020 19:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	227261		
111	103.2	82.9	124.3	
192	20.0	15.8	23.8	

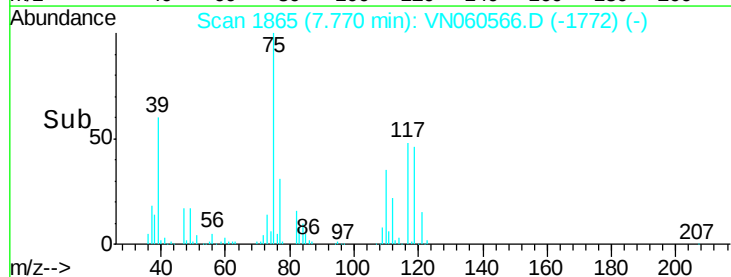
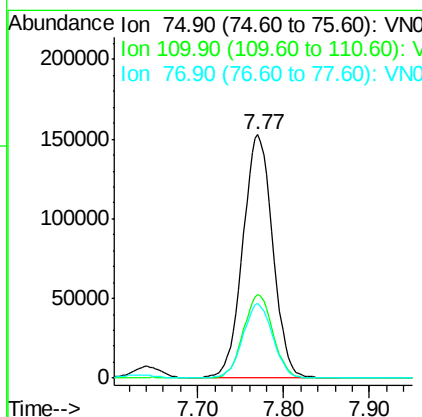
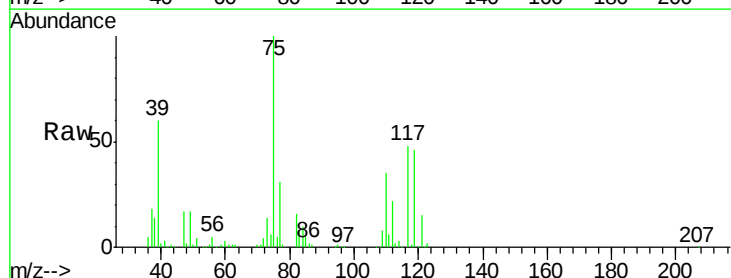
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 102.808 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060566.D
 Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	368356		
110	33.9	16.9	50.6	
77	30.9	24.6	36.8	





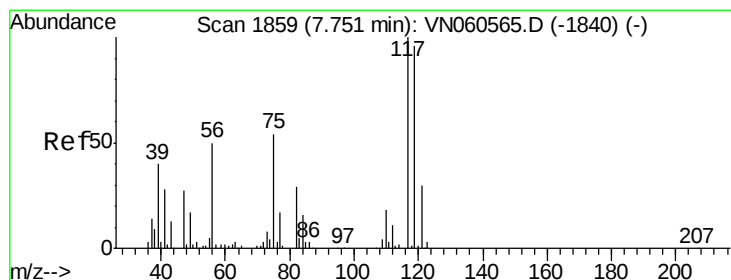
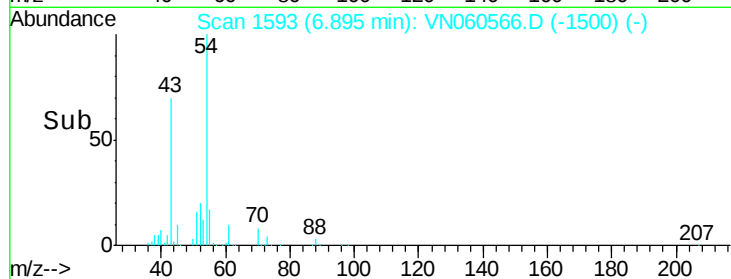
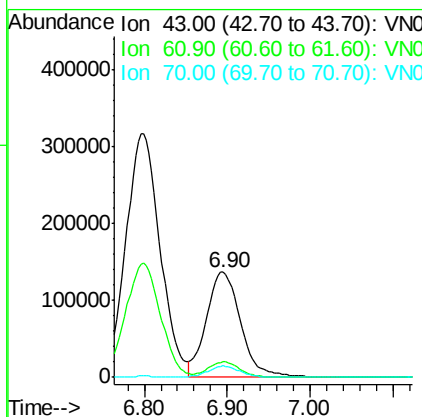
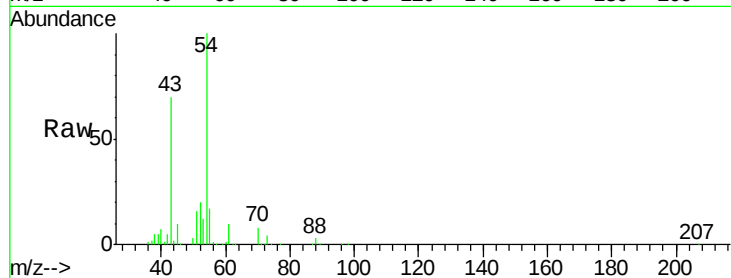
#37
Ethyl Acetate
Concen: 114.966 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.6	15.8
70	10.2	7.9	11.9

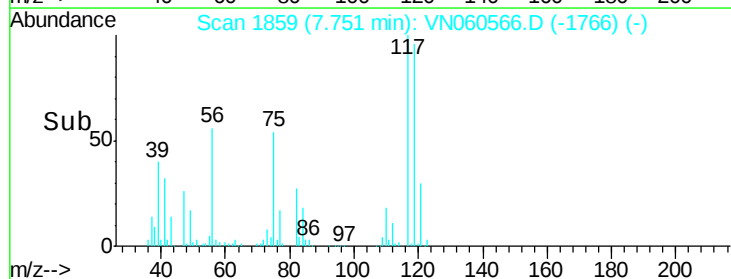
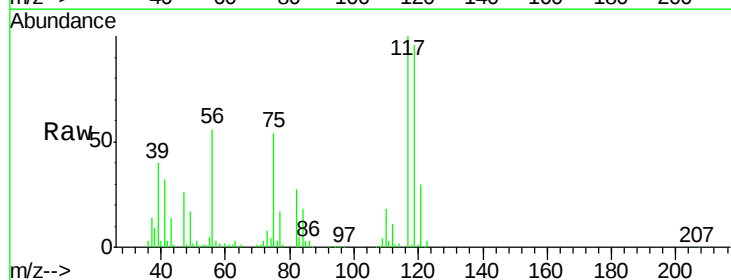
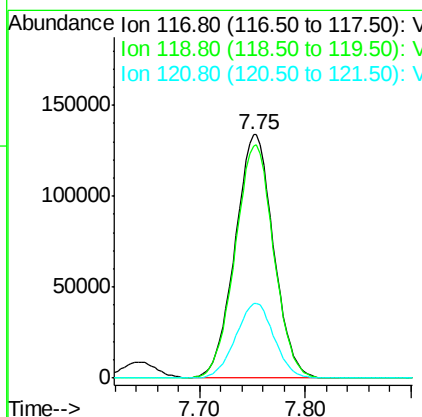
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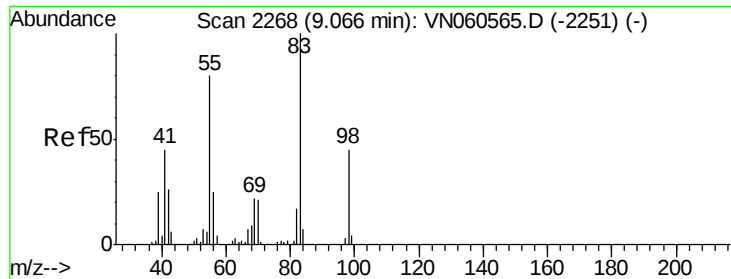
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#38
Carbon Tetrachloride
Concen: 99.139 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.2	114.2
121	30.5	23.7	35.5





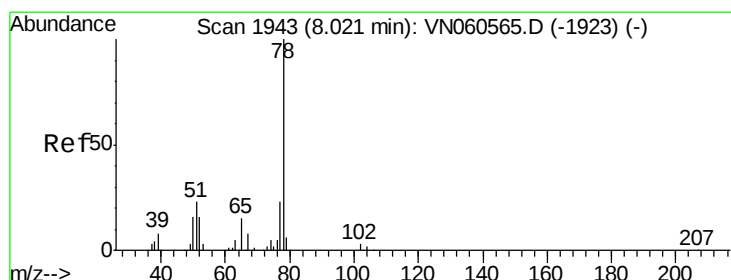
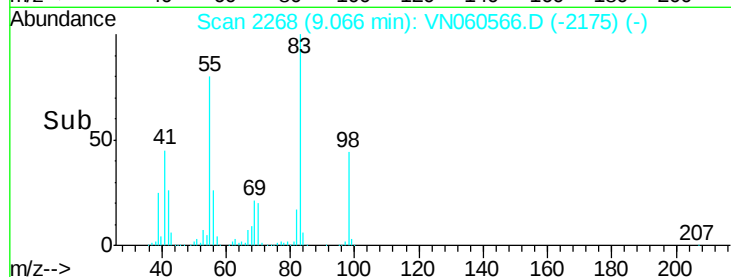
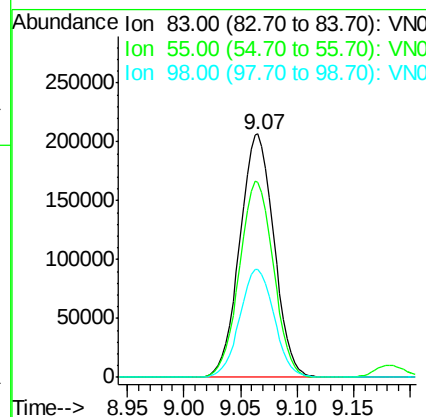
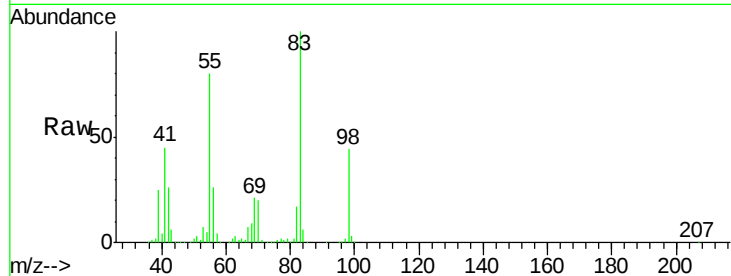
#39
Methvlcvclohexane
Concen: 103.182 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	435519		
55	80.3		63.6	95.4
98	44.3		36.0	54.0

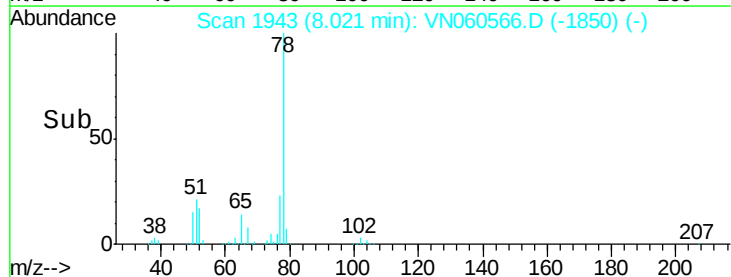
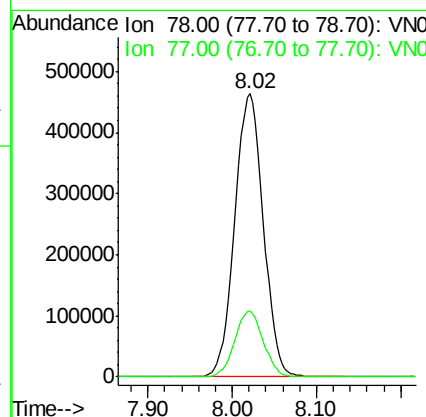
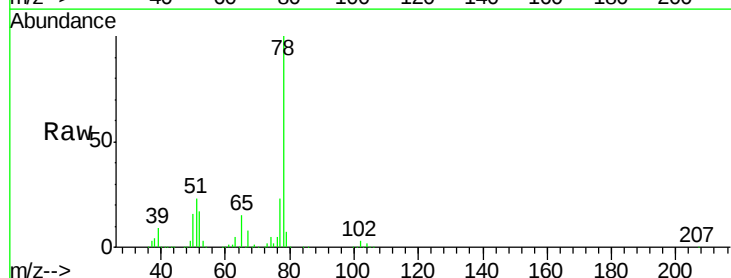
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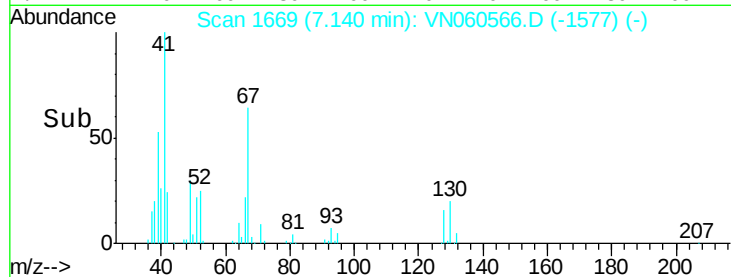
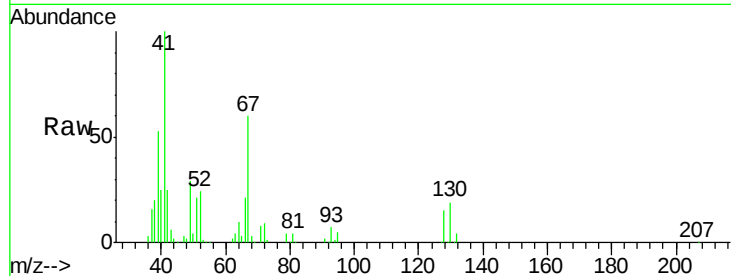
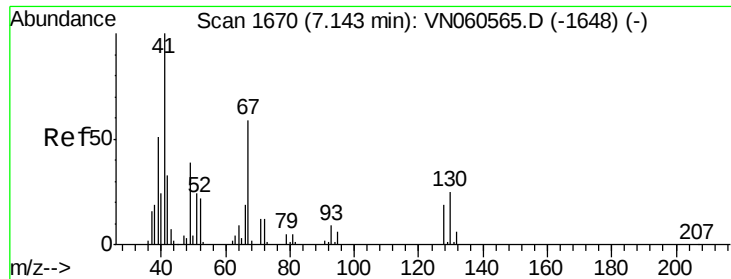
MMDadoda
3/18/2020 7:00:41 PM



#40
Benzene
Concen: 105.317 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1096423		
77	23.3		18.6	28.0





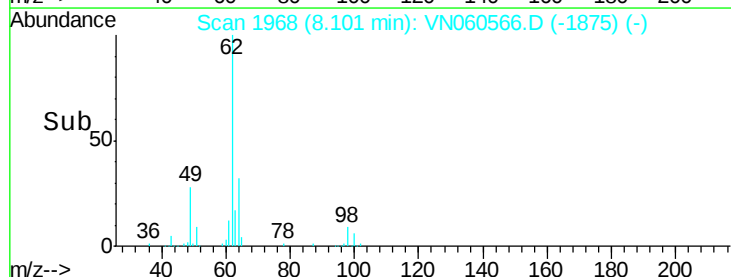
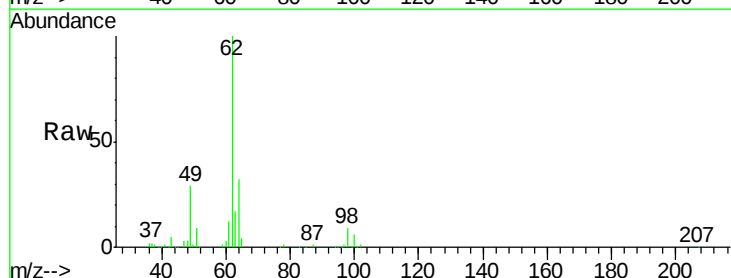
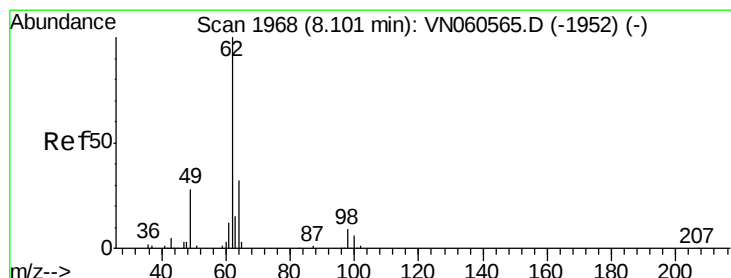
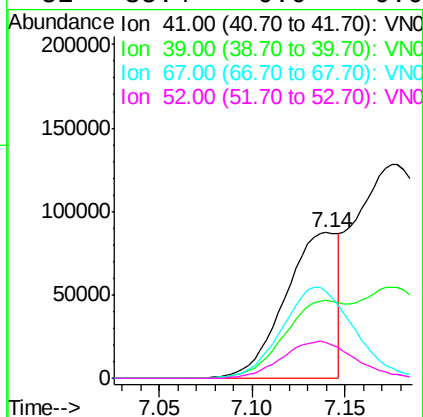
#41
Methacrylonitrile
Concen: 111.717 ug/l
RT: 7.14 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.7	0.0	0.0#
67	85.0	0.0	0.0#
52	35.4	0.0	0.0#

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

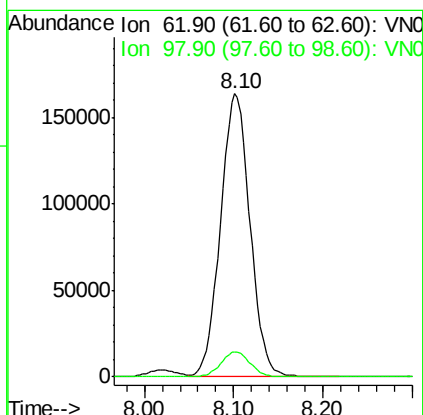
Manual Integrations
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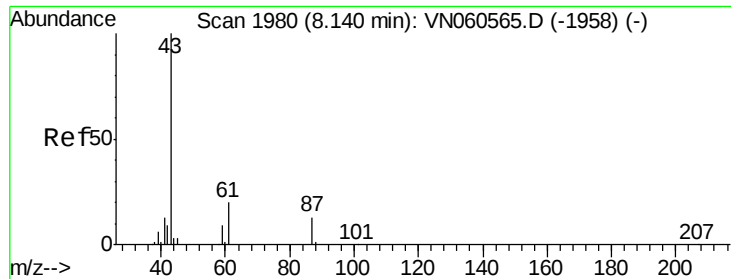
MMDadoda
3/18/2020 7:00:41 PM



#42
1,2-Dichloroethane
Concen: 100.976 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.8





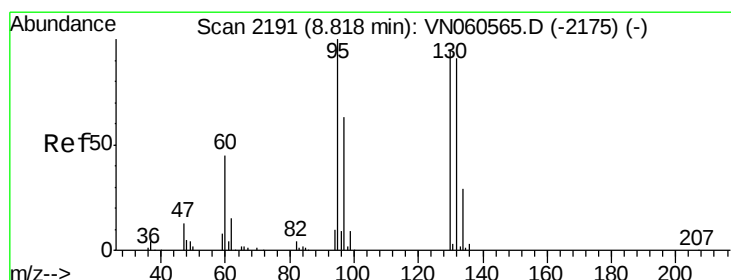
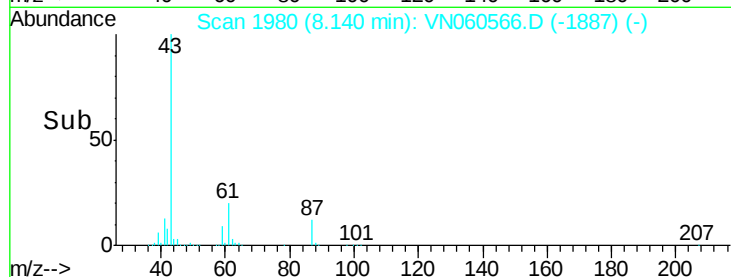
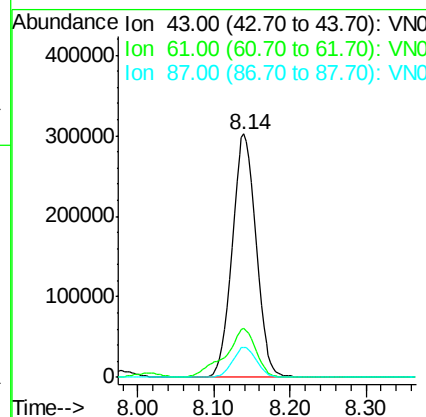
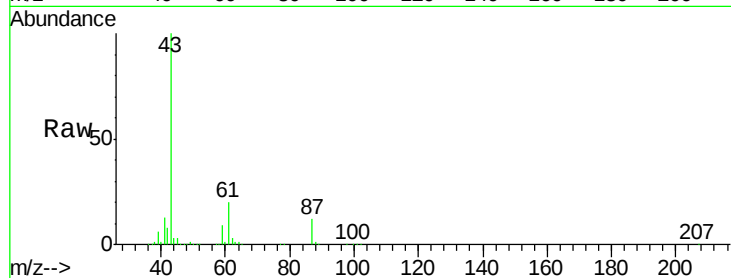
#43
Isopropyl Acetate
Concen: 110.906 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.7	31.1
87	12.3	9.8	14.8

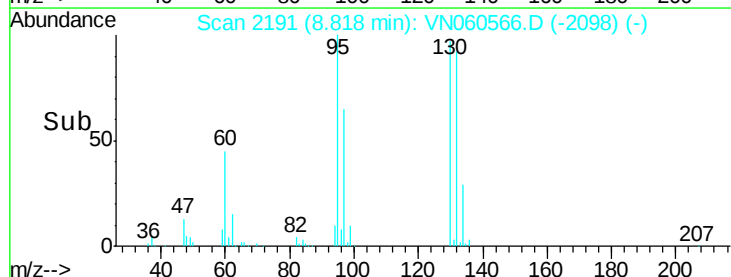
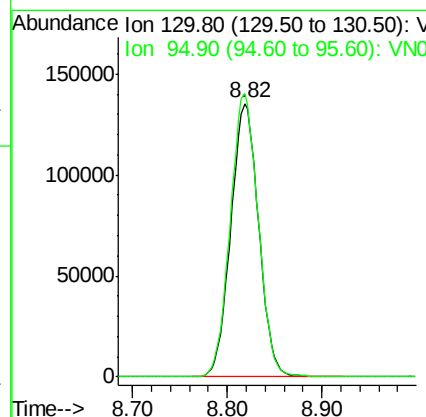
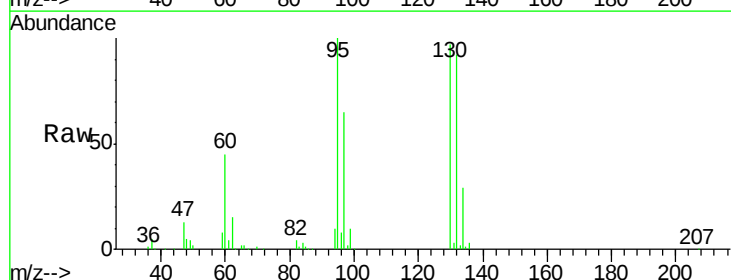
Manual Integrations
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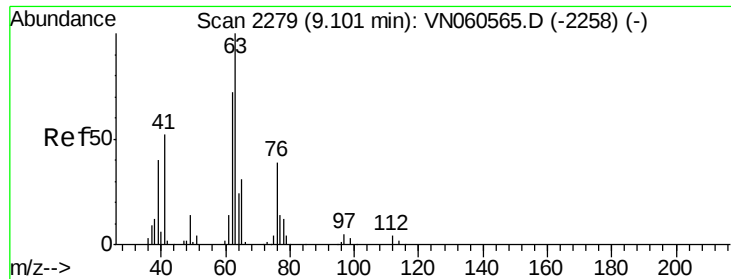
MMDadoda
3/18/2020 7:00:41 PM



#44
Trichloroethene
Concen: 96.823 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	211.2





#45

1,2-Dichloropropane

Concen: 108.095 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 293796

Ion Ratio Lower Upper

63 100

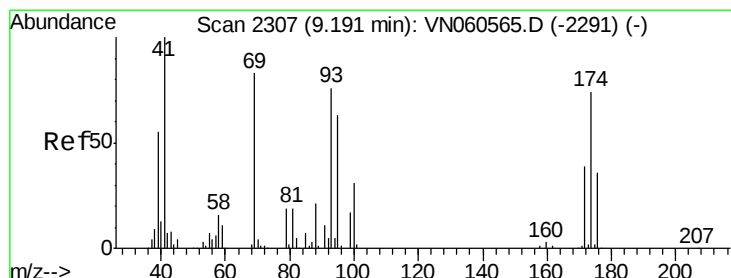
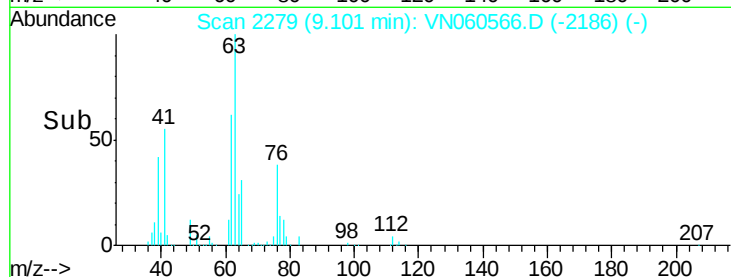
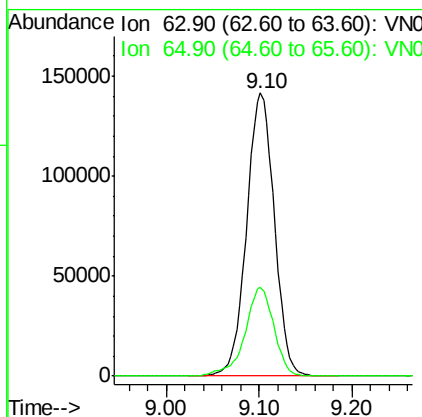
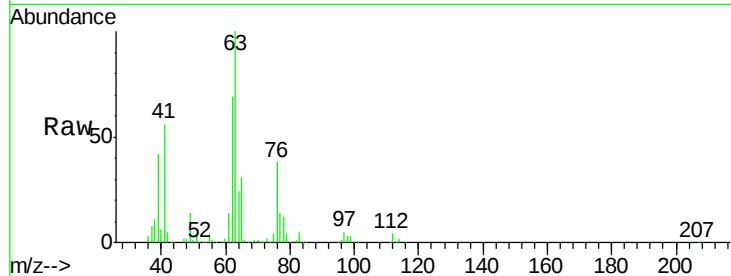
65 31.5 25.4 38.0

Manual Integrations

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3/18/2020 7:00:41 PM



#46

Dibromomethane

Concen: 101.976 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

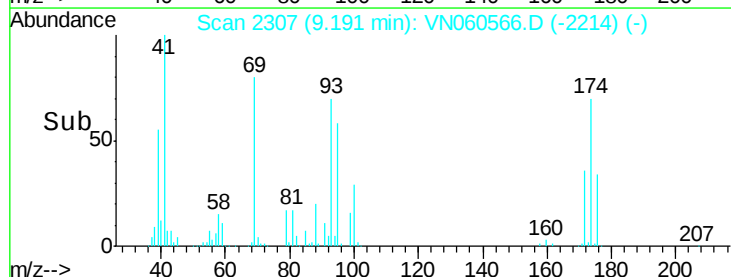
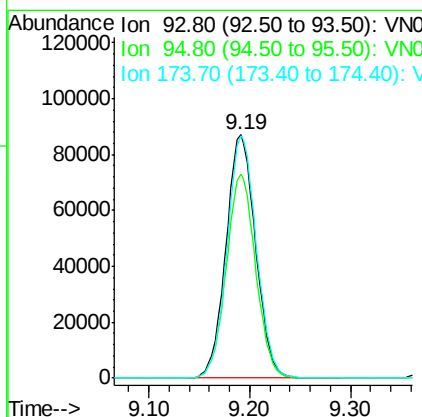
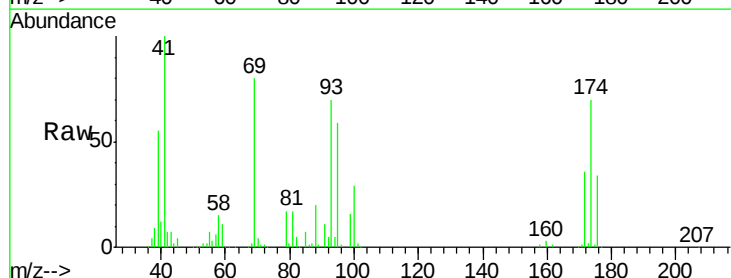
Tgt Ion: 93 Resp: 178426

Ion Ratio Lower Upper

93 100

95 83.0 66.2 99.4

174 98.6 77.9 116.9





#47

Bromodichloromethane

Concen: 105.188 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Instrument :

MSVOA_N

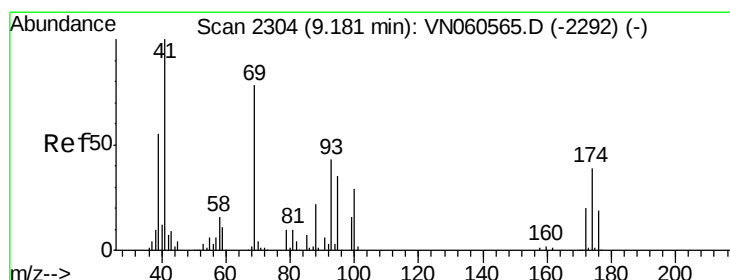
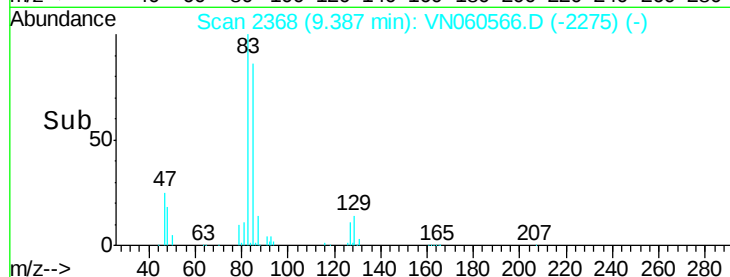
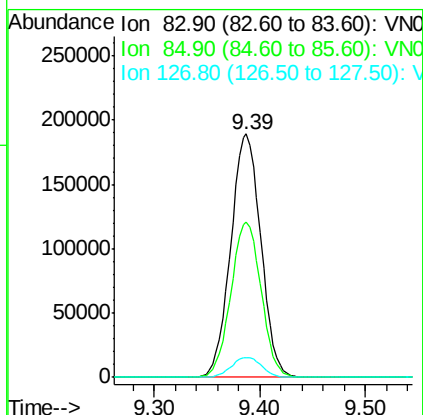
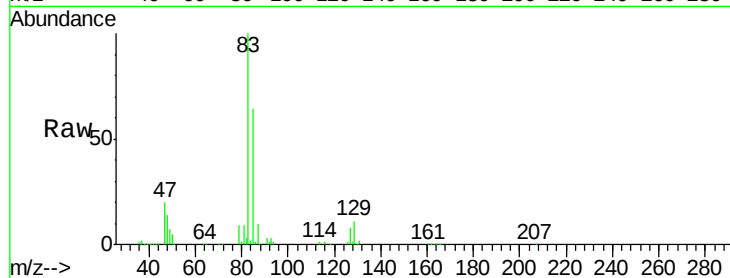
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	374112
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.8	77.6
127	8.3	6.5	9.7

Manual Integrations
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3/18/2020 7:00:41 PM



#48

Methyl methacrylate

Concen: 112.000 ug/l

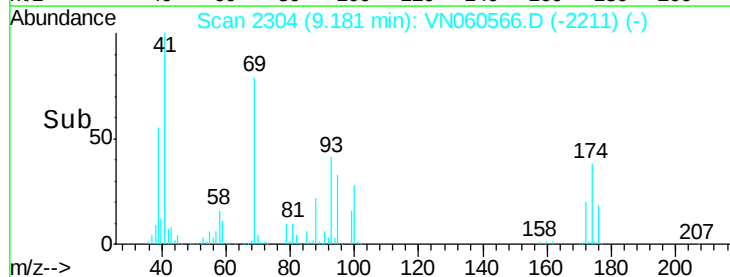
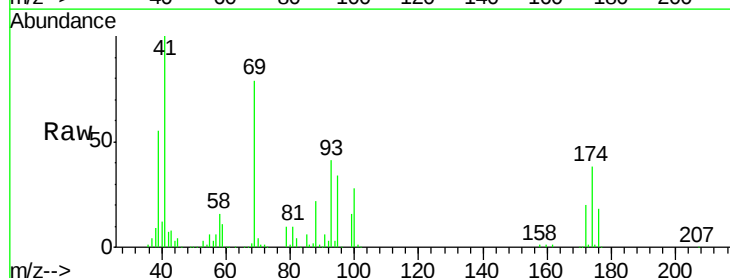
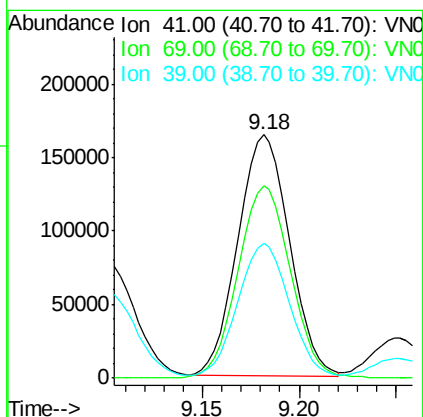
RT: 9.18 min Scan# 2304

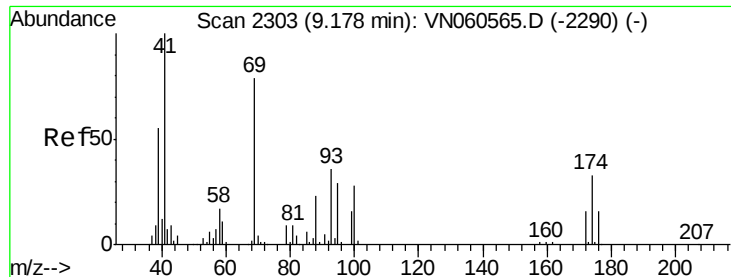
Delta R.T. -0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Tgt Ion:	41	Resp:	303123
Ion Ratio	Lower	Upper	
41	100		
69	81.8	65.4	98.0
39	54.4	44.0	66.0





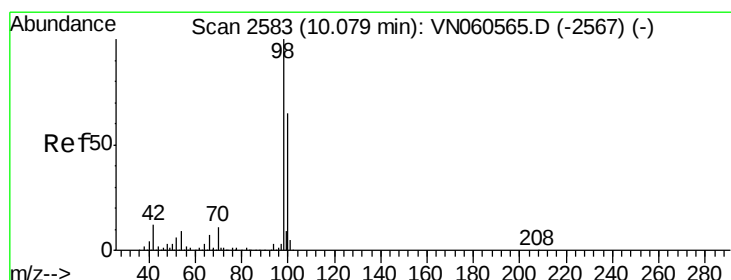
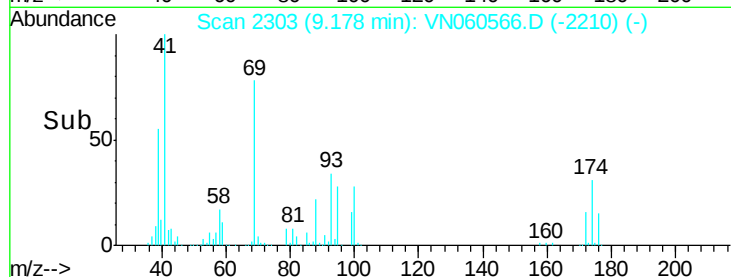
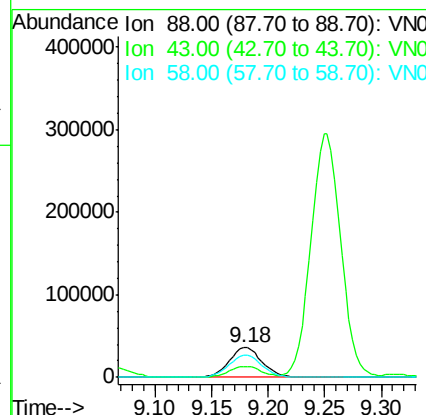
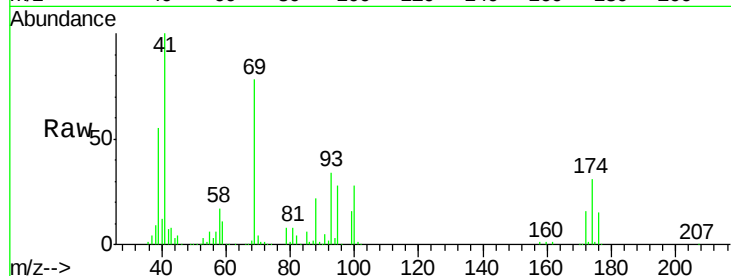
#49
1,4-Dioxane
Concen: 1949.027 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	30.8	46.2
58	75.6	59.8	89.8

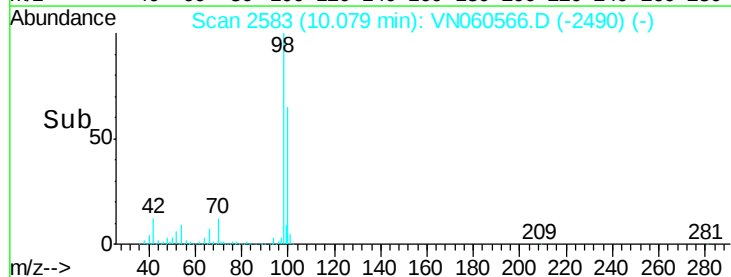
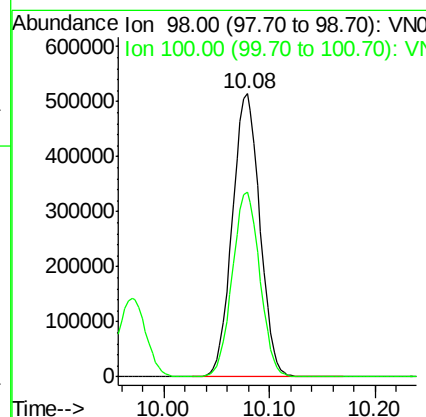
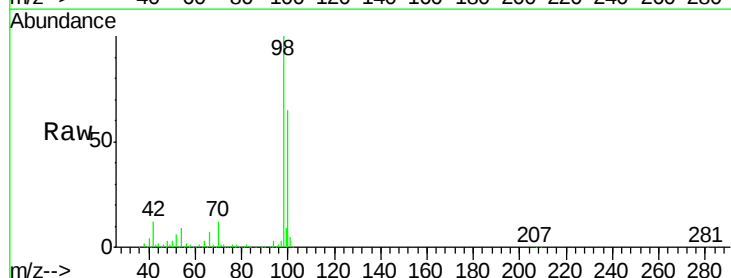
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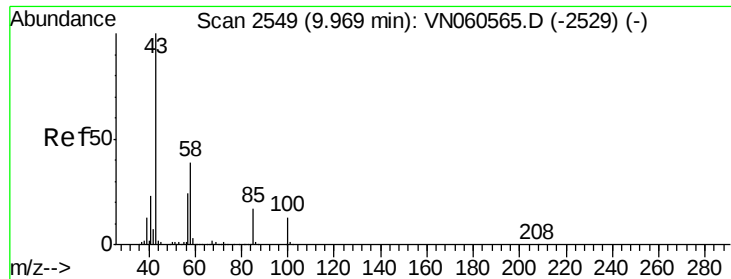
MMDadoda
3/18/2020 7:00:41 PM



#50
Toluene-d8
Concen: 104.207 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 567.244 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1915148

Ion Ratio Lower Upper

43 100

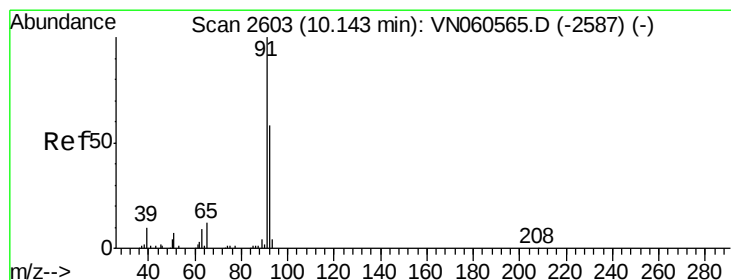
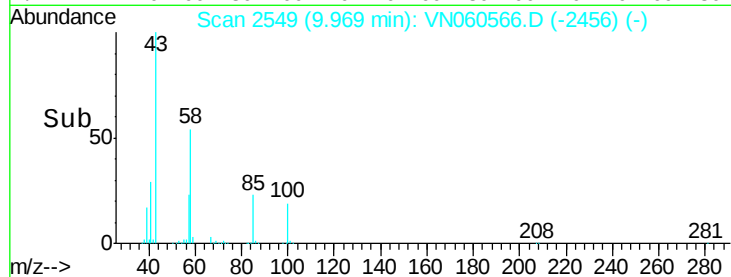
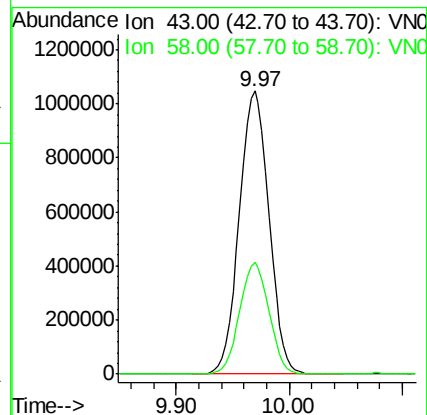
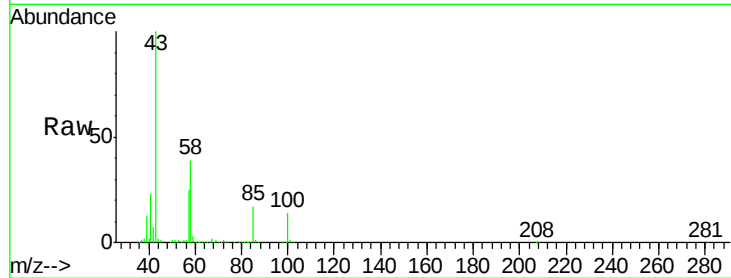
58 39.1 30.8 46.2

Manual Integrations

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3/18/2020 7:00:41 PM



#52

Toluene

Concen: 103.090 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060566.D

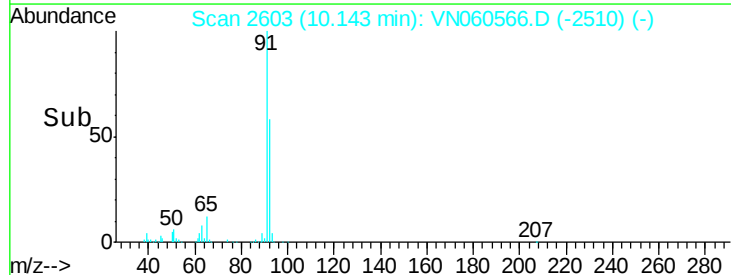
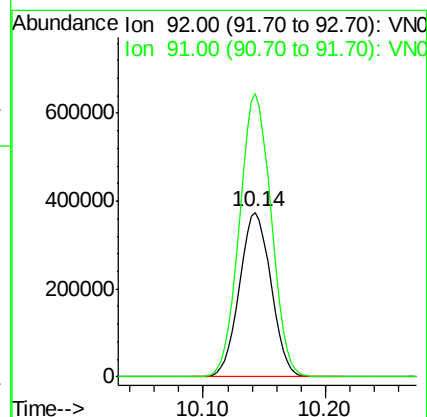
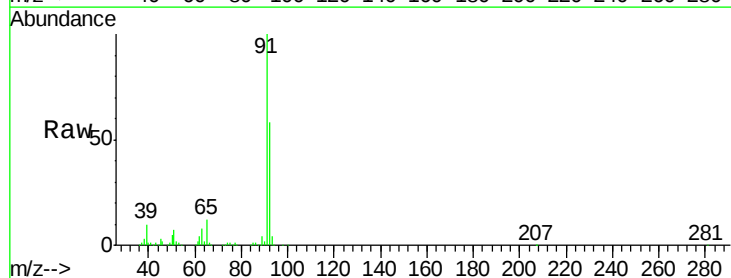
Acq: 17 Mar 2020 19:35

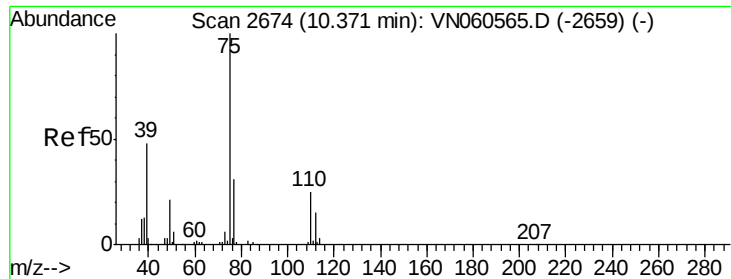
Tgt Ion: 92 Resp: 670338

Ion Ratio Lower Upper

92 100

91 172.7 137.6 206.4





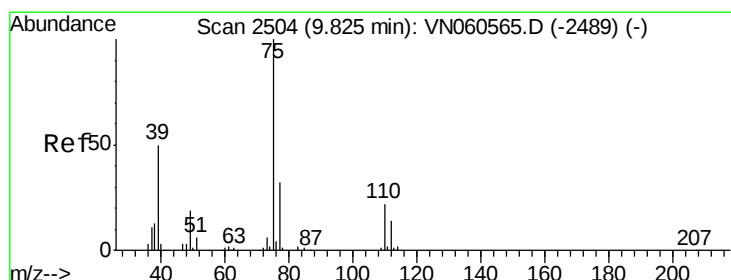
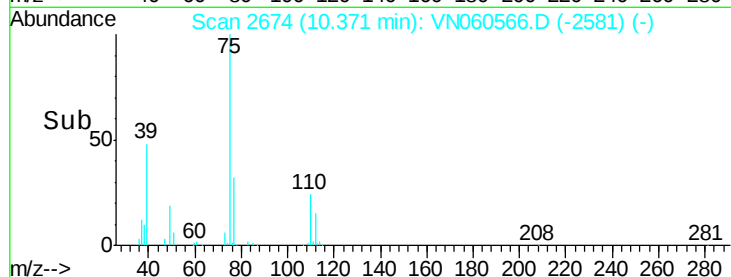
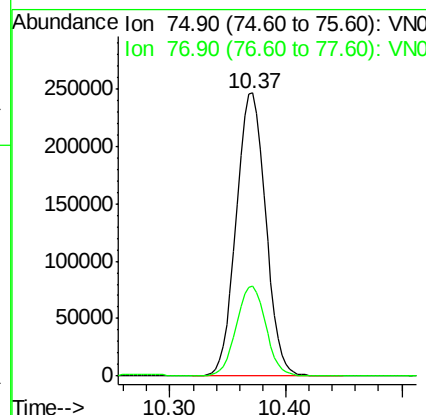
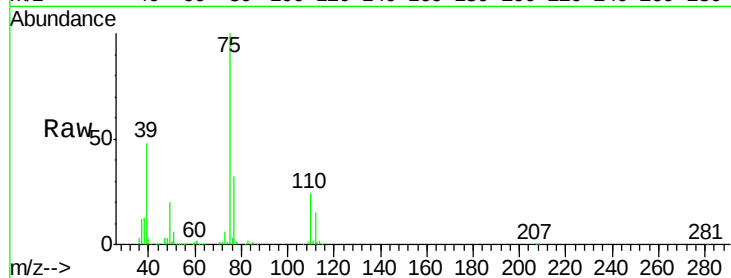
#53
t-1,3-Dichloropropene
Concen: 99.669 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.1	37.7

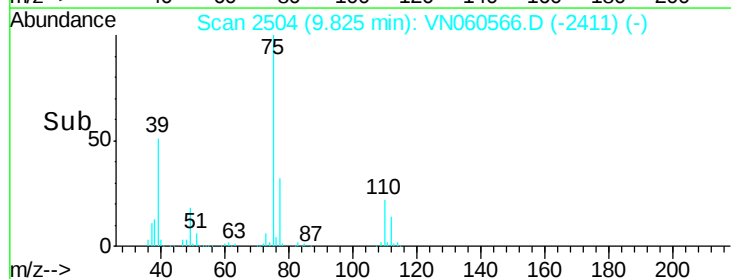
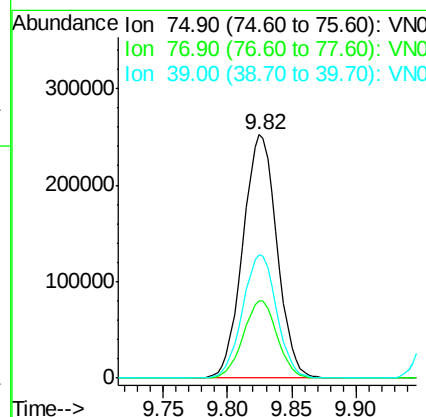
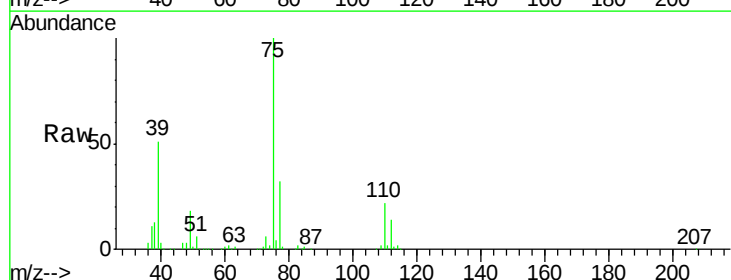
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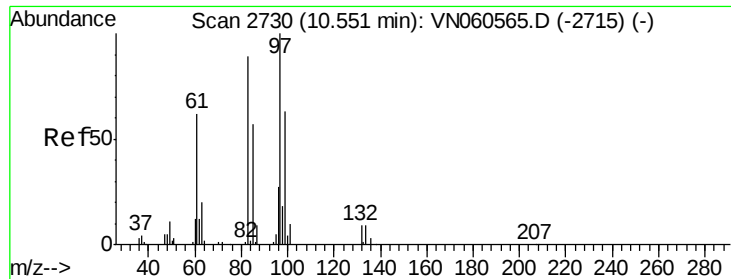
MMDadoda
3/18/2020 7:00:41 PM



#54
cis-1,3-Dichloropropene
Concen: 102.636 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0
39	50.8	40.2	60.4





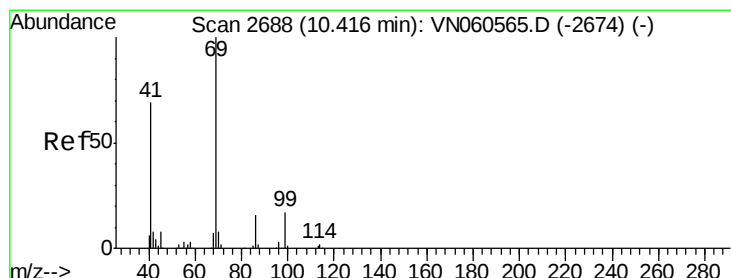
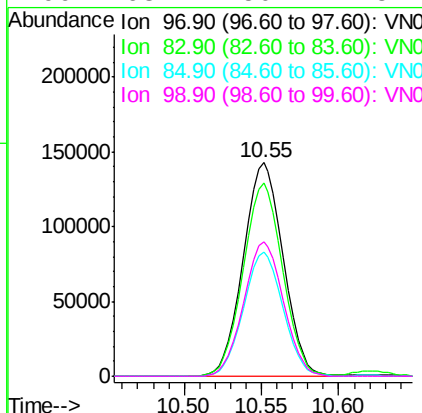
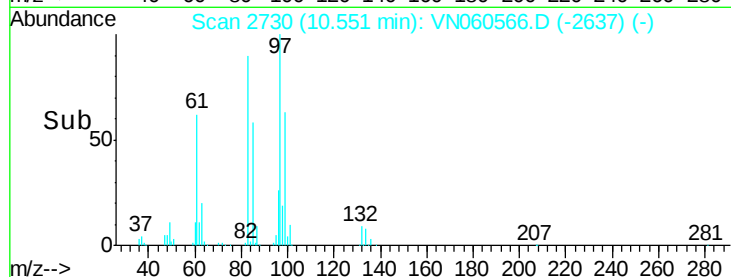
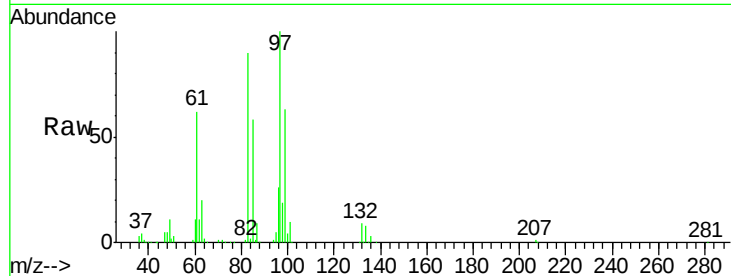
#55
 1,1,2-Trichloroethane
 Concen: 98.310 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060566.D
 Acq: 17 Mar 2020 19:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		255740		
83	90.2	71.3	106.9		
85	58.1	45.2	67.8		
99	63.1	50.1	75.1		

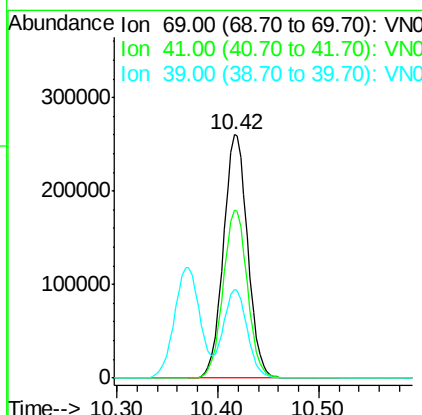
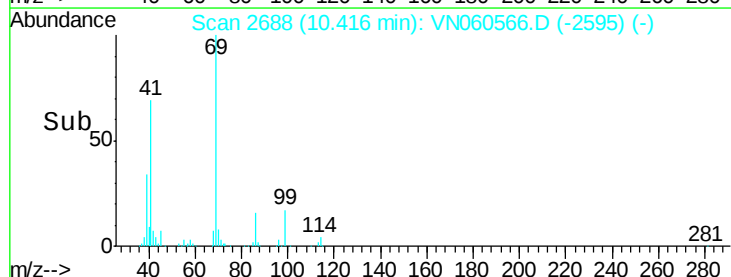
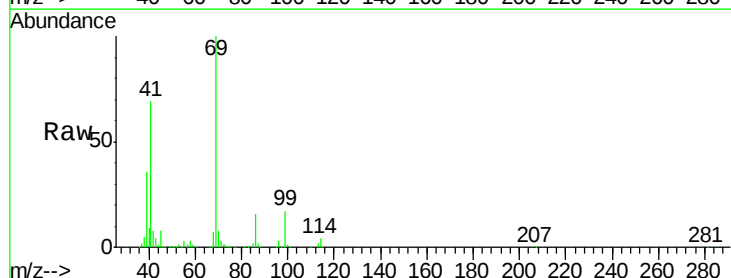
Manual Integrations
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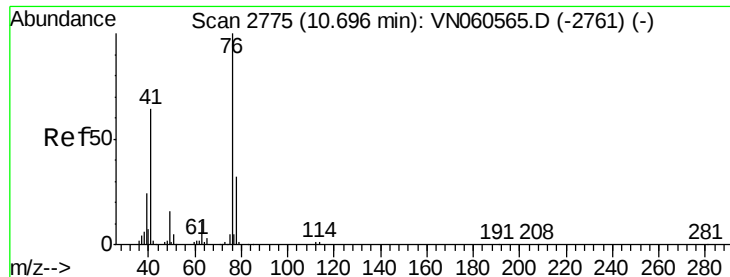
MMDadoda
 3/18/2020 7:00:41 PM



#56
 Ethyl methacrylate
 Concen: 115.701 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060566.D
 Acq: 17 Mar 2020 19:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		436451		
41	68.9	55.4	83.2		
39	36.4	29.4	44.0		





#57

1,3-Dichloropropane

Concen: 105.559 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 450272

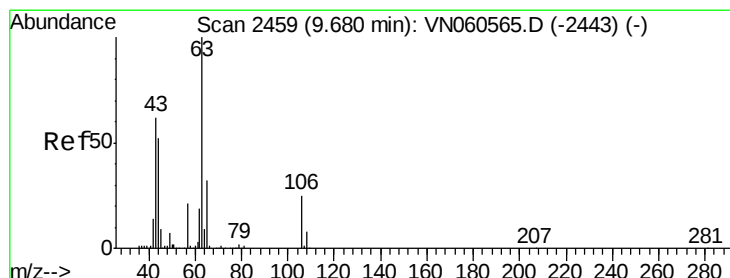
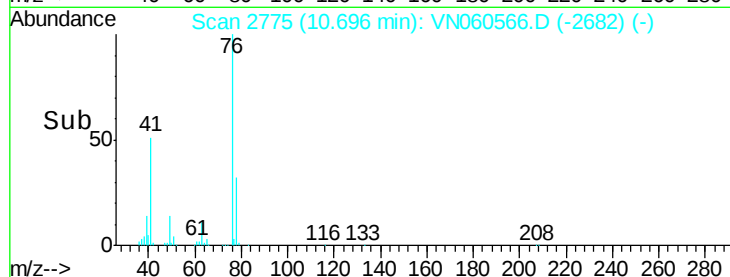
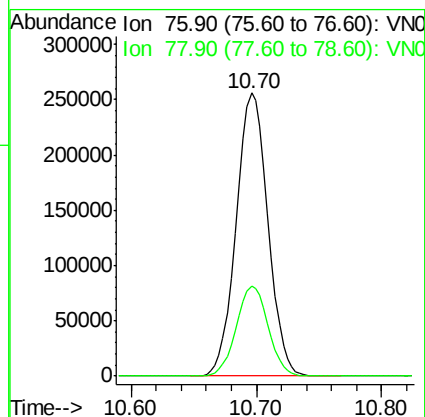
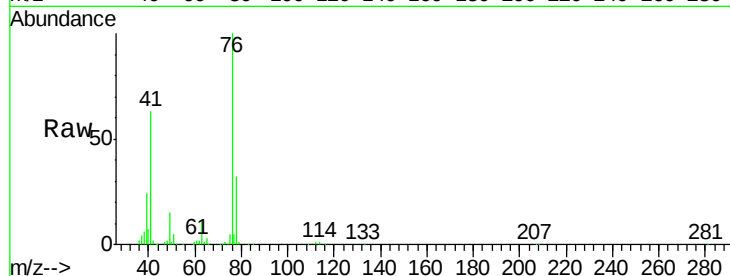
Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.6

Manual Integrations
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3/18/2020 7:00:41 PM



#58

2-Chloroethyl Vinyl ether

Concen: 545.486 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060566.D

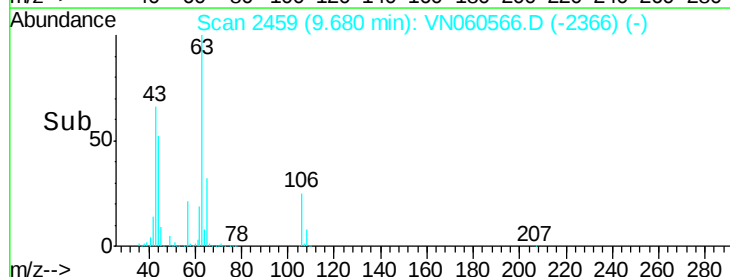
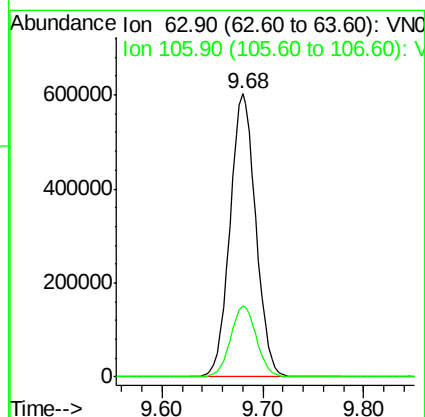
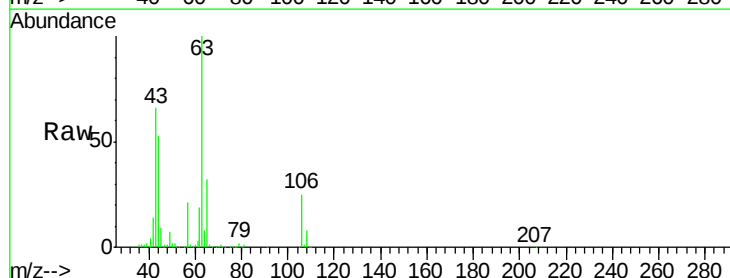
Acq: 17 Mar 2020 19:35

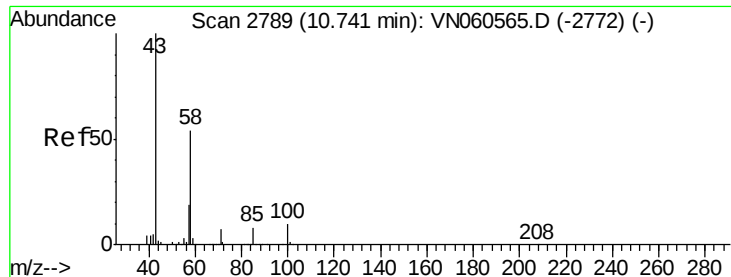
Tgt Ion: 63 Resp: 1071550

Ion Ratio Lower Upper

63 100

106 25.1 20.0 30.0





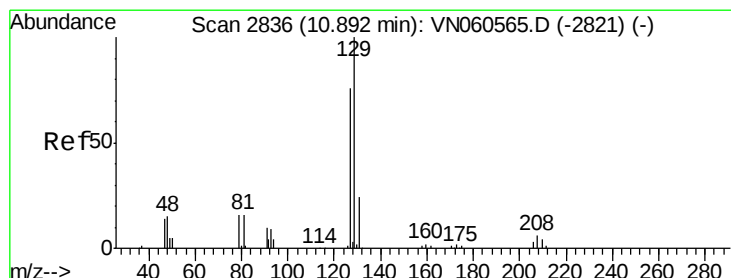
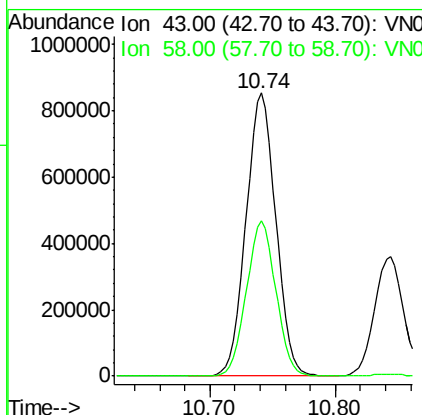
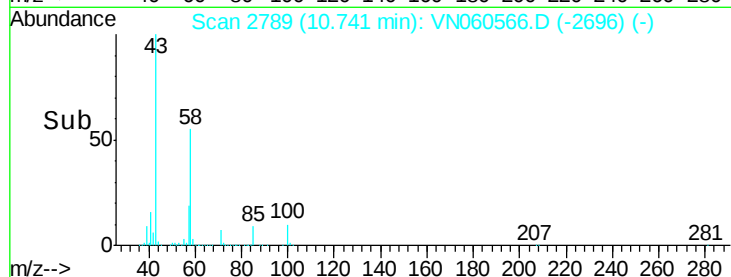
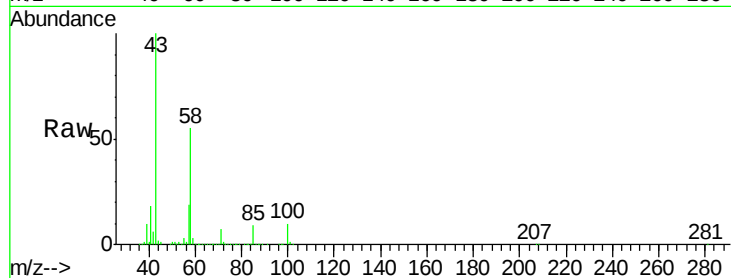
#59
2-Hexanone
Concen: 571.208 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 1414489
Ion Ratio Lower Upper
43 100
58 54.2 26.7 80.1

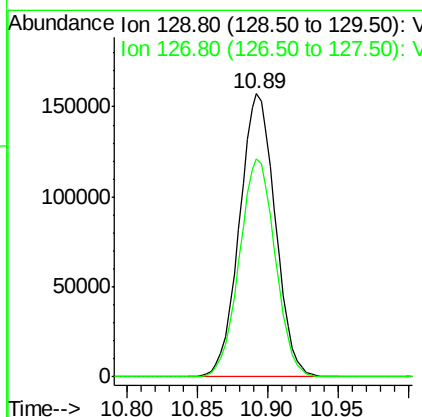
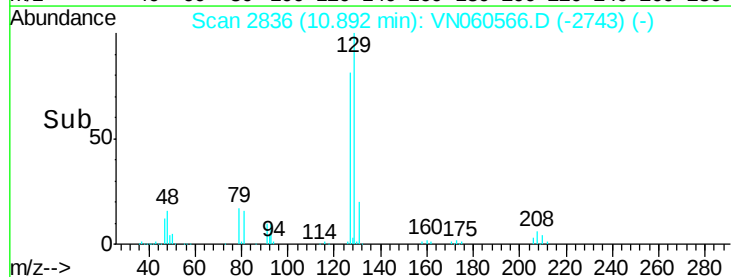
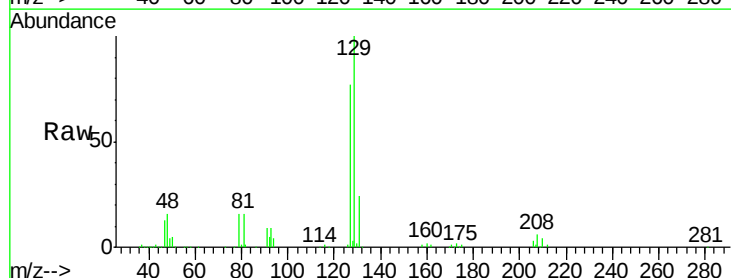
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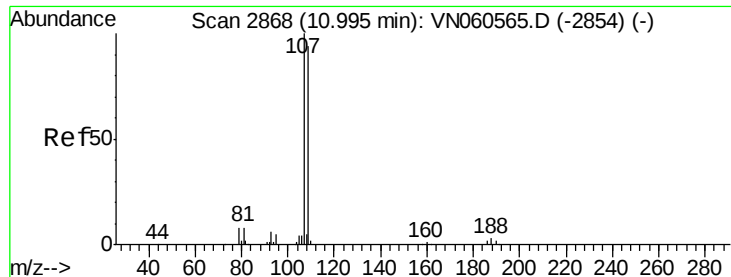
MMDadoda
3/18/2020 7:00:41 PM



#60
Dibromochloromethane
Concen: 105.597 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion: 129 Resp: 279255
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





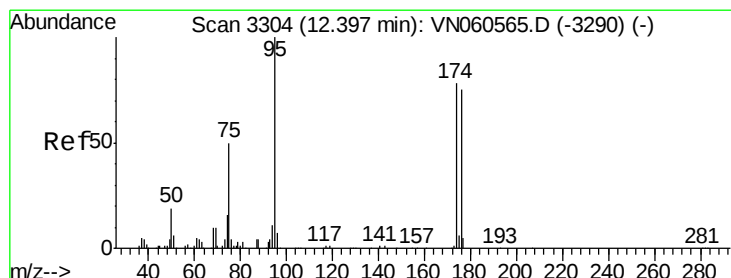
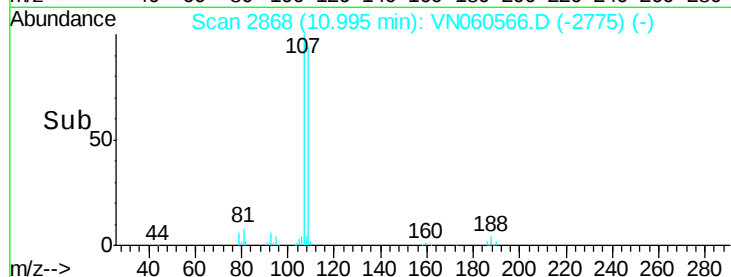
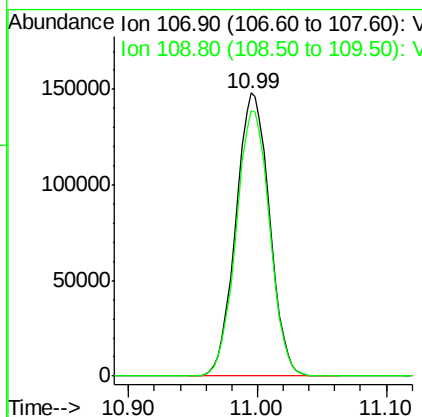
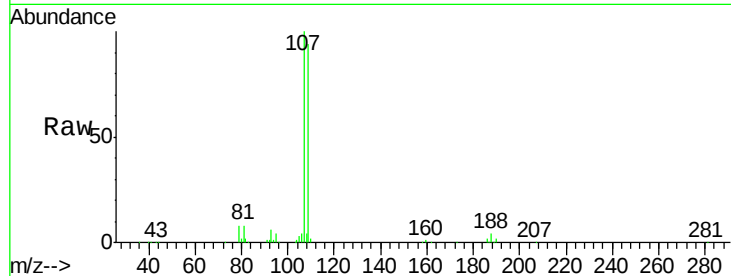
#61
 1,2-Dibromoethane
 Concen: 105.638 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060566.D
 Acq: 17 Mar 2020 19:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.4	113.2

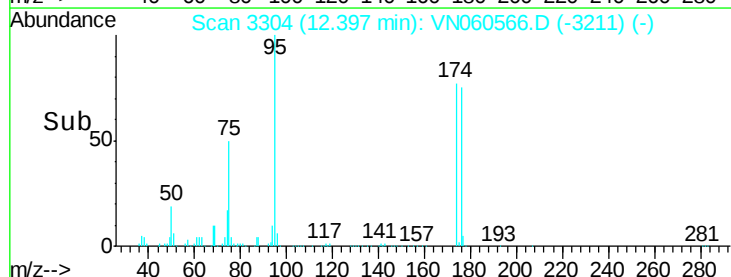
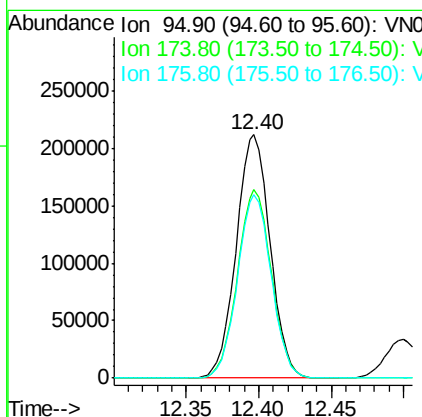
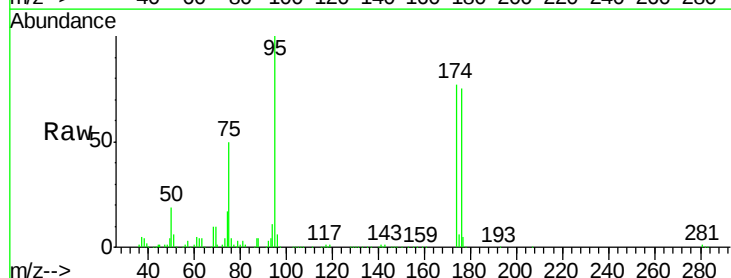
Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 7:00:41 PM



#62
 4-Bromofluorobenzene
 Concen: 103.036 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060566.D
 Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	157.6
176	75.1	0.0	150.6





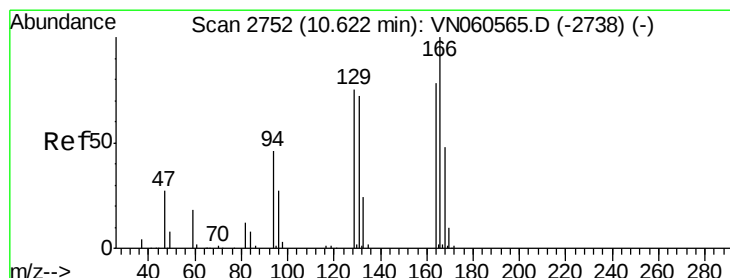
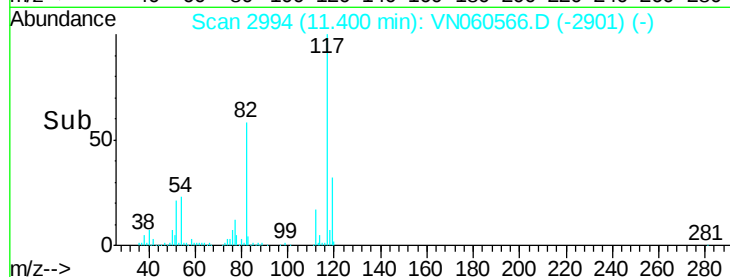
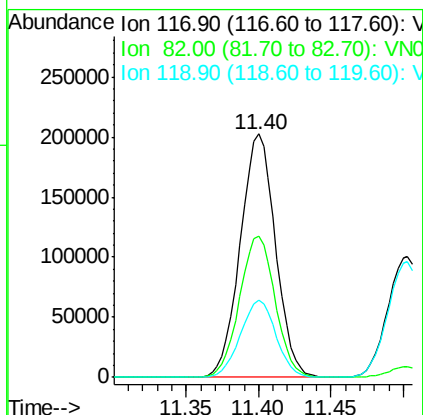
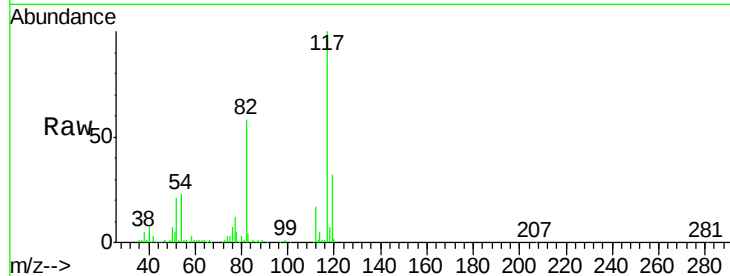
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.7	70.1
119	31.6	25.5	38.3

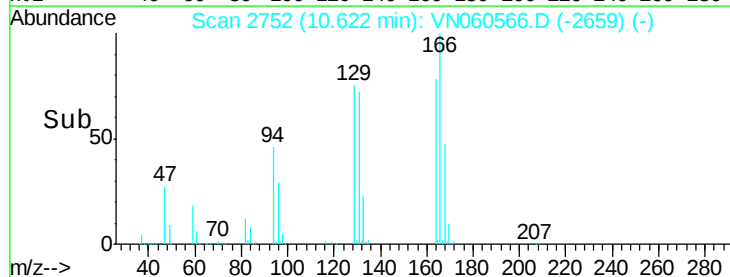
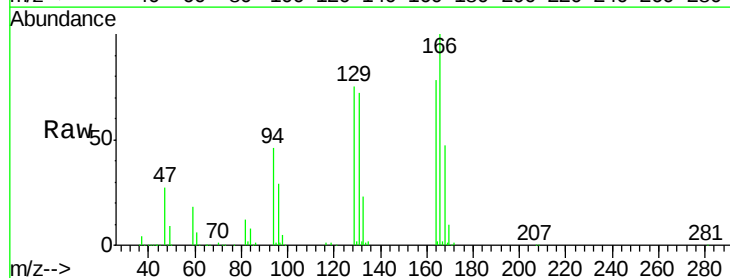
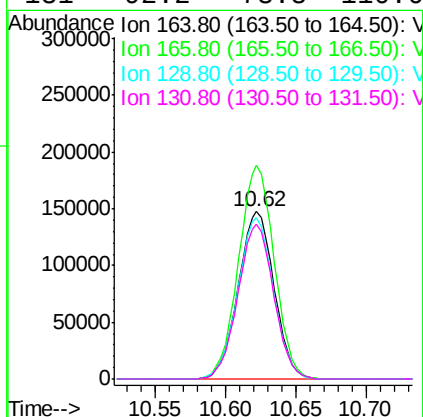
Manual Integrations
APPROVED

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3/18/2020 7:00:41 PM



#64
Tetrachloroethene
Concen: 86.605 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	102.7	154.1
129	95.9	77.2	115.8
131	92.2	73.8	110.6





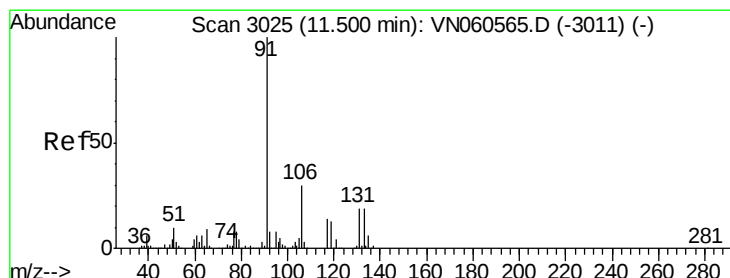
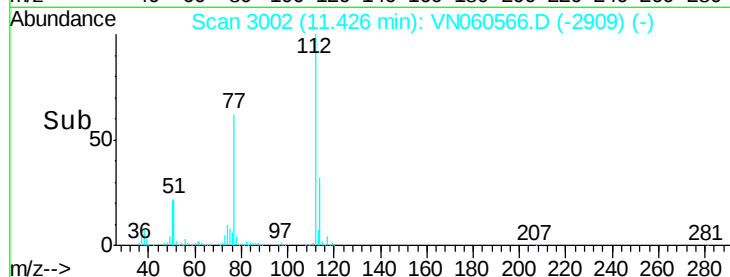
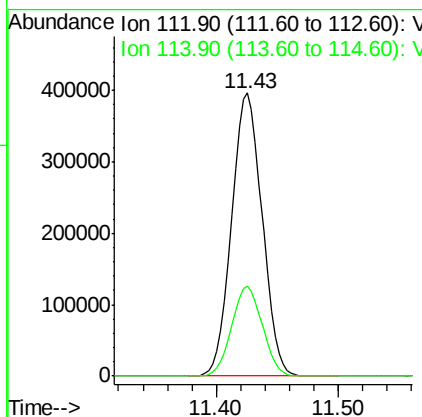
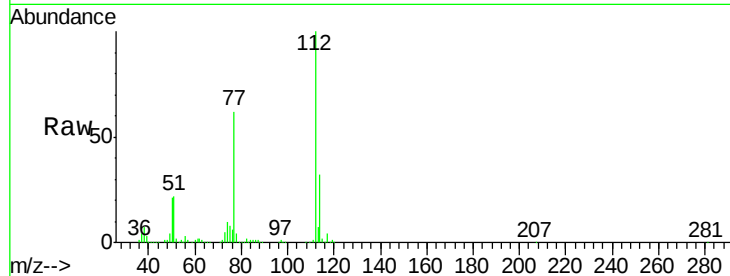
#65
Chlorobenzene
Concen: 99.230 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.8	38.6

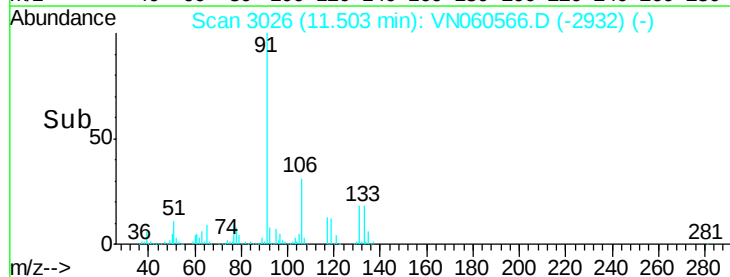
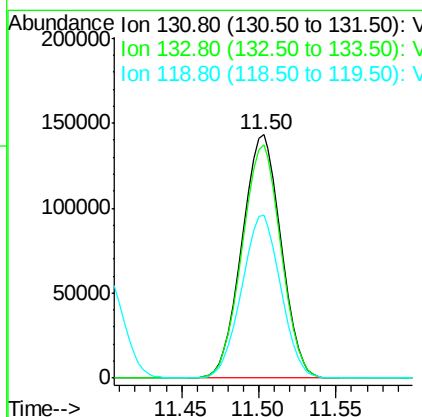
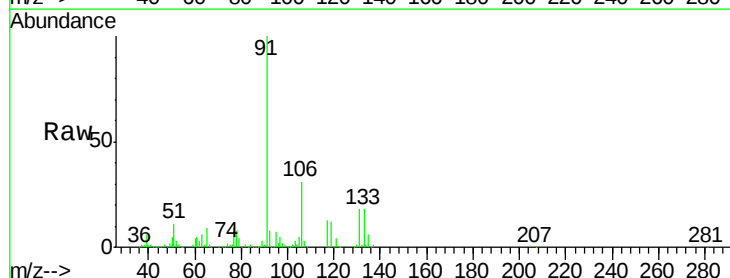
Manual Integrations
APPROVED

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3/18/2020 7:00:41 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 98.872 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.9	146.8
119	66.8	33.9	101.7





#67

Ethyl Benzene

Concen: 102.218 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1297995

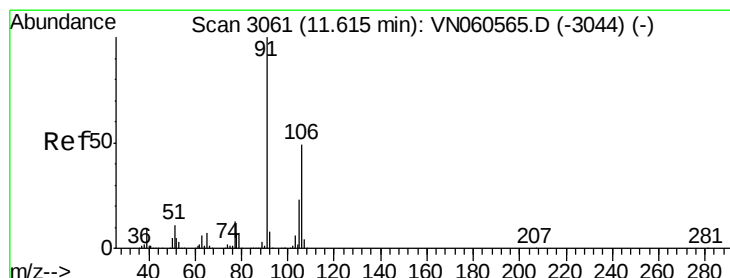
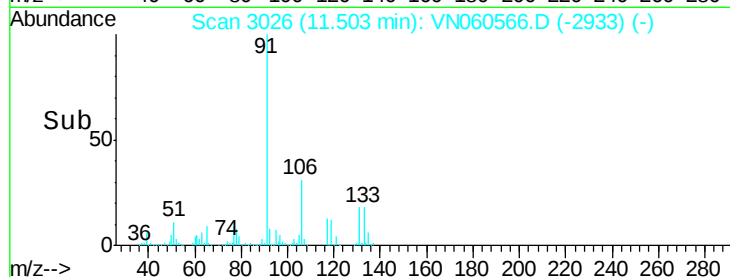
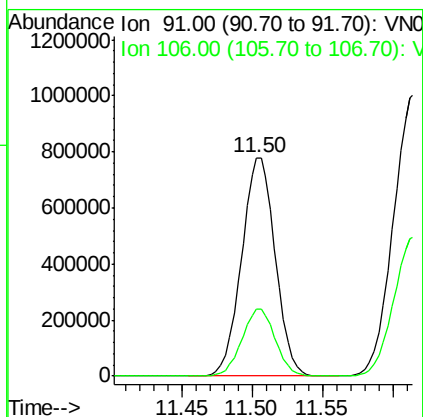
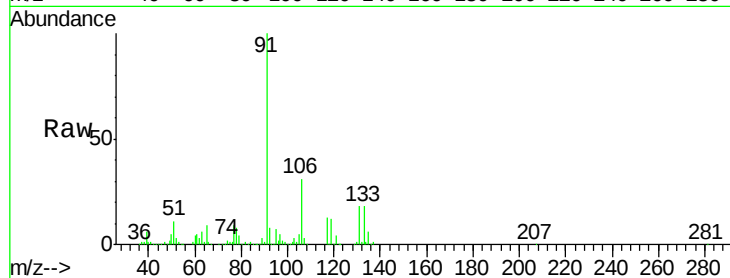
Ion Ratio Lower Upper

91 100

106 30.6 24.2 36.2

Manual Integrations
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3/18/2020 7:00:41 PM



#68

m/p-Xylenes

Concen: 200.867 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060566.D

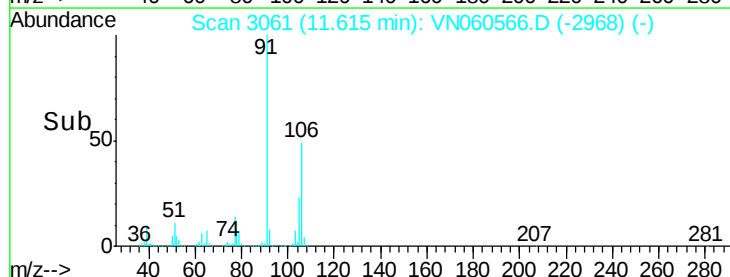
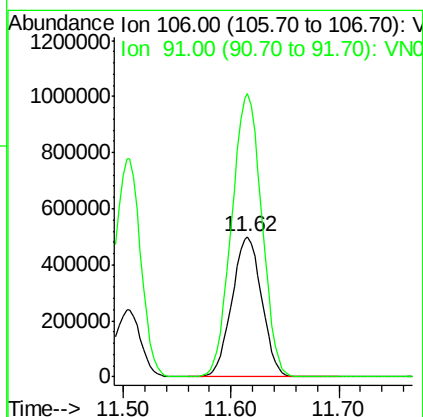
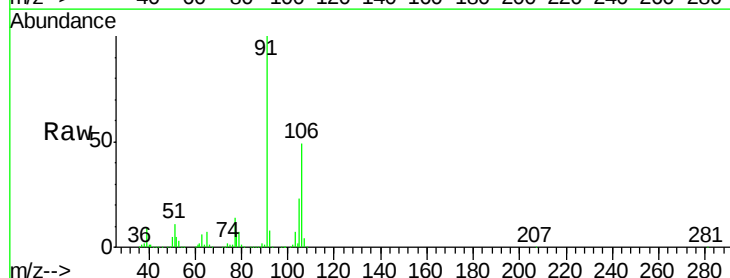
Acq: 17 Mar 2020 19:35

Tgt Ion: 106 Resp: 961849

Ion Ratio Lower Upper

106 100

91 204.2 165.0 247.4





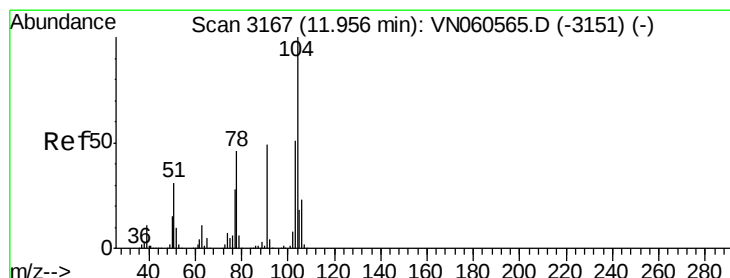
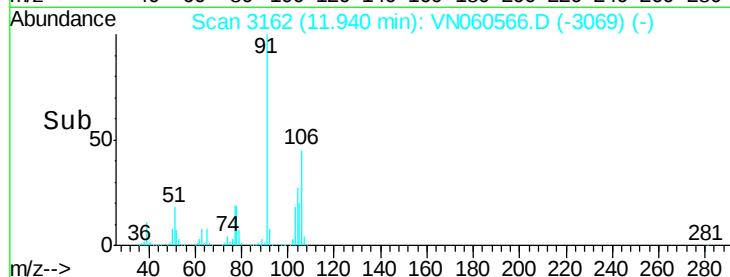
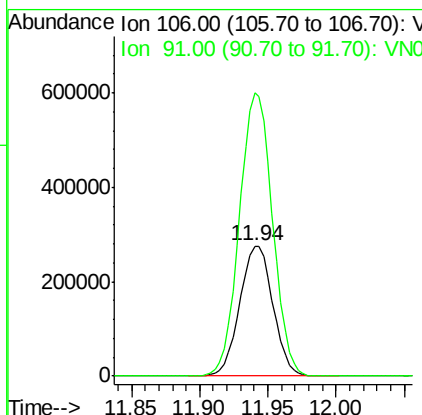
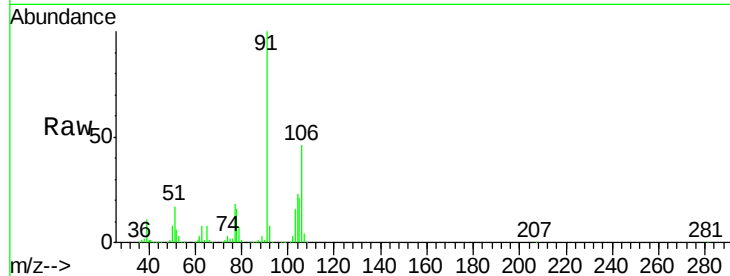
#69
o-Xylene
Concen: 101.692 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 464023
Ion Ratio Lower Upper
106 100
91 217.5 109.5 328.4

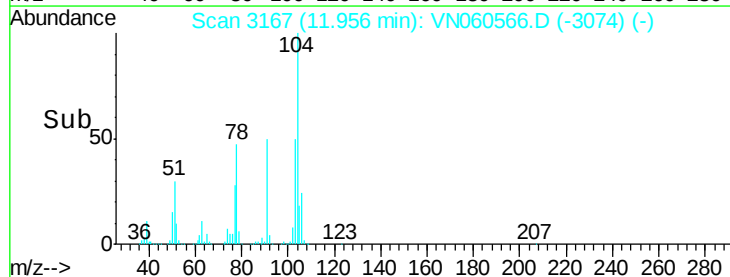
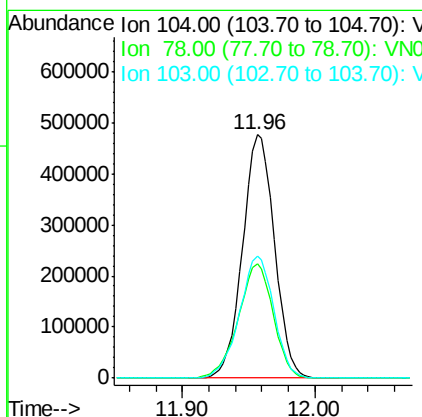
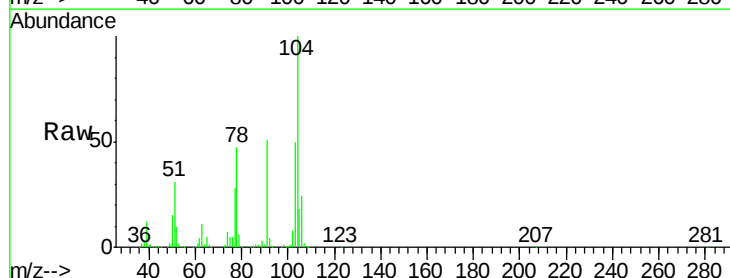
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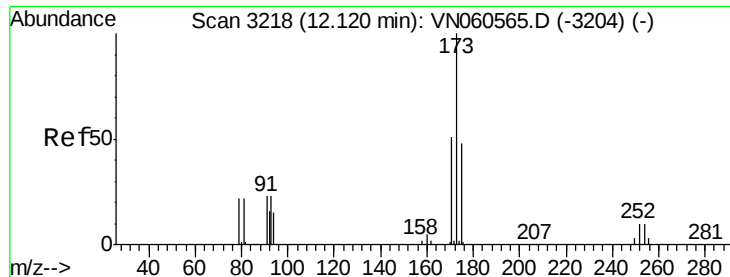
MMDadoda
3/18/2020 7:00:41 PM



#70
Styrene
Concen: 106.228 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion:104 Resp: 796195
Ion Ratio Lower Upper
104 100
78 51.4 41.2 61.8
103 54.2 44.0 66.0





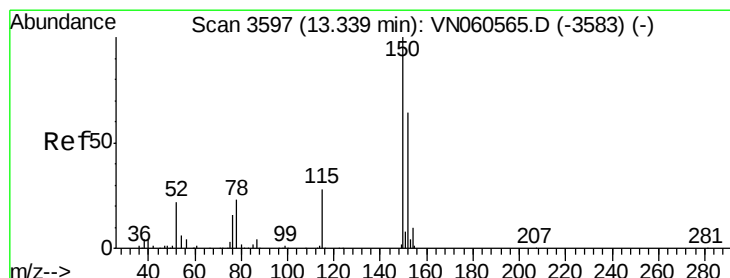
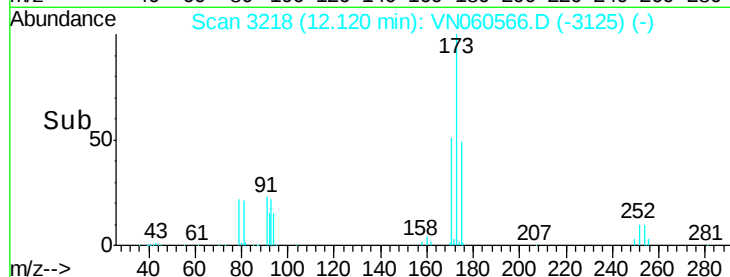
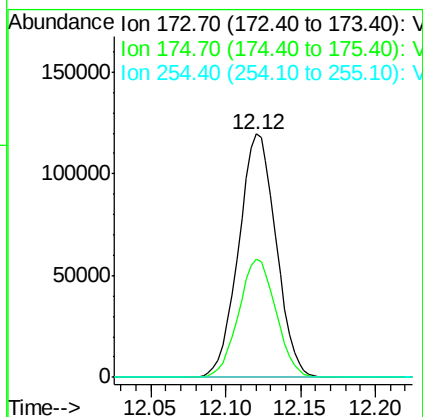
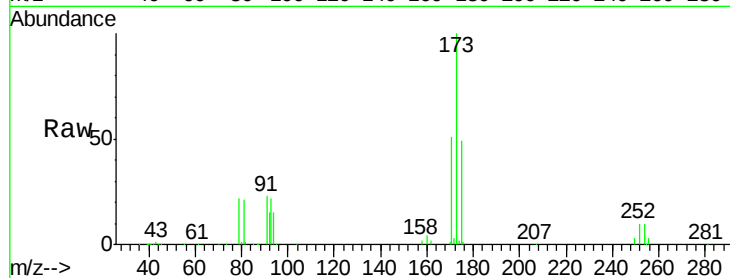
#71
Bromoform
Concen: 112.520 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.4
254	0.1	0.0	0.0

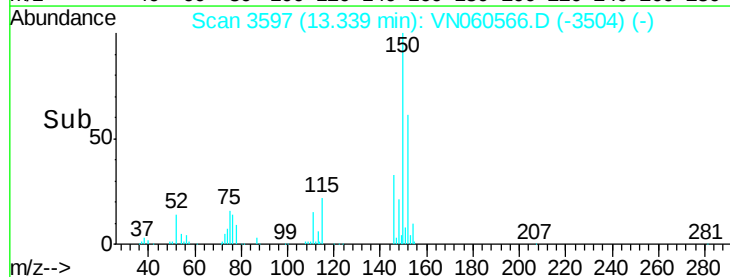
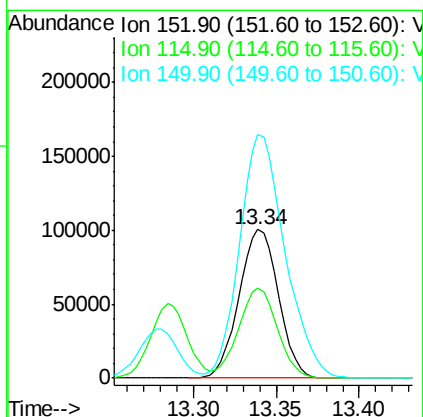
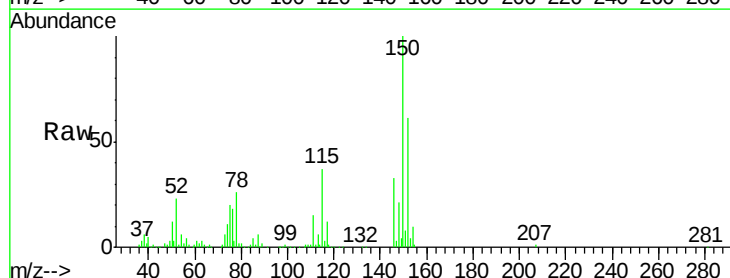
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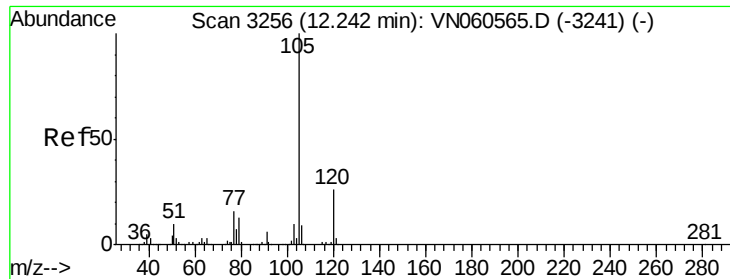
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3/18/2020 7:00:41 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.2	90.6
150	189.2	0.0	350.2





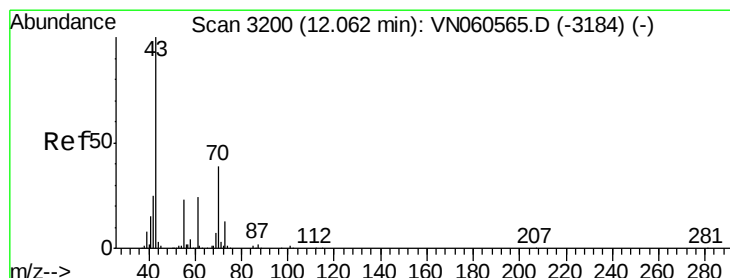
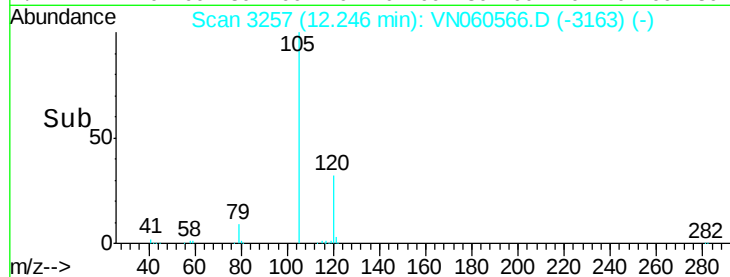
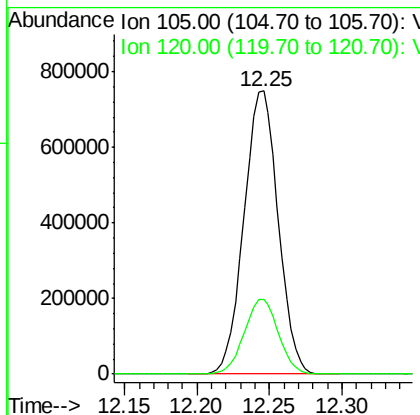
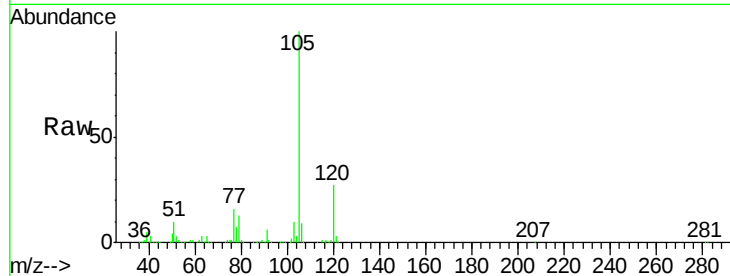
#73
Isopropylbenzene
Concen: 98.867 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 105 Resp: 1227903
Ion Ratio Lower Upper
105 100
120 26.3 13.1 39.1

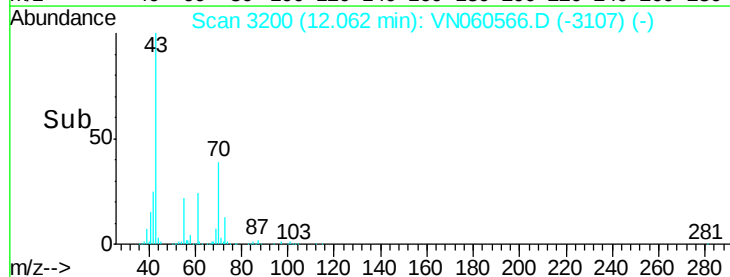
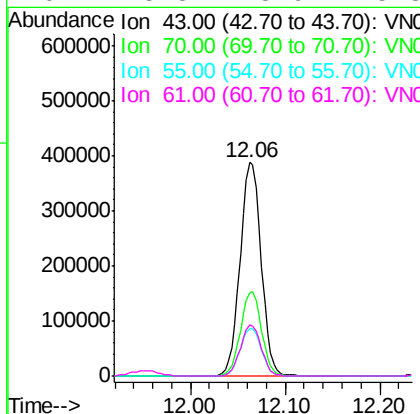
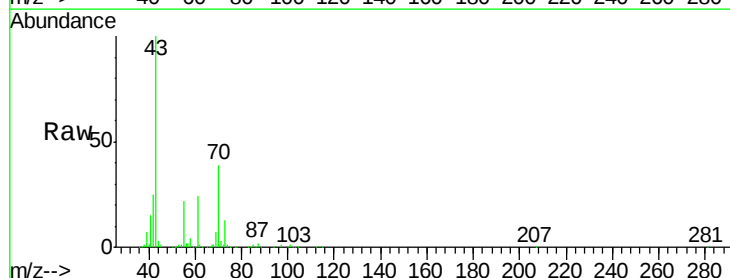
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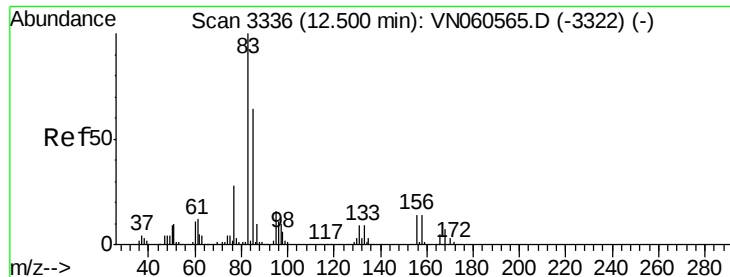
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3/18/2020 7:00:41 PM



#74
N-ethyl acetate
Concen: 108.997 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion: 43 Resp: 598225
Ion Ratio Lower Upper
43 100
70 39.4 31.1 46.7
55 22.8 18.6 27.8
61 23.8 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 109.000 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 373481

Ion Ratio Lower Upper

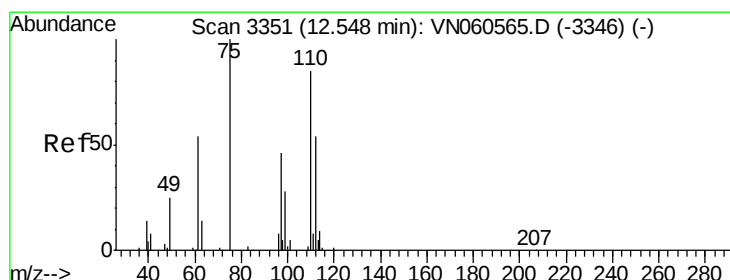
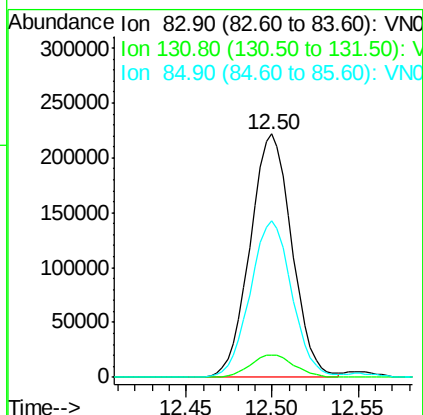
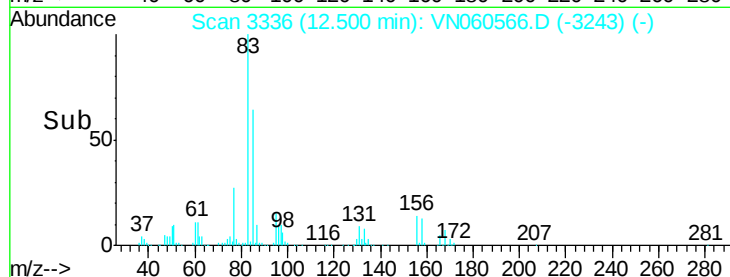
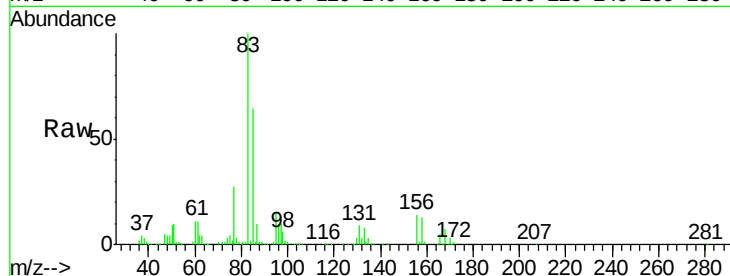
83 100

131 9.6 4.9 14.7

85 64.0 32.5 97.4

Manual Integrations
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3/18/2020 7:00:41 PM



#76

1,2,3-Trichloropropane

Concen: 95.185 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060566.D

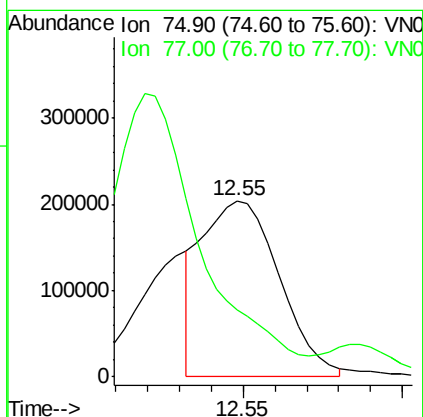
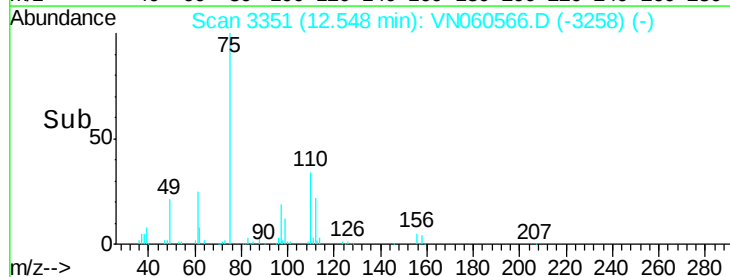
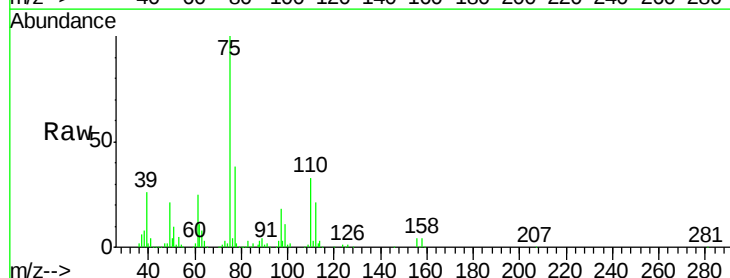
Acq: 17 Mar 2020 19:35

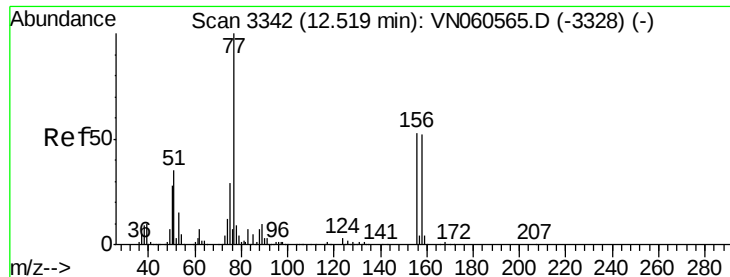
Tgt Ion: 75 Resp: 345512

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





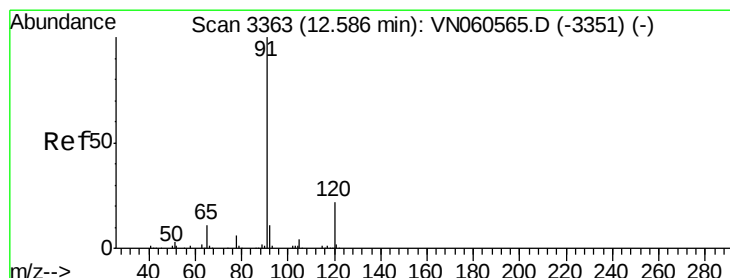
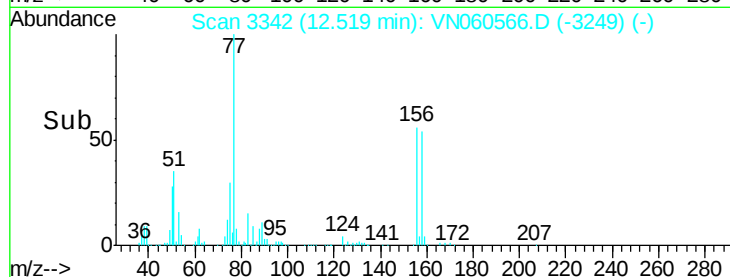
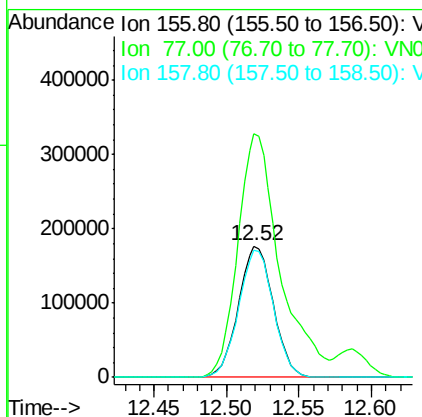
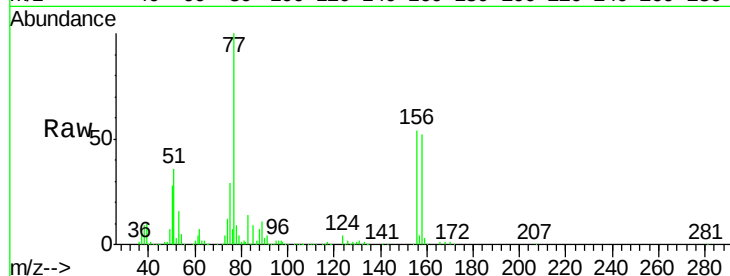
#77
Bromobenzene
Concen: 96.951 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	225.0	112.3	337.0
158	97.3	48.6	145.8

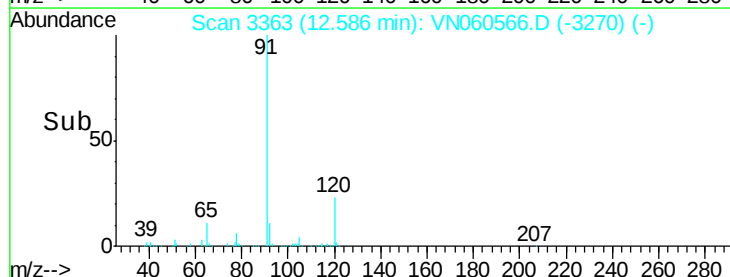
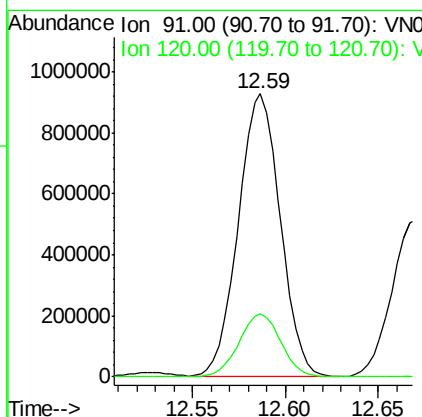
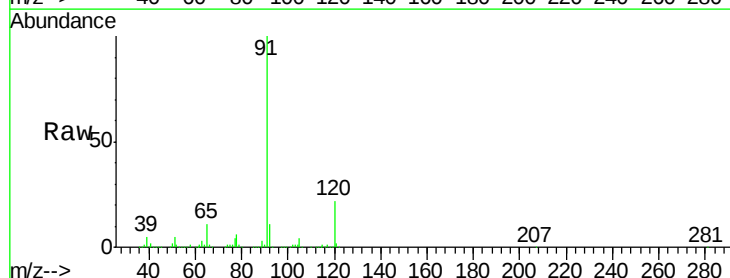
Manual Integrations
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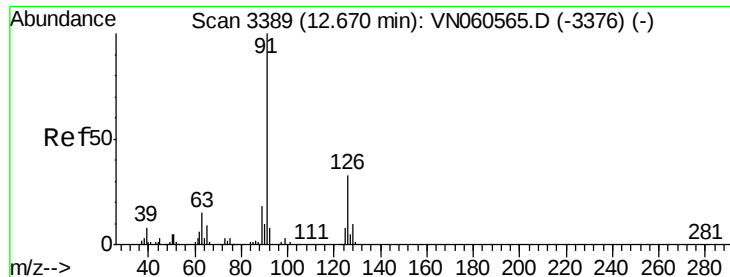
MMDadoda
3/18/2020 7:00:41 PM



#78
n-propylbenzene
Concen: 100.066 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.8





#79

2-Chlorotoluene

Concen: 99.687 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 91 Resp: 856758

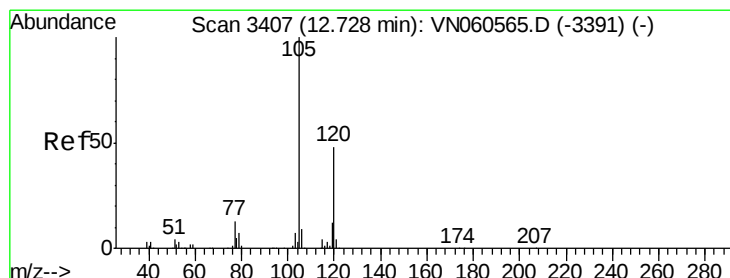
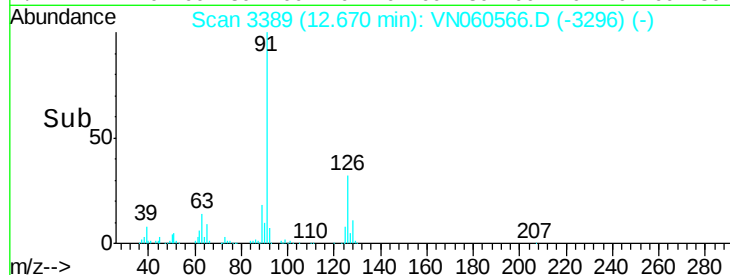
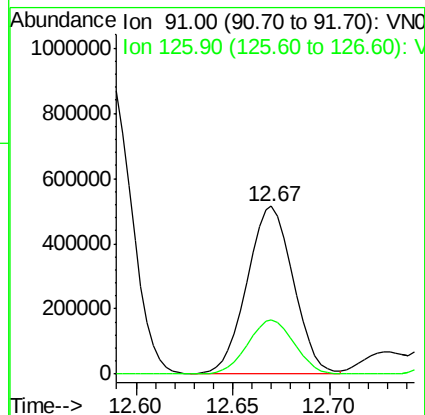
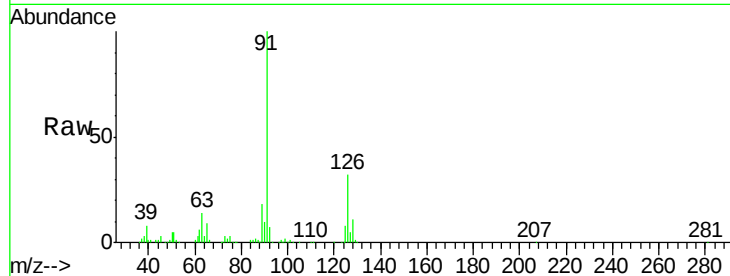
Ion Ratio Lower Upper

91 100

126 32.5 16.4 49.1

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 99.771 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060566.D

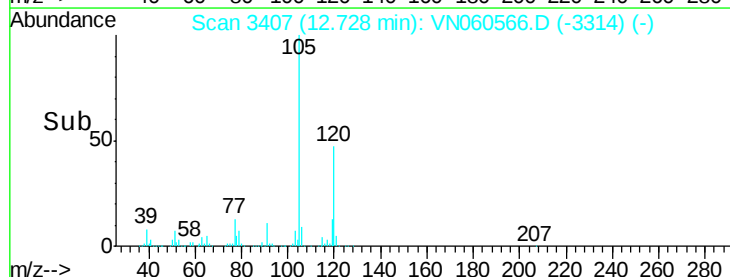
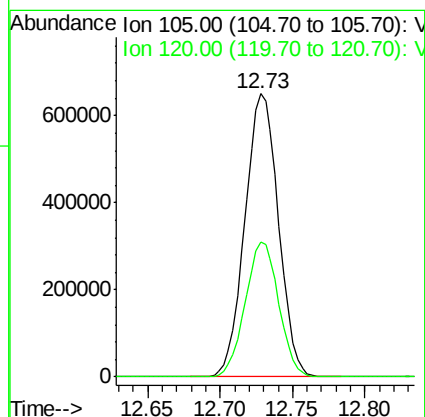
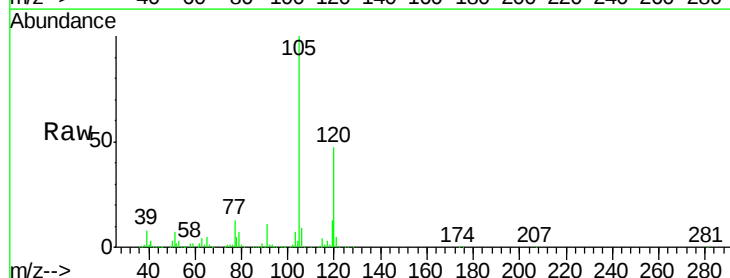
Acq: 17 Mar 2020 19:35

Tgt Ion: 105 Resp: 1043641

Ion Ratio Lower Upper

105 100

120 47.6 23.9 71.7





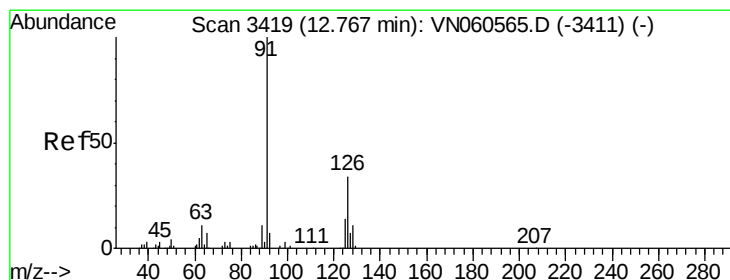
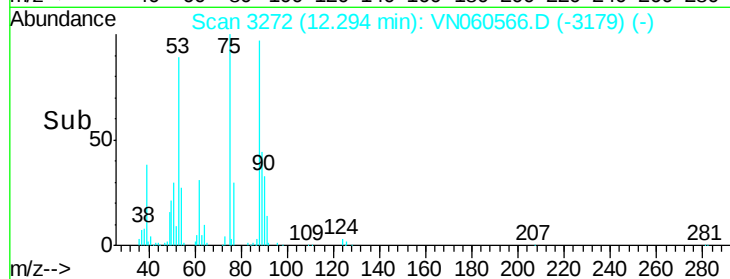
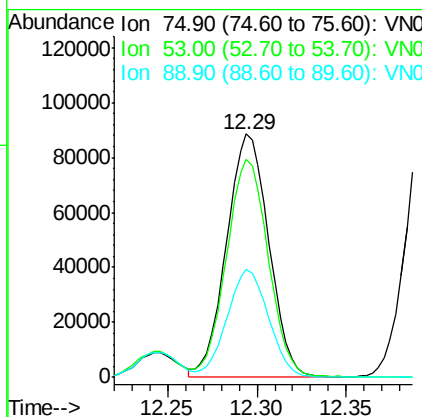
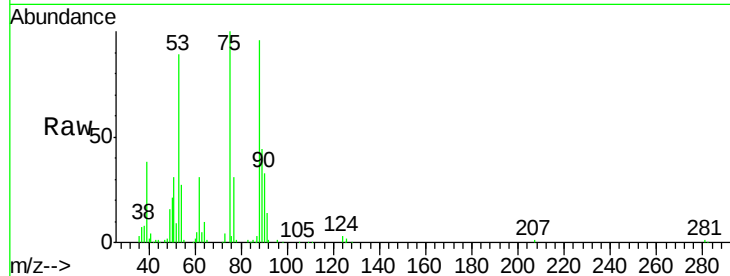
#81
trans-1,4-Dichloro-2-butene
Concen: 109.358 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.4	73.0	109.4
89	43.4	34.8	52.2

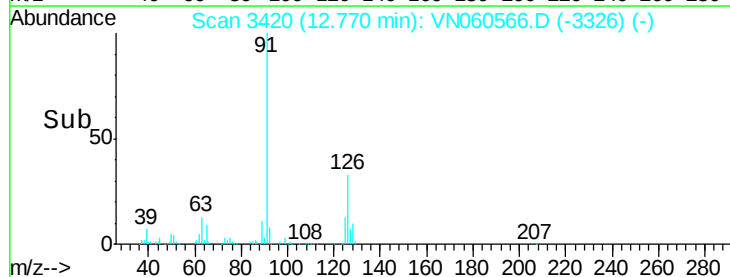
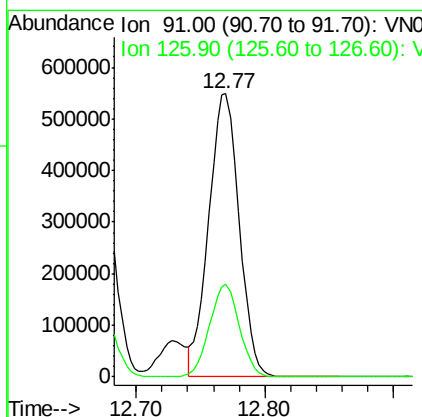
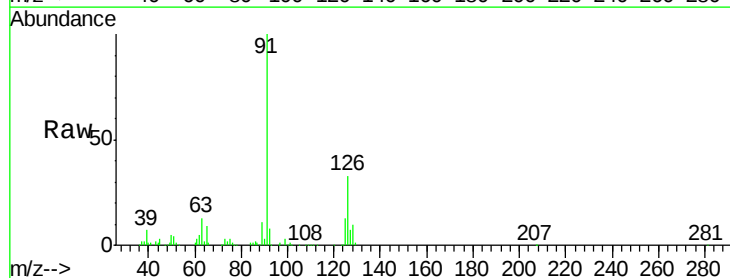
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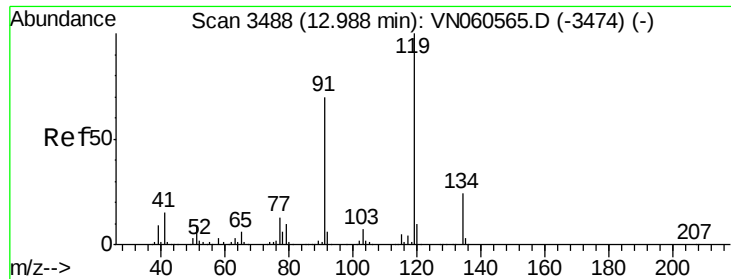
MMDadoda
3/18/2020 7:00:41 PM



#82
4-Chlorotoluene
Concen: 99.240 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.2	48.5





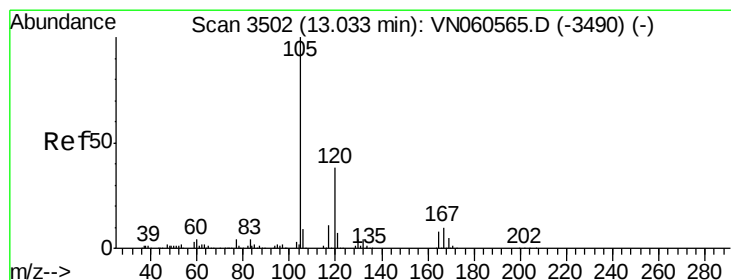
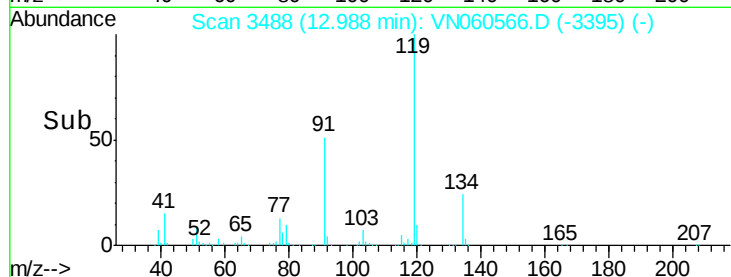
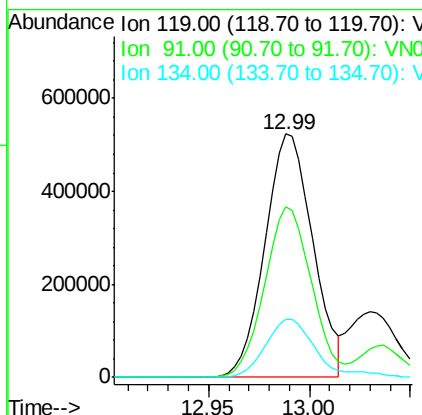
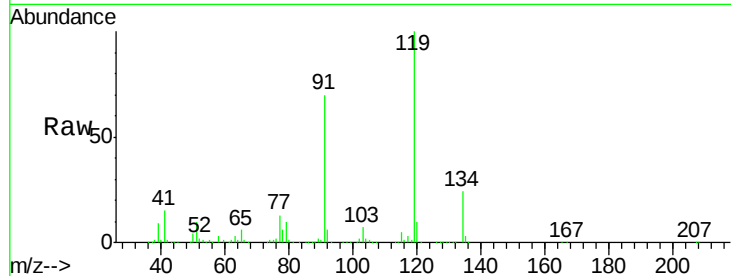
#83
tert-Butylbenzene
Concen: 96.200 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.0	101.8
134	25.2	12.7	38.0

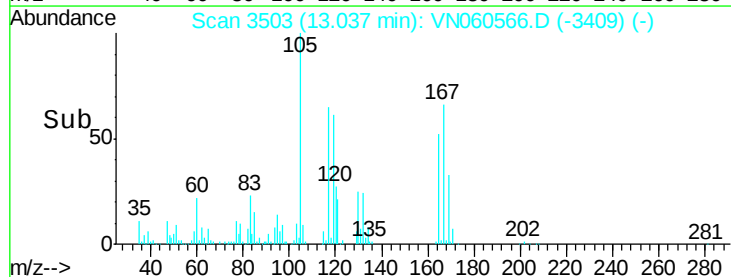
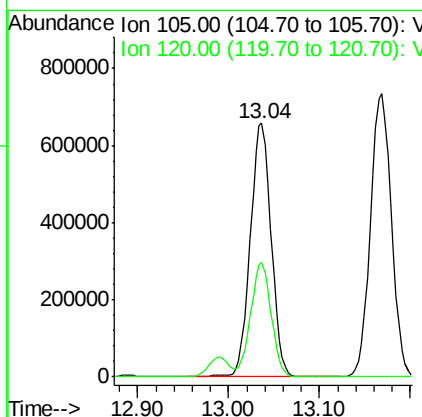
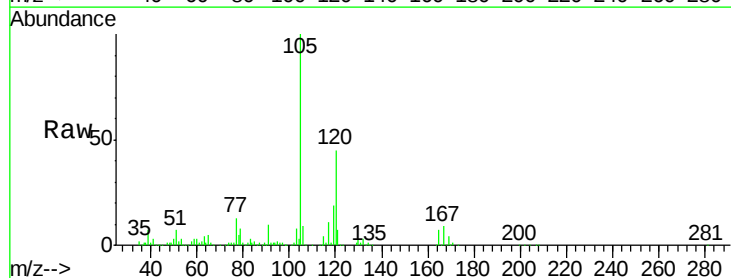
Manual Integrations
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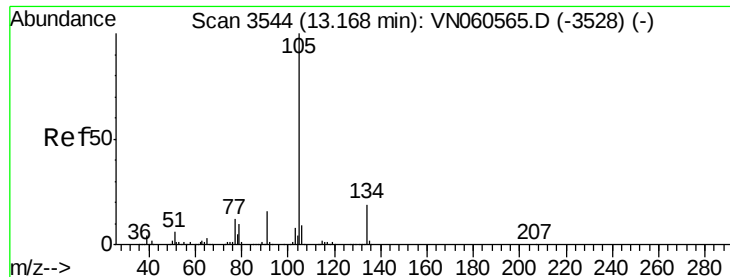
MMDadoda
3/18/2020 7:00:41 PM



#84
1,2,4-Trimethylbenzene
Concen: 99.365 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5





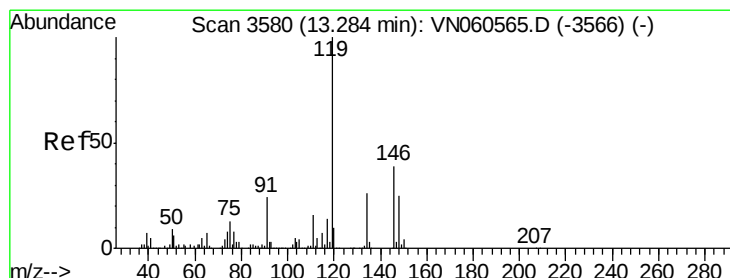
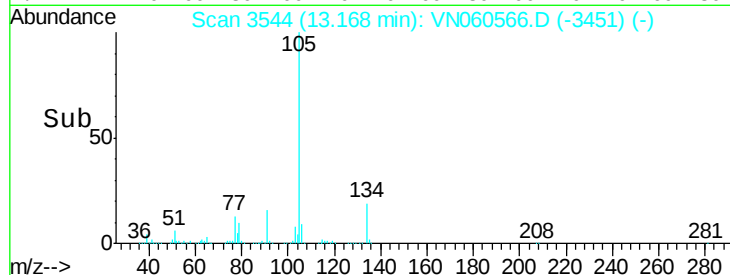
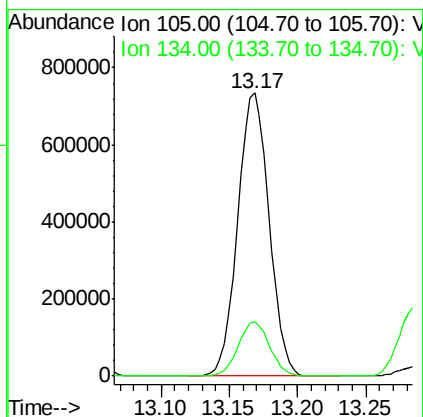
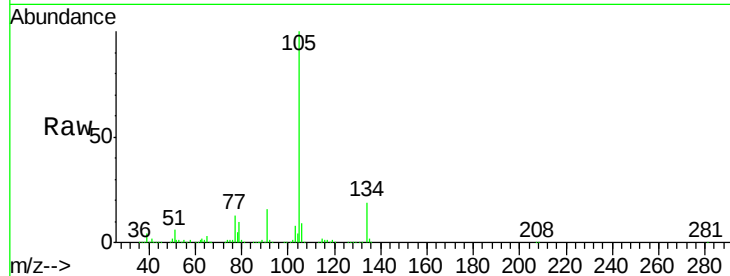
#85
 sec-Butylbenzene
 Concen: 97.068 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060566.D
 Acq: 17 Mar 2020 19:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion:105 Resp: 1171647
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.6 28.8

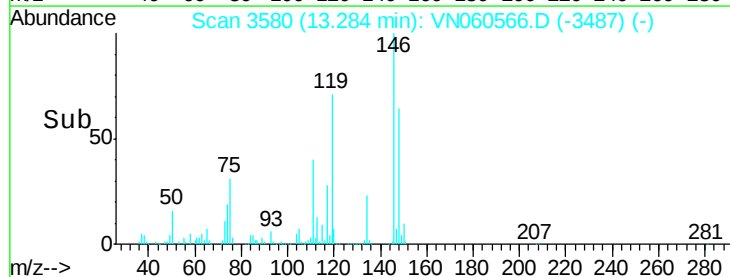
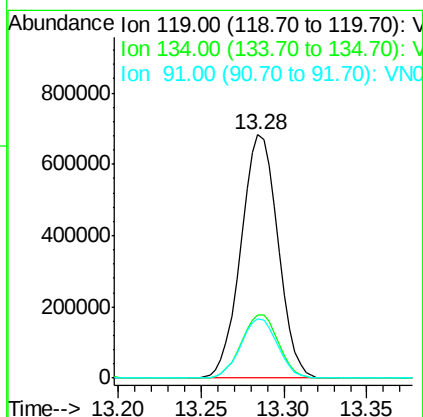
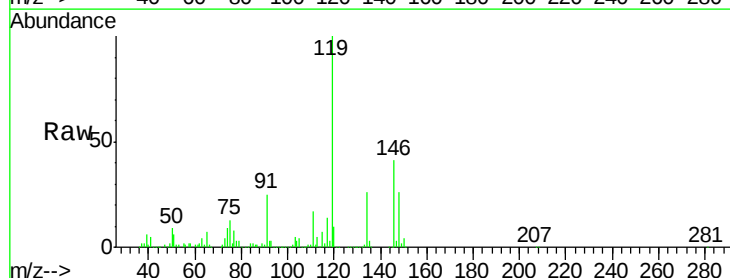
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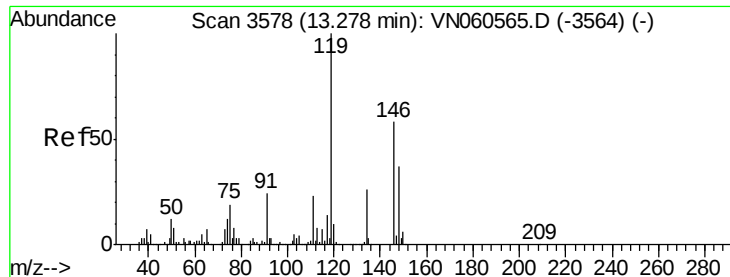
MMDadoda
 3/18/2020 7:00:41 PM



#86
 p-Isopropyltoluene
 Concen: 95.237 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060566.D
 Acq: 17 Mar 2020 19:35

Tgt Ion:119 Resp: 1061666
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 39.0
 91 24.3 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 92.701 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Instrument :

MSVOA_N

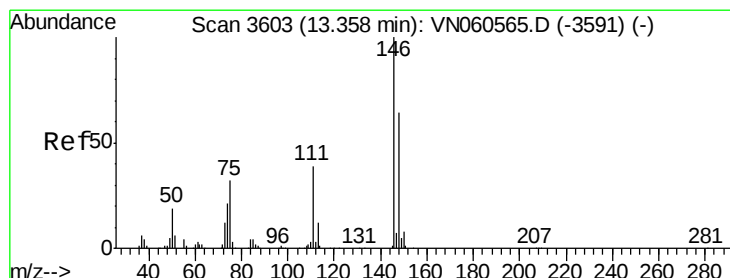
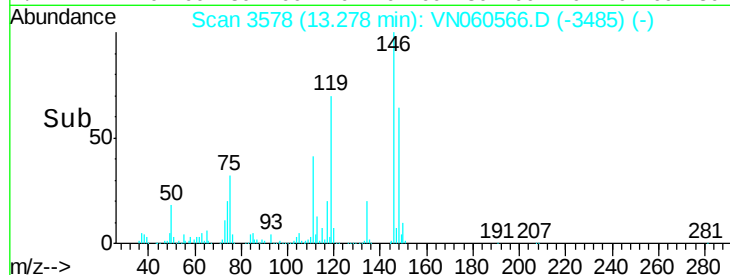
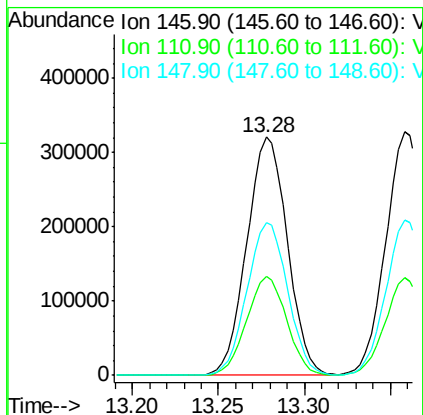
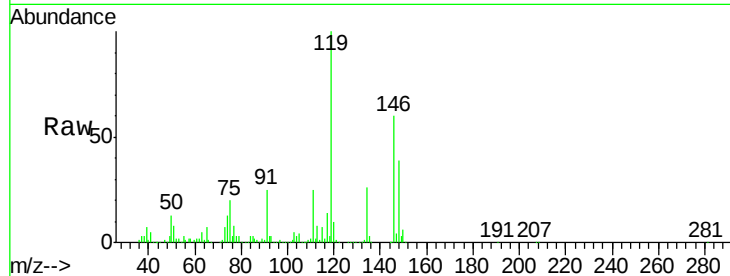
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	526161
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.3	60.8
148	64.3	32.5	97.4

Manual Integrations
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3/18/2020 7:00:41 PM



#88

1,4-Dichlorobenzene

Concen: 93.449 ug/l

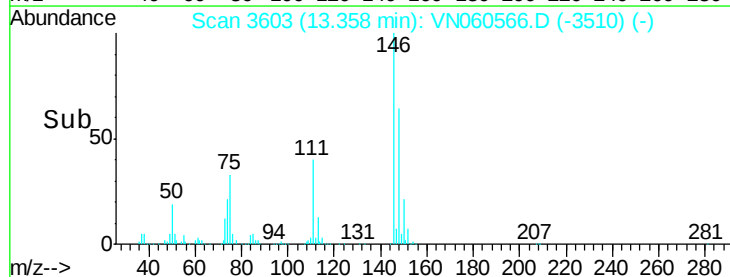
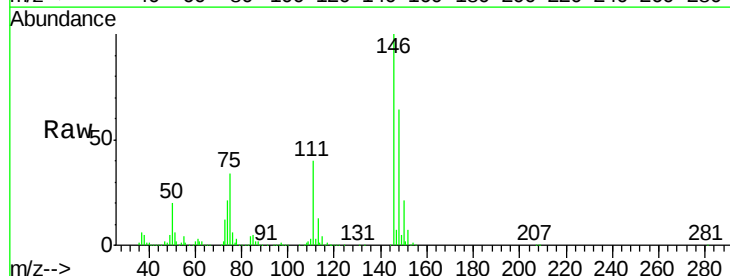
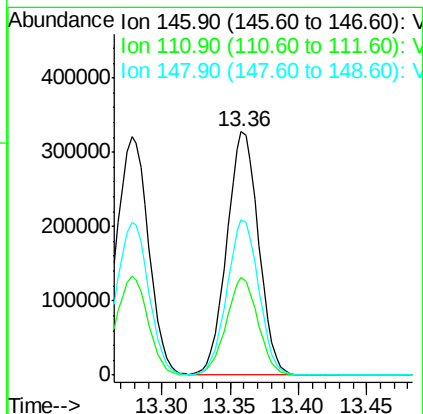
RT: 13.36 min Scan# 3603

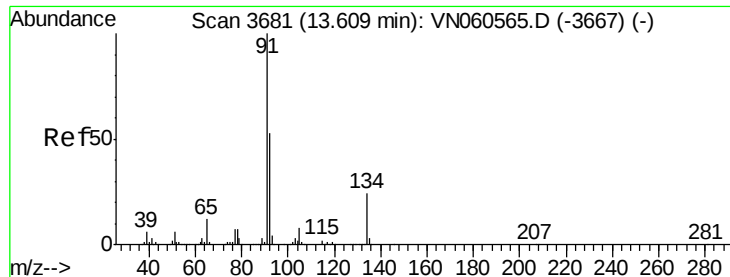
Delta R.T. -0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Tgt Ion:	146	Resp:	529225
Ion Ratio	Lower	Upper	
146	100		
111	39.7	19.6	58.7
148	64.1	32.1	96.3





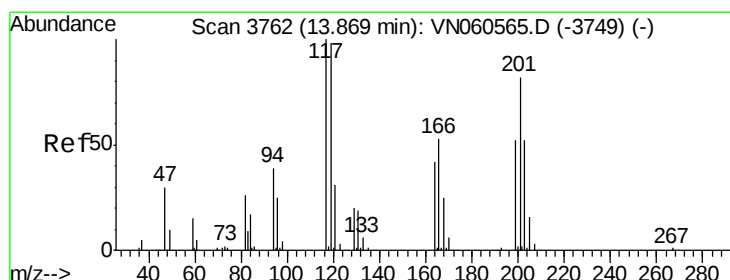
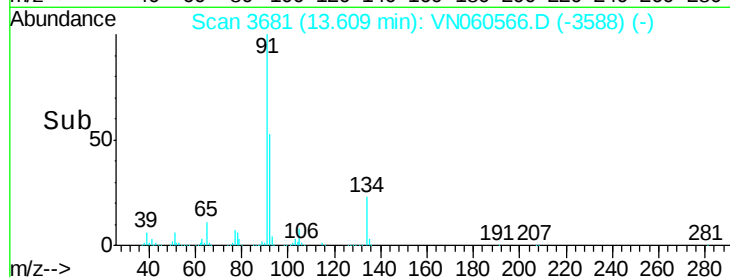
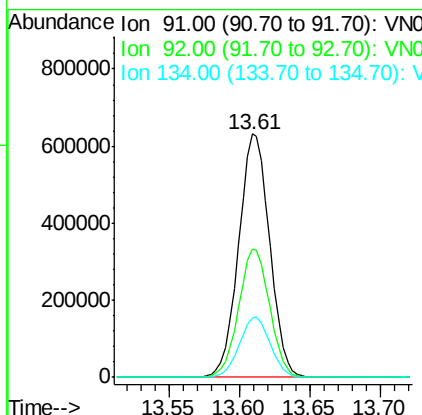
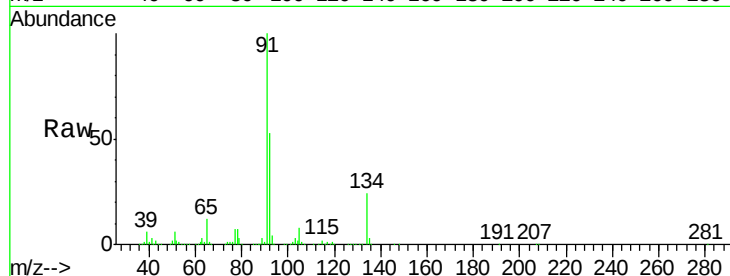
#89
n-Butylbenzene
Concen: 95.060 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.5
134	24.7	12.3	36.9

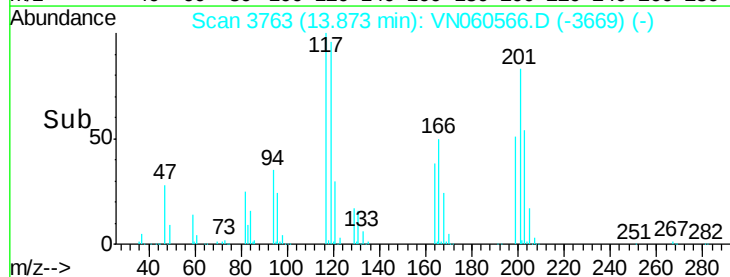
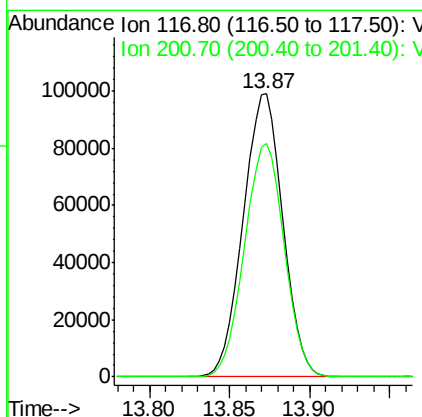
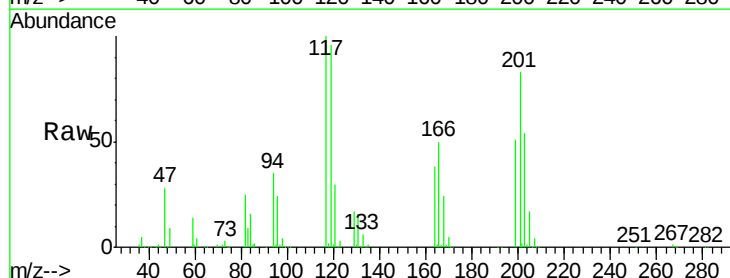
Manual Integrations
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3/18/2020 7:00:41 PM



#90
Hexachloroethane
Concen: 104.111 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.7	40.8	122.5





#91

1,2-Dichlorobenzene

Concen: 95.064 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Instrument :

MSVOA_N

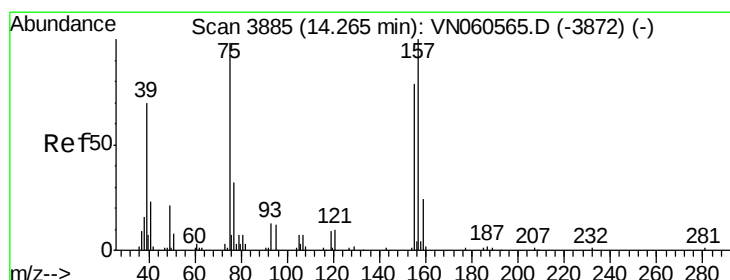
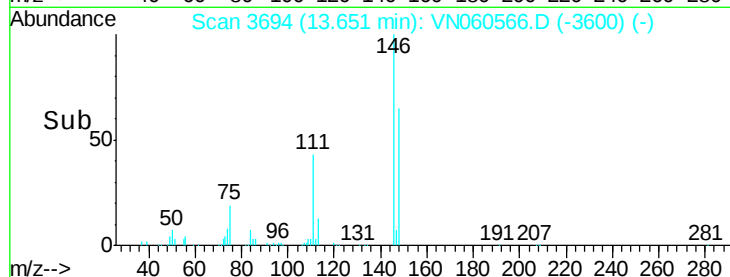
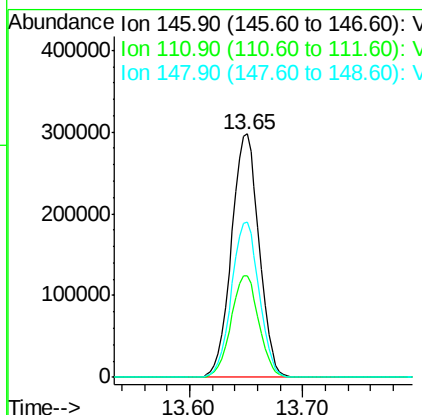
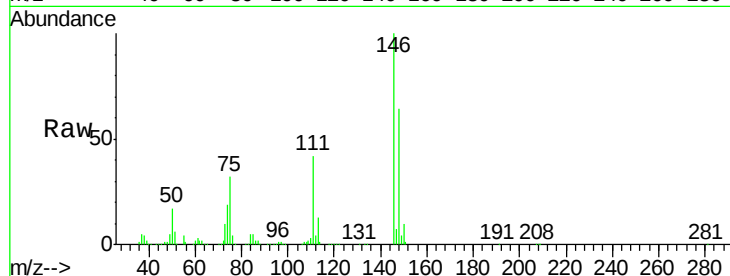
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	504528
Ion Ratio	Lower	Upper	
146	100		
111	42.0	21.0	63.0
148	63.9	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 104.447 ug/l

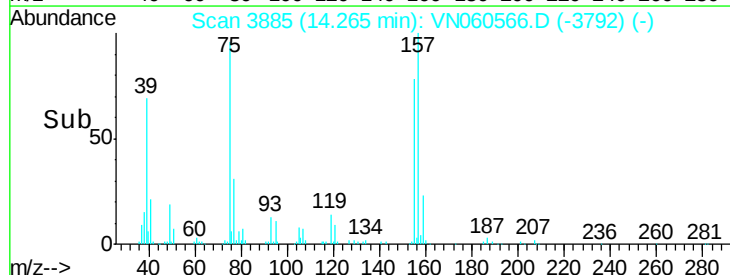
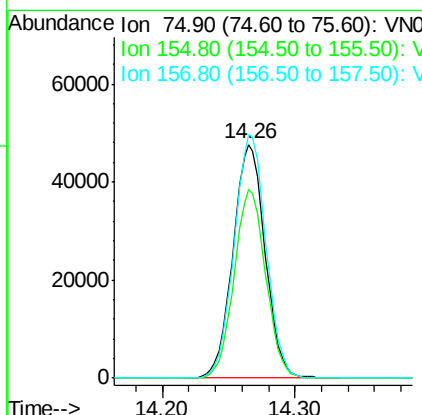
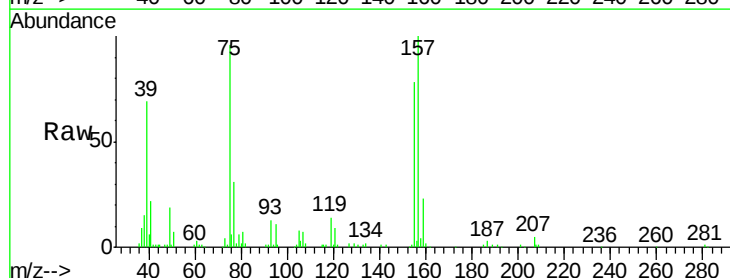
RT: 14.26 min Scan# 3885

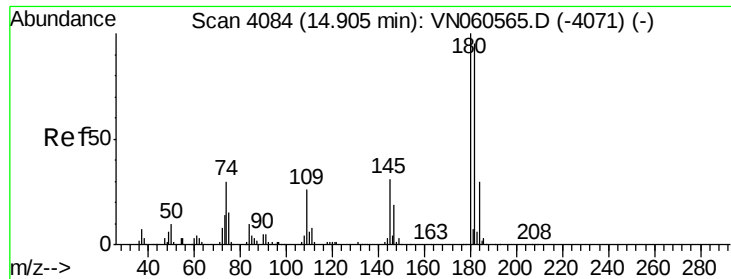
Delta R.T. 0.00 min

Lab File: VN060566.D

Acq: 17 Mar 2020 19:35

Tgt Ion:	75	Resp:	79979
Ion Ratio	Lower	Upper	
75	100		
155	79.2	40.7	122.1
157	103.3	51.5	154.7





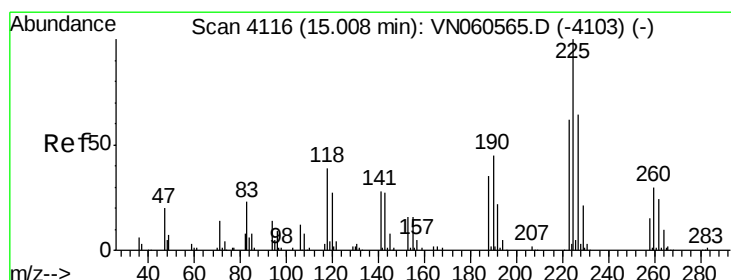
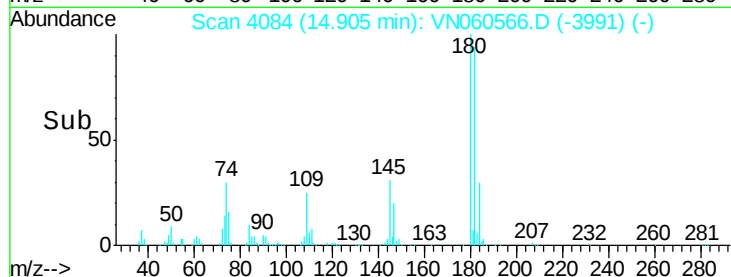
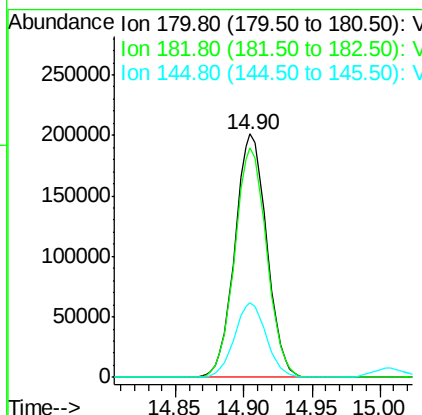
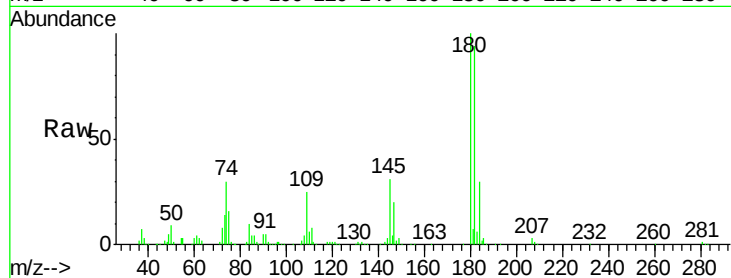
#93
 1,2,4-Trichlorobenzene
 Concen: 87.249 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060566.D
 Acq: 17 Mar 2020 19:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.8
145	30.5	15.4	46.2

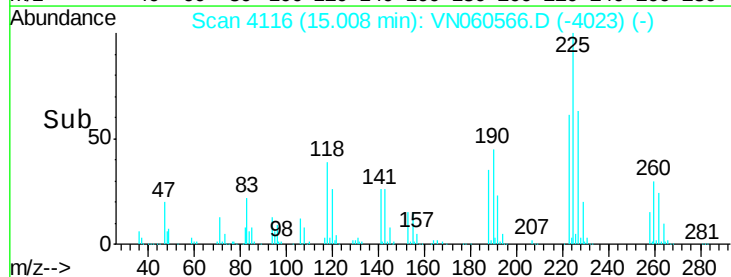
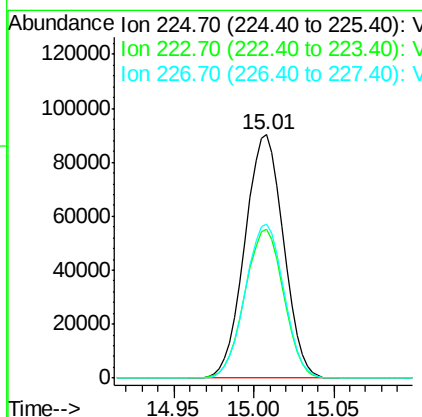
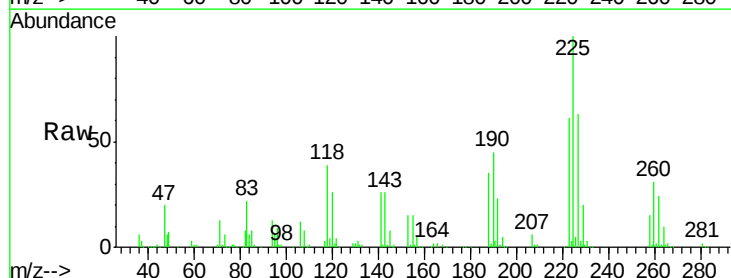
Manual Integrations
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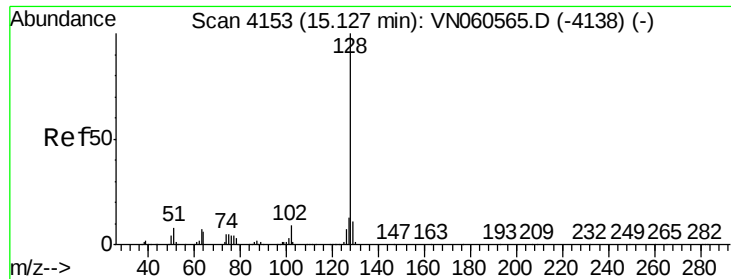
MMDadoda
 3/18/2020 7:00:41 PM



#94
 Hexachlorobutadiene
 Concen: 84.055 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060566.D
 Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.6	95.0
227	63.2	32.3	96.8





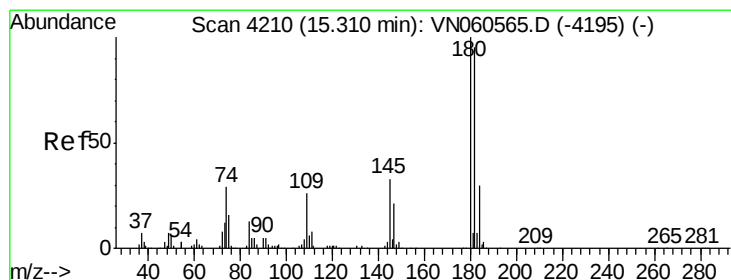
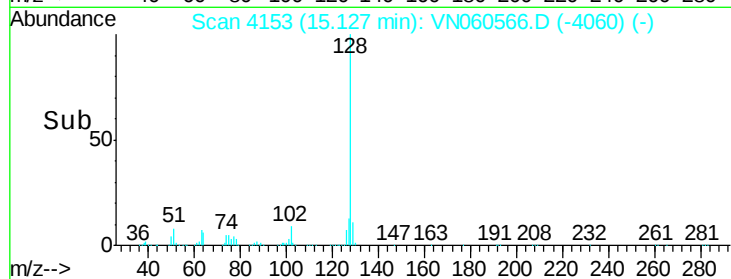
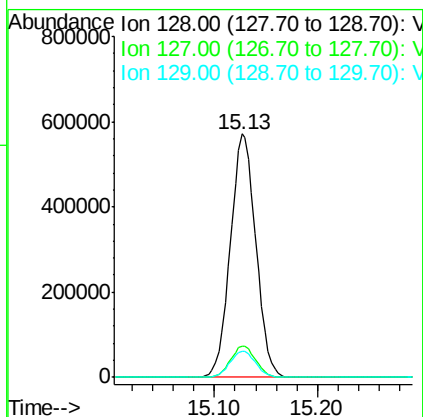
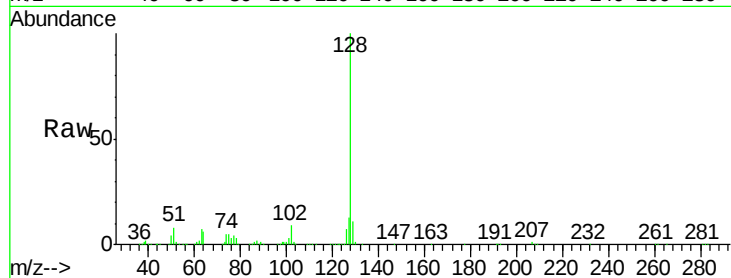
#95
Naphthalene
Concen: 91.051 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	981751		
127	12.9		10.2	15.2
129	10.9		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 87.707 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060566.D
Acq: 17 Mar 2020 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	308360		
182	94.9		47.5	142.6
145	32.1		16.3	48.8

