

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061008.D
 Acq On : 16 Apr 2020 13:04
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:53:16 AM

Quant Time: Apr 16 13:27:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 16 12:43:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	170403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	288202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	265622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128873	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	312178	136.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	273.52%	
35) Dibromofluoromethane	7.56	113	246936	143.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	287.90%	
50) Toluene-d8	10.08	98	914065	133.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	266.32%	
62) 4-Bromofluorobenzene	12.39	95	374121	146.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	292.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	338809	193.812	ug/l	99
3) Chloromethane	2.03	50	472440	153.099	ug/l	99
4) Vinyl Chloride	2.16	62	387716	159.469	ug/l	100
5) Bromomethane	2.52	94	183426	169.241	ug/l	100
6) Chloroethane	2.67	64	227537	162.435	ug/l	100
7) Trichlorofluoromethane	3.00	101	472713	157.304	ug/l	100
8) Diethyl Ether	3.38	74	190694	158.668	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	267826	154.682	ug/l	99
10) Methyl Iodide	3.92	142	267296	171.671	ug/l	100
11) Tert butyl alcohol	4.73	59	291992	828.491	ug/l	100
12) 1,1-Dichloroethene	3.71	96	282523	152.725	ug/l	100
13) Acrolein	3.57	56	251191	684.359	ug/l	100
14) Allyl chloride	4.29	41	517182	157.099	ug/l	98
15) Acrylonitrile	4.94	53	845260	827.534	ug/l	99
16) Acetone	3.77	43	684080	795.091	ug/l	99
17) Carbon Disulfide	4.03	76	872359	154.636	ug/l	99
18) Methyl Acetate	4.28	43	474992	193.475	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	969474	151.933	ug/l	99
20) Methylene Chloride	4.52	84	315937	154.373	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	299742	152.053	ug/l	97
22) Diisopropyl ether	5.91	45	1103971	159.526	ug/l	97
23) Vinyl Acetate	5.85	43	4345746	773.957	ug/l	99
24) 1,1-Dichloroethane	5.81	63	591322	156.804	ug/l	100
25) 2-Butanone	6.79	43	1142331	834.936	ug/l	100
26) 2,2-Dichloropropane	6.79	77	491009	162.942	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	341222	151.901	ug/l	100
28) Bromochloromethane	7.17	49	248688	138.555	ug/l	99
29) Tetrahydrofuran	7.18	42	769716	802.056	ug/l	99
30) Chloroform	7.34	83	552284	153.192	ug/l	98
31) Cyclohexane	7.63	56	574039	150.263	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	480135	155.080	ug/l	99
36) 1,1-Dichloropropene	7.77	75	446579	158.770	ug/l	100
37) Ethyl Acetate	6.89	43	476931	156.128	ug/l	99
38) Carbon Tetrachloride	7.75	117	397521	158.675	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	543555	161.979	ug/l	99
40) Benzene	8.02	78	1302606	153.583	ug/l	100
41) Methacrylonitrile	7.14	41	219144m	167.913	ug/l	
42) 1,2-Dichloroethane	8.10	62	449611	154.945	ug/l	100
43) Isopropyl Acetate	8.14	43	809936	161.227	ug/l	100
44) Trichloroethene	8.81	130	326811	153.584	ug/l	100
45) 1,2-Dichloropropane	9.10	63	356363	158.929	ug/l	97
46) Dibromomethane	9.19	93	212309	157.375	ug/l	99
47) Bromodichloromethane	9.38	83	446478	158.691	ug/l	99
48) Methyl methacrylate	9.18	41	378264	168.743	ug/l	98
49) 1,4-Dioxane	9.18	88	97549	3613.735	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	2330714	813.874	ug/l	98
52) Toluene	10.14	92	795909	155.542	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	532703	164.720	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	570081	160.306	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	299535	152.174	ug/l	96
56) Ethyl methacrylate	10.42	69	527239	171.595	ug/l	99
57) 1,3-Dichloropropane	10.70	76	535812	156.557	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	1198948	817.916	ug/l	100
59) 2-Hexanone	10.74	43	1742574	845.018	ug/l	99
60) Dibromochloromethane	10.89	129	330206	162.944	ug/l	99
61) 1,2-Dibromoethane	10.99	107	315747	160.051	ug/l	100
64) Tetrachloroethene	10.62	164	298417	143.496	ug/l	100
65) Chlorobenzene	11.42	112	813972	153.685	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	294289	153.694	ug/l	100
67) Ethyl Benzene	11.50	91	1541949	156.538	ug/l	99
68) m/p-Xylenes	11.61	106	1131542	310.375	ug/l	97
69) o-Xylene	11.94	106	543421	156.178	ug/l	99
70) Styrene	11.96	104	941225	165.220	ug/l	99
71) Bromoform	12.12	173	244021	170.997	ug/l #	99
73) Isopropylbenzene	12.24	105	1456072	149.693	ug/l	100
74) N-amyl acetate	12.06	43	729497	161.631	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	455686	154.121	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	406360m	145.597	ug/l	
77) Bromobenzene	12.52	156	345443	147.947	ug/l	99
78) n-propylbenzene	12.59	91	1757243	152.422	ug/l	99
79) 2-Chlorotoluene	12.67	91	1028745	149.928	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1249670	151.276	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	175151	160.341	ug/l	99
82) 4-Chlorotoluene	12.77	91	1083796	154.735	ug/l	100
83) tert-Butylbenzene	12.99	119	1041236	152.021	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	1257064	153.936	ug/l	99
85) sec-Butylbenzene	13.17	105	1427844	154.658	ug/l	99
86) p-Isopropyltoluene	13.28	119	1290015	155.537	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	630236	152.487	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	636782	153.569	ug/l	99
89) n-Butylbenzene	13.61	91	1246773	165.674	ug/l	99
90) Hexachloroethane	13.87	117	204455	169.068	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	598266	151.821	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	97103	146.577	ug/l	99

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QLast Update : Thu Apr 16 12:43:37 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	392702	162.373	ug/l	99
94) Hexachlorobutadiene	15.00	225	180500	150.977	ug/l	100
95) Naphthalene	15.13	128	1179875	163.041	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	376414	157.980	ug/l	100

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

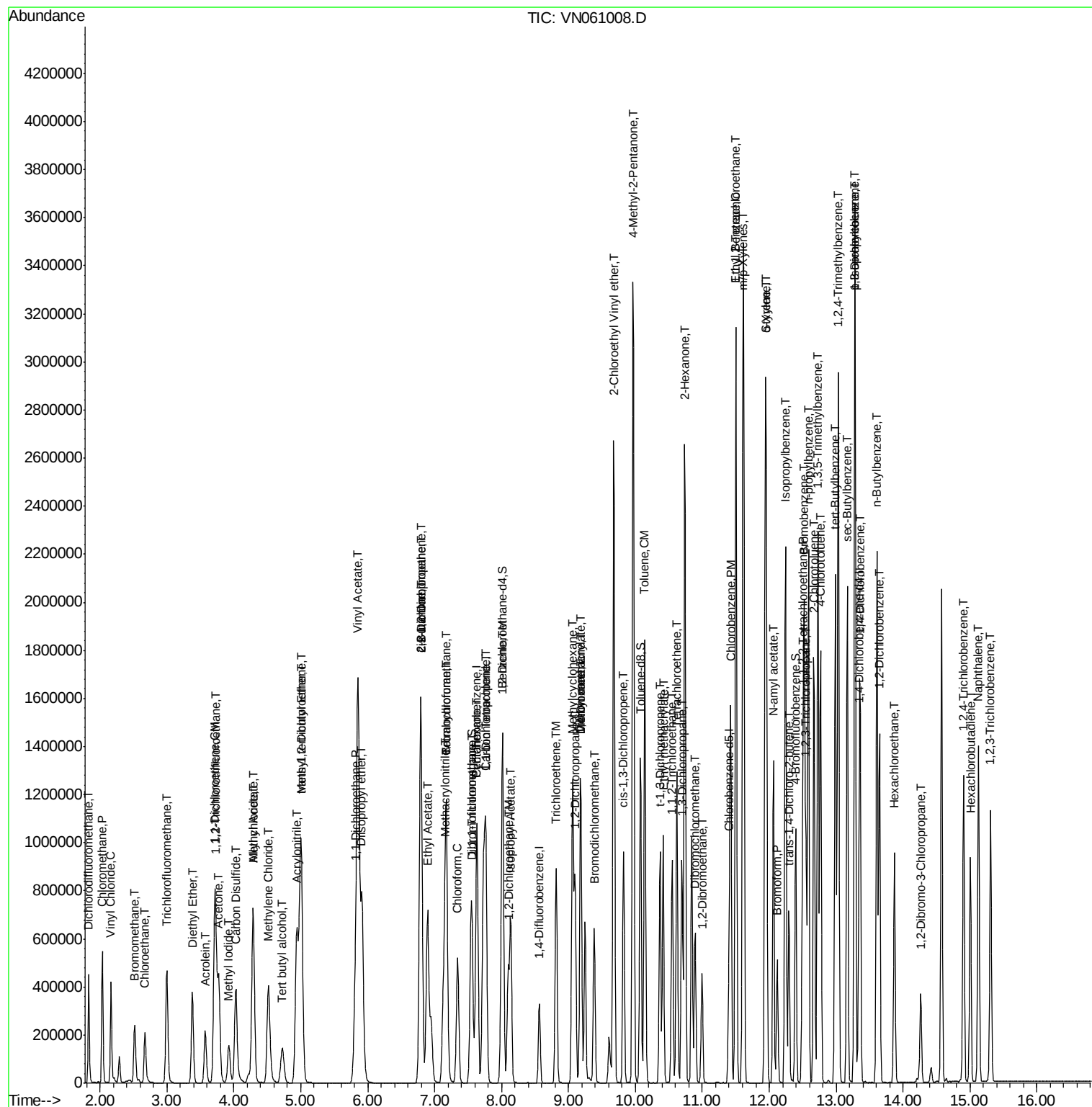
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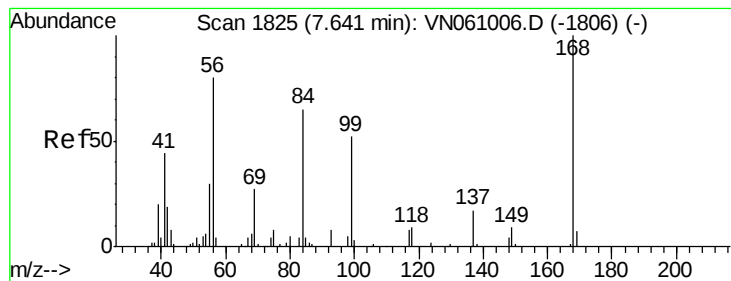
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDIC150

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

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Acq: 16 Apr 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 170403

Ion Ratio Lower Upper

168 100

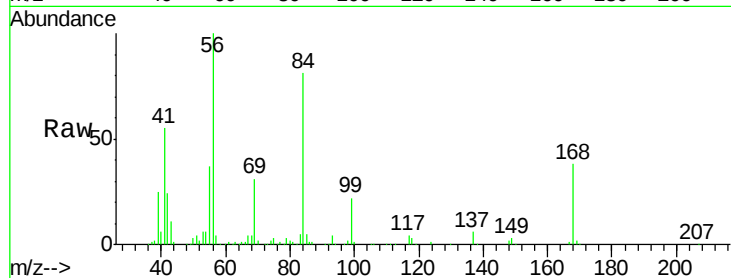
99 58.6 47.4 71.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

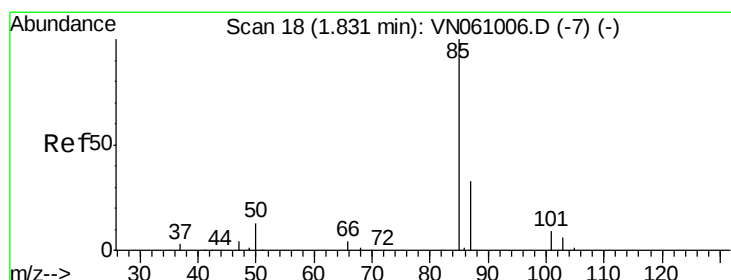
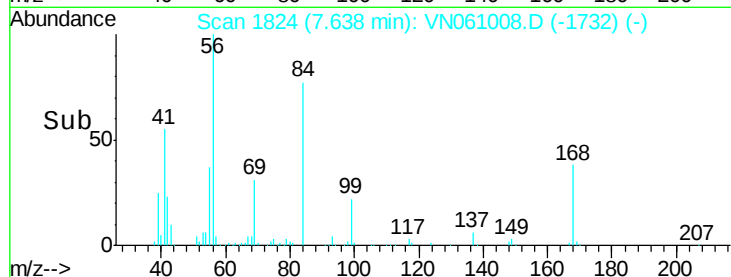
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 193.812 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061008.D

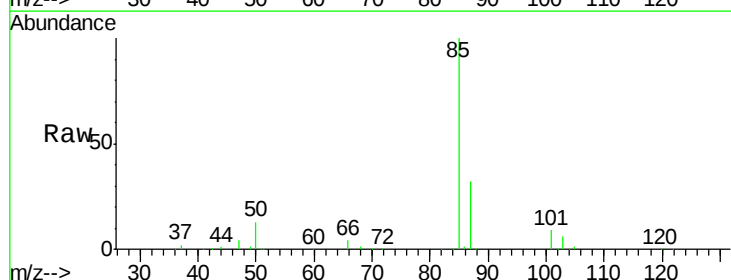
Acq: 16 Apr 2020 13:04

Tgt Ion: 85 Resp: 338809

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

300000

250000

200000

150000

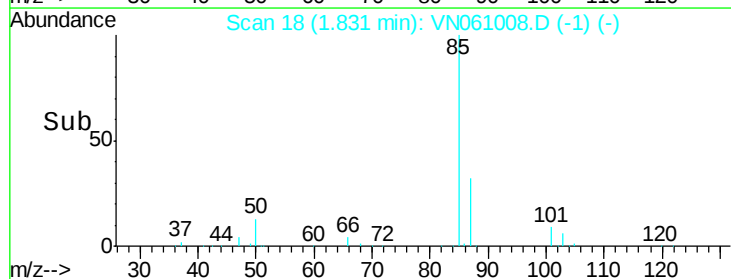
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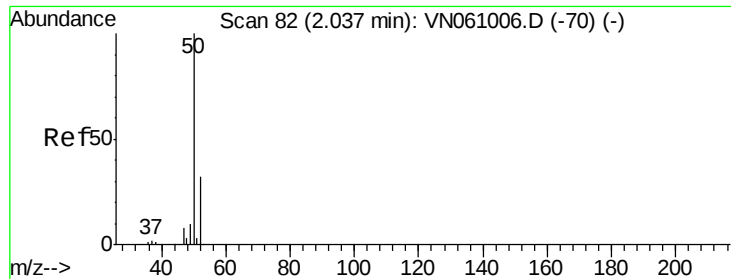
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 153.099 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 472440

Ion Ratio Lower Upper

50 100

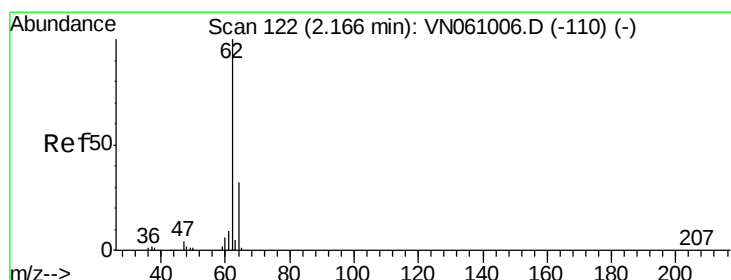
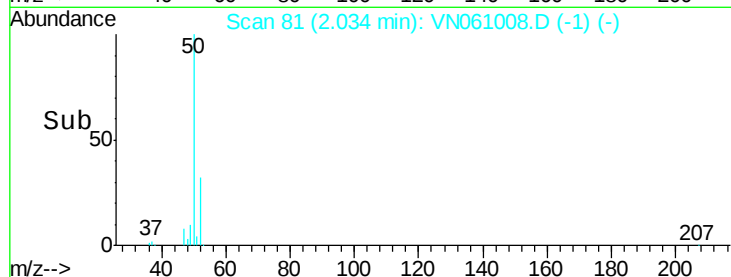
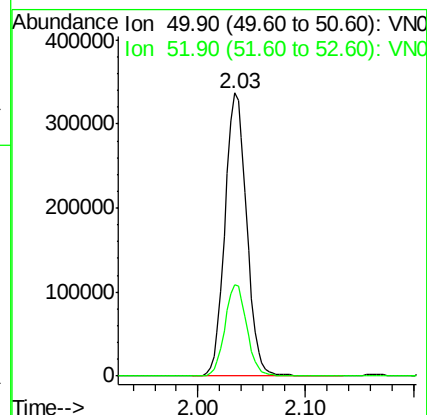
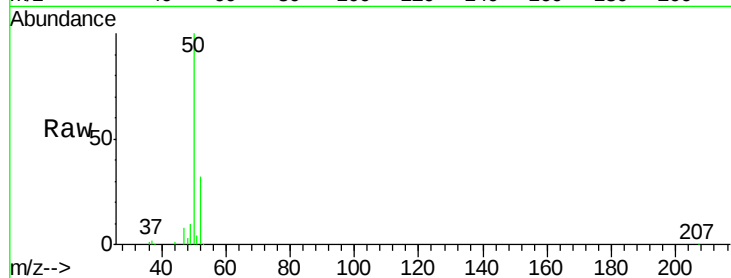
52 32.4 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 159.469 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN061008.D

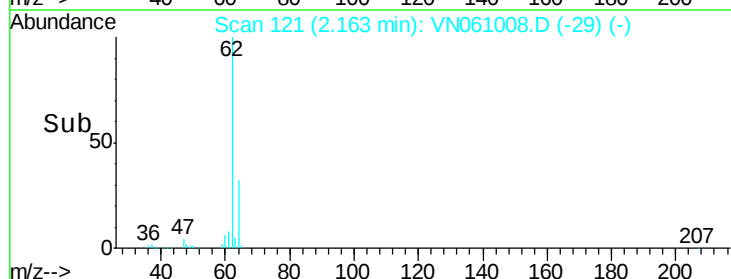
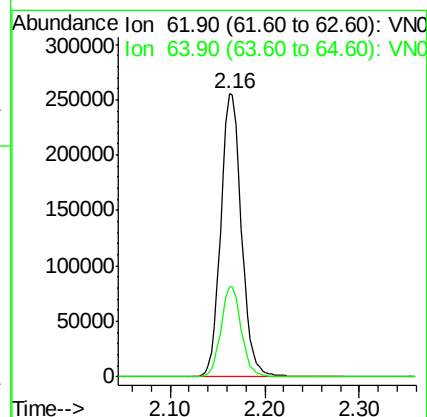
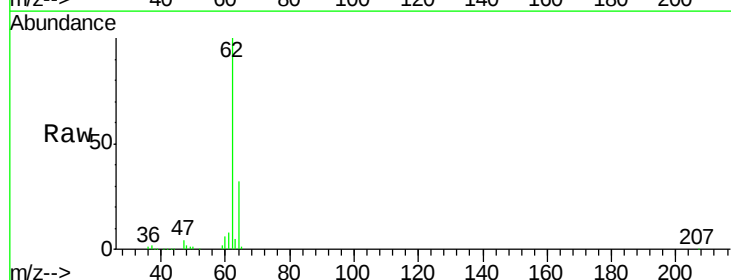
Acq: 16 Apr 2020 13:04

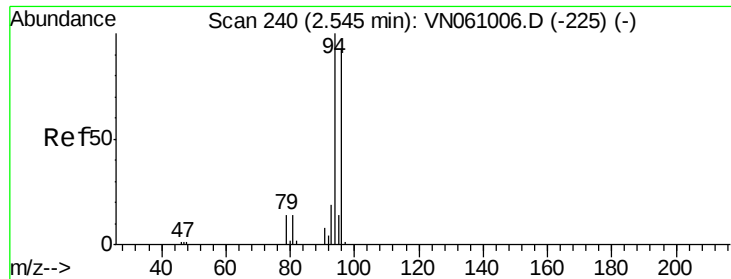
Tgt Ion: 62 Resp: 387716

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 169.241 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.03 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

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ClientSampleId :

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Tot Ion: 94 Resp: 183426

Ion Ratio Lower Upper

94 100

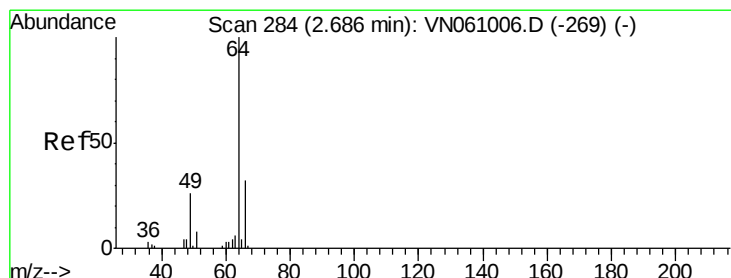
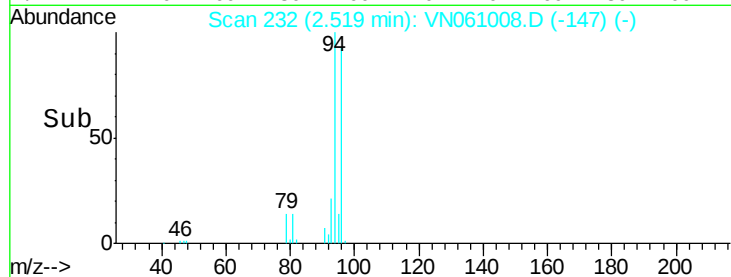
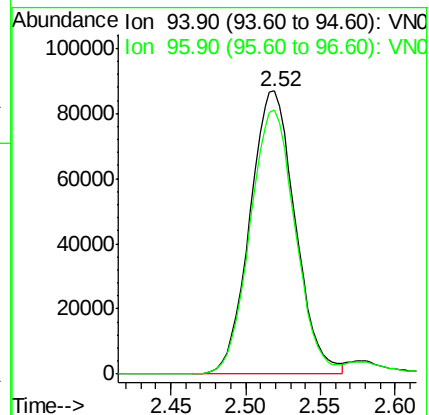
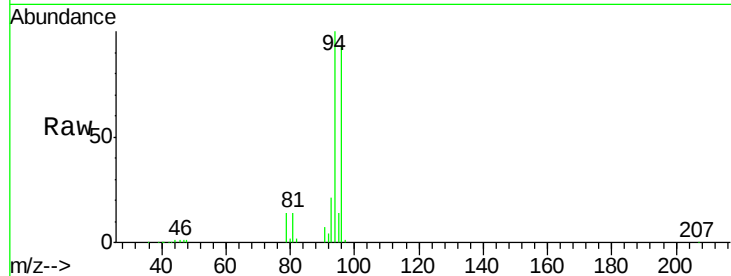
96 93.2 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 162.435 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.02 min

Lab File: VN061008.D

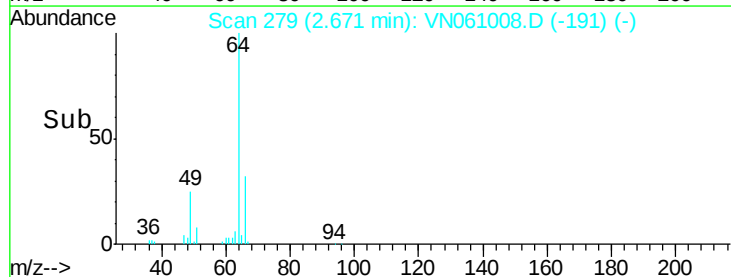
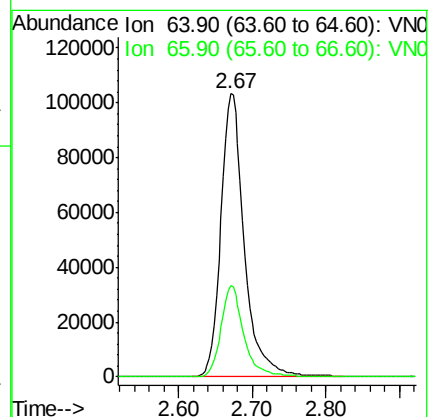
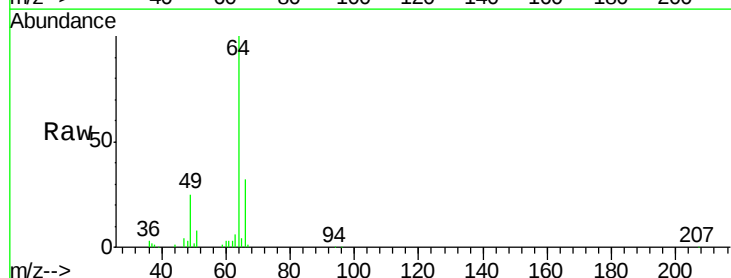
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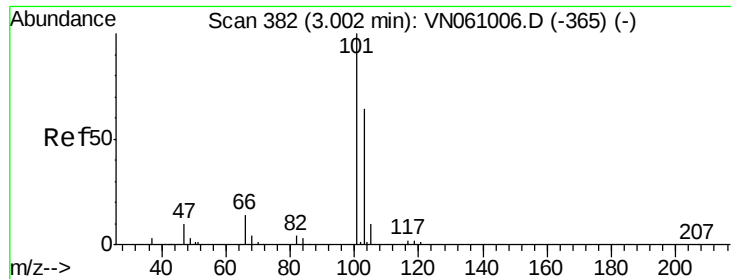
Tgt Ion: 64 Resp: 227537

Ion Ratio Lower Upper

64 100

66 32.2 25.8 38.8





#7

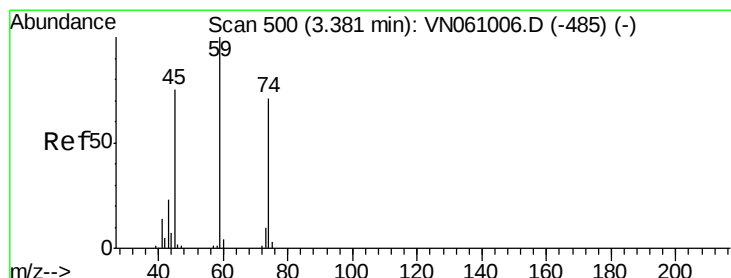
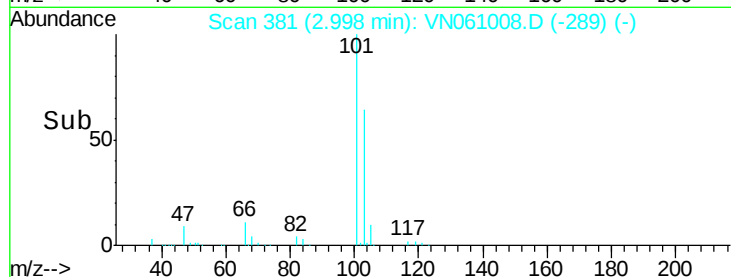
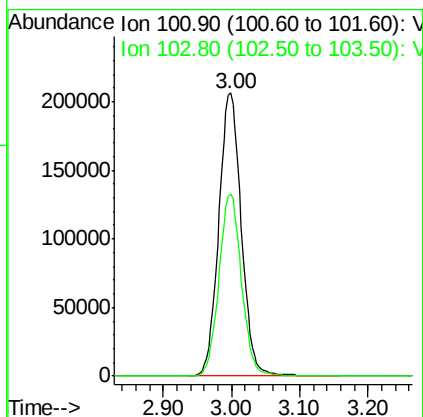
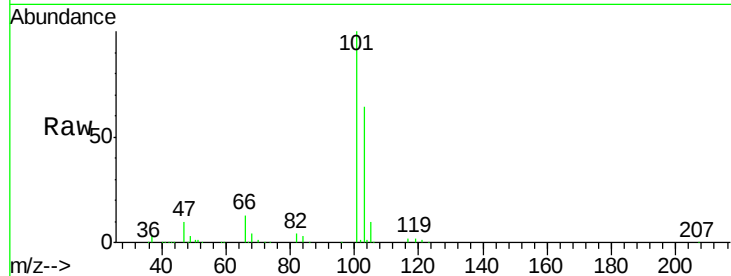
Trichlorofluoromethane
Concen: 157.304 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN061008.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2

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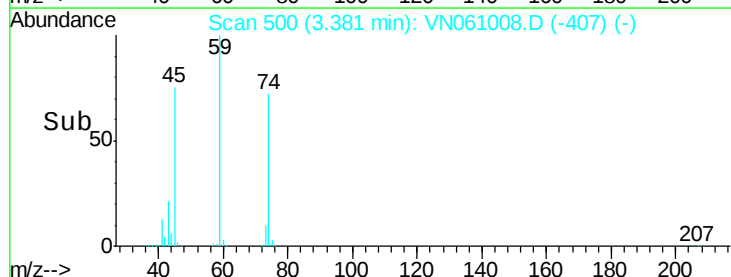
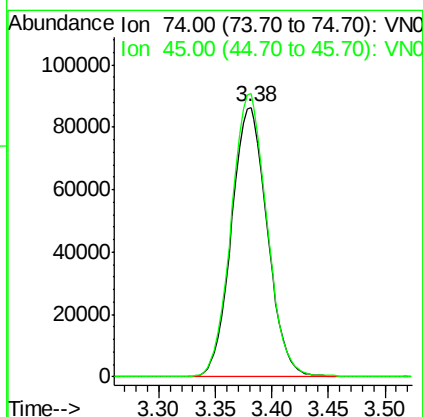
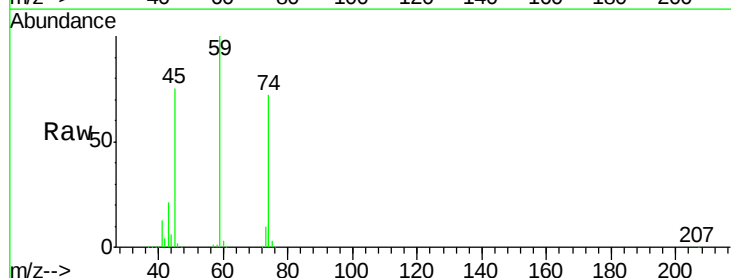
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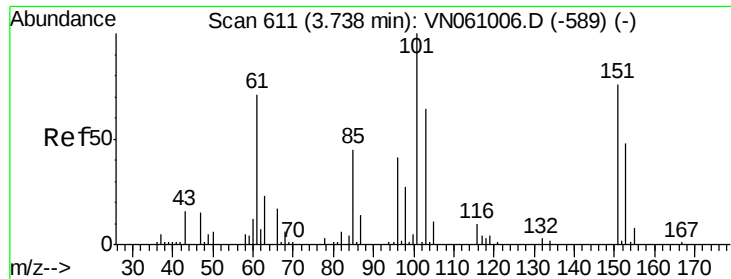


#8

Diethyl Ether
Concen: 158.668 ug/l
RT: 3.38 min Scan# 500
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.9	52.9	158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 154.682 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Instrument :

MSVOA_N

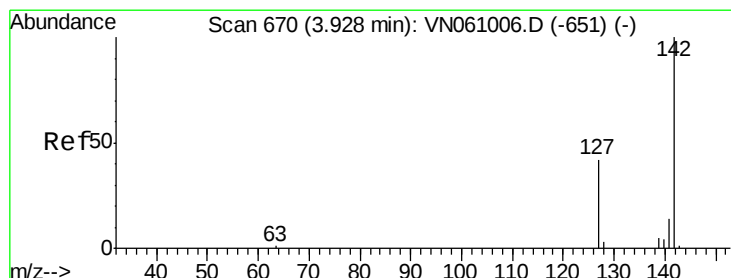
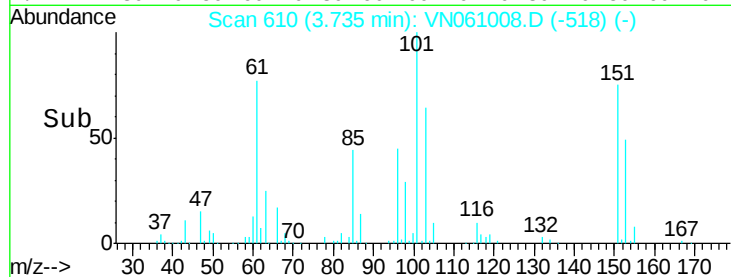
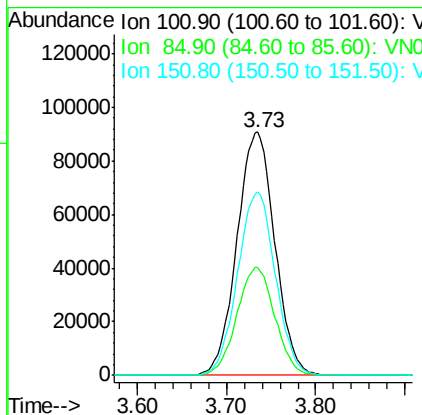
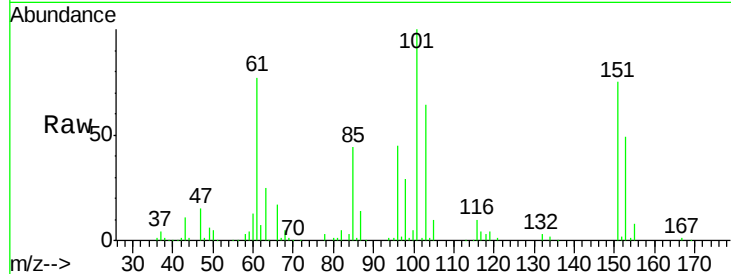
ClientSampled :

VSTDIC150

Tot Ion:	101	Resp:	267826
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.9	53.9
151	75.3	60.8	91.2

Manual Integrations
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MMDadoda
4/17/2020 11:53:16 AM



#10

Methyl Iodide

Concen: 171.671 ug/l

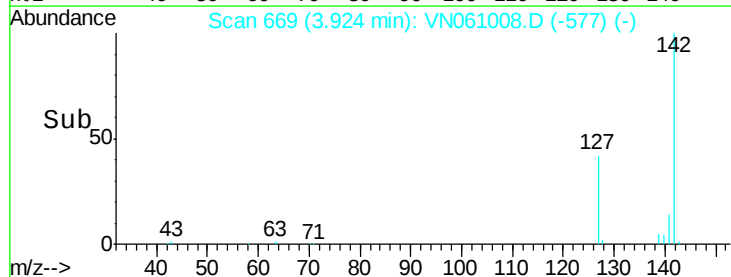
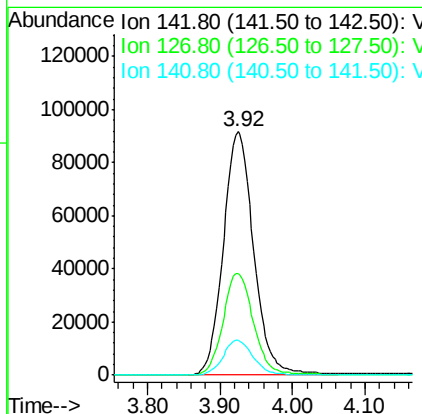
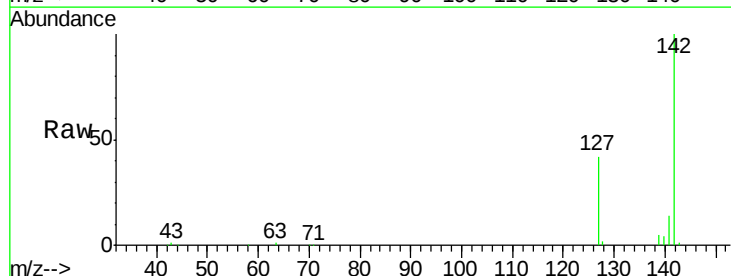
RT: 3.92 min Scan# 669

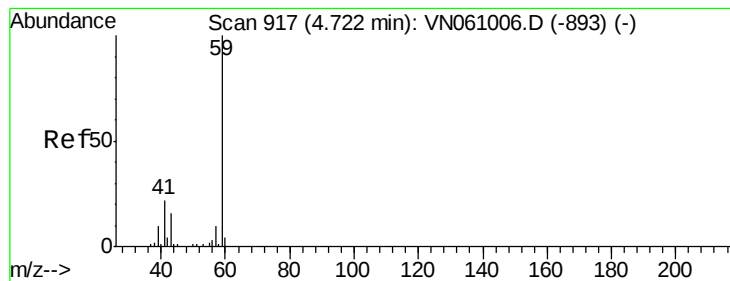
Delta R.T. -0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Tgt Ion:	142	Resp:	267296
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.4	50.2
141	14.2	11.0	16.6





#11

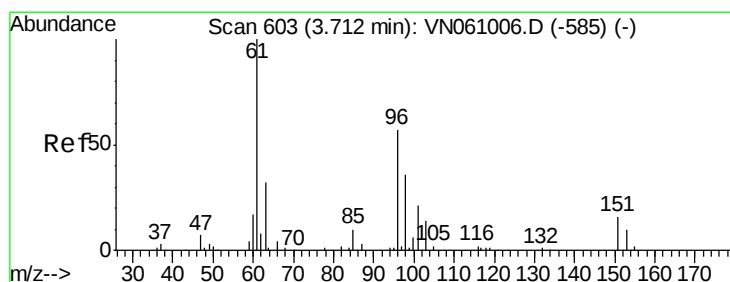
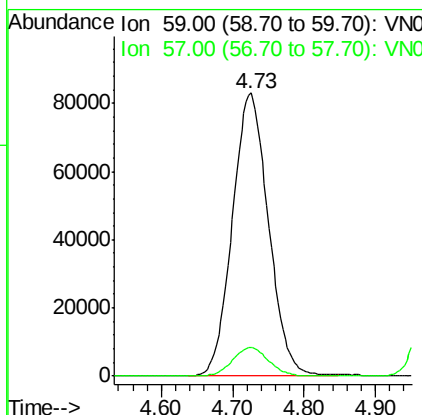
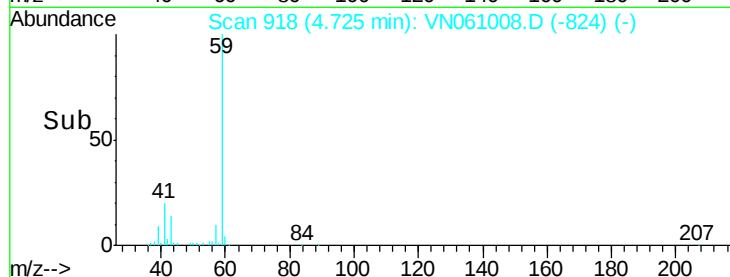
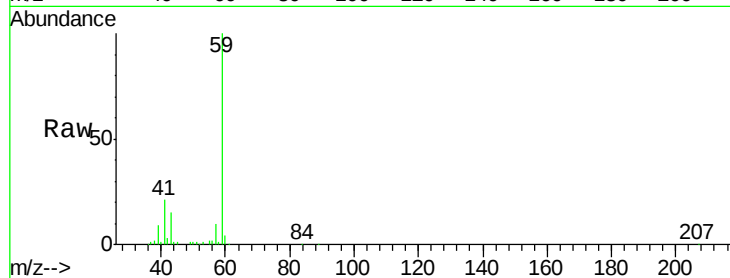
Tert butyl alcohol
Concen: 828.491 ug/l
RT: 4.73 min Scan# 918
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	291992		
57	10.2		8.1	12.1

Manual Integrations
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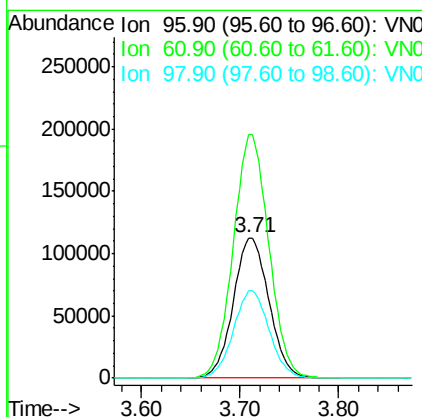
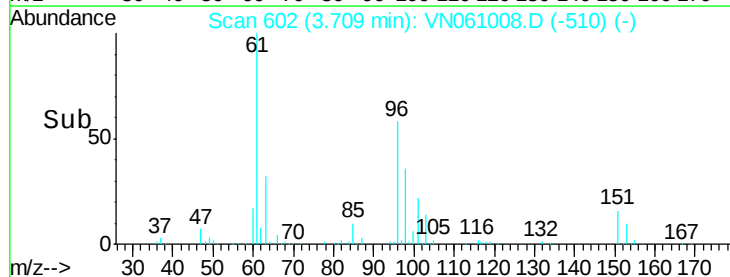
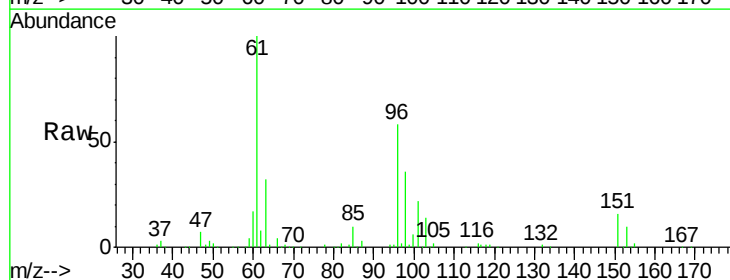
MMDadoda
4/17/2020 11:53:16 AM

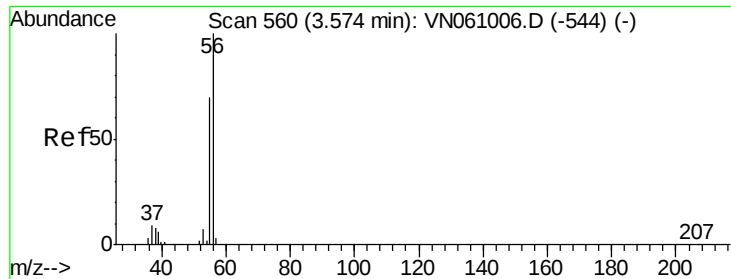


#12

1,1-Dichloroethene
Concen: 152.725 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	282523		
61	173.7		139.2	208.8
98	62.1		50.0	75.0





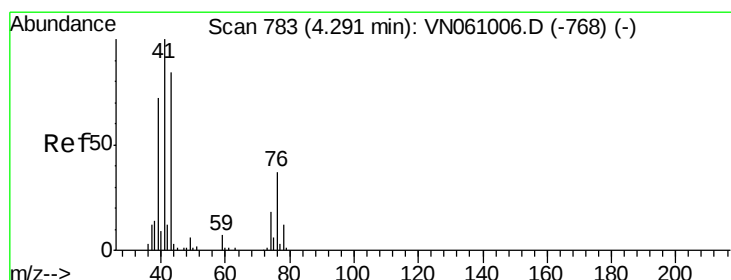
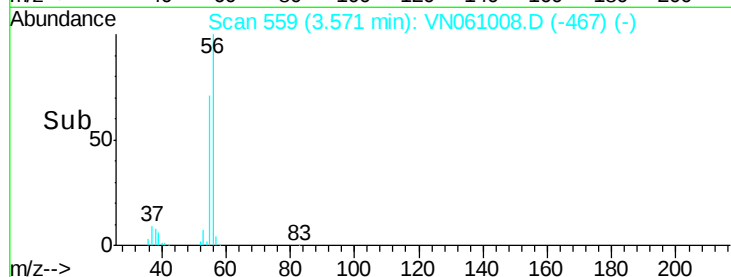
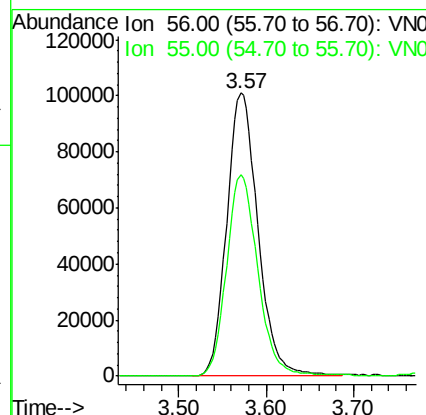
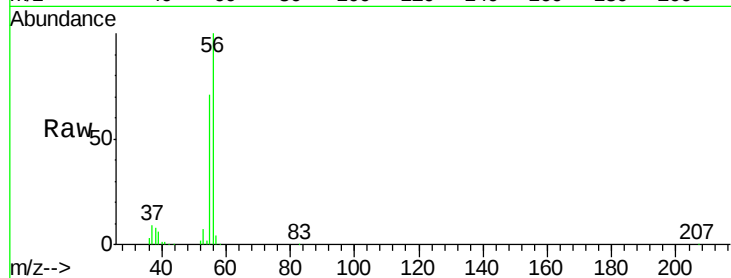
#13
Acrolein
Concen: 684.359 ug/l
RT: 3.57 min Scan# 559
Delta R.T. -0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	56	Resp	251191
Ion Ratio	100	Lower	Upper
56	100		
55	71.0	57.0	85.6

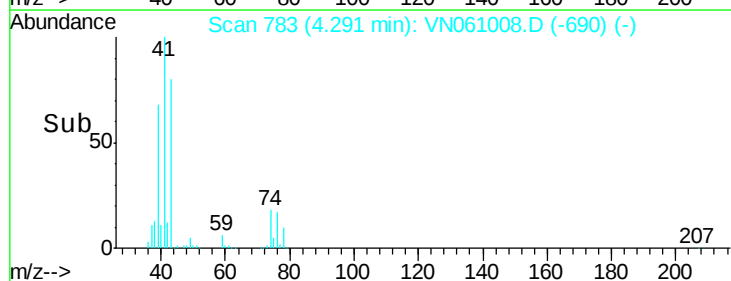
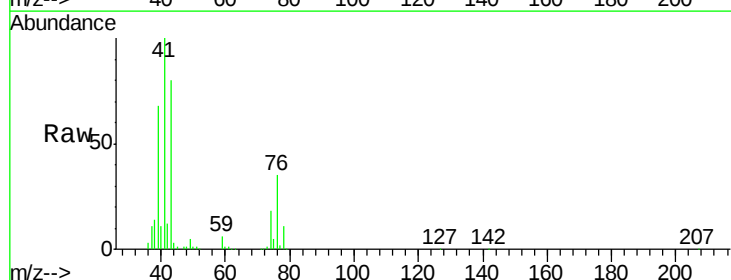
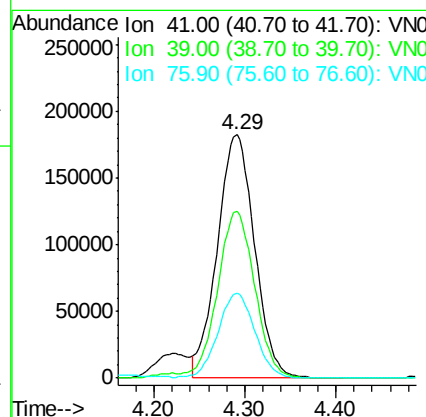
Manual Integrations
APPROVED

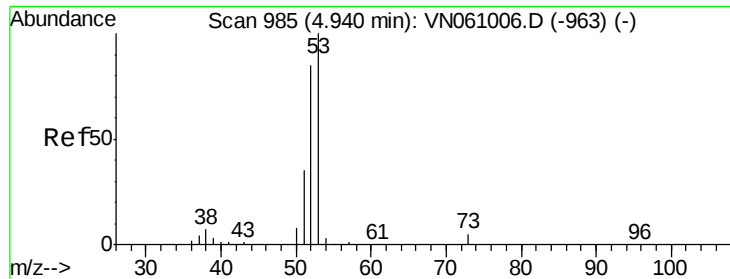
MMDadoda
4/17/2020 11:53:16 AM



#14
Allyl chloride
Concen: 157.099 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion	41	Resp	517182
Ion Ratio	100	Lower	Upper
41	100		
39	68.3	56.3	84.5
76	34.3	27.7	41.5





#15

Acrylonitrile

Concen: 827.534 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Instrument :

MSVOA_N

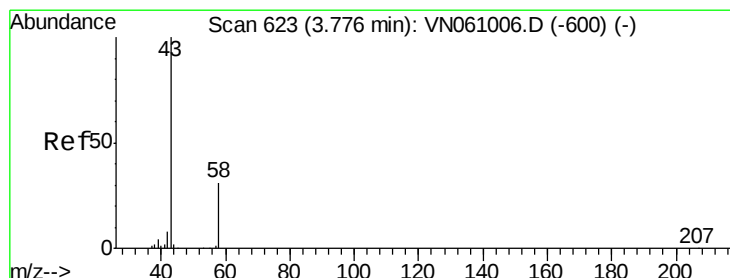
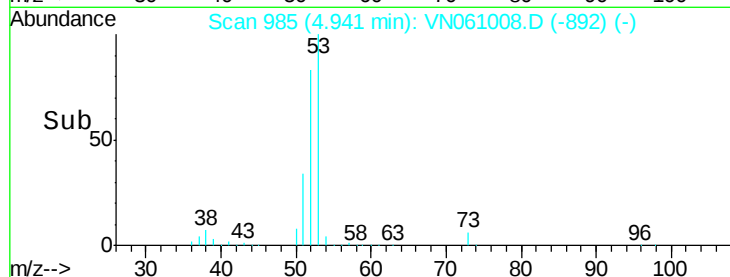
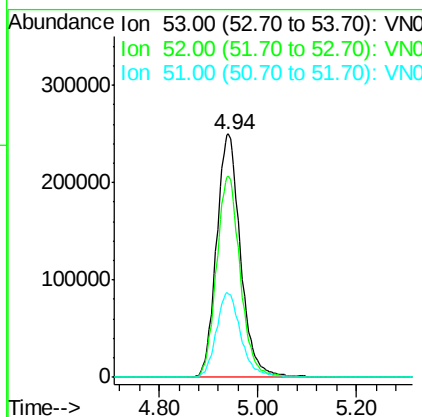
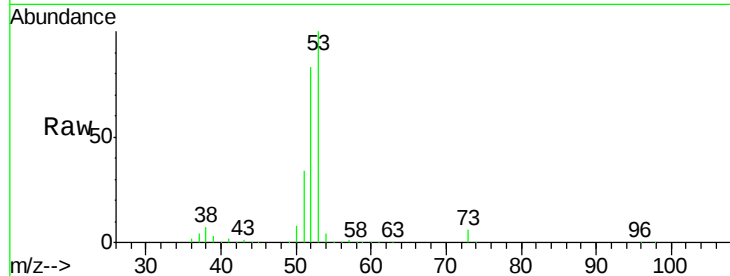
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	845260
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.8	100.2
51	35.5	28.9	43.3

Manual Integrations
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MMDadoda
4/17/2020 11:53:16 AM



#16

Acetone

Concen: 795.091 ug/l

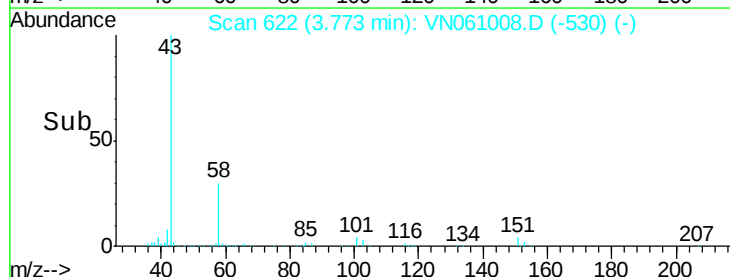
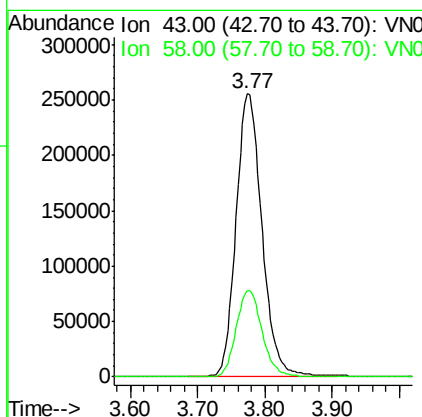
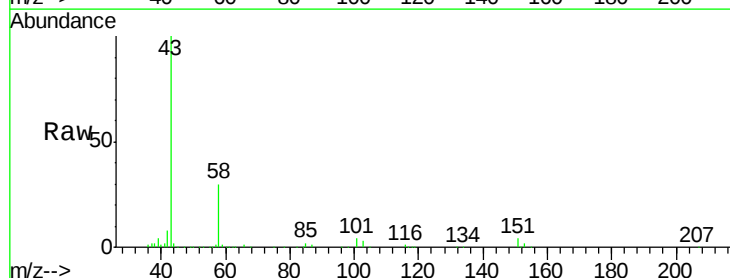
RT: 3.77 min Scan# 622

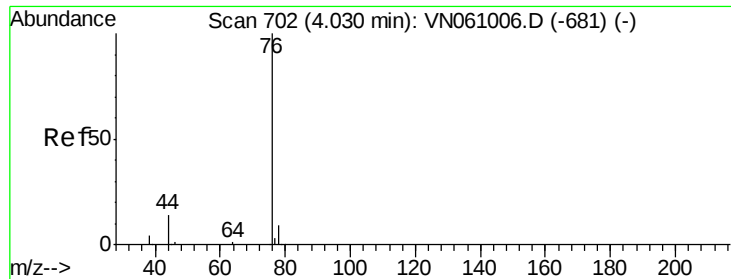
Delta R.T. -0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Tgt Ion:	43	Resp:	684080
Ion Ratio	Lower	Upper	
43	100		
58	30.5	24.6	37.0





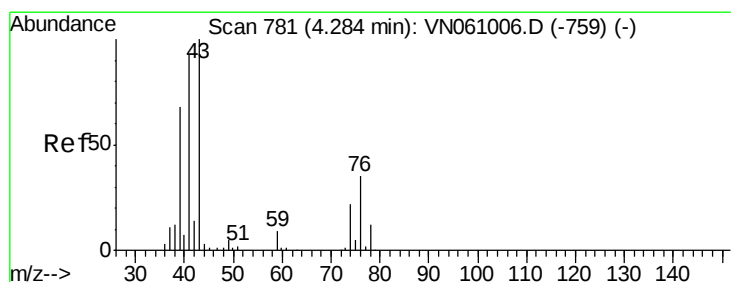
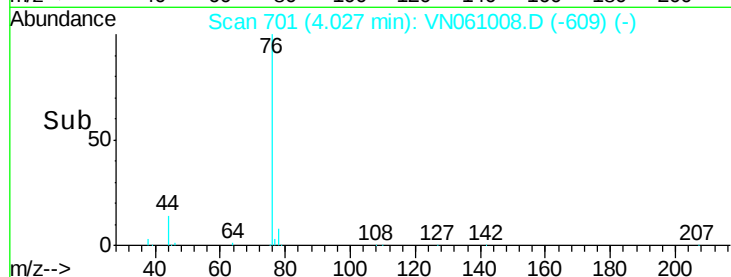
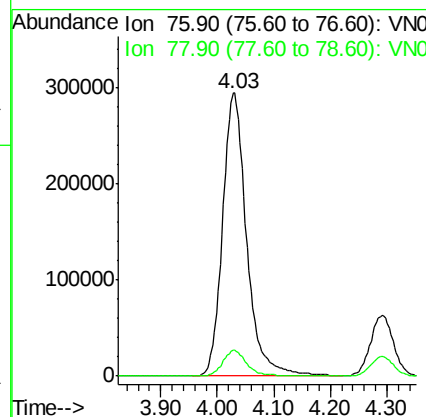
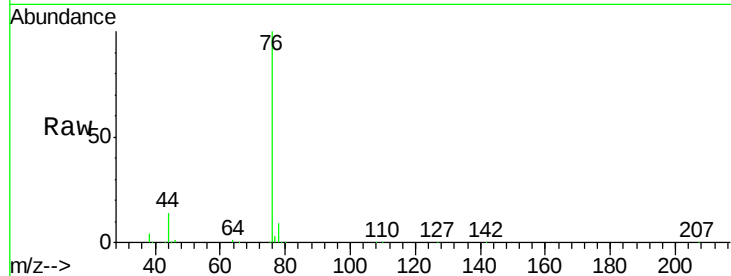
#17
Carbon Disulfide
Concen: 154.636 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 872359
Ion Ratio Lower Upper
76 100
78 9.1 7.6 11.4

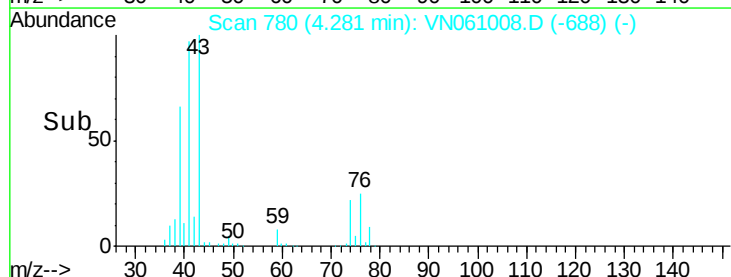
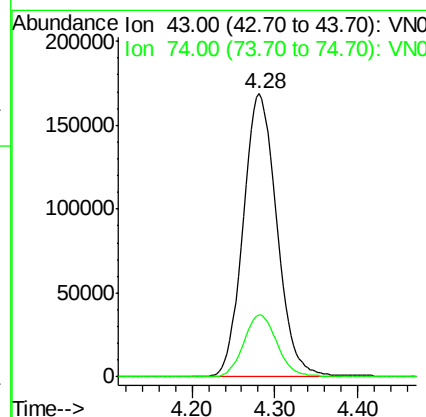
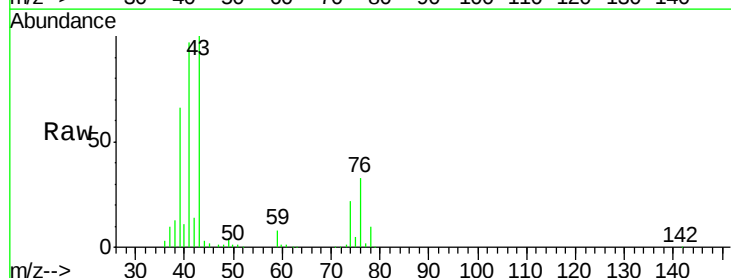
Manual Integrations
APPROVED

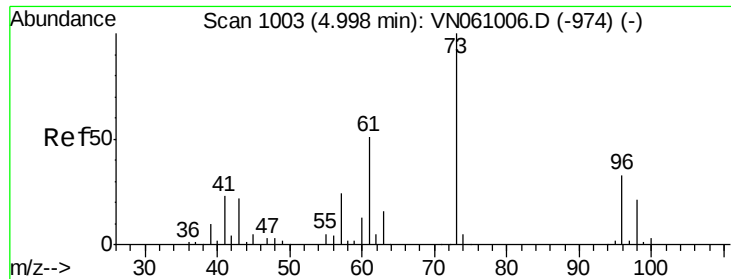
MMDadoda
4/17/2020 11:53:16 AM



#18
Methyl Acetate
Concen: 193.475 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion: 43 Resp: 474992
Ion Ratio Lower Upper
43 100
74 22.0 17.4 26.0





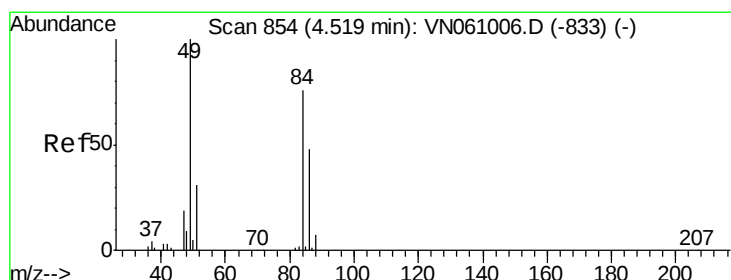
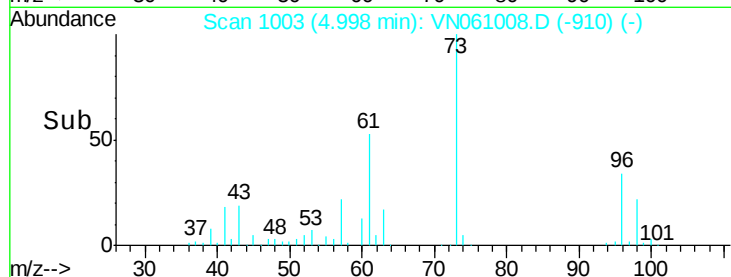
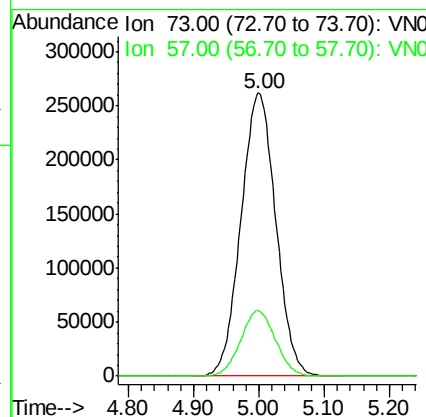
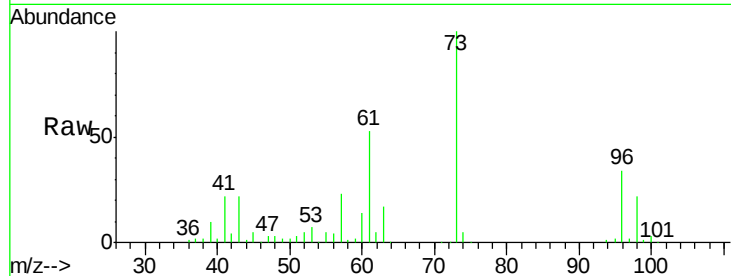
#19
Methvl tert-butvl Ether
Concen: 151.933 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 969474
Ion Ratio Lower Upper
73 100
57 23.3 19.0 28.4

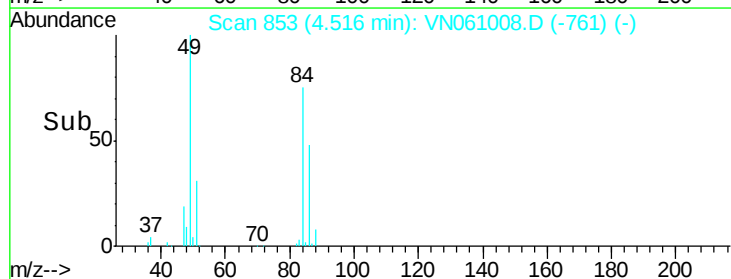
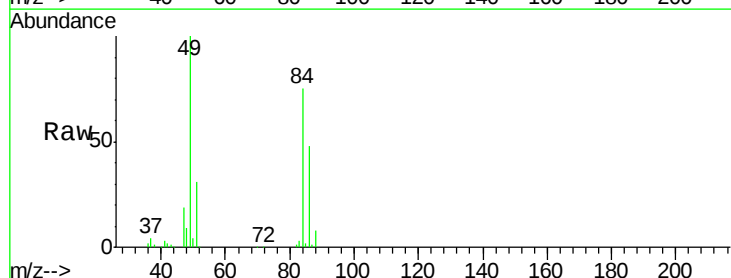
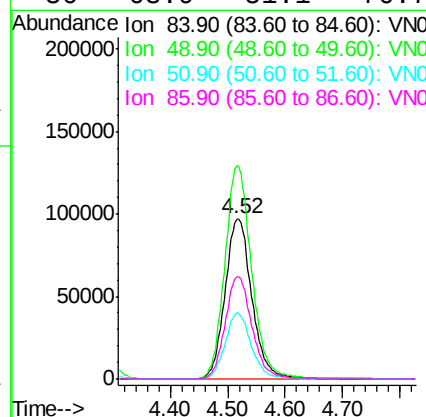
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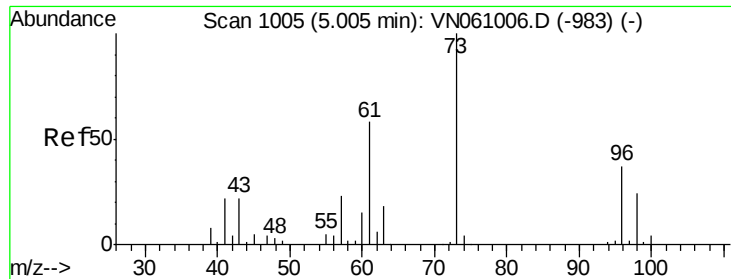
MMDadoda
4/17/2020 11:53:16 AM



#20
Methylene Chloride
Concen: 154.373 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion: 84 Resp: 315937
Ion Ratio Lower Upper
84 100
49 133.4 105.8 158.6
51 41.2 32.4 48.6
86 63.9 51.1 76.7





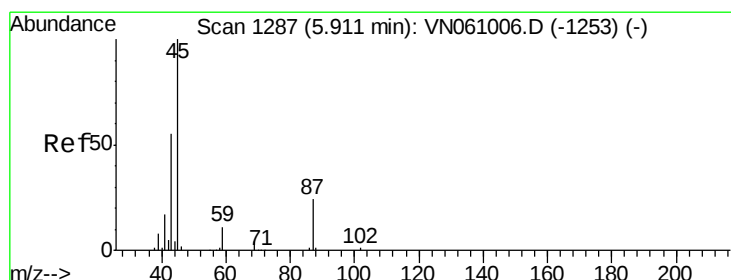
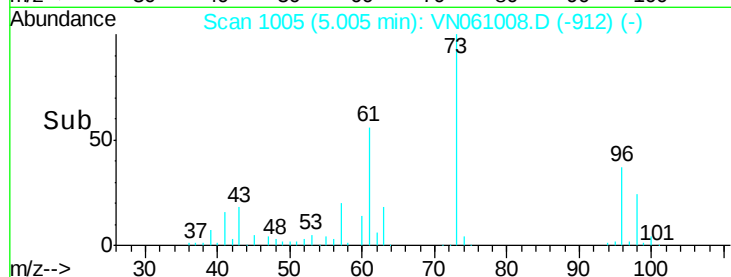
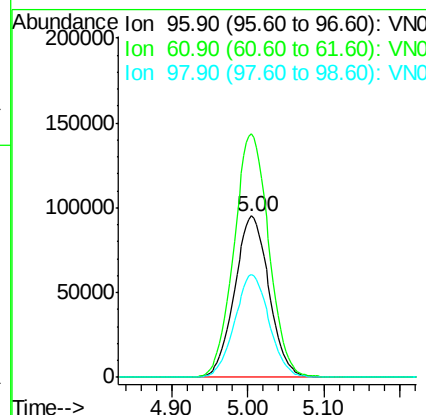
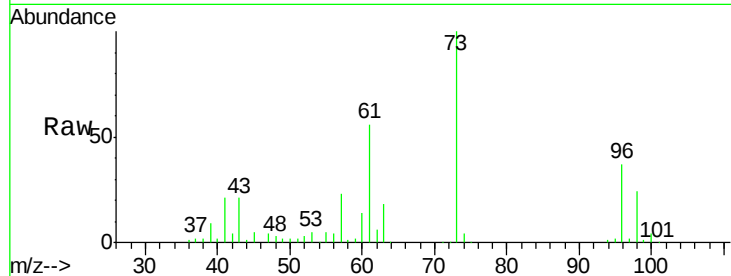
#21
trans-1,2-Dichloroethene
Concen: 152.053 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.7	124.8	187.2
98	63.8	51.3	76.9

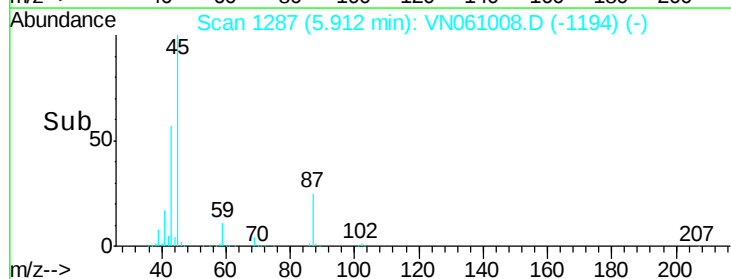
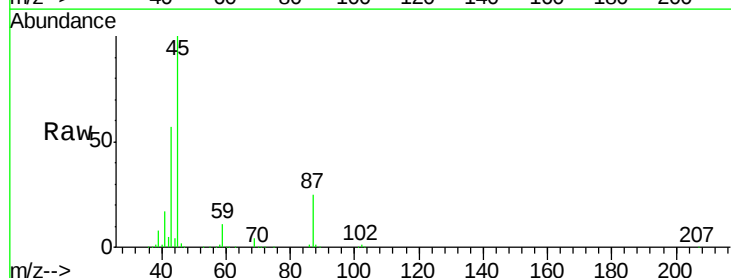
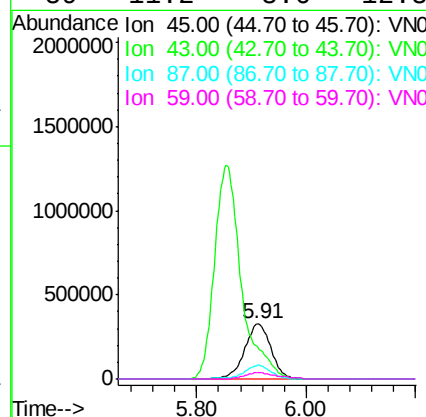
Manual Integrations
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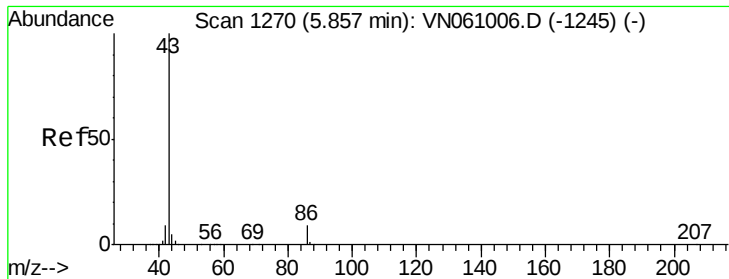
MMDadoda
4/17/2020 11:53:16 AM



#22
Diisopropyl ether
Concen: 159.526 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.0	48.6	72.8
87	24.5	19.4	29.2
59	11.2	8.6	12.8





#23

Vinyl Acetate

Concen: 773.957 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 4345746

Ion Ratio Lower Upper

43 100

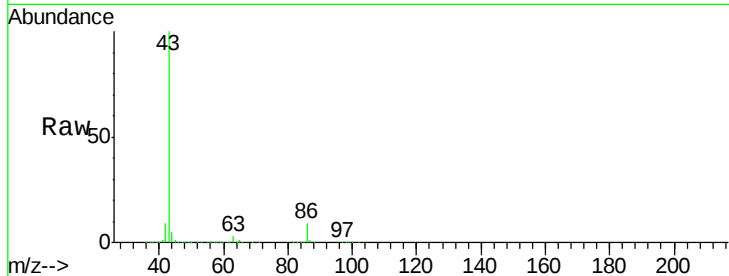
86 9.5 7.3 10.9

Manual Integrations

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MMDadoda

4/17/2020 11:53:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1500000

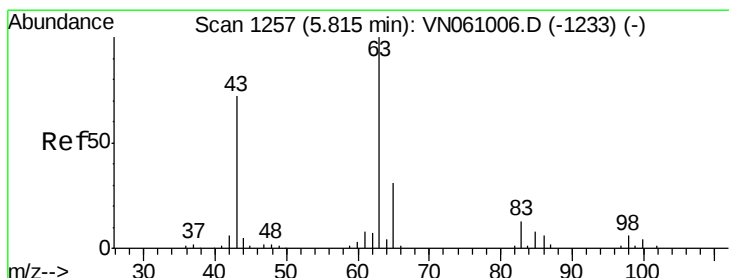
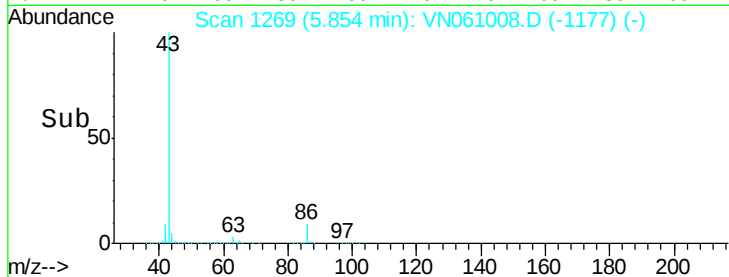
1000000

500000

0

5.80 5.85 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 156.804 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

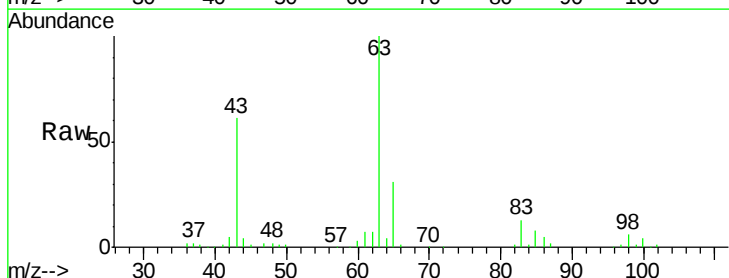
Tgt Ion: 63 Resp: 591322

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

250000

200000

150000

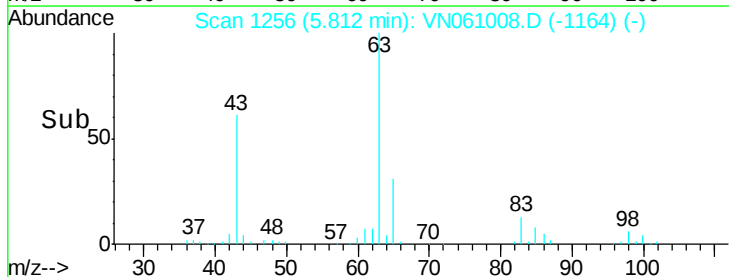
100000

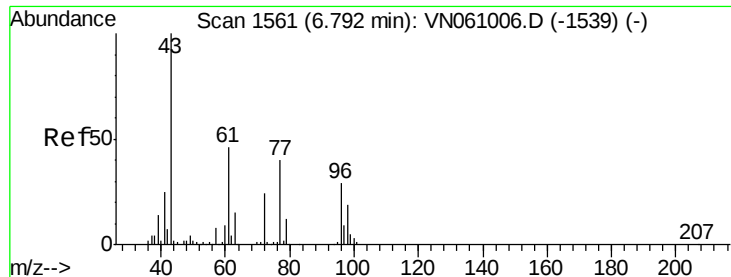
50000

0

5.70 5.80 5.90

Time-->





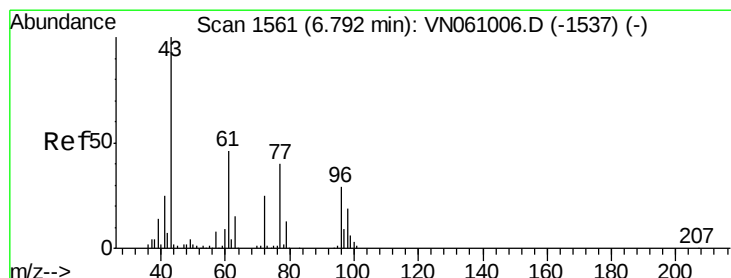
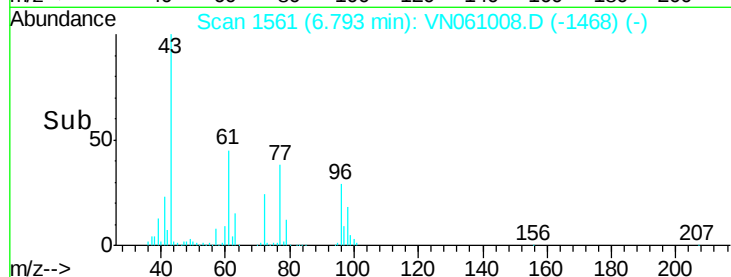
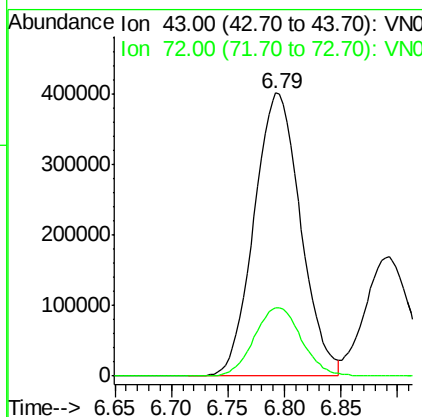
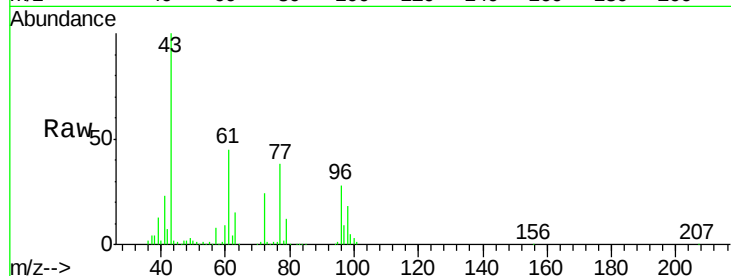
#25
2-Butanone
Concen: 834.936 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1142331
Ion Ratio Lower Upper
43 100
72 24.3 19.6 29.4

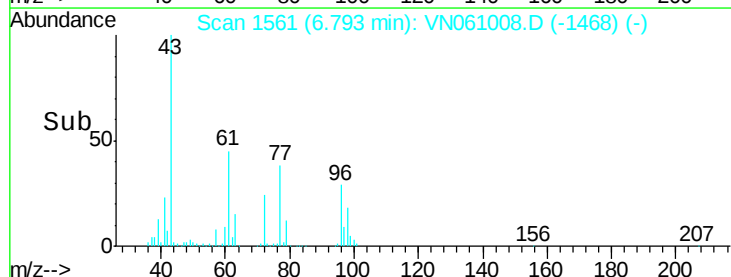
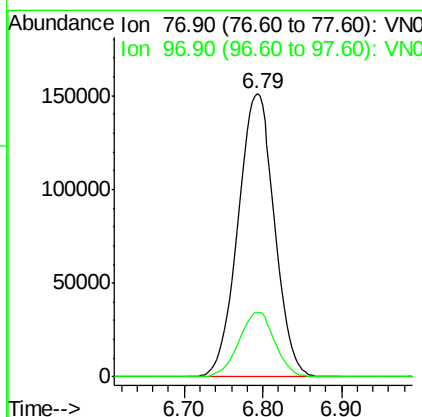
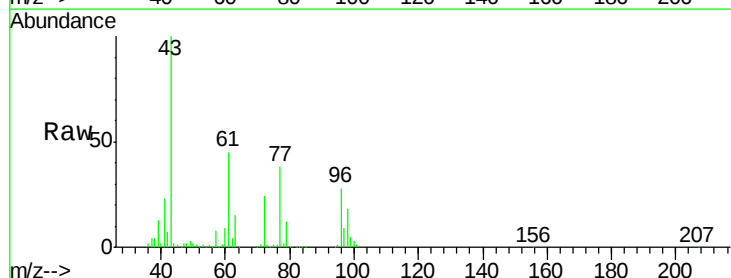
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#26
2,2-Dichloropropane
Concen: 162.942 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion: 77 Resp: 491009
Ion Ratio Lower Upper
77 100
97 22.5 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 151.901 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Instrument :

MSVOA_N

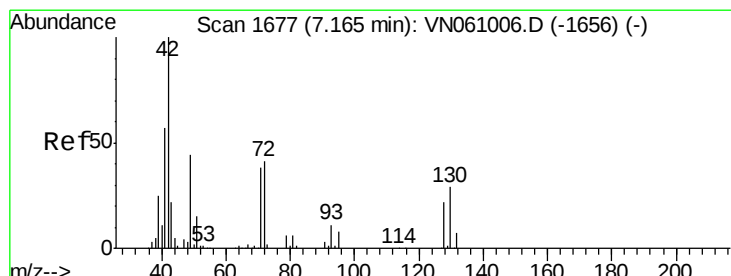
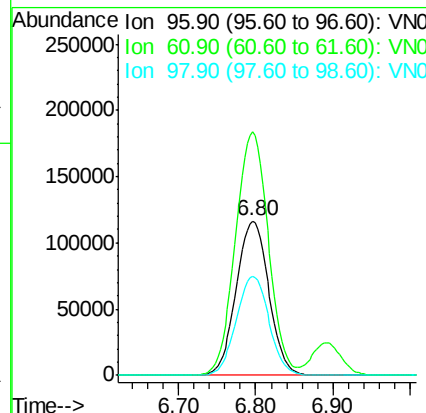
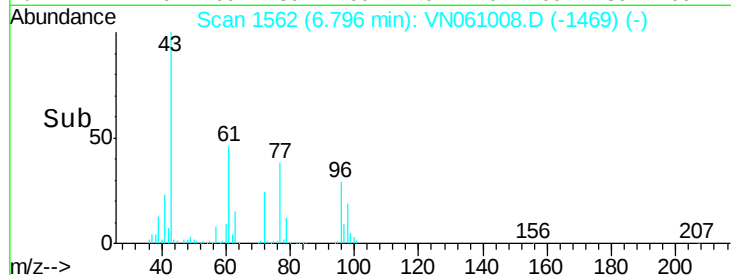
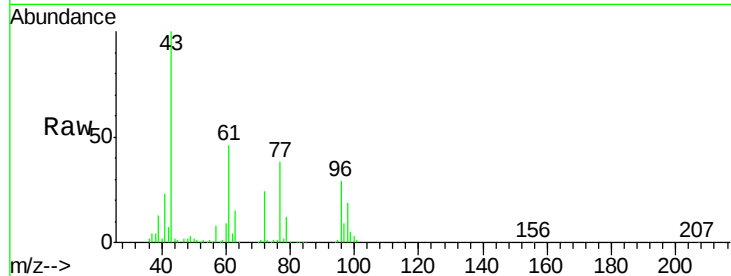
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	341222
Ion Ratio	Lower	Upper	
96	100		
61	159.1	0.0	317.4
98	64.3	0.0	127.8

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#28

Bromochloromethane

Concen: 138.555 ug/l

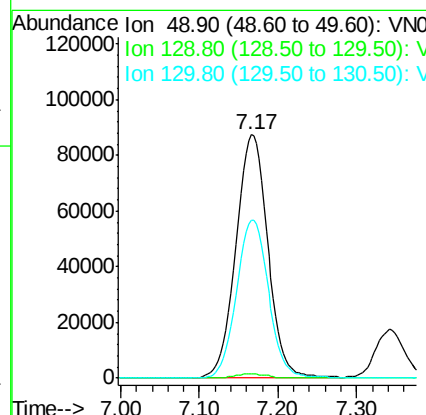
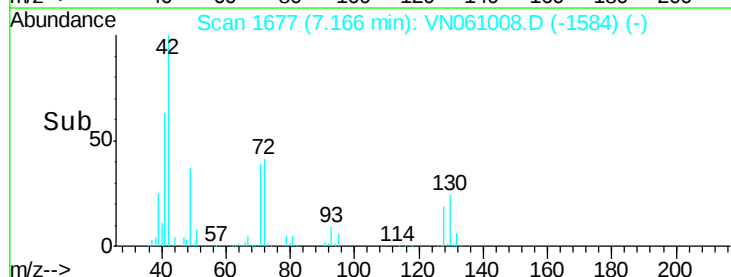
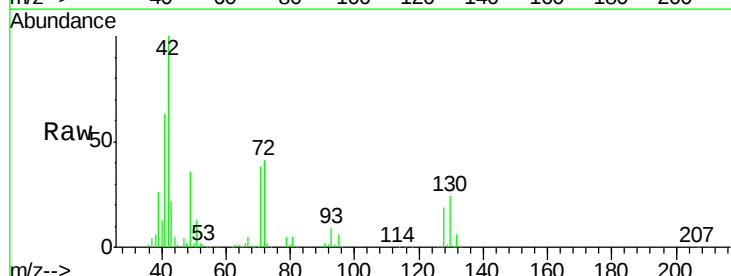
RT: 7.17 min Scan# 1677

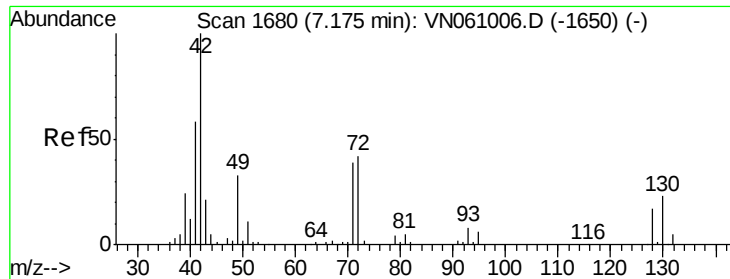
Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Tgt Ion:	49	Resp:	248688
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.0
130	65.4	52.9	79.3





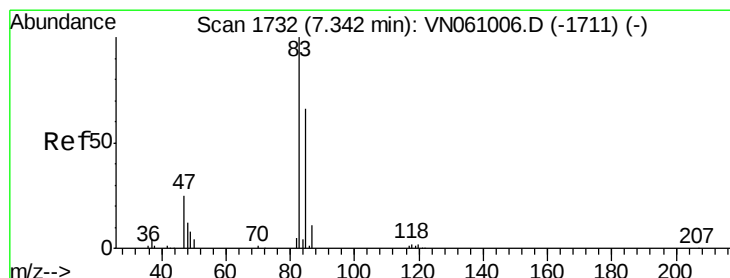
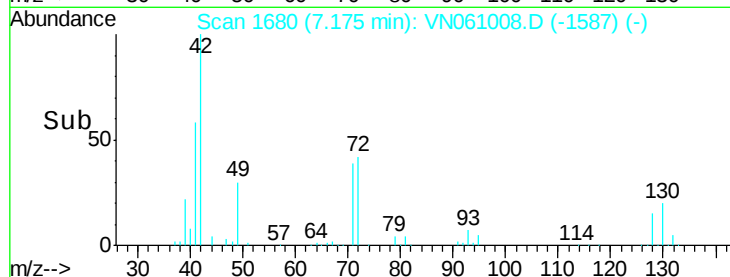
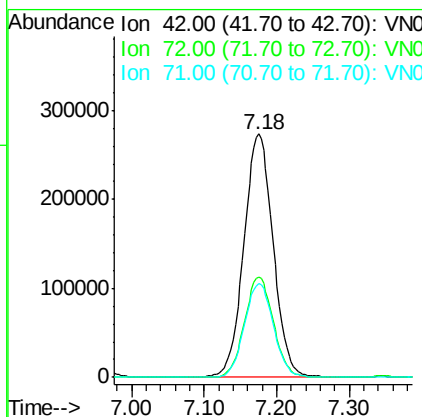
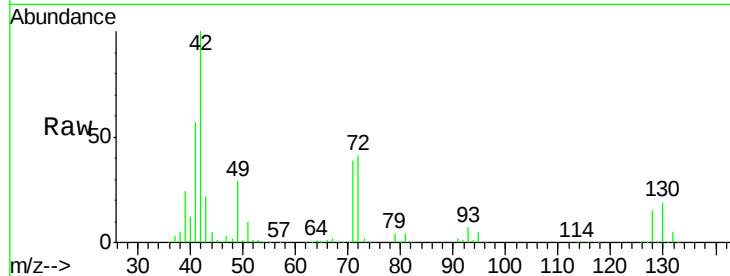
#29
Tetrahydrofuran
Concen: 802.056 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.1	48.1
71	38.3	30.5	45.7

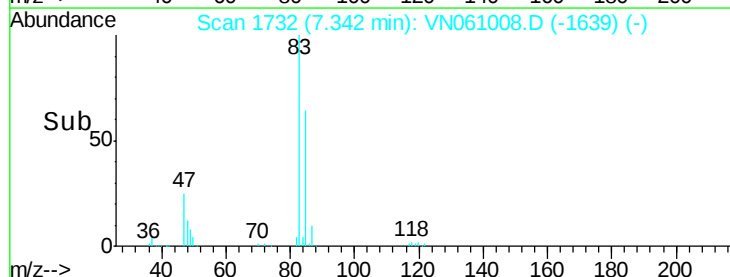
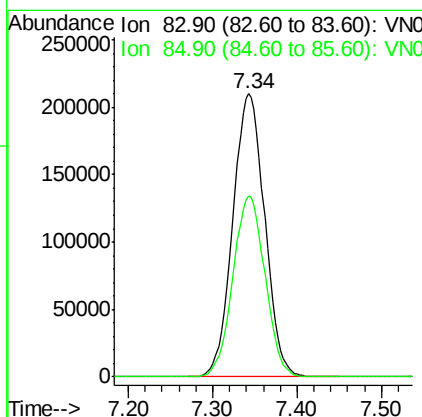
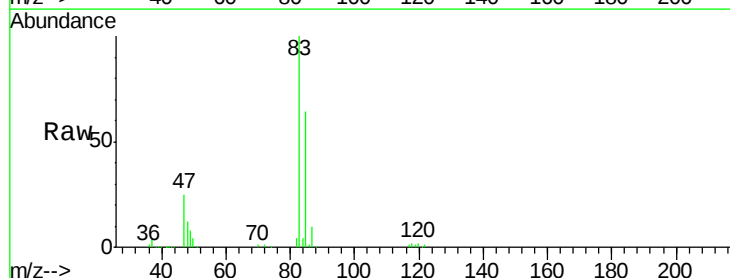
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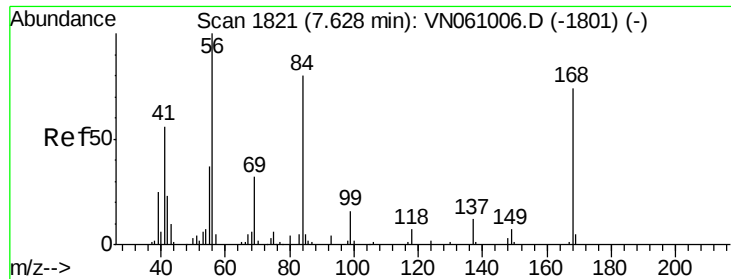
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#30
Chloroform
Concen: 153.192 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.8	79.2





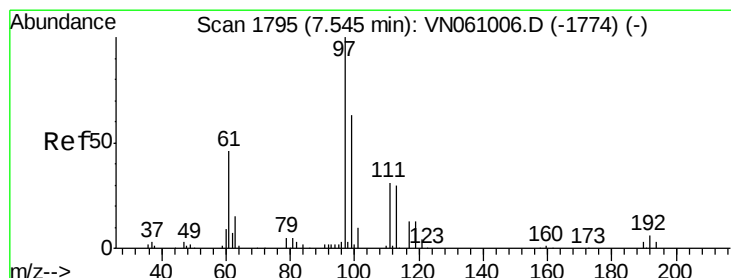
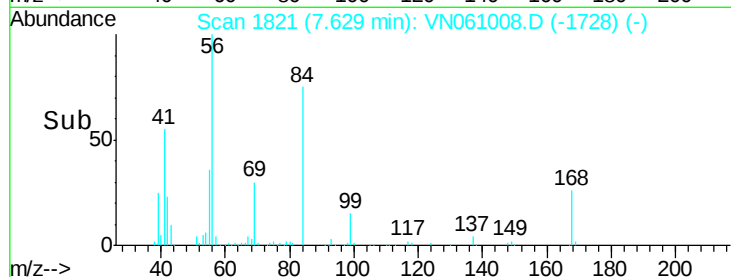
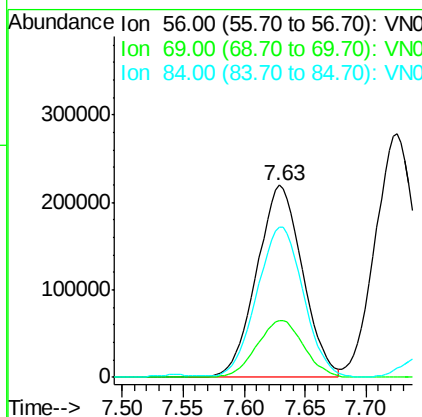
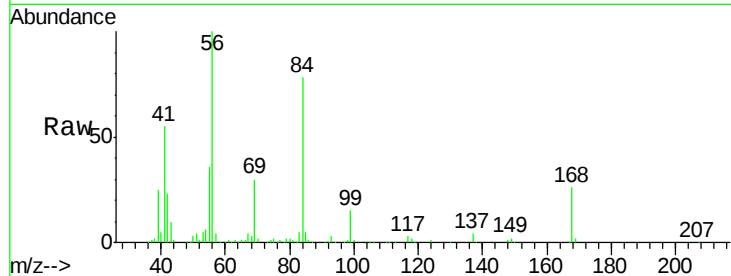
#31
Cyclohexane
Concen: 150.263 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	25.6	38.4
84	77.3	63.4	95.2

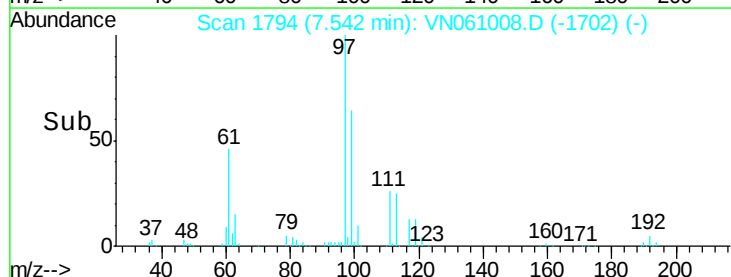
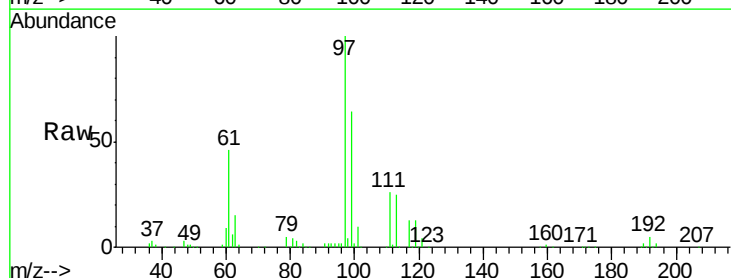
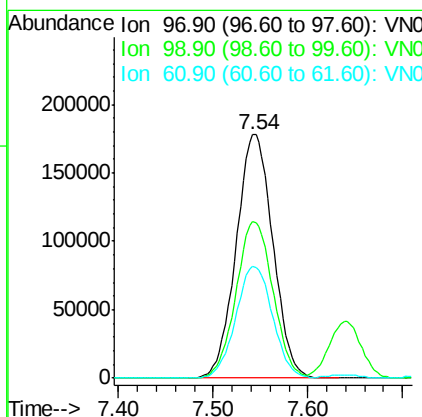
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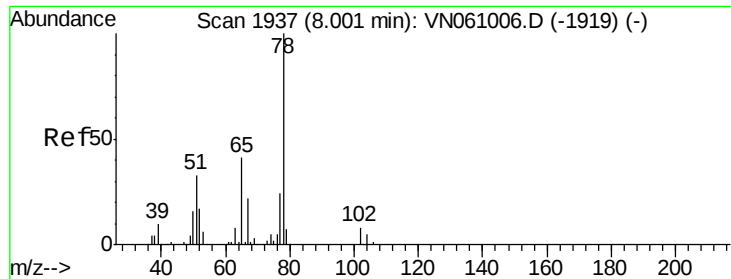
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#32
1,1,1-Trichloroethane
Concen: 155.080 ug/l
RT: 7.54 min Scan# 1794
Delta R.T. -0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	46.1	37.0	55.6





#33

1,2-Dichloroethane-d4

Concen: 136.765 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 312178

Ion Ratio Lower Upper

65 100

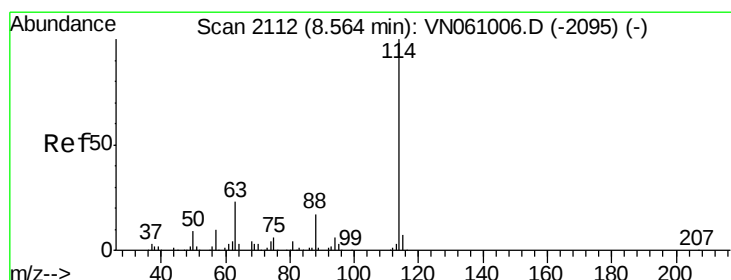
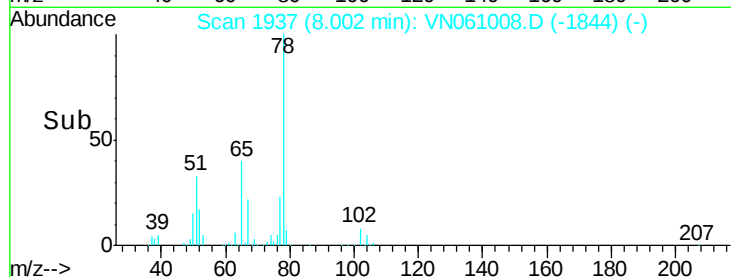
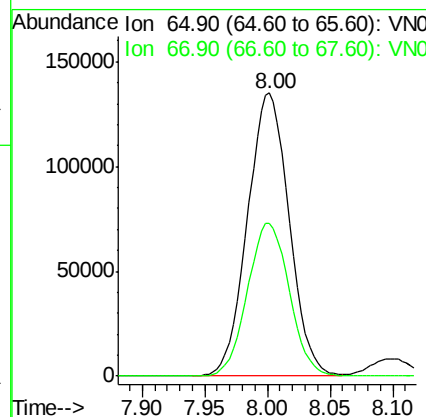
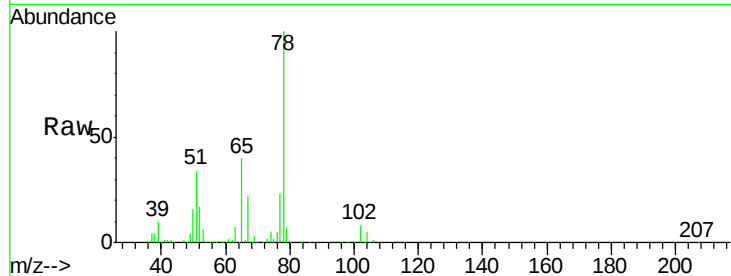
67 54.2 0.0 107.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

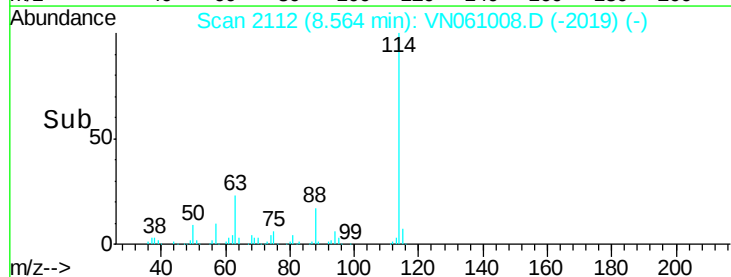
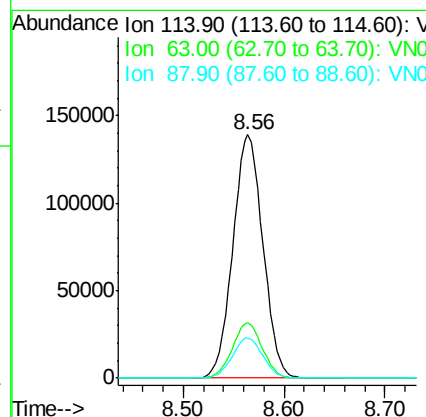
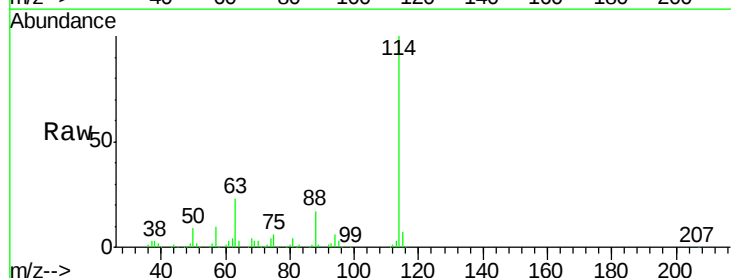
Tgt Ion: 114 Resp: 288202

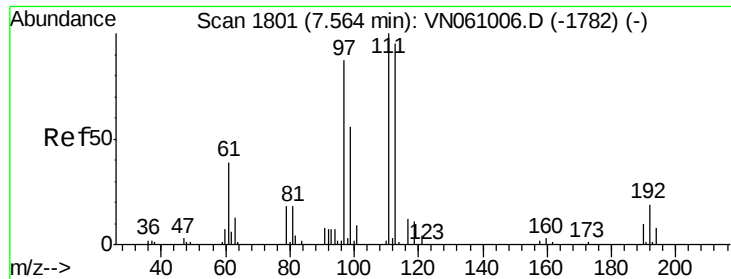
Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.2

88 16.6 0.0 33.4





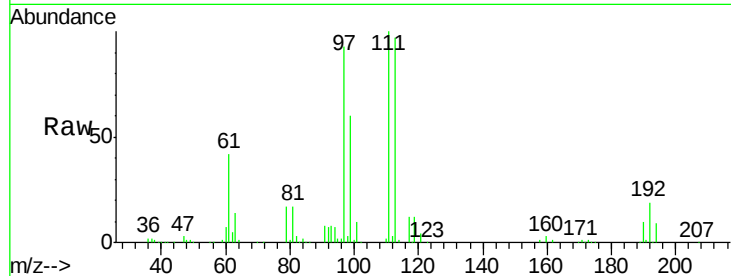
#35
 Dibromofluoromethane
 Concen: 143.946 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061008.D
 Acq: 16 Apr 2020 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

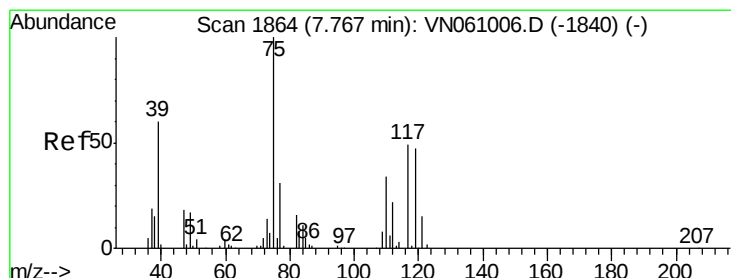
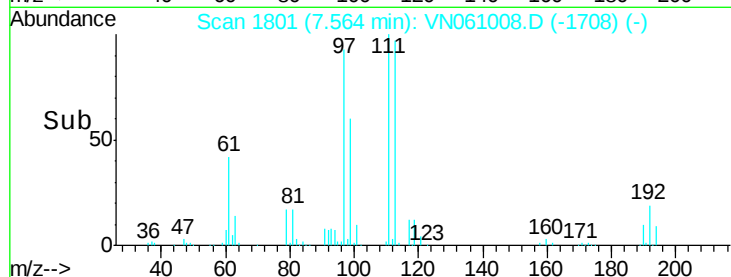
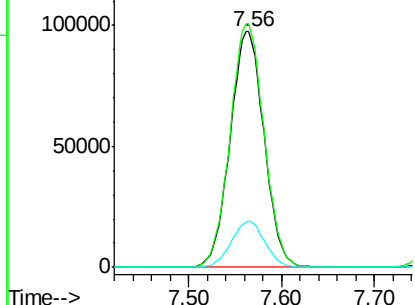
Tot Ion	Ratio	Resp	Lower	Upper
113	100	246936		
111	103.4	83.4	125.2	
192	19.4	15.5	23.3	

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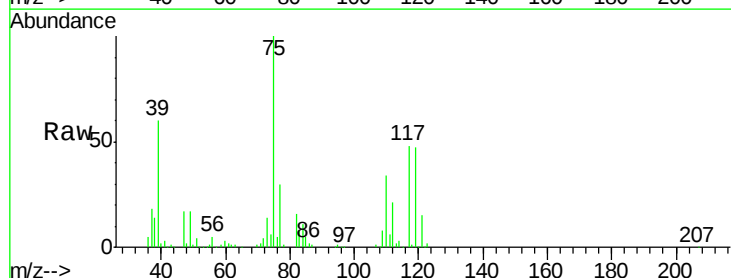


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

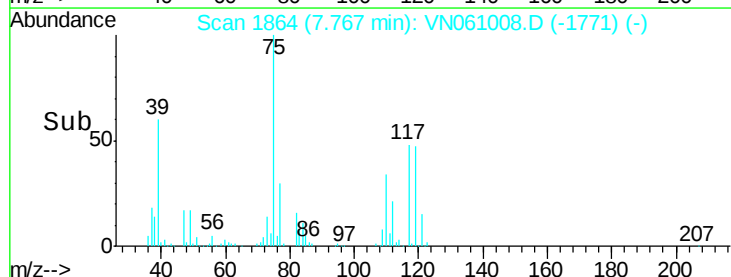
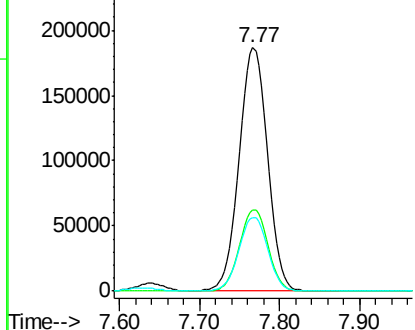


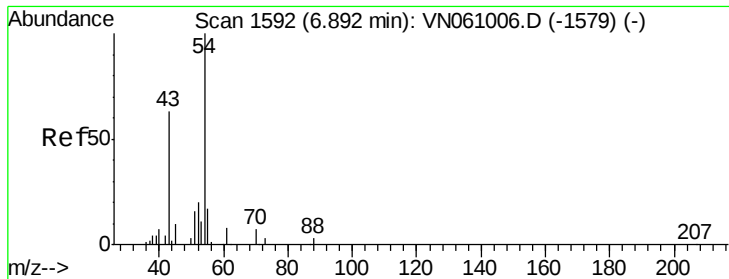
#36
 1,1-Dichloropropene
 Concen: 158.770 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VN061008.D
 Acq: 16 Apr 2020 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	446579		
110	33.5	16.8	50.3	
77	31.0	24.7	37.1	



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





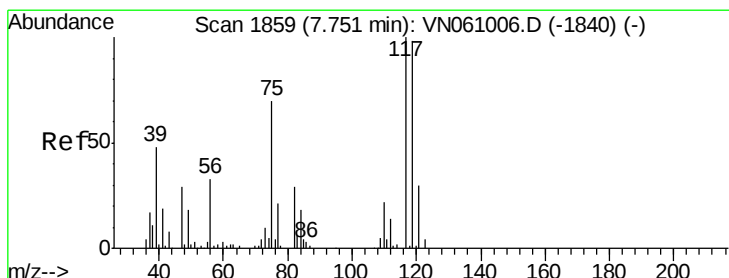
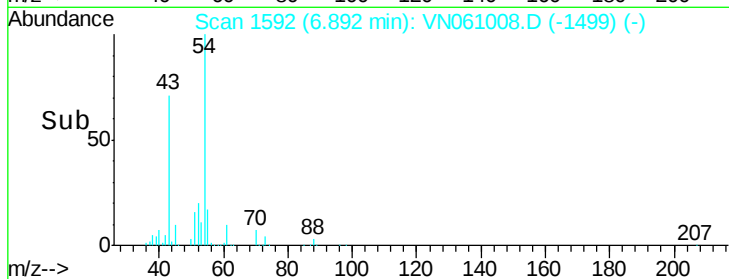
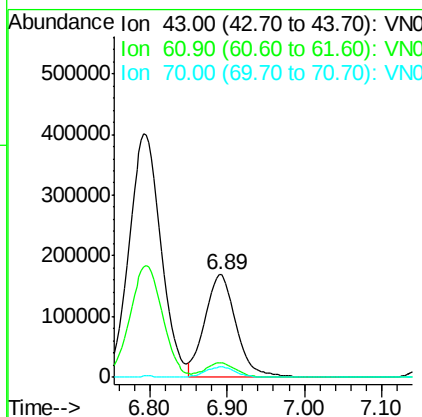
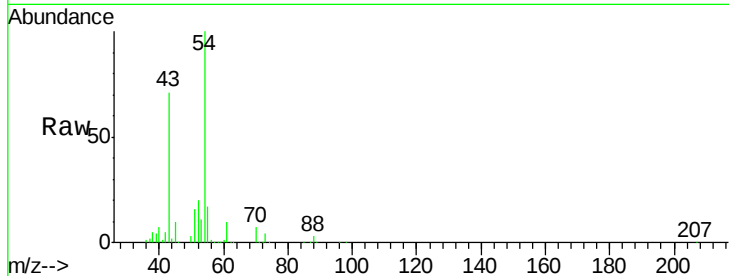
#37
Ethyl Acetate
Concen: 156.128 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	10.0	7.7	11.5

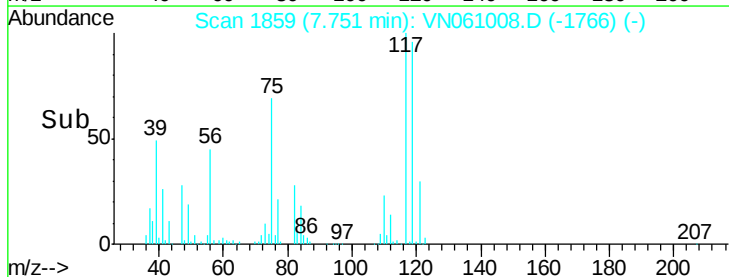
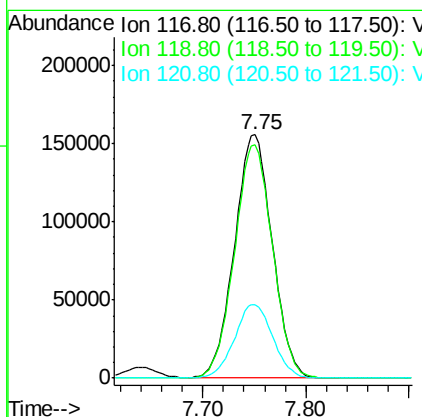
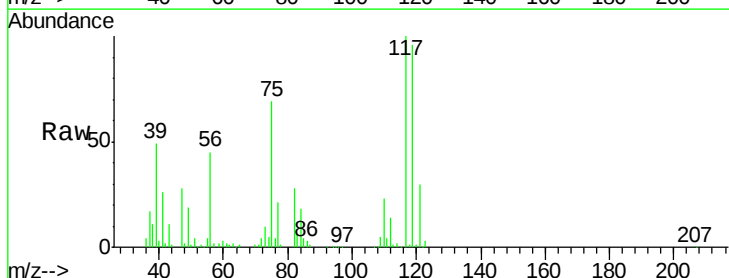
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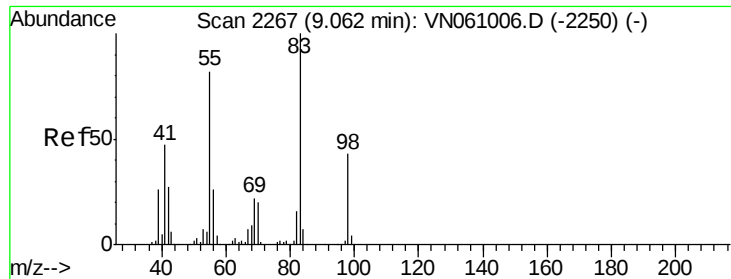
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#38
Carbon Tetrachloride
Concen: 158.675 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.1	117.1
121	30.1	24.0	36.0





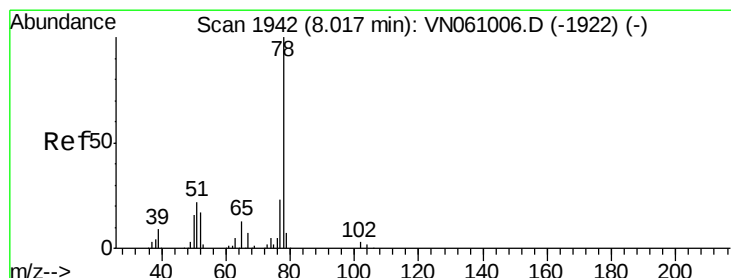
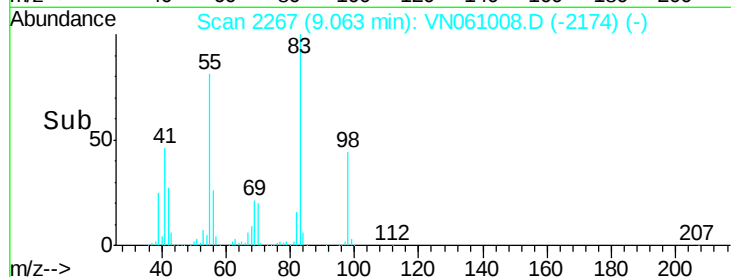
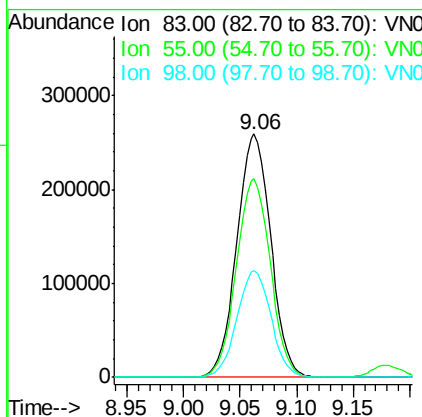
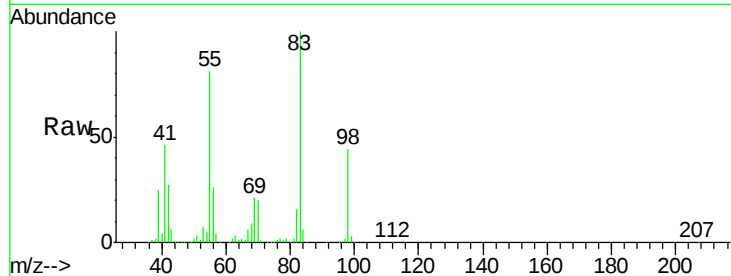
#39
Methvlcvclohexane
Concen: 161.979 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.4	65.4	98.0
98	44.0	34.6	51.8

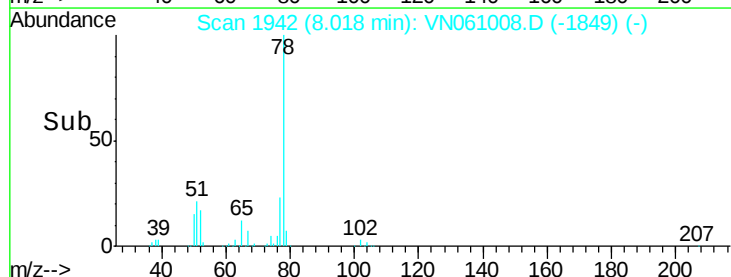
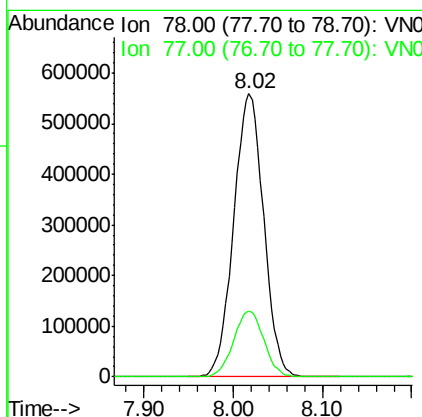
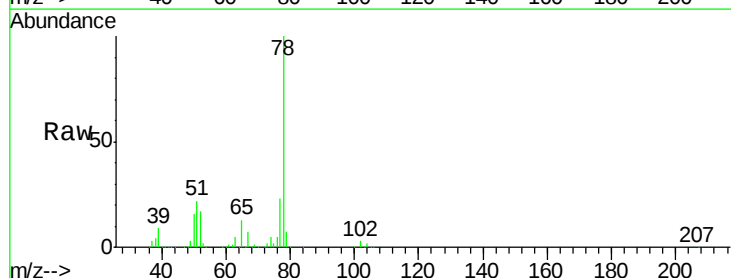
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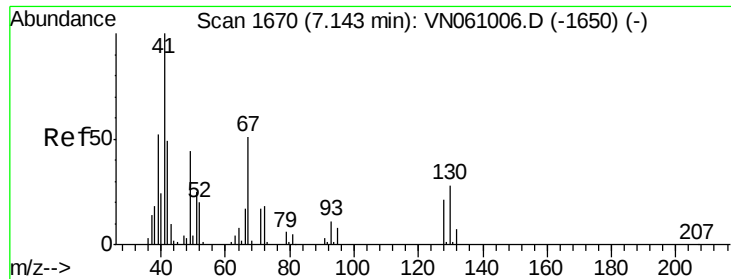
MMDadoda
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#40
Benzene
Concen: 153.583 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





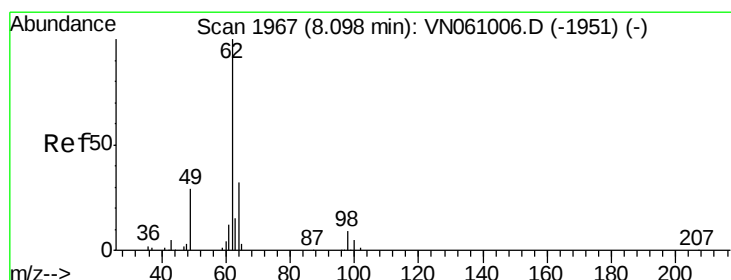
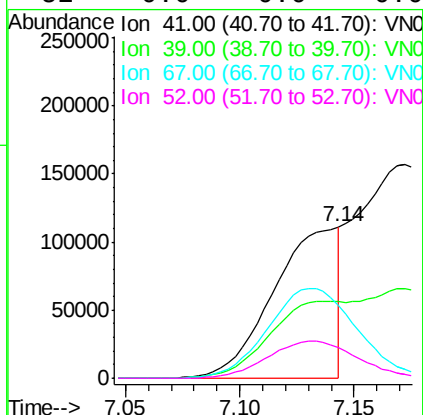
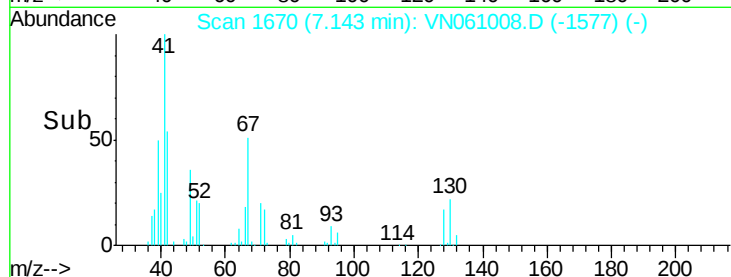
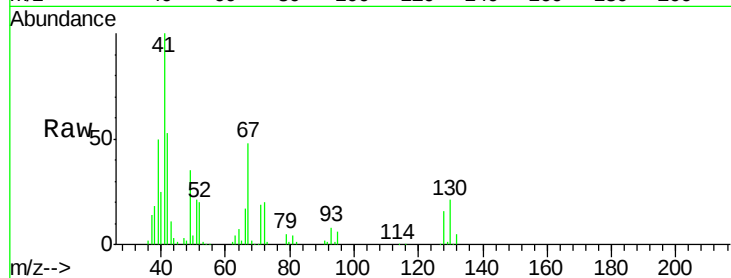
#41
Methacrylonitrile
Concen: 167.913 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
41	100	219144		
39	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

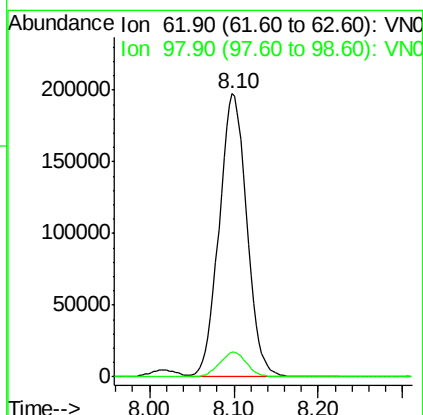
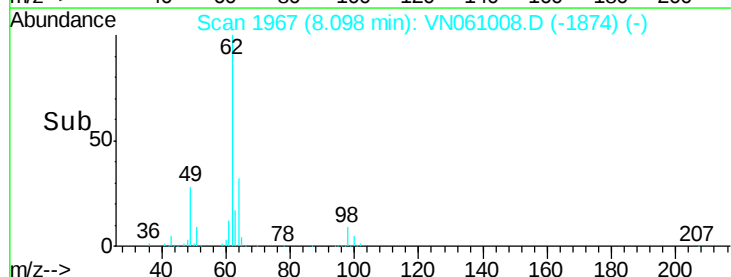
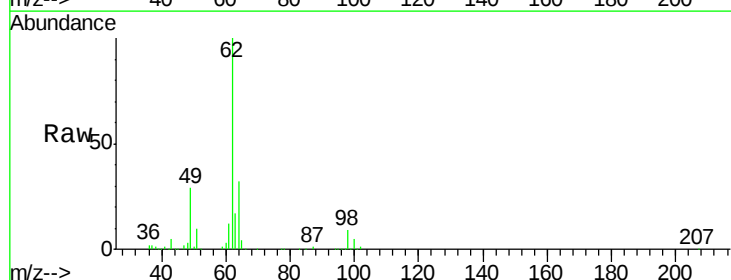
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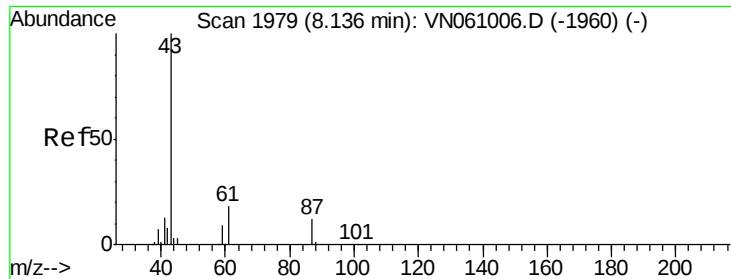
MMDadoda
4/17/2020 11:53:16 AM



#42
1,2-Dichloroethane
Concen: 154.945 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	449611		
98	8.5	0.0	0.0	17.2





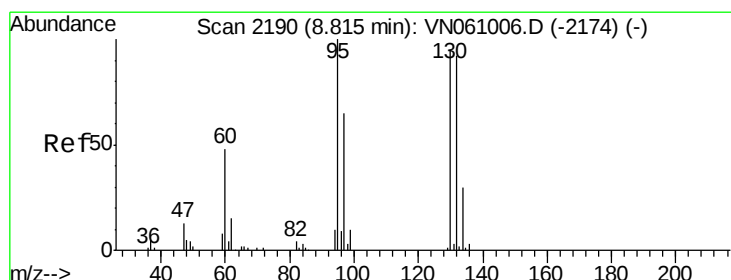
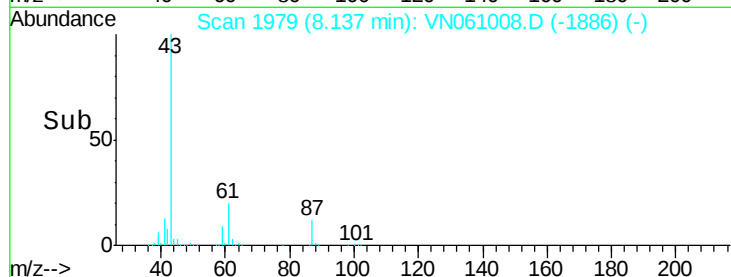
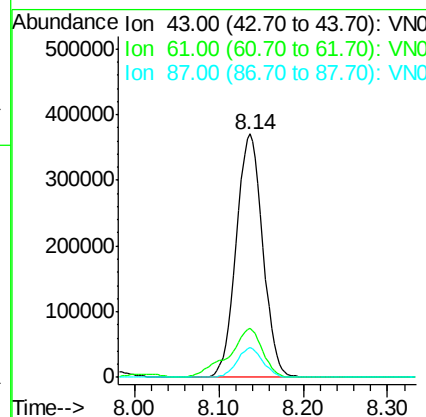
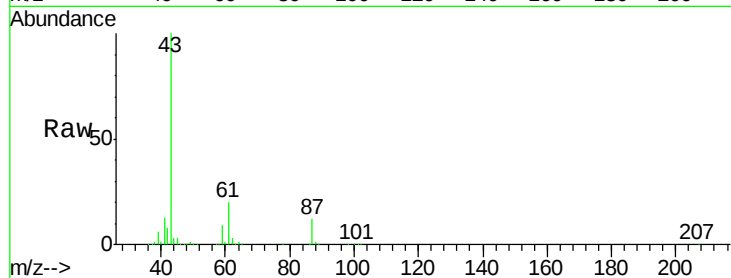
#43
Isopropyl Acetate
Concen: 161.227 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.3	30.5
87	11.9	9.4	14.2

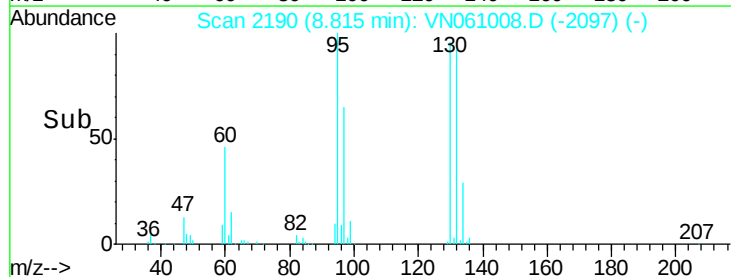
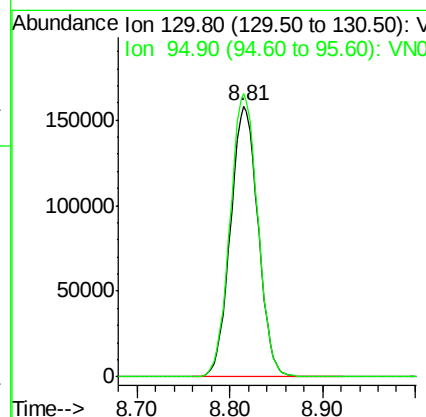
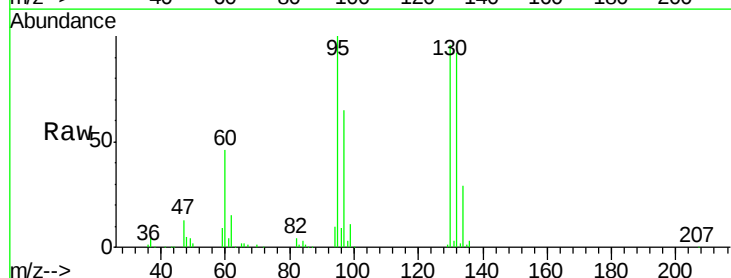
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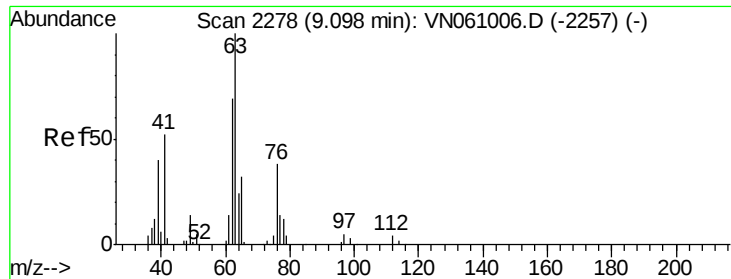
MMDadoda
4/17/2020 11:53:16 AM



#44
Trichloroethene
Concen: 153.584 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	210.0





#45

1,2-Dichloropropane

Concen: 158.929 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 356363

Ion Ratio Lower Upper

63 100

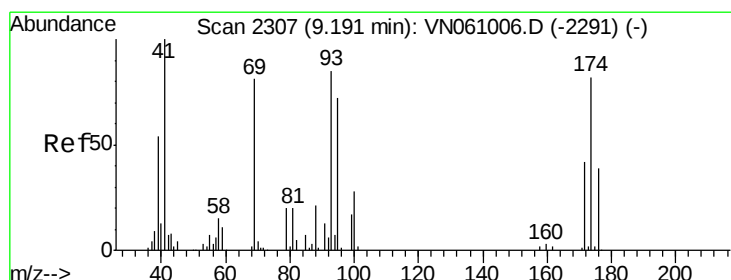
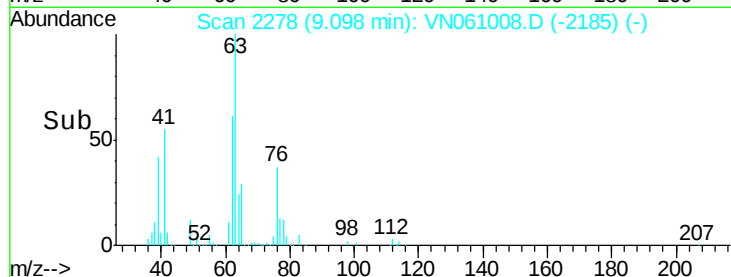
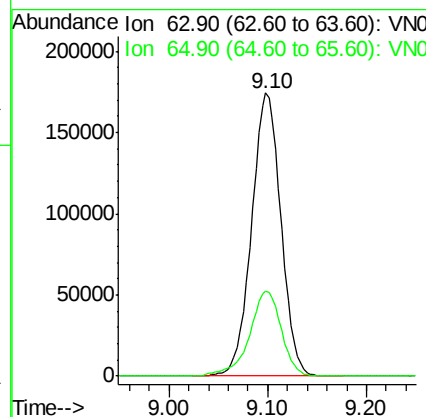
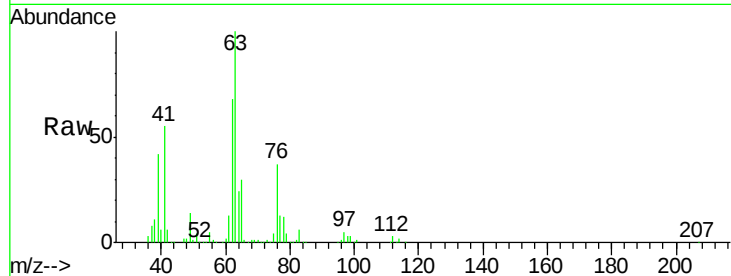
65 30.1 25.2 37.8

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#46

Dibromomethane

Concen: 157.375 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

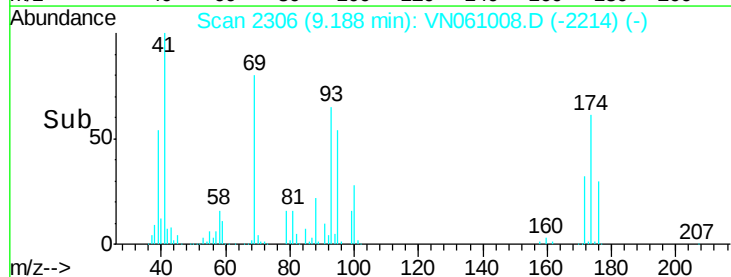
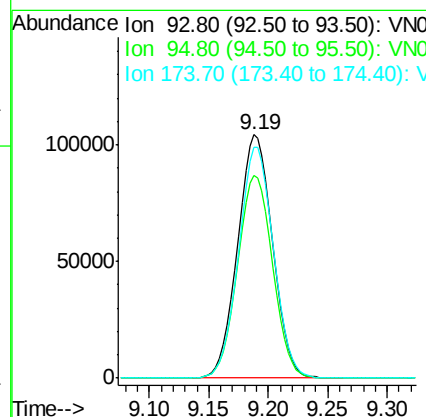
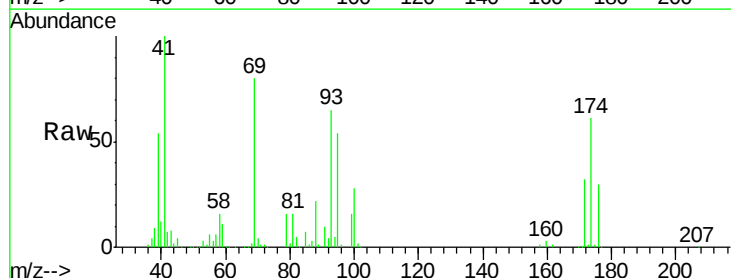
Tgt Ion: 93 Resp: 212309

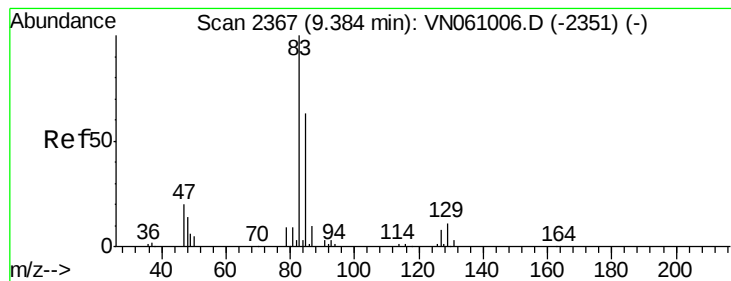
Ion Ratio Lower Upper

93 100

95 83.7 66.8 100.2

174 94.5 76.2 114.4





#47

Bromodichloromethane

Concen: 158.691 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Instrument :

MSVOA_N

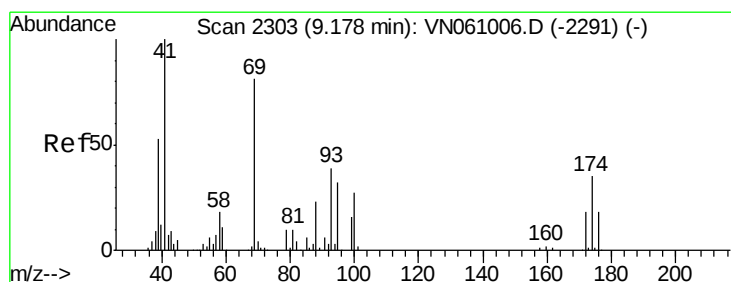
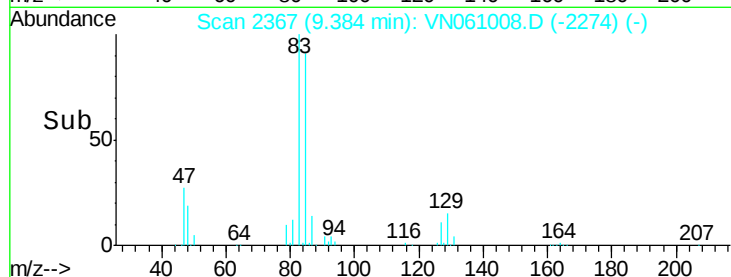
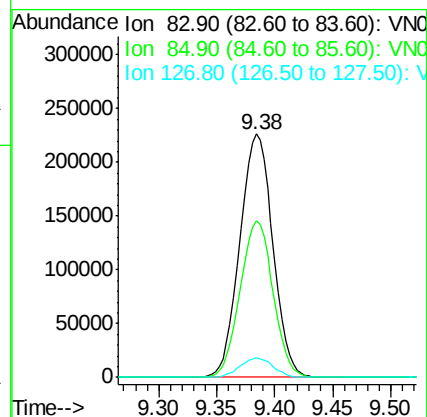
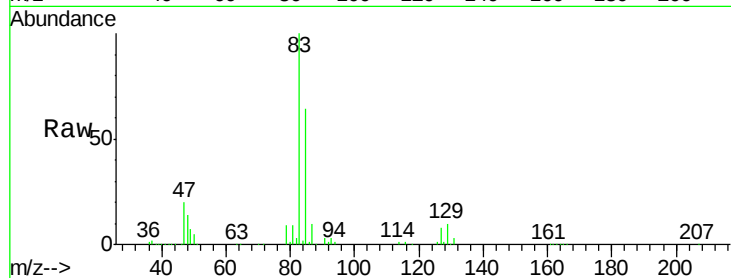
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	446478
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.6	76.0
127	7.9	6.1	9.1

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#48

Methyl methacrylate

Concen: 168.743 ug/l

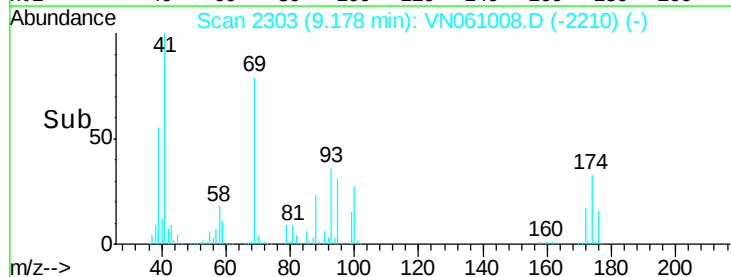
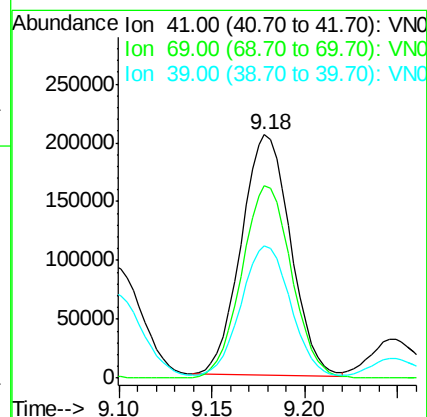
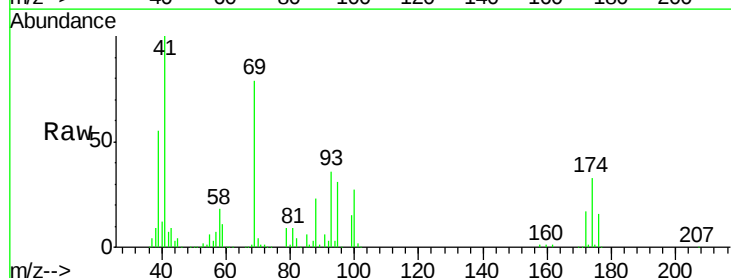
RT: 9.18 min Scan# 2303

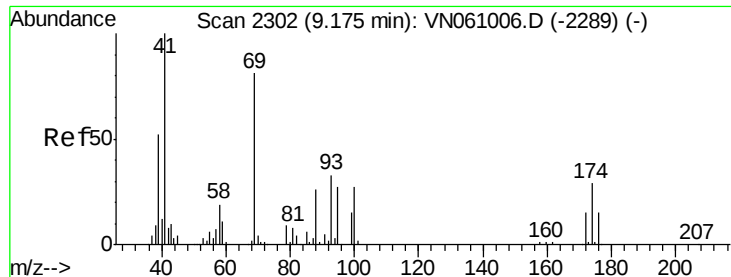
Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Tgt Ion:	41	Resp:	378264
Ion	Ratio	Lower	Upper
41	100		
69	81.2	65.3	97.9
39	54.1	45.2	67.8





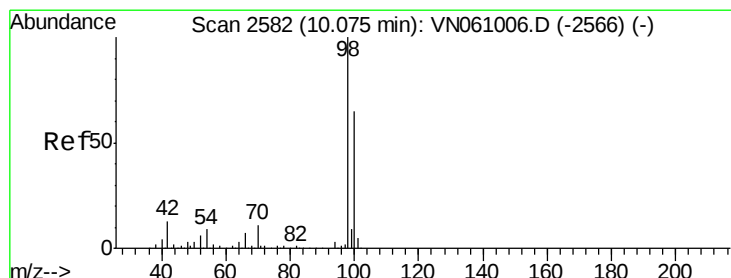
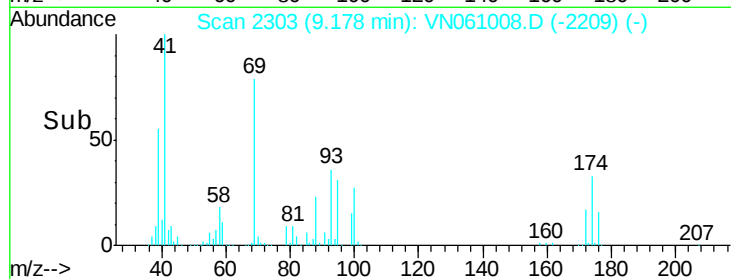
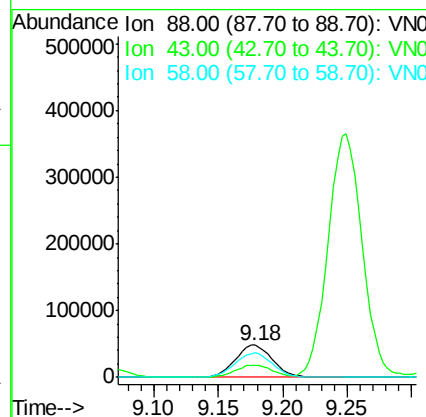
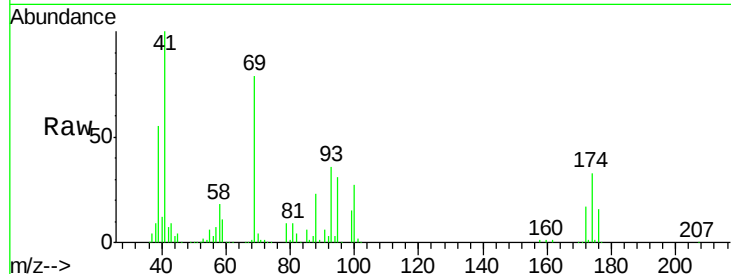
#49
 1,4-Dioxane
 Concen: 3613.735 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN061008.D
 Acq: 16 Apr 2020 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	30.9	46.3
58	75.8	59.8	89.8

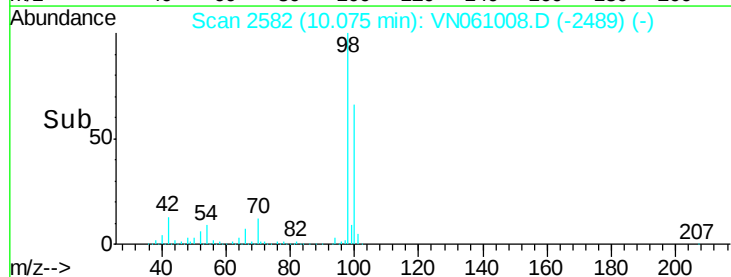
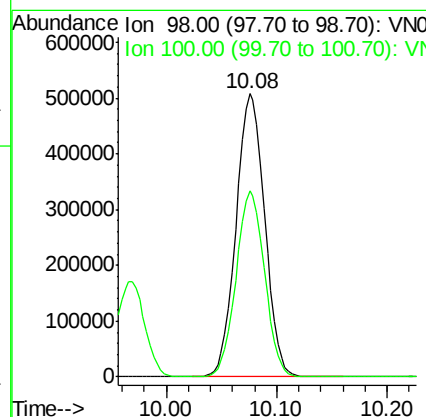
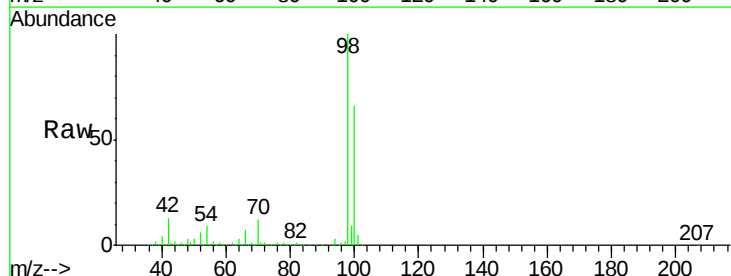
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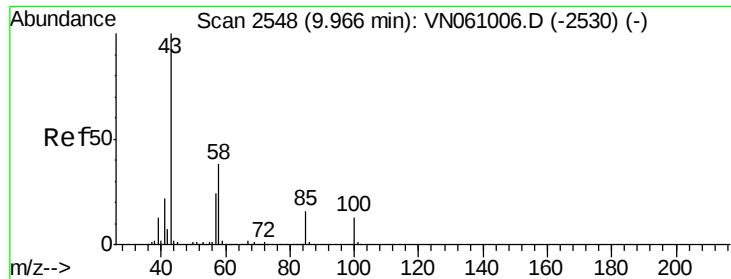
MMDadoda
 4/17/2020 11:53:16 AM



#50
 Toluene-d8
 Concen: 133.157 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. 0.00 min
 Lab File: VN061008.D
 Acq: 16 Apr 2020 13:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 813.874 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2330714

Ion Ratio Lower Upper

43 100

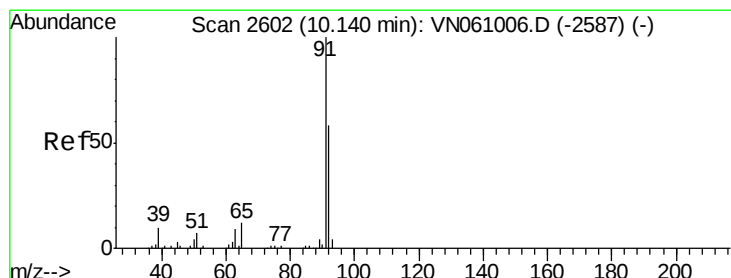
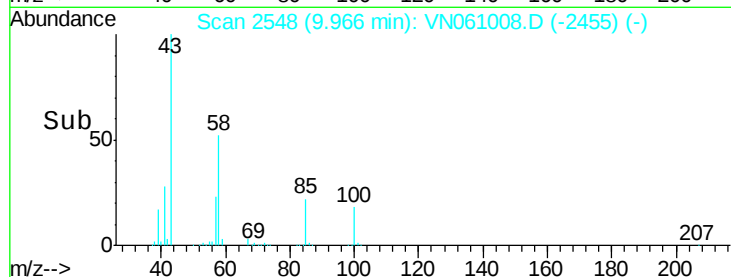
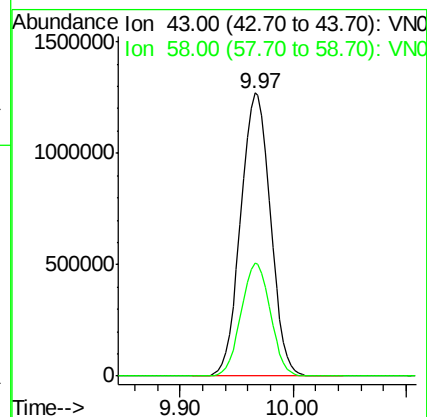
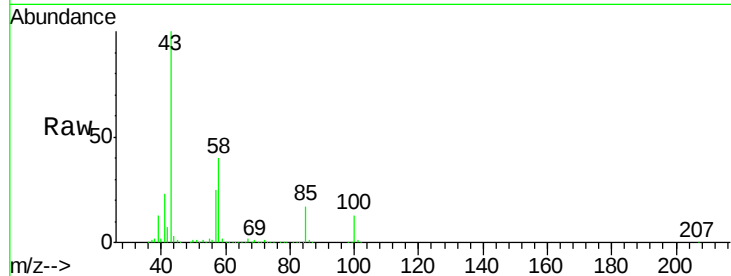
58 39.2 30.3 45.5

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#52

Toluene

Concen: 155.542 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. 0.00 min

Lab File: VN061008.D

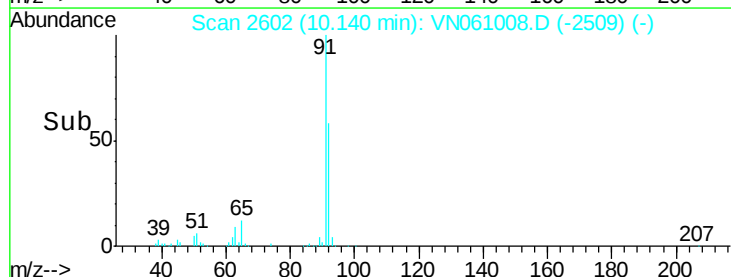
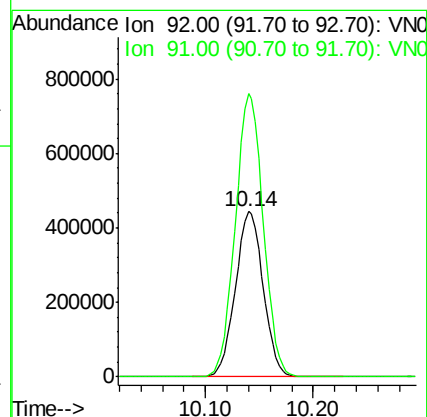
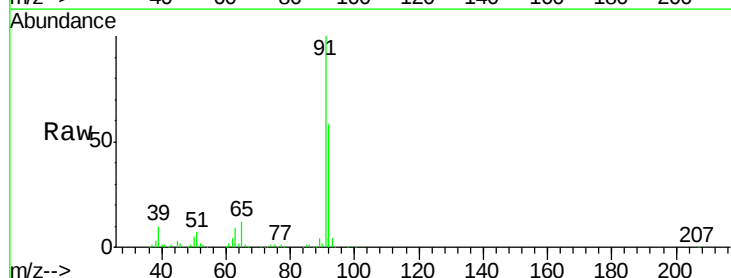
Acq: 16 Apr 2020 13:04

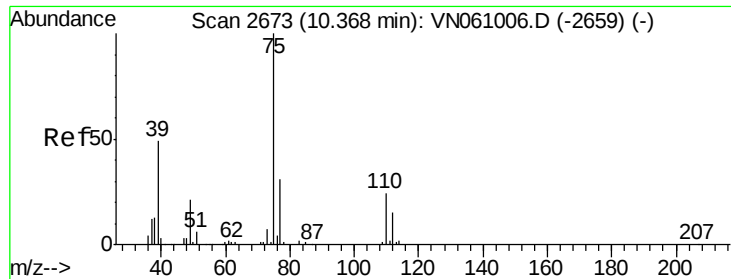
Tgt Ion: 92 Resp: 795909

Ion Ratio Lower Upper

92 100

91 172.3 137.7 206.5





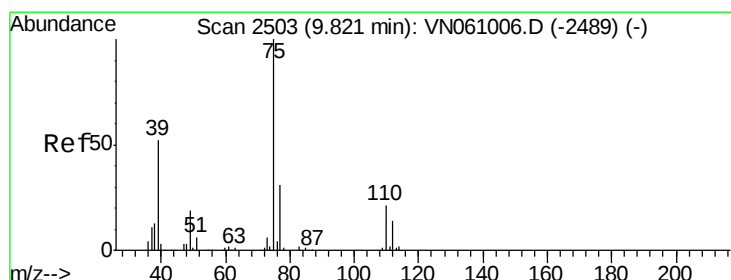
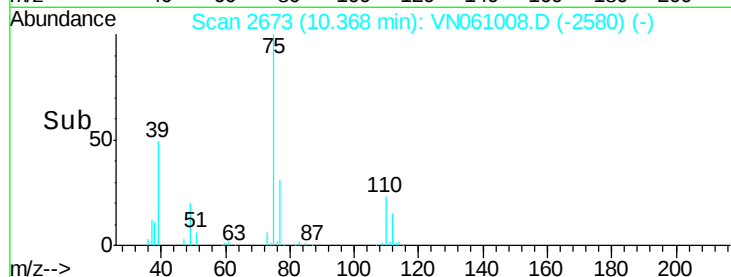
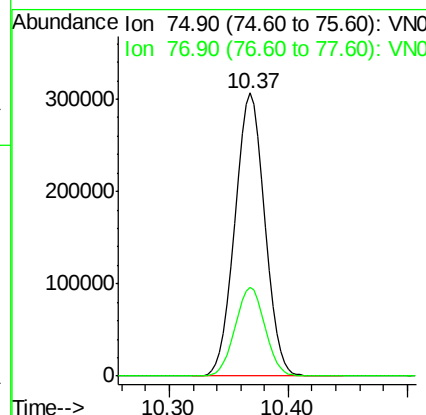
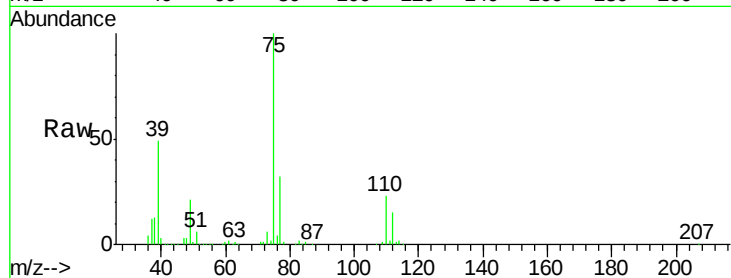
#53
t-1,3-Dichloropropene
Concen: 164.720 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6

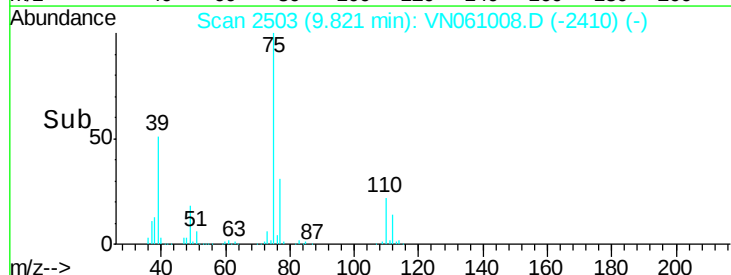
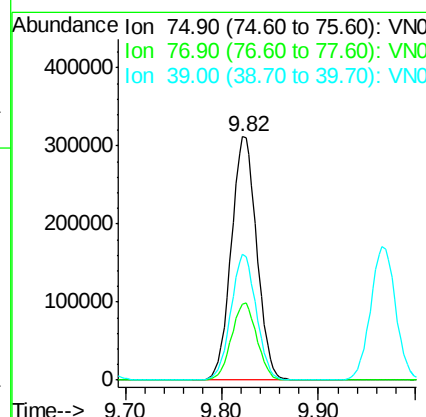
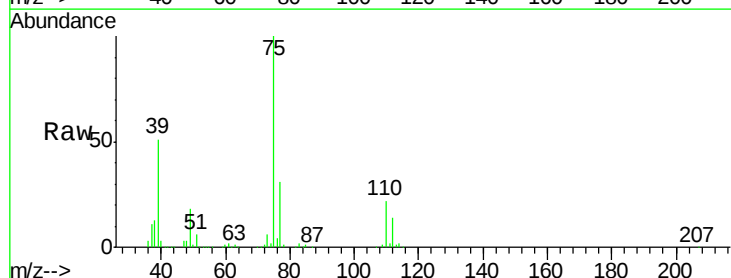
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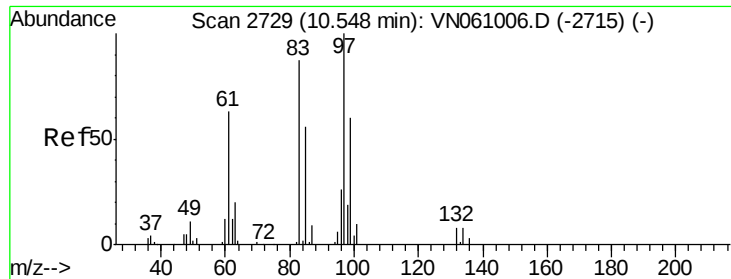
MMDadoda
4/17/2020 11:53:16 AM



#54
cis-1,3-Dichloropropene
Concen: 160.306 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6
39	51.5	41.4	62.2





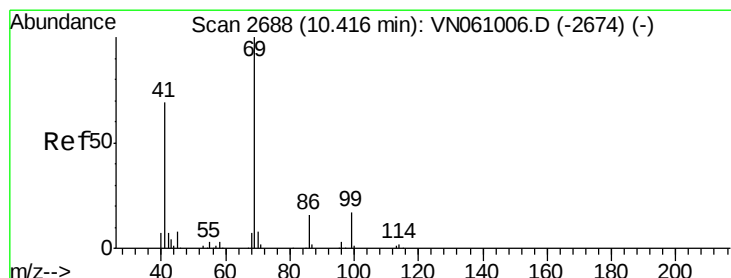
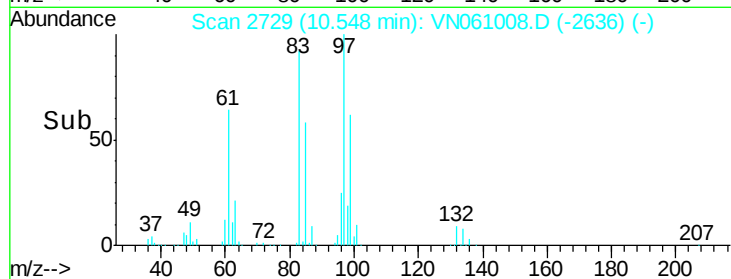
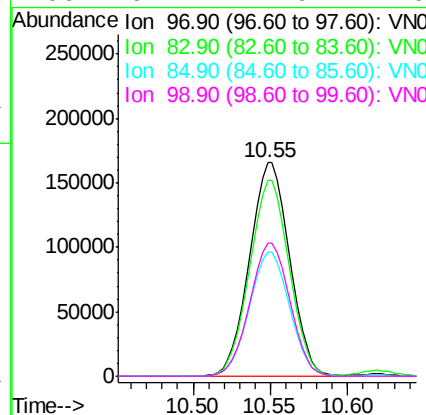
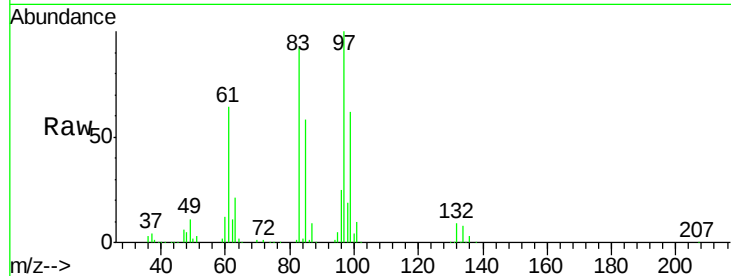
#55
 1,1,2-Trichloroethane
 Concen: 152.174 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: VN061008.D
 Acq: 16 Apr 2020 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	299535
Ion	Ratio	Lower	Upper
97	100		
83	91.5	69.5	104.3
85	58.3	45.0	67.4
99	62.4	47.9	71.9

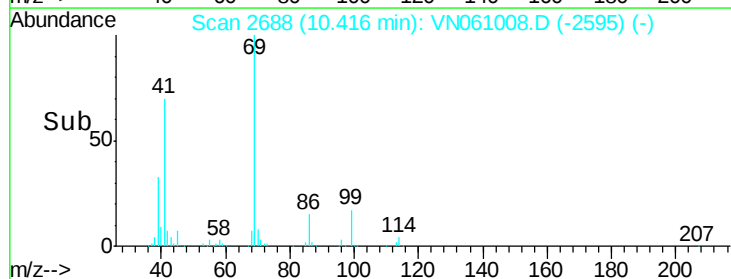
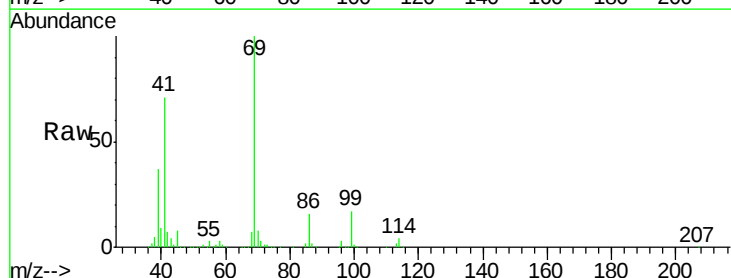
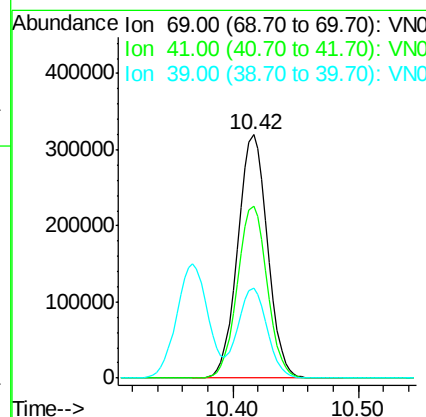
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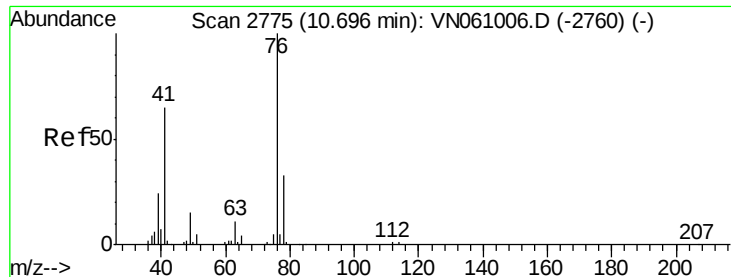
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#56
 Ethyl methacrylate
 Concen: 171.595 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061008.D
 Acq: 16 Apr 2020 13:04

Tgt Ion:	69	Resp:	527239
Ion	Ratio	Lower	Upper
69	100		
41	70.5	56.7	85.1
39	36.1	29.4	44.0





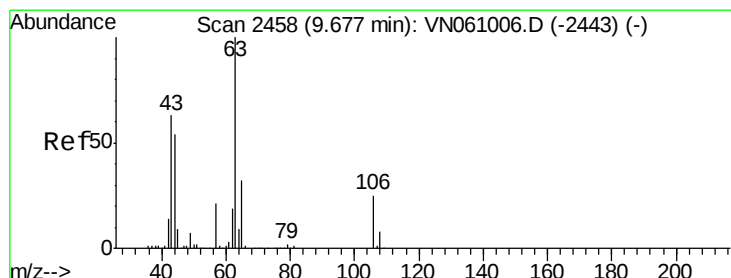
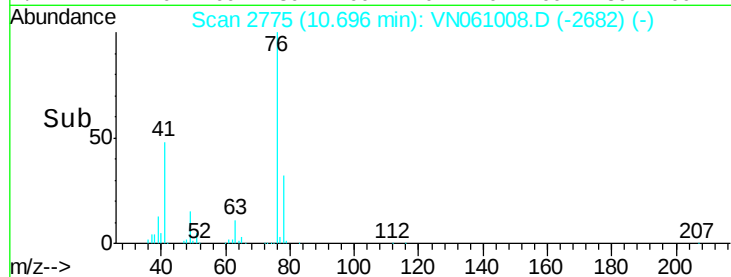
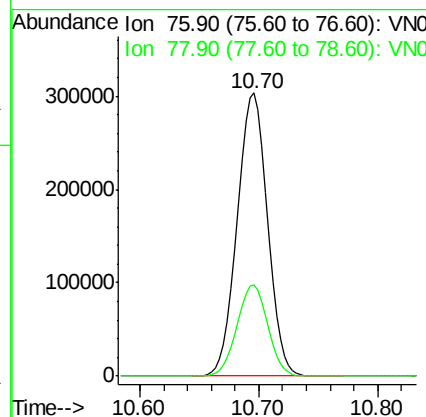
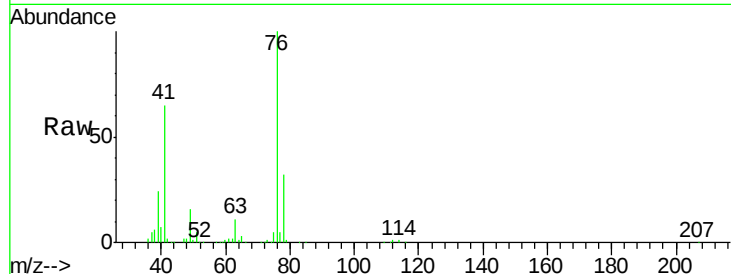
#57
 1,3-Dichloropropane
 Concen: 156.557 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN061008.D
 Acq: 16 Apr 2020 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.4	38.0

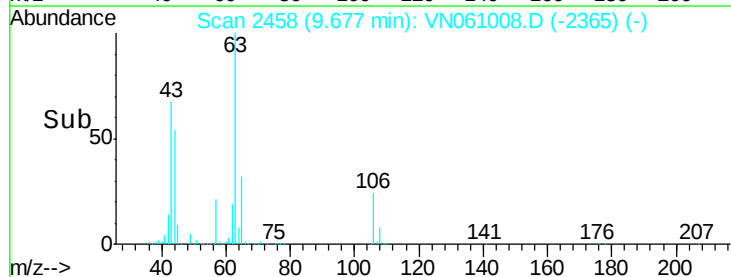
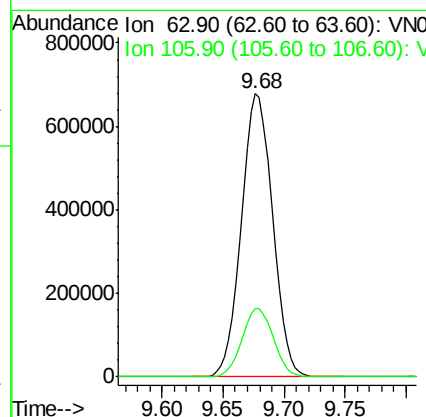
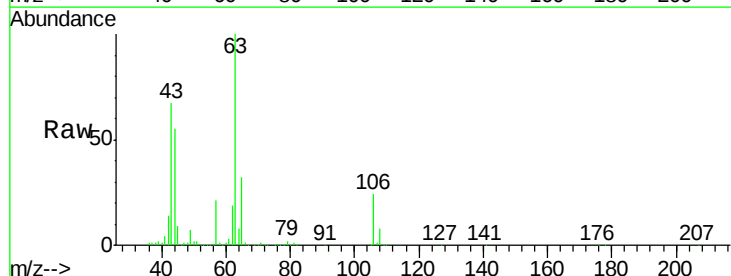
Manual Integrations
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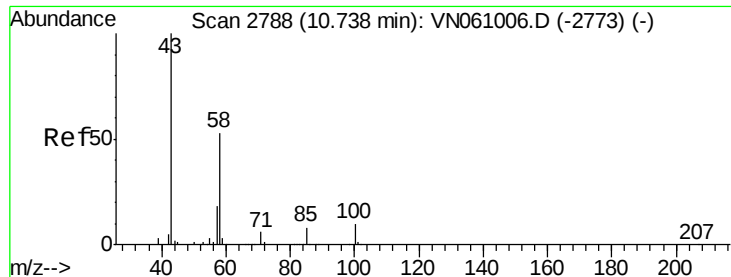
MMDadoda
 4/17/2020 11:53:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 817.916 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. 0.00 min
 Lab File: VN061008.D
 Acq: 16 Apr 2020 13:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.3	19.5	29.3





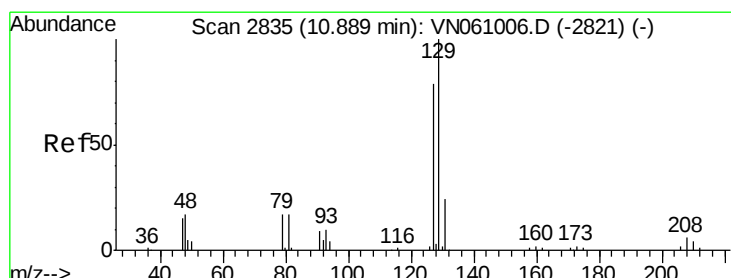
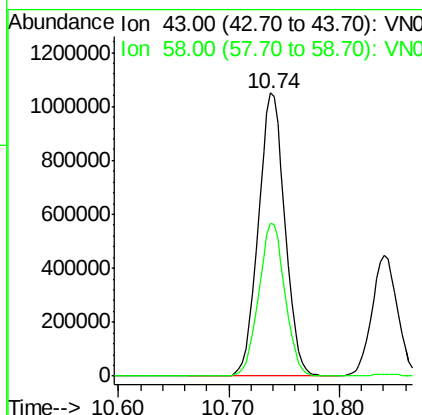
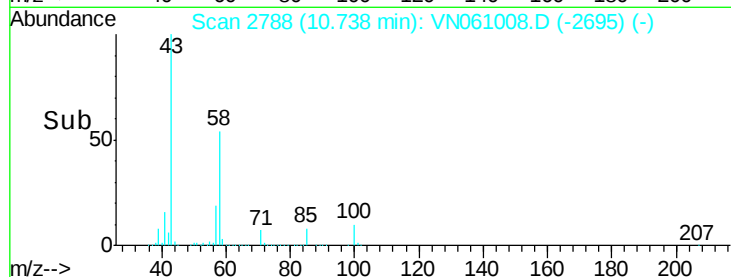
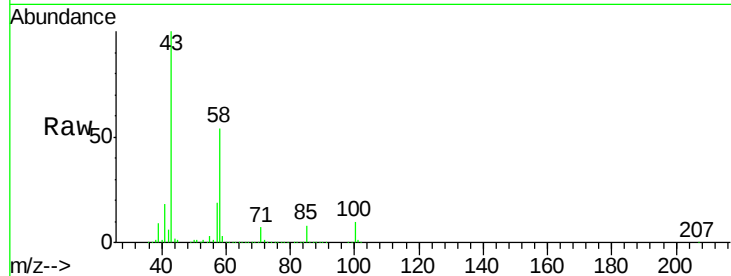
#59
2-Hexanone
Concen: 845.018 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1742574
Ion Ratio Lower Upper
43 100
58 53.6 26.4 79.0

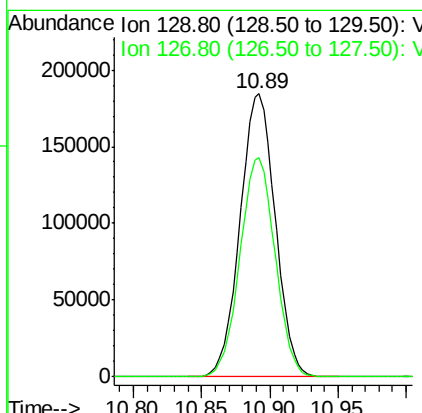
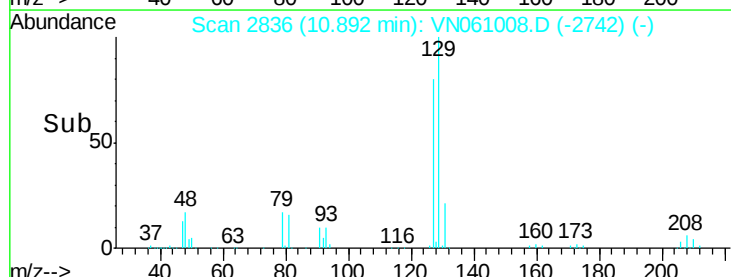
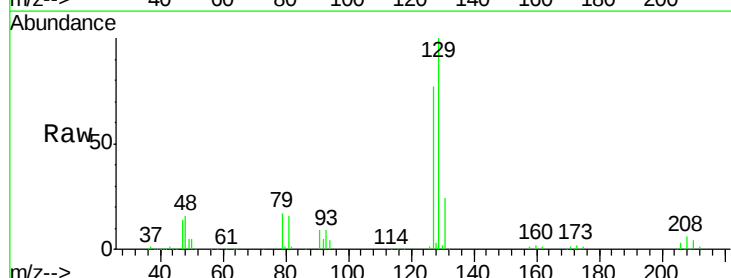
Manual Integrations
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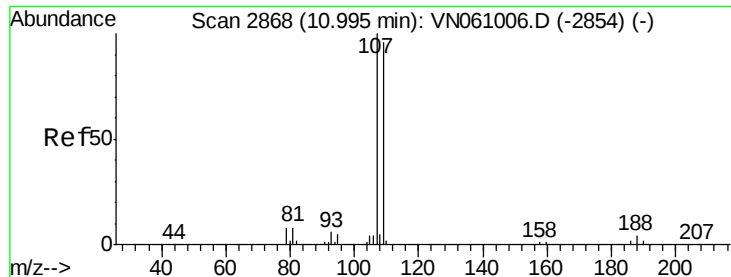
MMDadoda
4/17/2020 11:53:16 AM



#60
Dibromochloromethane
Concen: 162.944 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion: 129 Resp: 330206
Ion Ratio Lower Upper
129 100
127 77.2 39.0 116.9





#61

1,2-Dibromoethane

Concen: 160.051 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 315747

Ion Ratio Lower Upper

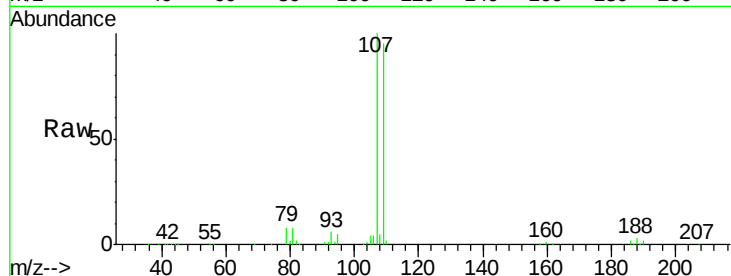
107 100

109 95.1 75.9 113.9

Manual Integrations
APPROVED

MMDadoda

4/17/2020 11:53:16 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.99

200000

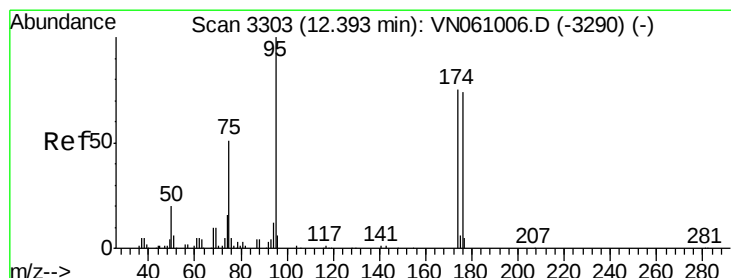
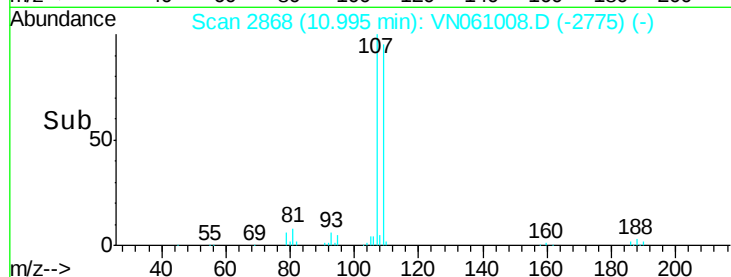
150000

100000

50000

0

Time--> 10.90 11.00



#62

4-Bromofluorobenzene

Concen: 146.308 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

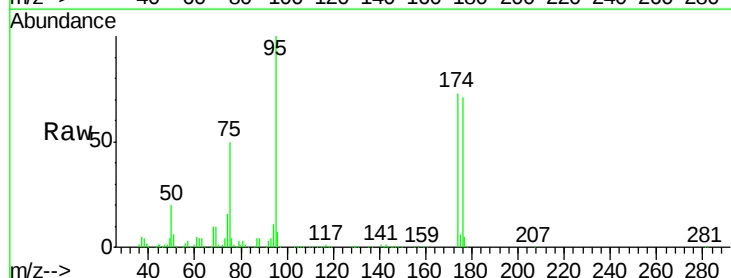
Tgt Ion: 95 Resp: 374121

Ion Ratio Lower Upper

95 100

174 74.8 0.0 151.2

176 72.4 0.0 148.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

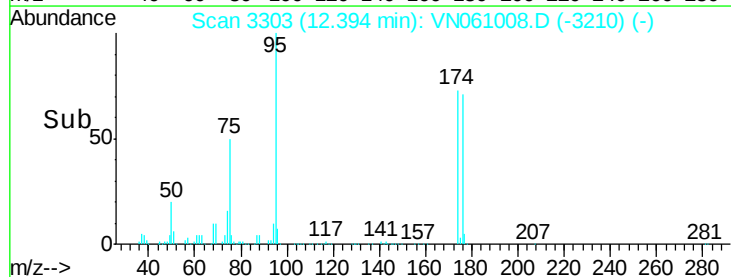
150000

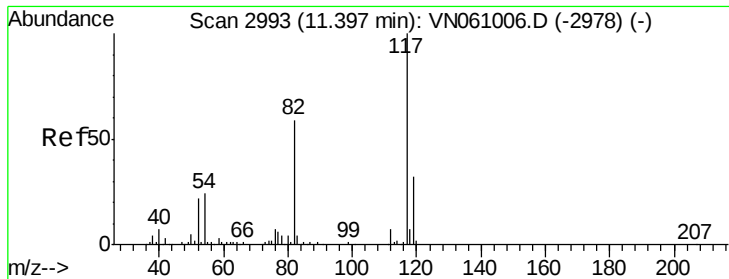
100000

50000

0

Time--> 12.30 12.35 12.40 12.45





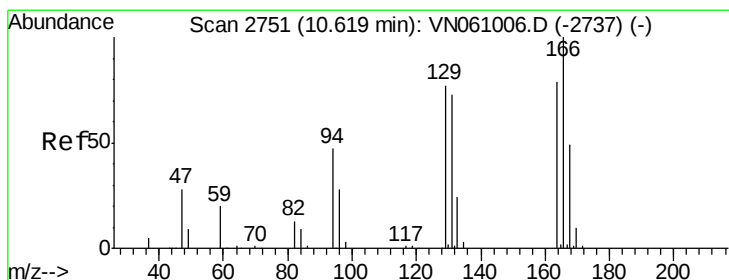
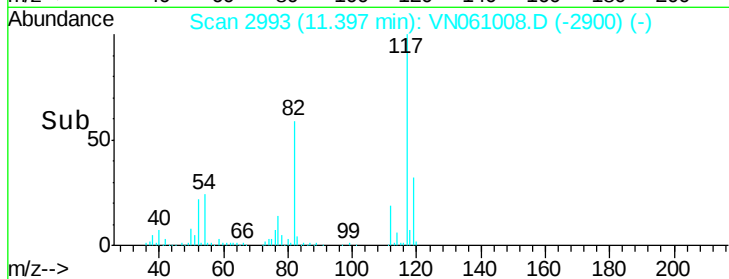
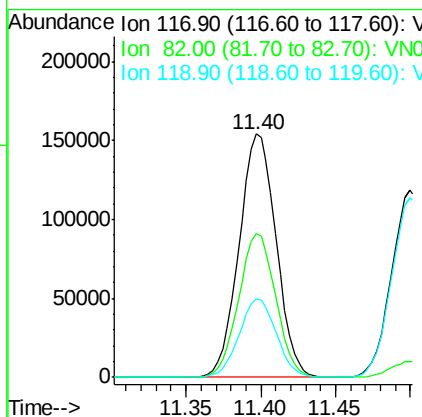
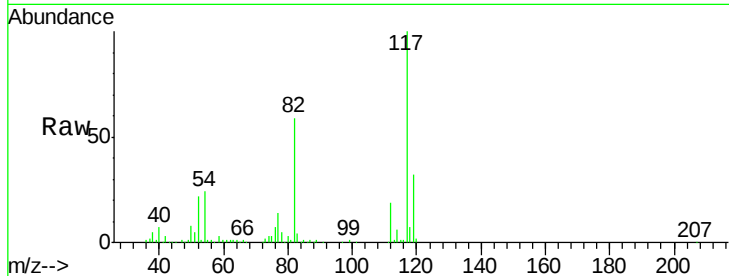
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.1	70.7
119	32.1	25.7	38.5

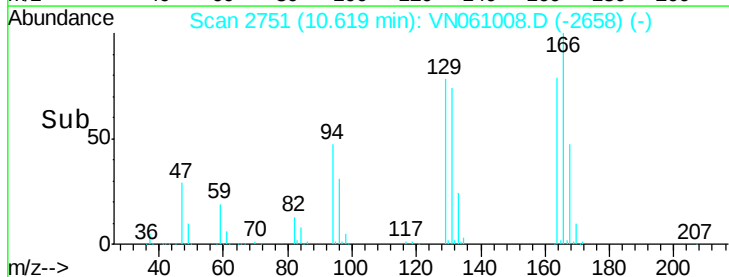
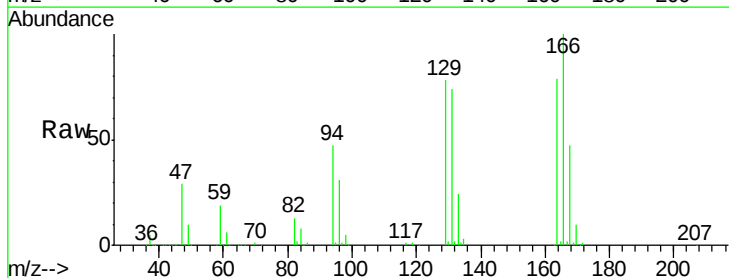
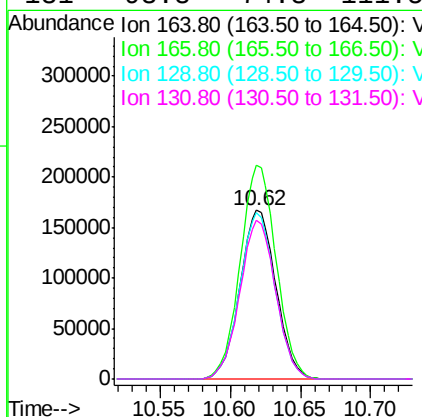
Manual Integrations
APPROVED

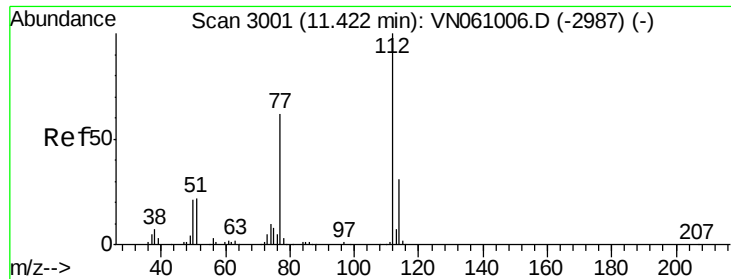
MMDadoda
4/17/2020 11:53:16 AM



#64
Tetrachloroethene
Concen: 143.496 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	101.6	152.4
129	98.3	78.5	117.7
131	93.8	74.3	111.5





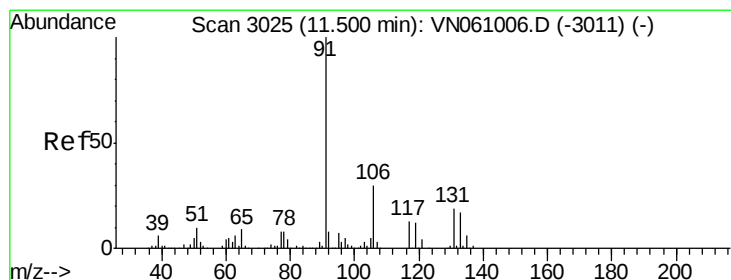
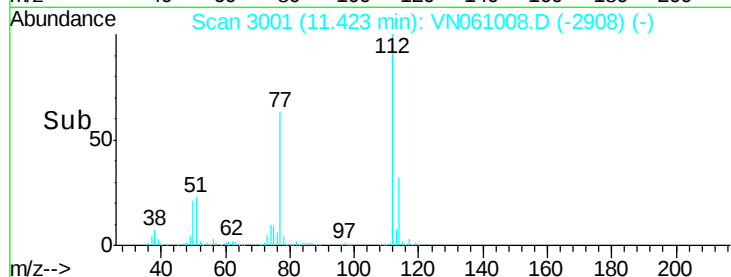
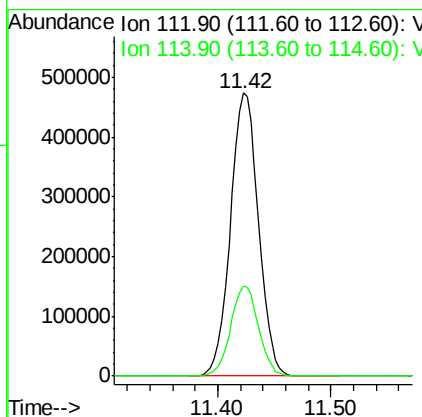
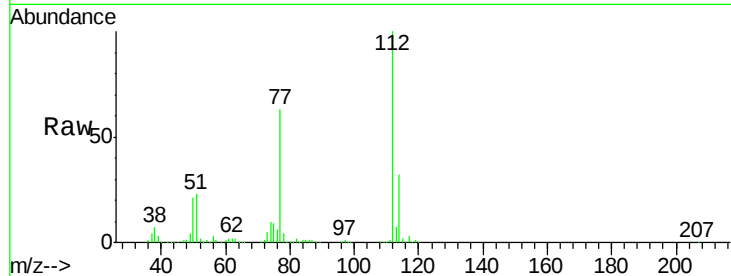
#65
Chlorobenzene
Concen: 153.685 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 813972
Ion Ratio Lower Upper
112 100
114 31.8 25.1 37.7

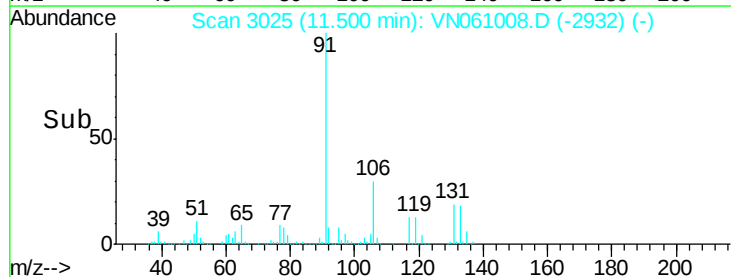
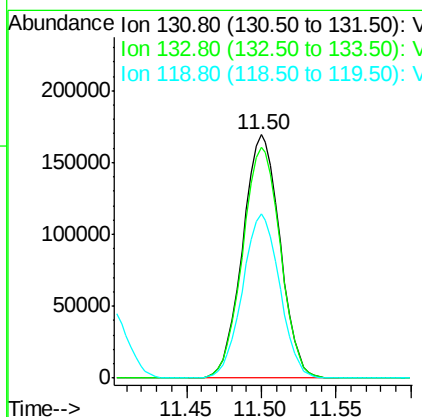
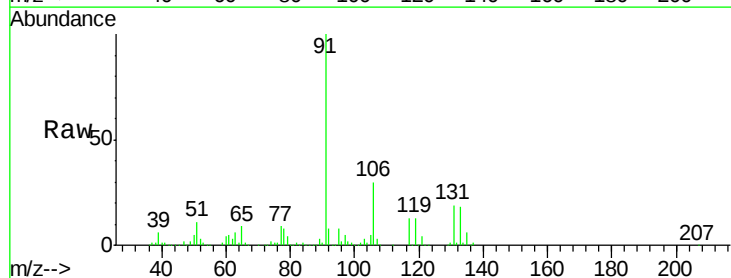
Manual Integrations
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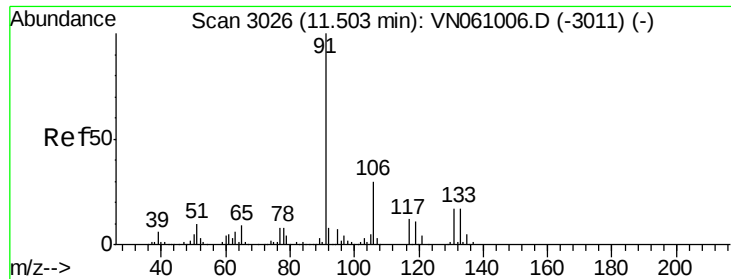
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 153.694 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion:131 Resp: 294289
Ion Ratio Lower Upper
131 100
133 95.7 47.9 143.8
119 66.9 33.3 99.8





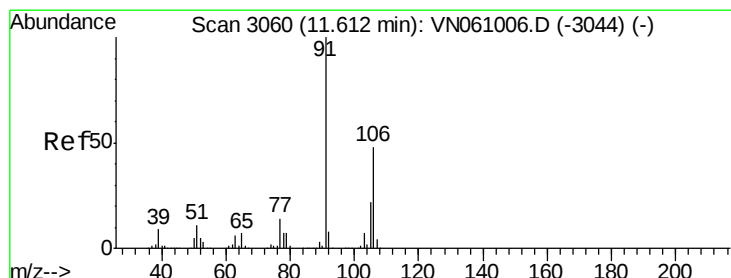
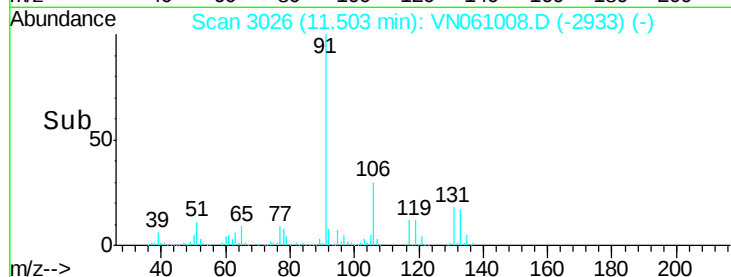
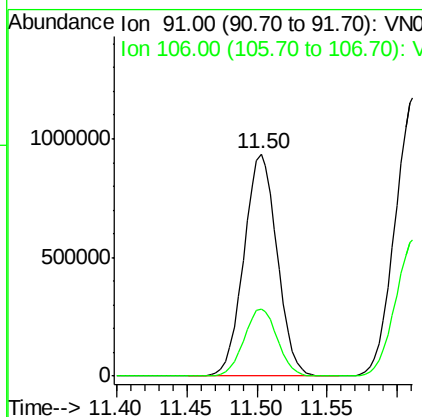
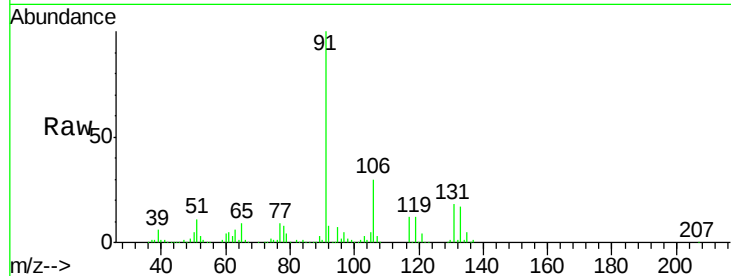
#67
Ethyl Benzene
Concen: 156.538 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1541949
Ion Ratio Lower Upper
91 100
106 30.5 23.8 35.8

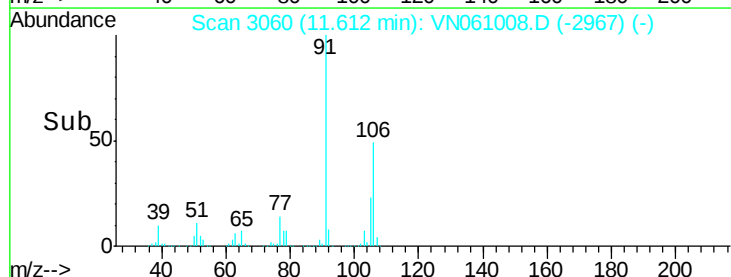
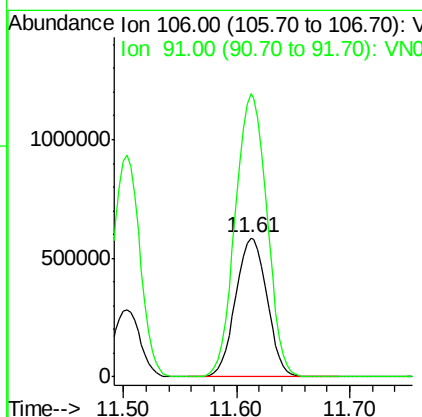
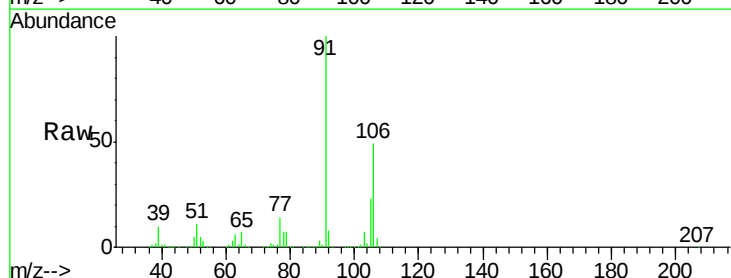
Manual Integrations
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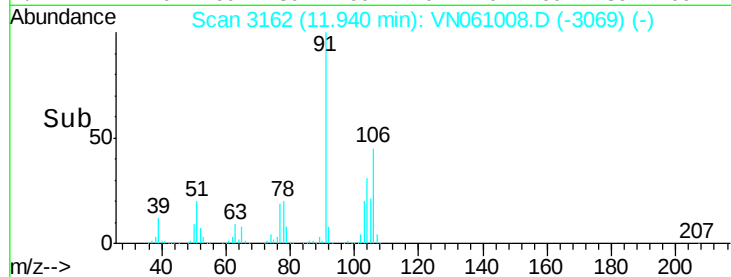
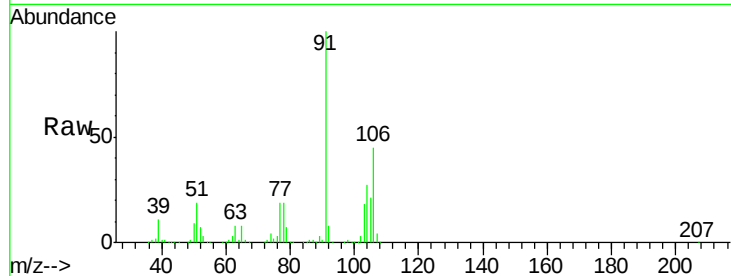
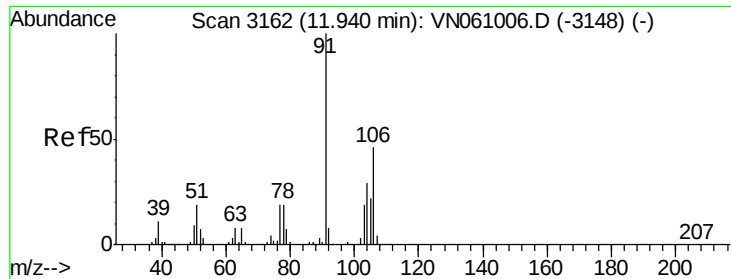
MMDadoda
4/17/2020 11:53:16 AM



#68
m/p-Xylenes
Concen: 310.375 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion: 106 Resp: 1131542
Ion Ratio Lower Upper
106 100
91 205.6 167.9 251.9





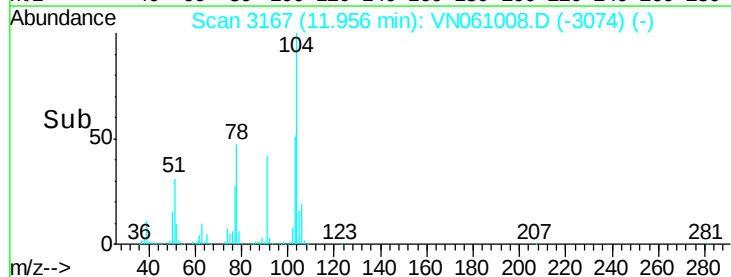
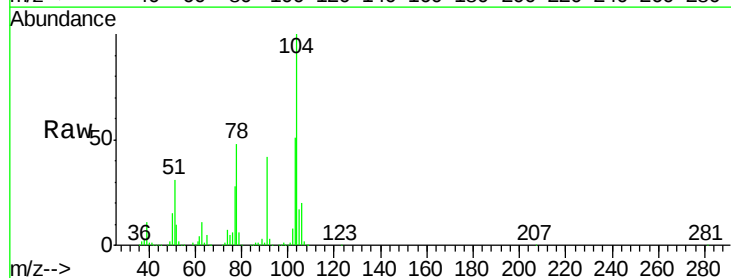
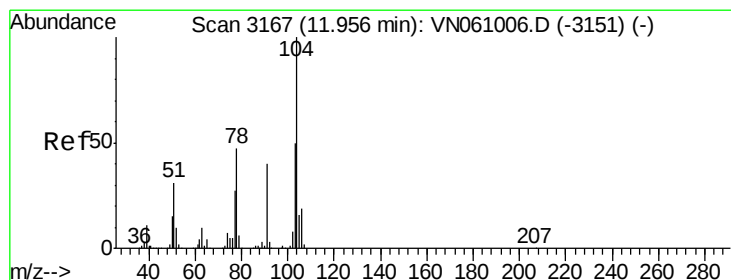
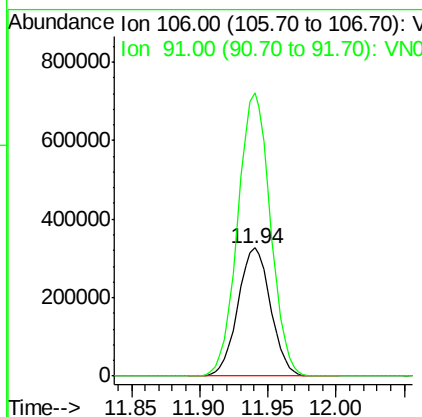
#69
o-Xylene
Concen: 156.178 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tot Ion	Ratio	Resp	Lower	Upper
106	100	543421		
91	220.2	110.7	332.1	

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

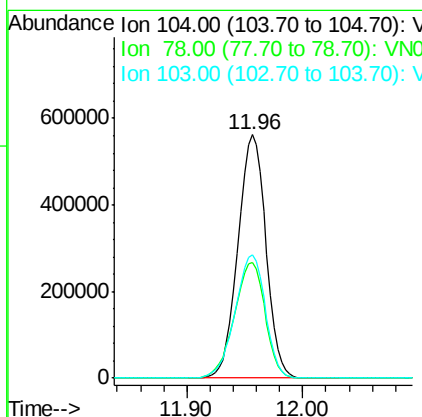
Manual Integrations
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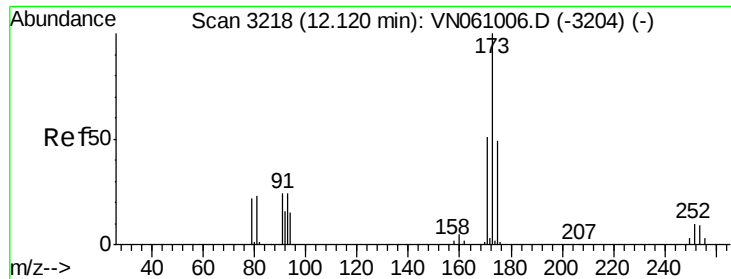
MMDadoda
4/17/2020 11:53:16 AM



#70
Styrene
Concen: 165.220 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	941225		
78	52.3	42.2	63.4	
103	54.8	44.4	66.6	





#71

Bromoform

Concen: 170.997 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Instrument :

MSVOA_N

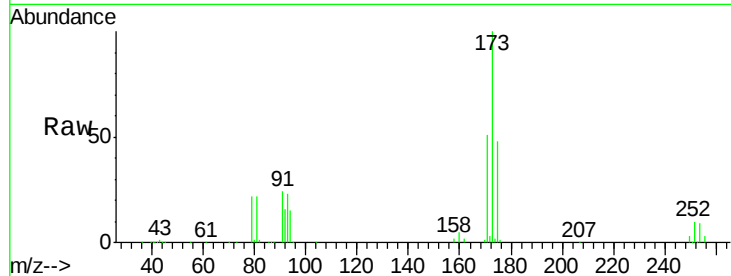
ClientSampled :

VSTDIC150

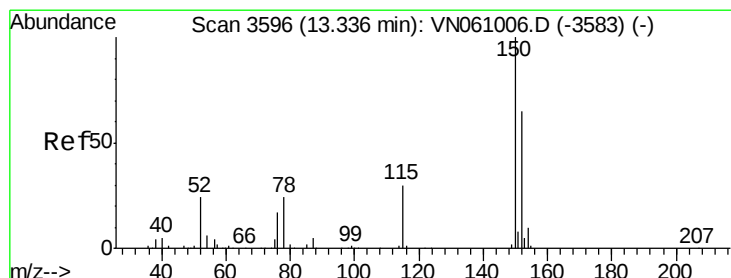
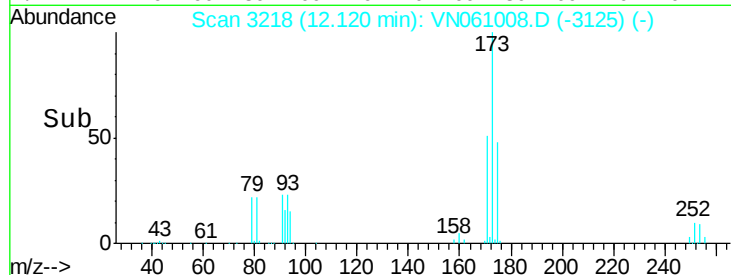
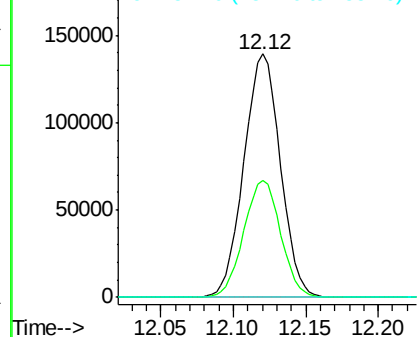
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.5	73.5
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

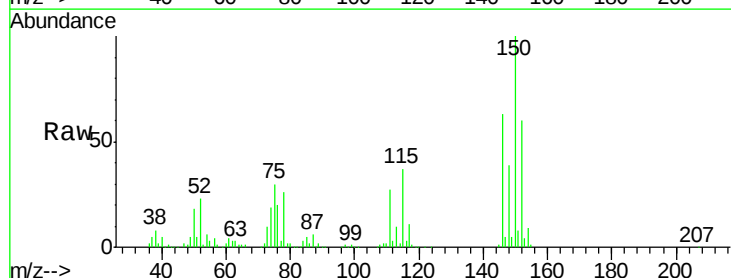
RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

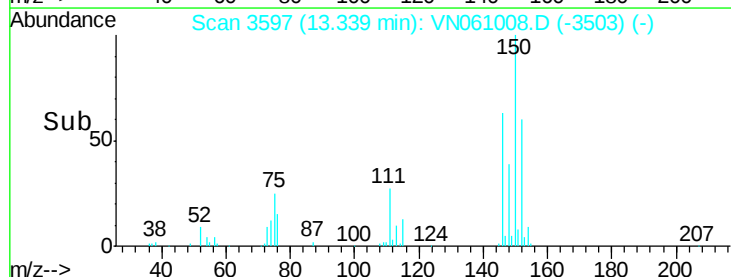
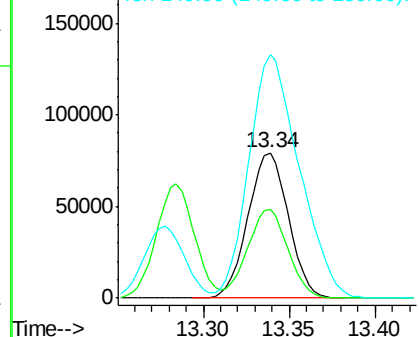
Lab File: VN061008.D

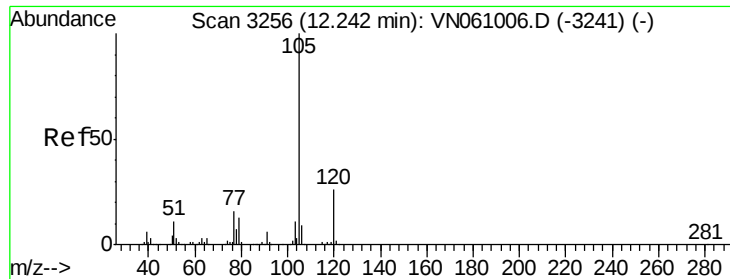
Acq: 16 Apr 2020 13:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.8	92.4
150	209.2	0.0	349.0



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





#73

Isopropylbenzene

Concen: 149.693 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1456072

Ion Ratio Lower Upper

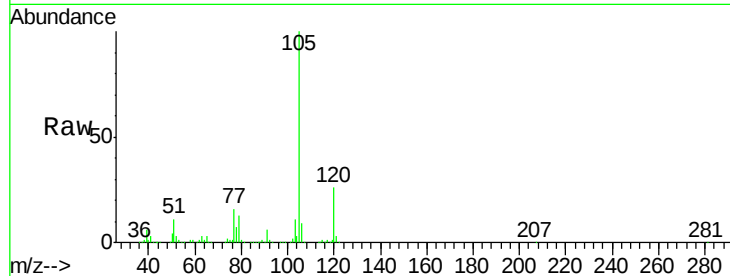
105 100

120 25.9 13.0 38.9

Manual Integrations
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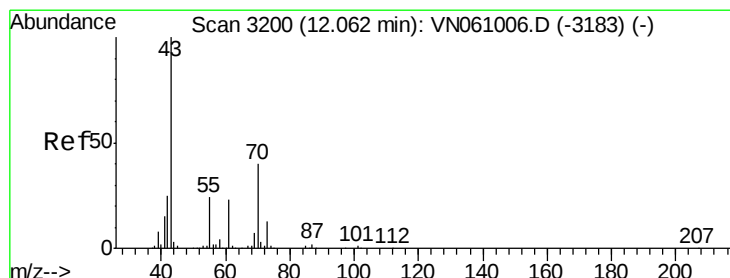
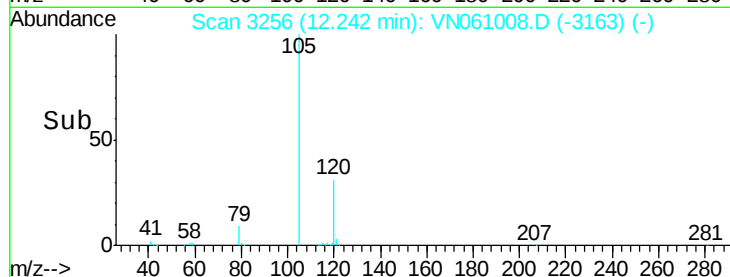
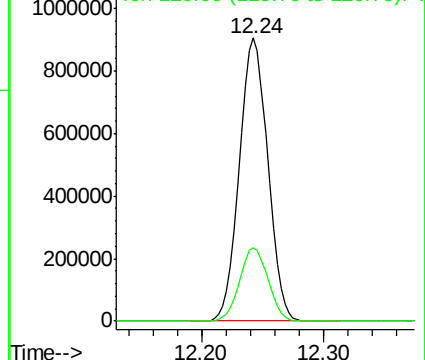
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 161.631 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Tgt Ion: 43 Resp: 729497

Ion Ratio Lower Upper

43 100

70 38.9 31.0 46.6

55 22.8 18.6 27.8

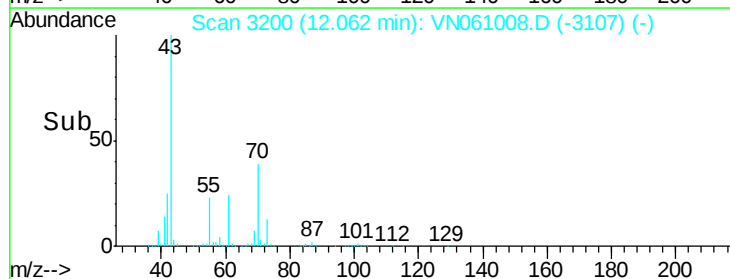
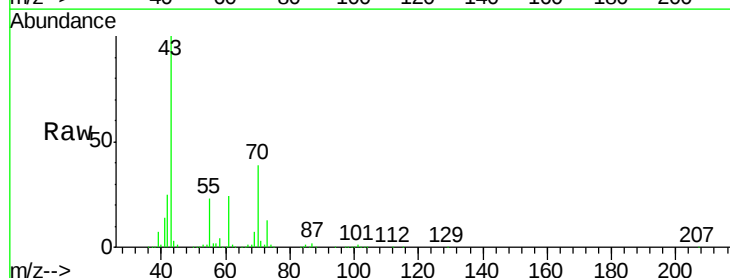
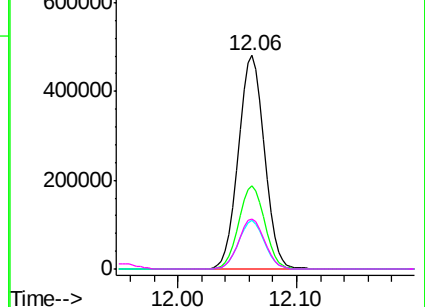
61 23.5 18.2 27.4

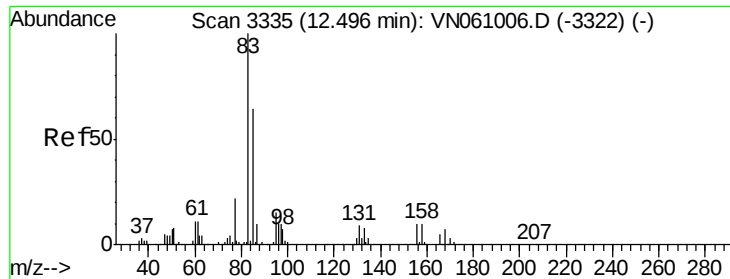
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 154.121 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 455686

Ion Ratio Lower Upper

83 100

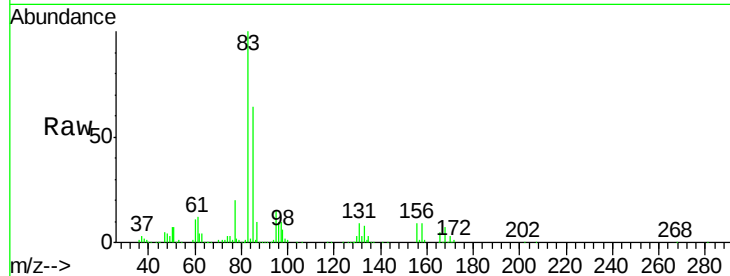
131 9.4 4.8 14.3

85 64.2 32.3 96.8

Manual Integrations
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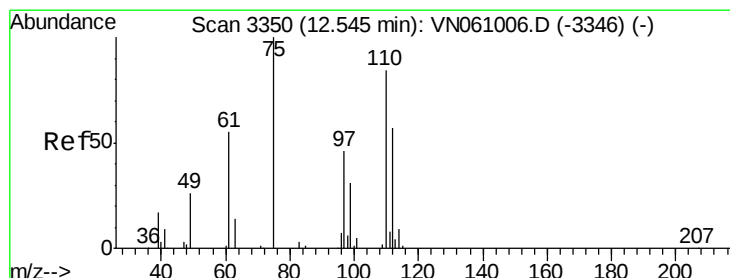
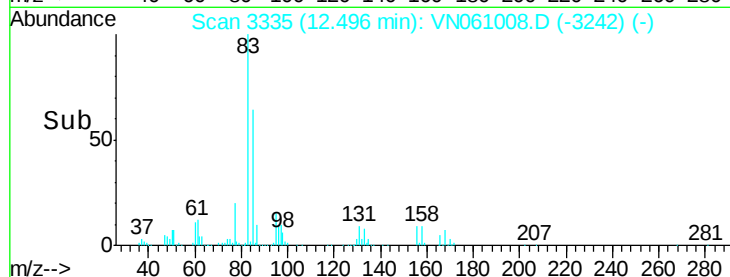
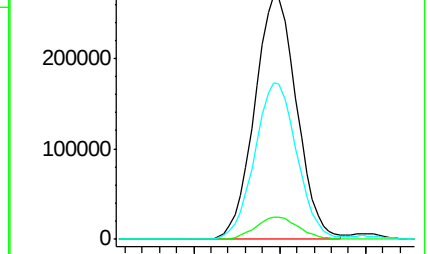
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Abundance Ion 82.90 (82.60 to 83.60): VN061008.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN061008.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN061008.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 145.597 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN061008.D

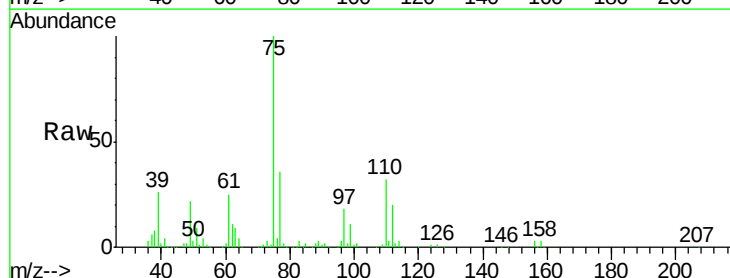
Acq: 16 Apr 2020 13:04

Tgt Ion: 75 Resp: 406360

Ion Ratio Lower Upper

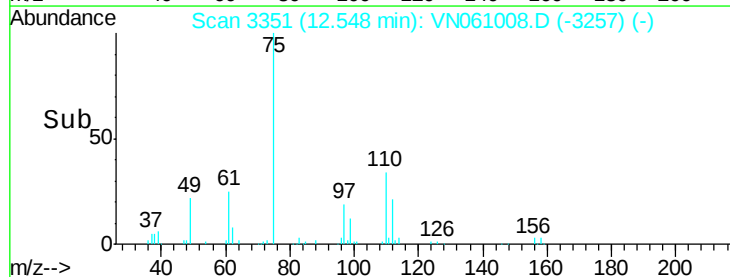
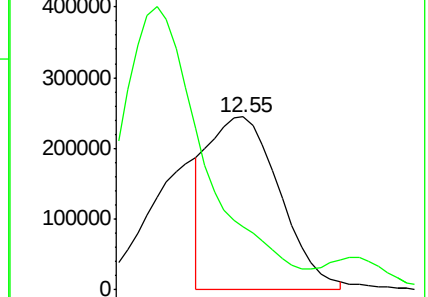
75 100

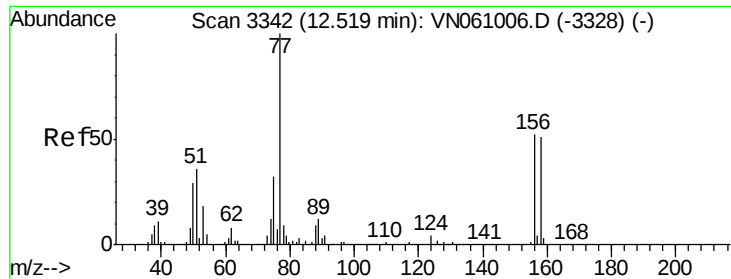
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061008.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN061008.D (-3346) (-)





#77

Bromobenzene

Concen: 147.947 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Instrument :

MSVOA_N

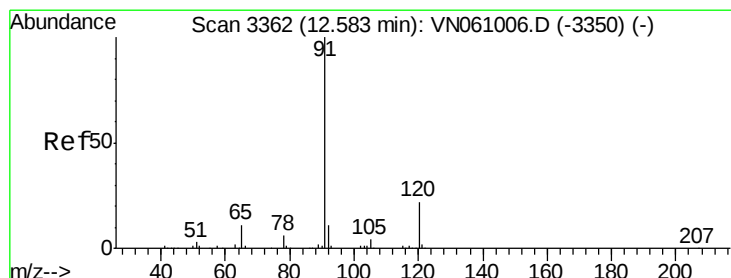
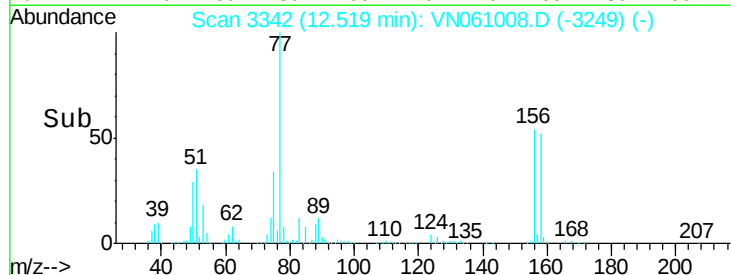
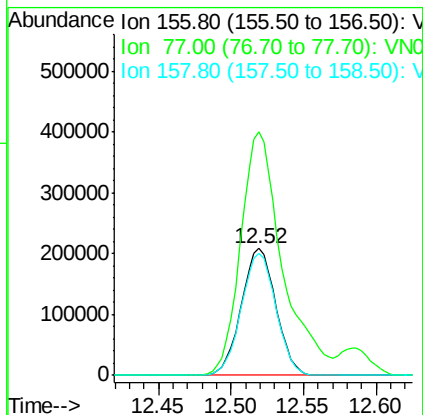
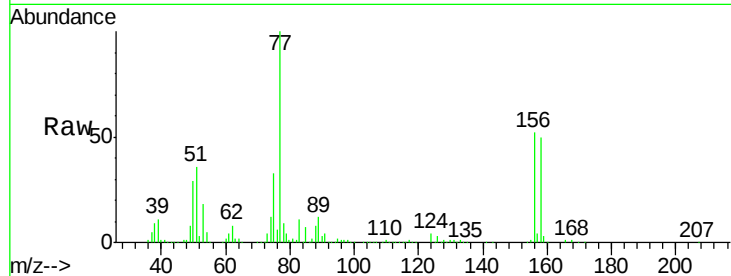
ClientSampled :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	232.7	115.6	346.8	
158	96.6	48.9	146.6	

Manual Integrations
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#78

n-propylbenzene

Concen: 152.422 ug/l

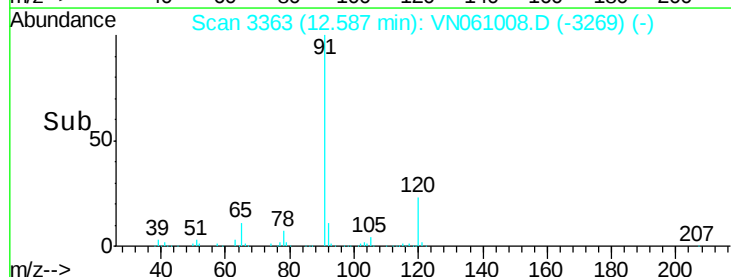
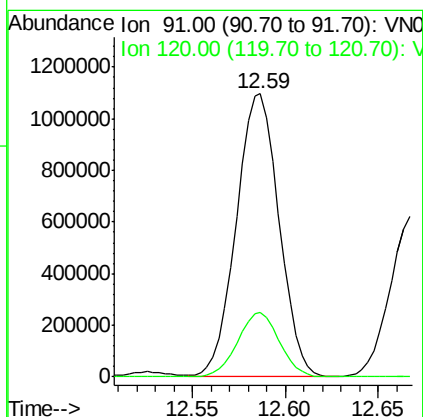
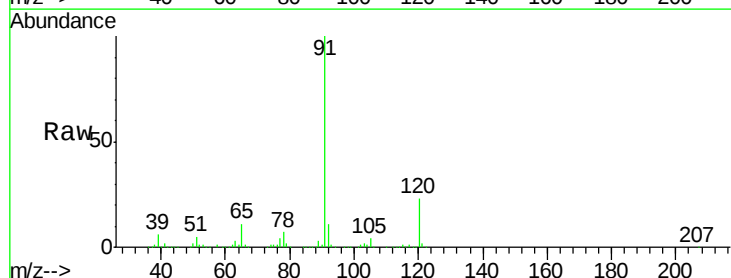
RT: 12.59 min Scan# 3363

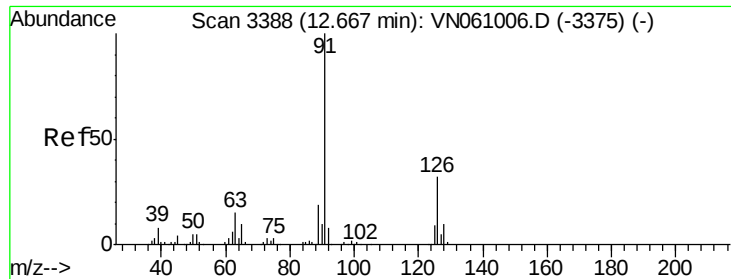
Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.1	10.9	32.7	





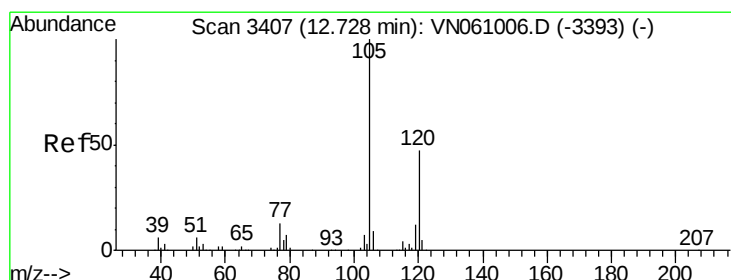
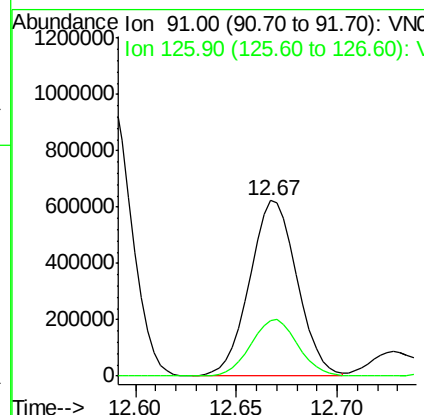
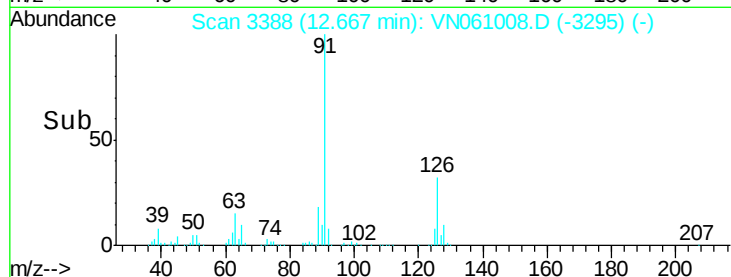
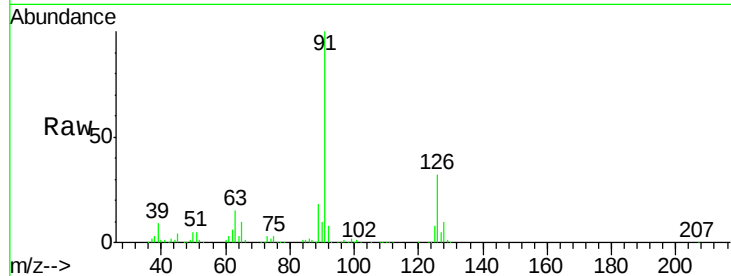
#79
 2-Chlorotoluene
 Concen: 149.928 ug/l
 RT: 12.67 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VN061008.D
 Acq: 16 Apr 2020 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 1028745
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.1 48.2

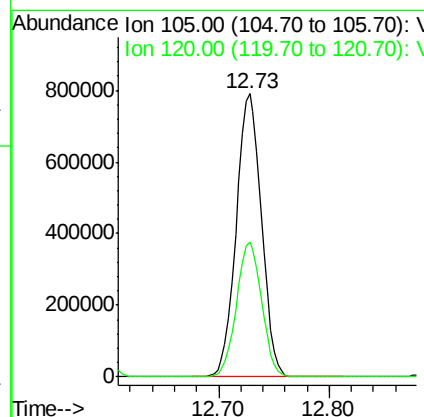
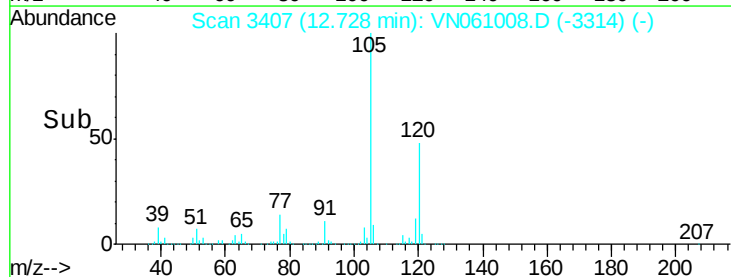
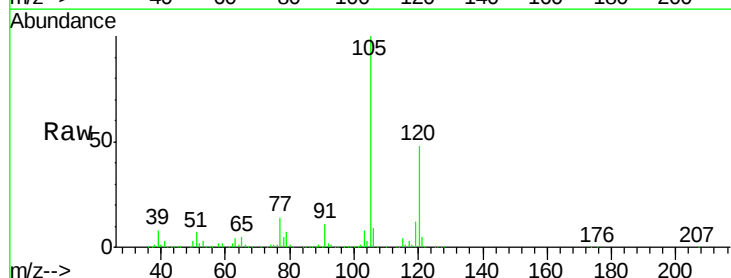
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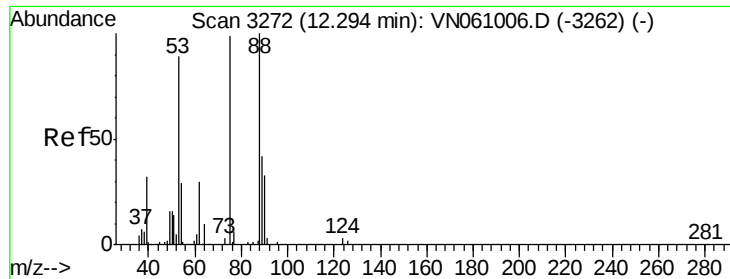
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 151.276 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN061008.D
 Acq: 16 Apr 2020 13:04

Tgt Ion: 105 Resp: 1249670
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 160.341 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Instrument :

MSVOA_N

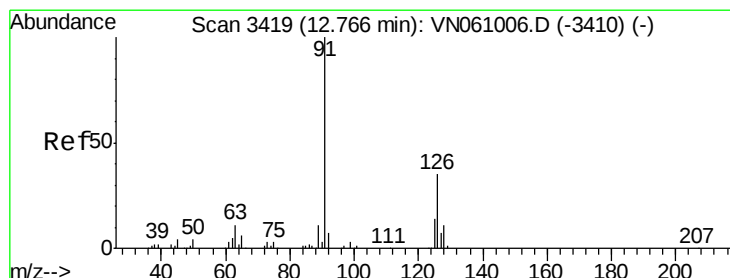
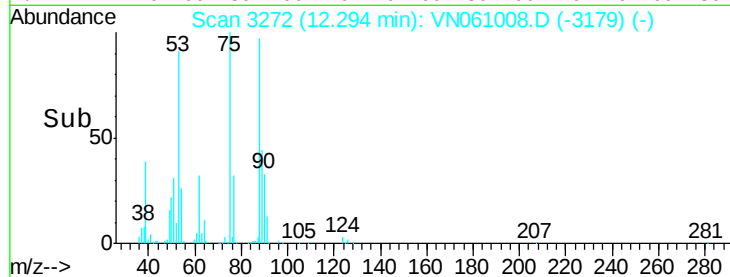
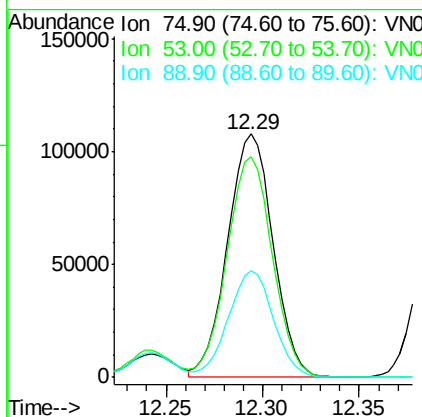
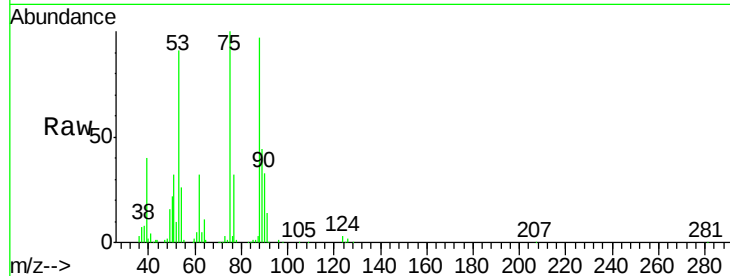
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	175151
Ion	Ratio	Lower	Upper
75	100		
53	91.7	74.7	112.1
89	43.7	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 154.735 ug/l

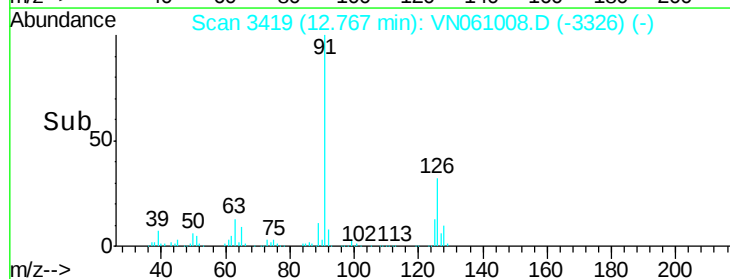
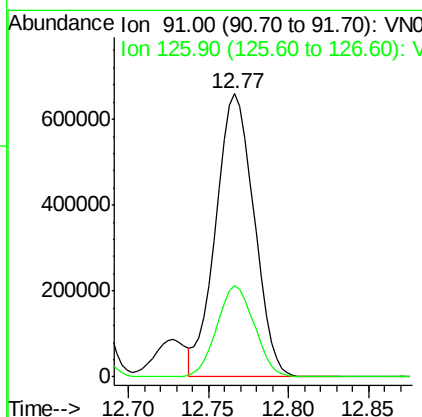
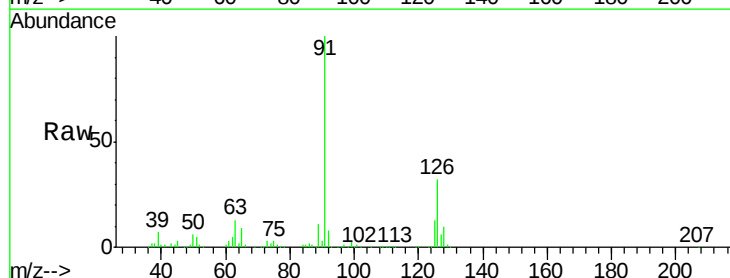
RT: 12.77 min Scan# 3419

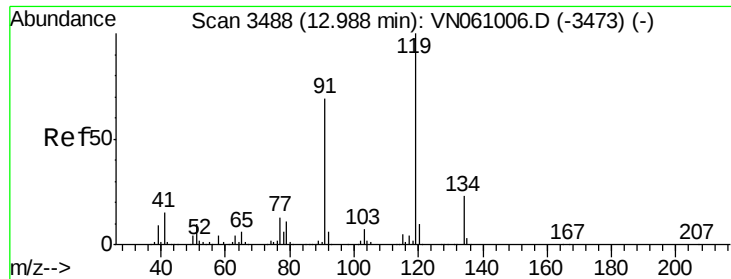
Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Tgt Ion:	91	Resp:	1083796
Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.9	47.6





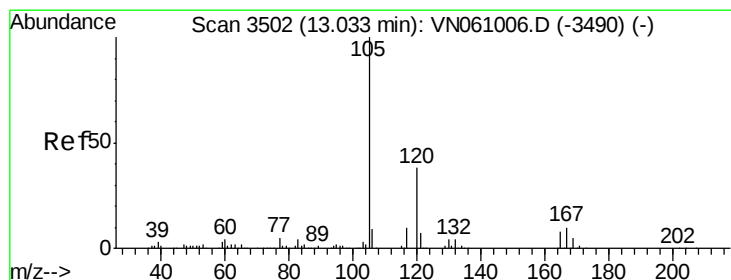
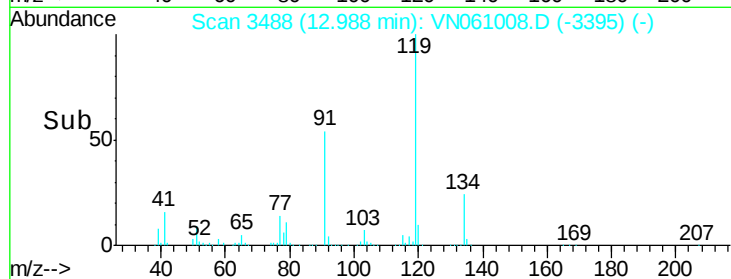
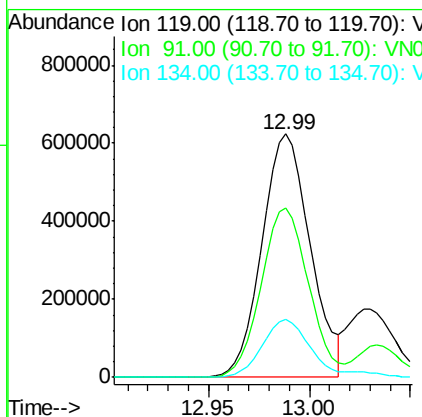
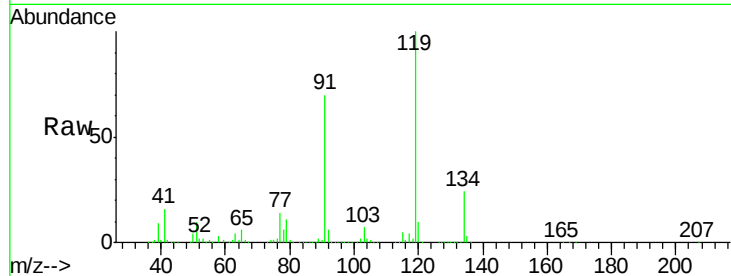
#83
 tert-Butylbenzene
 Concen: 152.021 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN061008.D
 Acq: 16 Apr 2020 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1041236
 Ion Ratio Lower Upper
 119 100
 91 68.5 34.1 102.3
 134 24.9 12.4 37.2

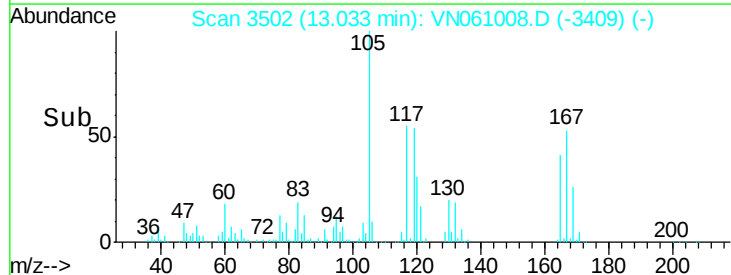
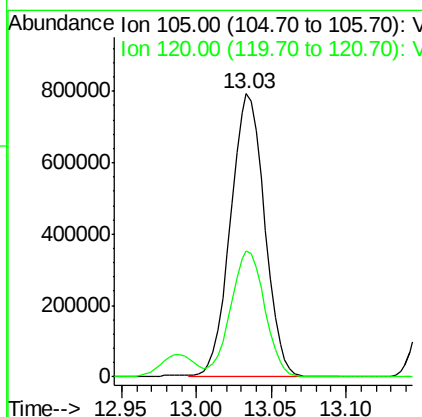
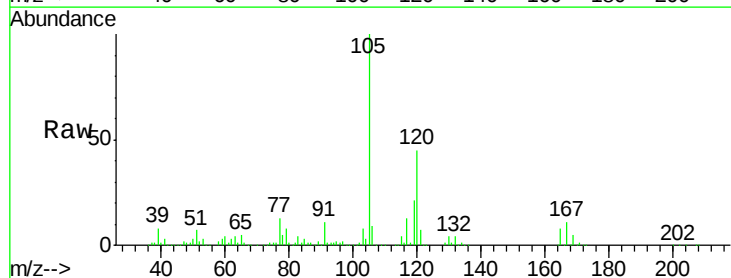
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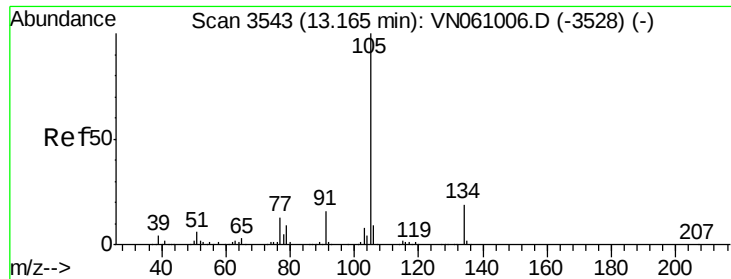
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 153.936 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN061008.D
 Acq: 16 Apr 2020 13:04

Tgt Ion:105 Resp: 1257064
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.1 66.5





#85

sec-Butylbenzene

Concen: 154.658 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1427844

Ion Ratio Lower Upper

105 100

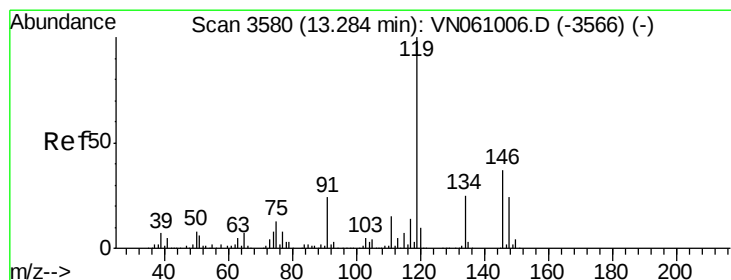
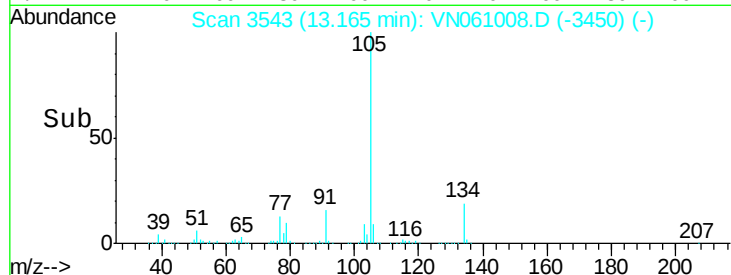
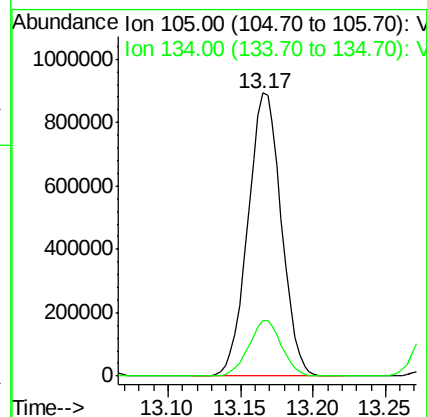
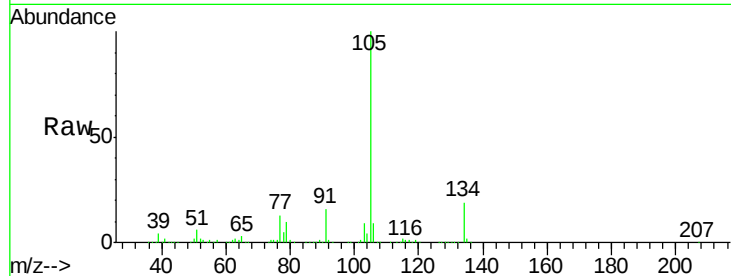
134 19.3 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 155.537 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

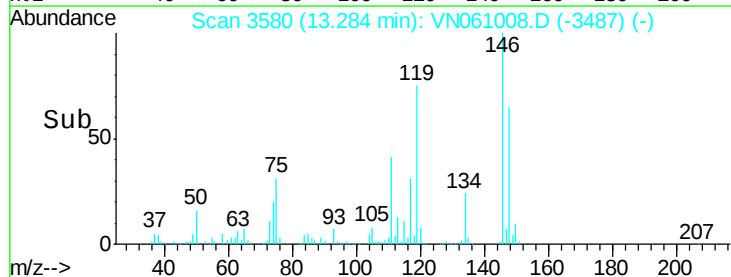
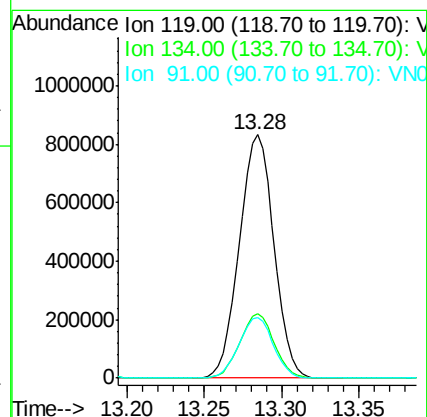
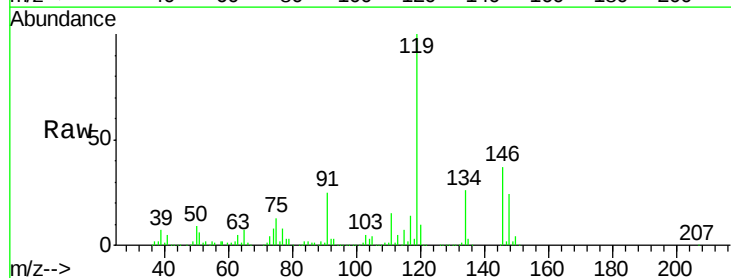
Tgt Ion:119 Resp: 1290015

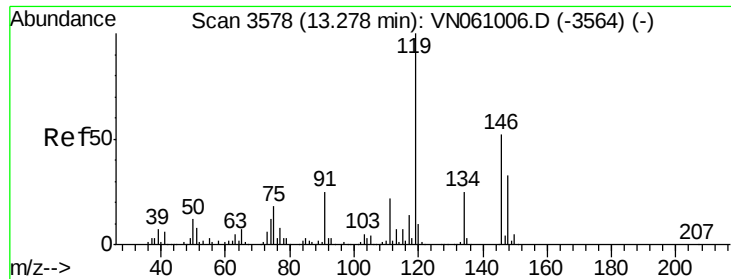
Ion Ratio Lower Upper

119 100

134 26.2 12.8 38.4

91 24.7 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 152.487 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Instrument :

MSVOA_N

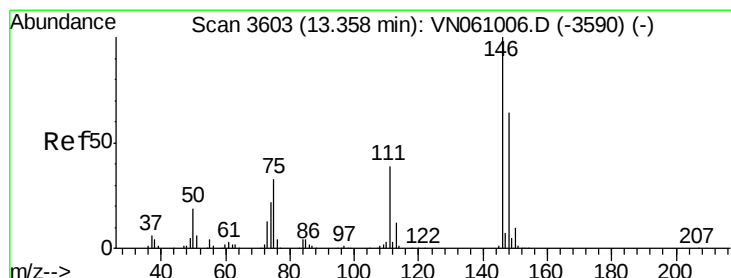
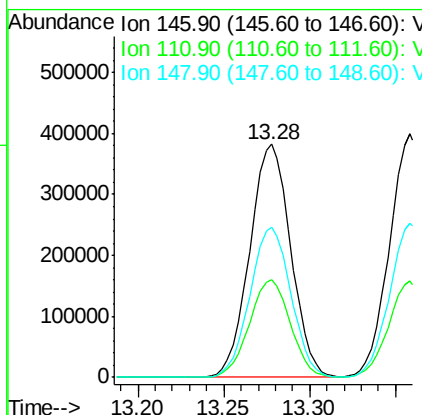
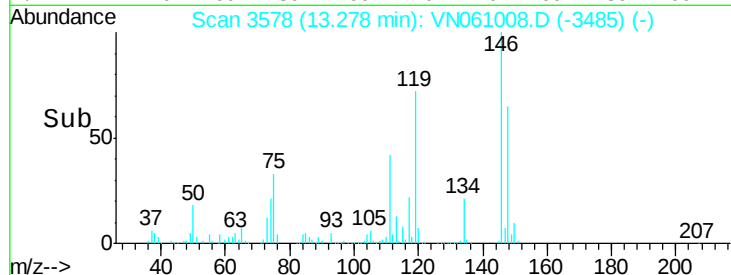
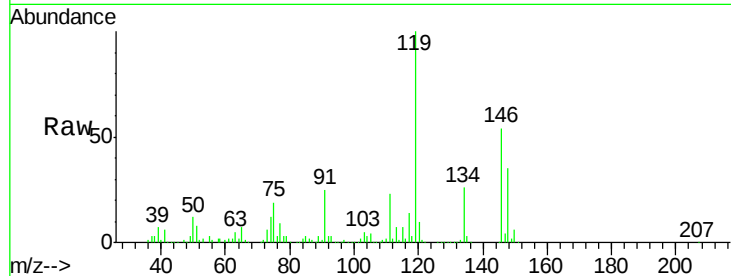
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	630236
Ion Ratio	Lower	Upper	
146	100		
111	41.8	20.6	61.8
148	64.4	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 153.569 ug/l

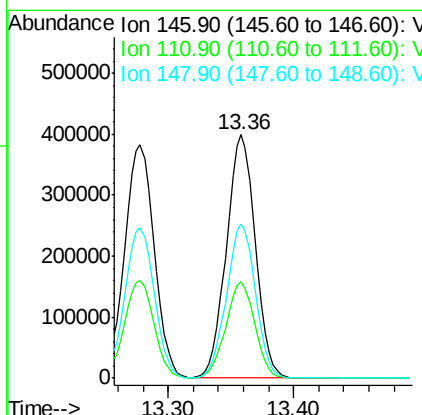
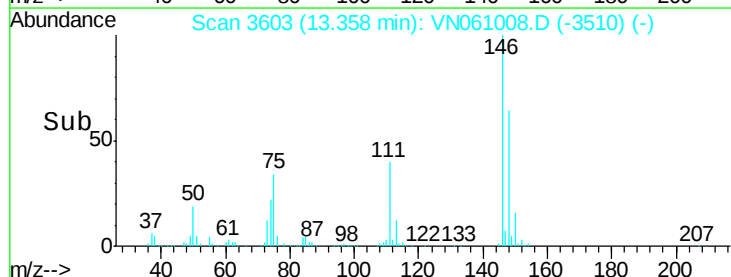
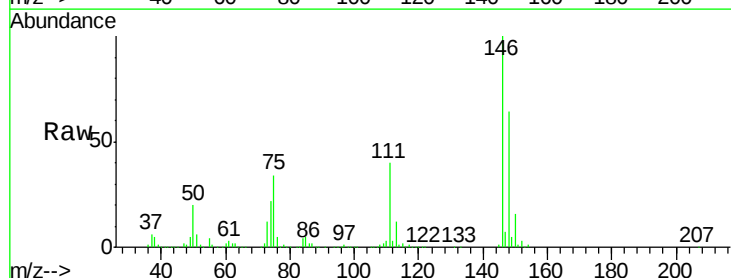
RT: 13.36 min Scan# 3603

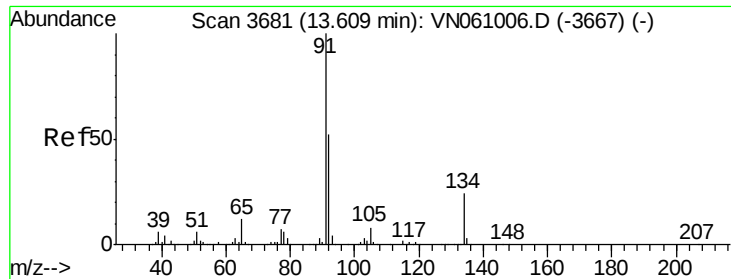
Delta R.T. 0.00 min

Lab File: VN061008.D

Acq: 16 Apr 2020 13:04

Tgt Ion:	146	Resp:	636782
Ion Ratio	Lower	Upper	
146	100		
111	39.6	20.1	60.3
148	63.6	32.1	96.3





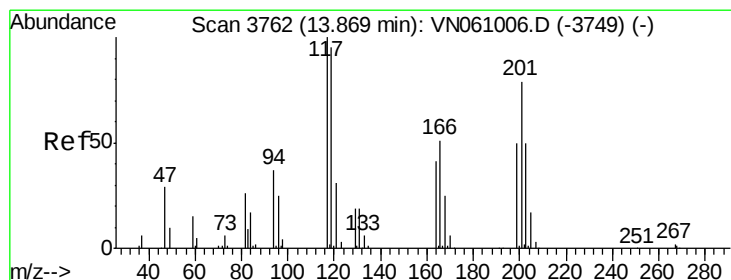
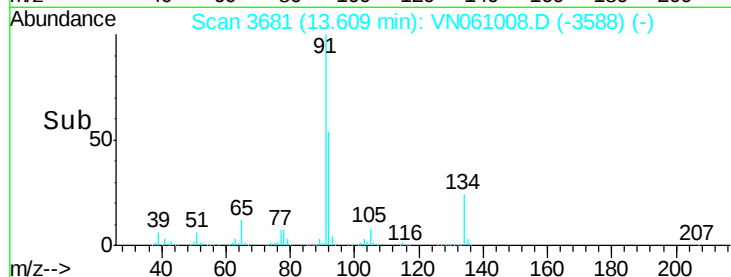
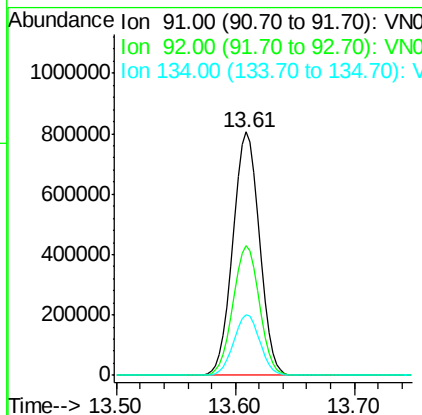
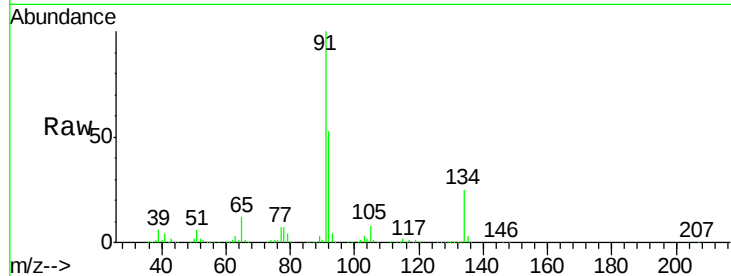
#89
n-Butylbenzene
Concen: 165.674 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1246773
Ion Ratio Lower Upper
91 100
92 52.8 26.1 78.2
134 24.6 12.3 36.8

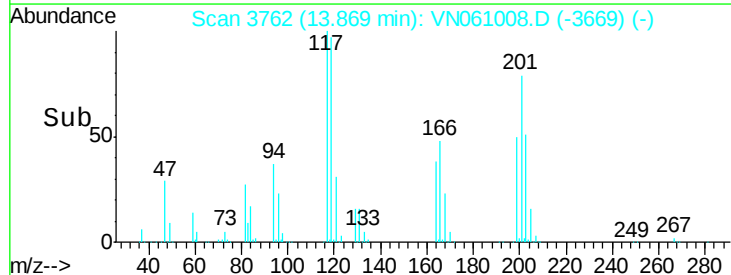
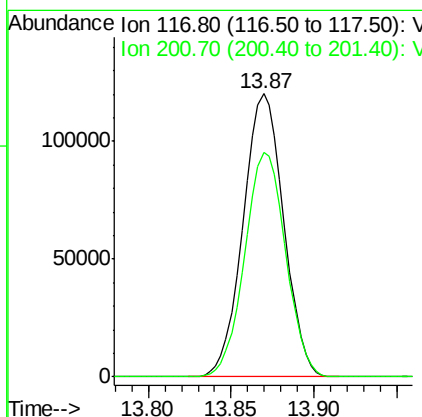
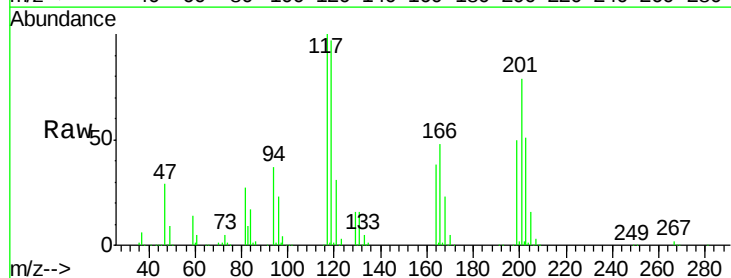
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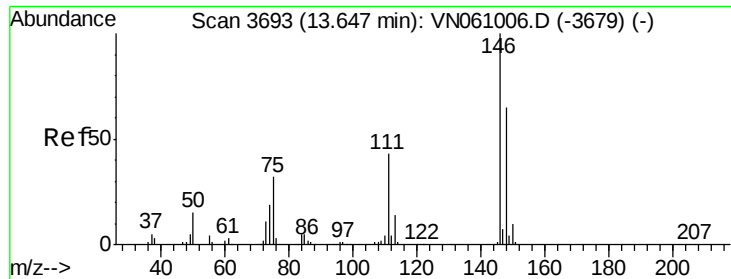
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#90
Hexachloroethane
Concen: 169.068 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion: 117 Resp: 204455
Ion Ratio Lower Upper
117 100
201 80.1 39.3 117.9





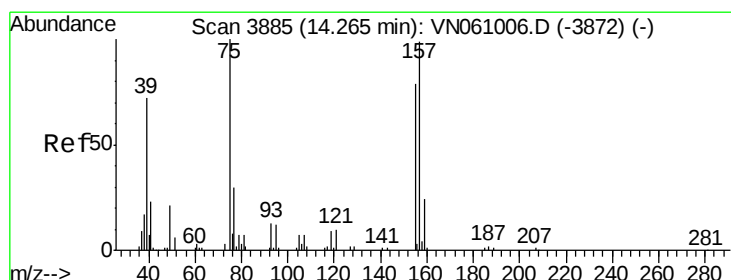
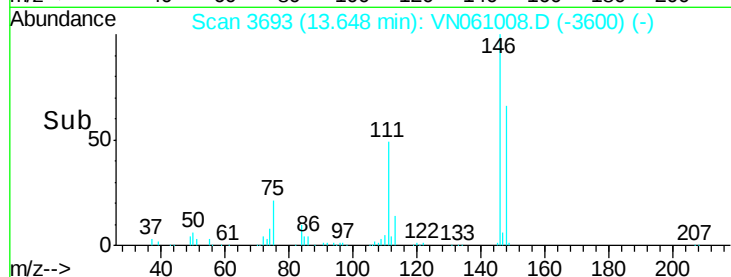
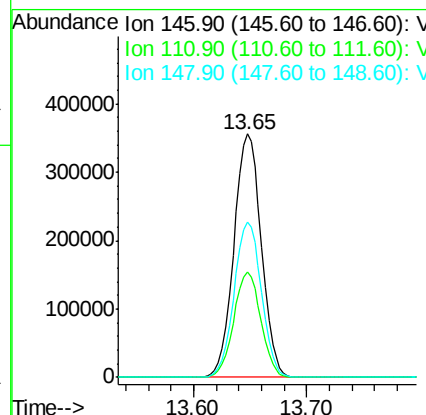
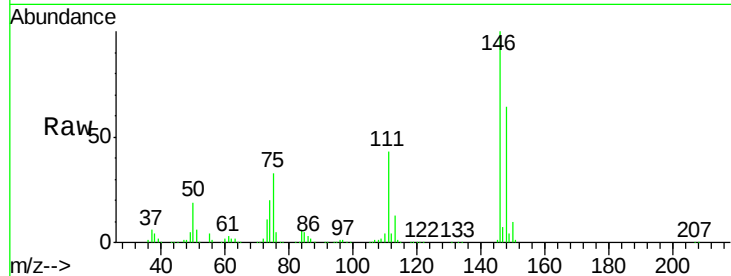
#91
 1,2-Dichlorobenzene
 Concen: 151.821 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN061008.D
 Acq: 16 Apr 2020 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.3	64.0
148	63.7	32.0	96.0

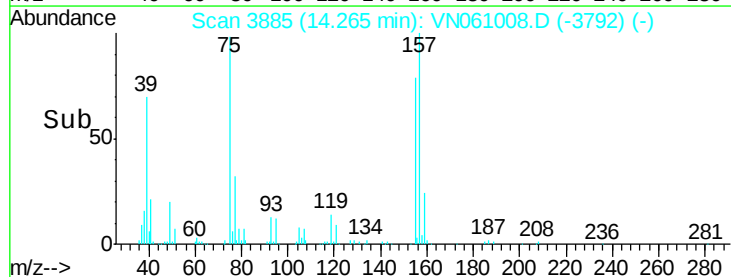
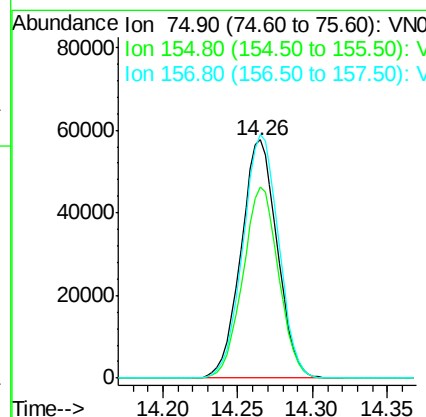
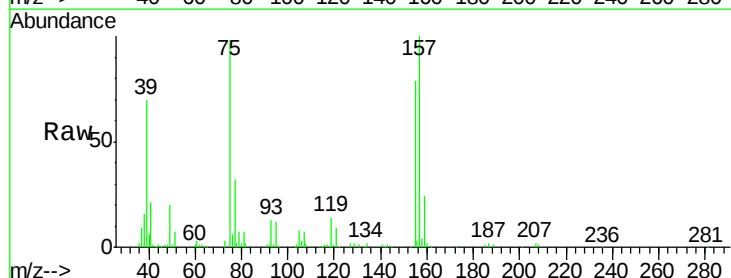
Manual Integrations
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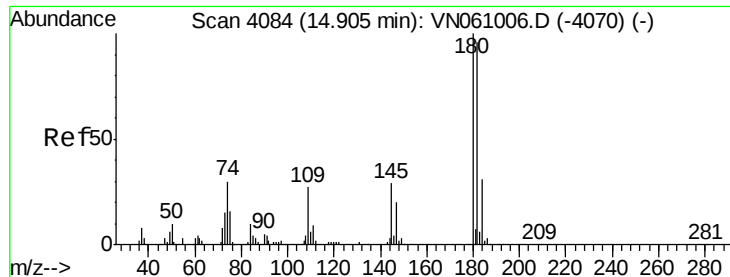
MMDadoda
 4/17/2020 11:53:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 146.577 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN061008.D
 Acq: 16 Apr 2020 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	39.5	118.5
157	101.2	50.1	150.4





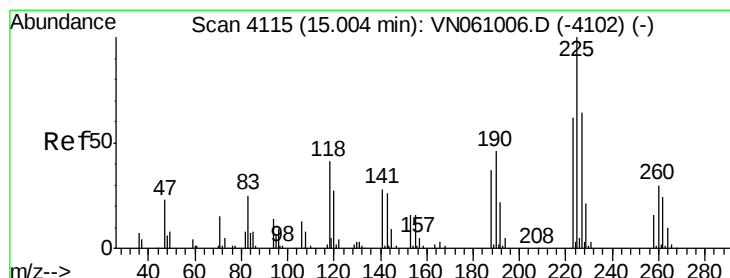
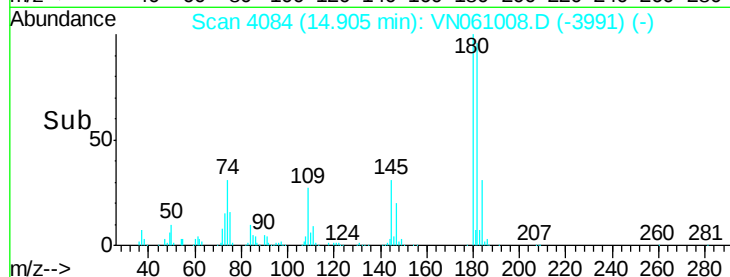
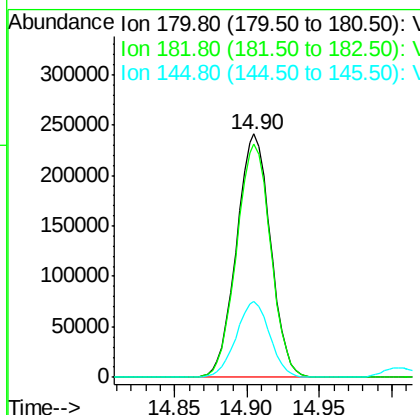
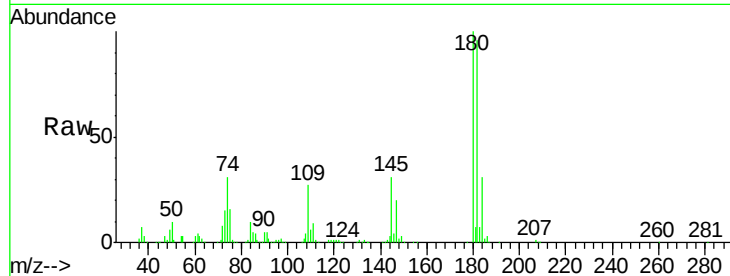
#93
 1,2,4-Trichlorobenzene
 Concen: 162.373 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061008.D
 Acq: 16 Apr 2020 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	392702		
182	96.2	47.8	143.3	
145	30.9	15.3	45.8	

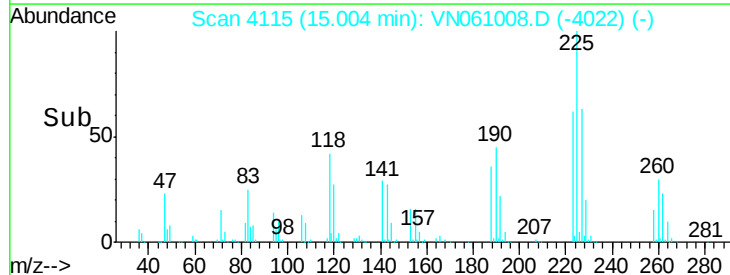
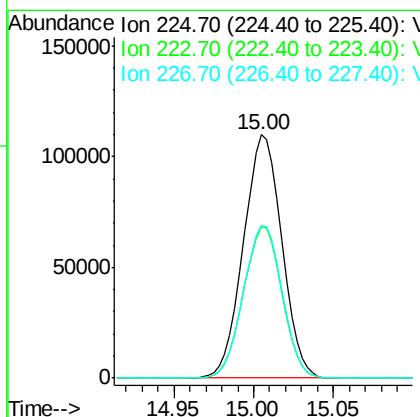
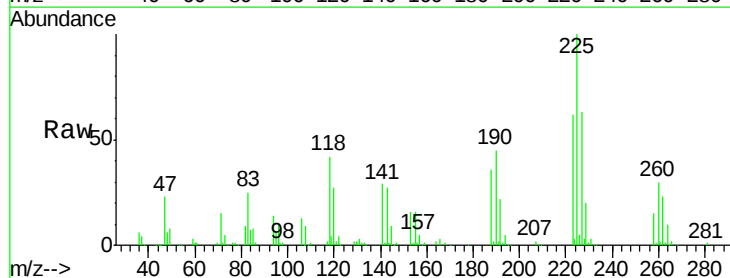
Manual Integrations
 APPROVED

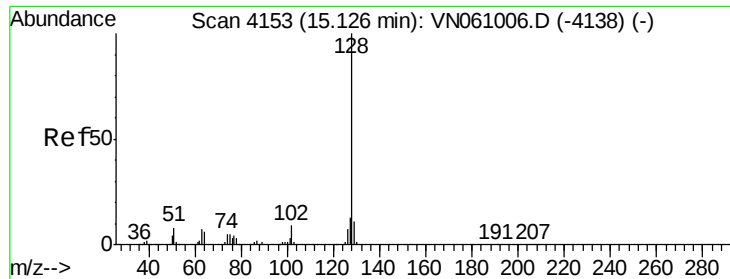
MMDadoda
 4/17/2020 11:53:16 AM



#94
 Hexachlorobutadiene
 Concen: 150.977 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN061008.D
 Acq: 16 Apr 2020 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	180500		
223	62.6	31.3	93.8	
227	63.4	31.9	95.5	





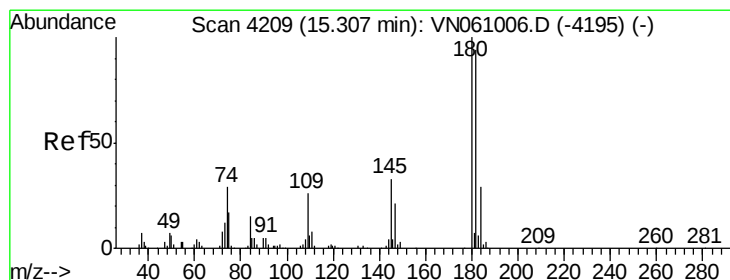
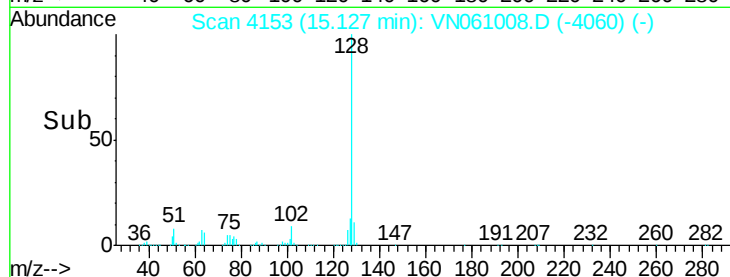
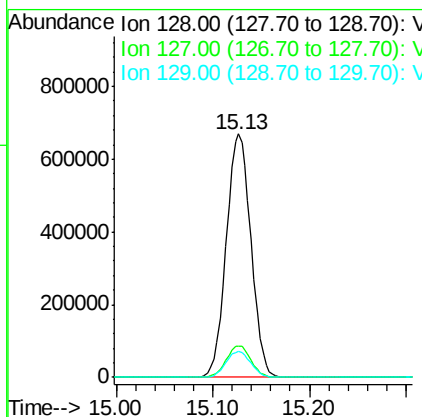
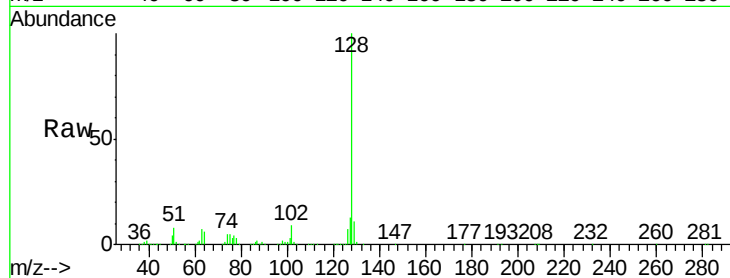
#95
Naphthalene
Concen: 163.041 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:53:16 AM



#96
1,2,3-Trichlorobenzene
Concen: 157.980 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN061008.D
Acq: 16 Apr 2020 13:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.8
145	32.9	16.4	49.2

