

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110518\
 Data File : VN052175.D
 Acq On : 6 Nov 2018 3:55
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 10:00:52 AM

Quant Time: Nov 06 06:44:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:32:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	352942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	625084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	571851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	263519	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	227603	54.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.78%	
35) Dibromofluoromethane	7.59	113	202785	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
50) Toluene-d8	10.09	98	790794	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.40	95	266605	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	156368	50.807	ug/l	97
3) Chloromethane	2.06	50	216222	52.051	ug/l	98
4) Vinyl Chloride	2.19	62	210498	52.907	ug/l	98
5) Bromomethane	2.57	94	139859	47.021	ug/l	96
6) Chloroethane	2.71	64	133212	52.365	ug/l	98
7) Trichlorofluoromethane	3.02	101	293227	50.737	ug/l	99
8) Diethyl Ether	3.41	74	105114	52.060	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	169090	48.961	ug/l	98
10) Methyl Iodide	3.96	142	246252	50.503	ug/l	99
11) Tert butyl alcohol	4.78	59	55283	303.861	ug/l	96
12) 1,1-Dichloroethene	3.74	96	164732	50.665	ug/l	99
13) Acrolein	3.61	56	46965	255.800	ug/l	98
14) Allyl chloride	4.33	41	268228	49.428	ug/l	93
15) Acrylonitrile	4.99	53	345069	289.714	ug/l	98
16) Acetone	3.82	43	226929	239.327	ug/l	95
17) Carbon Disulfide	4.06	76	466890	50.321	ug/l	98
18) Methyl Acetate	4.33	43	159156	52.820	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	493102	55.107	ug/l	95
20) Methylene Chloride	4.55	84	194740	49.429	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	182236	50.554	ug/l	97
22) Diisopropyl ether	5.95	45	648540	54.479	ug/l	98
23) Vinyl Acetate	5.90	43	2264114	287.735	ug/l	100
24) 1,1-Dichloroethane	5.85	63	357472	52.854	ug/l	99
25) 2-Butanone	6.84	43	395445	268.955	ug/l	100
26) 2,2-Dichloropropane	6.83	77	217685	41.125	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	218205	53.197	ug/l	97
28) Bromochloromethane	7.20	49	171419	53.569	ug/l	99
29) Tetrahydrofuran	7.21	42	271910	298.896	ug/l	98
30) Chloroform	7.37	83	366915	54.443	ug/l	98
31) Cyclohexane	7.66	56	323073	51.845	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	311168	52.410	ug/l	98
36) 1,1-Dichloropropene	7.80	75	270856	48.982	ug/l	99
37) Ethyl Acetate	6.93	43	188475	55.338	ug/l	98
38) Carbon Tetrachloride	7.78	117	276870	50.081	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	323602	49.413	ug/l	98
40) Benzene	8.04	78	824091	50.696	ug/l	99
41) Methacrylonitrile	7.17	41	79978	42.098	ug/l #	86
42) 1,2-Dichloroethane	8.12	62	269662	51.603	ug/l	99
43) Isopropyl Acetate	8.17	43	345058	54.689	ug/l #	89
44) Trichloroethene	8.84	130	217246	50.478	ug/l	98
45) 1,2-Dichloropropane	9.12	63	222227	51.621	ug/l	98
46) Dibromomethane	9.21	93	137509	50.225	ug/l	97
47) Bromodichloromethane	9.40	83	283057	53.012	ug/l	99
48) Methyl methacrylate	9.20	41	167710	55.228	ug/l	98
49) 1,4-Dioxane	9.20	88	29662	1153.162	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	950844	285.258	ug/l	100
52) Toluene	10.16	92	512231	52.255	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	270012	51.548	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	317094	51.733	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	189614	54.864	ug/l	99
56) Ethyl methacrylate	10.43	69	246878	54.803	ug/l	99
57) 1,3-Dichloropropane	10.71	76	323629	53.154	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	698884	288.274	ug/l	100
59) 2-Hexanone	10.75	43	638880	275.335	ug/l	99
60) Dibromochloromethane	10.90	129	208000	52.922	ug/l	99
61) 1,2-Dibromoethane	11.01	107	195299	55.668	ug/l	99
64) Tetrachloroethene	10.63	164	194832	52.589	ug/l	97
65) Chlorobenzene	11.43	112	585808	50.259	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	205468	52.491	ug/l	97
67) Ethyl Benzene	11.51	91	986108	50.937	ug/l	98
68) m/p-Xylenes	11.62	106	767999	102.812	ug/l	100
69) o-Xylene	11.95	106	376605	51.986	ug/l	99
70) Styrene	11.96	104	601859	52.481	ug/l	99
71) Bromoform	12.13	173	125710	48.267	ug/l #	100
73) Isopropylbenzene	12.25	105	982738	49.323	ug/l	99
74) N-amyl acetate	12.07	43	324036	54.805	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	228311	52.349	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	204245m	49.250	ug/l	
77) Bromobenzene	12.53	156	235407	49.546	ug/l	97
78) n-propylbenzene	12.59	91	1126680	49.479	ug/l	100
79) 2-Chlorotoluene	12.67	91	644151	48.240	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	789161	48.931	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59189	51.105	ug/l	98
82) 4-Chlorotoluene	12.77	91	658298	49.050	ug/l	100
83) tert-Butylbenzene	12.99	119	692582	48.633	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	795991	49.581	ug/l	99
85) sec-Butylbenzene	13.17	105	942235	48.931	ug/l	100
86) p-Isopropyltoluene	13.29	119	802736	49.527	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	414398	49.355	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	416297	49.604	ug/l	99
89) n-Butylbenzene	13.61	91	675754	48.150	ug/l	98
90) Hexachloroethane	13.87	117	140518	51.442	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	407990	51.777	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32686	56.775	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	171945	46.435	ug/l	100
94) Hexachlorobutadiene	15.01	225	85360	46.071	ug/l	99
95) Naphthalene	15.13	128	436212	54.057	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	161766	50.528	ug/l	98

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

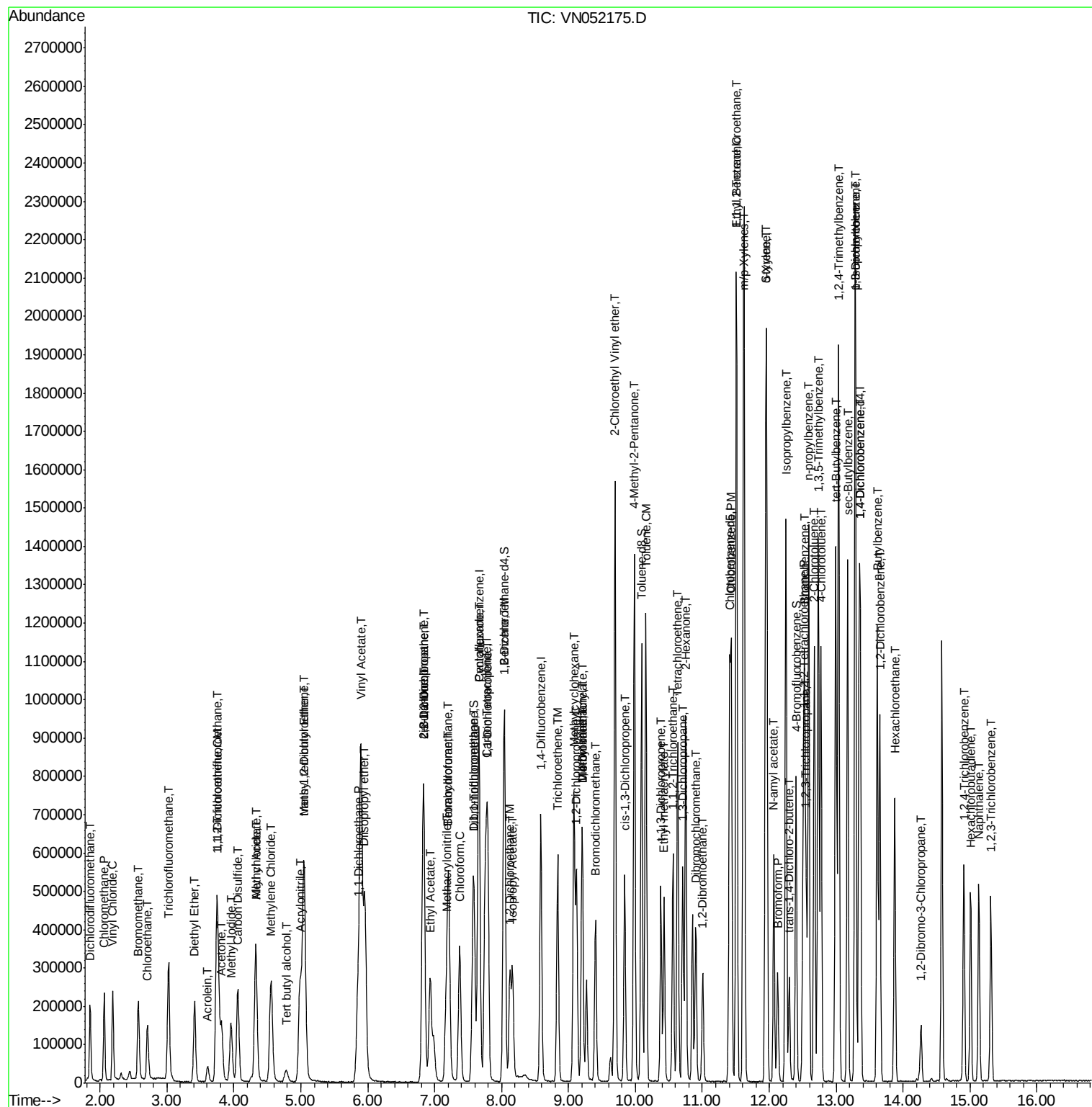
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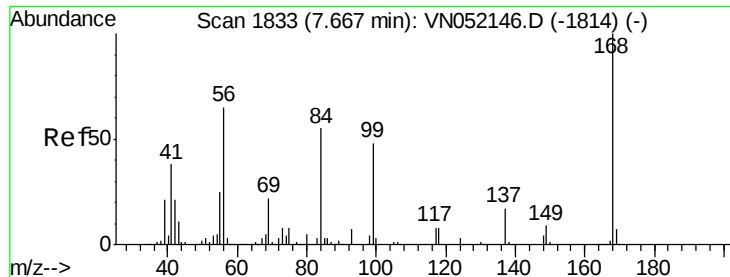
Instrument :
MSVOA_N
Client Sample Id :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 352942

Ion Ratio Lower Upper

168 100

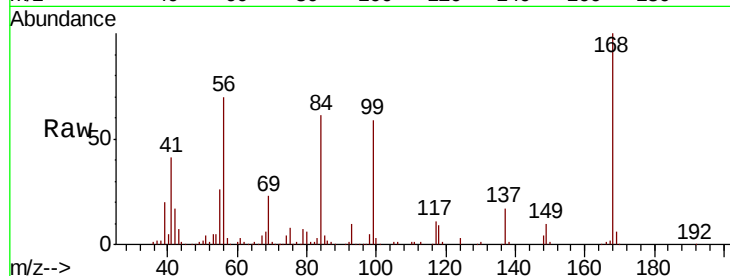
99 58.7 45.4 68.2

Manual Integrations

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11/6/2018 10:00:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

100000

50000

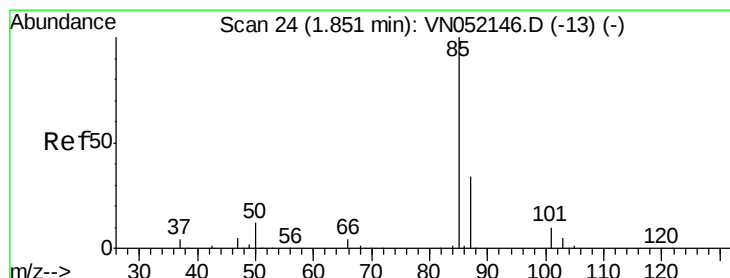
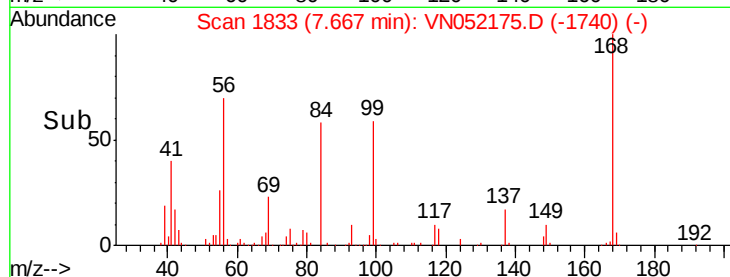
0

7.67

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.807 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052175.D

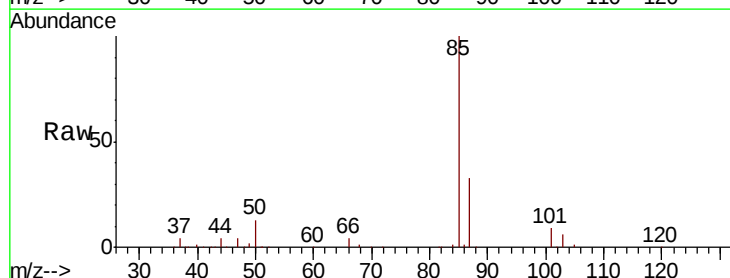
Acq: 6 Nov 2018 3:55

Tgt Ion: 85 Resp: 156368

Ion Ratio Lower Upper

85 100

87 32.6 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

120000

100000

80000

60000

40000

20000

0

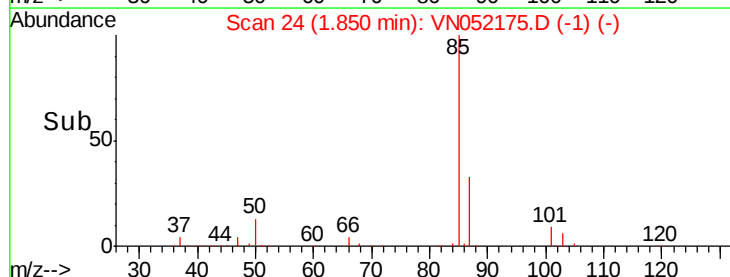
1.85

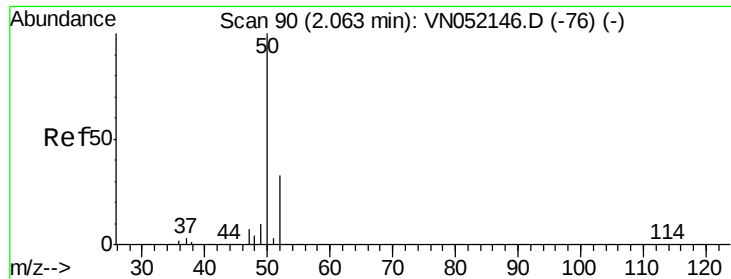
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 52.051 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 216222

Ion Ratio Lower Upper

50 100

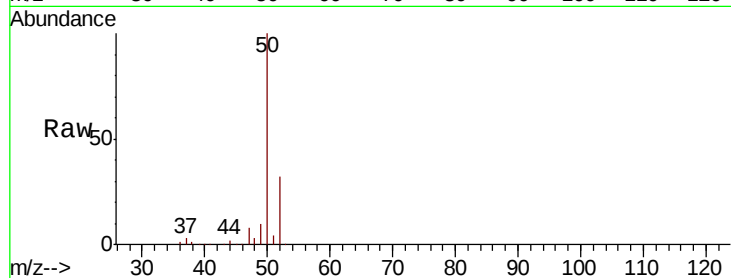
52 31.7 26.2 39.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

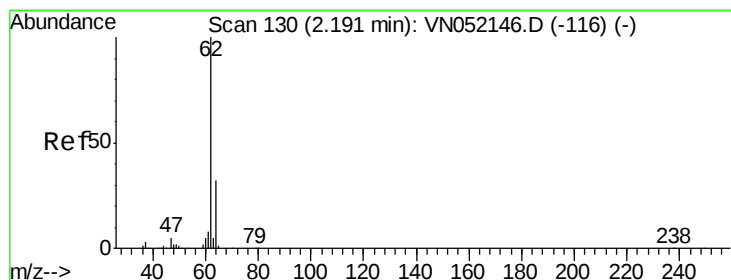
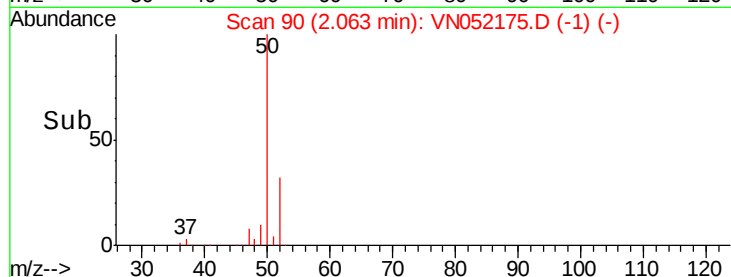
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 52.907 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052175.D

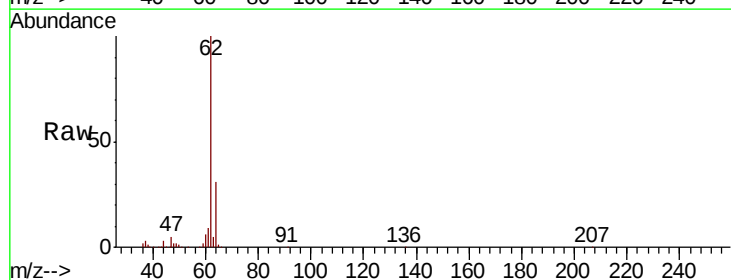
Acq: 6 Nov 2018 3:55

Tgt Ion: 62 Resp: 210498

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

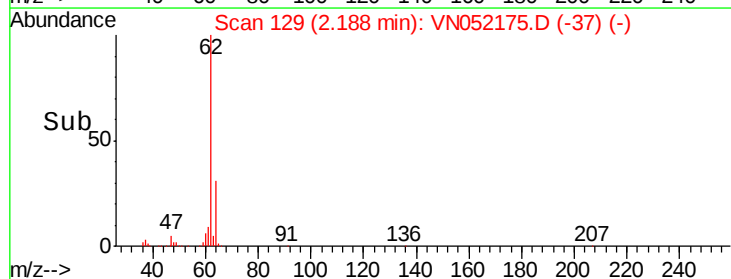
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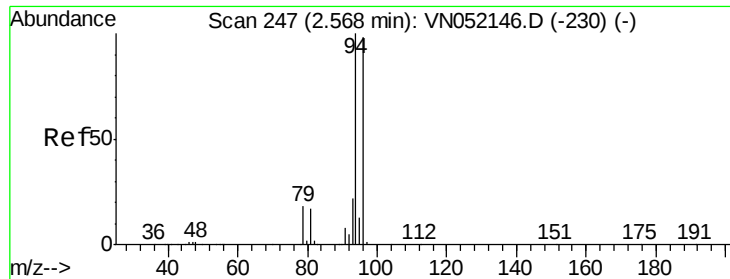
100000

50000

0

Time-->





#5

Bromomethane

Concen: 47.021 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 139859

Ion Ratio Lower Upper

94 100

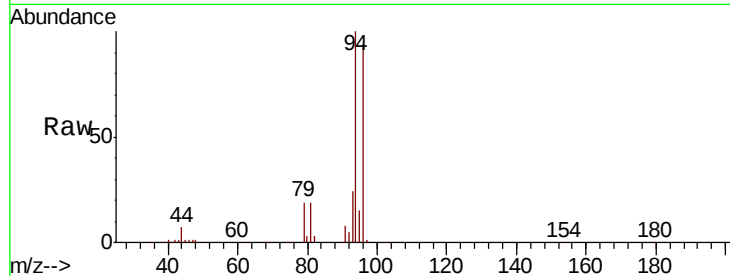
96 94.4 78.3 117.5

Manual Integrations

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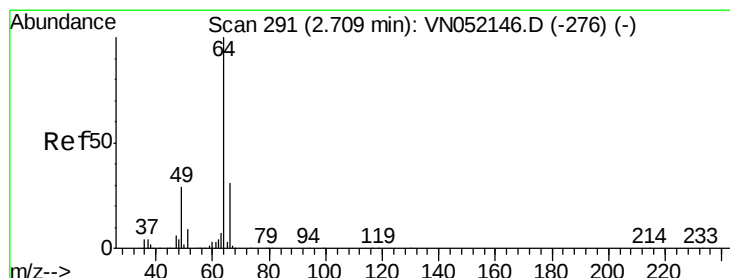
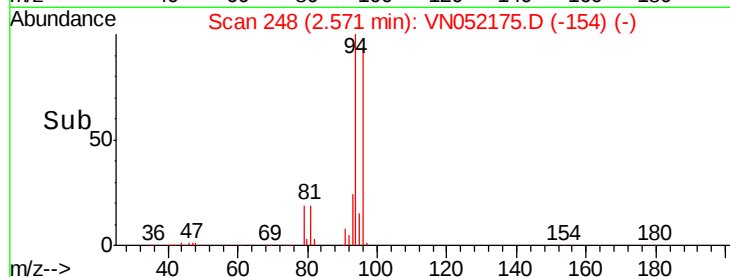
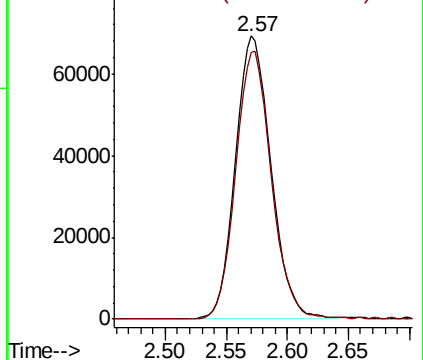
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11/6/2018 10:00:52 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 52.365 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052175.D

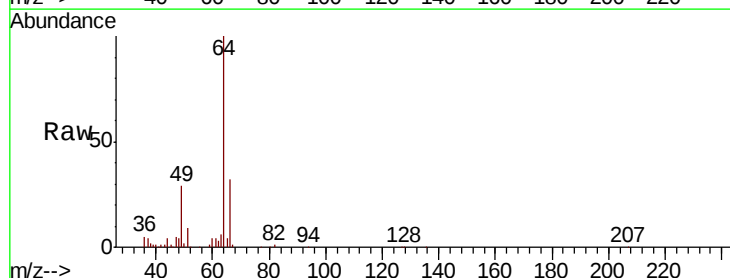
Acq: 6 Nov 2018 3:55

Tgt Ion: 64 Resp: 133212

Ion Ratio Lower Upper

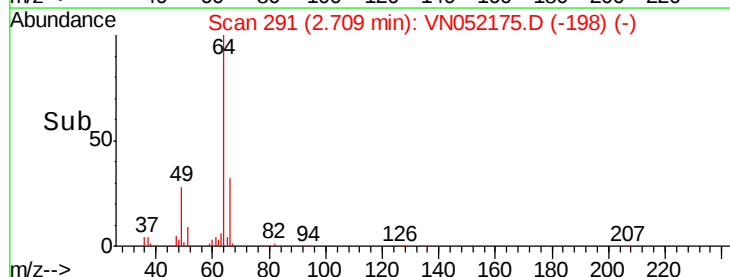
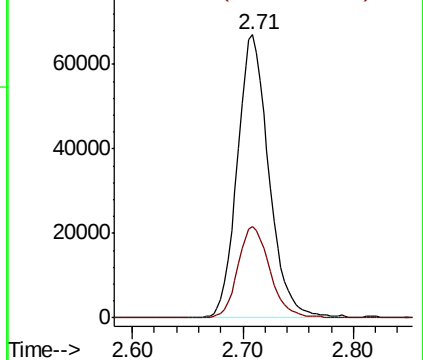
64 100

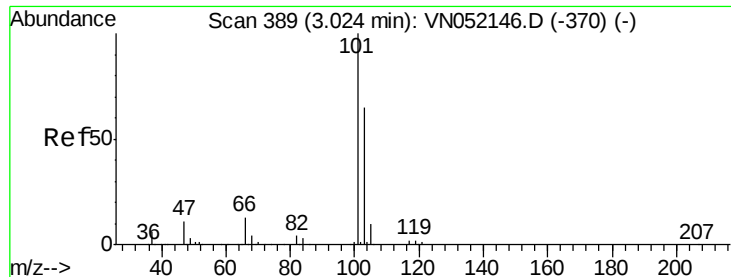
66 32.3 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

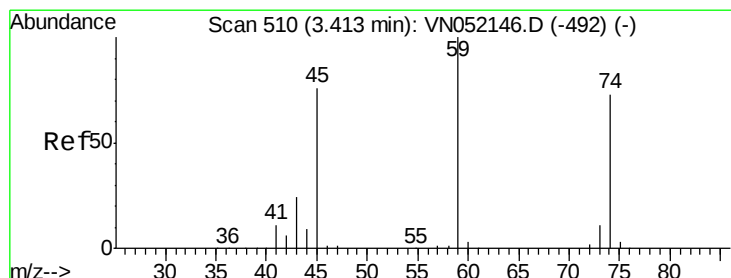
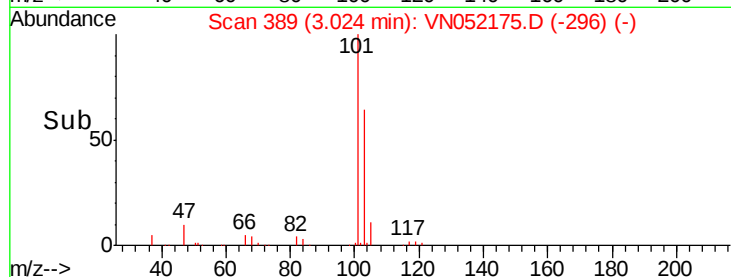
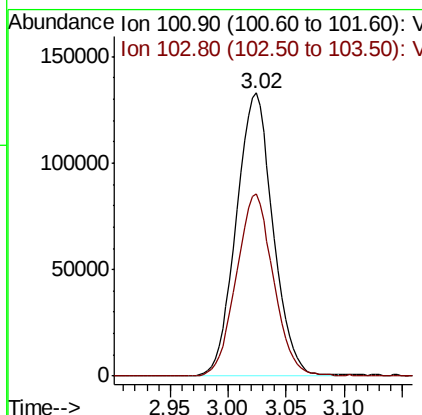
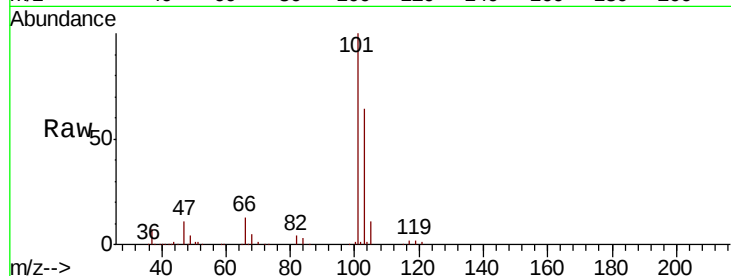
Trichlorofluoromethane
Concen: 50.737 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.2	78.4

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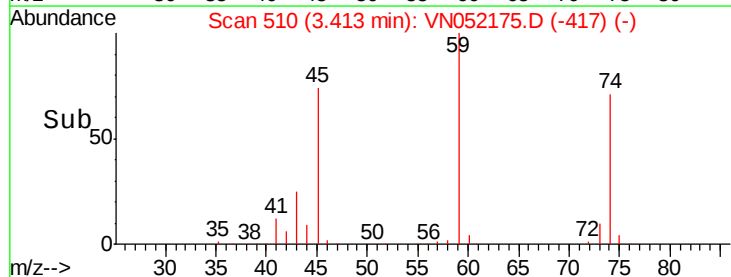
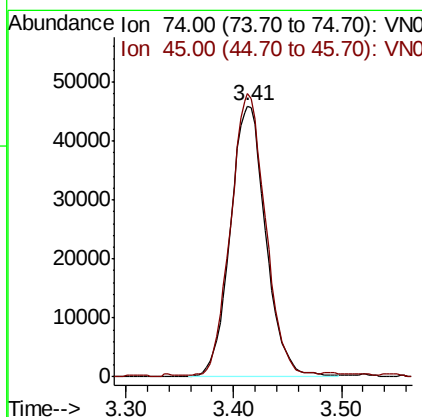
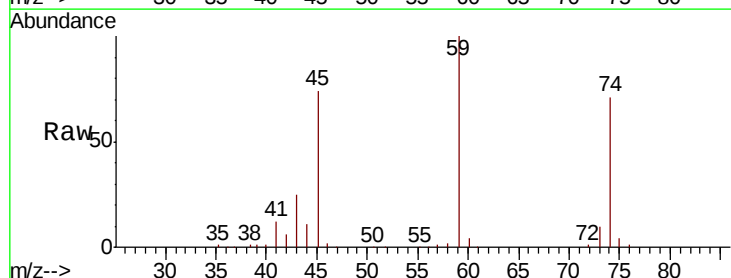
MMDadoda
11/6/2018 10:00:52 AM

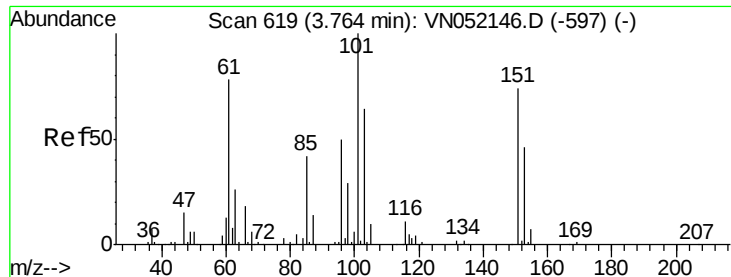


#8

Diethyl Ether
Concen: 52.060 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	49.1	147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.961 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

Instrument :

MSVOA_N

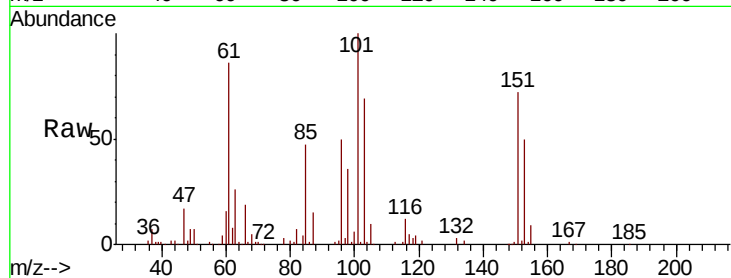
ClientSampleId :

VSTDCCC050EC

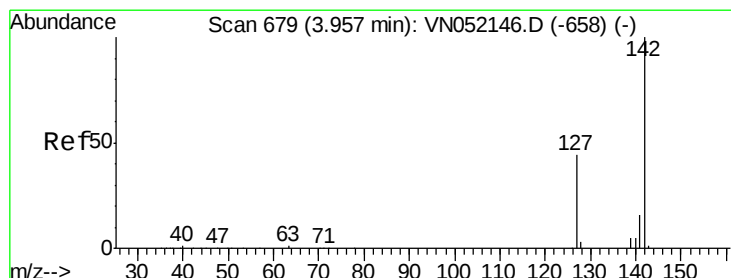
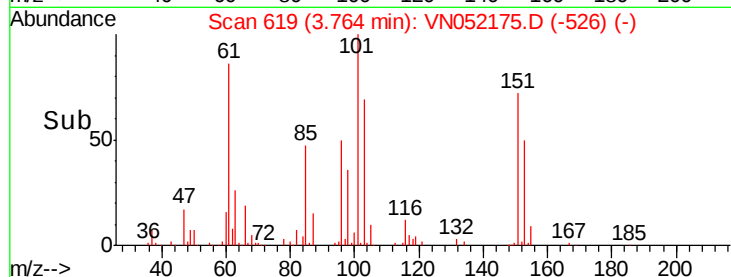
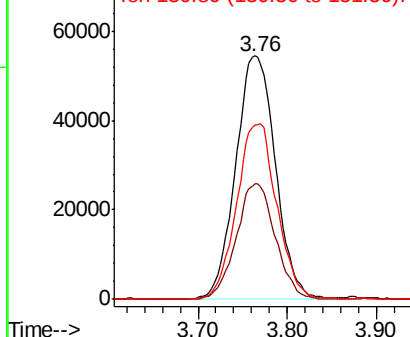
Tot Ion:	101	Resp:	169090
Ion Ratio	Lower	Upper	
101	100		
85	46.5	36.1	54.1
151	72.7	59.7	89.5

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MMDadoda
11/6/2018 10:00:52 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.503 ug/l

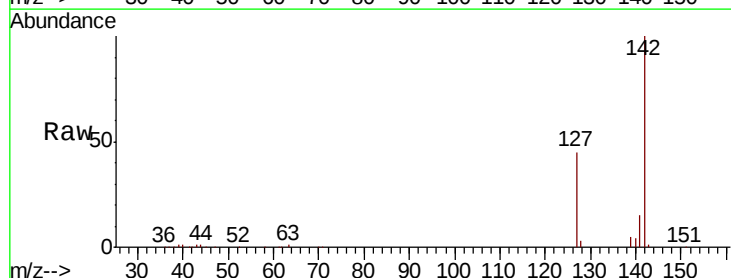
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

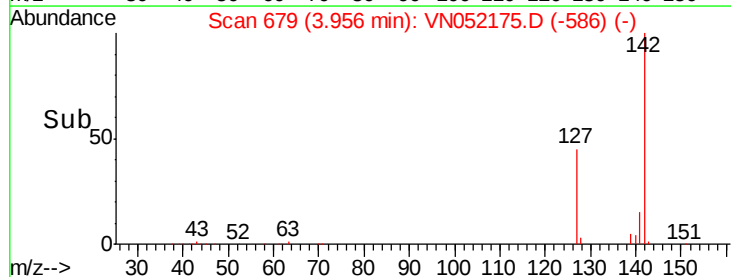
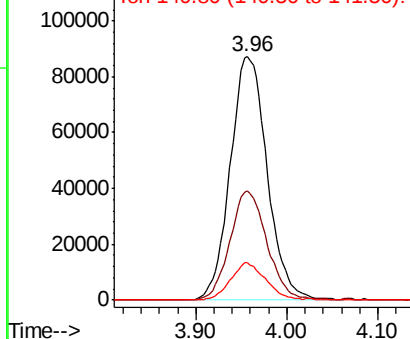
Lab File: VN052175.D

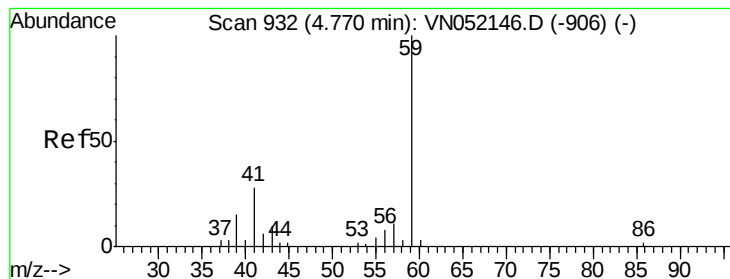
Acq: 6 Nov 2018 3:55

Tgt Ion:	142	Resp:	246252
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.0	54.0
141	14.5	11.8	17.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

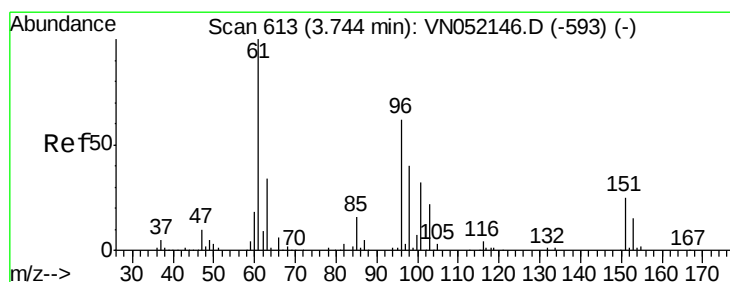
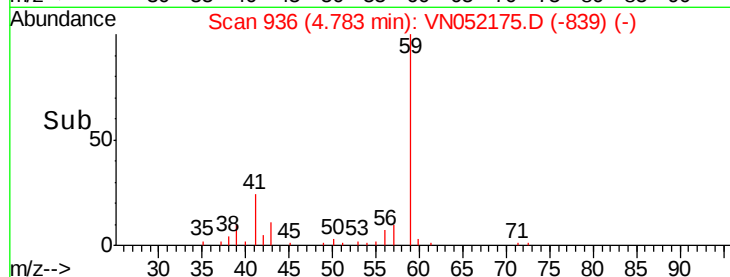
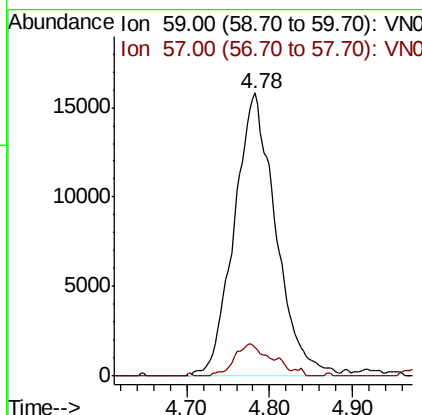
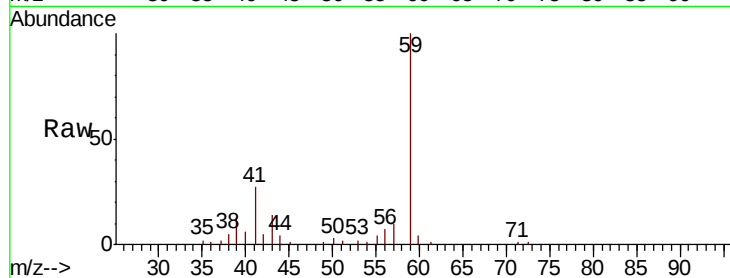
Tert butyl alcohol
 Concen: 303.861 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.5	5.7	8.5

Manual Integrations
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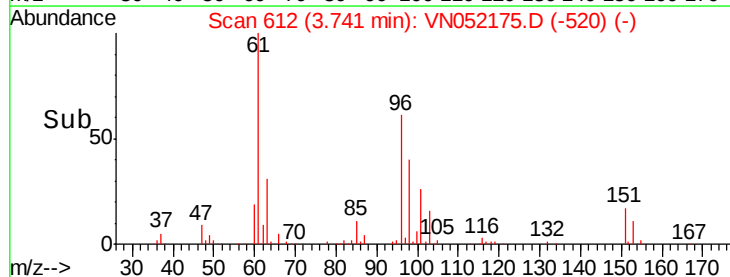
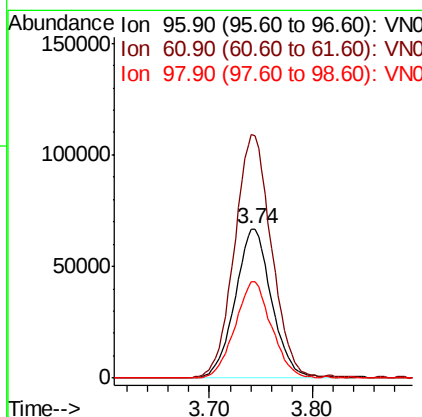
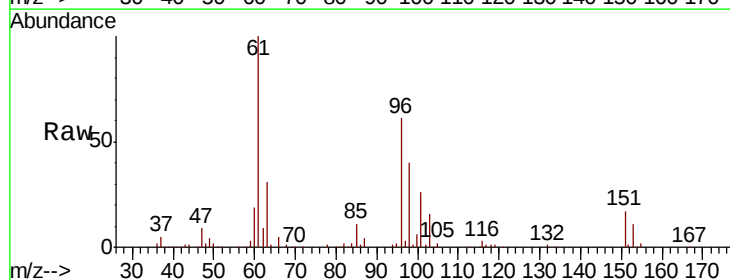
MMDadoda
 11/6/2018 10:00:52 AM

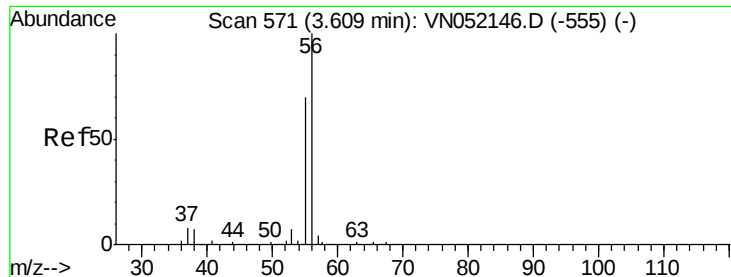


#12

1,1-Dichloroethene
 Concen: 50.665 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.6	128.4	192.6
98	64.5	50.9	76.3





#13

Acrolein

Concen: 255.800 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 46965

Ion Ratio Lower Upper

56 100

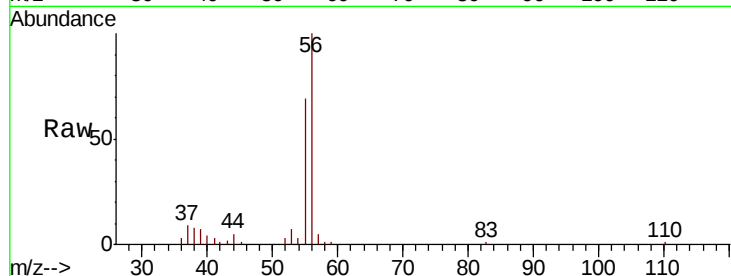
55 72.7 56.6 84.8

Manual Integrations

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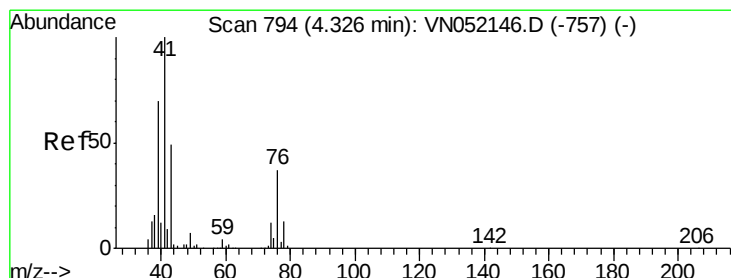
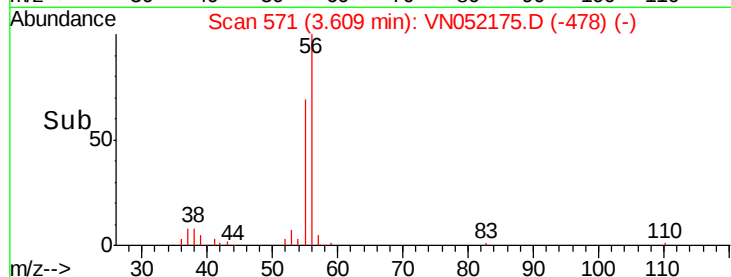
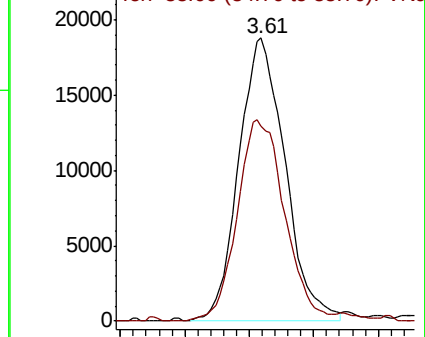
MMDadoda

11/6/2018 10:00:52 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.428 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

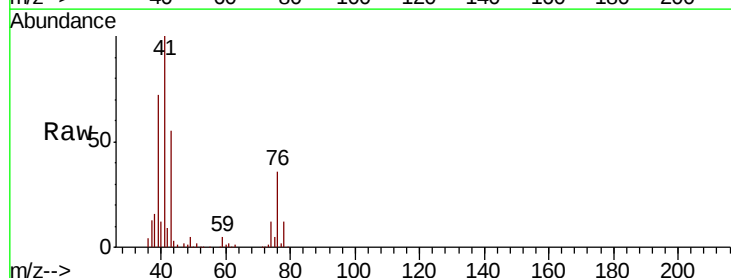
Tgt Ion: 41 Resp: 268228

Ion Ratio Lower Upper

41 100

39 75.9 55.3 82.9

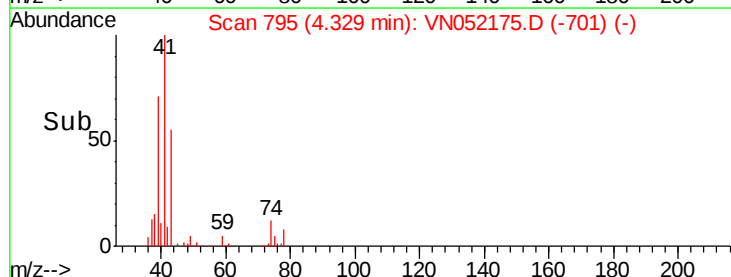
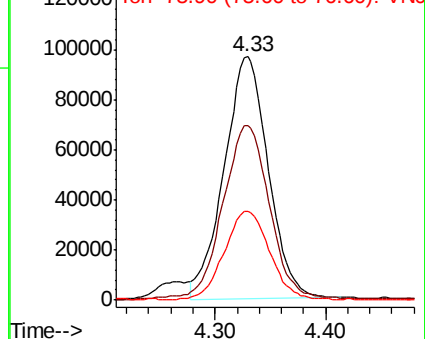
76 37.9 27.8 41.8

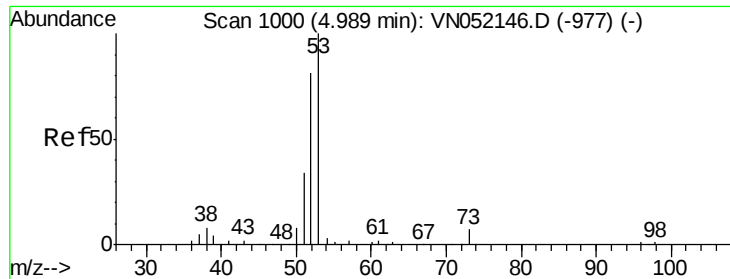


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





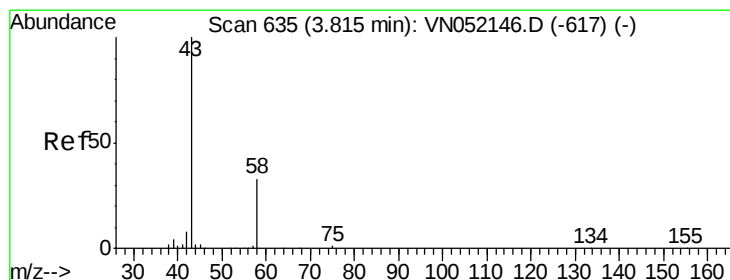
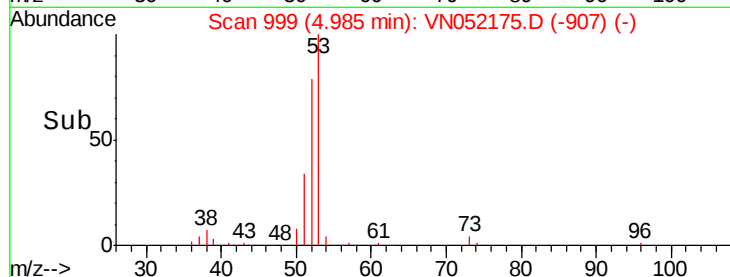
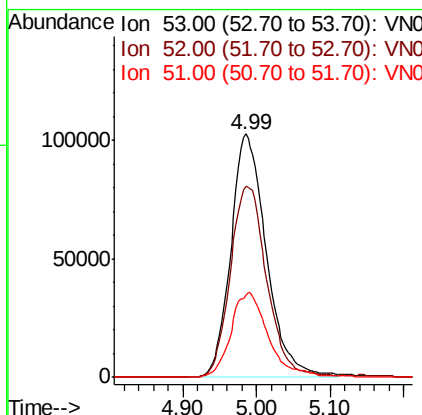
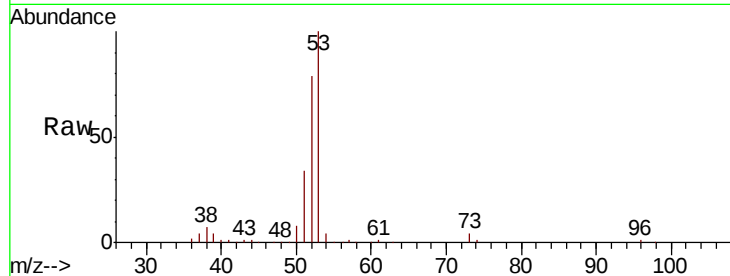
#15
 Acrylonitrile
 Concen: 289.714 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.5	99.7
51	36.6	29.2	43.8

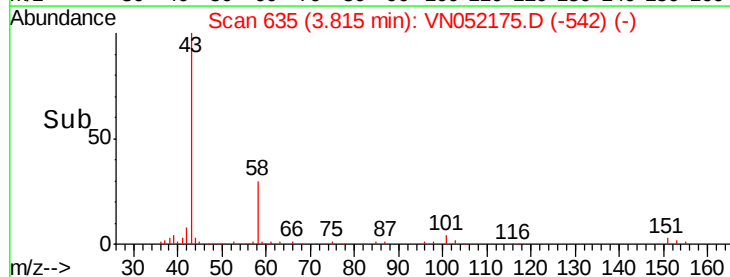
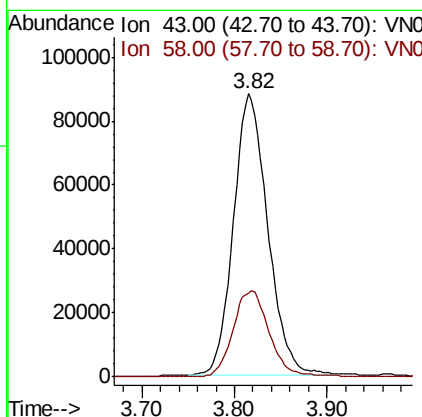
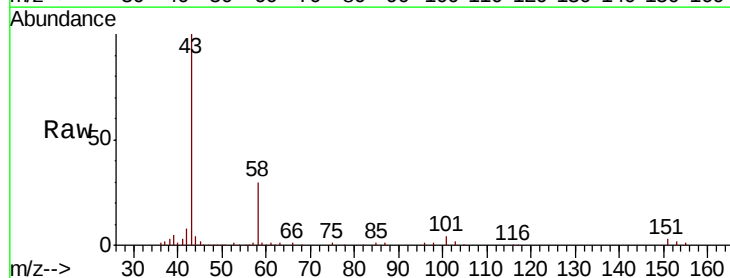
Manual Integrations
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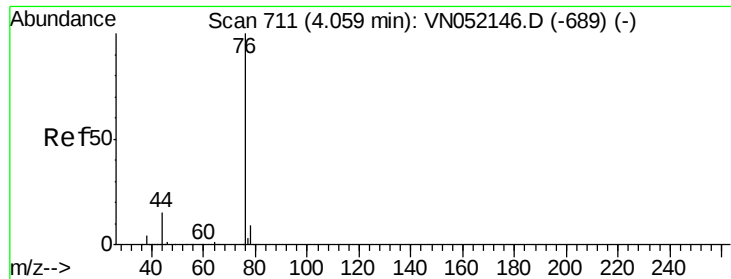
MMDadoda
 11/6/2018 10:00:52 AM



#16
 Acetone
 Concen: 239.327 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.9	26.2	39.2





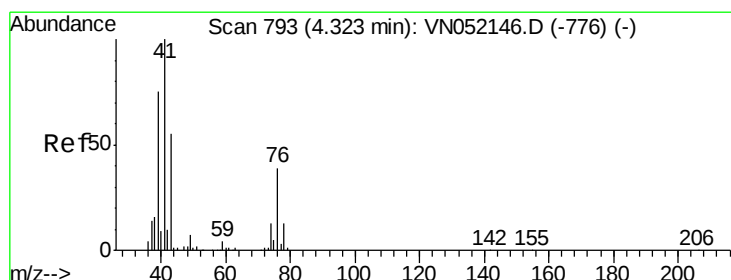
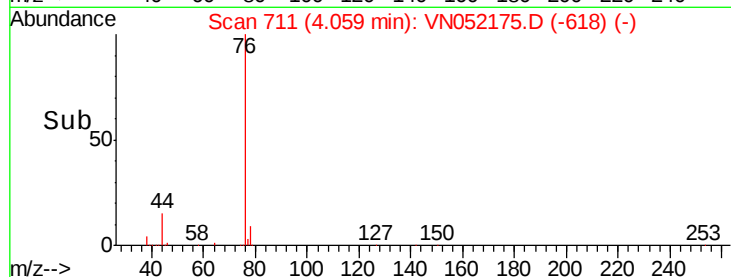
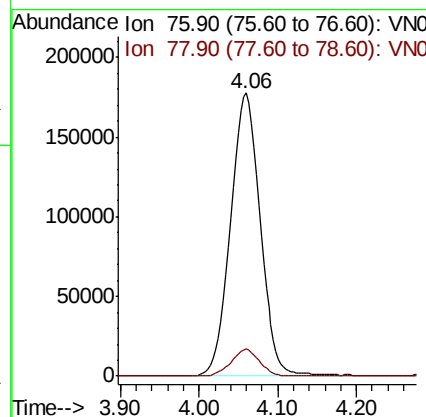
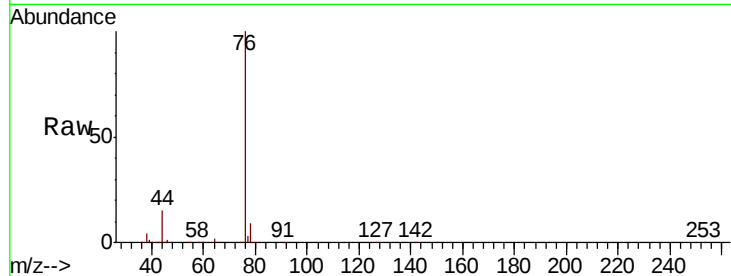
#17
Carbon Disulfide
Concen: 50.321 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.6

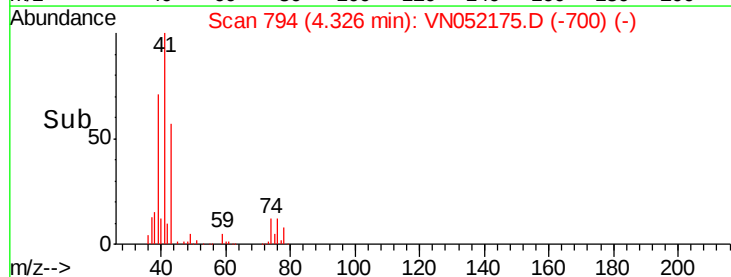
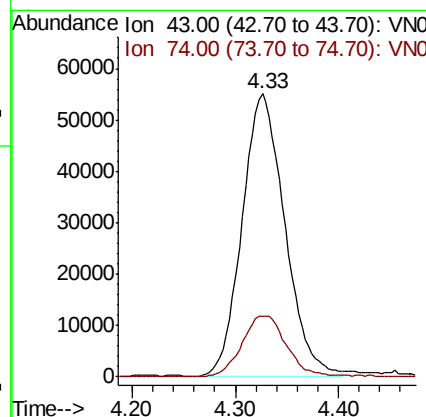
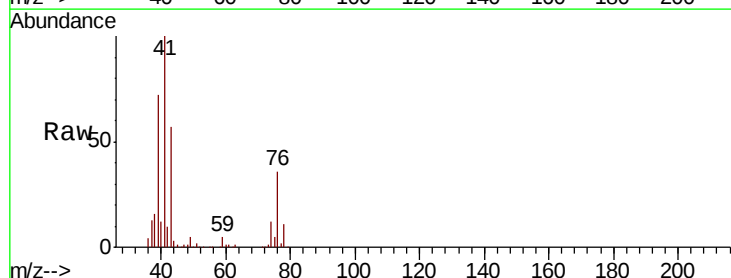
Manual Integrations
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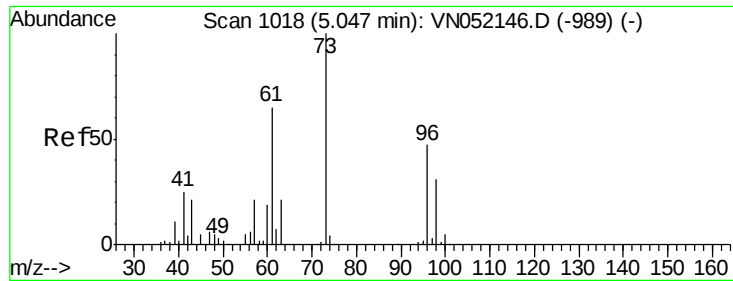
MMDadoda
11/6/2018 10:00:52 AM



#18
Methyl Acetate
Concen: 52.820 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	19.3	28.9





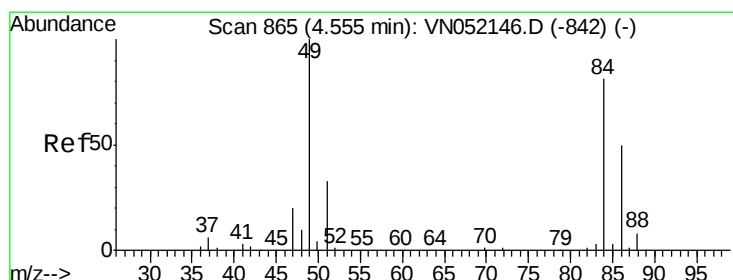
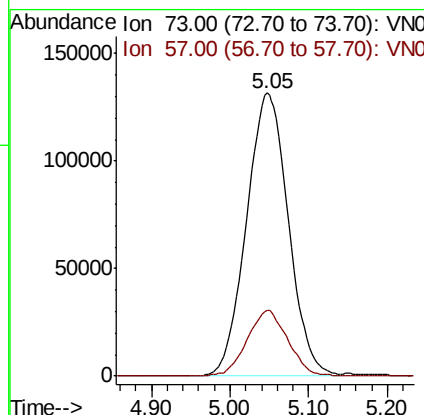
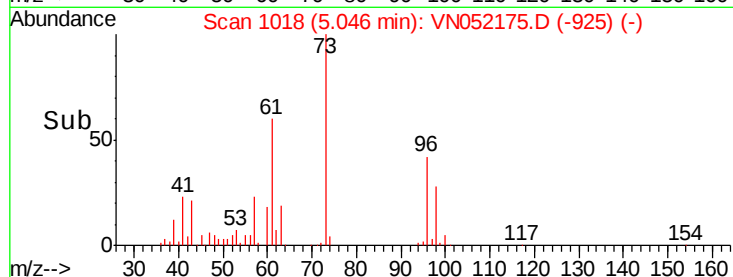
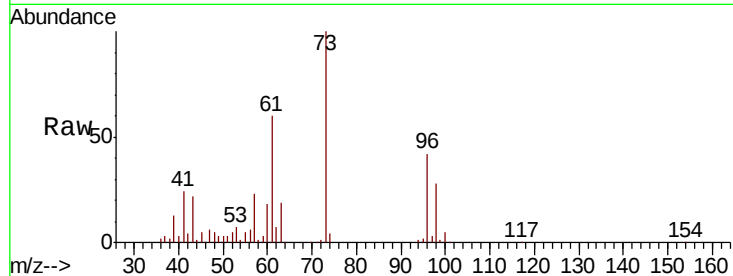
#19
Methvl tert-butvl Ether
Concen: 55.107 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 493102
Ion Ratio Lower Upper
73 100
57 23.2 16.8 25.2

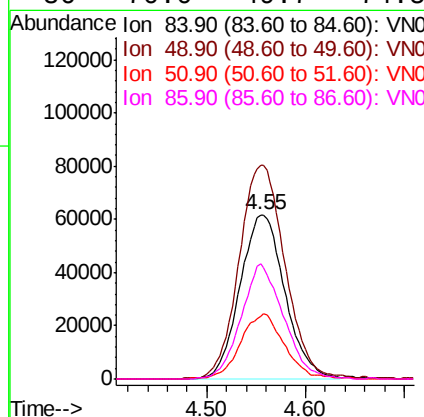
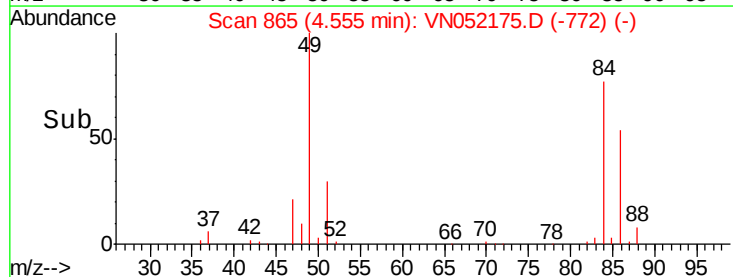
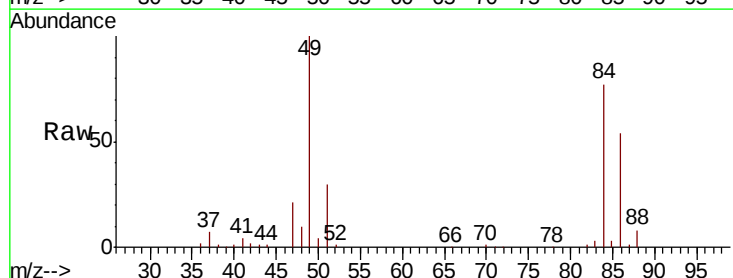
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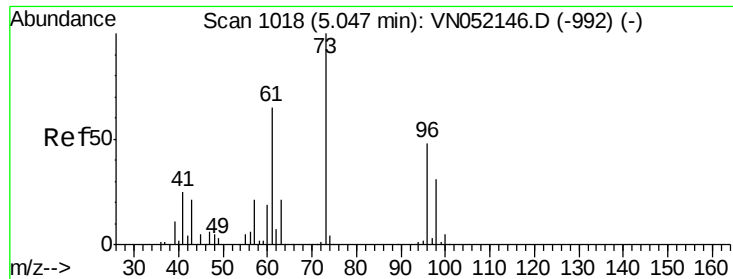
MMDadoda
11/6/2018 10:00:52 AM



#20
Methylene Chloride
Concen: 49.429 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion: 84 Resp: 194740
Ion Ratio Lower Upper
84 100
49 129.5 98.4 147.6
51 38.1 32.5 48.7
86 70.0 49.7 74.5





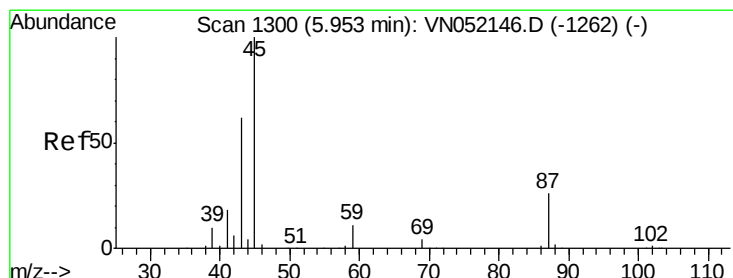
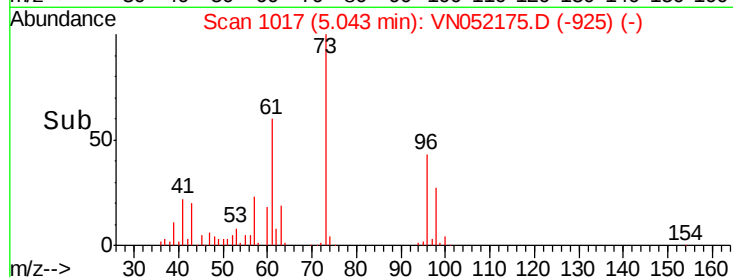
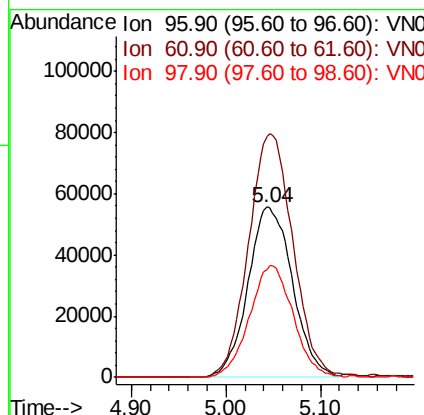
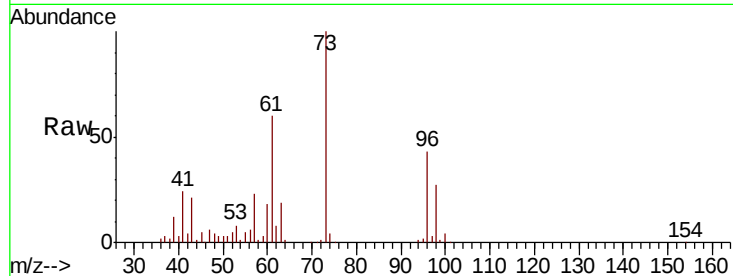
#21
trans-1,2-Dichloroethene
Concen: 50.554 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.2	109.6	164.4
98	63.6	52.0	78.0

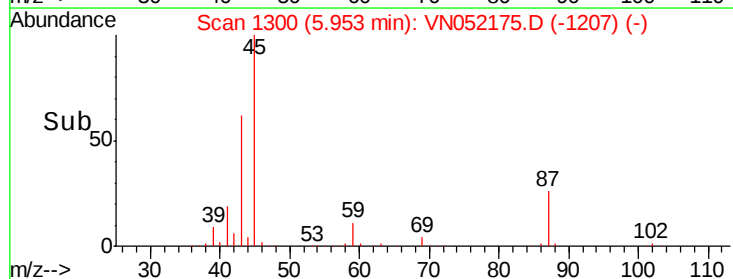
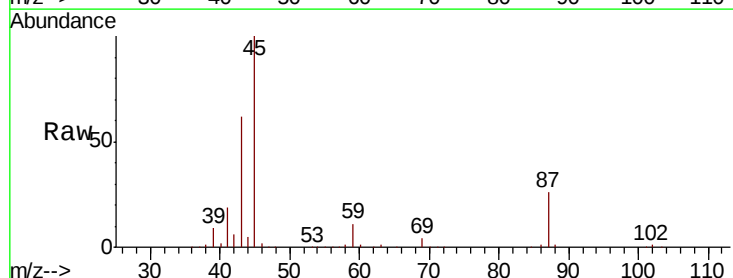
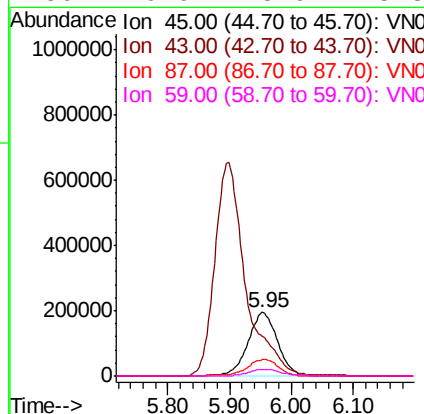
Manual Integrations
APPROVED

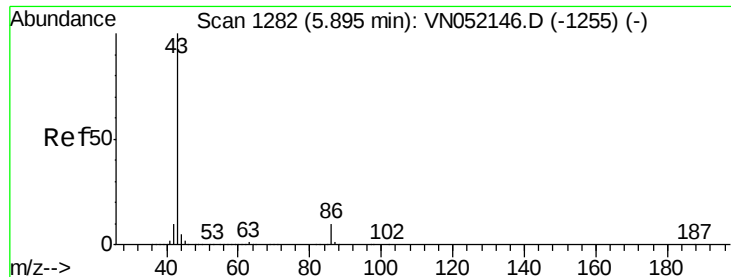
MMDadoda
11/6/2018 10:00:52 AM



#22
Diisopropyl ether
Concen: 54.479 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.4	49.8	74.6
87	25.4	21.1	31.7
59	10.9	8.9	13.3





#23

Vinyl Acetate

Concen: 287.735 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2264114

Ion Ratio Lower Upper

43 100

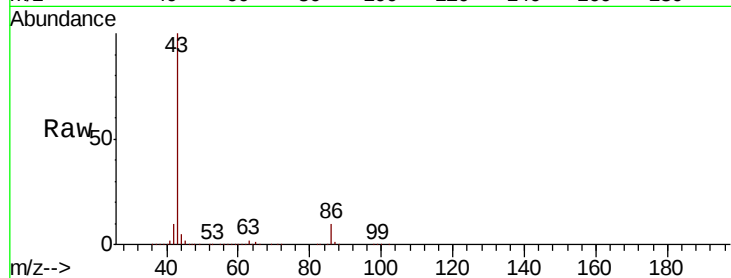
86 10.0 7.9 11.9

Manual Integrations

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MMDadoda

11/6/2018 10:00:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VN052146.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN052146.D (-1255) (-)

5.90

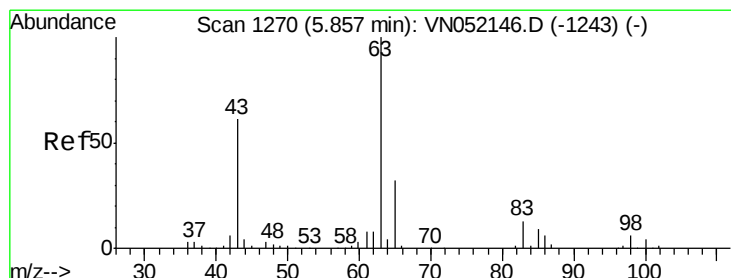
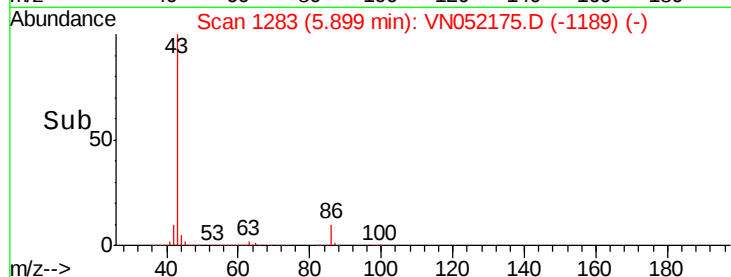
600000

400000

200000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 52.854 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

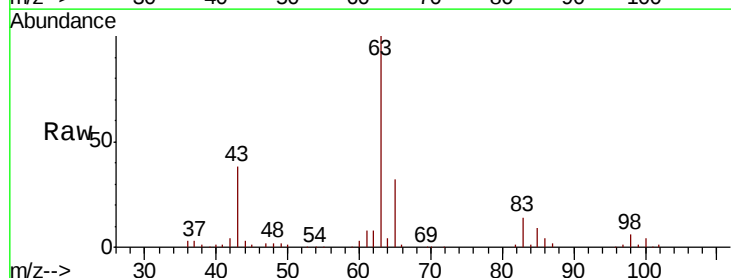
Tgt Ion: 63 Resp: 357472

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.4

100 4.4 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VN052146.D (-1243) (-)

Ion 97.90 (97.60 to 98.60): VN052146.D (-1243) (-)

Ion 99.90 (99.60 to 100.60): VN052146.D (-1243) (-)

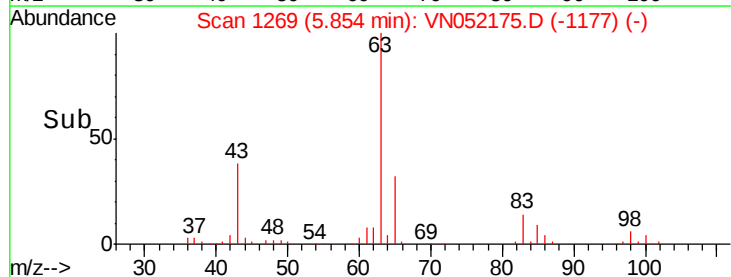
150000

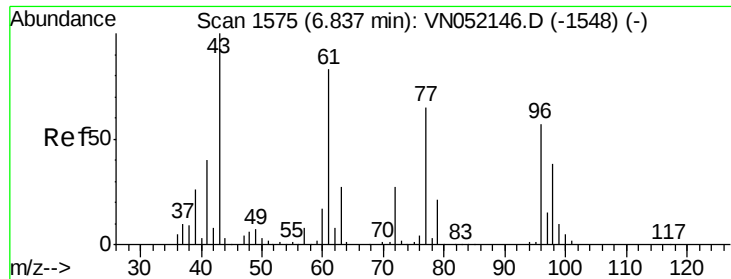
100000

50000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 268.955 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 395445

Ion Ratio Lower Upper

43 100

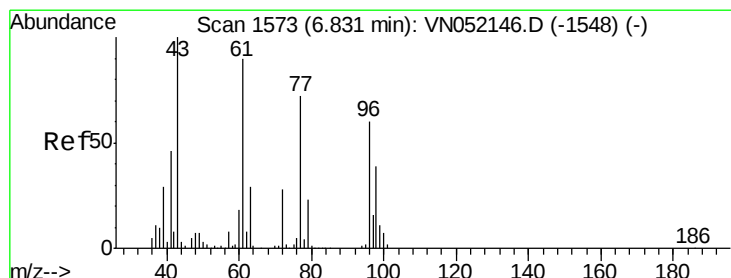
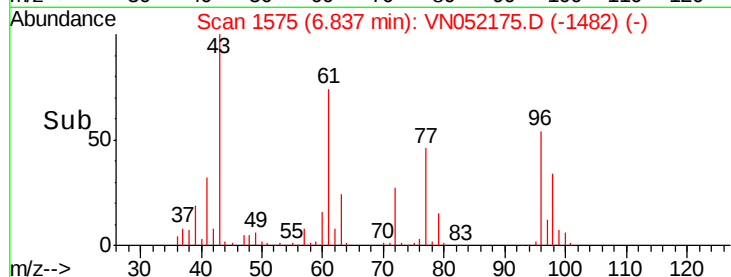
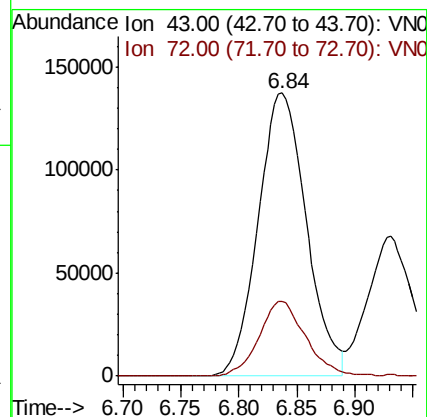
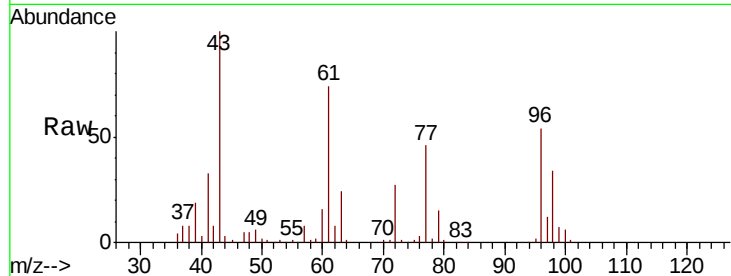
72 26.7 21.4 32.2

Manual Integrations

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11/6/2018 10:00:52 AM



#26

2,2-Dichloropropane

Concen: 41.125 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052175.D

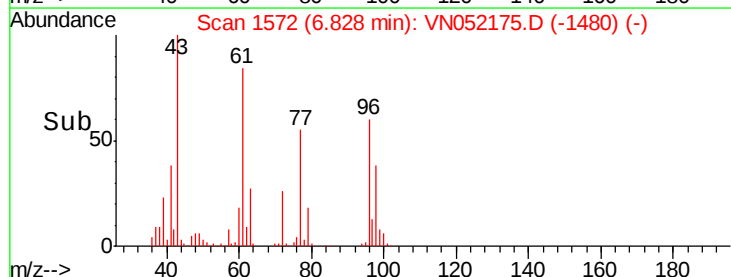
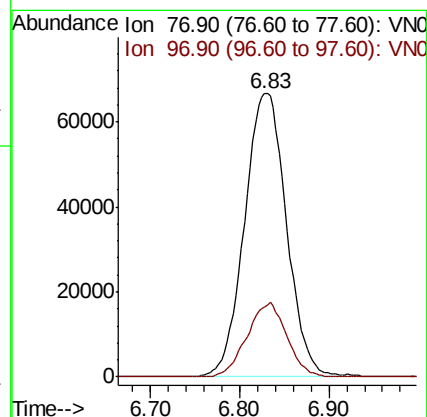
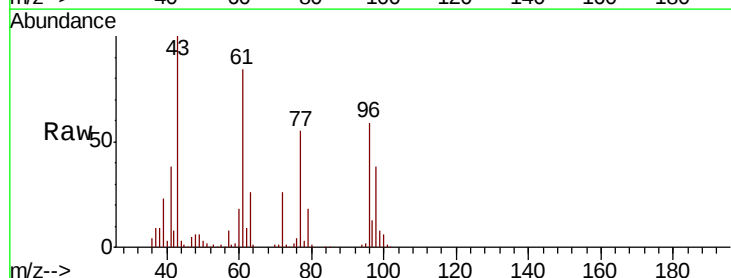
Acq: 6 Nov 2018 3:55

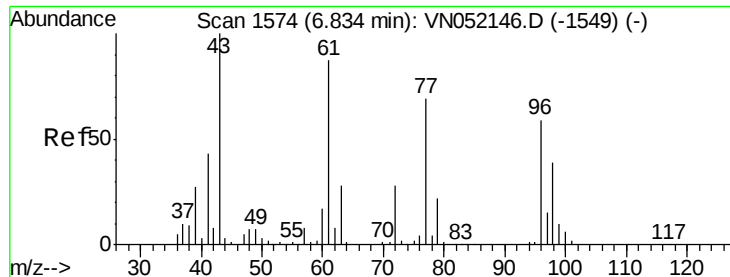
Tgt Ion: 77 Resp: 217685

Ion Ratio Lower Upper

77 100

97 24.8 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 53.197 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

Instrument :

MSVOA_N

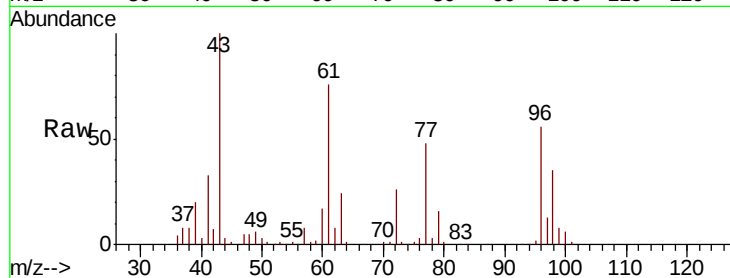
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	218205
Ion Ratio	Lower	Upper	
96	100		
61	141.0	0.0	291.8
98	64.1	0.0	130.0

Manual Integrations
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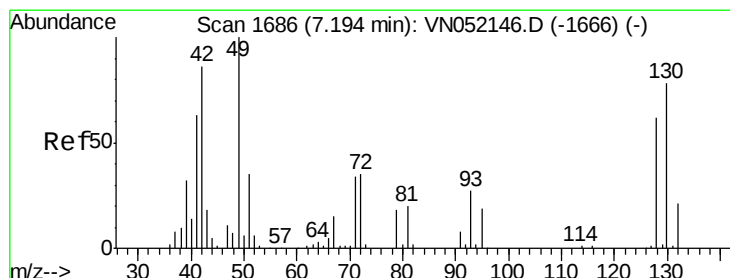
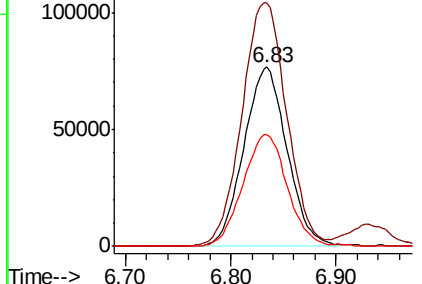
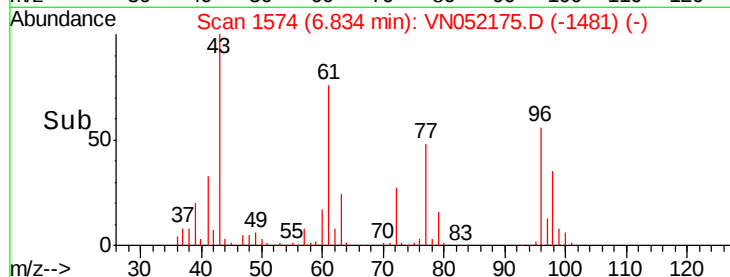


Abundance Ion 95.90 (95.60 to 96.60): VN052175.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN052175.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN052175.D (-1549) (-)

Time-->



#28

Bromochloromethane

Concen: 53.569 ug/l

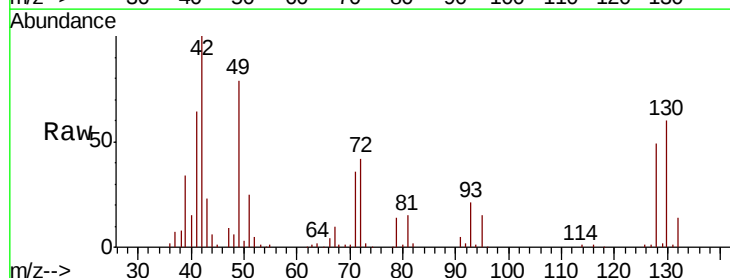
RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

Tgt Ion:	49	Resp:	171419
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.4
130	75.9	59.8	89.6

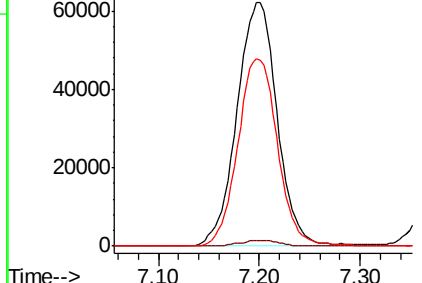
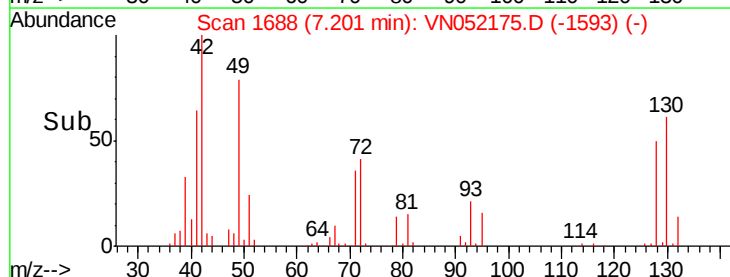


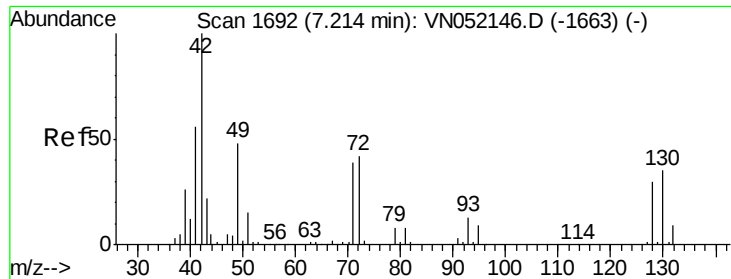
Abundance Ion 48.90 (48.60 to 49.60): VN052175.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN052175.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN052175.D (-1593) (-)

Time-->





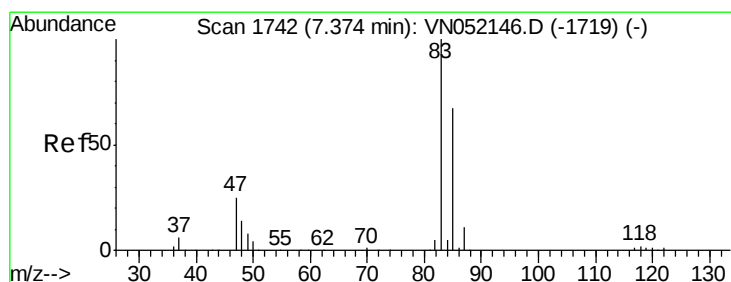
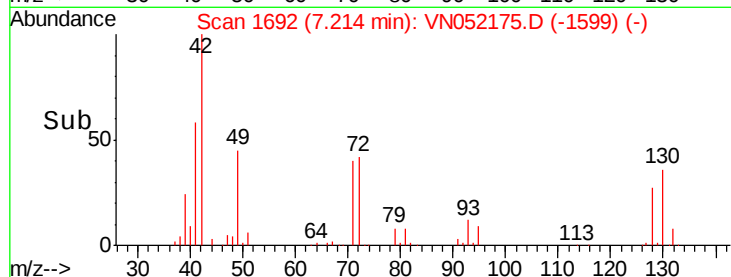
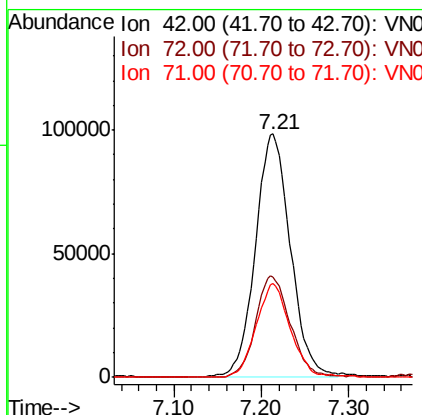
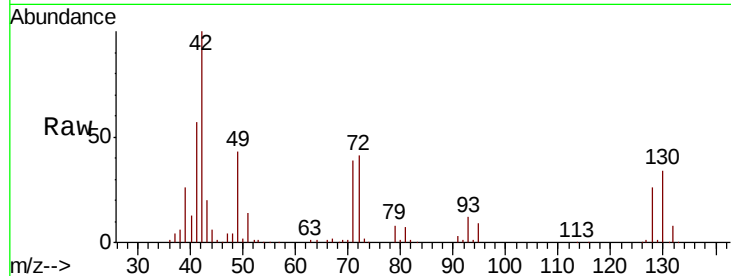
#29
Tetrahydrofuran
Concen: 298.896 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	32.3	48.5
71	37.7	31.0	46.6

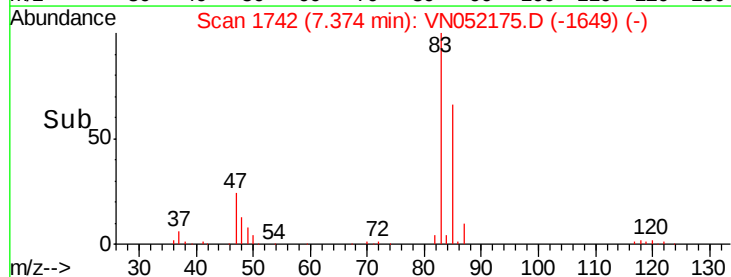
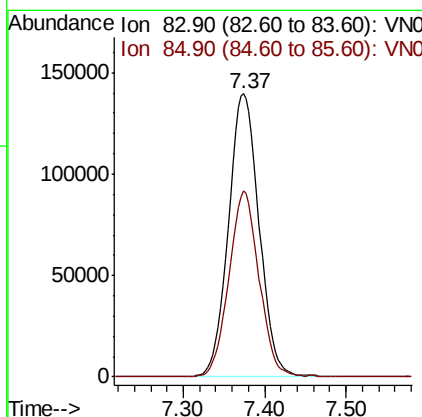
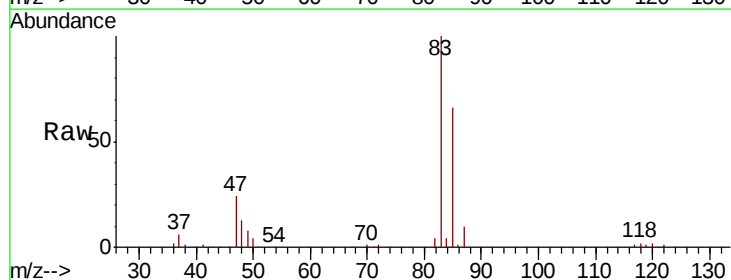
Manual Integrations
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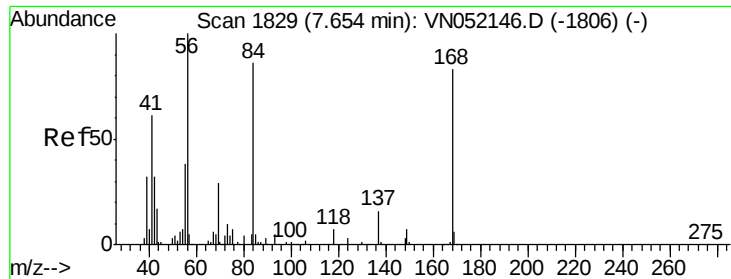
MMDadoda
11/6/2018 10:00:52 AM



#30
Chloroform
Concen: 54.443 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.7	80.5





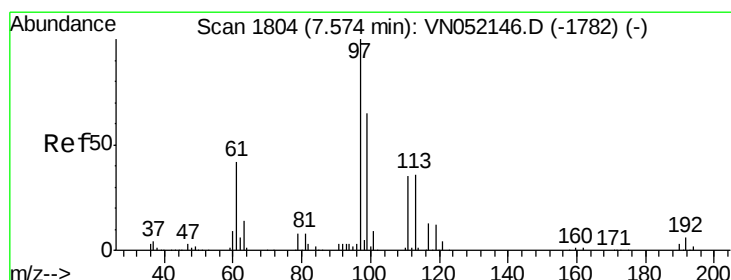
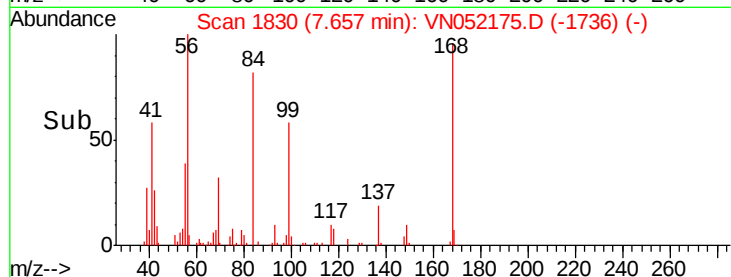
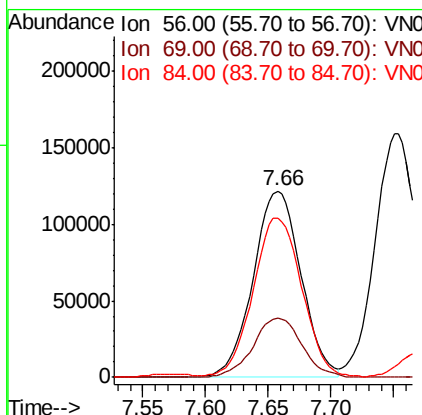
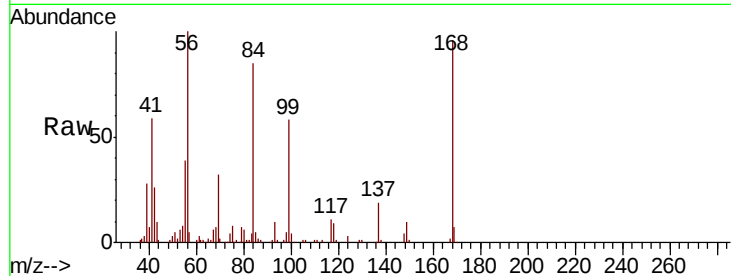
#31
Cyclohexane
Concen: 51.845 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	23.5	35.3
84	83.8	68.7	103.1

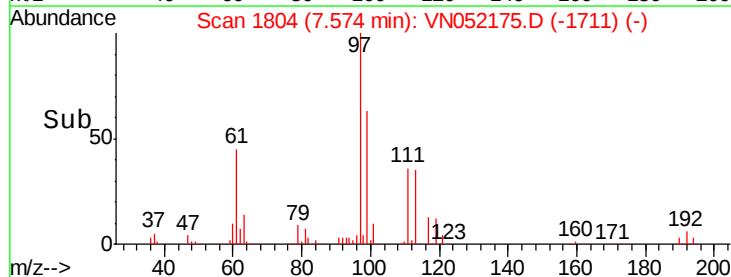
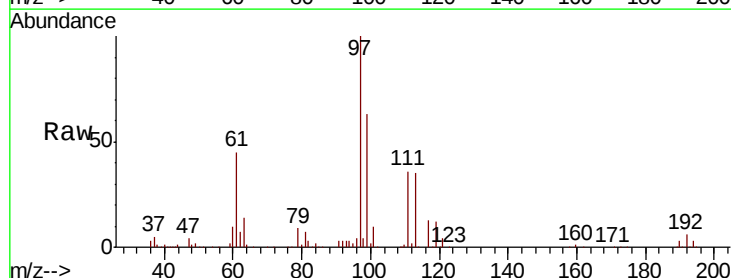
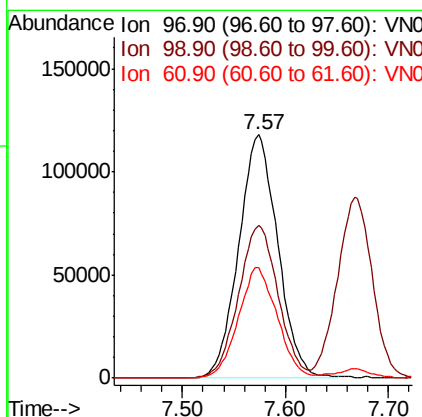
Manual Integrations
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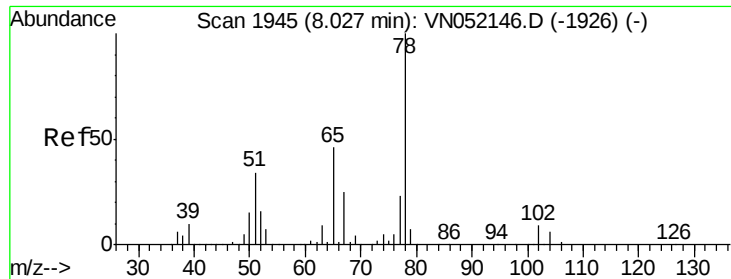
MMDadoda
11/6/2018 10:00:52 AM



#32
1,1,1-Trichloroethane
Concen: 52.410 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.6	77.4
61	45.3	35.1	52.7





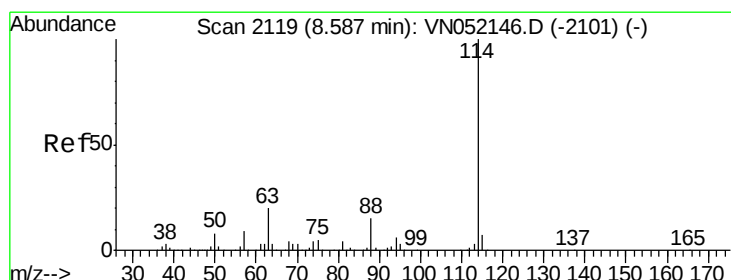
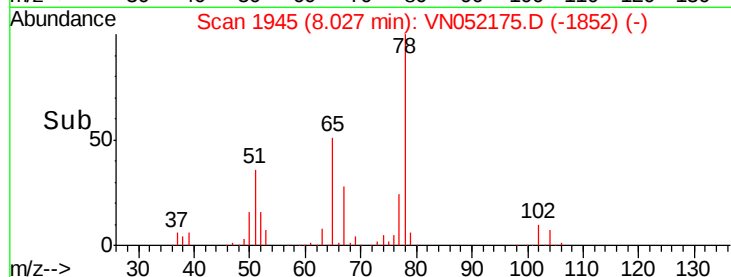
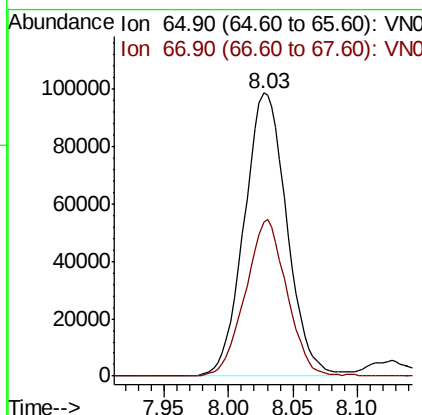
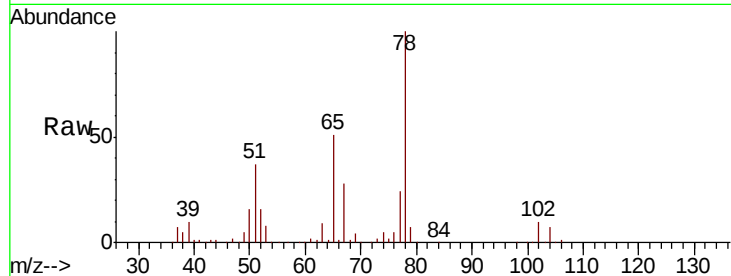
#33
 1,2-Dichloroethane-d4
 Concen: 52.410 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	227603		
67	53.7	0.0	107.6	

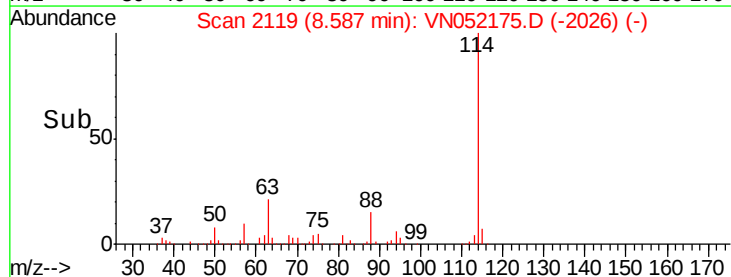
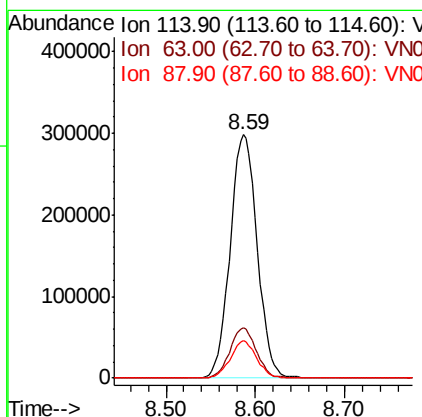
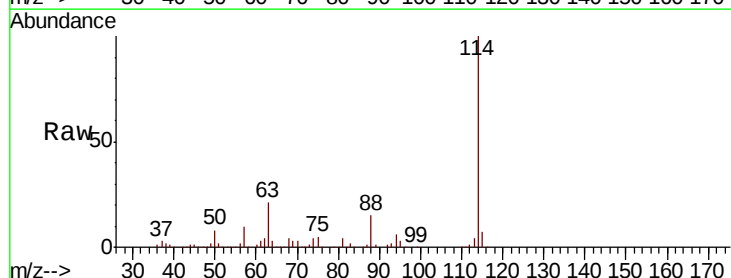
Manual Integrations
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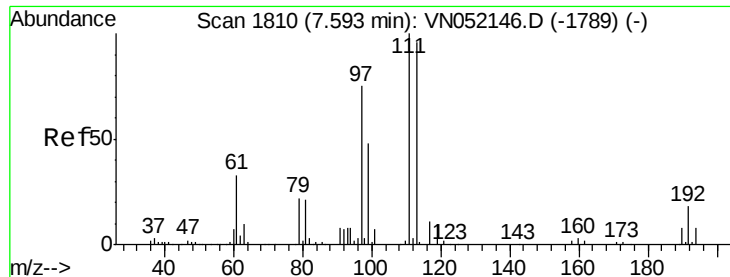
MMDadoda
 11/6/2018 10:00:52 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	625084		
63	20.6	0.0	40.0	
88	15.3	0.0	31.0	





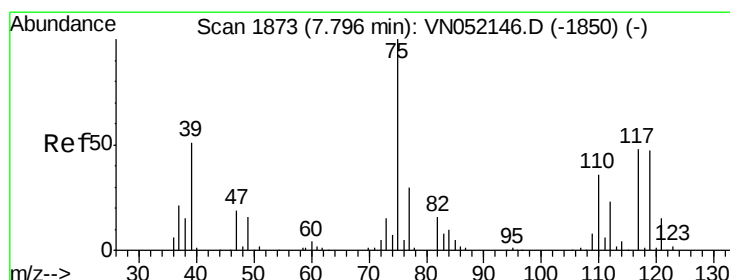
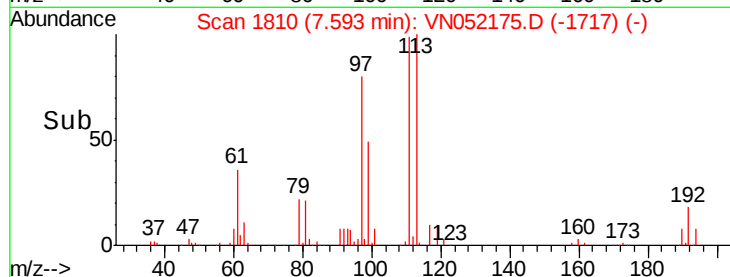
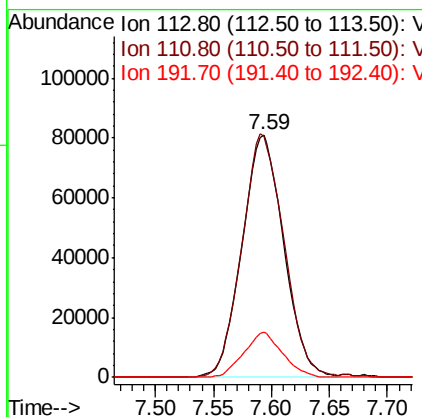
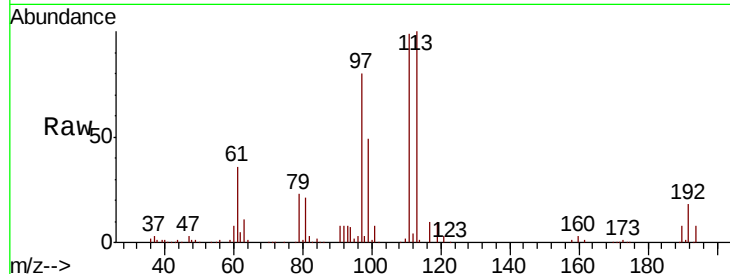
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	202785		
111	101.2		81.7	122.5
192	17.3		14.2	21.4

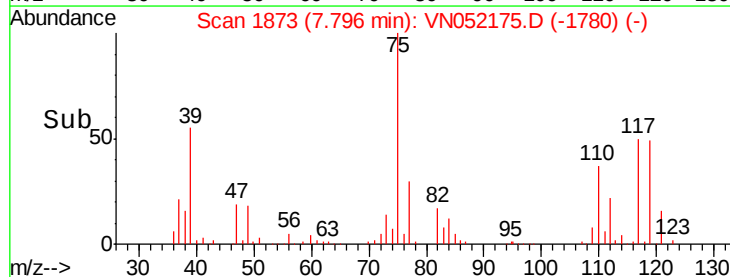
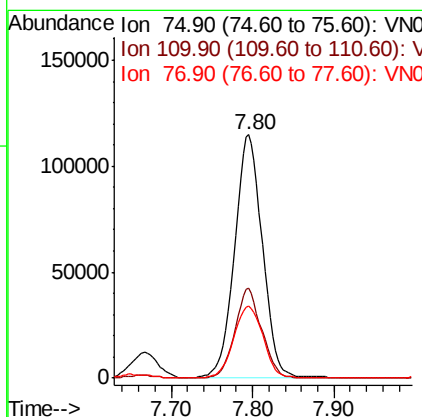
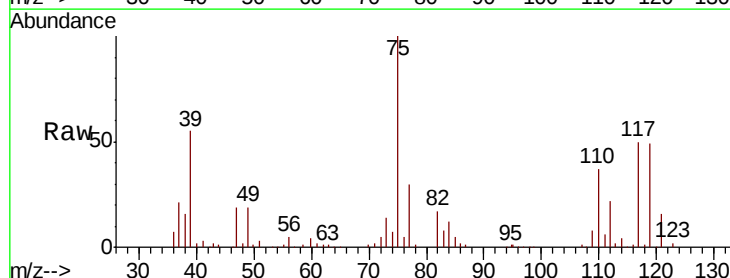
Manual Integrations
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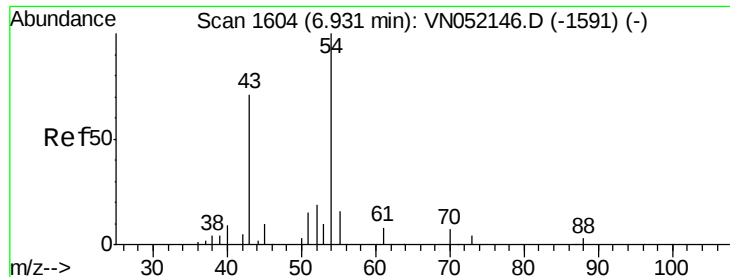
MMDadoda
11/6/2018 10:00:52 AM



#36
1,1-Dichloropropene
Concen: 48.982 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	270856		
110	35.6		17.8	53.5
77	31.6		24.0	36.0





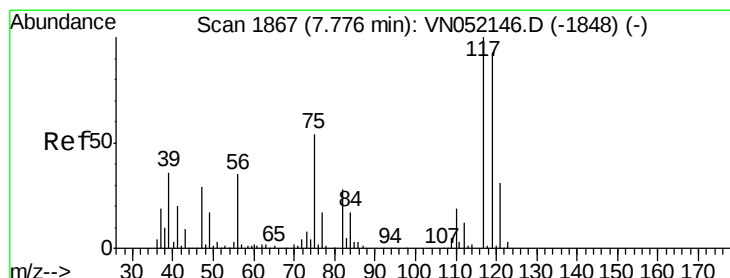
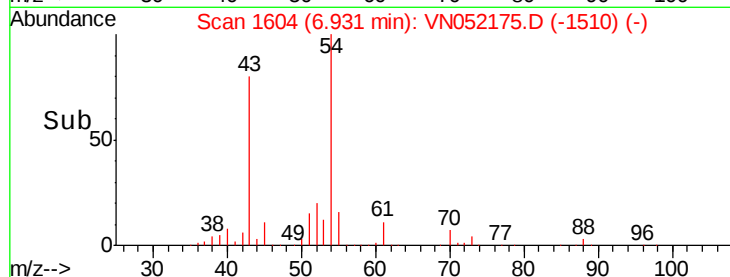
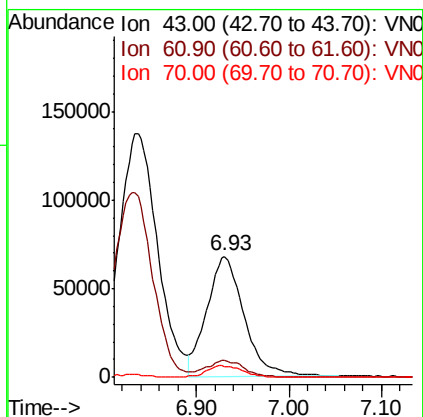
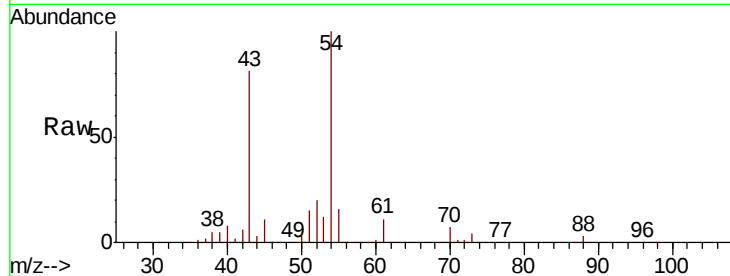
#37
Ethyl Acetate
Concen: 55.338 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	188475		
61	13.2		9.4	14.2
70	9.5		7.6	11.4

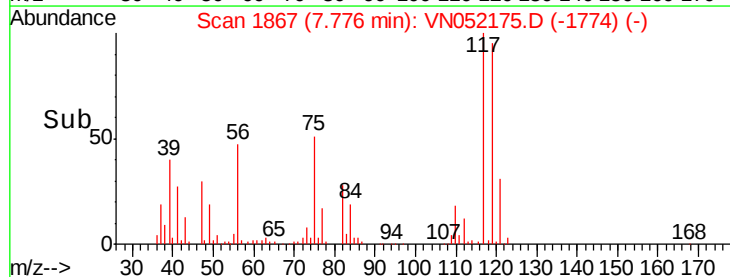
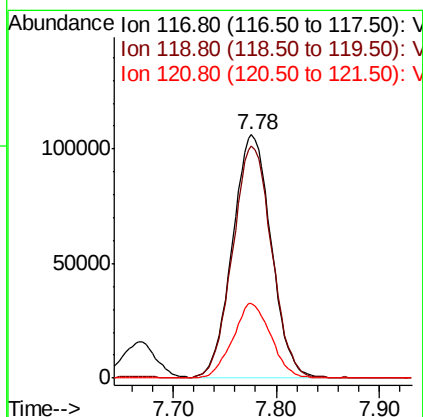
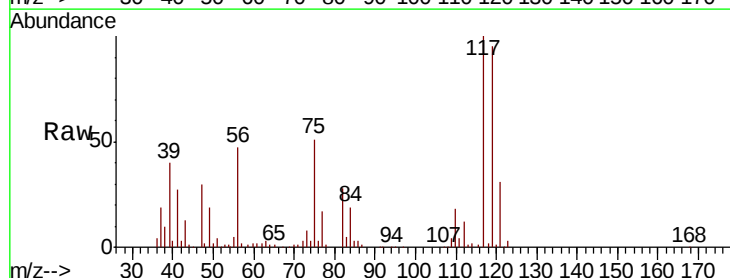
Manual Integrations
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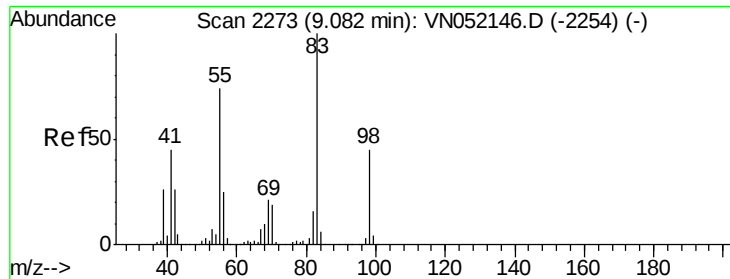
MMDadoda
11/6/2018 10:00:52 AM



#38
Carbon Tetrachloride
Concen: 50.081 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	276870		
119	95.4		74.7	112.1
121	30.7		24.5	36.7





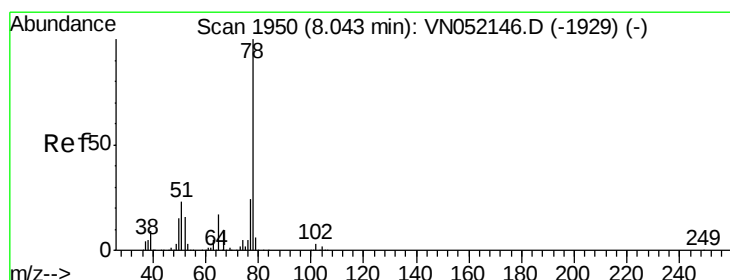
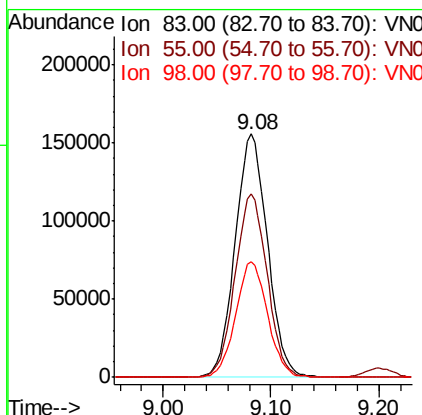
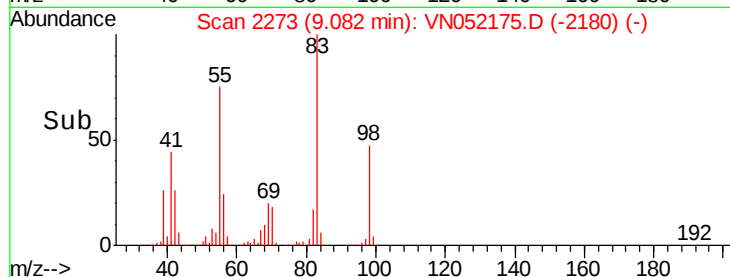
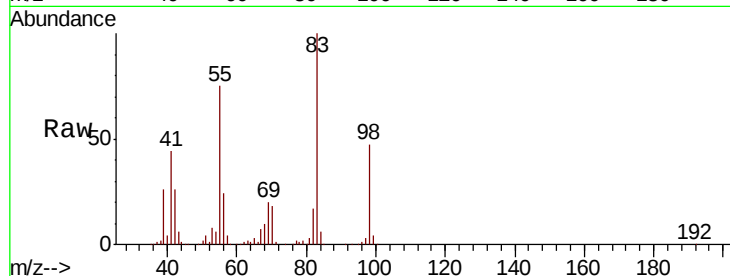
#39
Methvlcvclohexane
Concen: 49.413 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	59.4	89.2
98	47.4	36.3	54.5

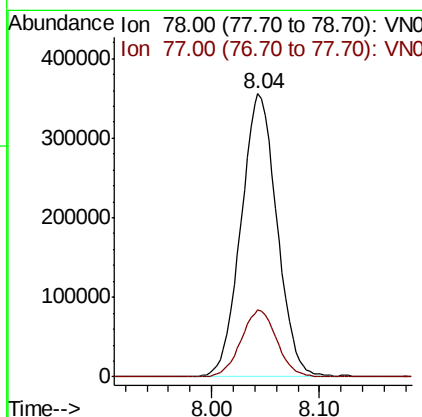
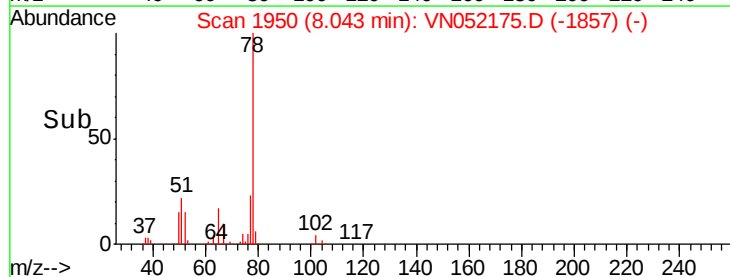
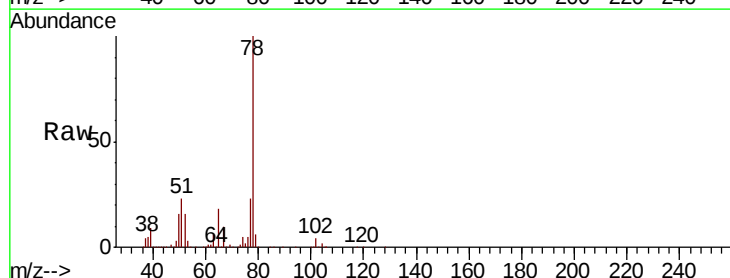
Manual Integrations
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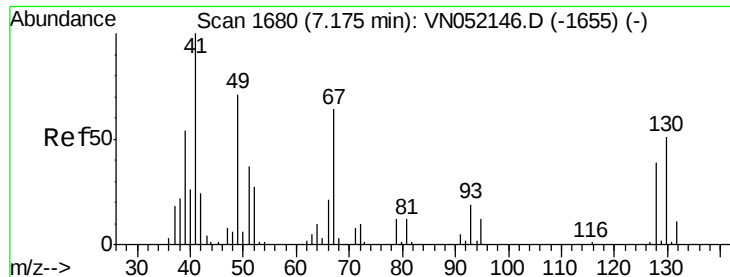
MMDadoda
11/6/2018 10:00:52 AM



#40
Benzene
Concen: 50.696 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





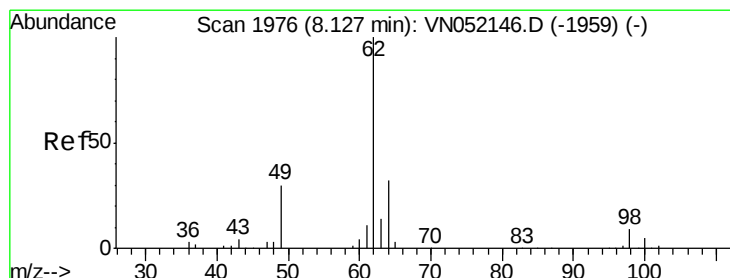
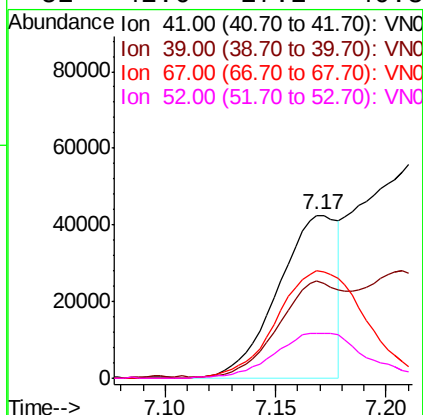
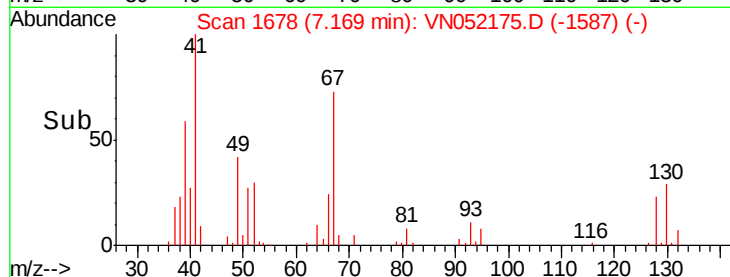
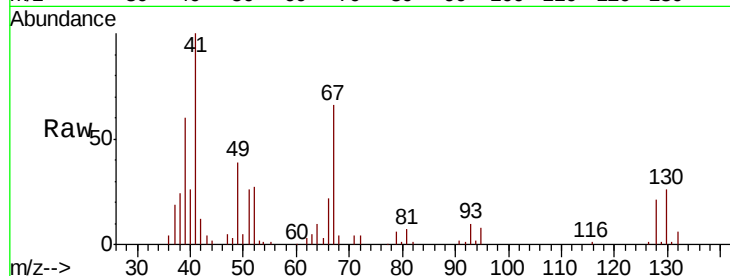
#41
Methacrylonitrile
Concen: 42.098 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.4	49.6	74.4
67	99.3	65.4	98.2#
52	42.6	27.2	40.8#

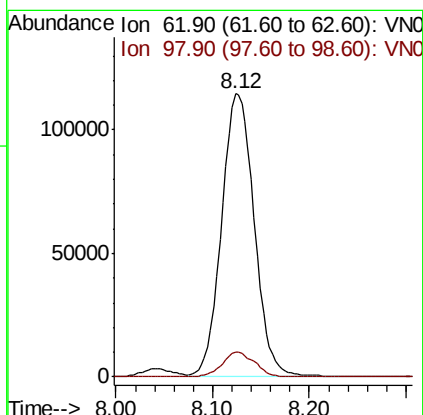
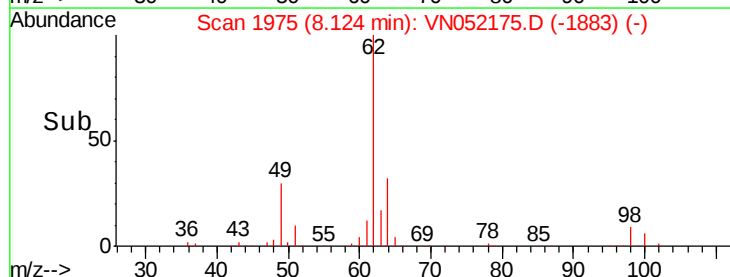
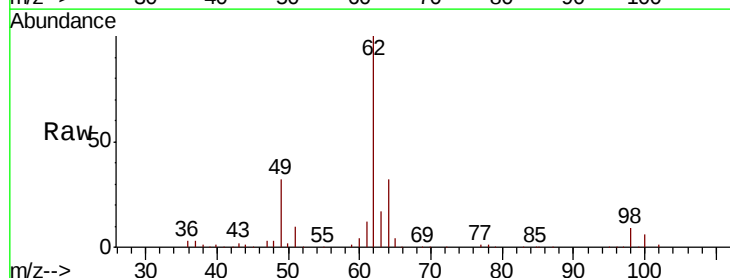
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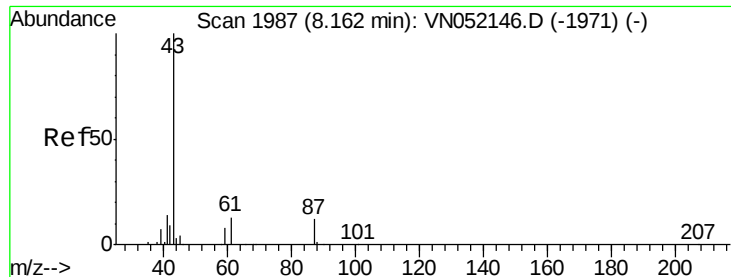
MMDadoda
11/6/2018 10:00:52 AM



#42
1,2-Dichloroethane
Concen: 51.603 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





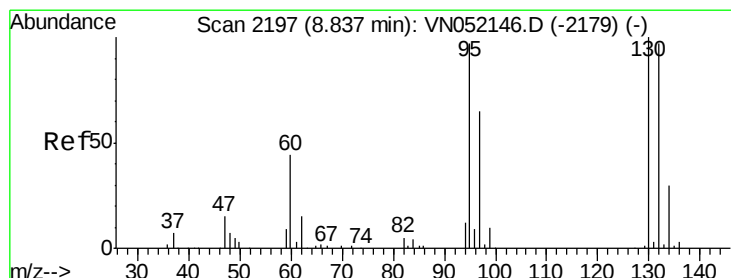
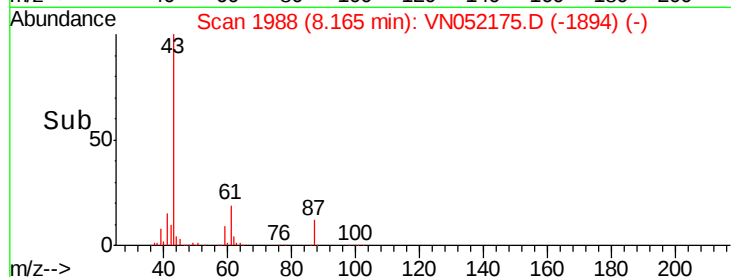
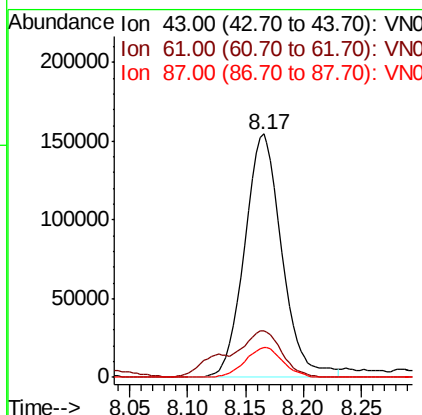
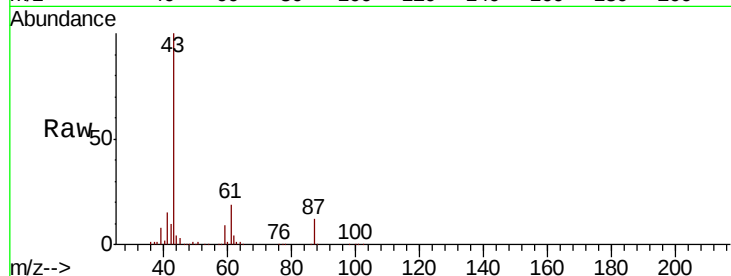
#43
Isopropyl Acetate
Concen: 54.689 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	21.5	32.3#
87	12.5	10.2	15.2

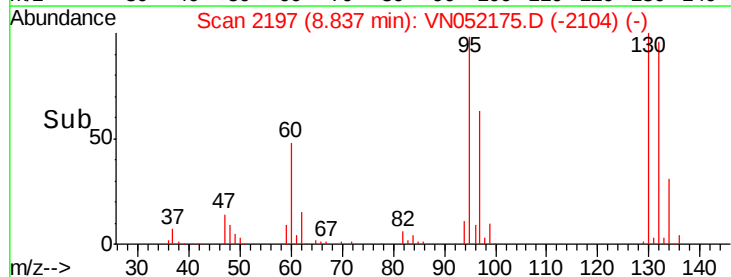
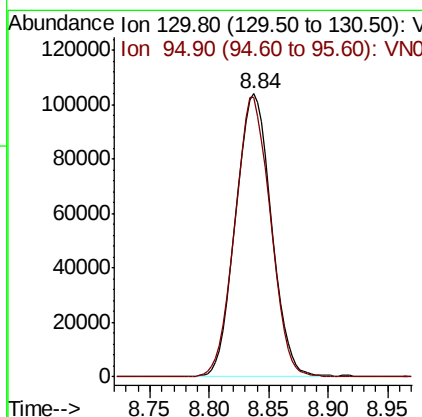
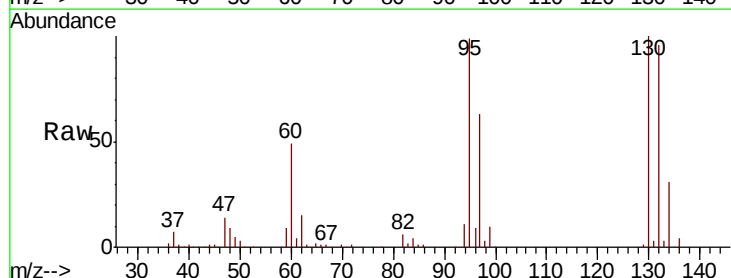
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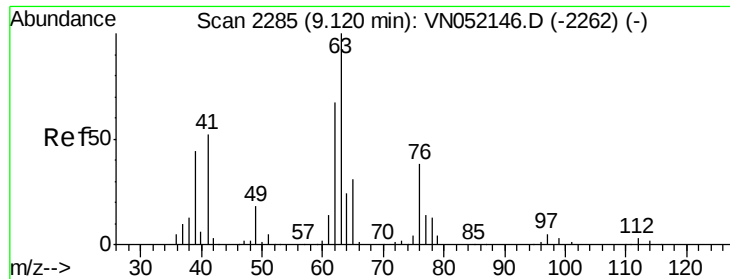
MMDadoda
11/6/2018 10:00:52 AM



#44
Trichloroethene
Concen: 50.478 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	193.8





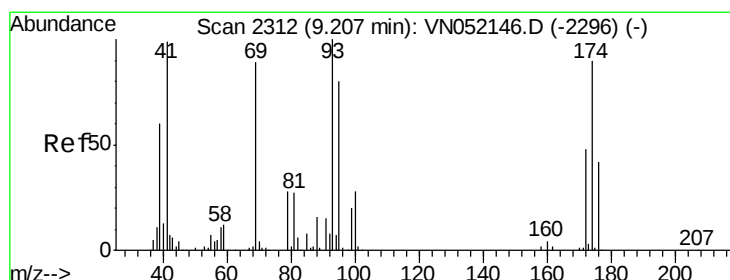
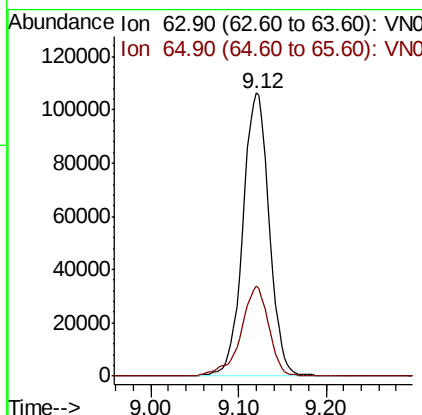
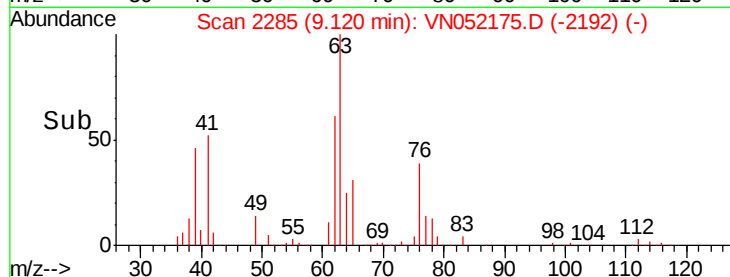
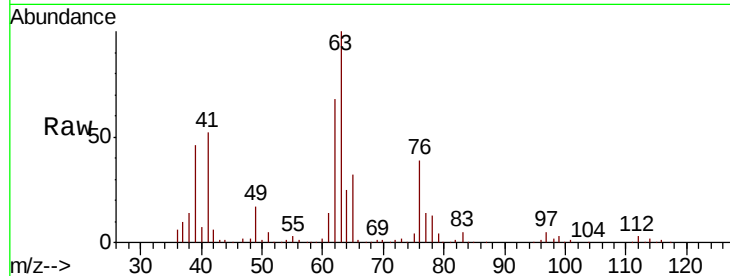
#45
 1,2-Dichloropropane
 Concen: 51.621 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.4	36.6

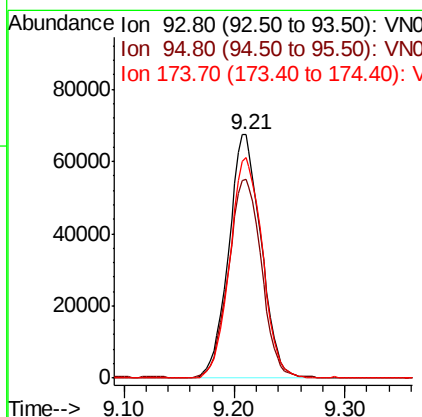
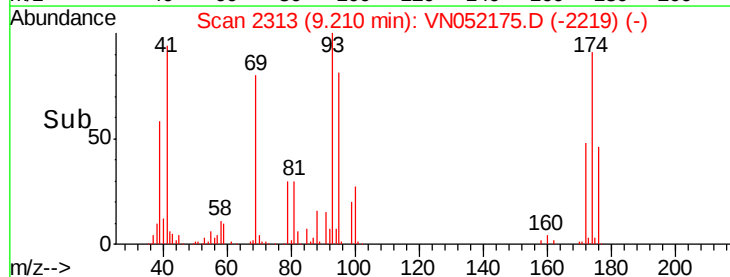
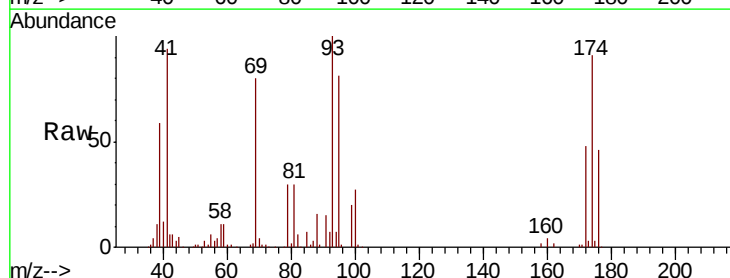
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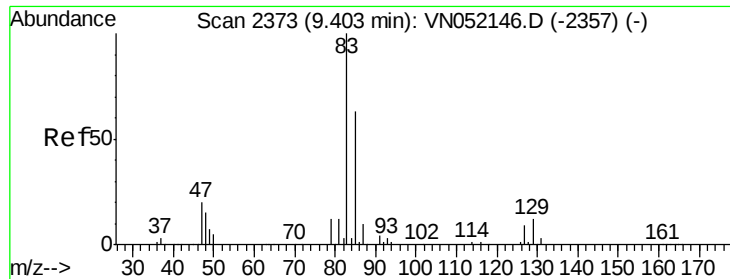
MMDadoda
 11/6/2018 10:00:52 AM



#46
 Dibromomethane
 Concen: 50.225 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	64.5	96.7
174	90.6	74.6	112.0





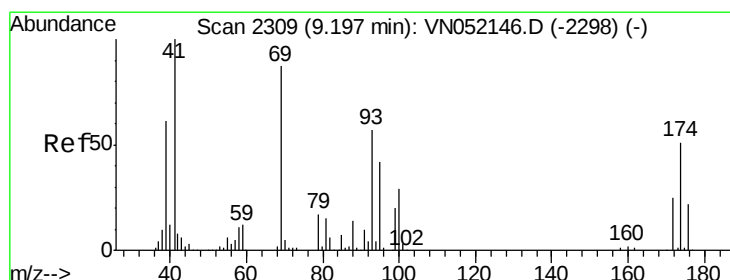
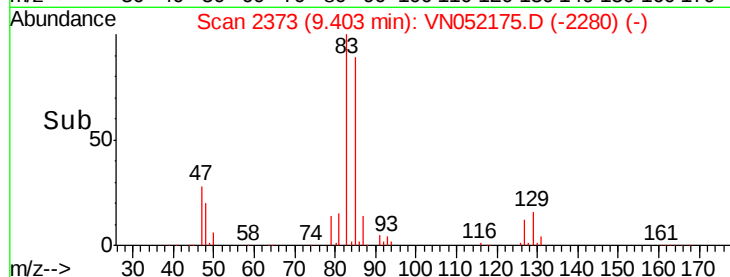
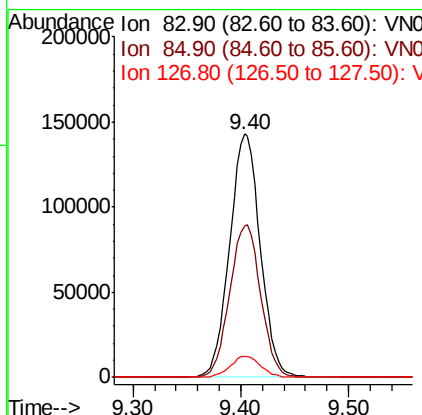
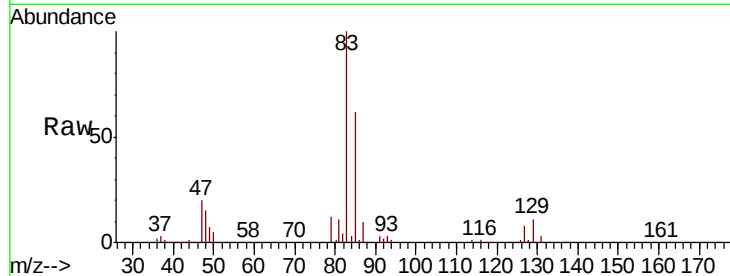
#47
Bromodichloromethane
Concen: 53.012 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	283057		
85	62.3		50.5	75.7
127	8.4		7.2	10.8

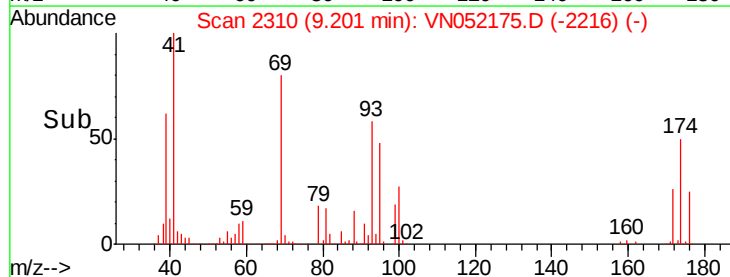
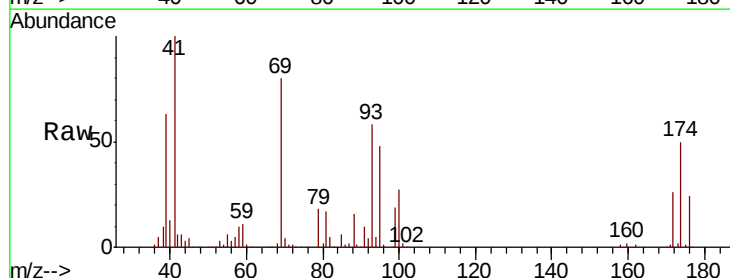
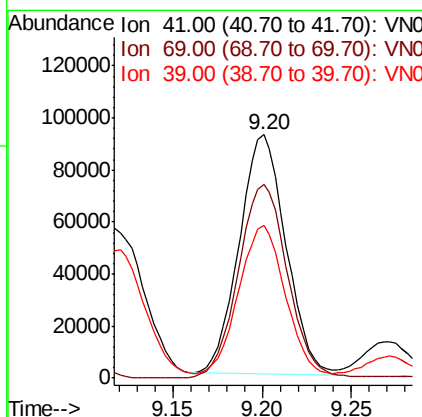
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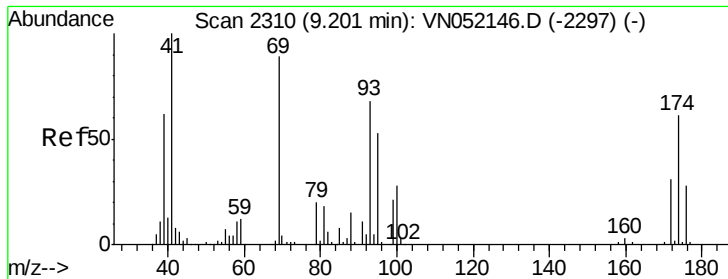
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11/6/2018 10:00:52 AM



#48
Methyl methacrylate
Concen: 55.228 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	167710		
69	85.6		69.7	104.5
39	64.3		50.6	76.0





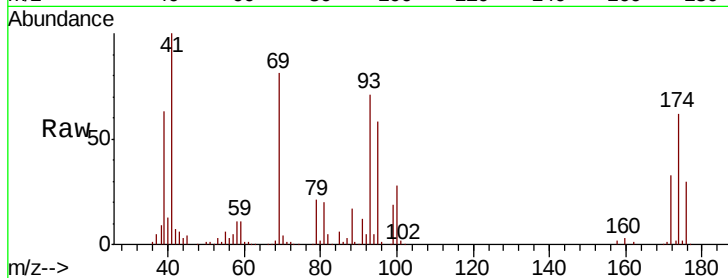
#49
1,4-Dioxane
Concen: 1153.162 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

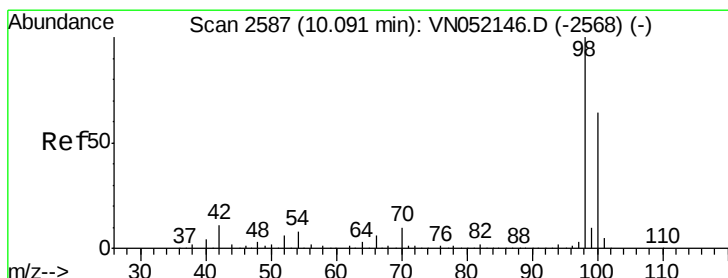
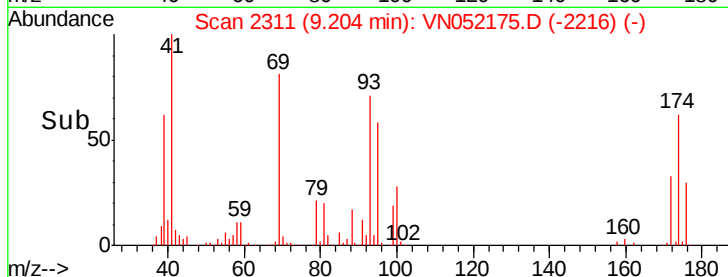
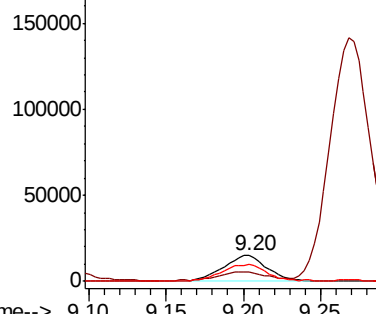
Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	33.0	49.6
58	69.1	58.6	88.0

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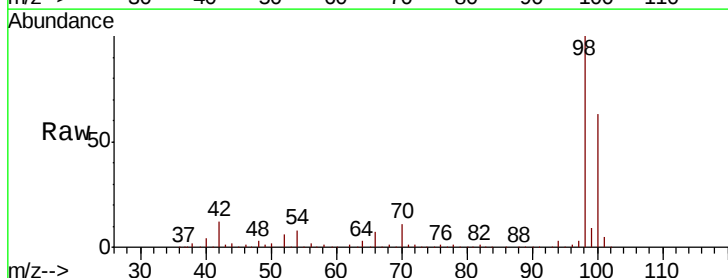


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

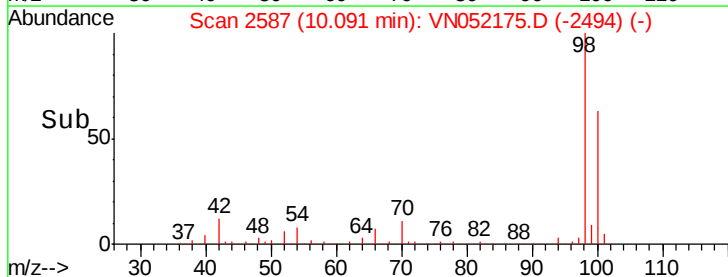
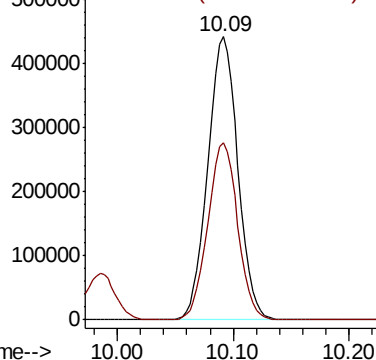


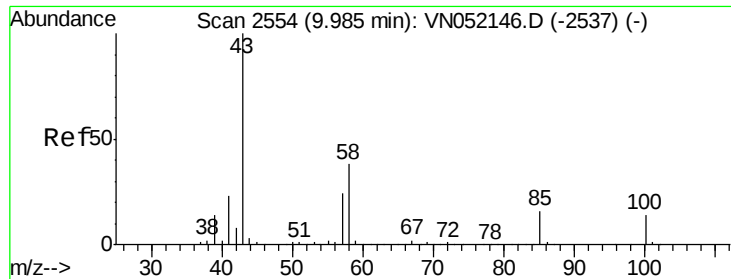
#50
Toluene-d8
Concen: 1153.162 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.3	50.5	75.7



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 285.258 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 950844

Ion Ratio Lower Upper

43 100

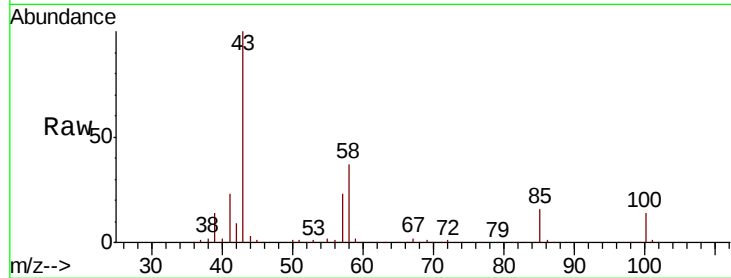
58 37.2 29.6 44.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN052146.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN052146.D (-2537) (-)

9.99

600000

500000

400000

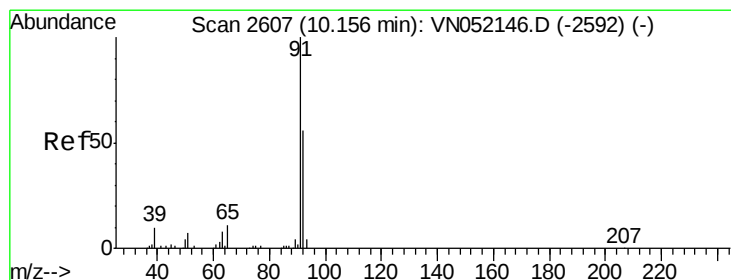
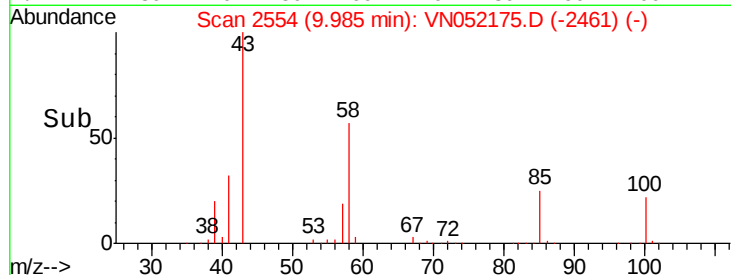
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.255 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052175.D

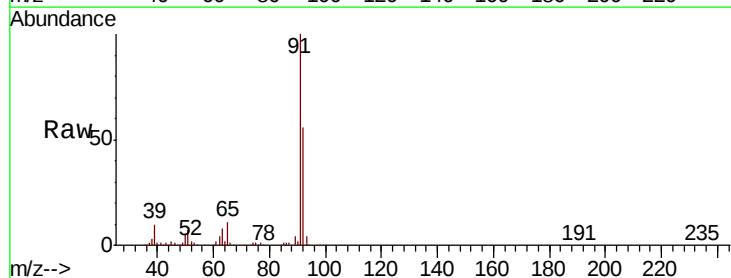
Acq: 6 Nov 2018 3:55

Tgt Ion: 92 Resp: 512231

Ion Ratio Lower Upper

92 100

91 178.6 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN052146.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN052146.D (-2592) (-)

10.16

600000

500000

400000

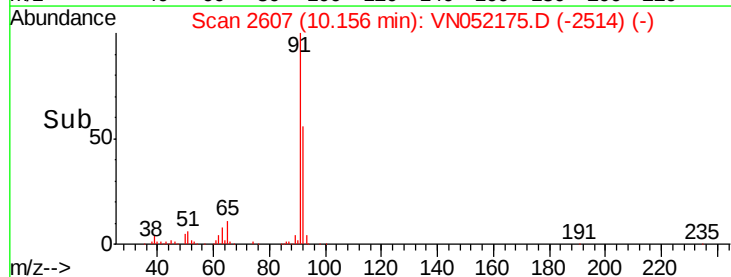
300000

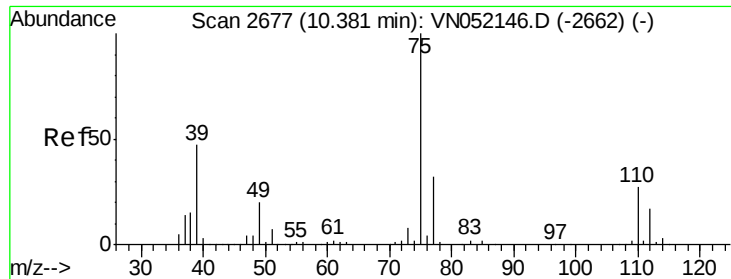
200000

100000

0

Time-->





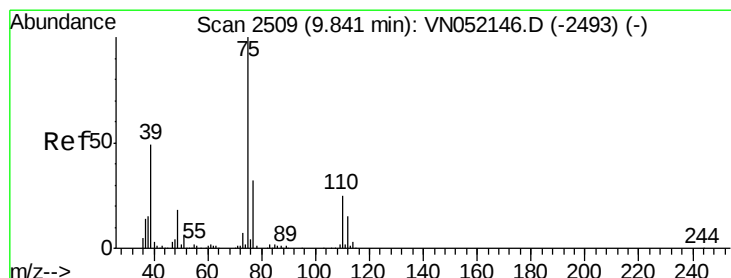
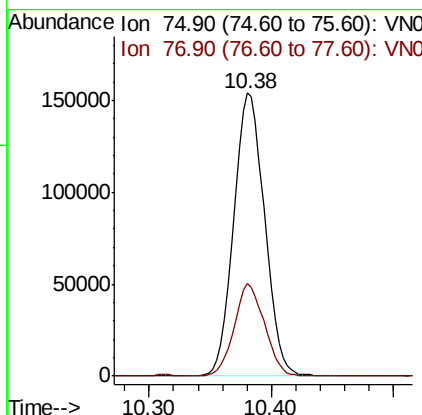
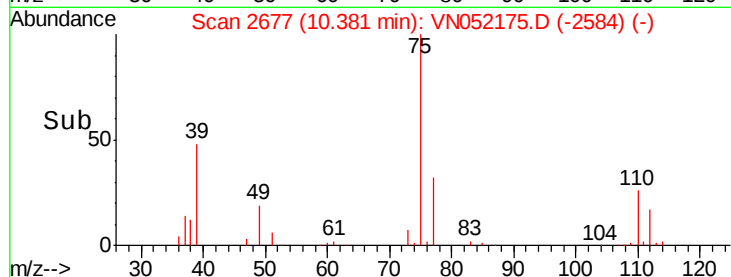
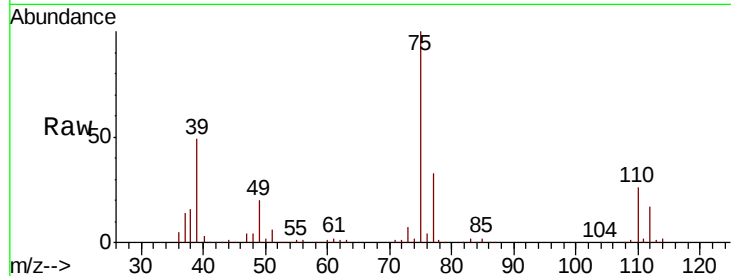
#53
t-1,3-Dichloropropene
Concen: 51.548 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 270012
Ion Ratio Lower Upper
75 100
77 32.6 25.8 38.6

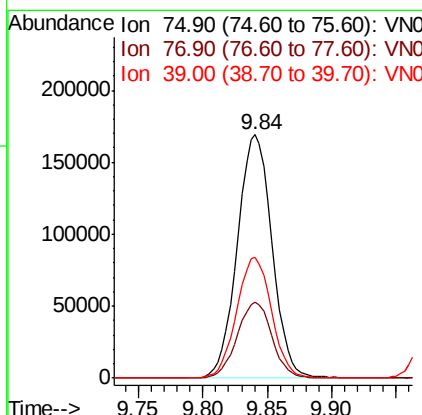
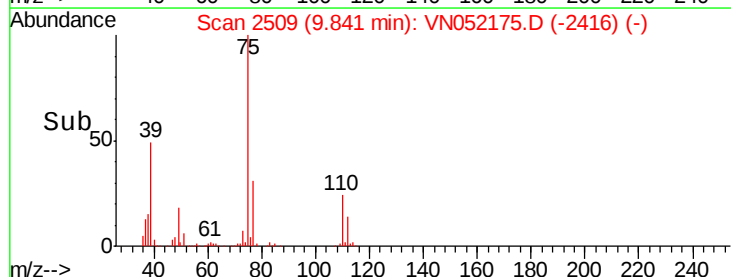
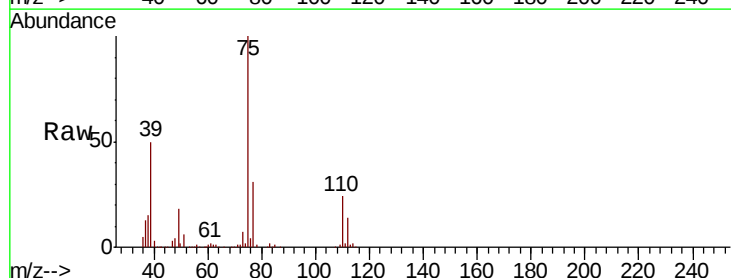
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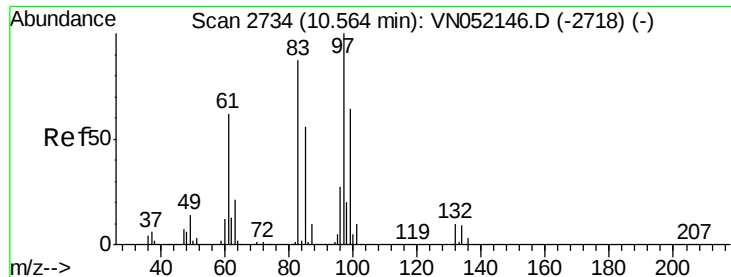
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.733 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion: 75 Resp: 317094
Ion Ratio Lower Upper
75 100
77 31.4 25.8 38.8
39 49.4 39.2 58.8





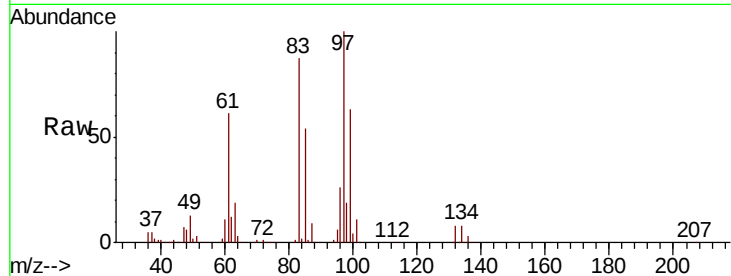
#55
 1,1,2-Trichloroethane
 Concen: 54.864 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	189614
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.3	103.9
85	53.6	44.9	67.3
99	63.4	51.5	77.3

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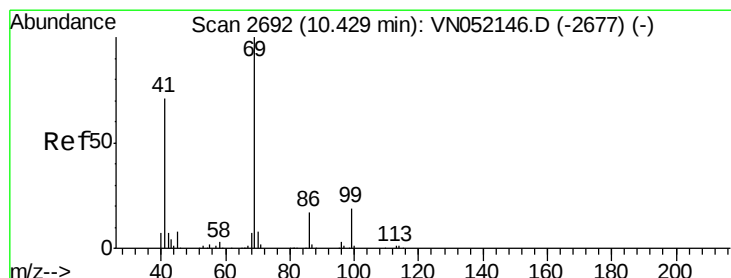
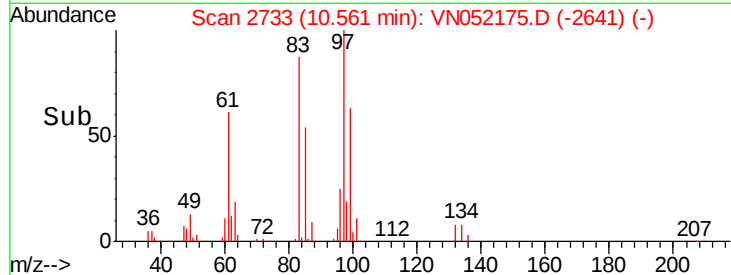
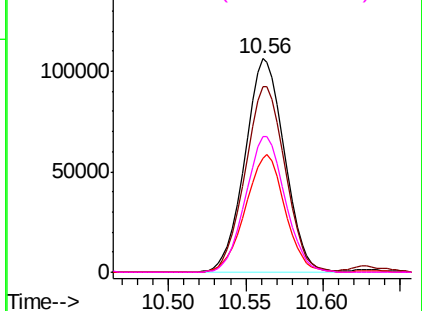
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

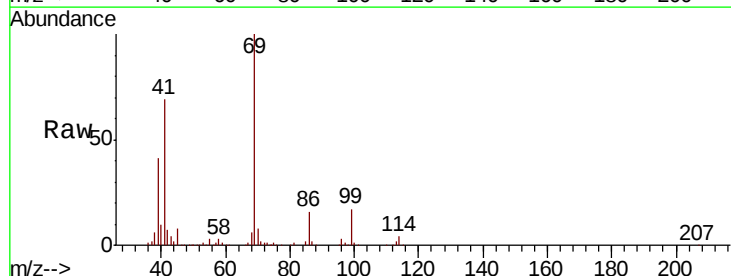
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 54.803 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Tgt Ion:	69	Resp:	246878
Ion	Ratio	Lower	Upper
69	100		
41	68.9	55.4	83.0
39	40.6	32.0	48.0

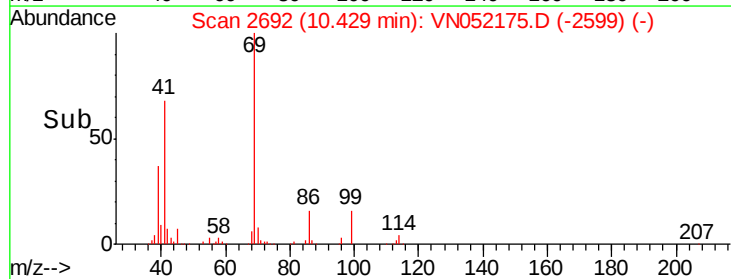
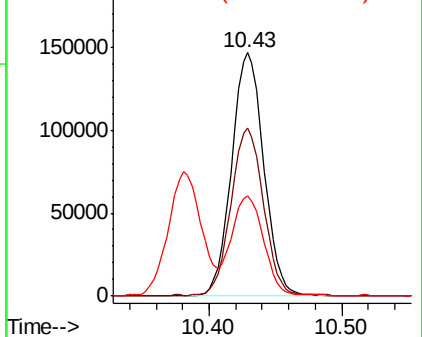


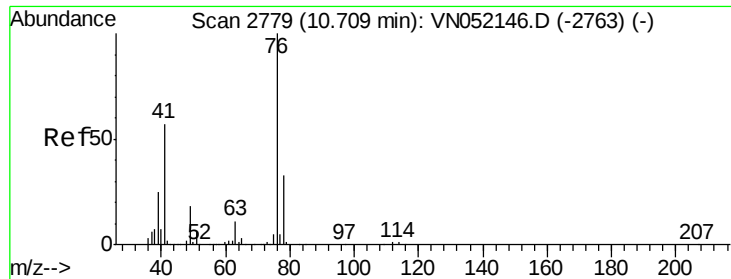
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 53.154 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 323629

Ion Ratio Lower Upper

76 100

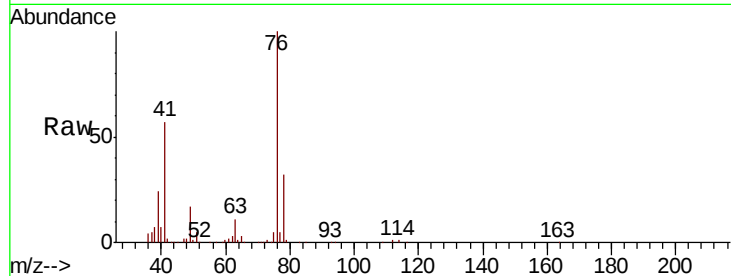
78 32.6 25.5 38.3

Manual Integrations

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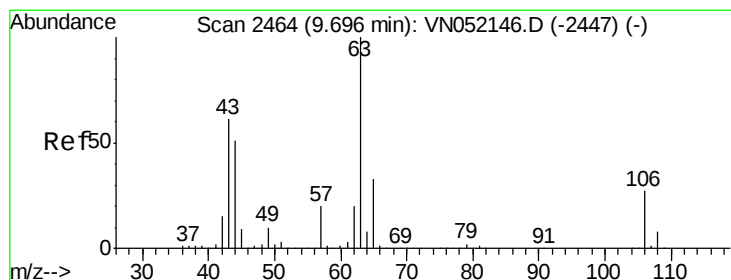
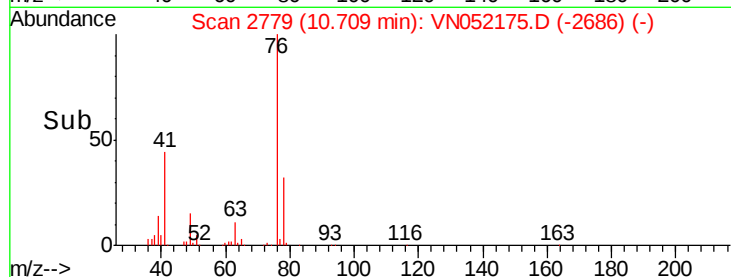
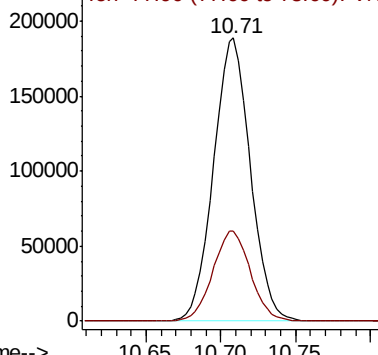
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11/6/2018 10:00:52 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 288.274 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052175.D

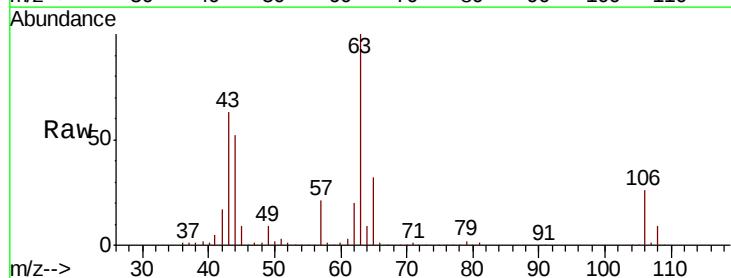
Acq: 6 Nov 2018 3:55

Tgt Ion: 63 Resp: 698884

Ion Ratio Lower Upper

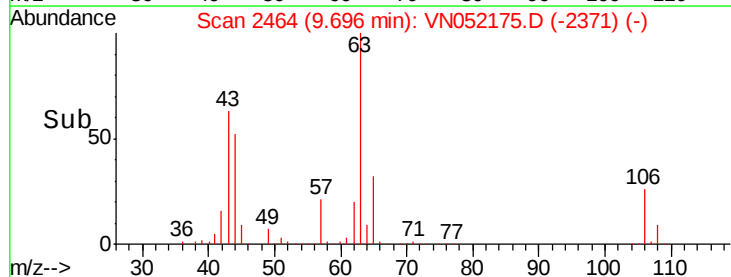
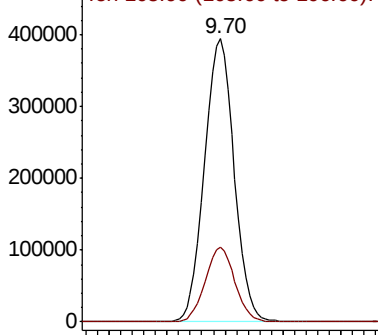
63 100

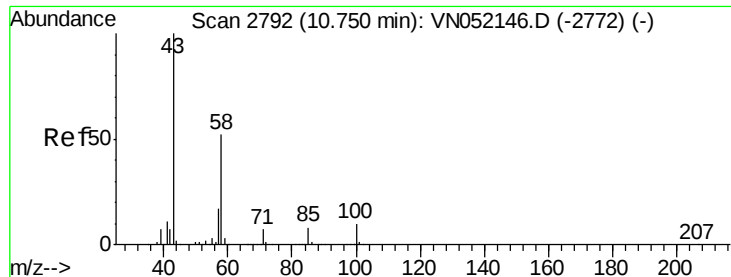
106 26.3 21.0 31.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





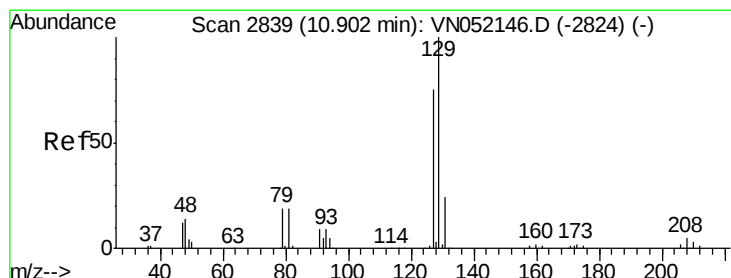
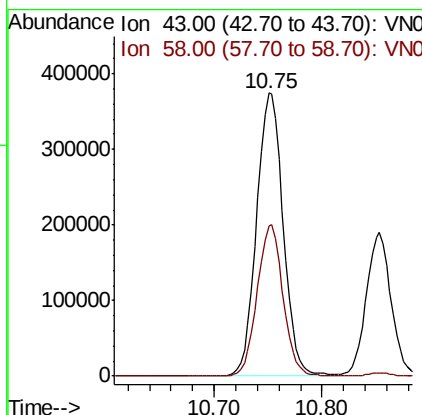
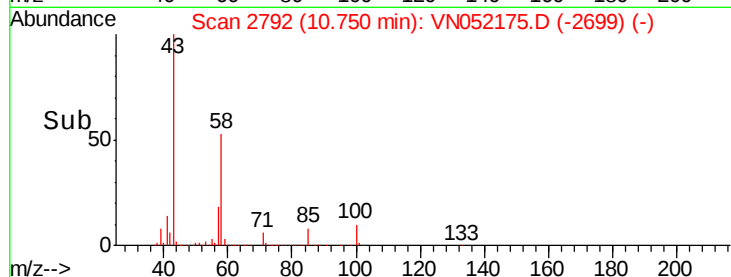
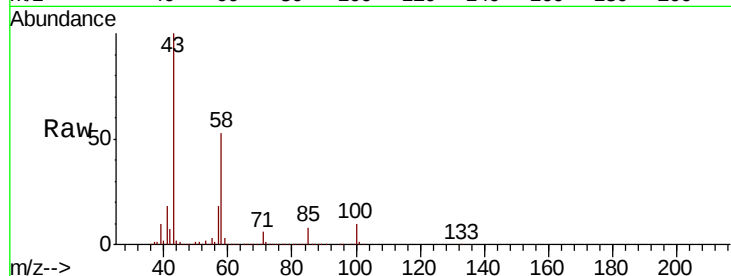
#59
2-Hexanone
Concen: 275.335 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 638880
Ion Ratio Lower Upper
43 100
58 52.1 25.8 77.4

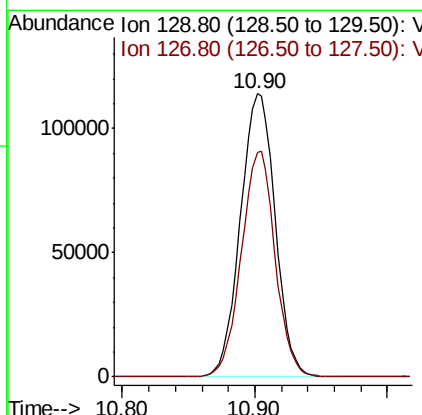
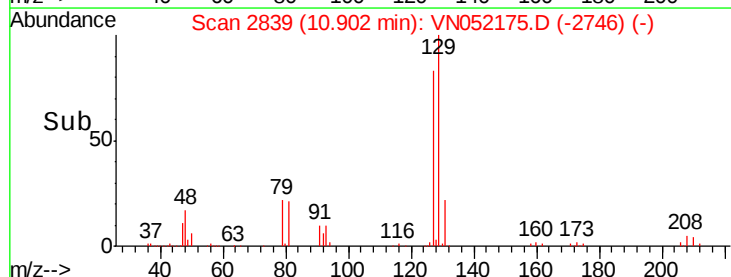
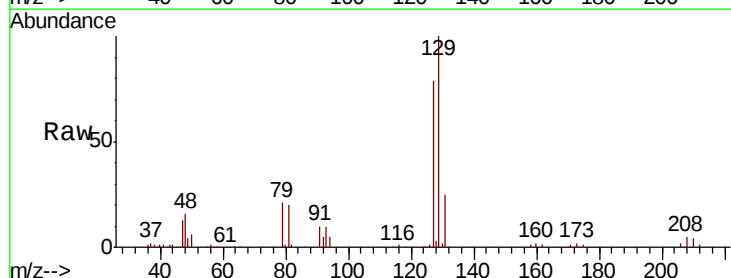
Manual Integrations
APPROVED

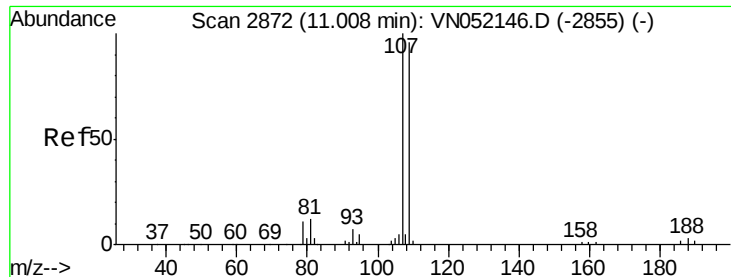
MMDadoda
11/6/2018 10:00:52 AM



#60
Dibromochloromethane
Concen: 52.922 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion: 129 Resp: 208000
Ion Ratio Lower Upper
129 100
127 77.2 38.0 114.1





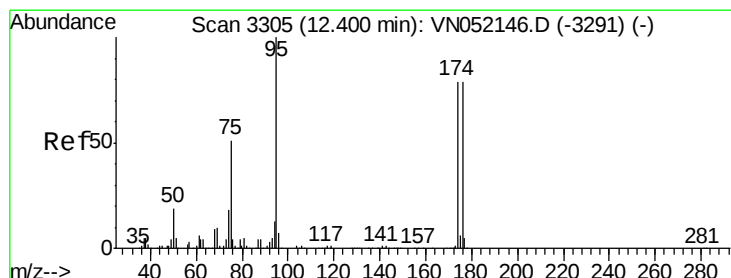
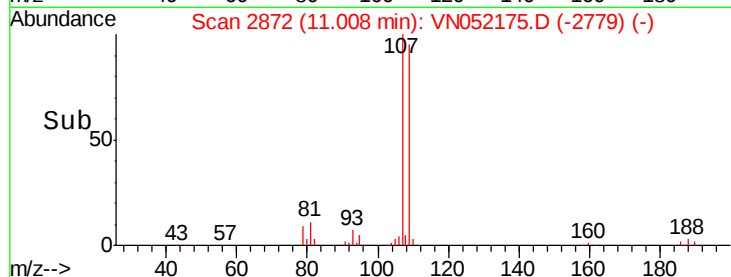
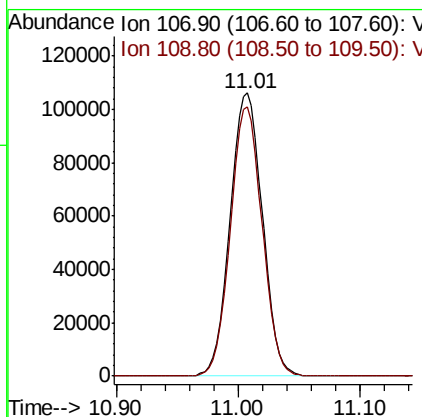
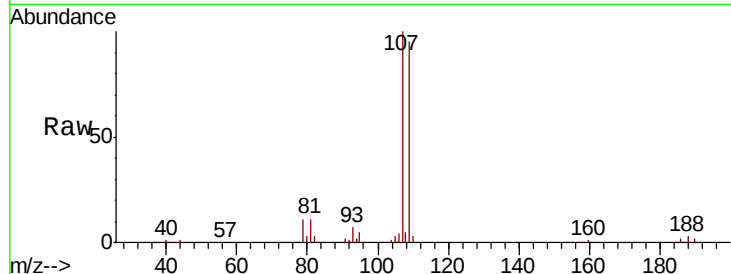
#61
 1,2-Dibromoethane
 Concen: 55.668 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	195299		
109	93.6	76.0	114.0	

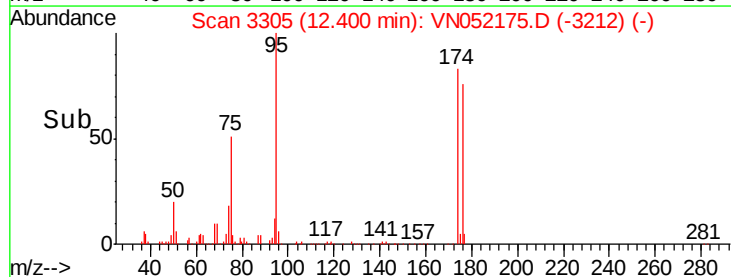
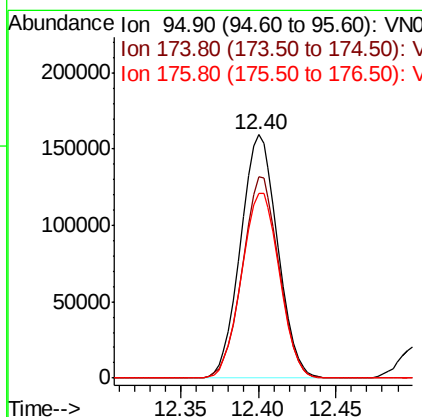
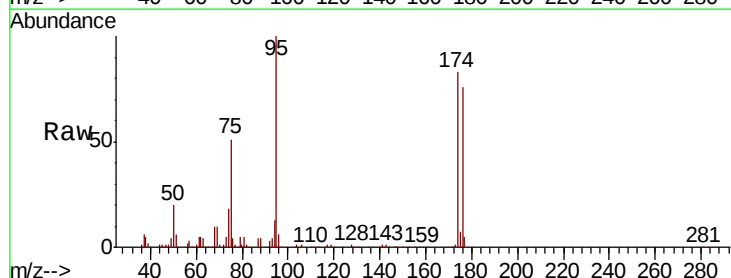
Manual Integrations
 APPROVED

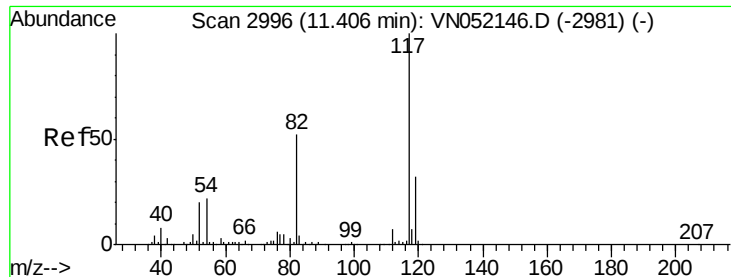
MMDadoda
 11/6/2018 10:00:52 AM



#62
 4-Bromofluorobenzene
 Concen: 55.668 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	266605		
174	81.5	0.0	162.6	
176	77.7	0.0	155.4	





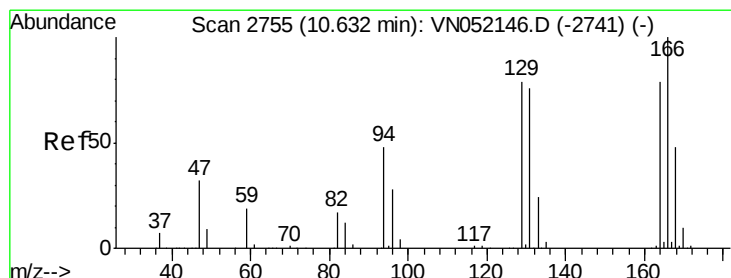
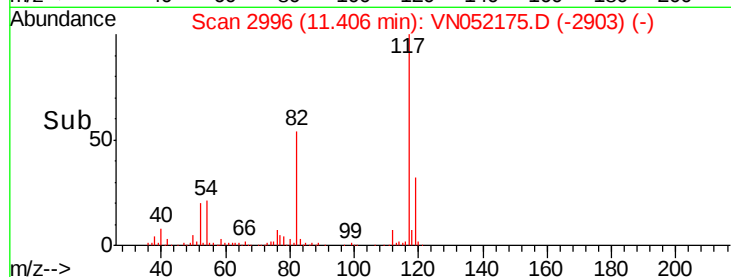
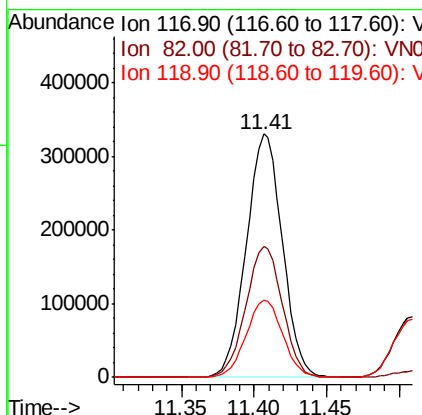
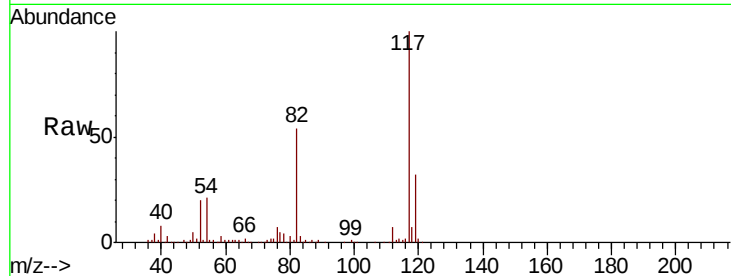
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	571851		
82	54.1		41.9	62.9
119	32.0		25.7	38.5

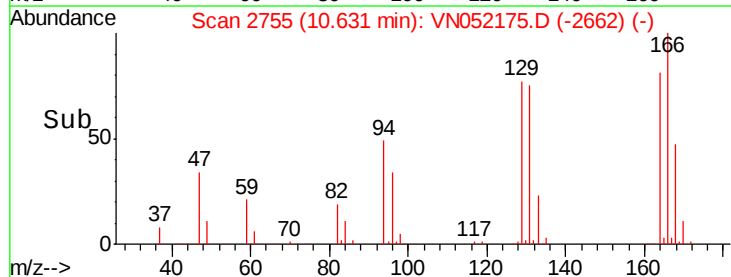
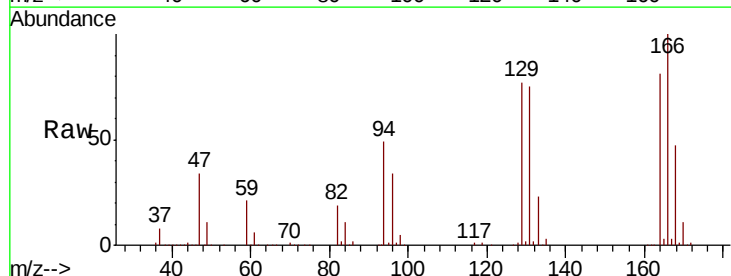
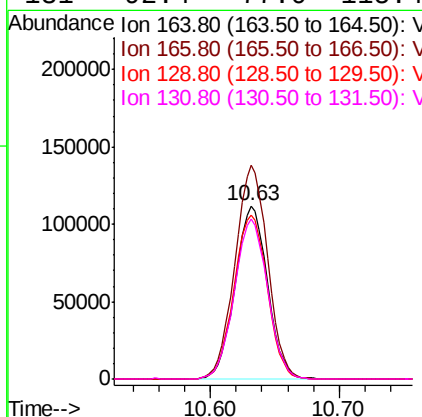
Manual Integrations
APPROVED

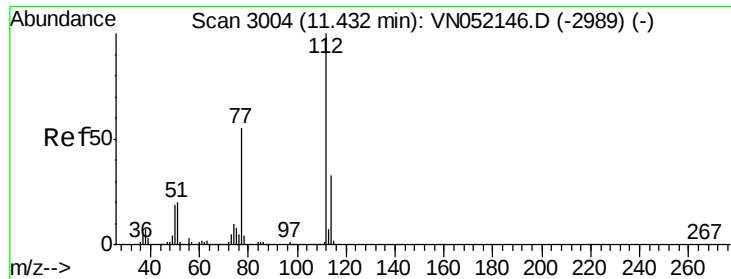
MMDadoda
11/6/2018 10:00:52 AM



#64
Tetrachloroethene
Concen: 52.589 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	194832		
166	123.5		100.8	151.2
129	95.0		79.1	118.7
131	92.4		77.0	115.4





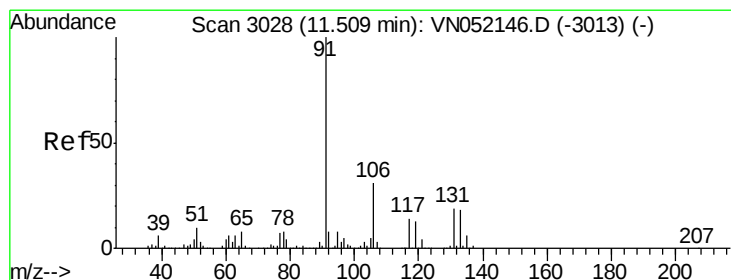
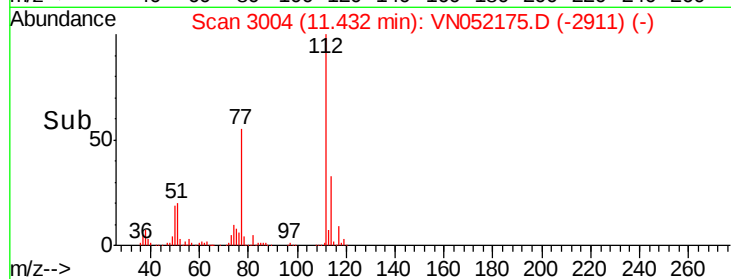
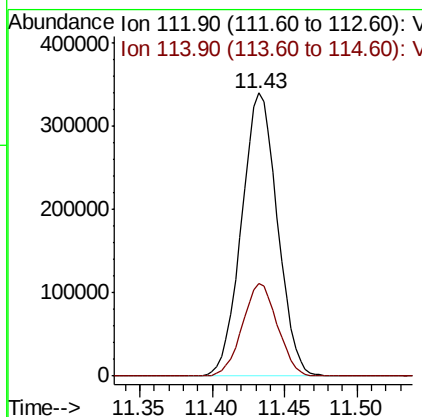
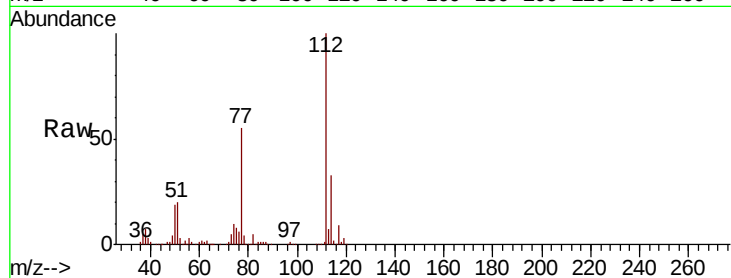
#65
Chlorobenzene
Concen: 50.259 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.2	39.4

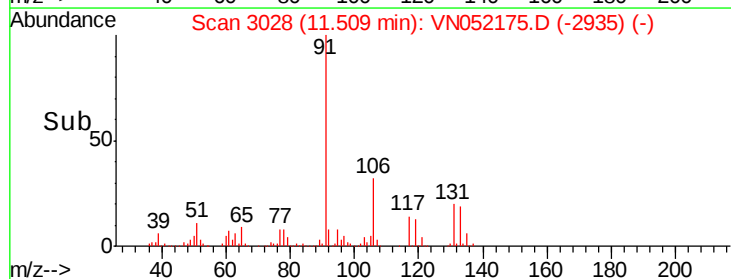
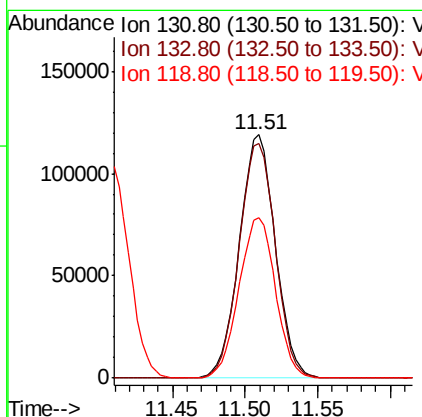
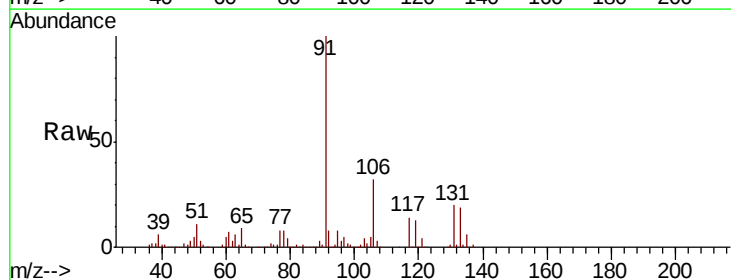
Manual Integrations
APPROVED

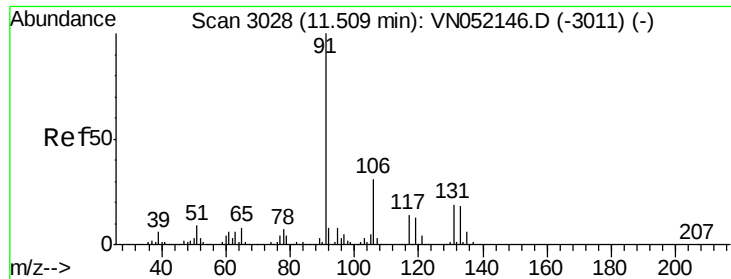
MMDadoda
11/6/2018 10:00:52 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.491 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	46.6	139.8
119	66.9	33.6	100.8





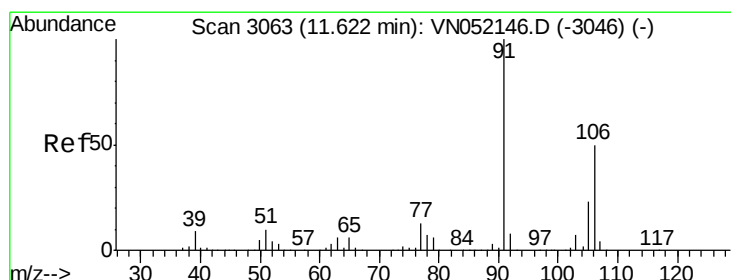
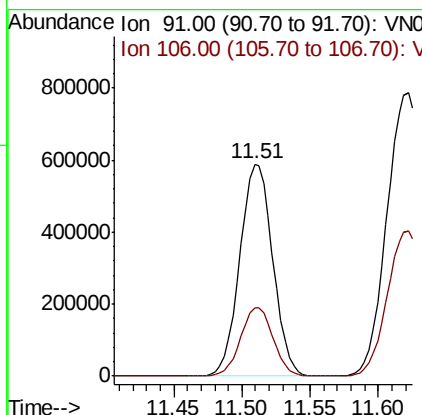
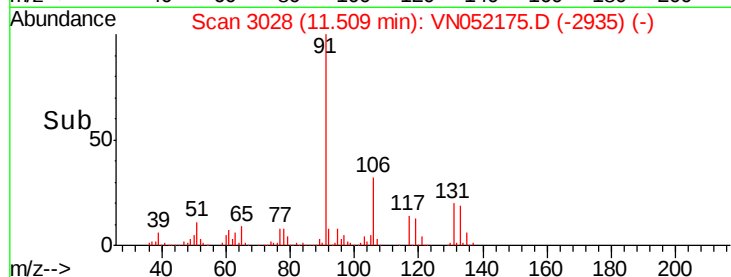
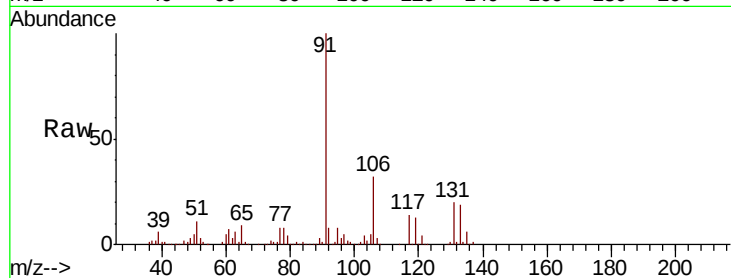
#67
Ethyl Benzene
Concen: 50.937 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 986108
Ion Ratio Lower Upper
91 100
106 32.5 25.1 37.7

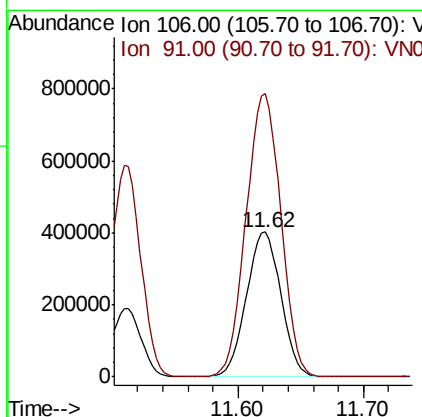
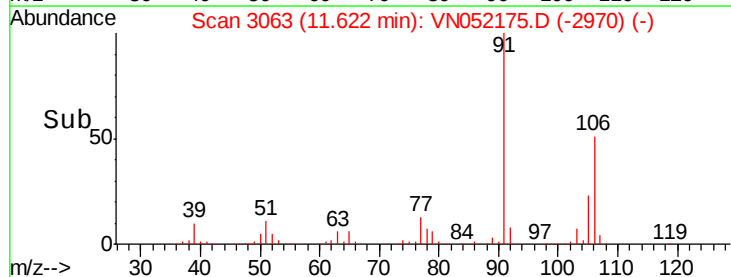
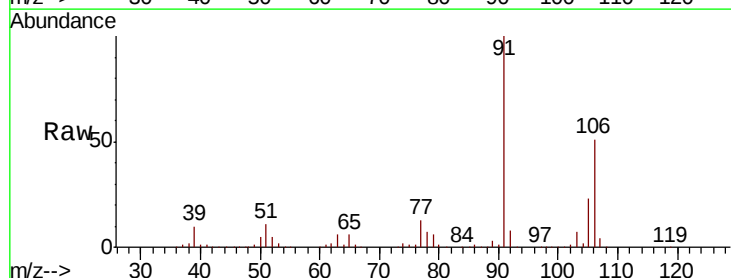
Manual Integrations
APPROVED

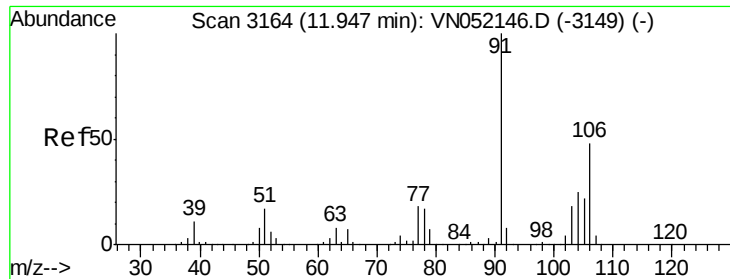
MMDadoda
11/6/2018 10:00:52 AM



#68
m/p-Xylenes
Concen: 102.812 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion: 106 Resp: 767999
Ion Ratio Lower Upper
106 100
91 197.9 158.2 237.4





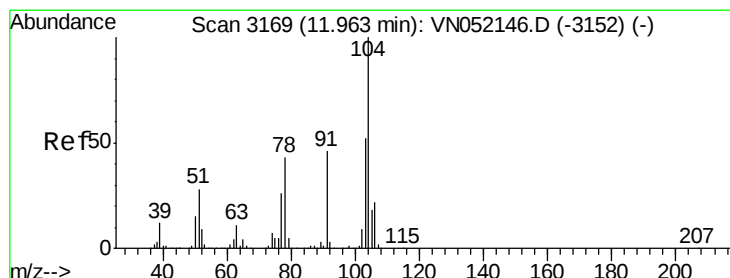
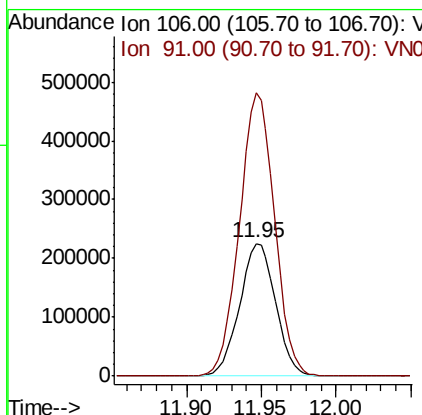
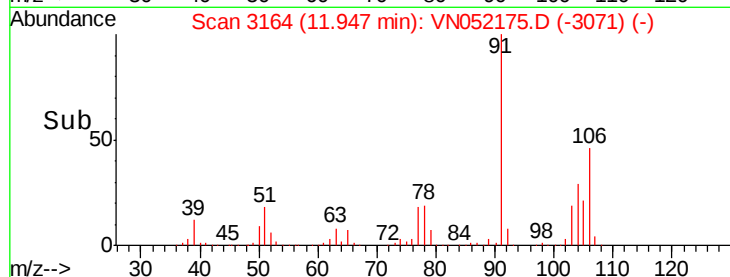
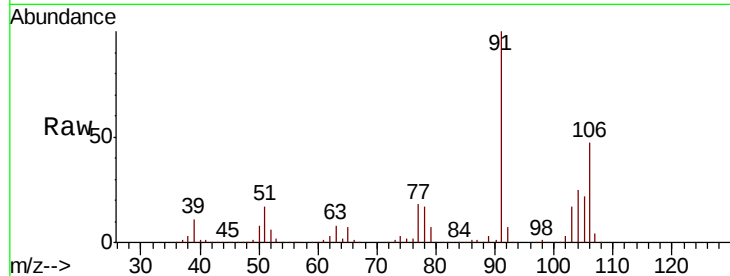
#69
o-Xylene
Concen: 51.986 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 376605
Ion Ratio Lower Upper
106 100
91 208.5 104.8 314.3

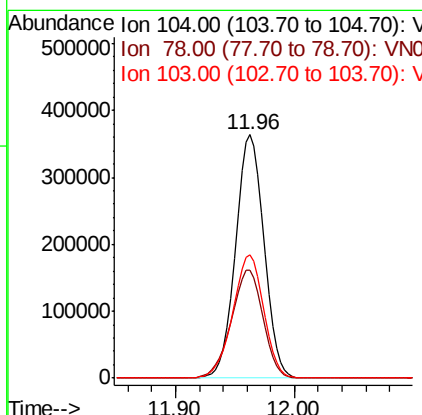
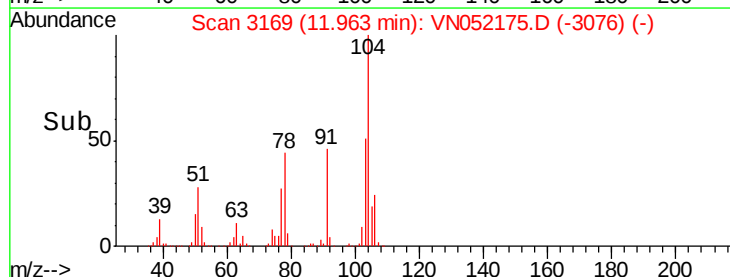
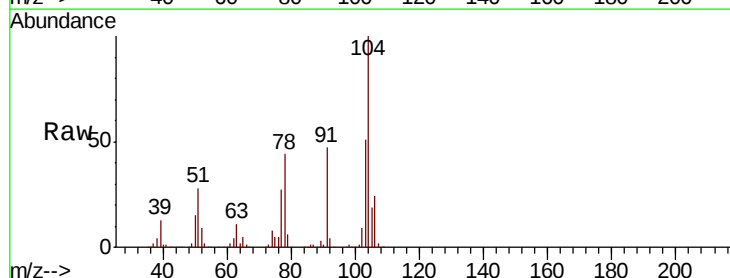
Manual Integrations
APPROVED

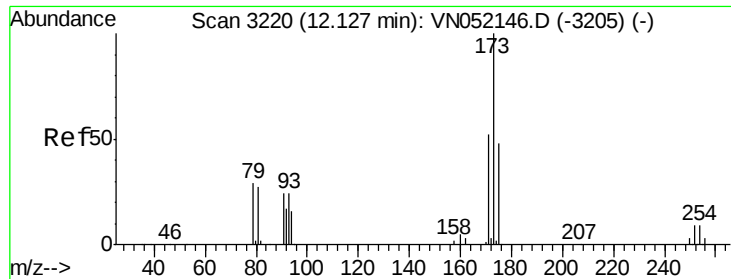
MMDadoda
11/6/2018 10:00:52 AM



#70
Styrene
Concen: 52.481 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion:104 Resp: 601859
Ion Ratio Lower Upper
104 100
78 49.4 39.4 59.0
103 55.2 45.1 67.7





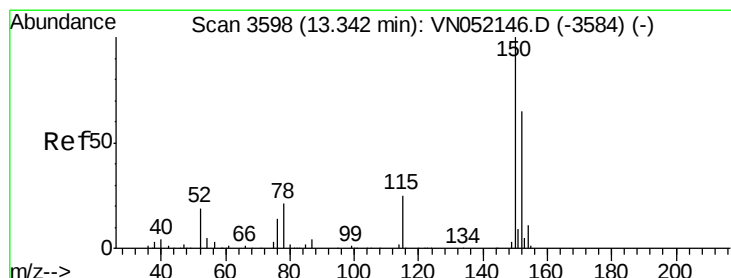
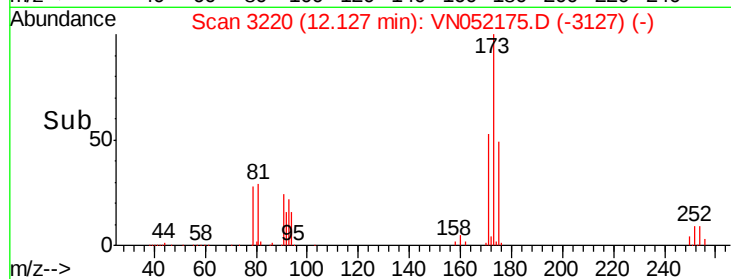
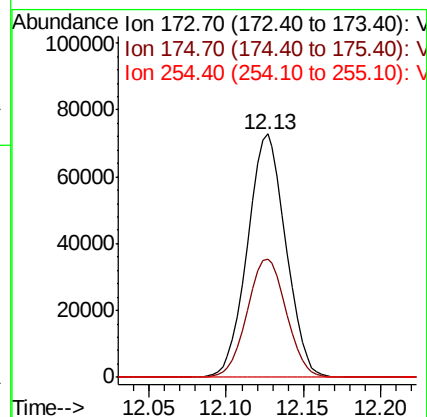
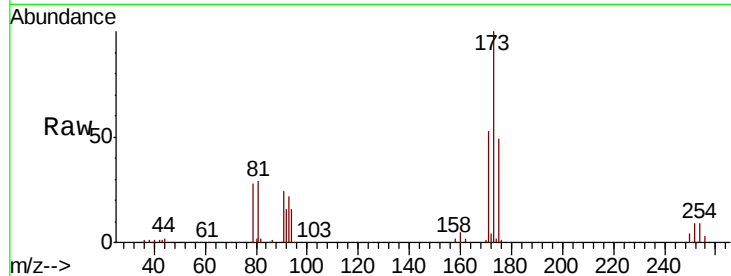
#71
Bromoform
Concen: 48.267 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.8	74.4
254	0.0	0.2	0.2

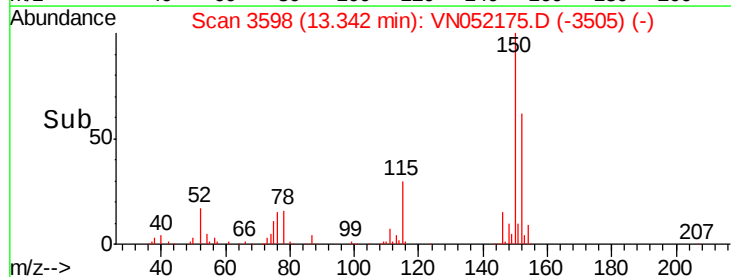
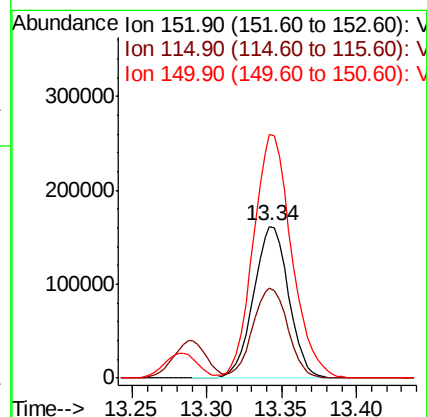
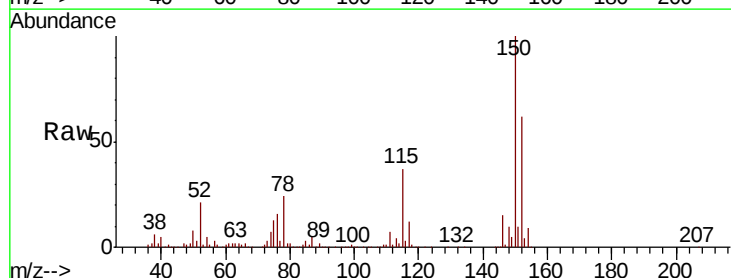
Manual Integrations
APPROVED

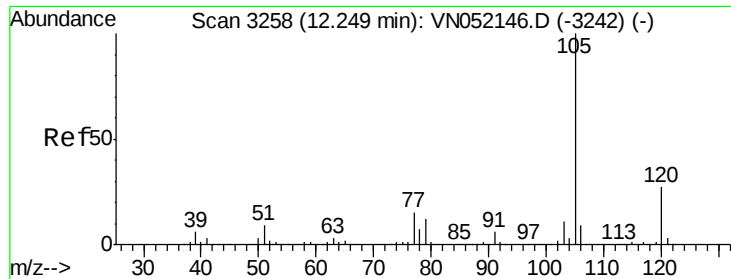
MMDadoda
11/6/2018 10:00:52 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	28.5	85.5
150	175.3	0.0	348.6





#73

Isopropylbenzene

Concen: 49.323 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 982738

Ion Ratio Lower Upper

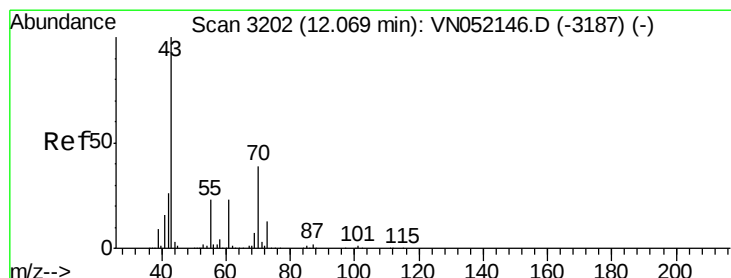
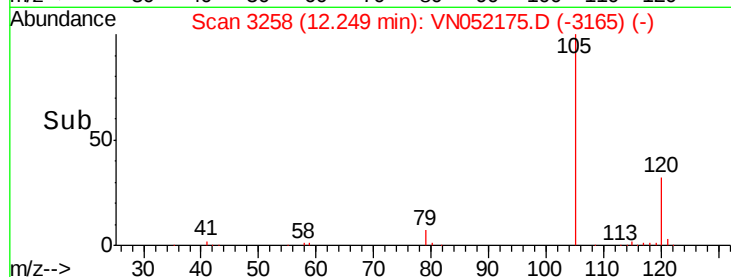
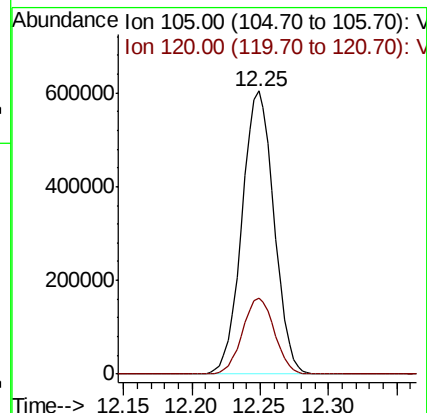
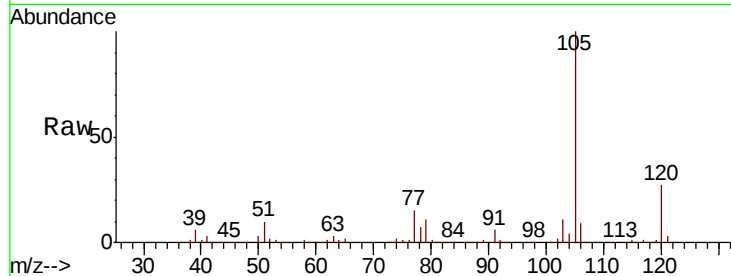
105 100

120 26.9 13.3 39.9

Manual Integrations
APPROVED

MMDadoda

11/6/2018 10:00:52 AM



#74

N-ethyl acetate

Concen: 54.805 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

Tgt Ion: 43 Resp: 324036

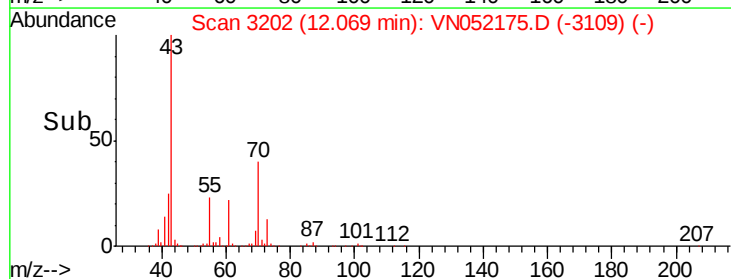
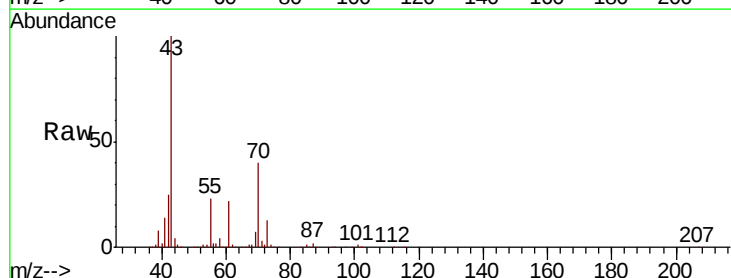
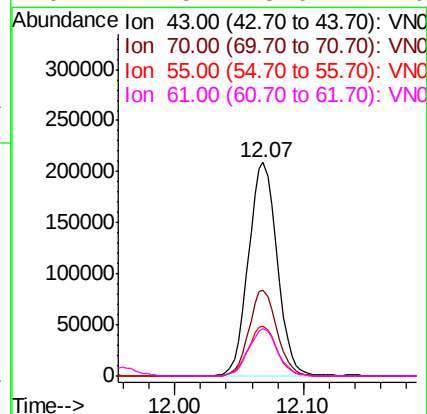
Ion Ratio Lower Upper

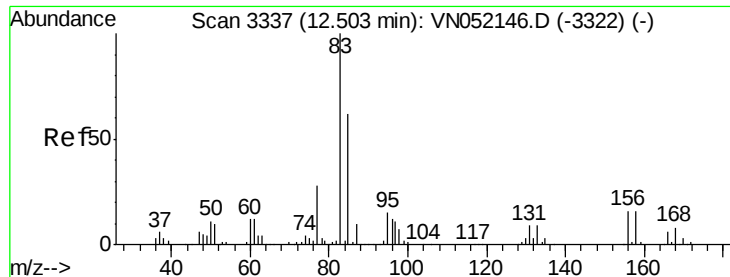
43 100

70 39.2 31.1 46.7

55 23.5 18.5 27.7

61 22.5 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.349 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

Instrument :

MSVOA_N

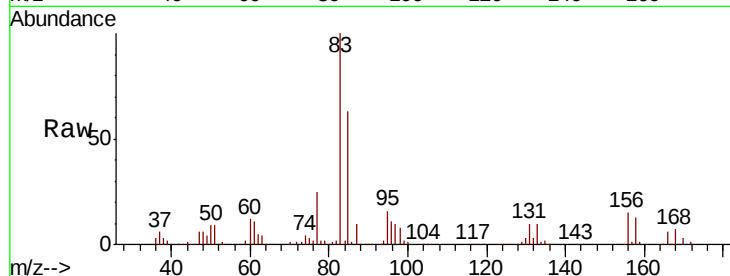
ClientSampleId :

VSTDCCC050EC

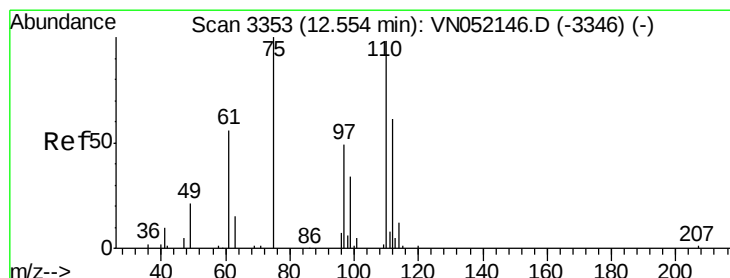
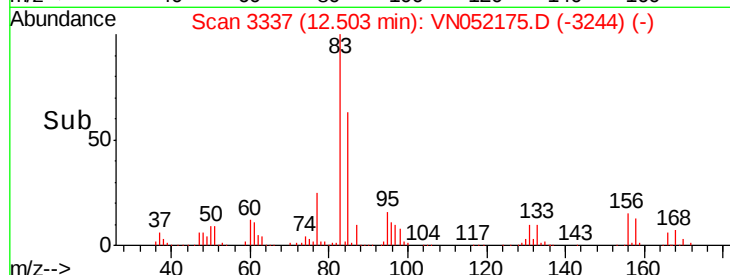
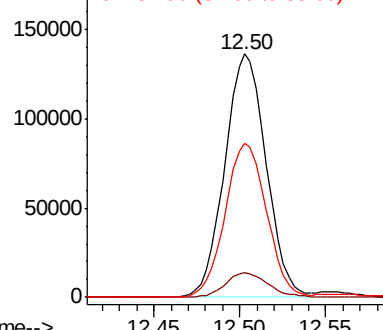
Tot Ion:	83	Resp:	228311
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	14.9
85	63.3	31.8	95.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN052175.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 49.250 ug/l m

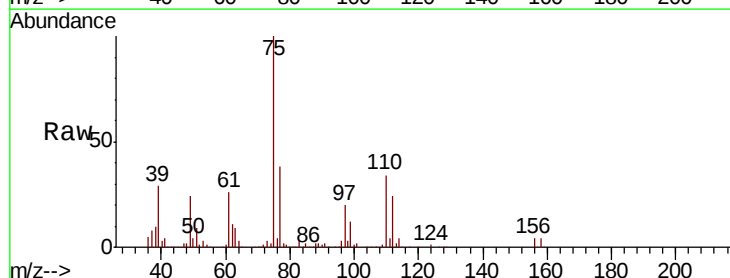
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

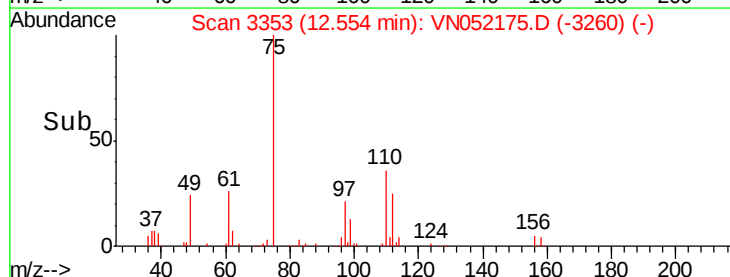
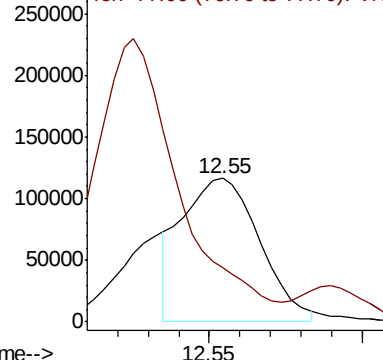
Lab File: VN052175.D

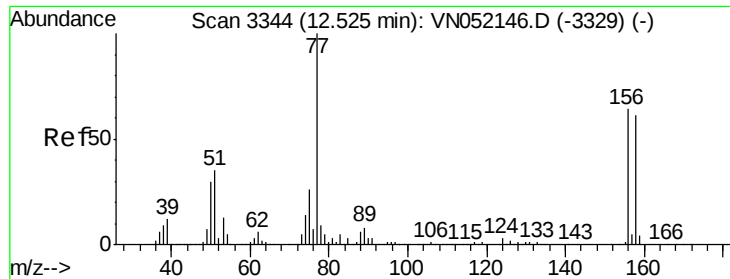
Acq: 6 Nov 2018 3:55

Tgt Ion:	75	Resp:	204245
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052175.D (-3260) (-)





#77

Bromobenzene

Concen: 49.546 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

Instrument :

MSVOA_N

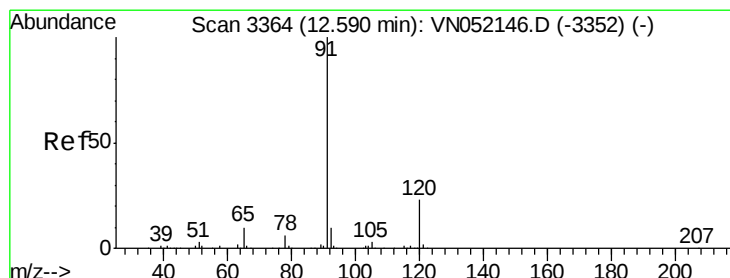
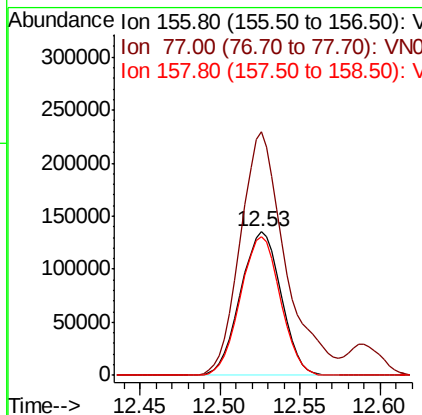
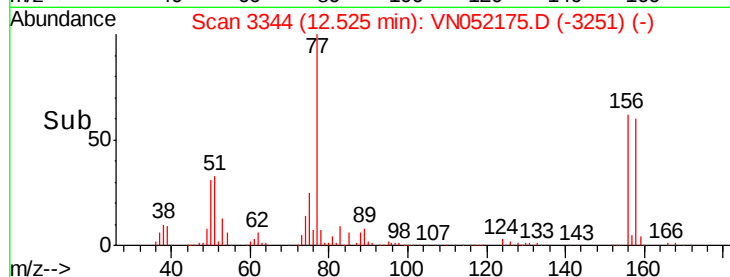
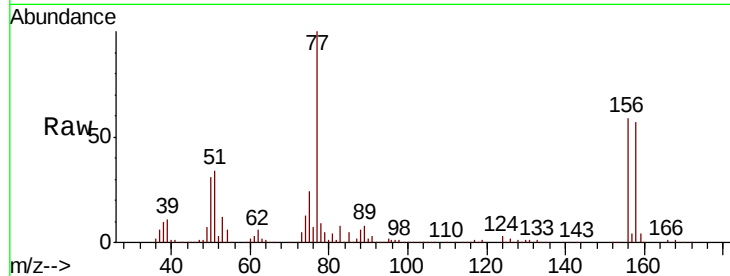
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.1	91.6	274.9
158	95.1	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 49.479 ug/l

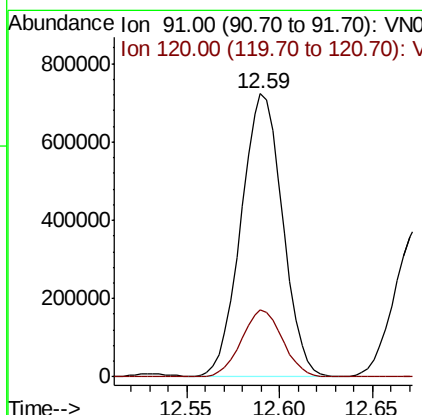
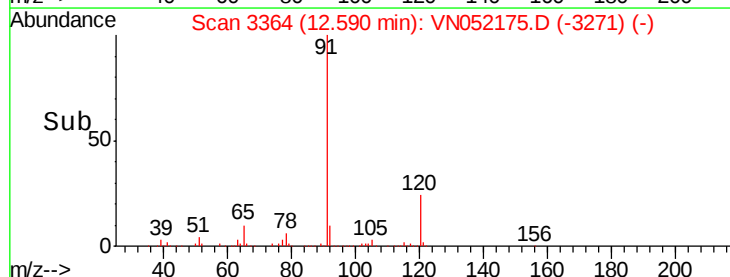
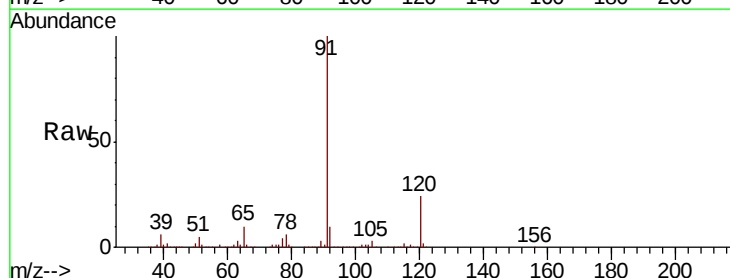
RT: 12.59 min Scan# 3364

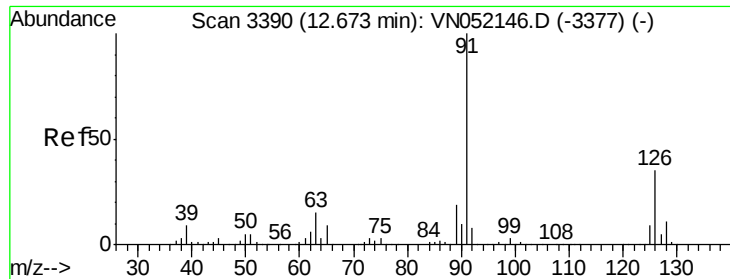
Delta R.T. -0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.7





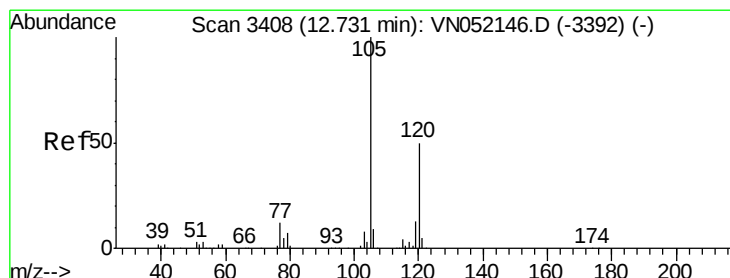
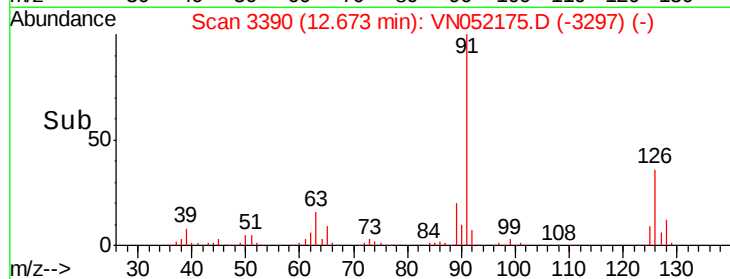
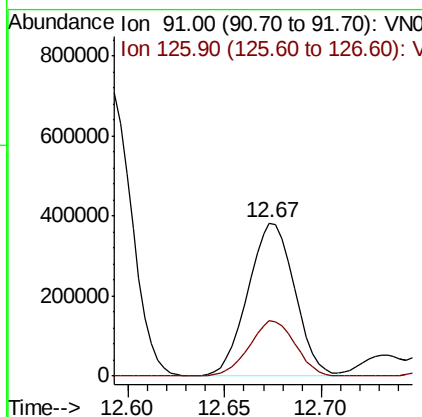
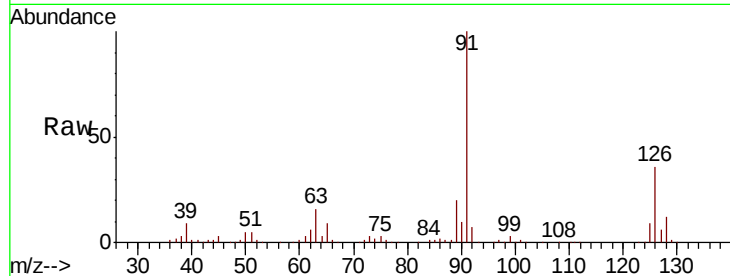
#79
 2-Chlorotoluene
 Concen: 48.240 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 644151
 Ion Ratio Lower Upper
 91 100
 126 35.9 18.0 54.0

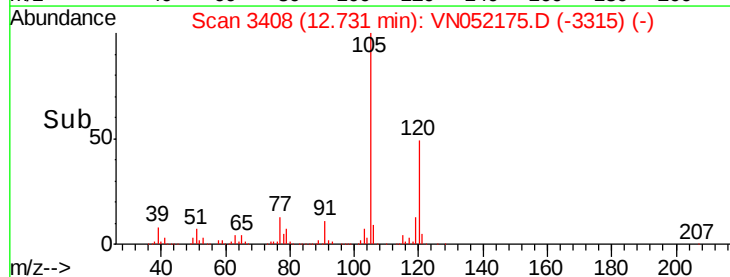
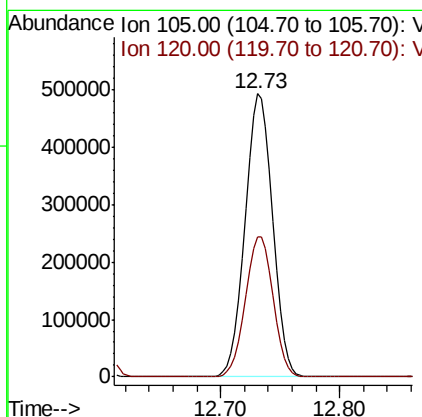
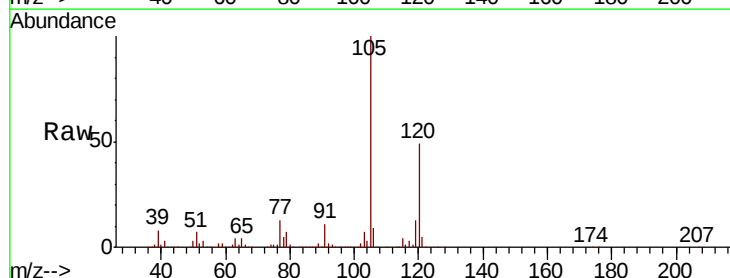
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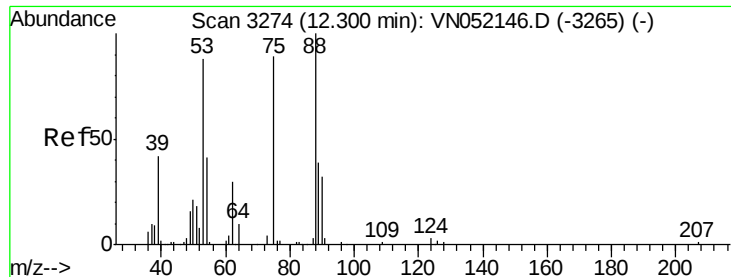
MMDadoda
 11/6/2018 10:00:52 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 48.931 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Tgt Ion: 105 Resp: 789161
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.105 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 59189

Ion Ratio Lower Upper

75 100

53 96.9 79.4 119.0

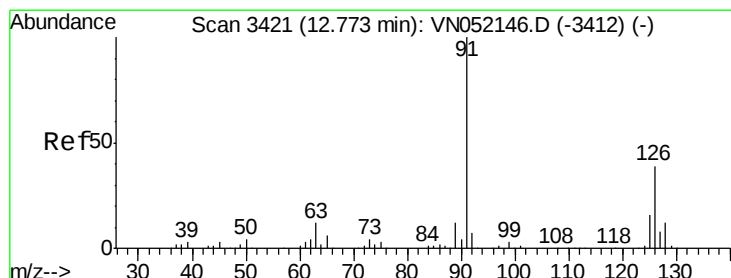
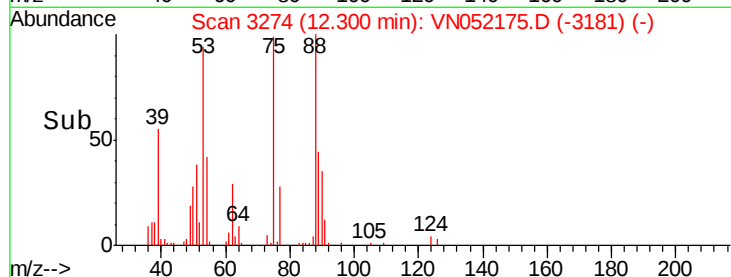
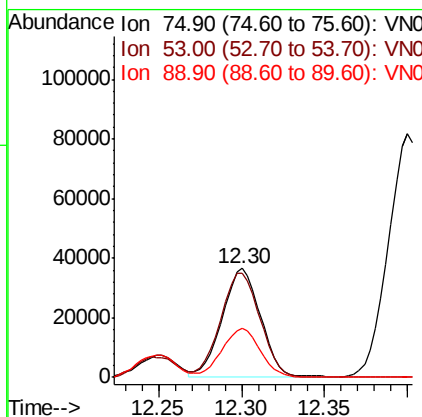
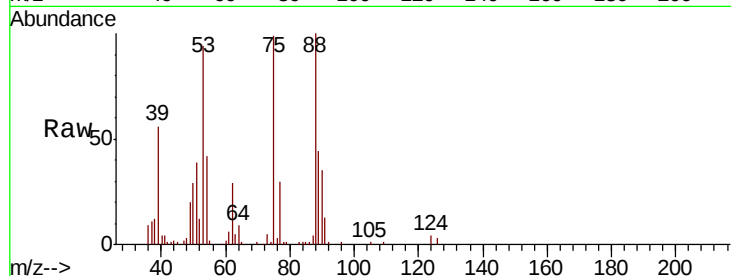
89 44.6 35.8 53.8

Manual Integrations

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#82

4-Chlorotoluene

Concen: 49.050 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052175.D

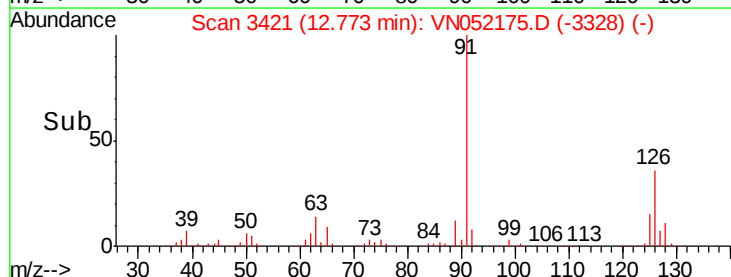
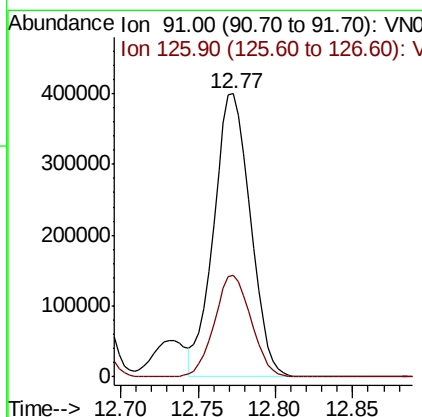
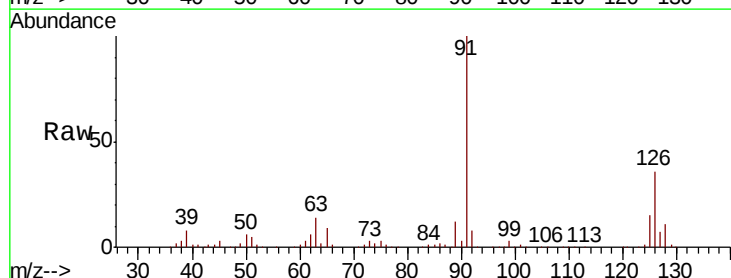
Acq: 6 Nov 2018 3:55

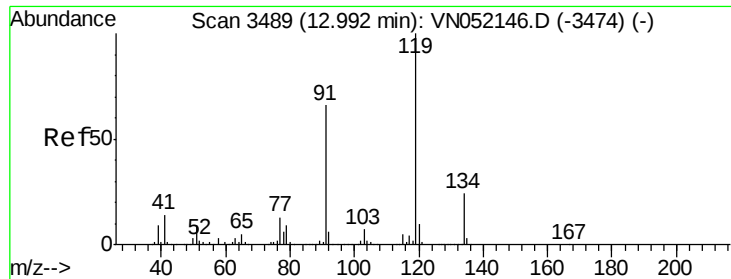
Tgt Ion: 91 Resp: 658298

Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.5





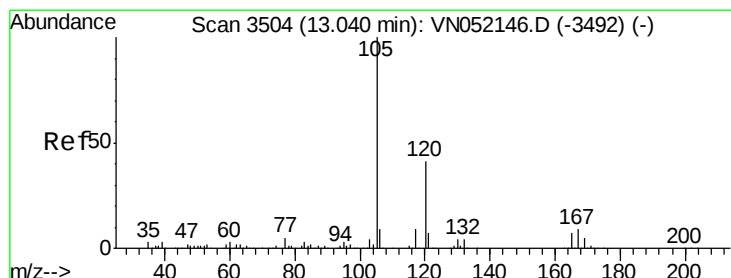
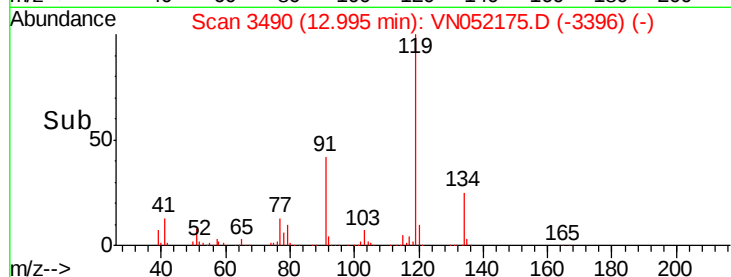
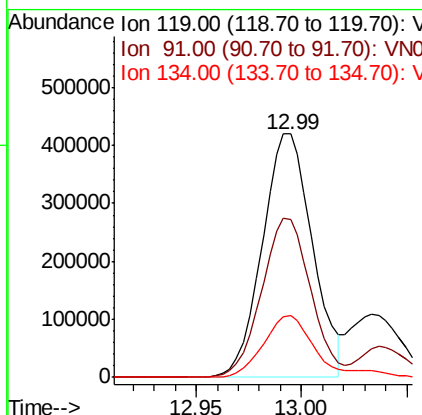
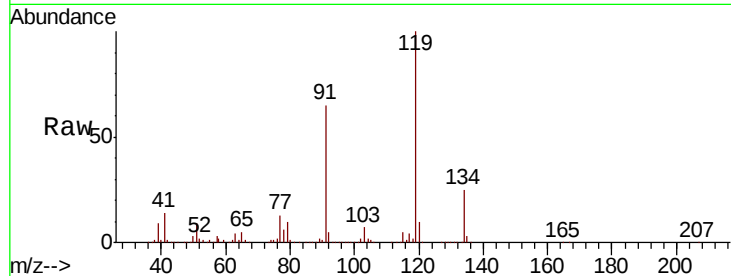
#83
 tert-Butylbenzene
 Concen: 48.633 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	692582		
91	64.1	32.3	96.8	
134	26.8	13.0	38.9	

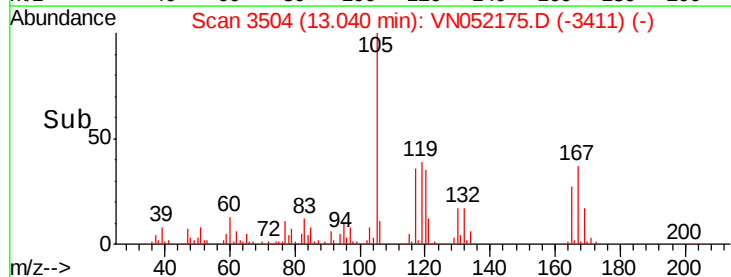
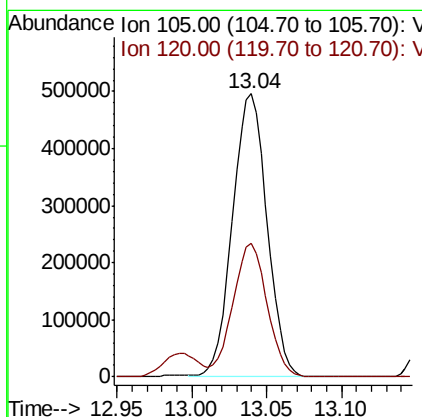
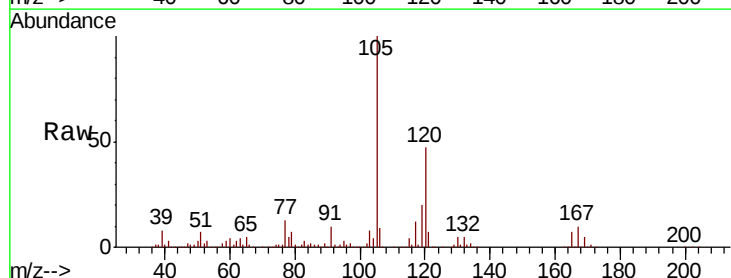
Manual Integrations
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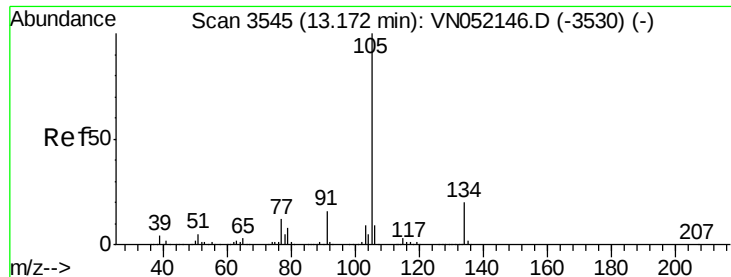
MMDadoda
 11/6/2018 10:00:52 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.581 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	795991		
120	46.7	23.2	69.5	





#85

sec-Butylbenzene

Concen: 48.931 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 942235

Ion Ratio Lower Upper

105 100

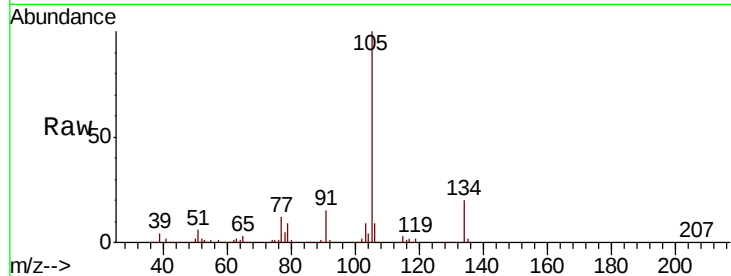
134 20.3 10.2 30.4

Manual Integrations

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11/6/2018 10:00:52 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

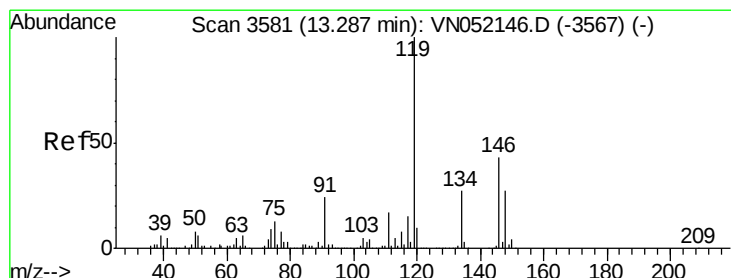
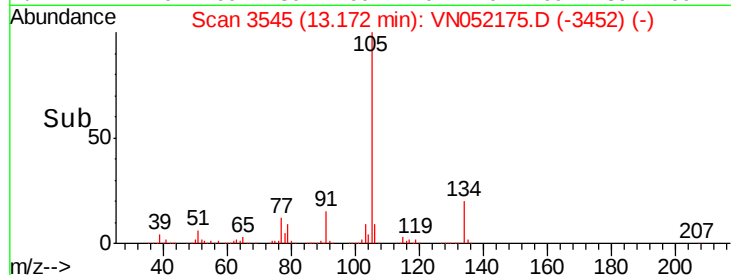
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.527 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

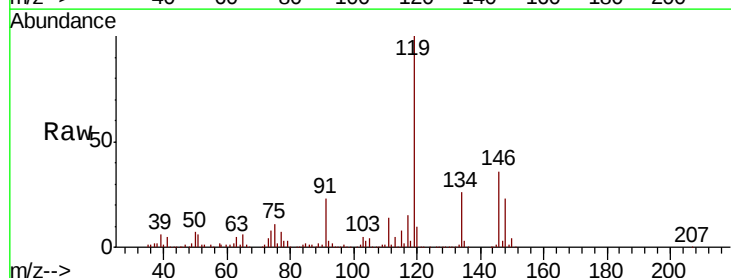
Tgt Ion:119 Resp: 802736

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.5

91 23.7 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

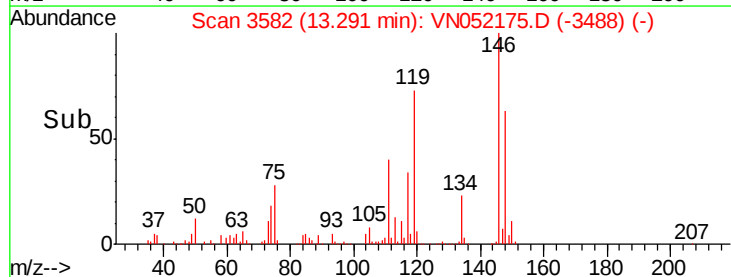
600000

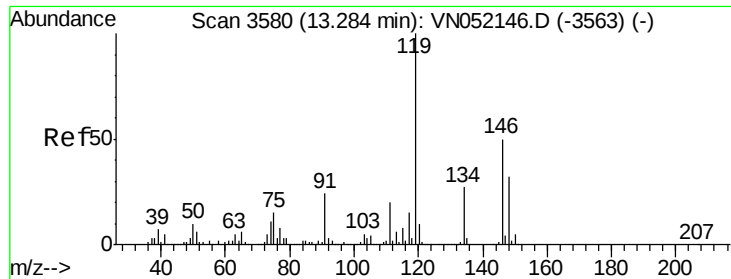
400000

200000

0

Time-->





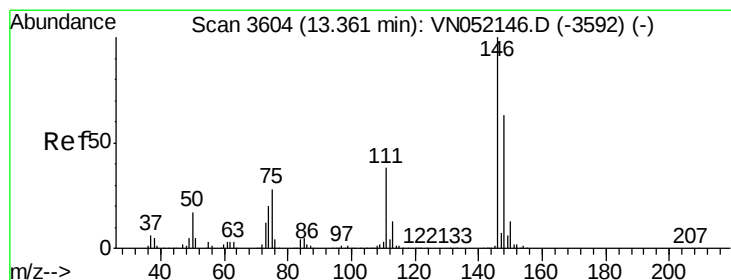
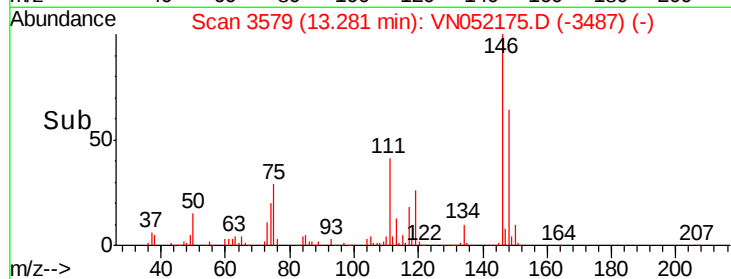
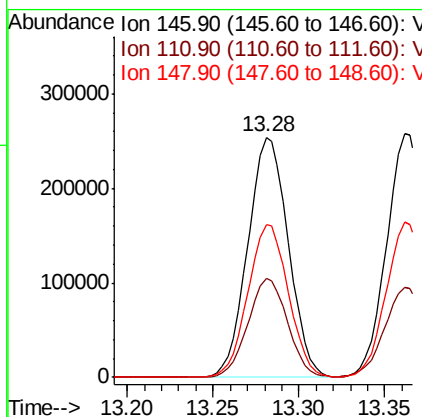
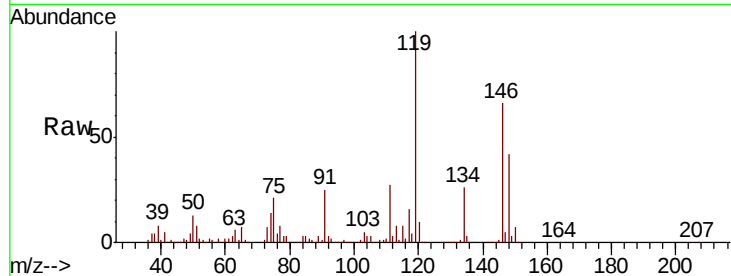
#87
 1,3-Dichlorobenzene
 Concen: 49.355 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	414398		
111	40.4	20.2	60.6	
148	63.5	32.1	96.3	

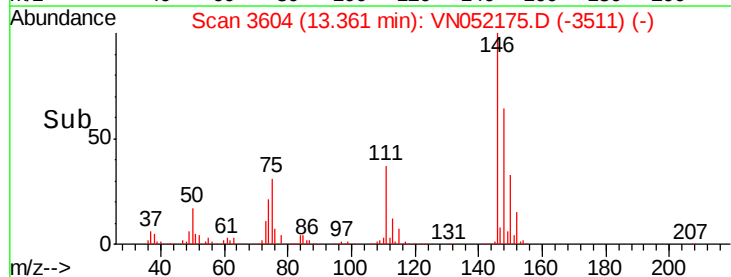
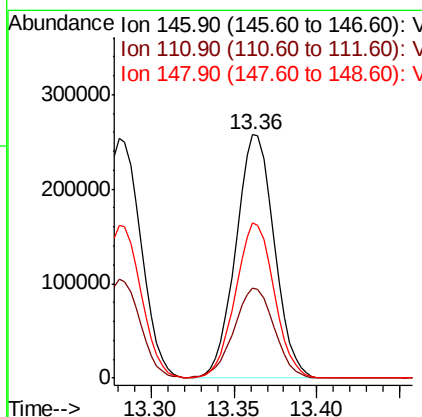
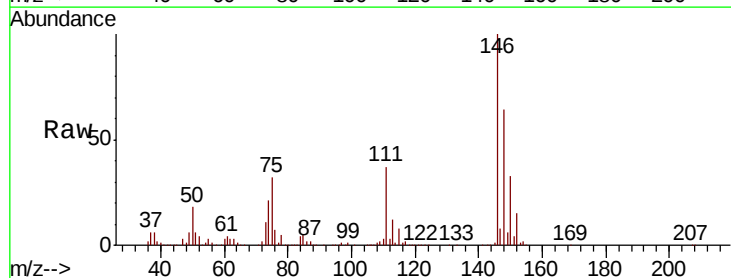
Manual Integrations
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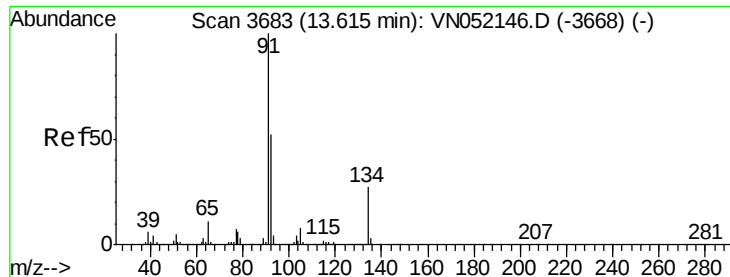
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 11/6/2018 10:00:52 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.604 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	416297		
111	38.8	19.4	58.1	
148	64.0	31.5	94.5	





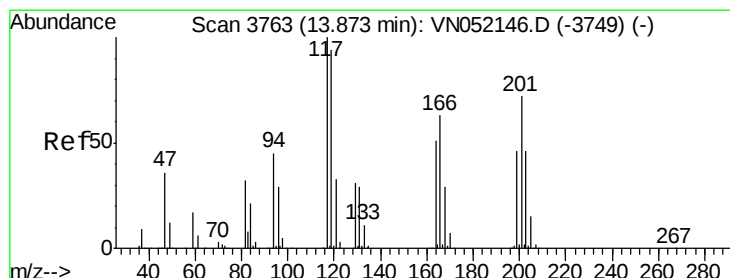
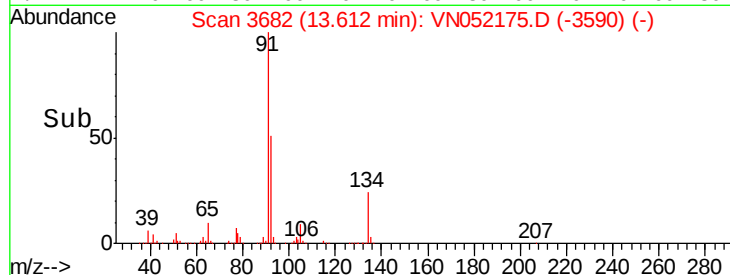
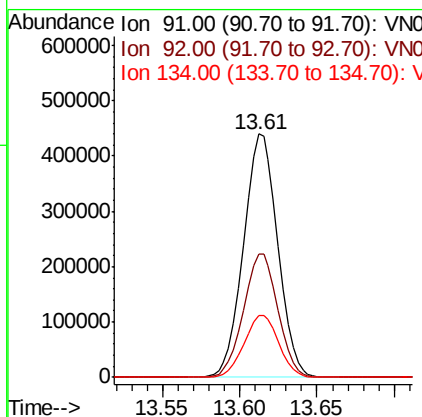
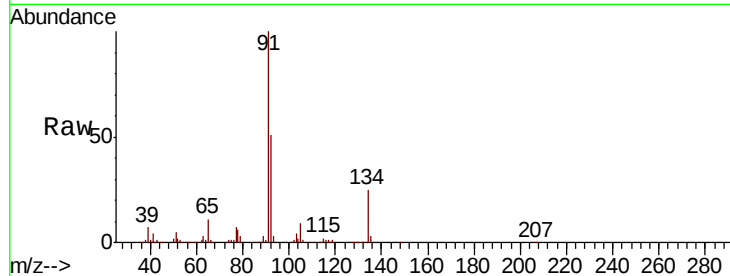
#89
n-Butylbenzene
Concen: 48.150 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.3	78.8
134	25.8	13.4	40.2

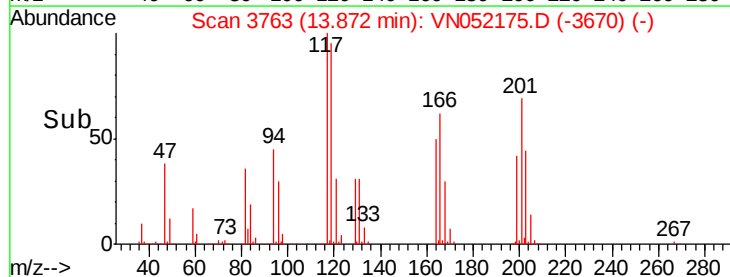
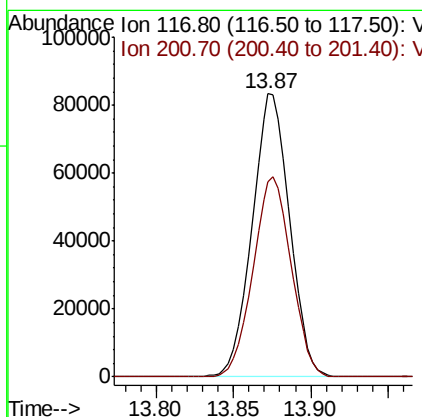
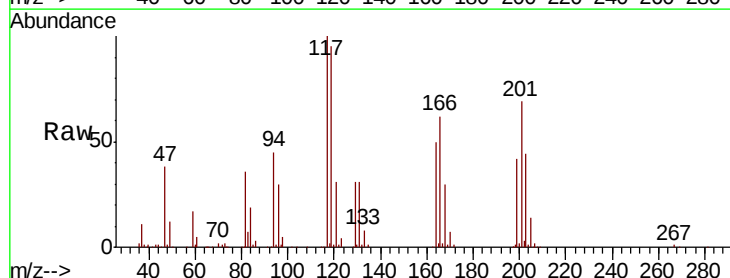
Manual Integrations
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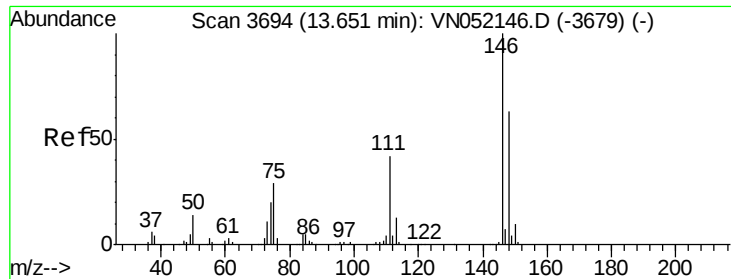
MMDadoda
11/6/2018 10:00:52 AM



#90
Hexachloroethane
Concen: 51.442 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052175.D
Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.9	36.8	110.3





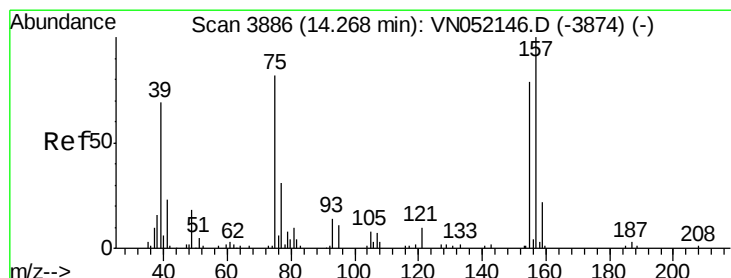
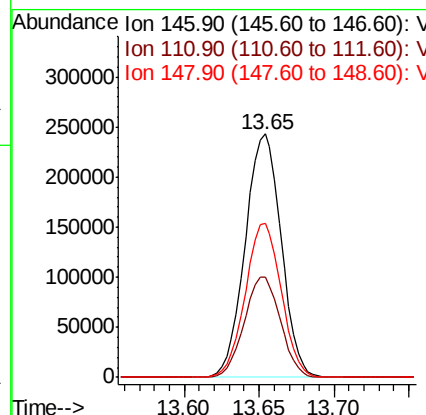
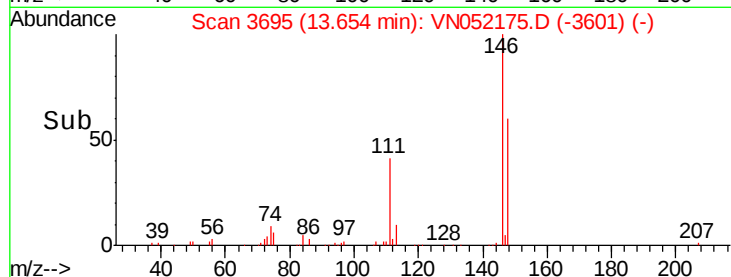
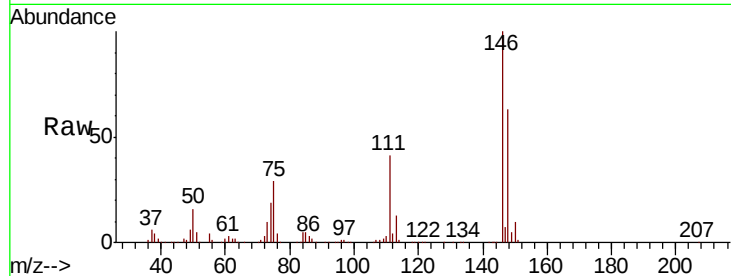
#91
 1,2-Dichlorobenzene
 Concen: 51.777 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.1
148	63.0	31.4	94.3

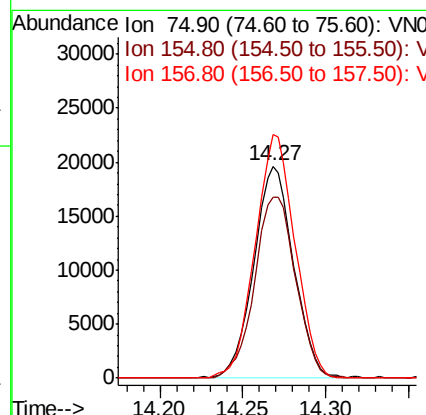
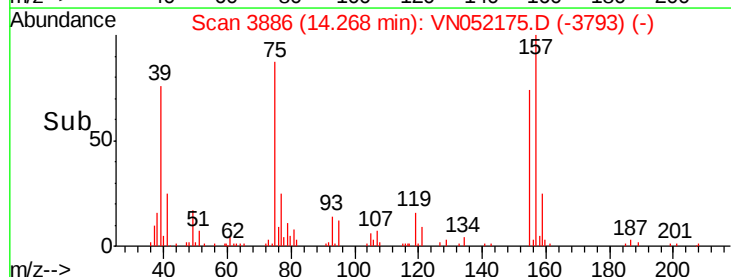
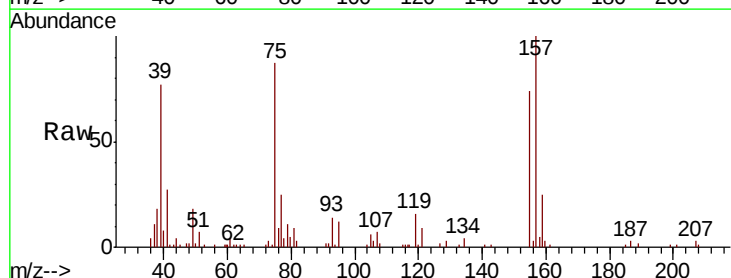
Manual Integrations
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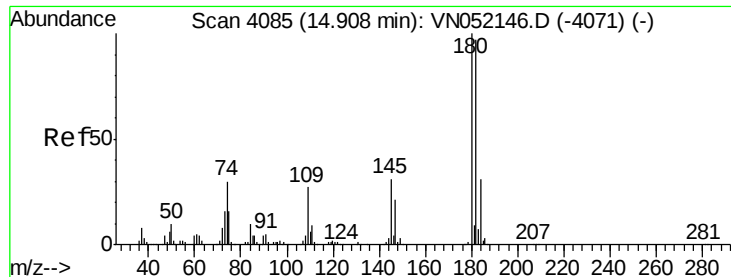
MMDadoda
 11/6/2018 10:00:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.775 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	47.4	142.2
157	114.9	60.3	180.8





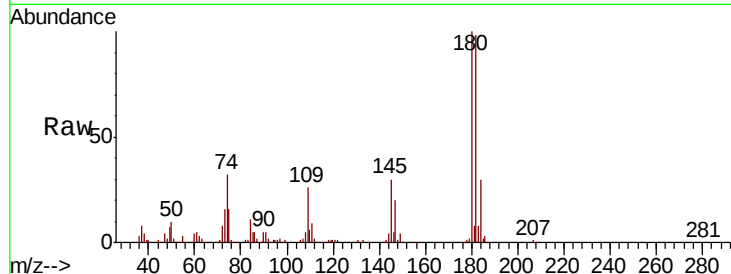
#93
 1,2,4-Trichlorobenzene
 Concen: 46.435 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

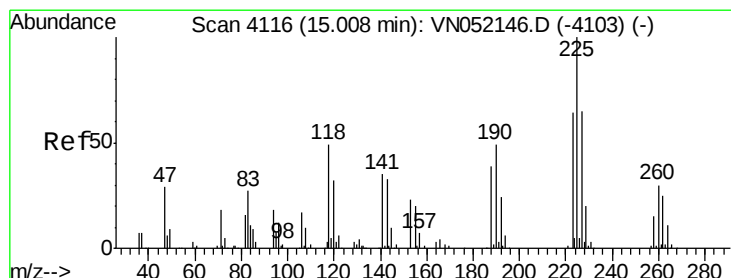
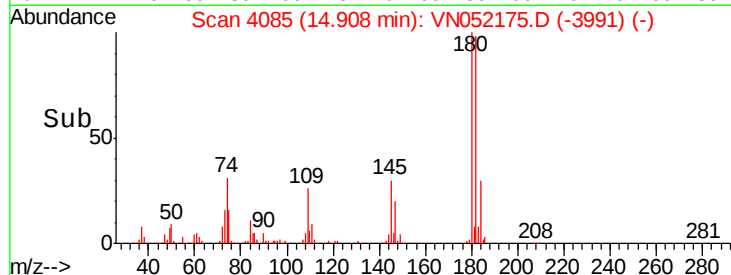
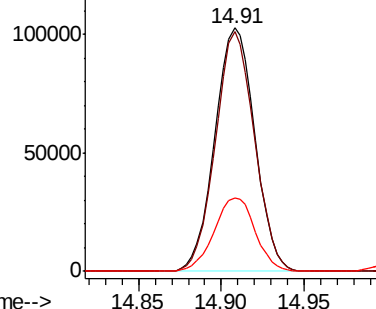
Tot Ion	Ratio	Resp	Lower	Upper
180	100	171945		
182	95.9	48.1	144.4	
145	30.9	15.3	45.9	

Manual Integrations
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 11/6/2018 10:00:52 AM

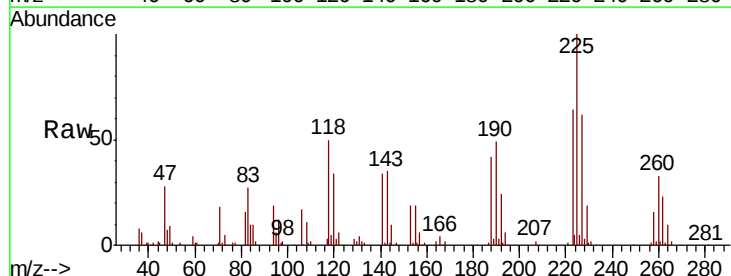


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

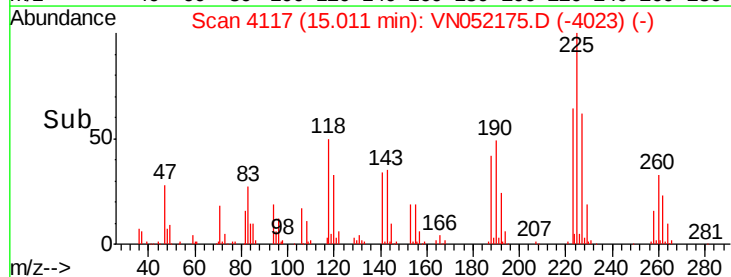
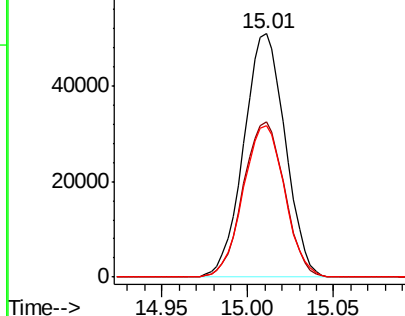


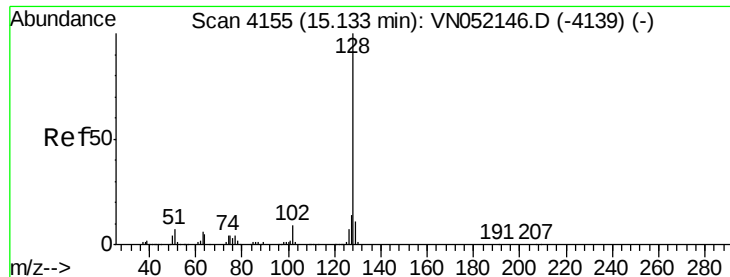
#94
 Hexachlorobutadiene
 Concen: 46.071 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052175.D
 Acq: 6 Nov 2018 3:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	85360		
223	63.6	32.3	96.8	
227	62.4	31.6	94.8	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 54.057 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

Instrument :

MSVOA_N

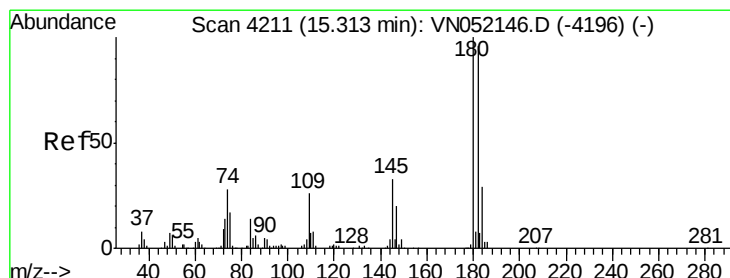
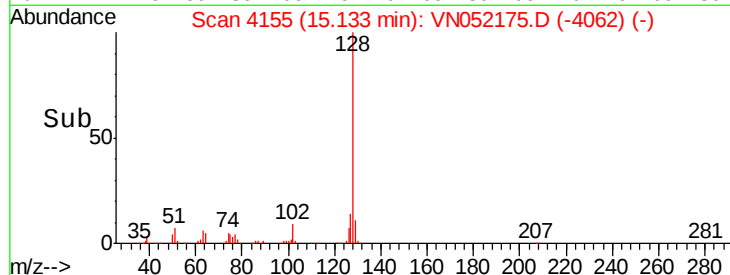
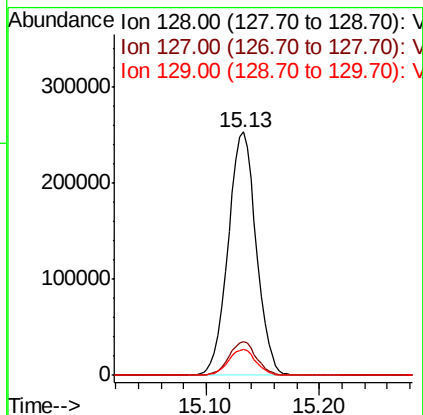
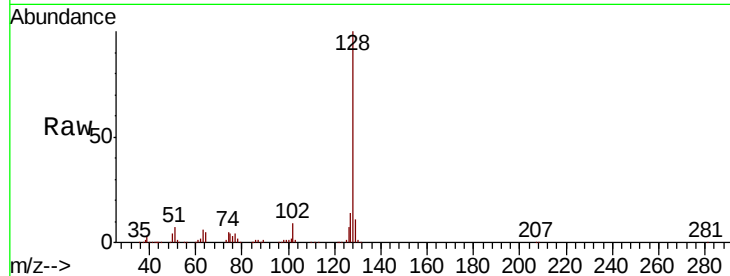
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	436212
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.8	16.2
129	10.5	9.1	13.7

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11/6/2018 10:00:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.528 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052175.D

Acq: 6 Nov 2018 3:55

Tgt Ion:	180	Resp:	161766
Ion Ratio	Lower	Upper	
180	100		
182	91.2	46.6	139.7
145	31.6	16.7	50.0

