

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091718\
 Data File : VN051267.D
 Acq On : 17 Sep 2018 11:35
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 4:57:50 PM

Quant Time: Sep 18 05:41:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	585138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	798208	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	717687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	370692	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	313325	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
35) Dibromofluoromethane	7.59	113	310968	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.09	98	1175890	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.40	95	379286	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	295167	51.40	ug/l	100
3) Chloromethane	2.06	50	375543	46.47	ug/l	100
4) Vinyl Chloride	2.18	62	382383	49.06	ug/l	100
5) Bromomethane	2.56	94	223513	42.84	ug/l	100
6) Chloroethane	2.70	64	228186	47.55	ug/l	100
7) Trichlorofluoromethane	3.01	101	523931	50.44	ug/l	100
8) Diethyl Ether	3.41	74	178133	47.49	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	325866	48.94	ug/l	100
10) Methyl Iodide	3.95	142	316688	54.74	ug/l	100
11) Tert butyl alcohol	4.79	59	92618	191.78	ug/l	100
12) 1,1-Dichloroethene	3.74	96	300260	48.07	ug/l	100
13) Acrolein	3.61	56	138433	244.56	ug/l	100
14) Allyl chloride	4.32	41	461087	48.66	ug/l	100
15) Acrylonitrile	4.99	53	502205	230.41	ug/l	100
16) Acetone	3.82	43	373229	207.71	ug/l	100
17) Carbon Disulfide	4.05	76	931125	45.13	ug/l	100
18) Methyl Acetate	4.33	43	224280	43.33	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	775973	47.54	ug/l	100
20) Methylene Chloride	4.55	84	343244	47.58	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	327185	48.19	ug/l	100
22) Diisopropyl ether	5.95	45	939123	50.00	ug/l	100
23) Vinyl Acetate	5.90	43	3104637	245.40	ug/l	100
24) 1,1-Dichloroethane	5.85	63	589218	49.13	ug/l	100
25) 2-Butanone	6.84	43	523481	208.91	ug/l	100
26) 2,2-Dichloropropane	6.83	77	475433	48.45	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	358812	48.37	ug/l	100
28) Bromochloromethane	7.20	49	243386	46.31	ug/l	100
29) Tetrahydrofuran	7.21	42	346522	221.16	ug/l	100
30) Chloroform	7.37	83	585062	49.05	ug/l	100
31) Cyclohexane	7.66	56	525393	43.44	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	512301	50.18	ug/l	100
36) 1,1-Dichloropropene	7.79	75	457257	51.72	ug/l	100
37) Ethyl Acetate	6.93	43	236674	47.18	ug/l	100
38) Carbon Tetrachloride	7.78	117	468895	53.40	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	515082	52.91	ug/l	100
40) Benzene	8.04	78	1365849	51.36	ug/l	100
41) Methacrylonitrile	7.18	41	132384	50.05	ug/l	100
42) 1,2-Dichloroethane	8.13	62	394176	50.82	ug/l	100
43) Isopropyl Acetate	8.17	43	413512	46.76	ug/l	100
44) Trichloroethene	8.84	130	372448	51.05	ug/l	100
45) 1,2-Dichloropropane	9.12	63	348808	50.85	ug/l	100
46) Dibromomethane	9.21	93	207857	49.59	ug/l	100
47) Bromodichloromethane	9.40	83	451991	52.79	ug/l	100
48) Methyl methacrylate	9.20	41	208135	48.21	ug/l	100
49) 1,4-Dioxane	9.20	88	59624	885.97	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1135760	232.54	ug/l	100
52) Toluene	10.16	92	848949	52.38	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	442454	52.06	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	523992	52.43	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	294576	50.22	ug/l	100
56) Ethyl methacrylate	10.43	69	351953	50.71	ug/l	100
57) 1,3-Dichloropropane	10.71	76	489262	50.38	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	809696	280.90	ug/l	100
59) 2-Hexanone	10.75	43	738072	223.87	ug/l	100
60) Dibromochloromethane	10.90	129	353745	53.01	ug/l	100
61) 1,2-Dibromoethane	11.00	107	294314	51.20	ug/l	100
64) Tetrachloroethene	10.63	164	346143	51.99	ug/l	100
65) Chlorobenzene	11.43	112	928137	50.92	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	351043	53.15	ug/l	100
67) Ethyl Benzene	11.51	91	1569987	53.22	ug/l	100
68) m/p-Xylenes	11.62	106	1242460	109.46	ug/l	100
69) o-Xylene	11.95	106	598468	54.43	ug/l	100
70) Styrene	11.96	104	954582	56.06	ug/l	100
71) Bromoform	12.13	173	242618	52.50	ug/l #	100
73) Isopropylbenzene	12.25	105	1548353	49.62	ug/l	100
74) N-amyl acetate	12.07	43	329854	43.07	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	350115	42.45	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	277819m	41.91	ug/l	
77) Bromobenzene	12.53	156	403033	47.96	ug/l	100
78) n-propylbenzene	12.59	91	1733140	50.52	ug/l	100
79) 2-Chlorotoluene	12.67	91	1039504	48.48	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1288354	50.99	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	87907	45.68	ug/l	100
82) 4-Chlorotoluene	12.77	91	1030474	48.51	ug/l	100
83) tert-Butylbenzene	12.99	119	1107225	49.69	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1292323	52.06	ug/l	100
85) sec-Butylbenzene	13.17	105	1446363	50.57	ug/l	100
86) p-Isopropyltoluene	13.29	119	1275629	52.66	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	684025	48.11	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	663096	47.37	ug/l	100
89) n-Butylbenzene	13.62	91	967274	51.61	ug/l	100
90) Hexachloroethane	13.88	117	233802	46.93	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	660615	47.76	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46678	39.12	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	280693	47.99	ug/l	100
94) Hexachlorobutadiene	15.01	225	220445	45.00	ug/l	100
95) Naphthalene	15.13	128	498688	40.74	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	279532	45.94	ug/l	100

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

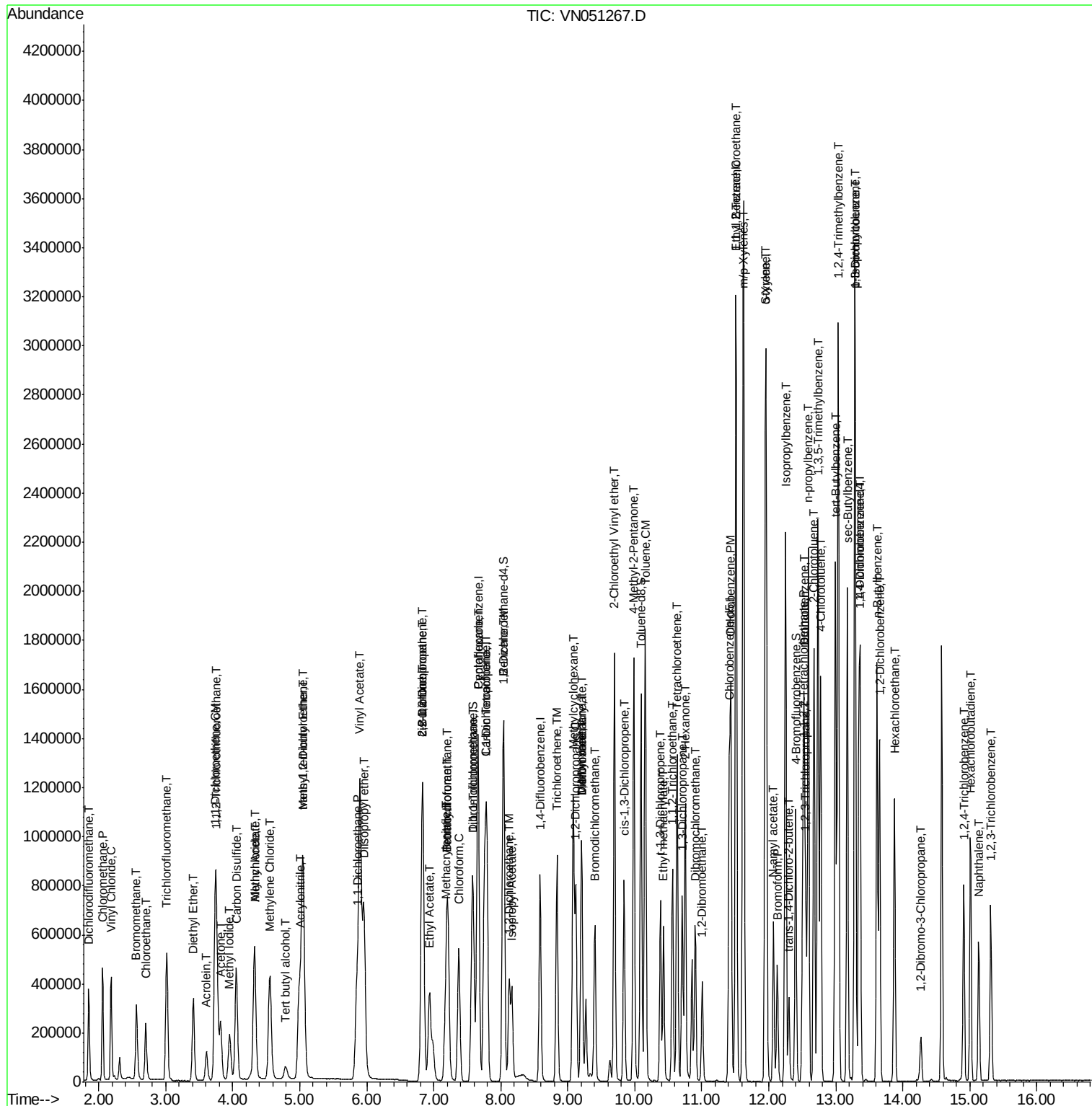
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Data File : VN051267.D
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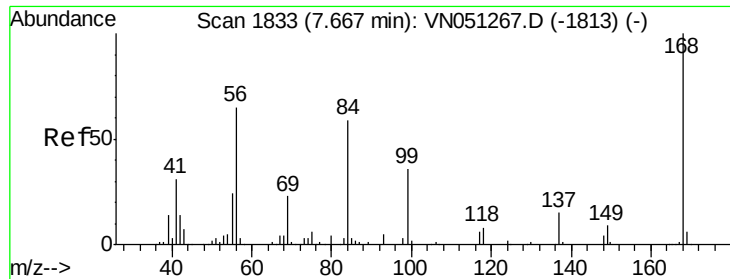
Instrument :
MSVOA_N
ClientSampleId :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 585138

Ion Ratio Lower Upper

168 100

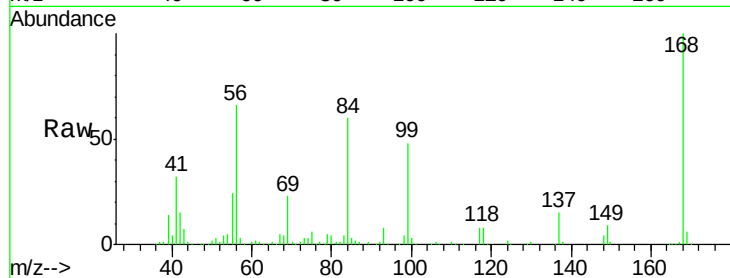
99 47.8 38.2 57.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

250000

200000

150000

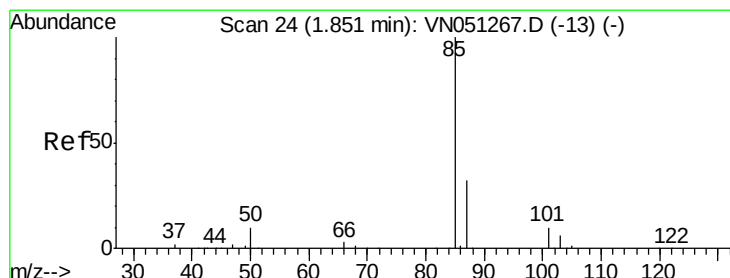
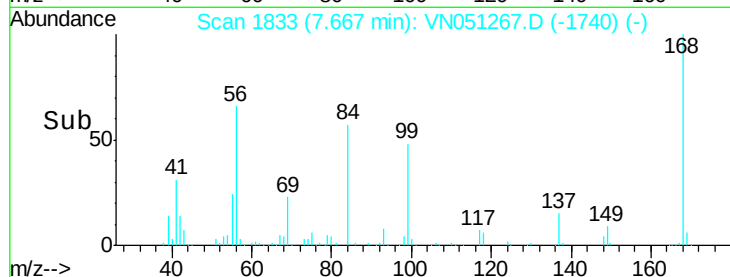
100000

50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 51.40 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051267.D

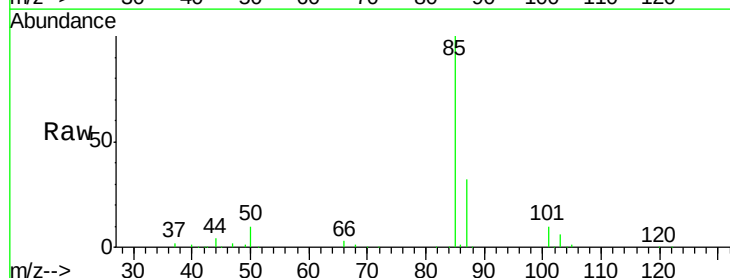
Acq: 17 Sep 2018 11:35

Tgt Ion: 85 Resp: 295167

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

250000

200000

150000

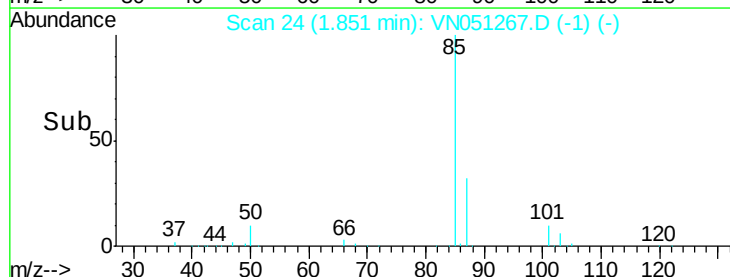
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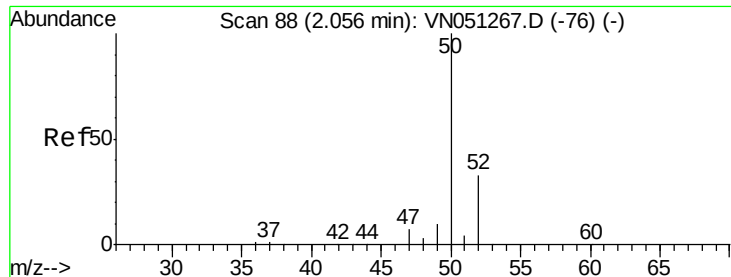
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 46.47 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 375543

Ion Ratio Lower Upper

50 100

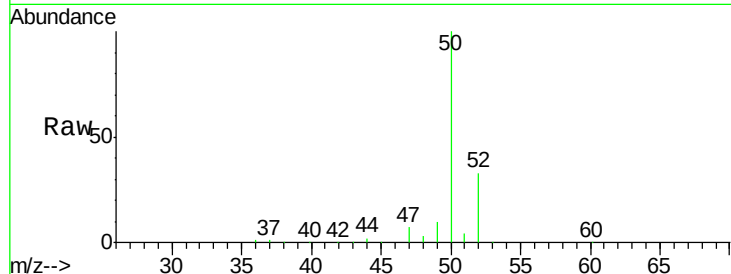
52 33.3 26.6 40.0

Manual Integrations

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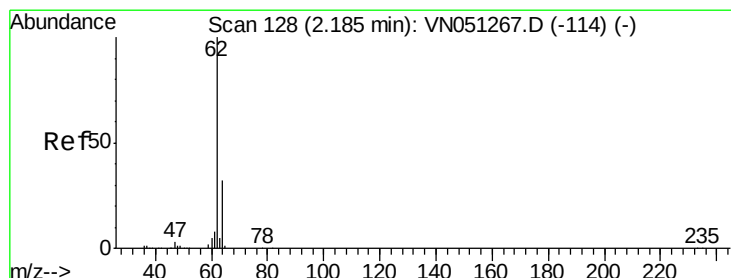
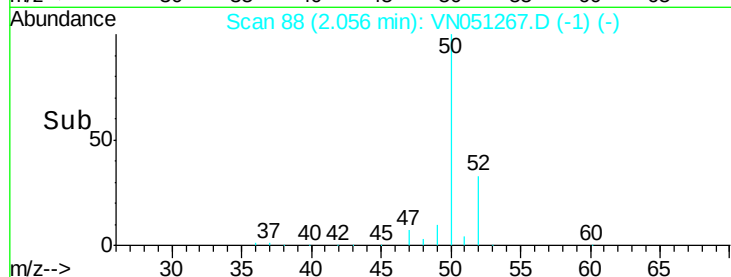
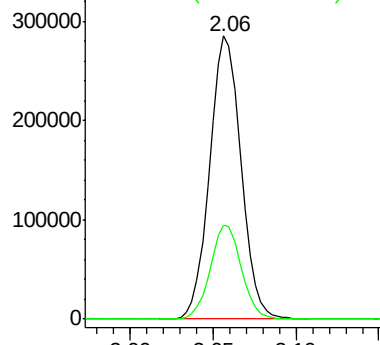
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 49.06 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051267.D

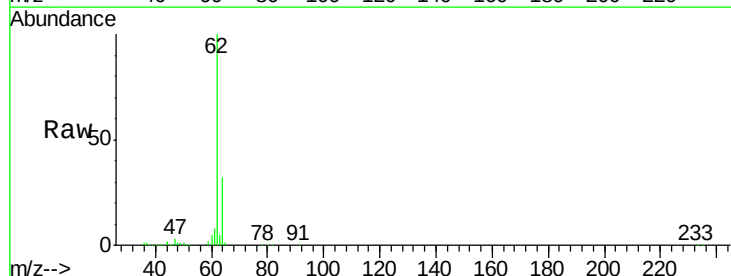
Acq: 17 Sep 2018 11:35

Tgt Ion: 62 Resp: 382383

Ion Ratio Lower Upper

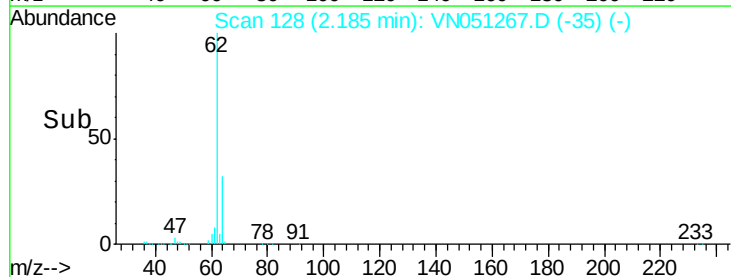
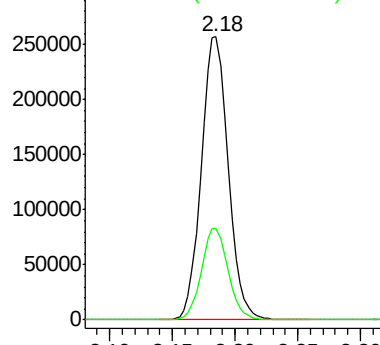
62 100

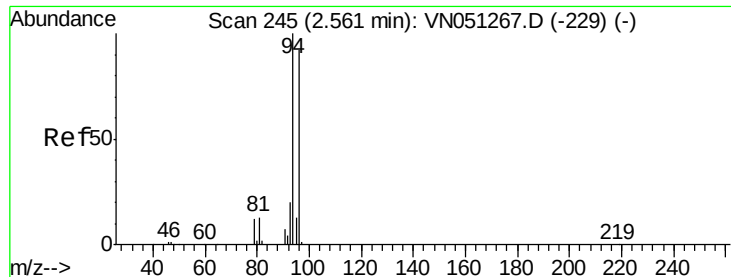
64 32.2 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 42.84 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 223513

Ion Ratio Lower Upper

94 100

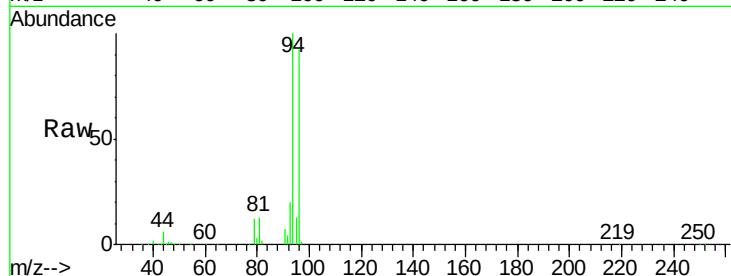
96 92.3 73.8 110.8

Manual Integrations

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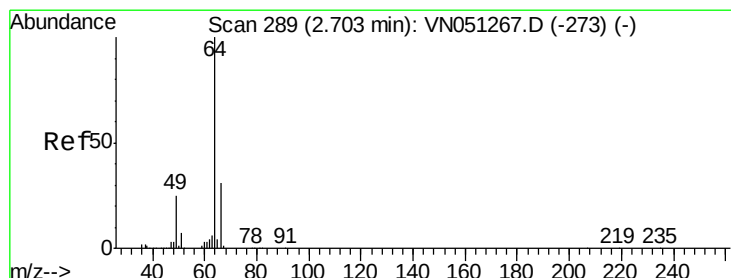
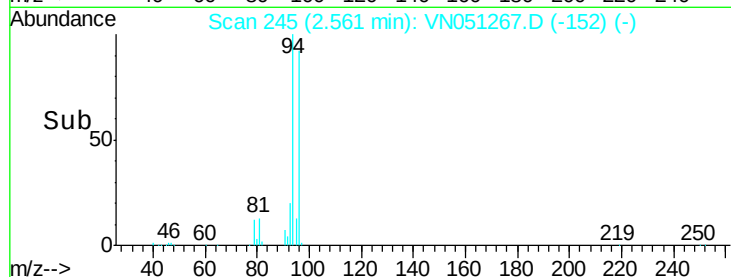
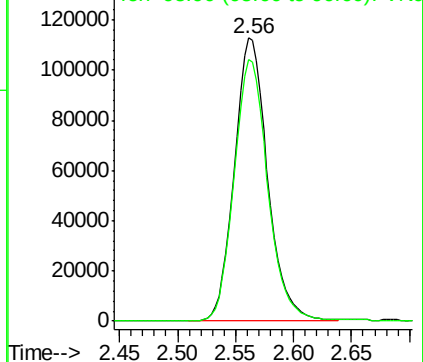
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 47.55 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051267.D

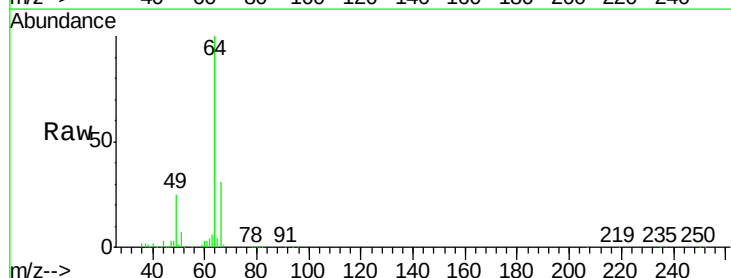
Acq: 17 Sep 2018 11:35

Tgt Ion: 64 Resp: 228186

Ion Ratio Lower Upper

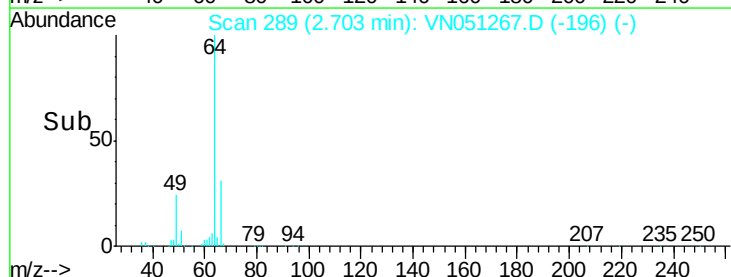
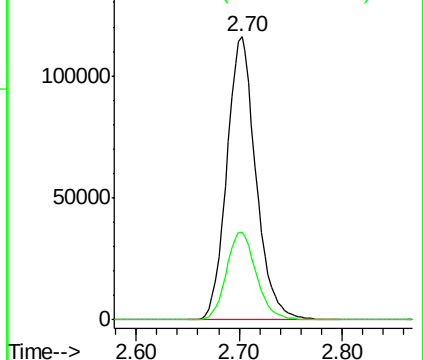
64 100

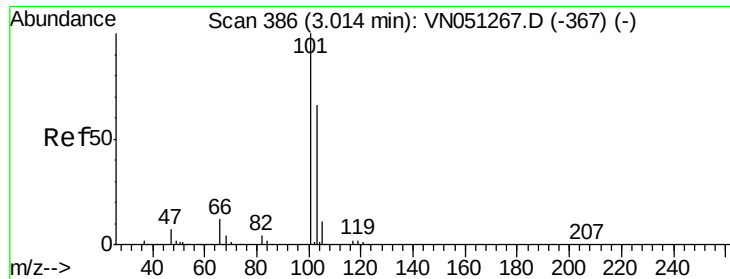
66 31.1 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

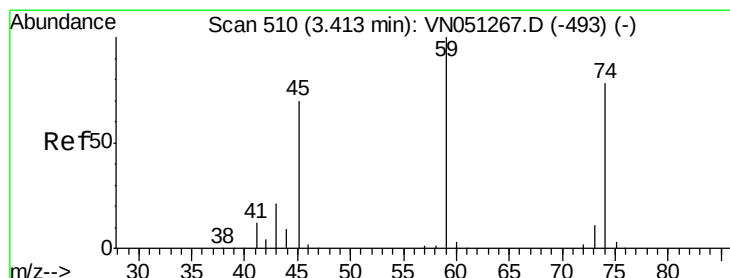
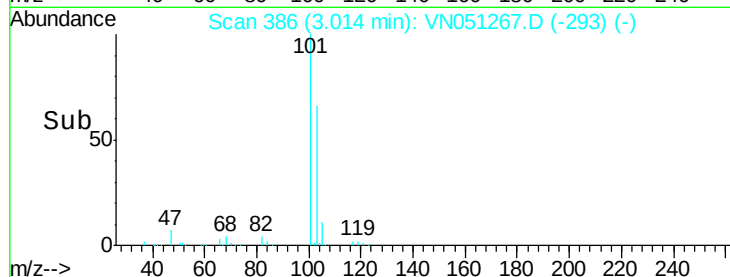
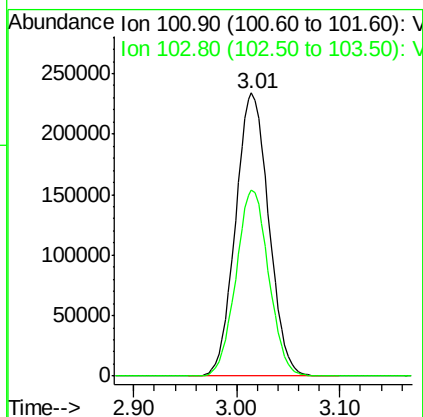
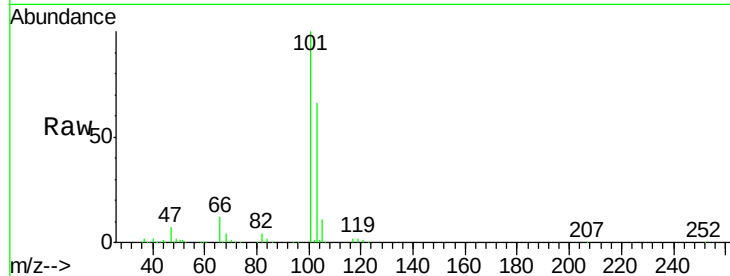
Trichlorofluoromethane
Concen: 50.44 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.7	79.1

Manual Integrations
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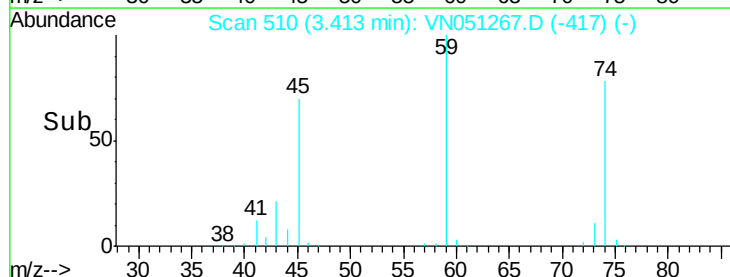
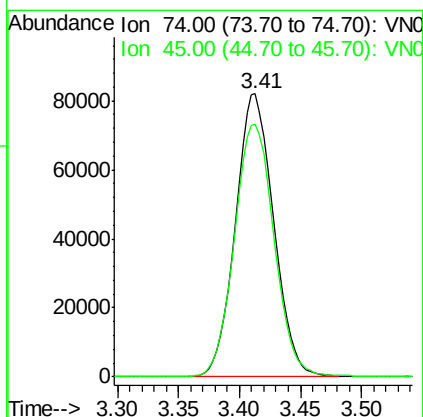
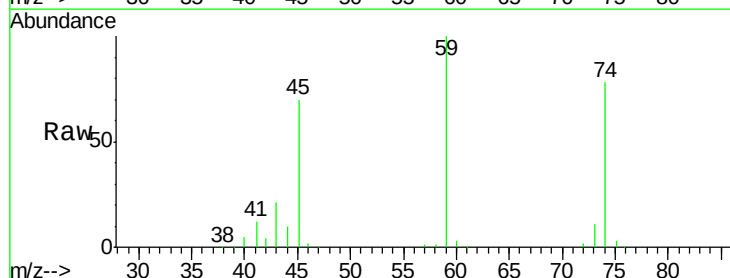
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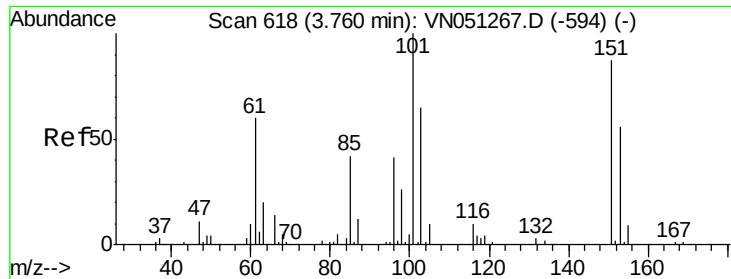


#8

Diethyl Ether
Concen: 47.49 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.8	46.4	139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.94 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Instrument :

MSVOA_N

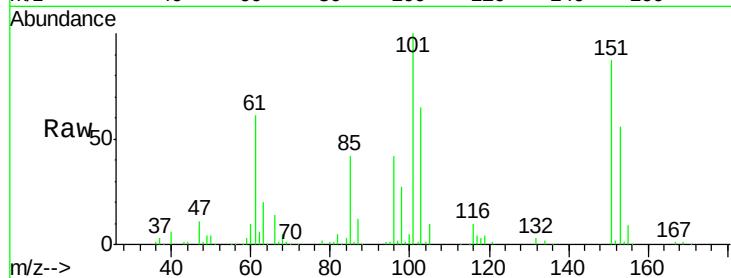
ClientSampled :

VSTDICCC050

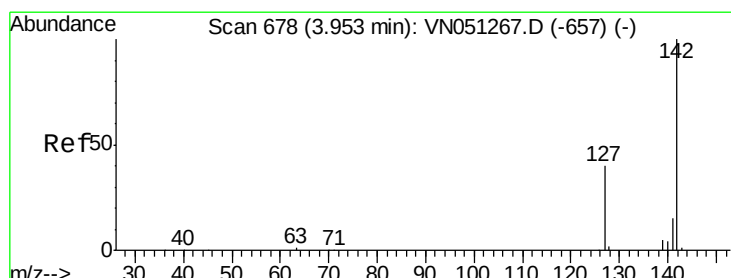
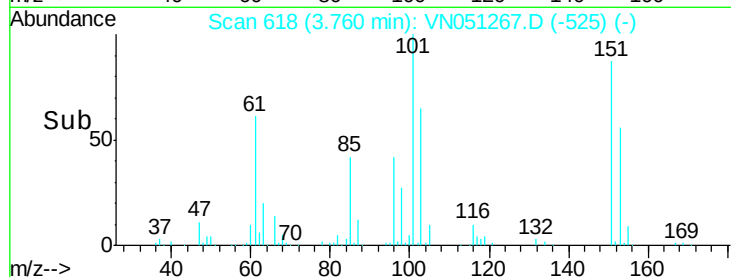
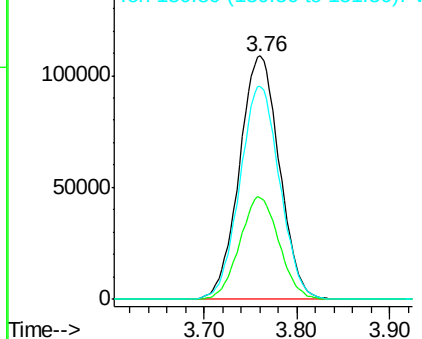
Tot Ion:	101	Resp:	325866
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.0	49.6
151	87.3	69.8	104.8

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



#10

Methyl Iodide

Concen: 54.74 ug/l

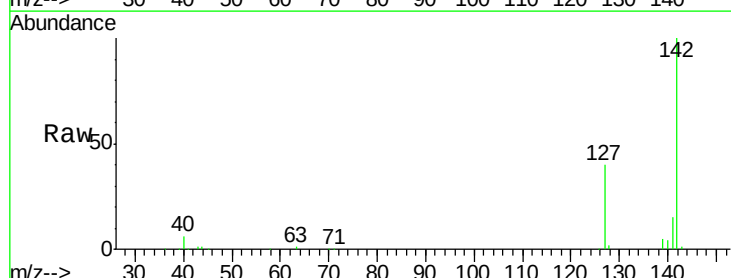
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

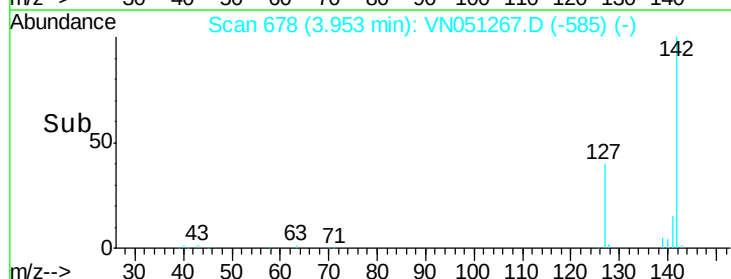
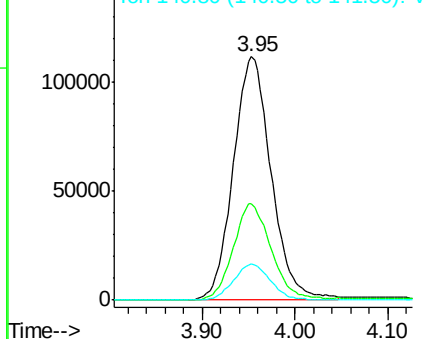
Lab File: VN051267.D

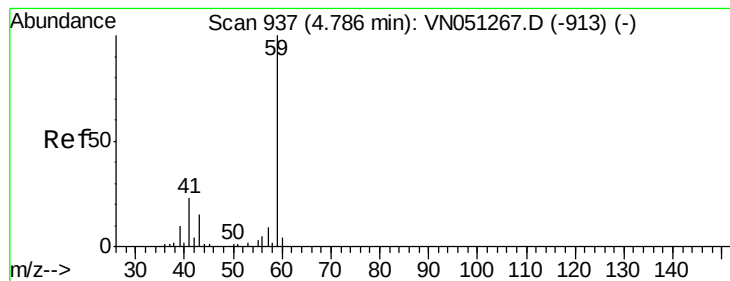
Acq: 17 Sep 2018 11:35

Tgt Ion:	142	Resp:	316688
Ion Ratio	Lower	Upper	
142	100		
127	39.6	31.7	47.5
141	14.5	11.6	17.4



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

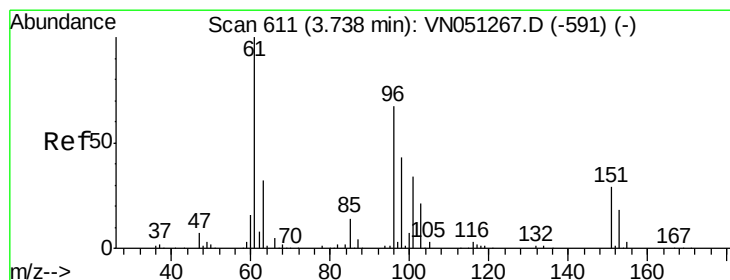
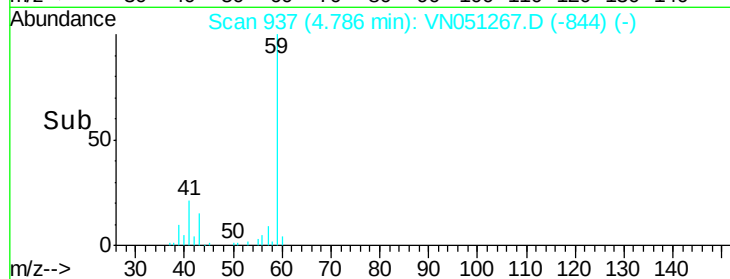
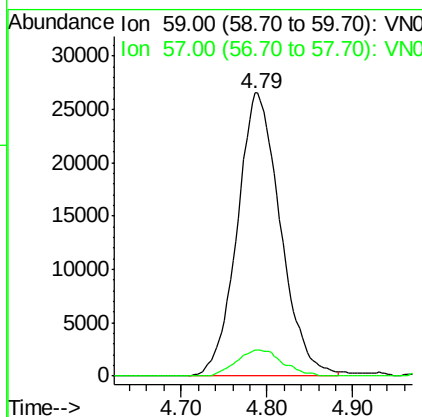
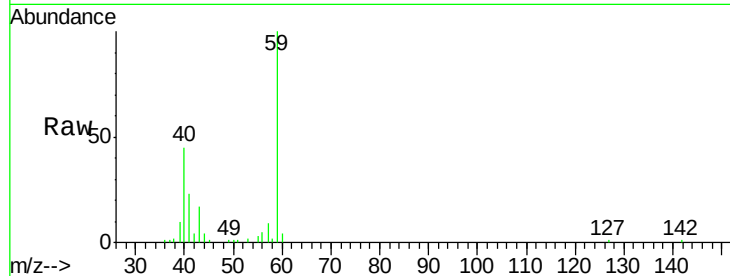
Tert butyl alcohol
 Concen: 191.78 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.9	11.9

Manual Integrations
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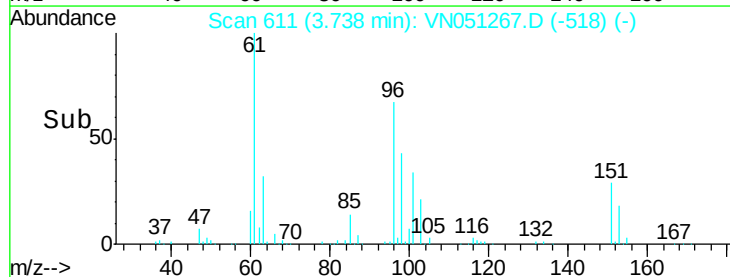
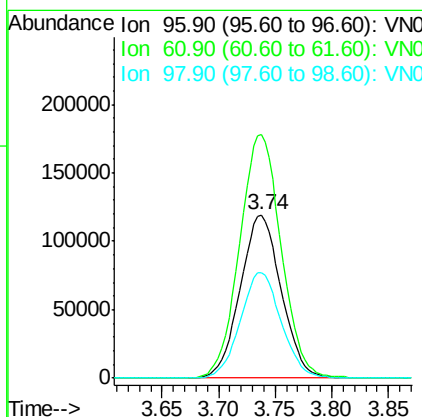
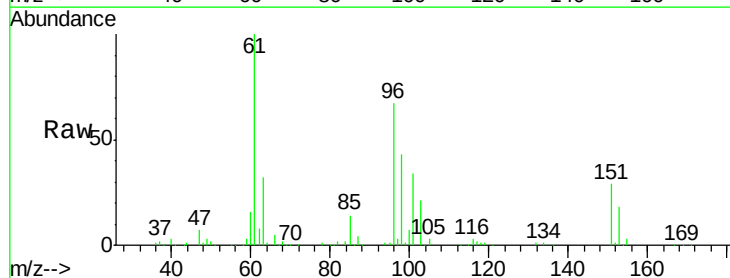
MMDadoda
 9/19/2018 4:57:50 PM

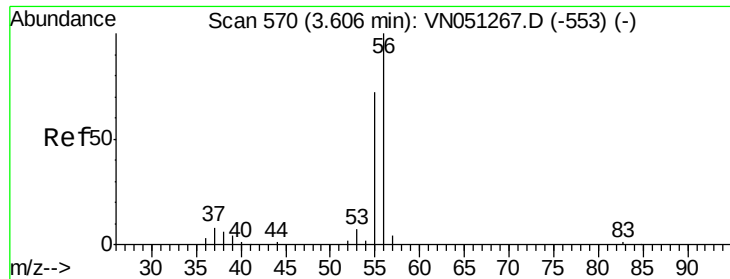


#12

1,1-Dichloroethene
 Concen: 48.07 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.1	119.3	178.9
98	64.7	51.8	77.6





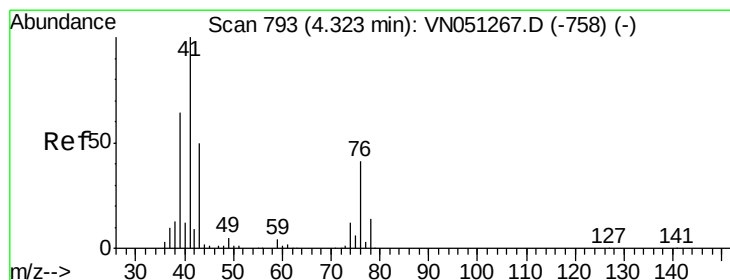
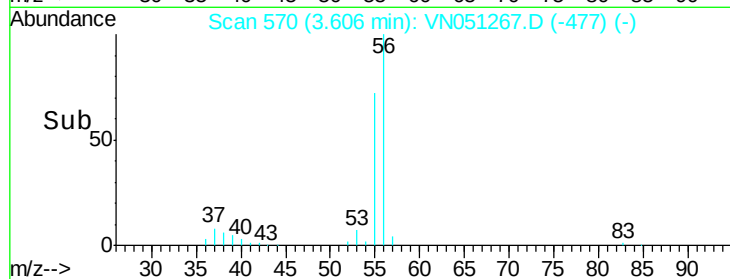
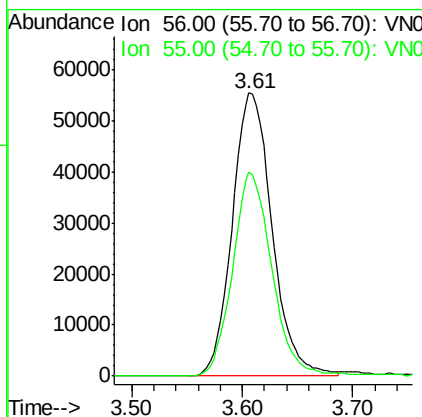
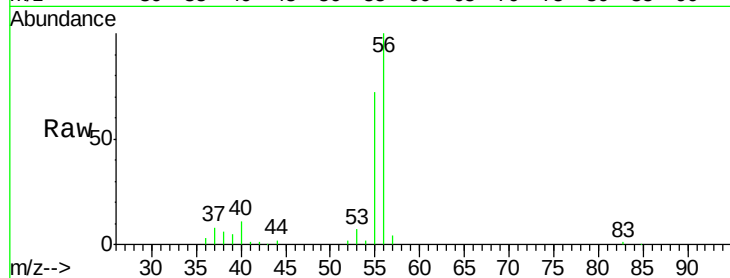
#13
 Acrolein
 Concen: 244.56 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	56	55	Resp	138433	Lower	Upper
Ion Ratio	100	70.5				
					56.4	84.6

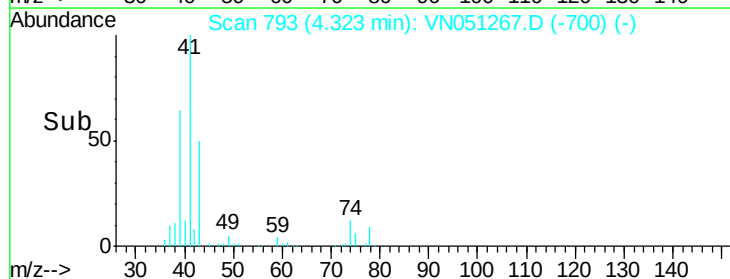
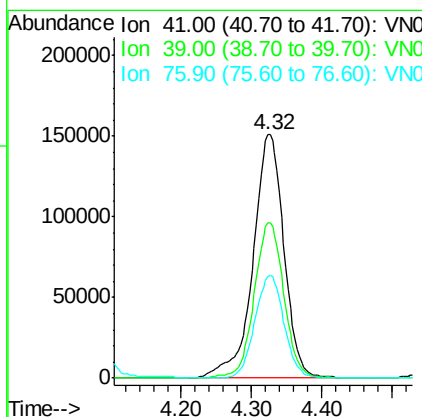
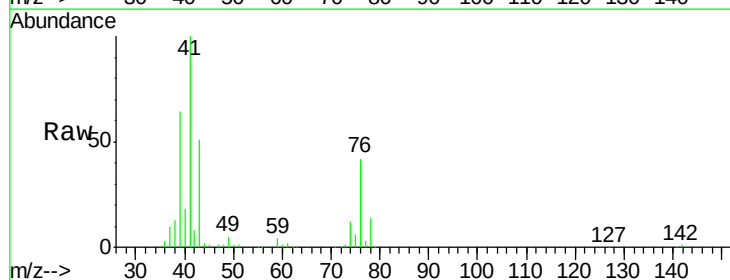
Manual Integrations
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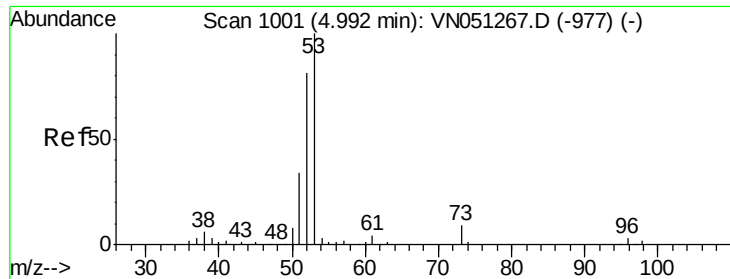
MMDadoda
 9/19/2018 4:57:50 PM



#14
 Allyl chloride
 Concen: 48.66 ug/l
 RT: 4.32 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Tgt Ion	41	39	76	Resp	461087	Lower	Upper
Ion Ratio	100	61.2	39.2				
						49.0	73.4
						31.4	47.0





#15

Acrylonitrile

Concen: 230.41 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Instrument :

MSVOA_N

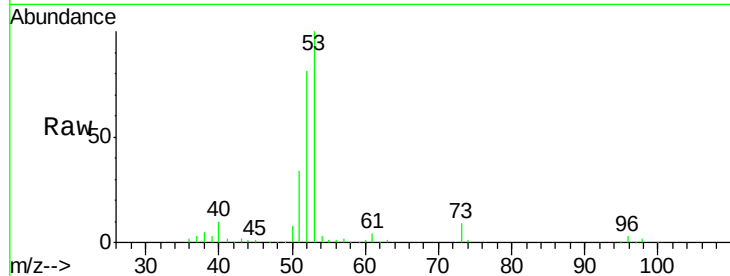
ClientSampleId :

VSTDICCC050

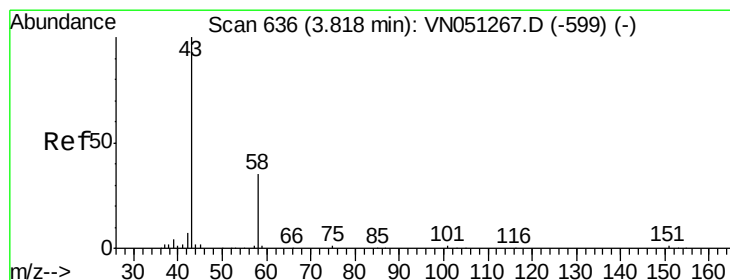
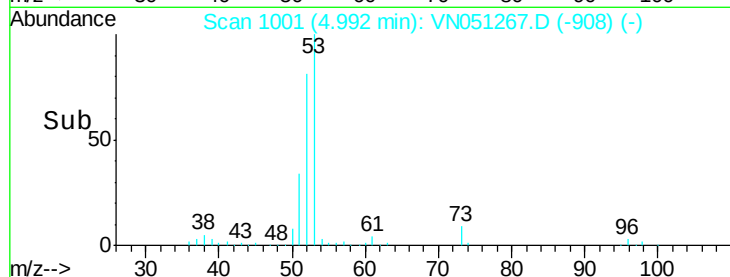
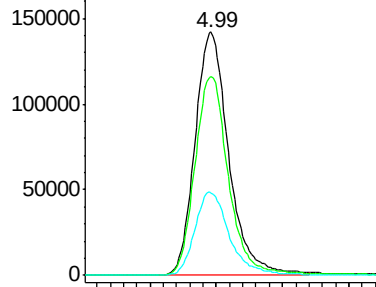
Tot Ion:	53	Resp:	502205
Ion Ratio	Lower	Upper	
53	100		
52	81.3	65.0	97.6
51	35.0	28.0	42.0

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VN051267.D (-977) (-)



#16

Acetone

Concen: 207.71 ug/l

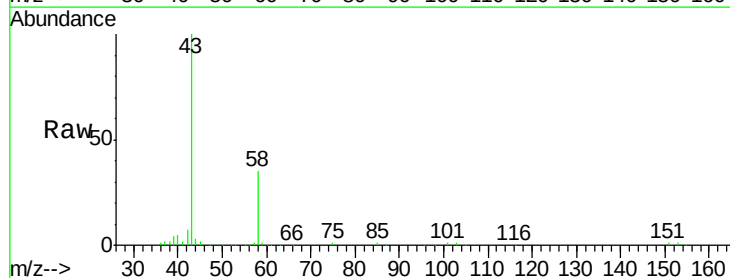
RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

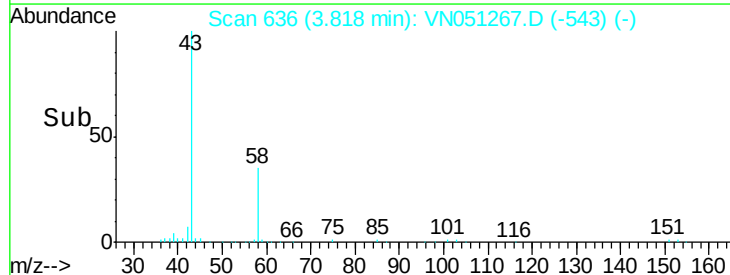
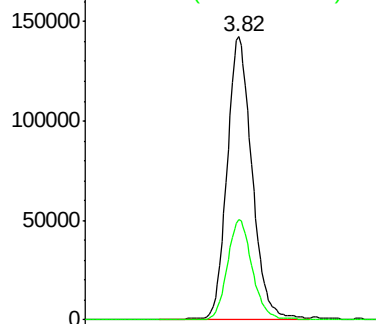
Lab File: VN051267.D

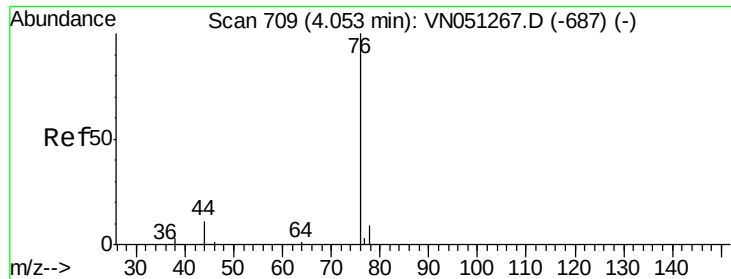
Acq: 17 Sep 2018 11:35

Tgt Ion:	43	Resp:	373229
Ion Ratio	Lower	Upper	
43	100		
58	35.2	28.2	42.2



Abundance Ion 43.00 (42.70 to 43.70): VN051267.D (-599) (-)





#17

Carbon Disulfide

Concen: 45.13 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Tot Ion: 76 Resp: 931125

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

Instrument :

MSVOA_N

ClientSampleId :

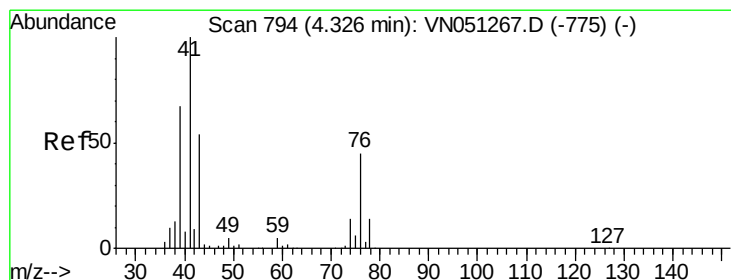
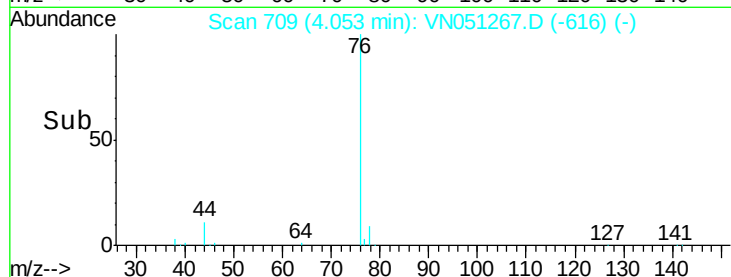
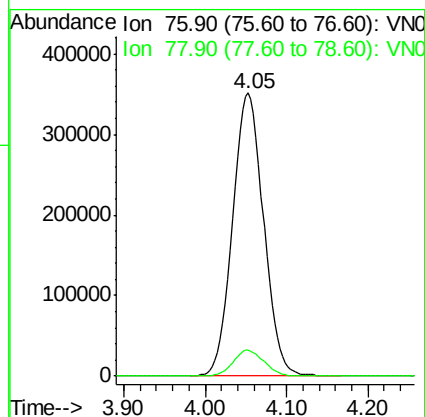
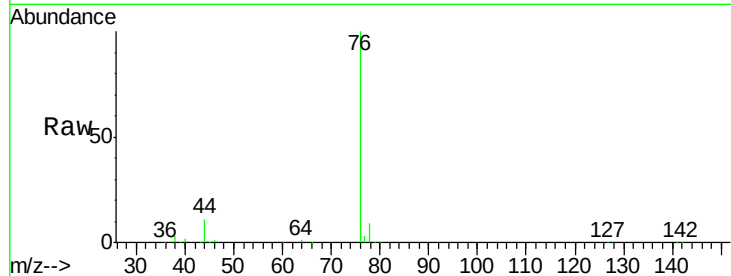
VSTDICCC050

Manual Integrations

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#18

Methyl Acetate

Concen: 43.33 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051267.D

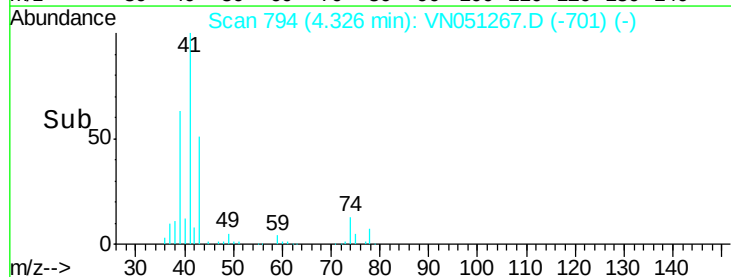
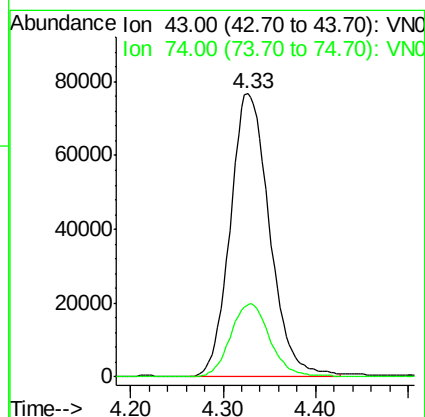
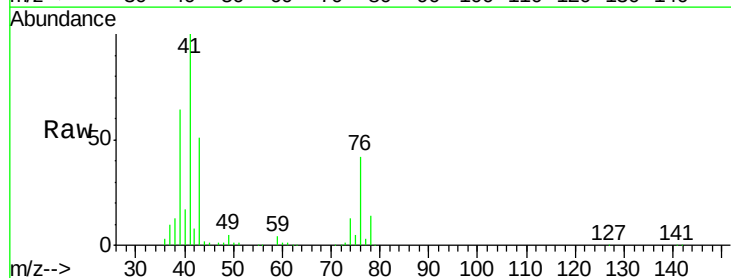
Acq: 17 Sep 2018 11:35

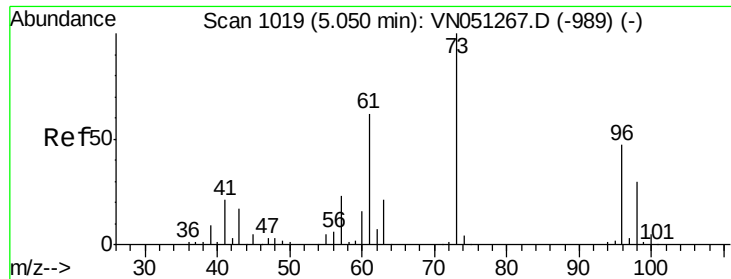
Tgt Ion: 43 Resp: 224280

Ion Ratio Lower Upper

43 100

74 26.0 20.8 31.2





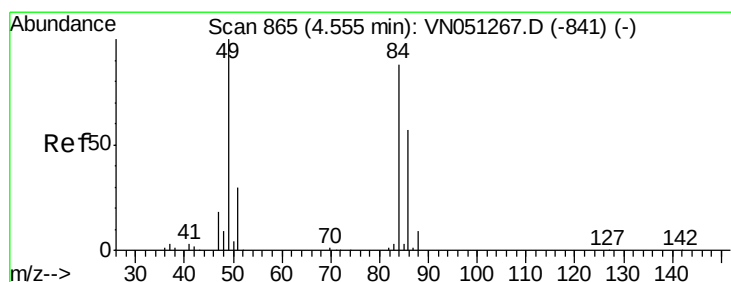
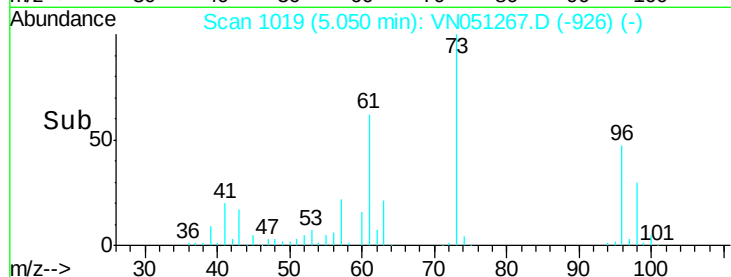
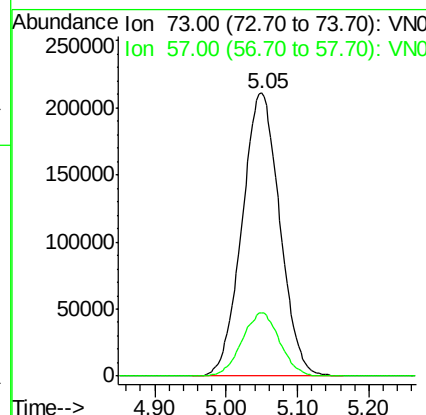
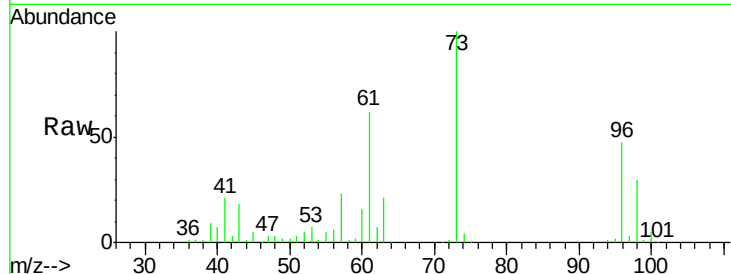
#19
Methyl tert-butyl Ether
Concen: 47.54 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.1	27.1

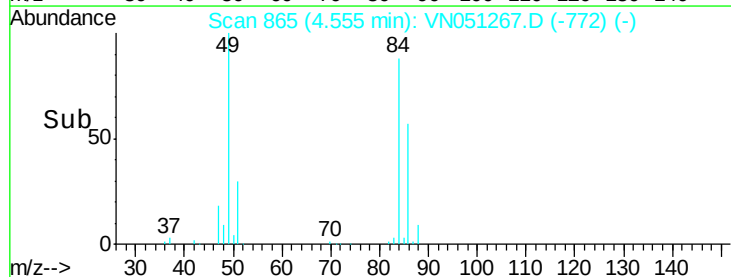
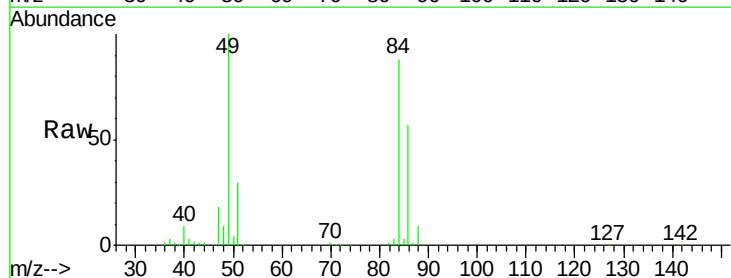
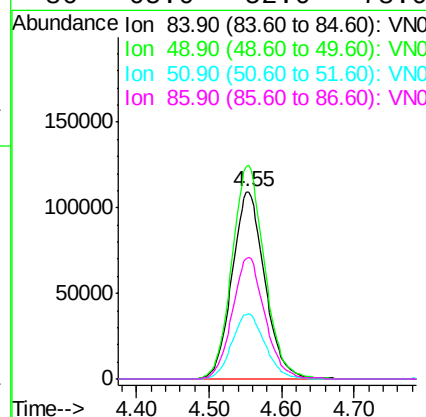
Manual Integrations
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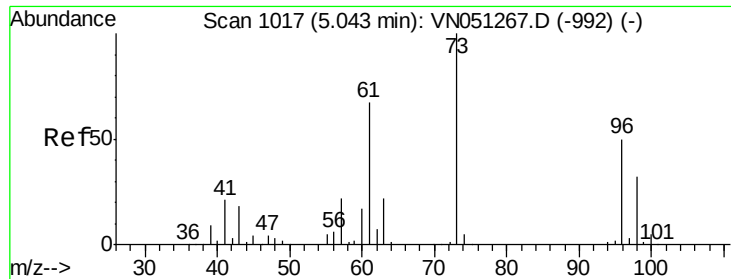
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#20
Methylene Chloride
Concen: 47.58 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.0	91.2	136.8
51	34.6	27.7	41.5
86	65.0	52.0	78.0





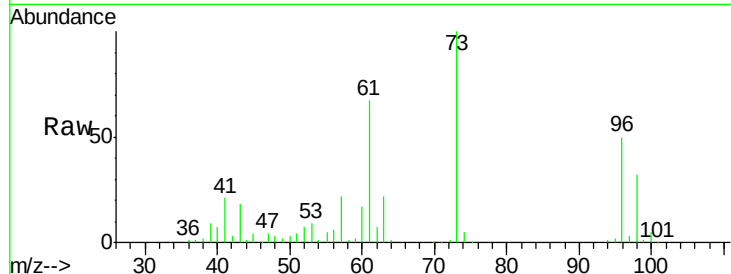
#21
trans-1,2-Dichloroethene
Concen: 48.19 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.4	106.7	160.1
98	64.2	51.4	77.0

Manual Integrations
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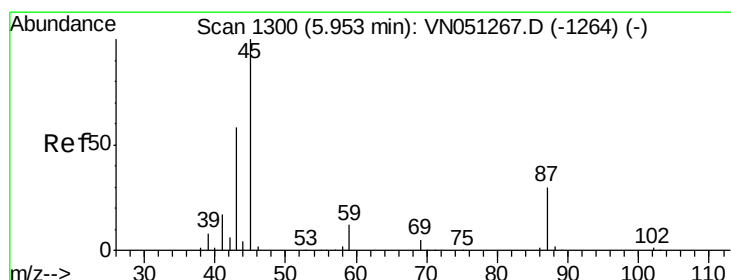
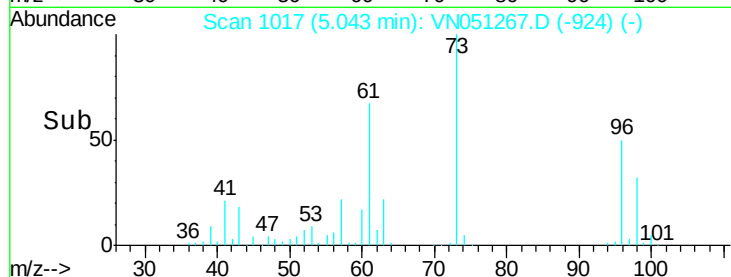
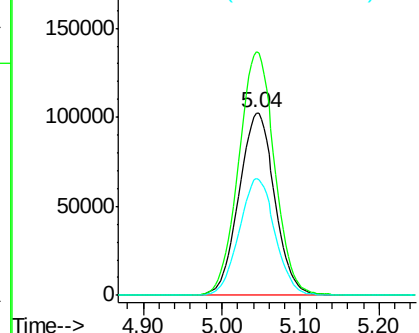


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 50.00 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.4	46.7	70.1
87	30.7	24.6	36.8
59	12.0	9.6	14.4

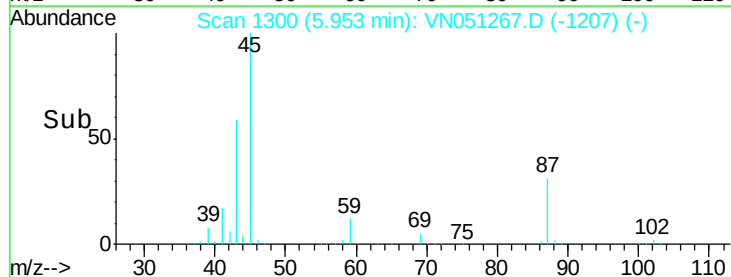
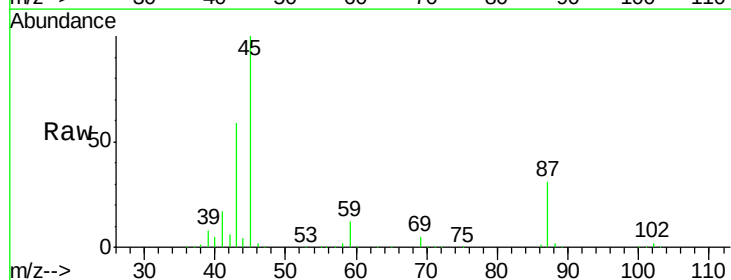
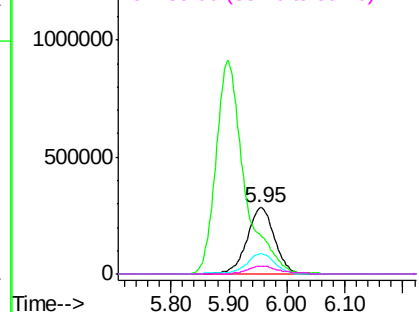
Abundance

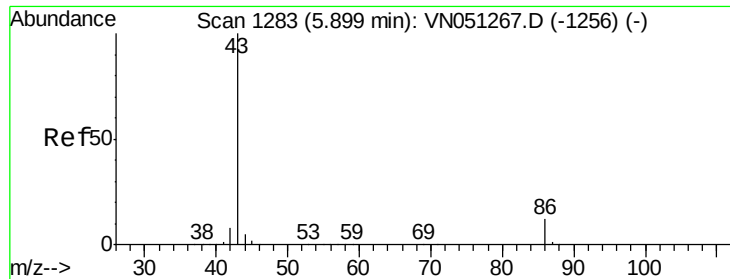
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





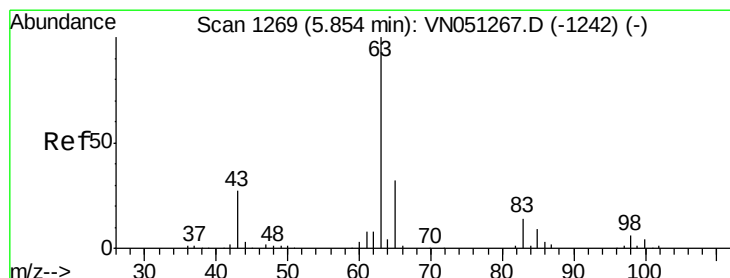
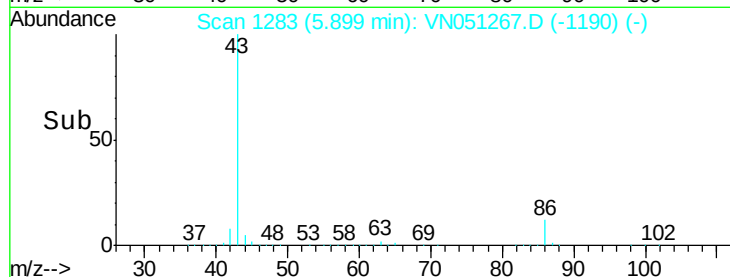
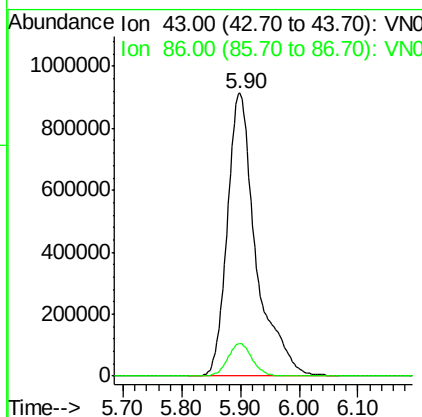
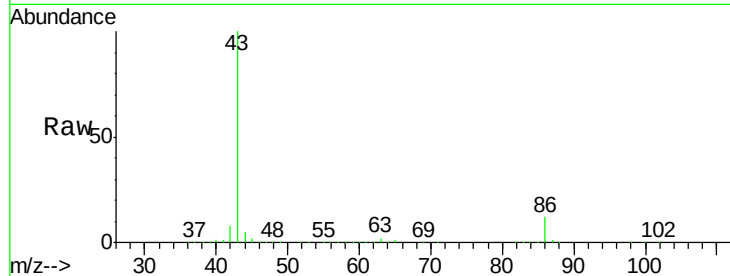
#23
 Vinyl Acetate
 Concen: 245.40 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion: 43 Resp: 3104637
 Ion Ratio Lower Upper
 43 100
 86 11.6 9.3 13.9

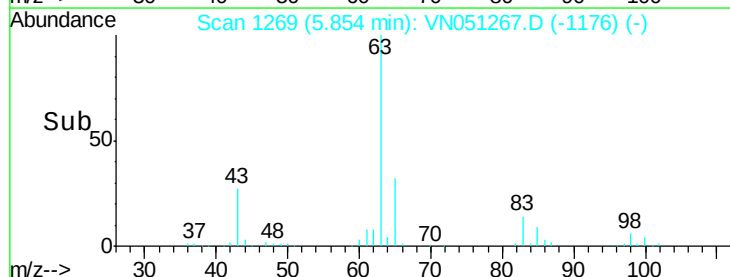
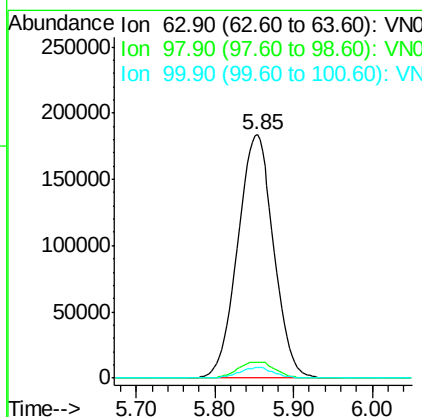
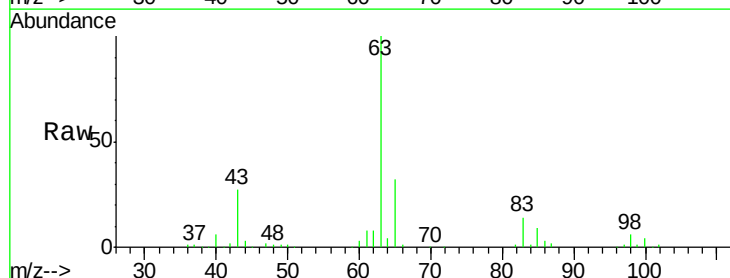
Manual Integrations
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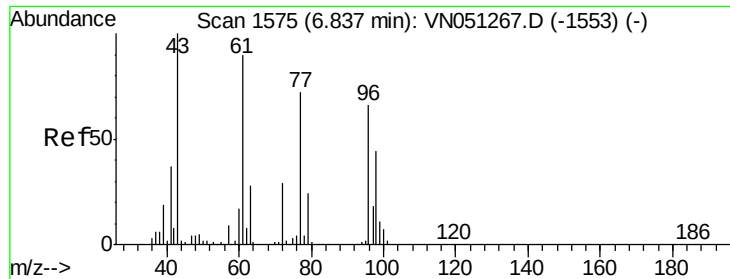
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 49.13 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Tgt Ion: 63 Resp: 589218
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.8
 100 4.5 2.3 6.8





#25

2-Butanone

Concen: 208.91 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 523481

Ion Ratio Lower Upper

43 100

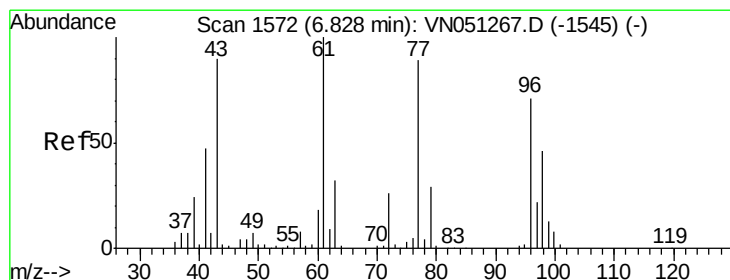
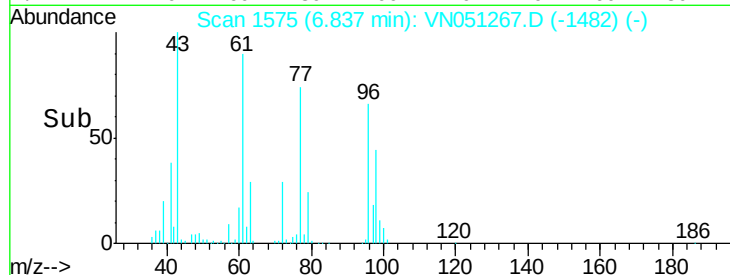
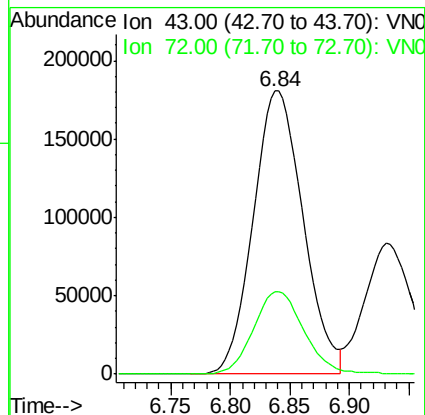
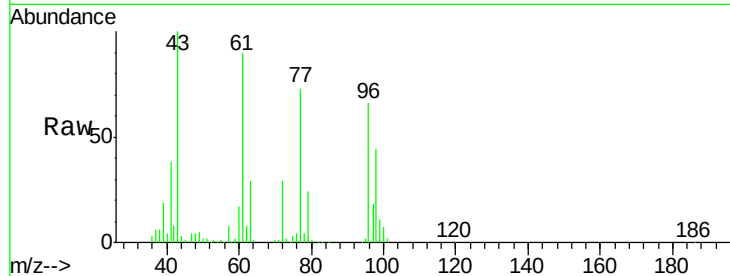
72 29.2 23.4 35.0

Manual Integrations

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9/19/2018 4:57:50 PM



#26

2,2-Dichloropropane

Concen: 48.45 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051267.D

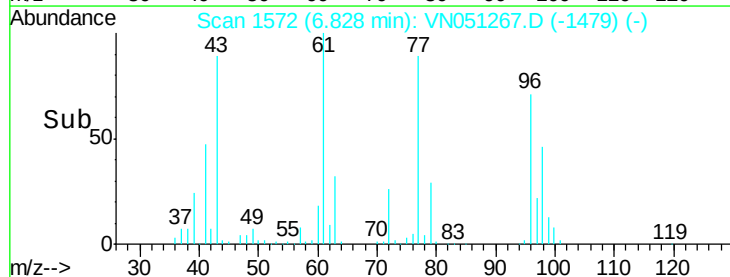
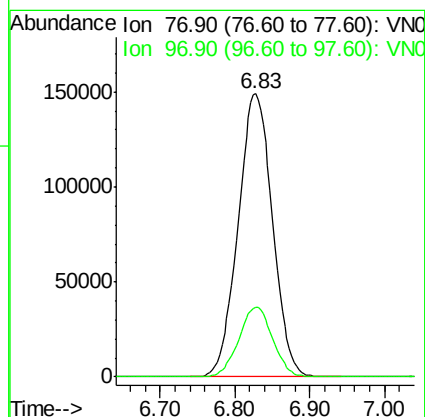
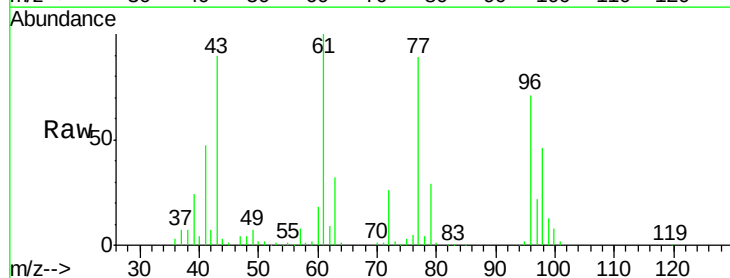
Acq: 17 Sep 2018 11:35

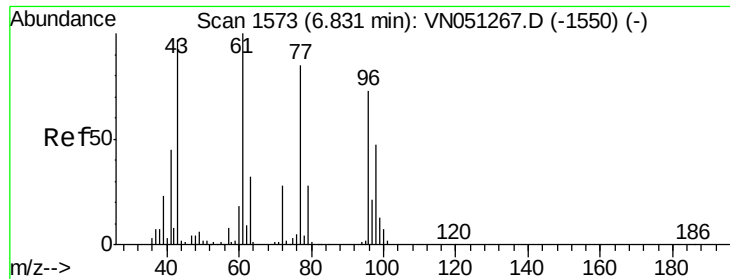
Tgt Ion: 77 Resp: 475433

Ion Ratio Lower Upper

77 100

97 24.3 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 48.37 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Instrument :

MSVOA_N

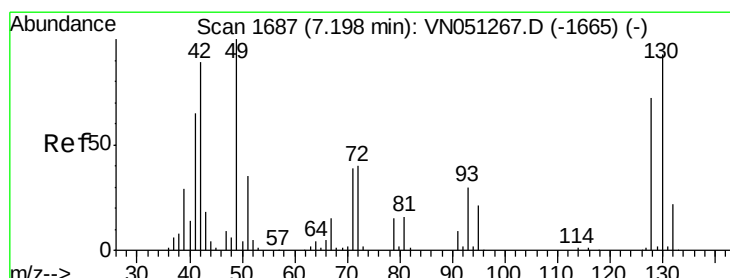
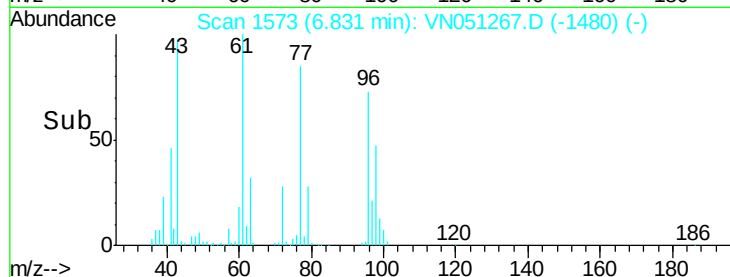
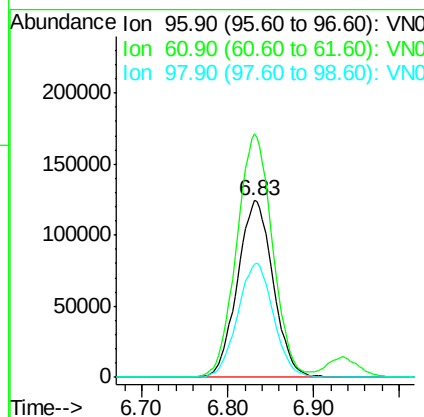
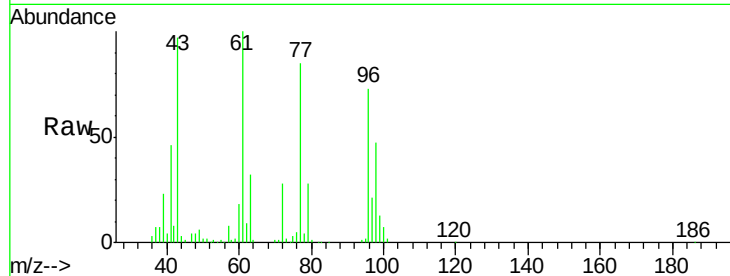
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	358812
Ion Ratio	Lower	Upper	
96	100		
61	138.1	0.0	276.2
98	64.6	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 46.31 ug/l

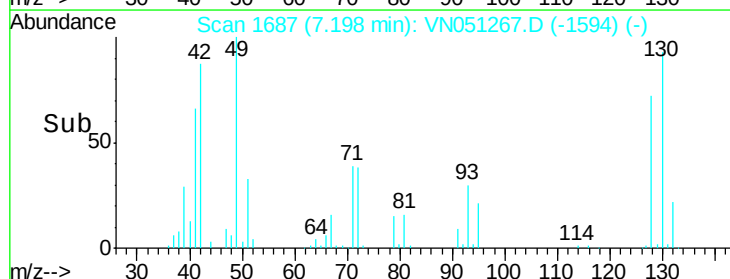
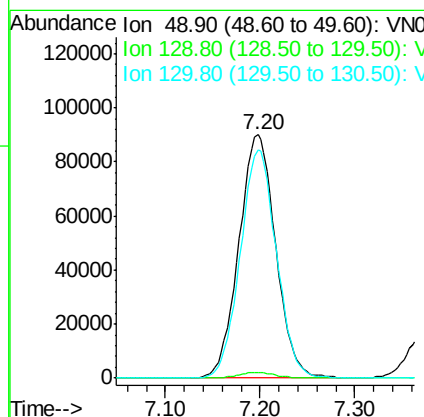
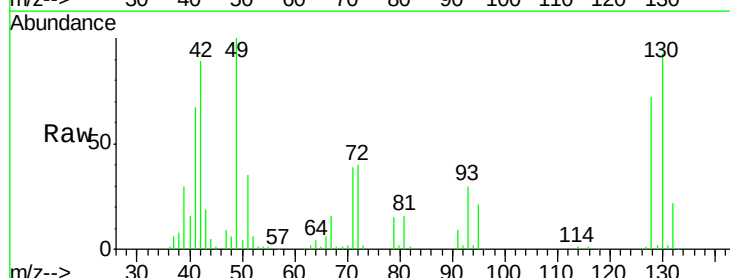
RT: 7.20 min Scan# 1687

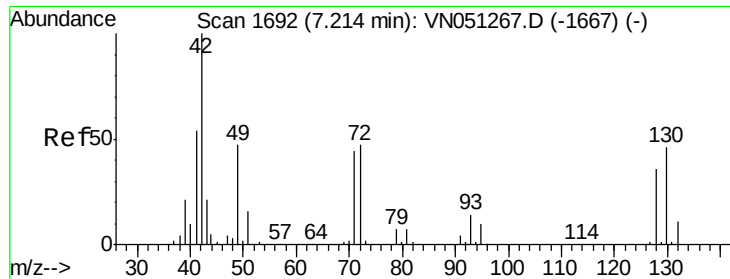
Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Tgt Ion:	49	Resp:	243386
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	4.6
130	92.1	73.7	110.5





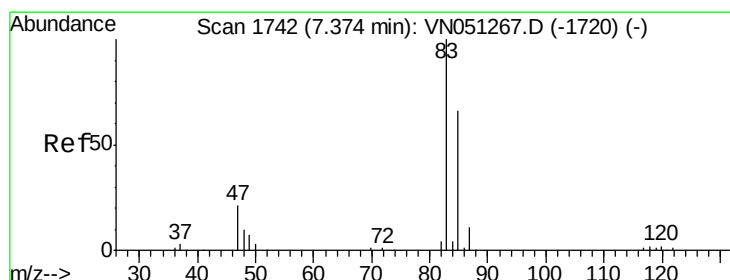
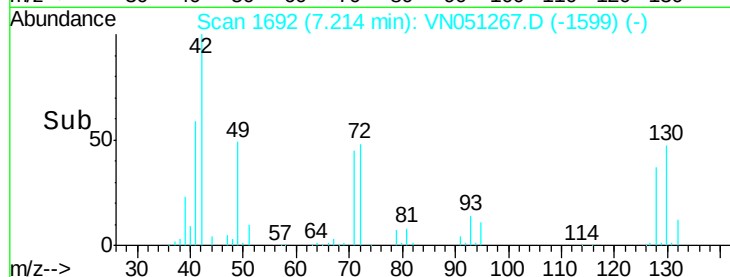
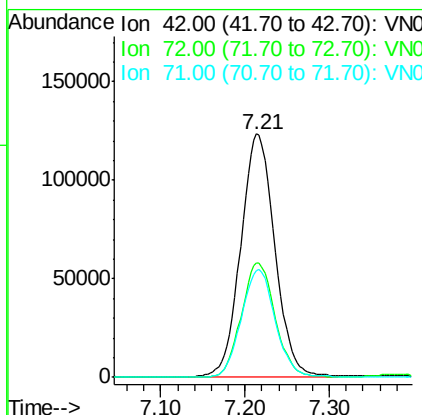
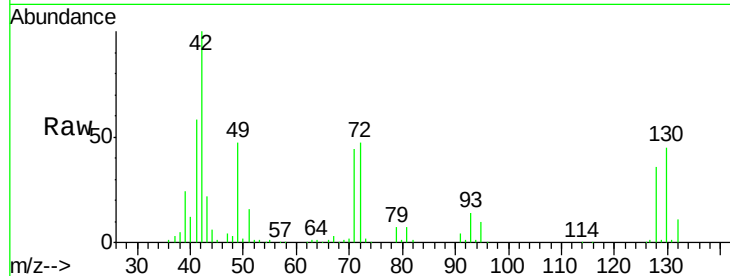
#29
Tetrahydrofuran
Concen: 221.16 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.6	56.4
71	44.3	35.4	53.2

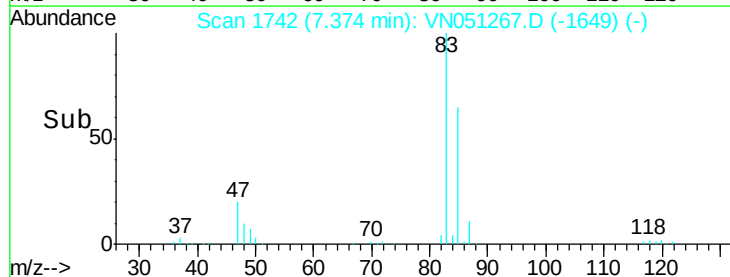
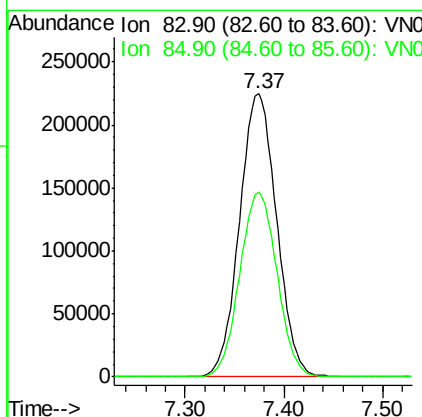
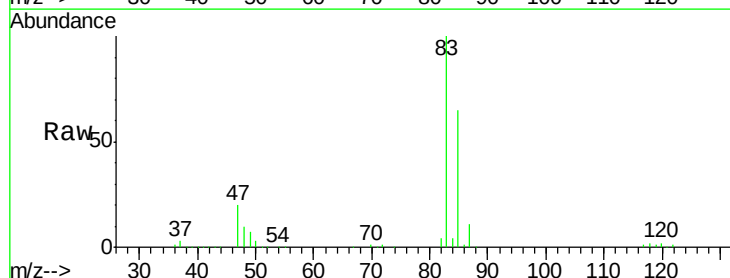
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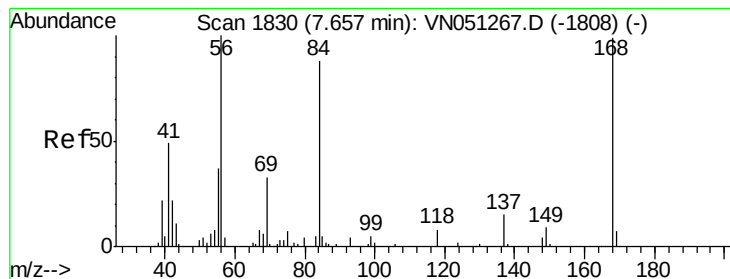
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#30
Chloroform
Concen: 49.05 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6





#31

Cyclohexane

Concen: 43.44 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 525393

Ion Ratio Lower Upper

56 100

69 32.7 26.2 39.2

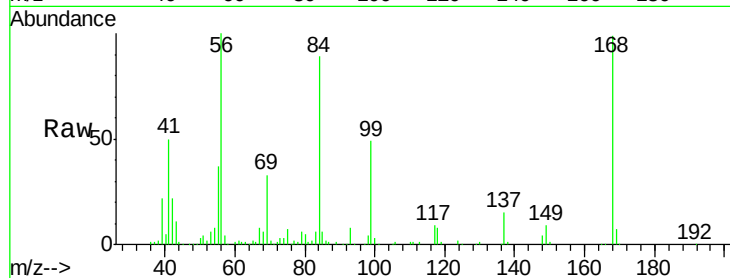
84 88.3 70.6 106.0

Manual Integrations

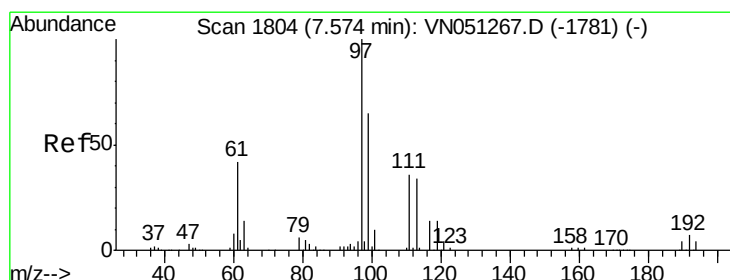
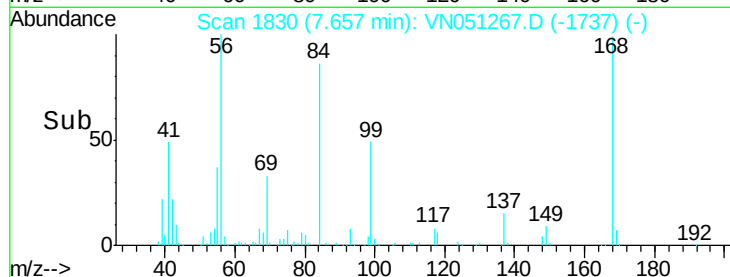
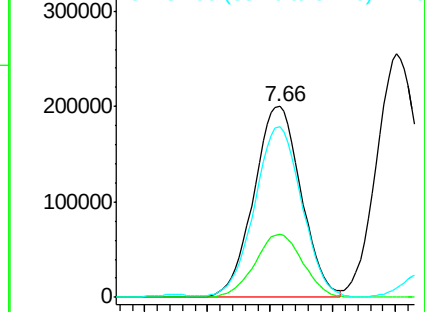
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 50.18 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

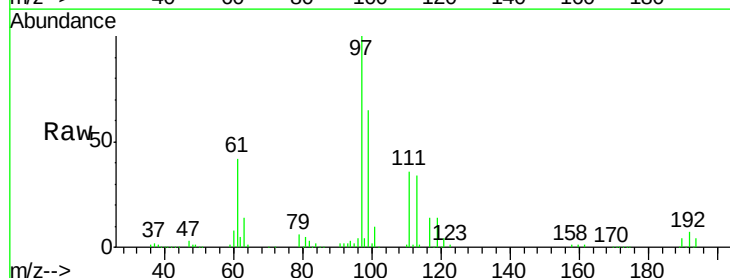
Tgt Ion: 97 Resp: 512301

Ion Ratio Lower Upper

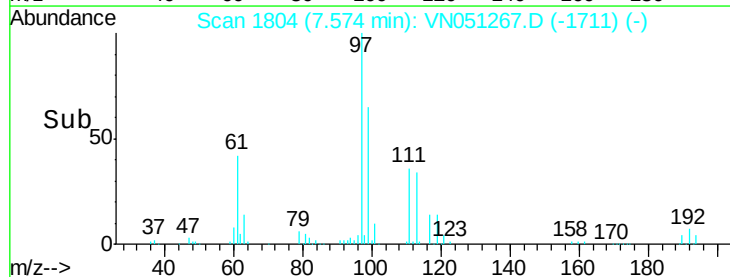
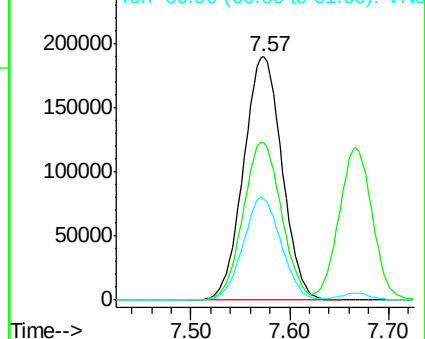
97 100

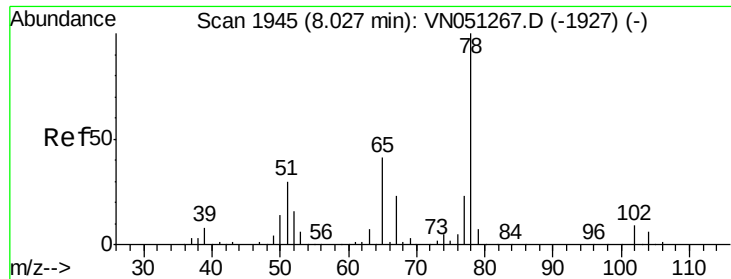
99 64.5 51.6 77.4

61 41.8 33.4 50.2



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





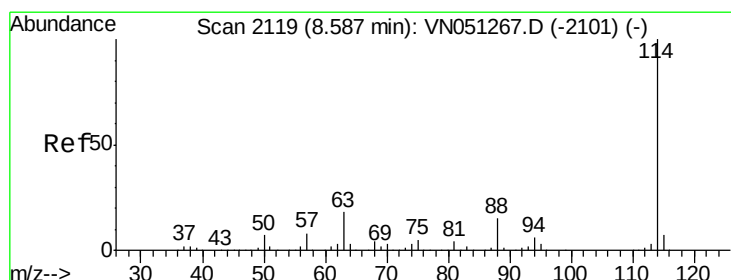
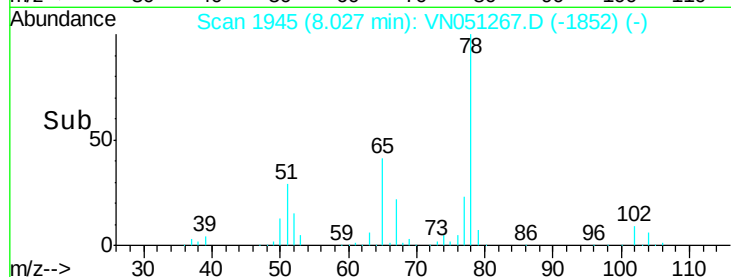
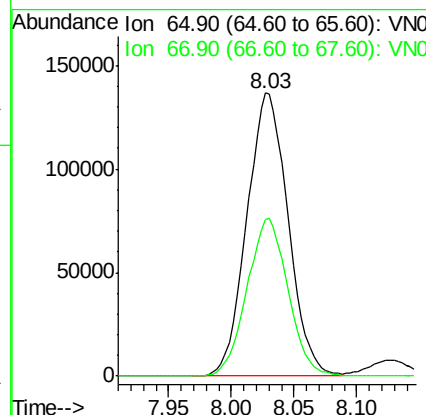
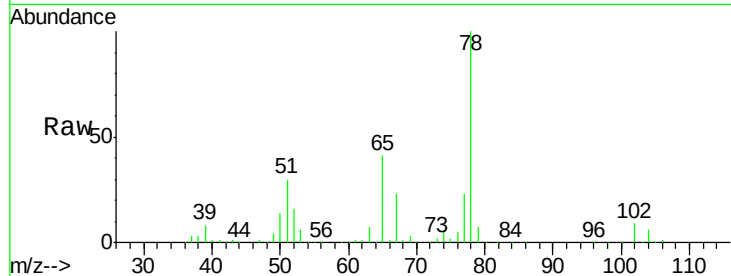
#33
 1,2-Dichloroethane-d4
 Concen: 48.36 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.5	0.0	111.0	

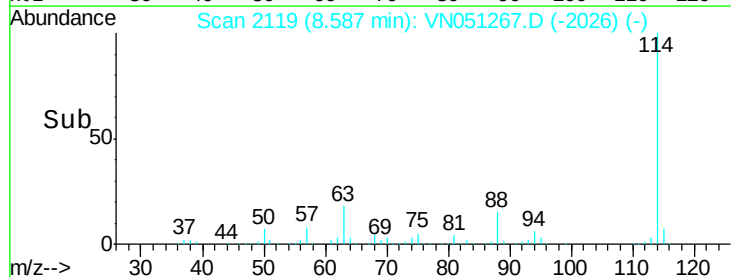
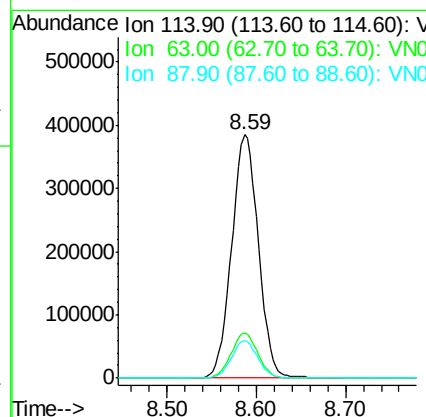
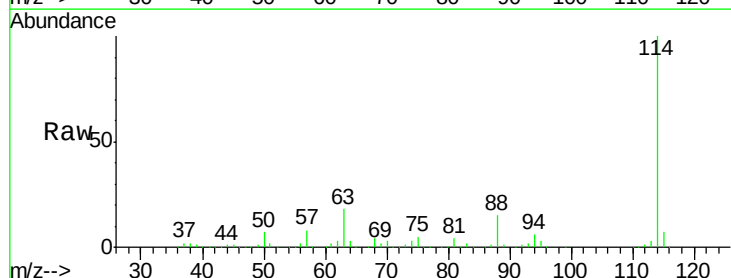
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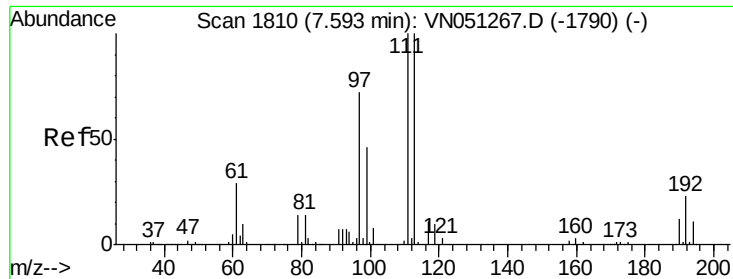
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.4	0.0	36.8	
88	15.4	0.0	30.8	





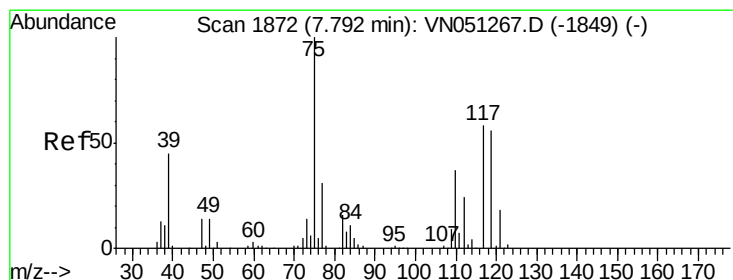
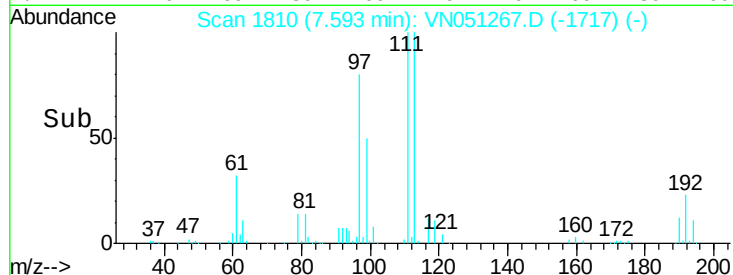
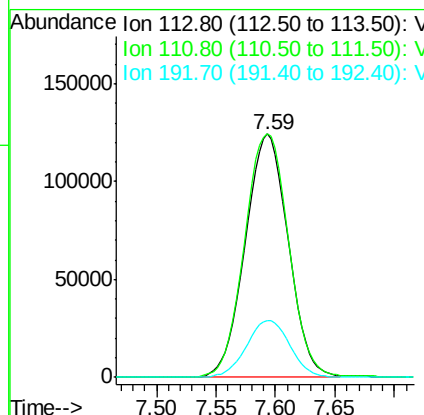
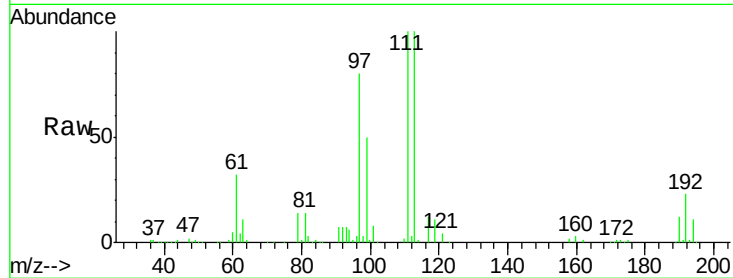
#35
 Dibromofluoromethane
 Concen: 51.45 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	82.2	123.4	
192	23.8	19.0	28.6	

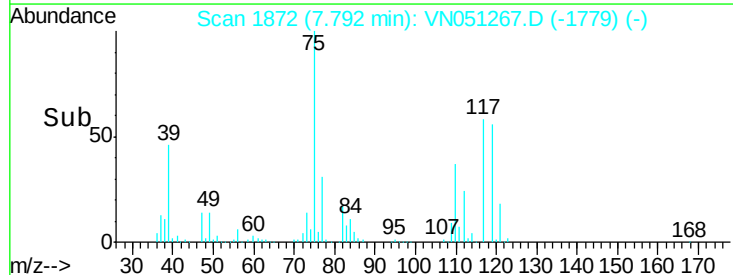
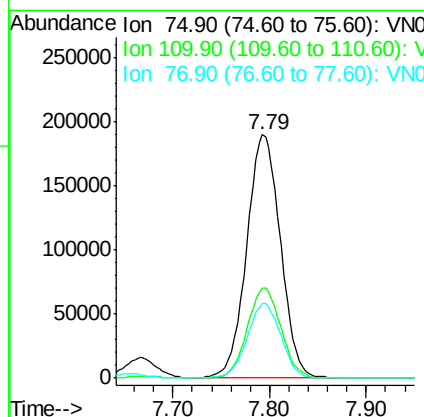
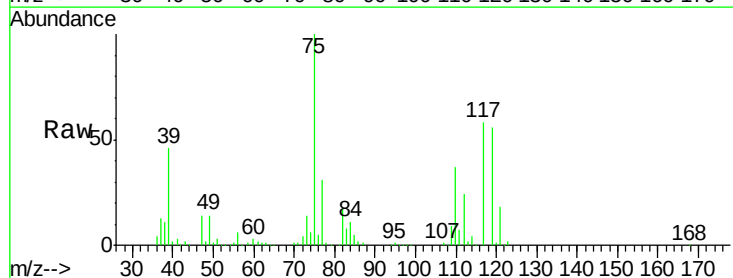
Manual Integrations
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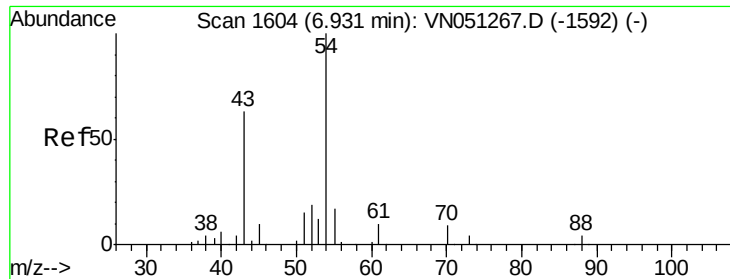
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 9/19/2018 4:57:50 PM



#36
 1,1-Dichloropropene
 Concen: 51.72 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.3	18.6	56.0	
77	30.9	24.7	37.1	





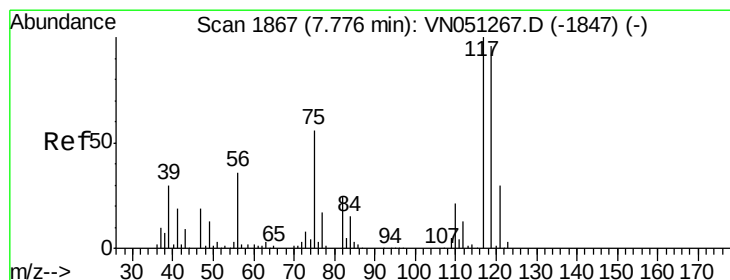
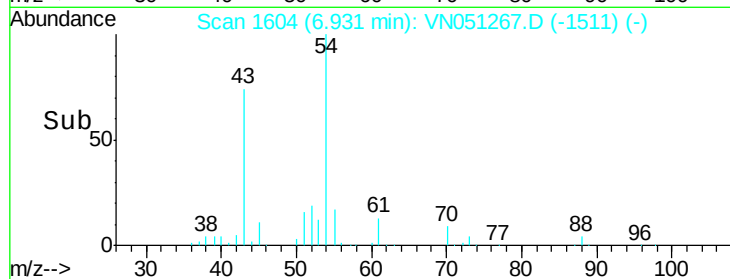
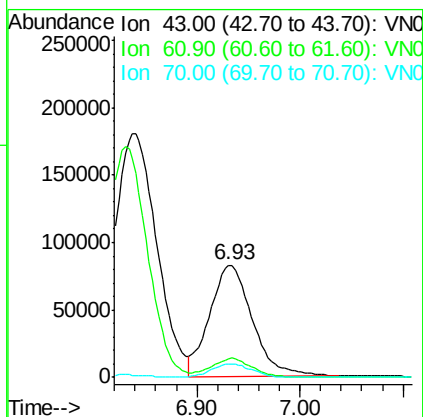
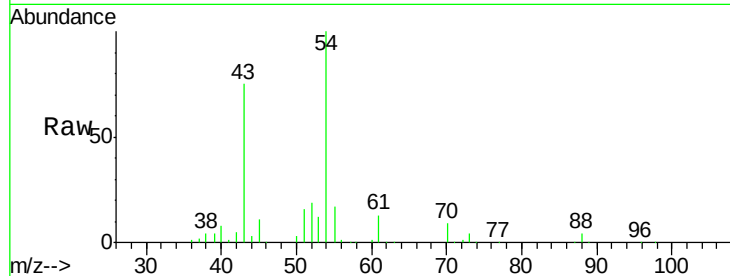
#37
Ethyl Acetate
Concen: 47.18 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.3	18.5
70	11.7	9.4	14.0

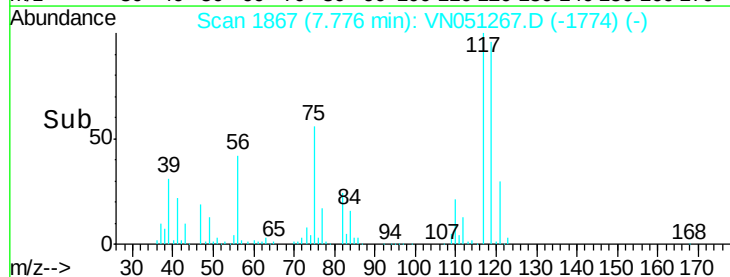
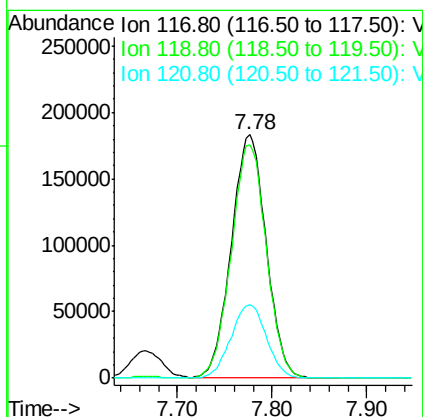
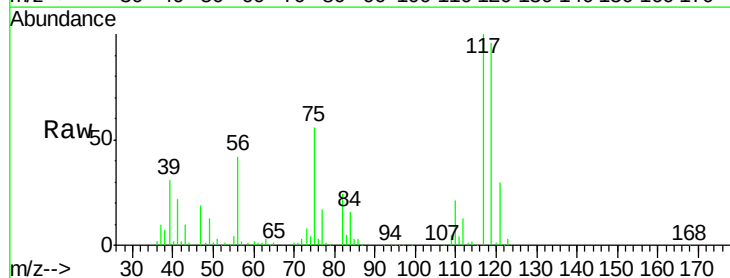
Manual Integrations
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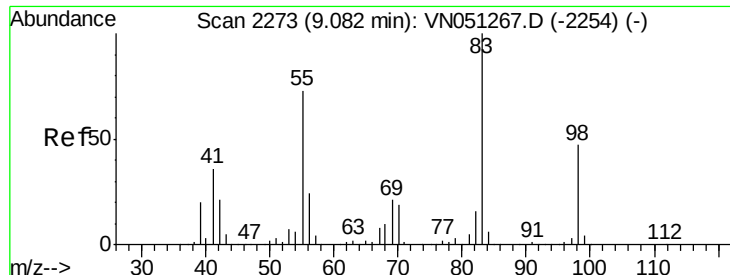
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#38
Carbon Tetrachloride
Concen: 53.40 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.8	115.2
121	30.2	24.2	36.2





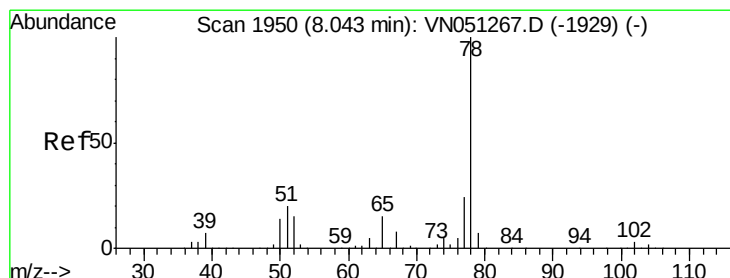
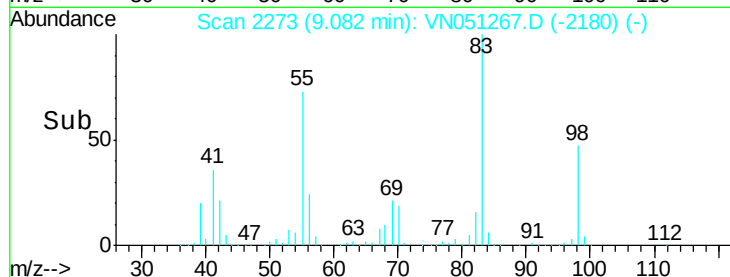
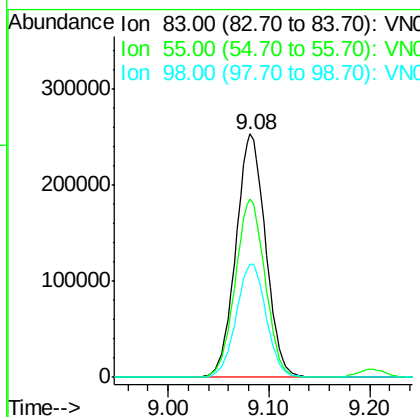
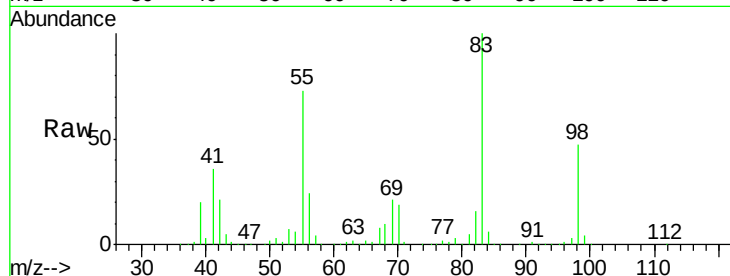
#39
Methylvlcyclohexane
Concen: 52.91 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.4	58.7	88.1
98	46.6	37.3	55.9

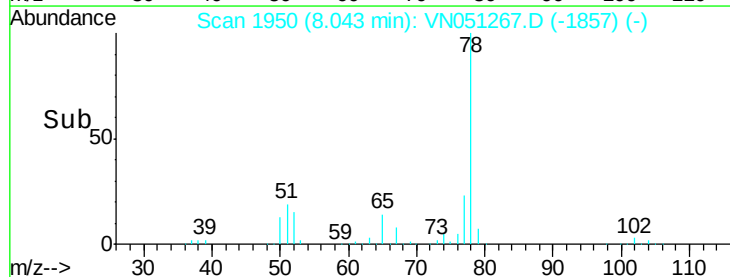
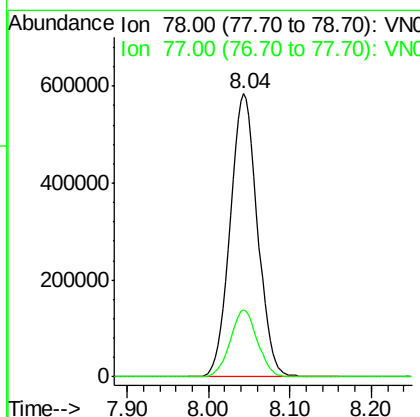
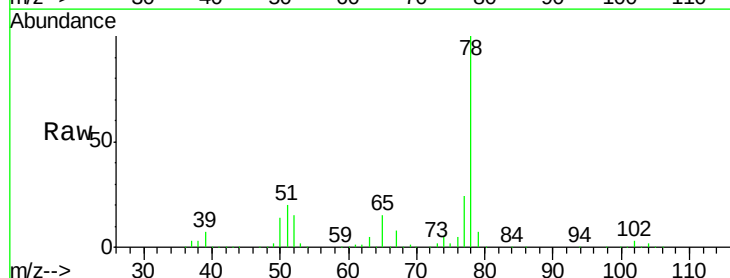
Manual Integrations
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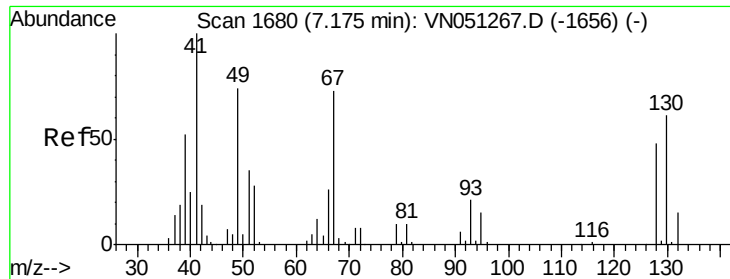
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#40
Benzene
Concen: 51.36 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





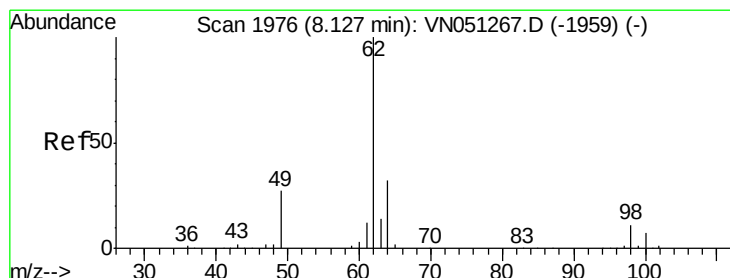
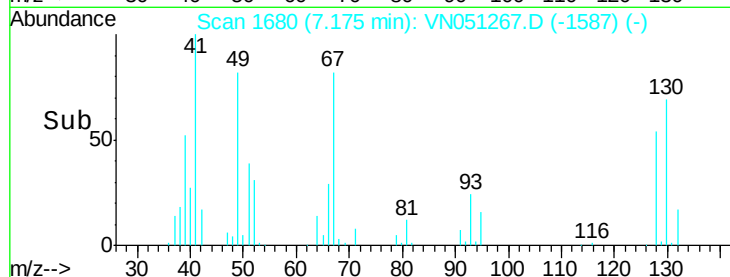
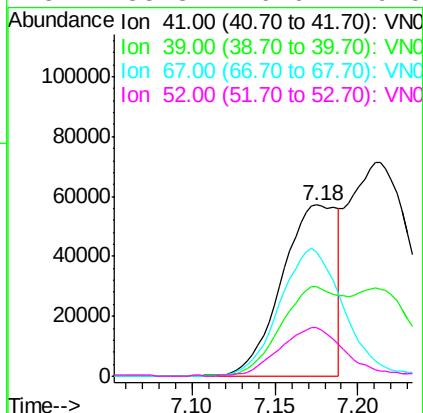
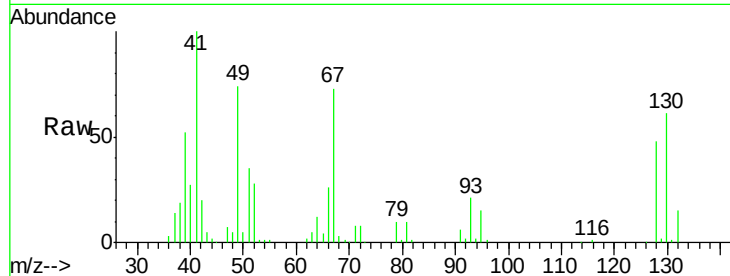
#41
Methacrylonitrile
Concen: 50.05 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	132384
Ion	Ratio	Lower	Upper
41	100		
39	59.7	47.8	71.6
67	87.2	69.8	104.6
52	33.3	26.6	40.0

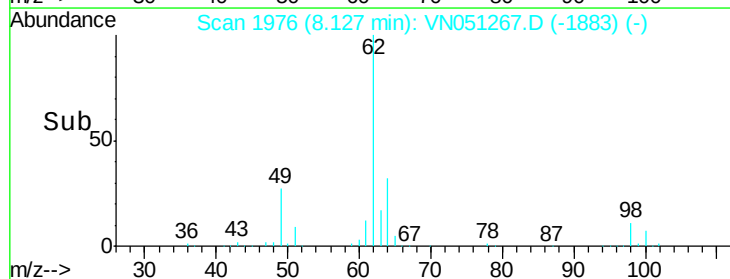
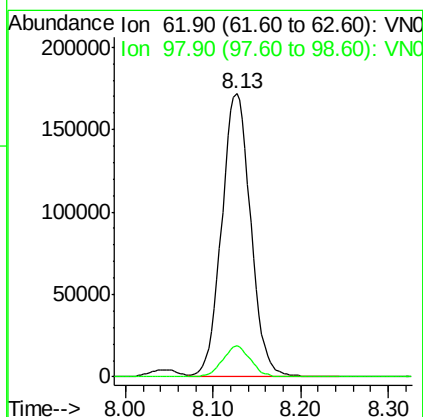
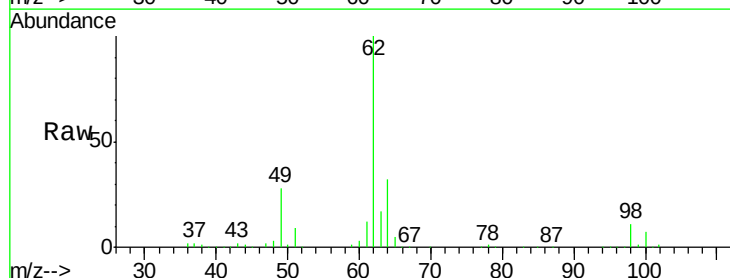
Manual Integrations
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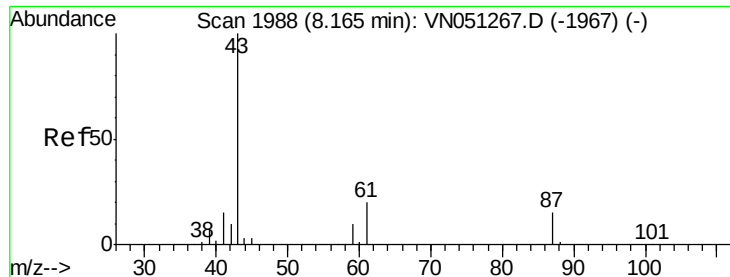
MMDadoda
9/19/2018 4:57:50 PM



#42
1,2-Dichloroethane
Concen: 50.82 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Tgt Ion	62	Resp	394176
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0





#43

Isopropyl Acetate

Concen: 46.76 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Instrument :

MSVOA_N

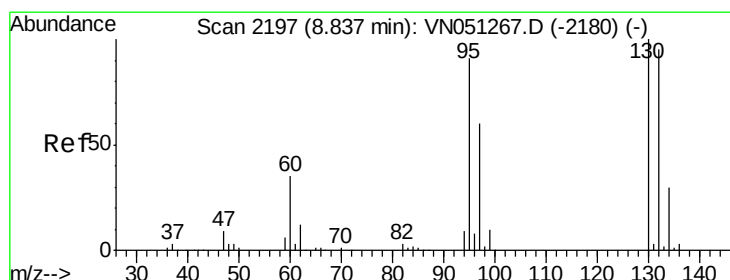
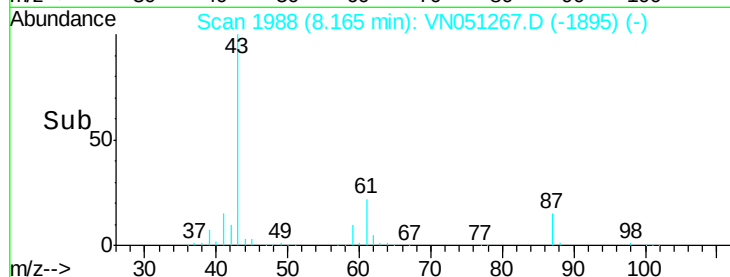
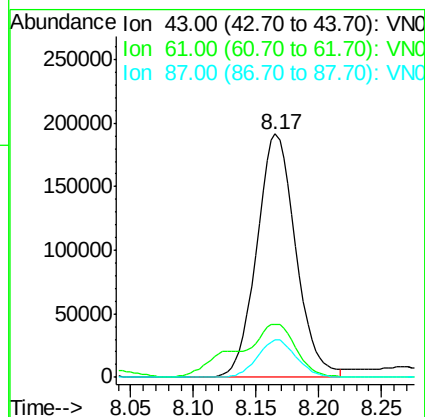
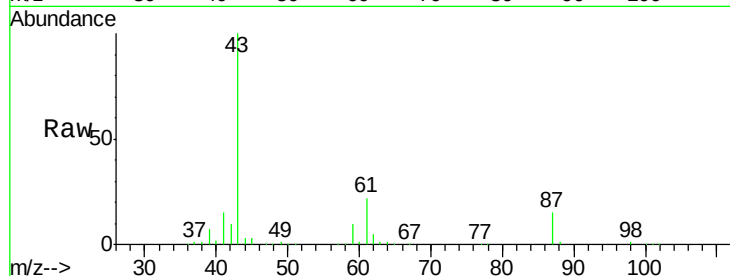
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	413512
Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.4	26.2
87	15.3	12.2	18.4

Manual Integrations
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MMDadoda
9/19/2018 4:57:50 PM



#44

Trichloroethene

Concen: 51.05 ug/l

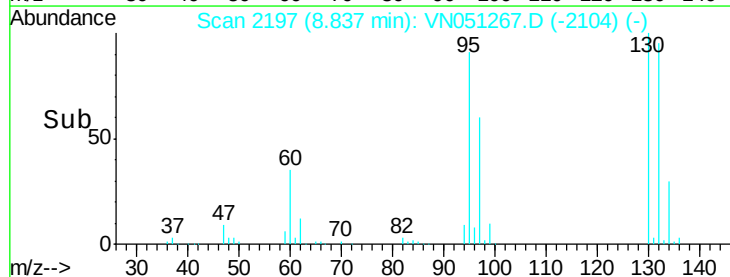
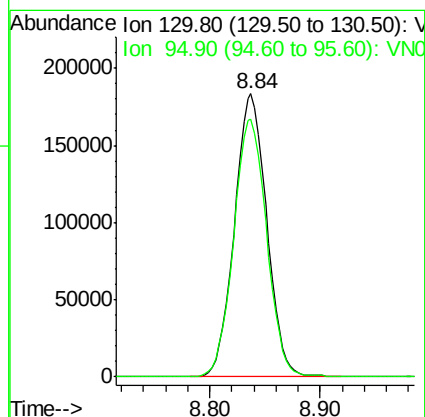
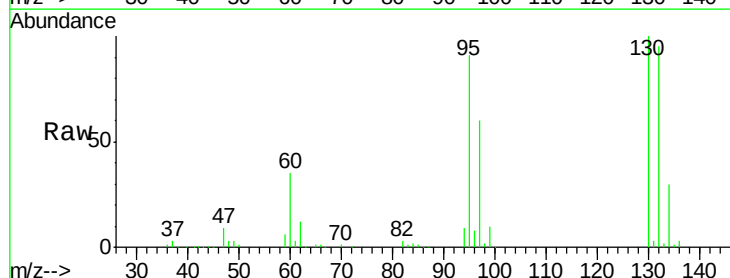
RT: 8.84 min Scan# 2197

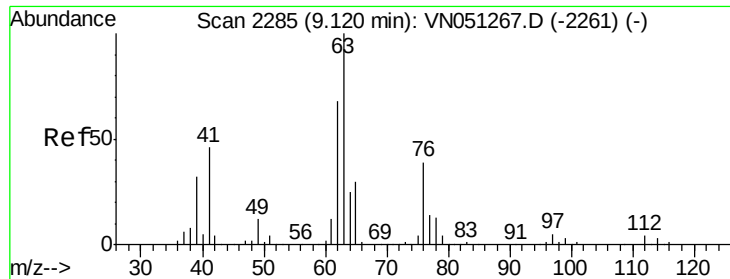
Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Tgt Ion:	130	Resp:	372448
Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	181.8





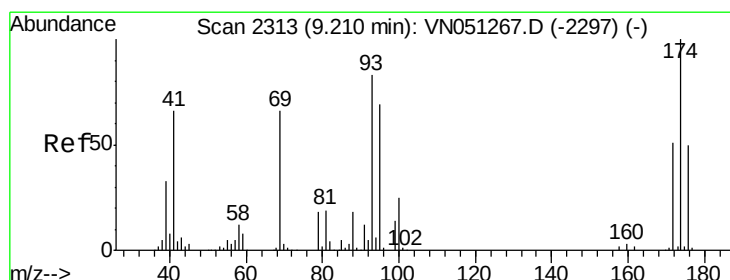
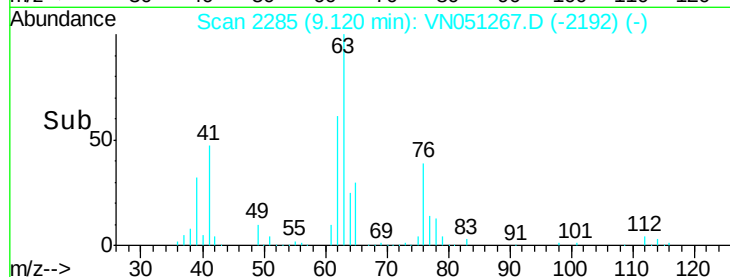
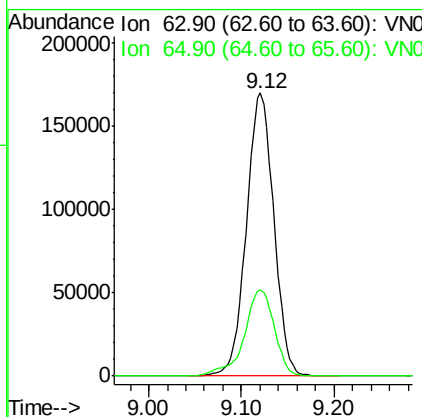
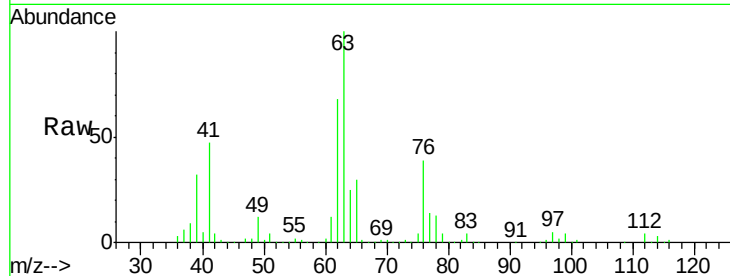
#45
 1,2-Dichloropropane
 Concen: 50.85 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 348808
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.2 36.4

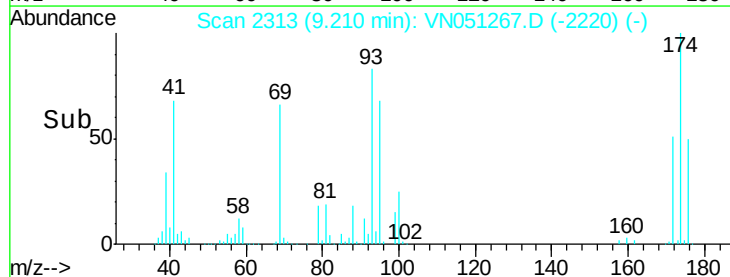
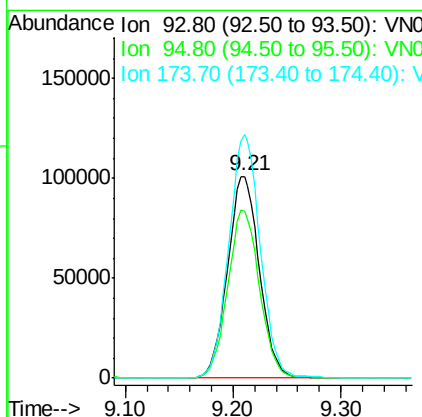
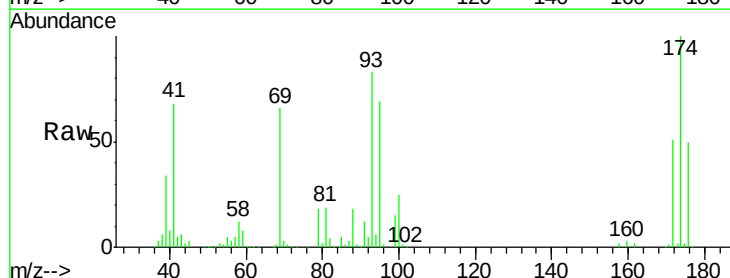
Manual Integrations
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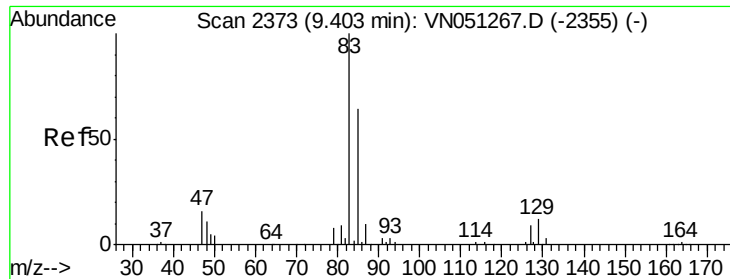
MMDadoda
 9/19/2018 4:57:50 PM



#46
 Dibromomethane
 Concen: 49.59 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Tgt Ion: 93 Resp: 207857
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 119.5 95.6 143.4





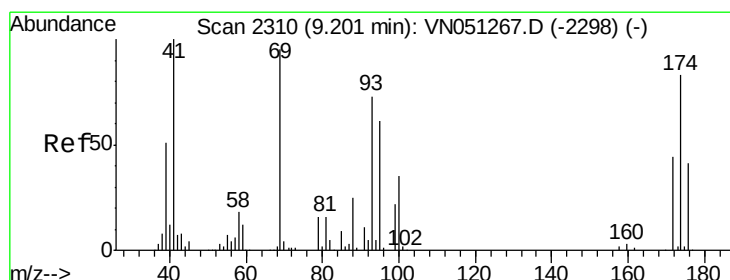
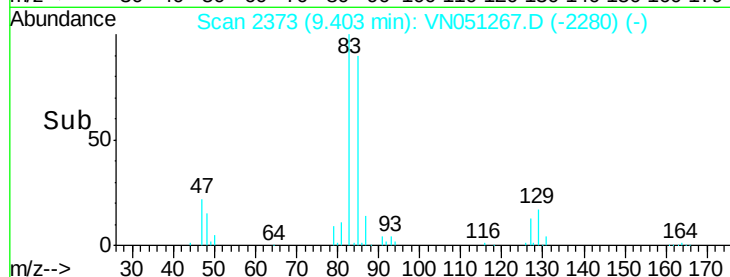
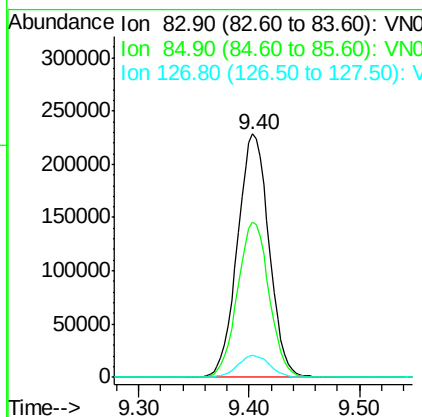
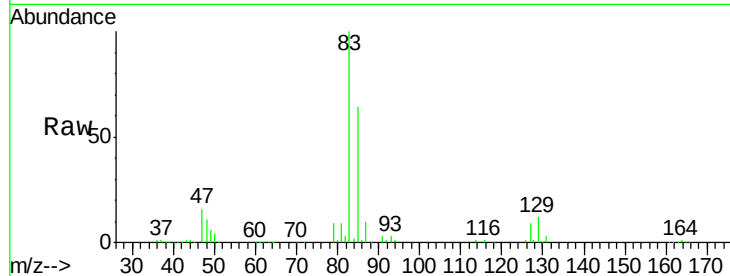
#47
Bromodichloromethane
Concen: 52.79 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	451991
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	51.0	76.4
127	8.9	7.1	10.7

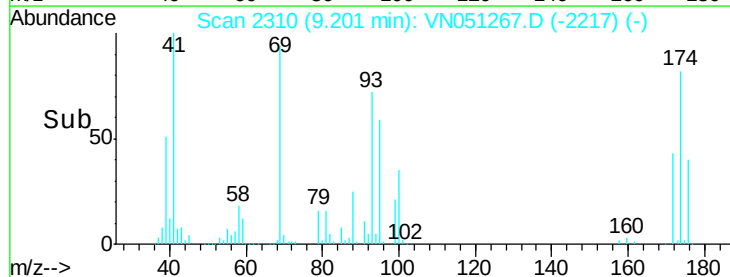
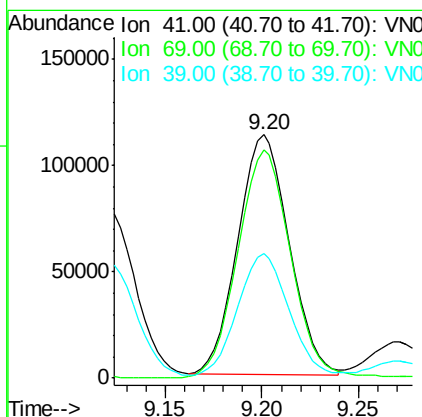
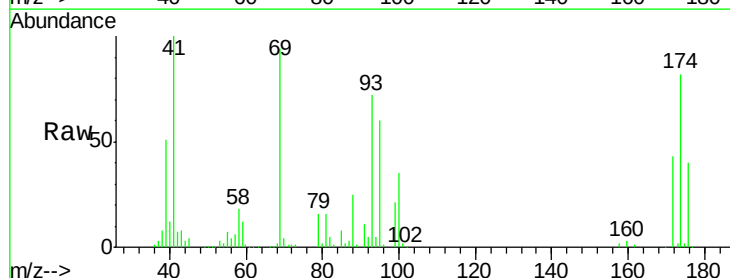
Manual Integrations
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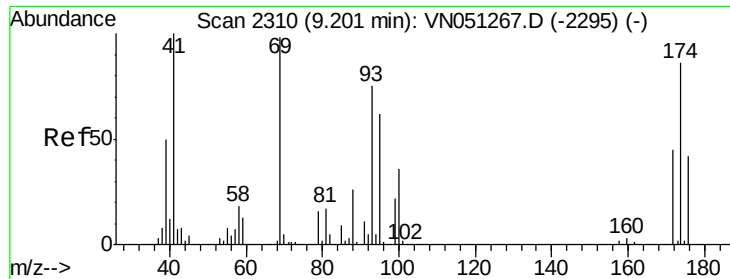
MMDadoda
9/19/2018 4:57:50 PM



#48
Methyl methacrylate
Concen: 48.21 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Tgt Ion	41	Resp	208135
Ion Ratio	100	Lower	Upper
41	100		
69	98.6	78.9	118.3
39	52.7	42.2	63.2





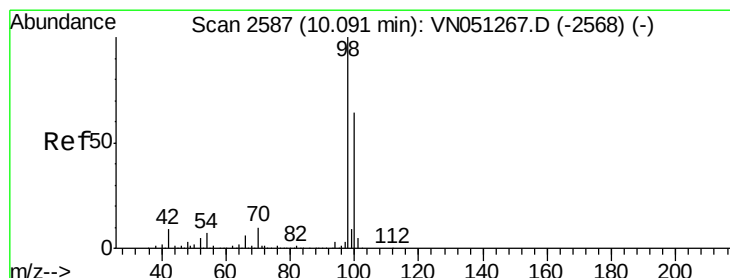
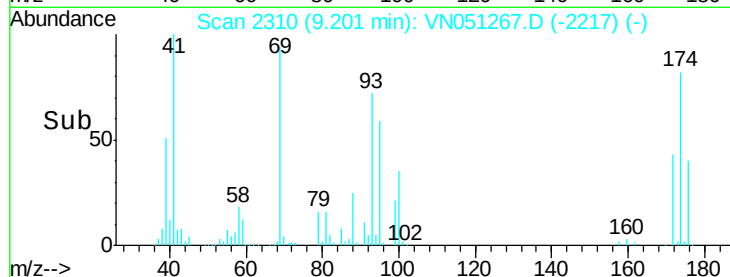
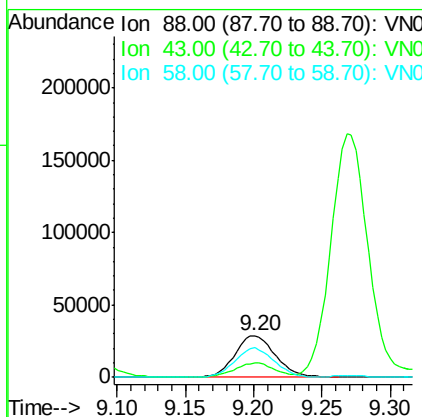
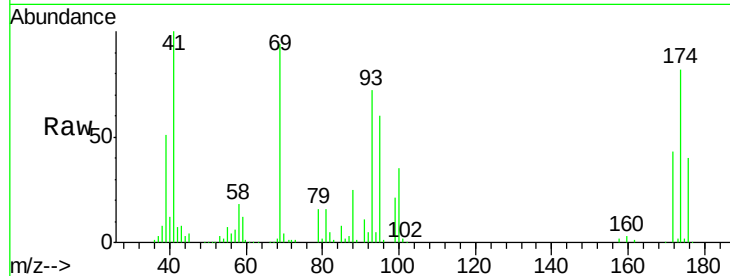
#49
1,4-Dioxane
Concen: 885.97 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	25.3	37.9
58	68.6	54.9	82.3

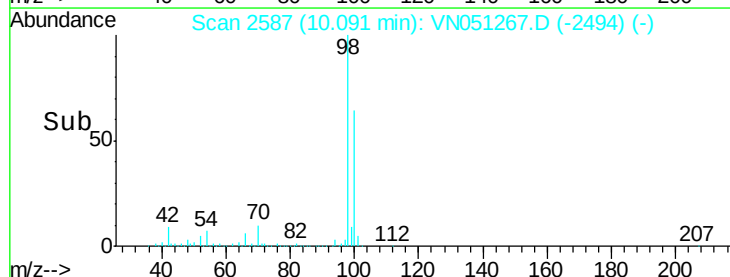
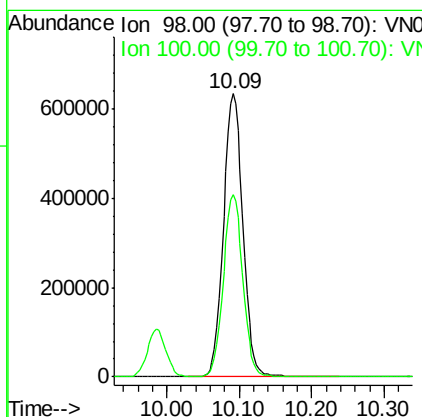
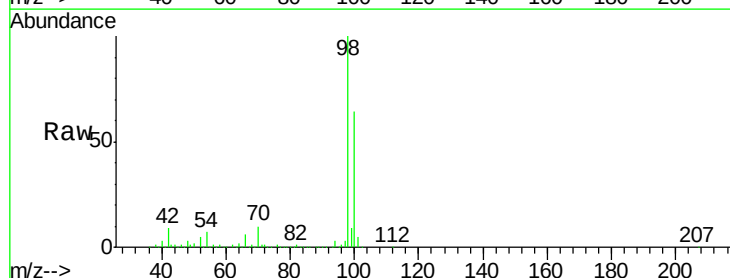
Manual Integrations
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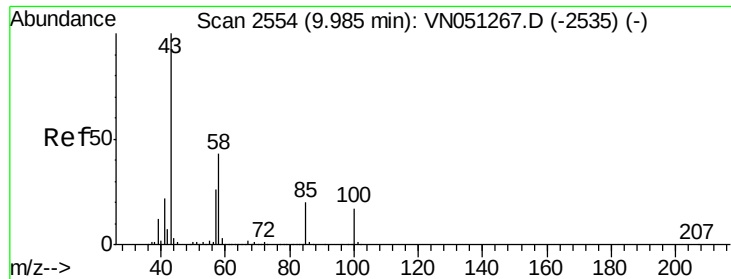
MMDadoda
9/19/2018 4:57:50 PM



#50
Toluene-d8
Concen: 51.41 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4





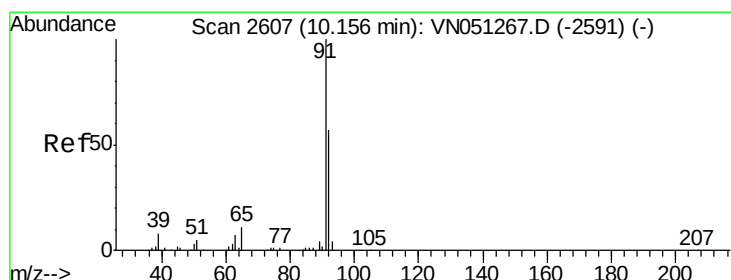
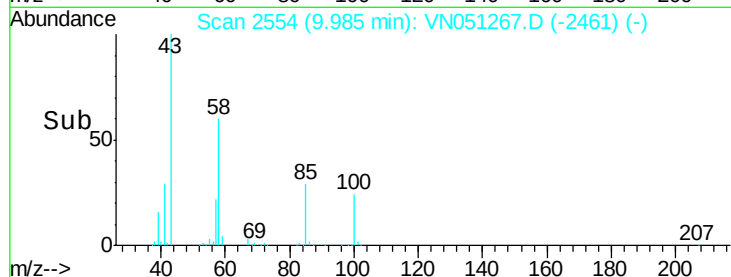
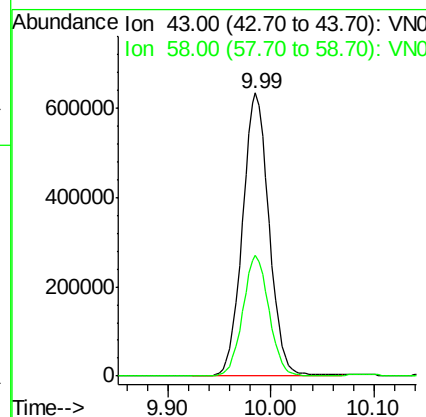
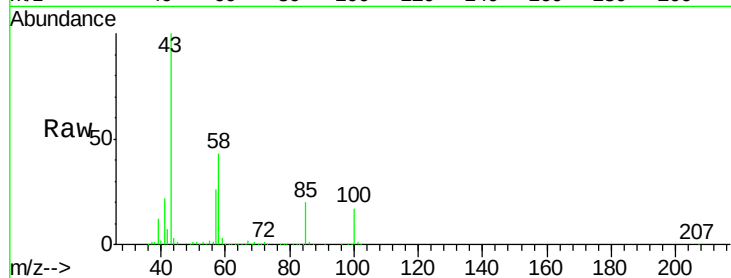
#51
4-Methyl-2-Pentanone
Concen: 232.54 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1135760
Ion Ratio Lower Upper
43 100
58 42.2 33.8 50.6

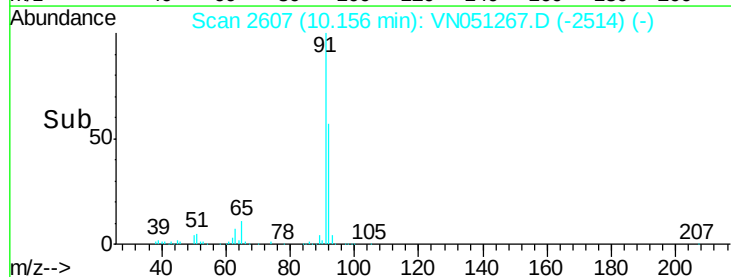
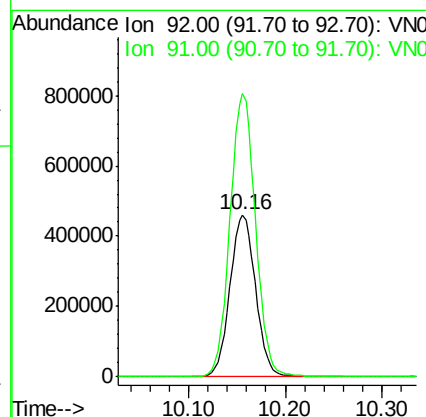
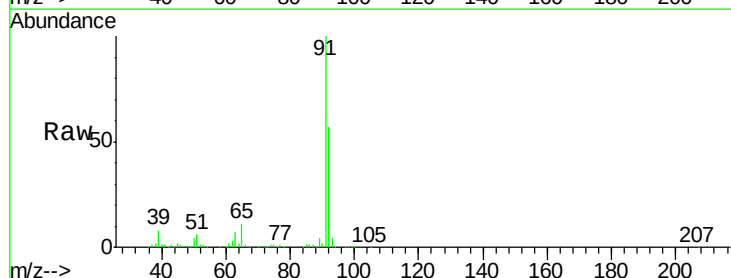
Manual Integrations
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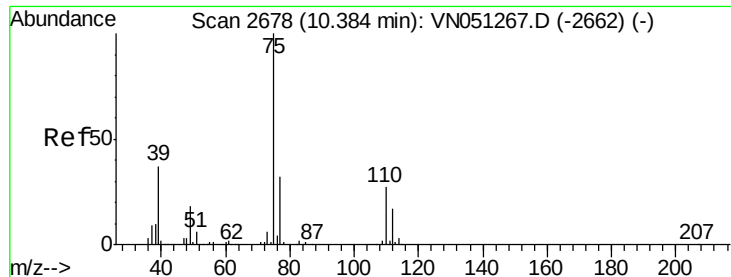
MMDadoda
9/19/2018 4:57:50 PM



#52
Toluene
Concen: 52.38 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Tgt Ion: 92 Resp: 848949
Ion Ratio Lower Upper
92 100
91 174.0 139.2 208.8





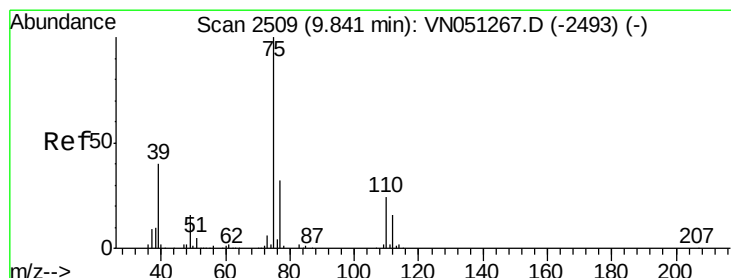
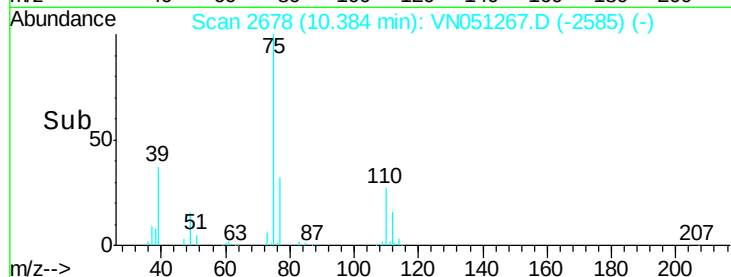
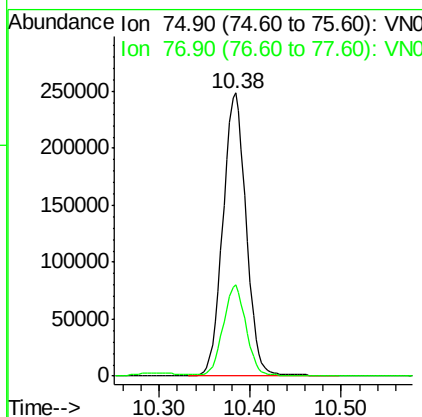
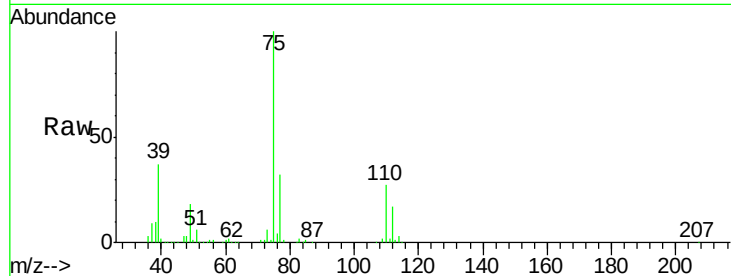
#53
t-1,3-Dichloropropene
Concen: 52.06 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3

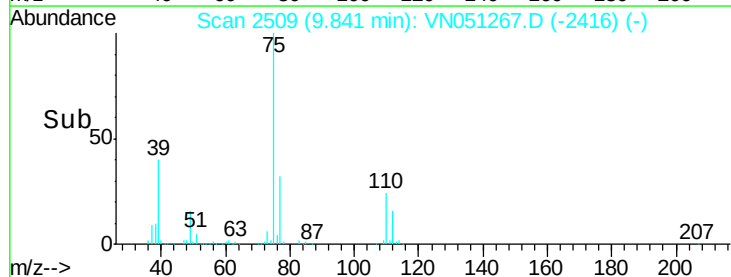
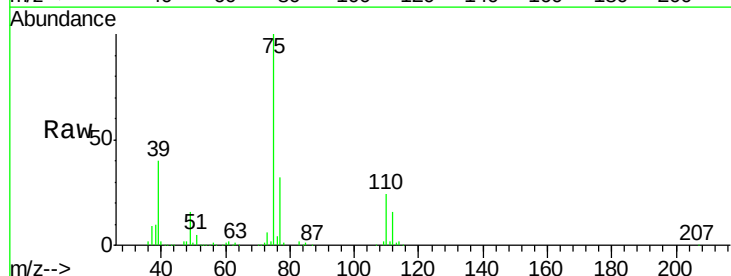
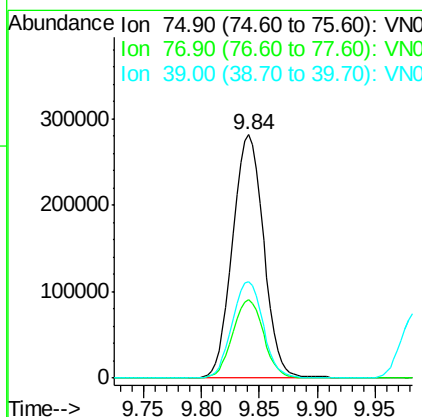
Manual Integrations
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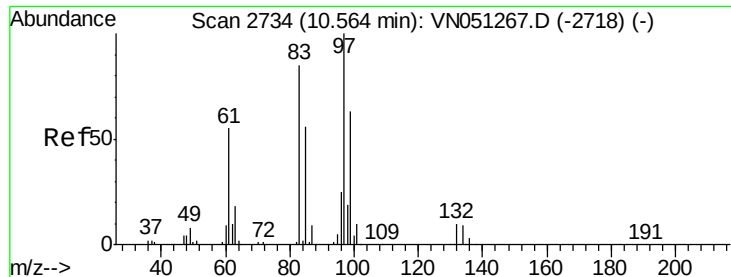
MMDadoda
9/19/2018 4:57:50 PM



#54
cis-1,3-Dichloropropene
Concen: 52.43 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.8
39	39.8	31.8	47.8





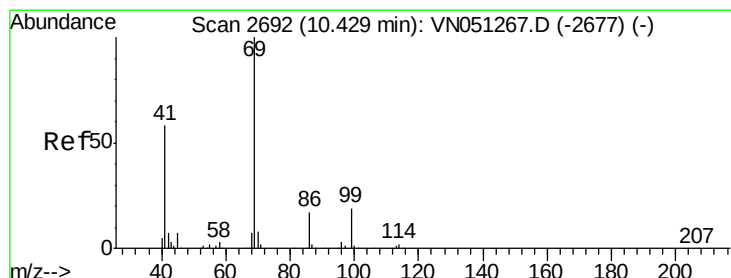
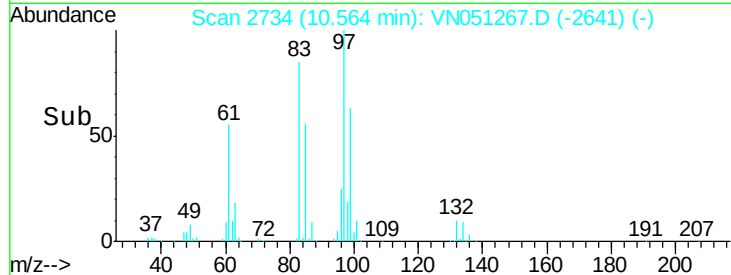
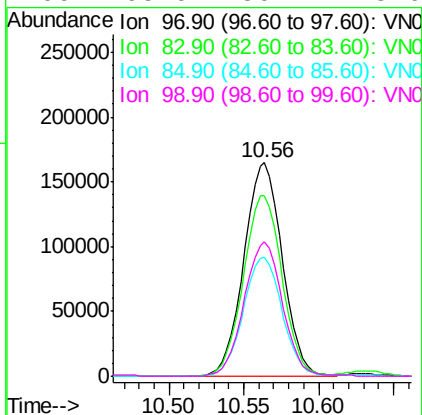
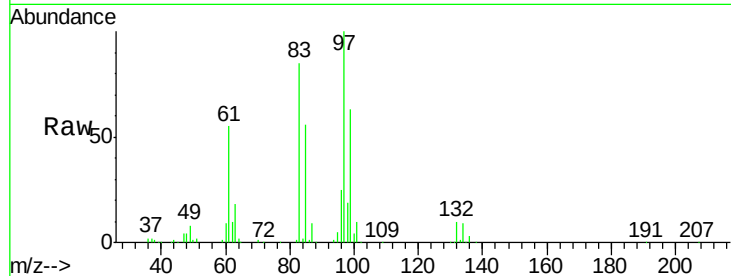
#55
 1,1,2-Trichloroethane
 Concen: 50.22 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	294576
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.7	101.5
85	55.6	44.5	66.7
99	63.0	50.4	75.6

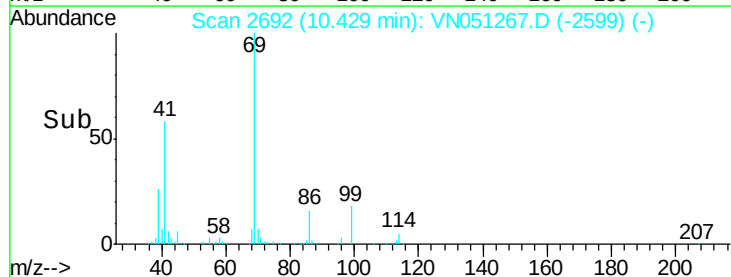
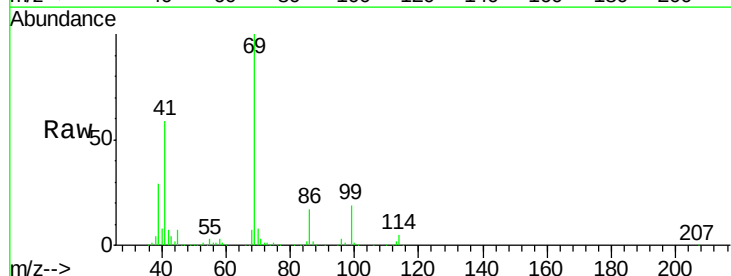
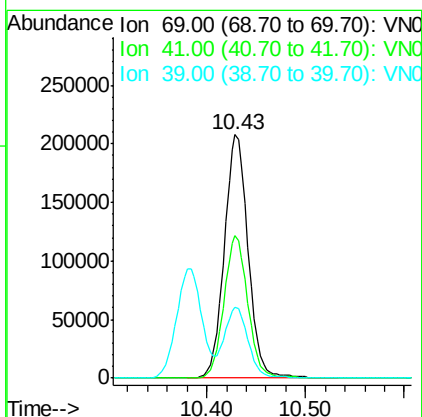
Manual Integrations
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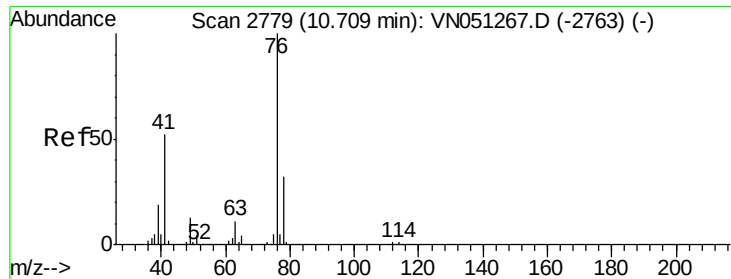
MMDadoda
 9/19/2018 4:57:50 PM



#56
 Ethyl methacrylate
 Concen: 50.71 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Tgt Ion:	69	Resp:	351953
Ion	Ratio	Lower	Upper
69	100		
41	59.2	47.4	71.0
39	29.6	23.7	35.5





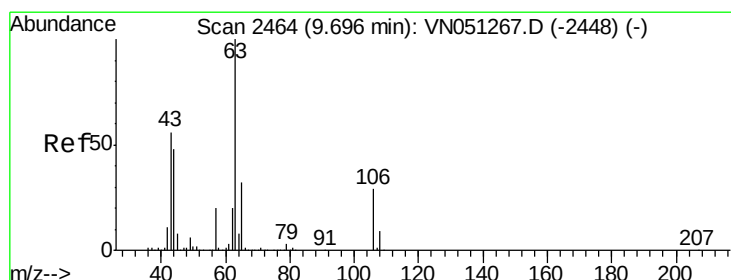
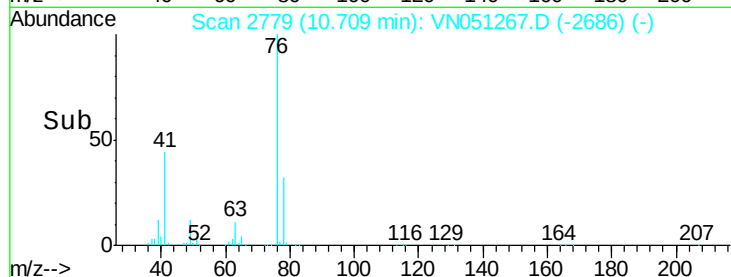
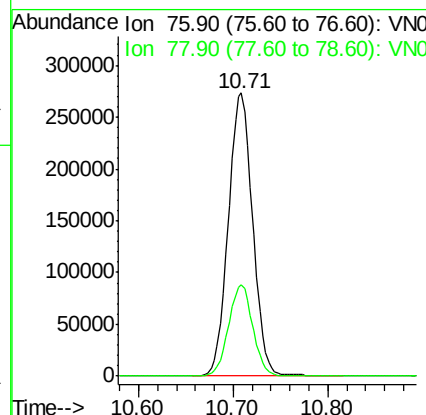
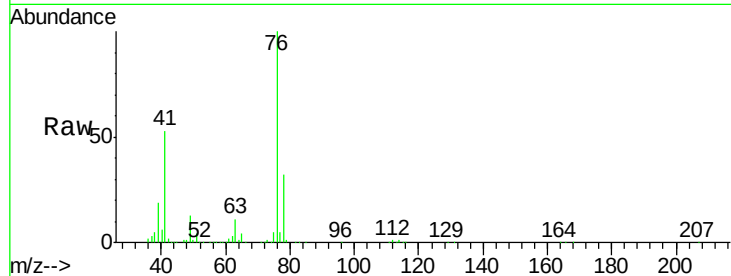
#57
 1,3-Dichloropropane
 Concen: 50.38 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

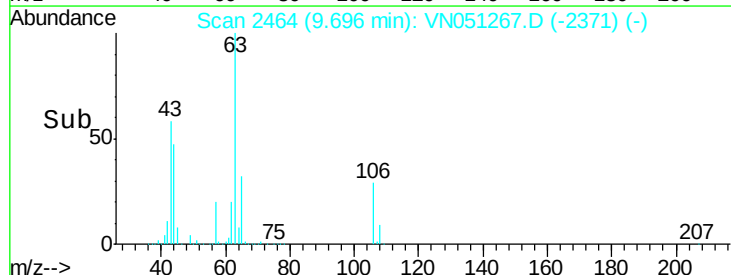
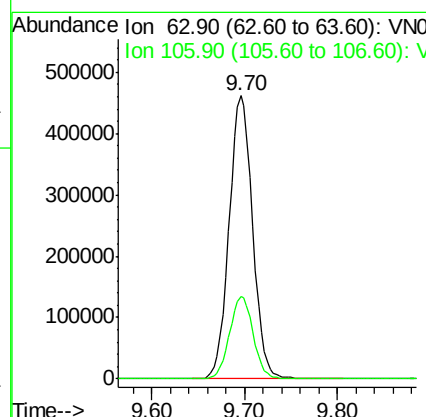
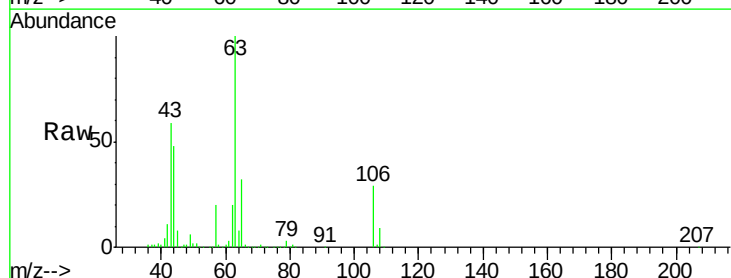
Manual Integrations
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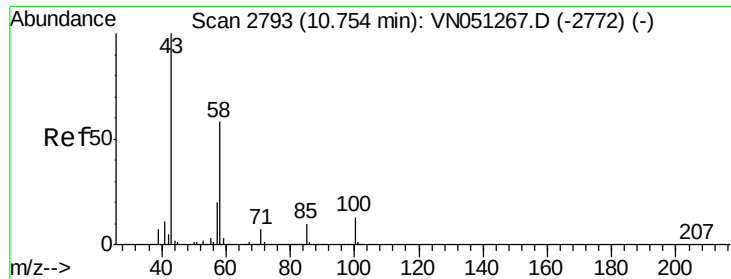
MMDadoda
 9/19/2018 4:57:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.90 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.4	35.2





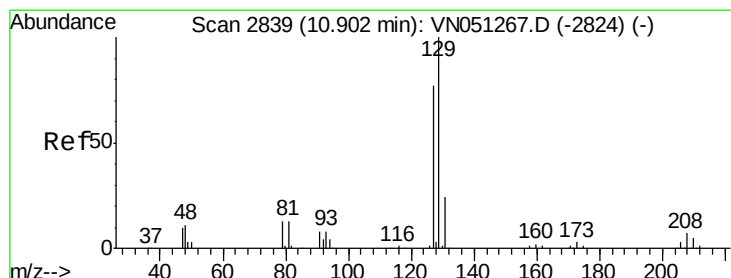
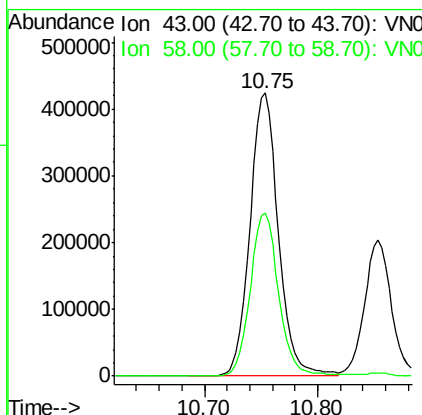
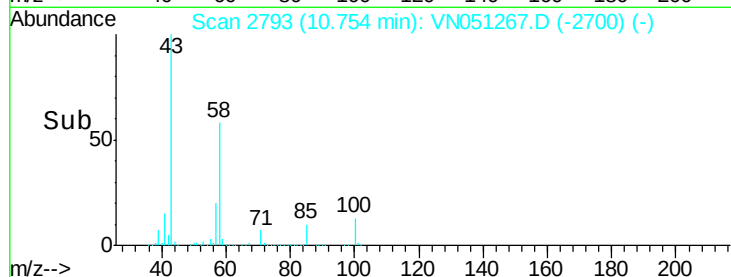
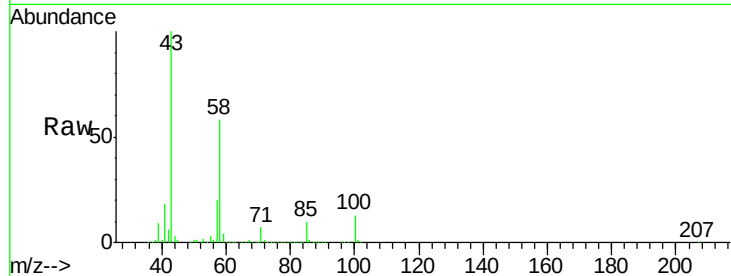
#59
2-Hexanone
Concen: 223.87 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 738072
Ion Ratio Lower Upper
43 100
58 57.9 28.9 86.8

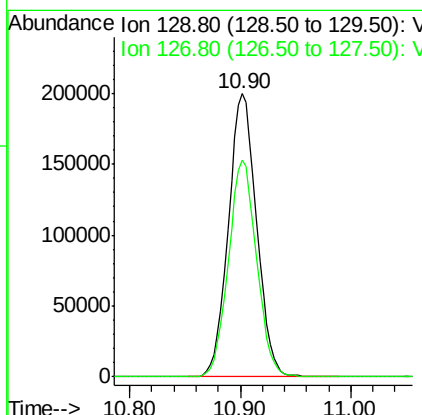
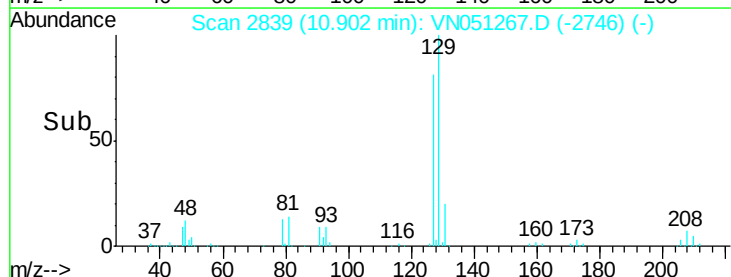
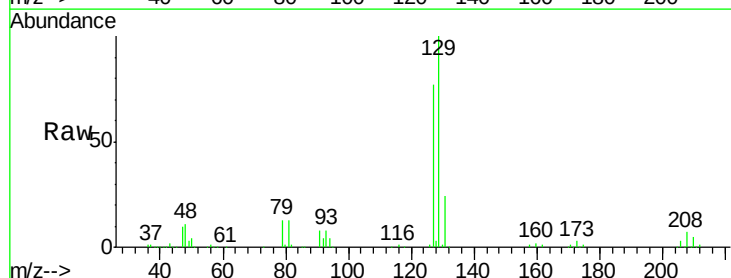
Manual Integrations
APPROVED

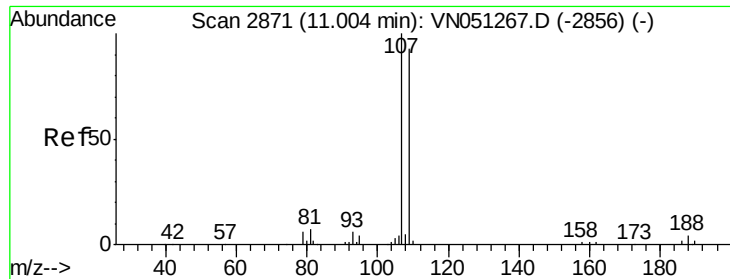
MMDadoda
9/19/2018 4:57:50 PM



#60
Dibromochloromethane
Concen: 53.01 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Tgt Ion: 129 Resp: 353745
Ion Ratio Lower Upper
129 100
127 76.6 38.3 114.9





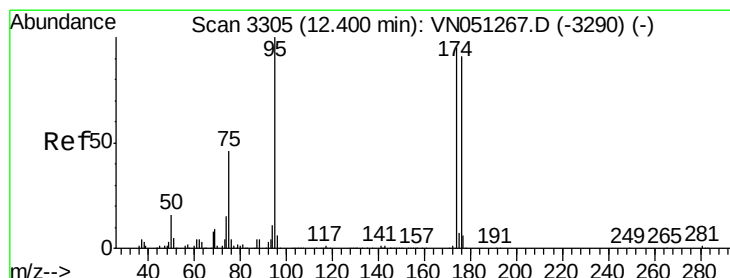
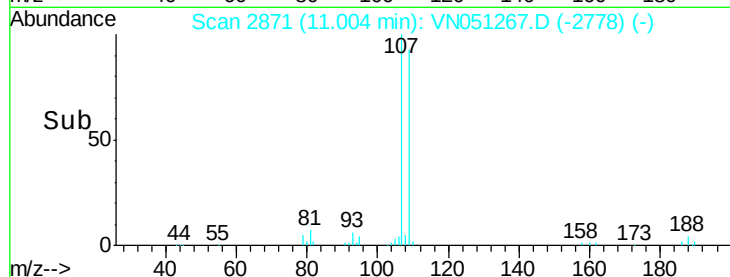
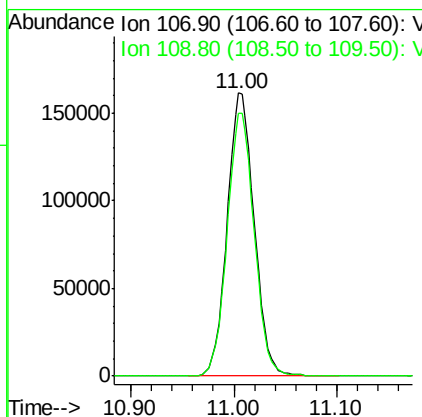
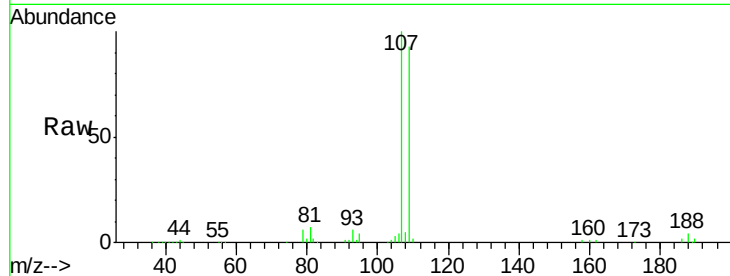
#61
 1,2-Dibromoethane
 Concen: 51.20 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 107 Resp: 294314
 Ion Ratio Lower Upper
 107 100
 109 93.4 74.7 112.1

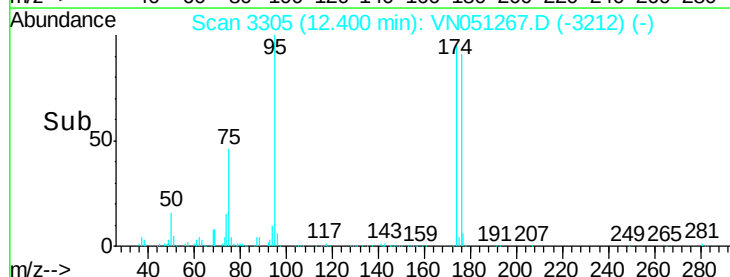
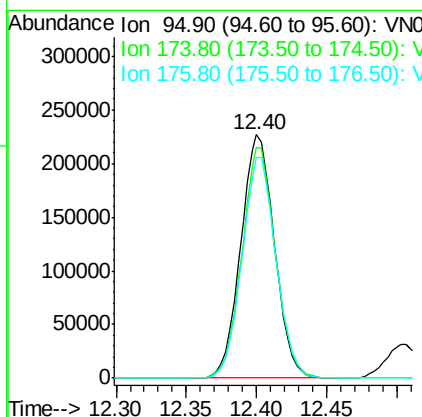
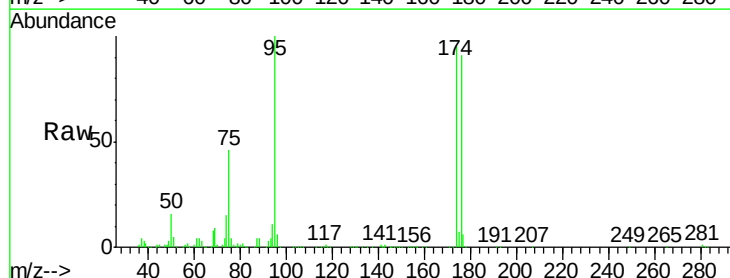
Manual Integrations
 APPROVED

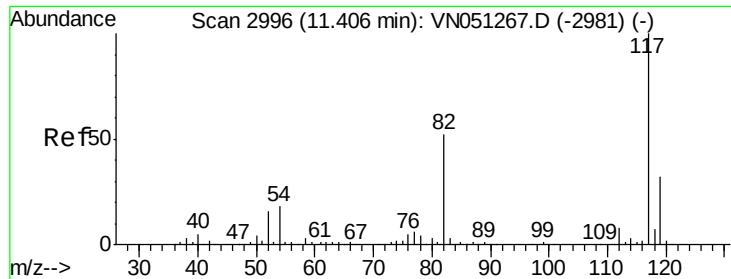
MMDadoda
 9/19/2018 4:57:50 PM



#62
 4-Bromofluorobenzene
 Concen: 50.39 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Tgt Ion: 95 Resp: 379286
 Ion Ratio Lower Upper
 95 100
 174 94.8 0.0 189.6
 176 91.3 0.0 182.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Instrument :

MSVOA_N

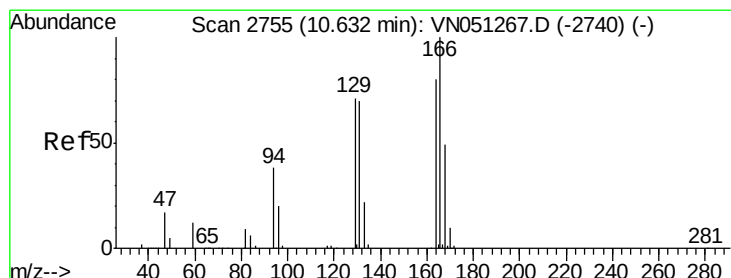
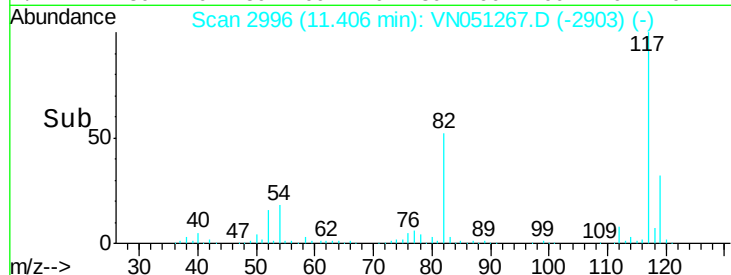
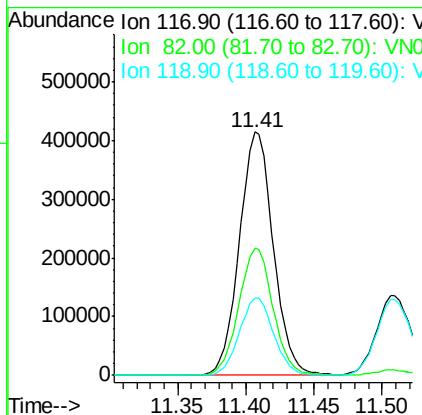
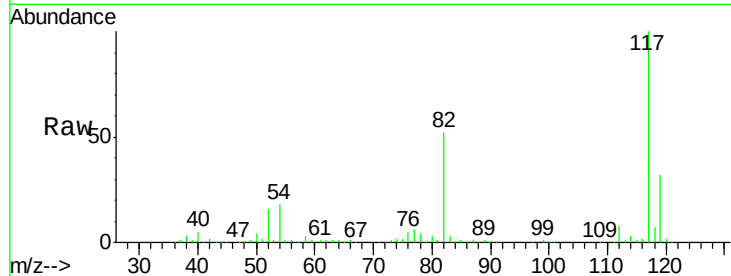
ClientSampled :

VSTDICCC050

Tot Ion:	117	Resp:	717687
Ion Ratio	Lower	Upper	
117	100		
82	52.3	41.8	62.8
119	32.0	25.6	38.4

Manual Integrations
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#64

Tetrachloroethene

Concen: 51.99 ug/l

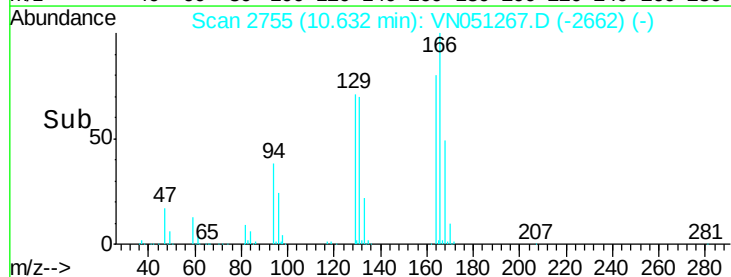
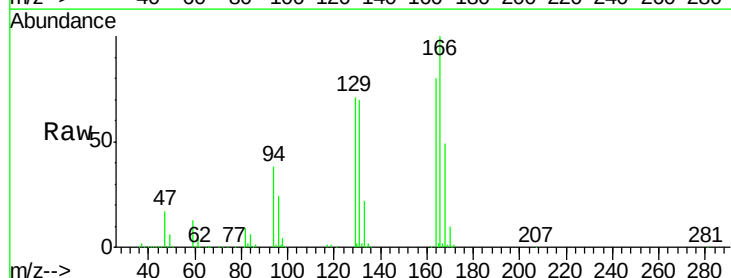
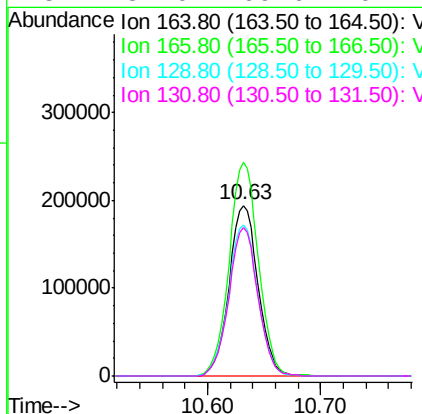
RT: 10.63 min Scan# 2755

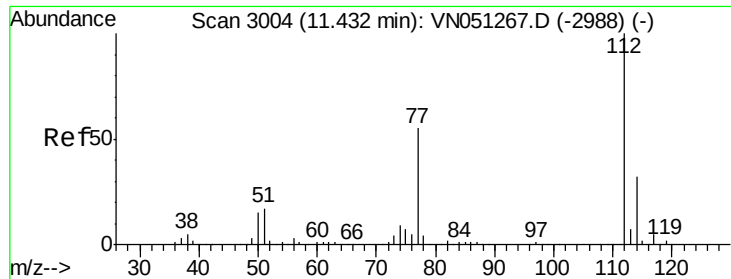
Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Tgt Ion:	164	Resp:	346143
Ion Ratio	Lower	Upper	
164	100		
166	125.0	100.0	150.0
129	88.5	70.8	106.2
131	87.0	69.6	104.4





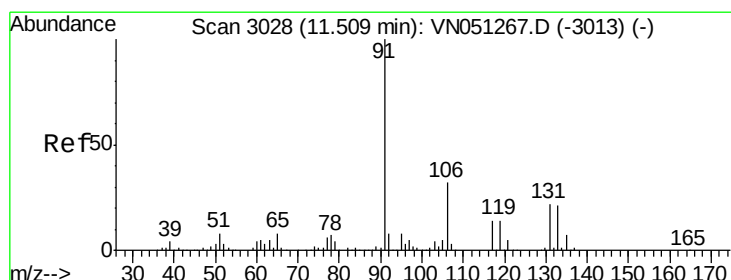
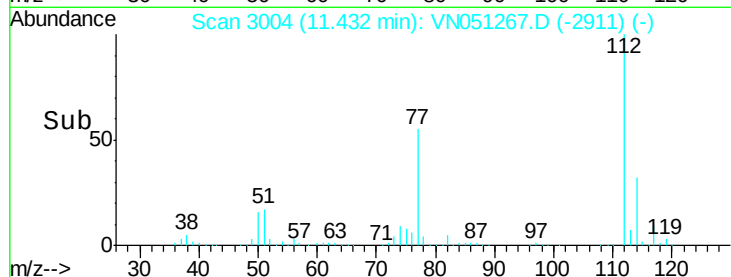
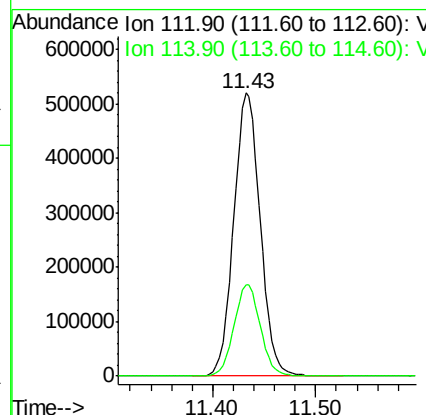
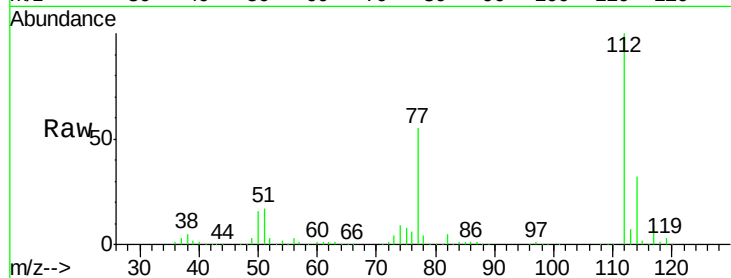
#65
Chlorobenzene
Concen: 50.92 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:112 Resp: 928137
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9

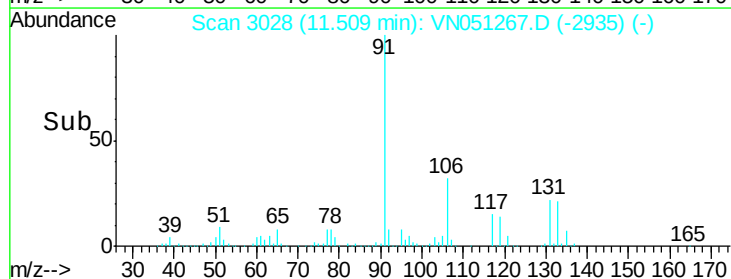
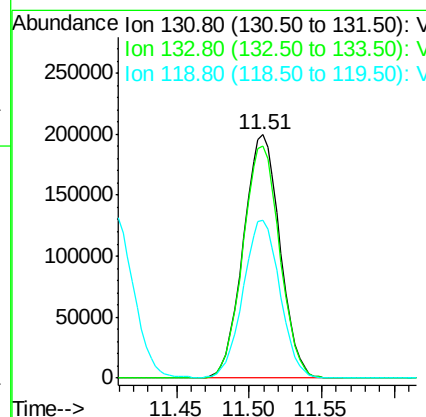
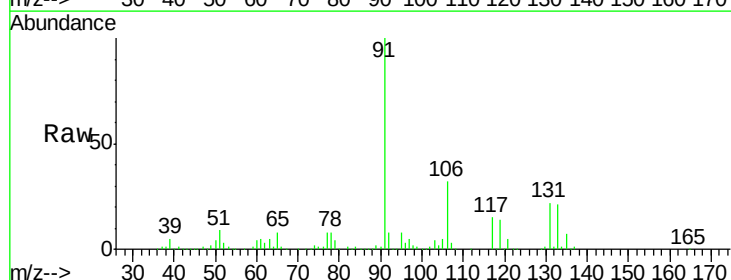
Manual Integrations
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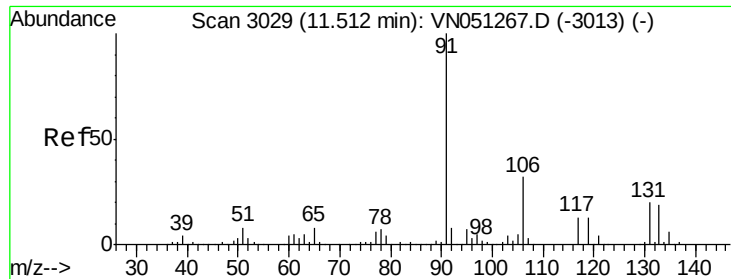
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.15 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Tgt Ion:131 Resp: 351043
Ion Ratio Lower Upper
131 100
133 95.8 47.9 143.7
119 65.3 32.6 98.0





#67

Ethyl Benzene

Concen: 53.22 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 1569987

Ion Ratio Lower Upper

91 100

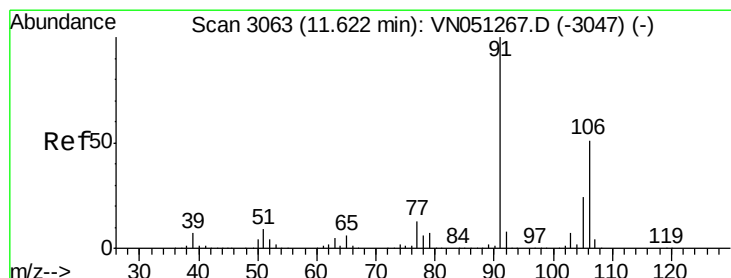
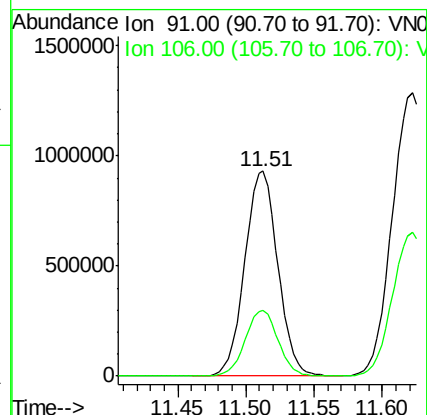
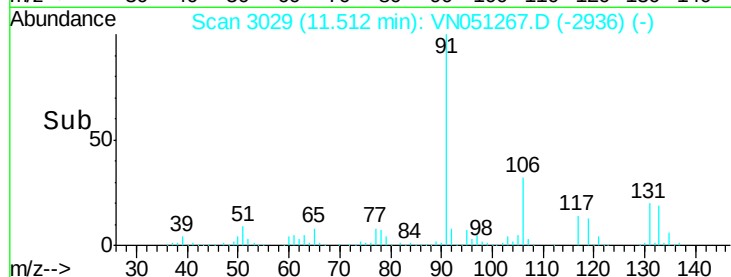
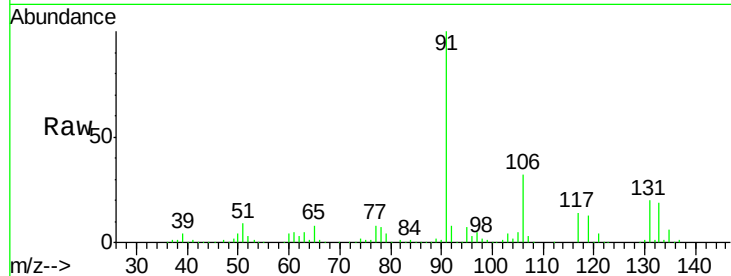
106 32.1 25.7 38.5

Manual Integrations

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9/19/2018 4:57:50 PM



#68

m/p-Xylenes

Concen: 109.46 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051267.D

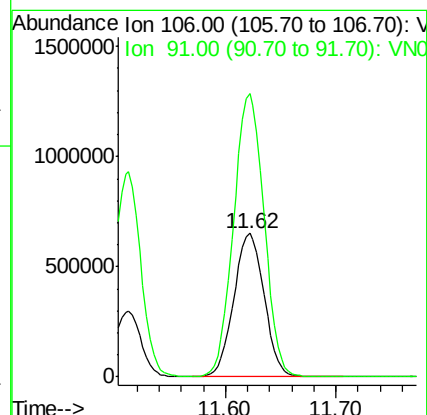
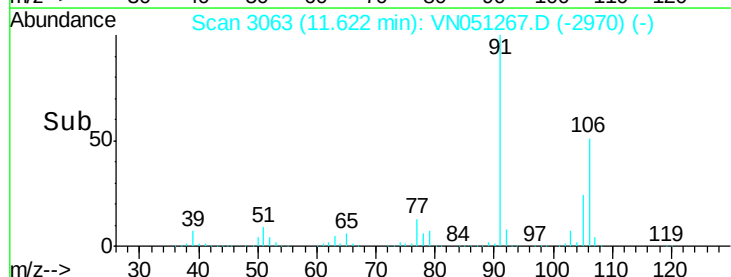
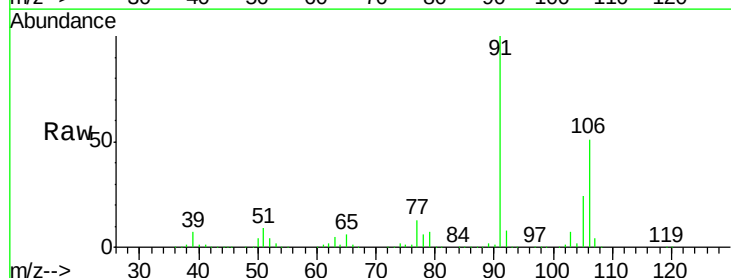
Acq: 17 Sep 2018 11:35

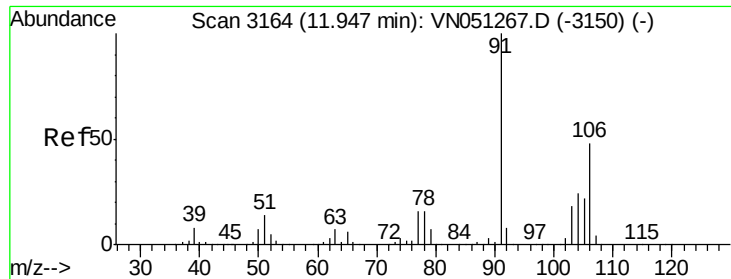
Tgt Ion: 106 Resp: 1242460

Ion Ratio Lower Upper

106 100

91 198.3 158.6 238.0





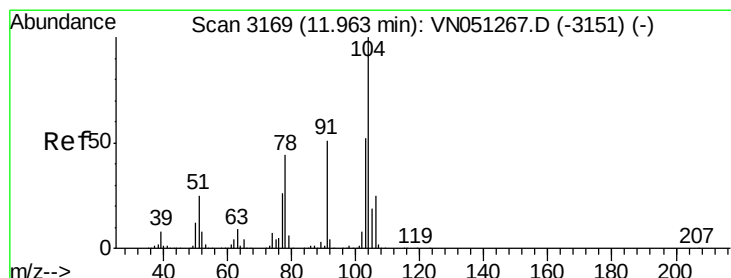
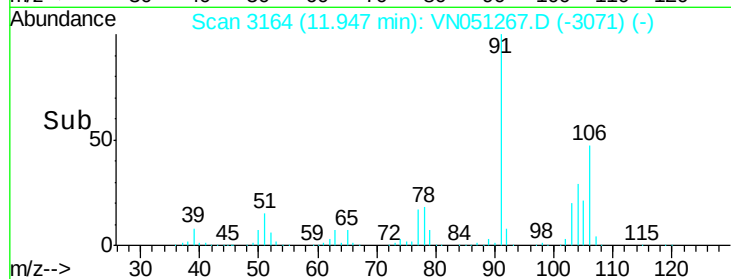
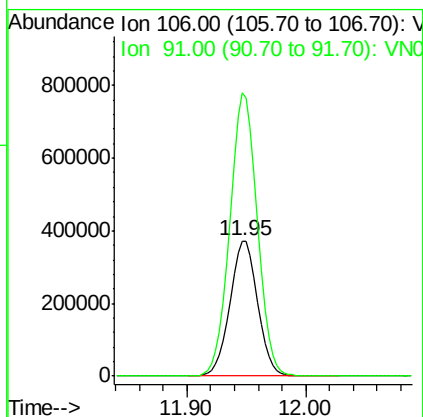
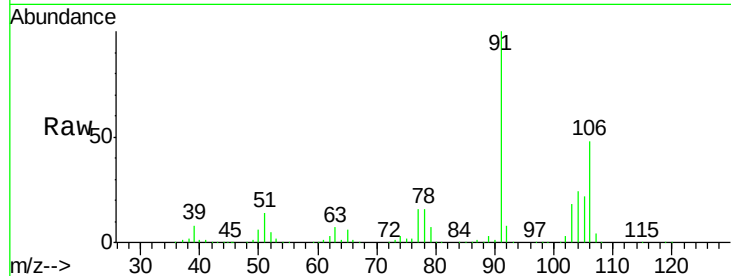
#69
o-Xylene
Concen: 54.43 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		598468		
91	208.2	104.1	312.3		

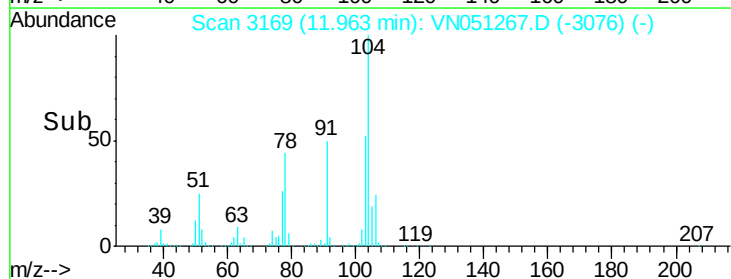
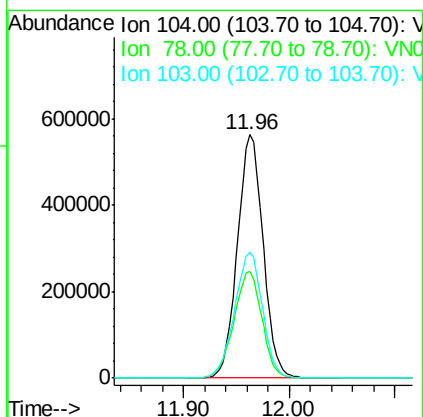
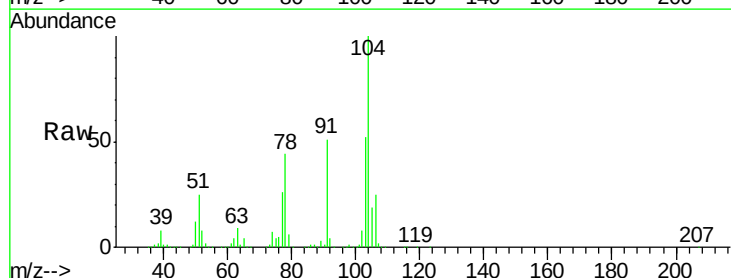
Manual Integrations
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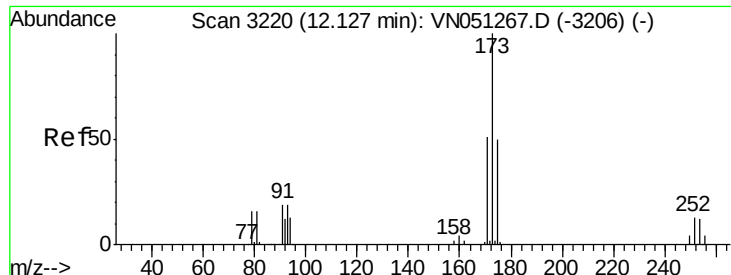
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#70
Styrene
Concen: 56.06 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		954582		
78	47.6	38.1	57.1		
103	56.0	44.8	67.2		





#71

Bromoform

Concen: 52.50 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 242618

Ion Ratio Lower Upper

173 100

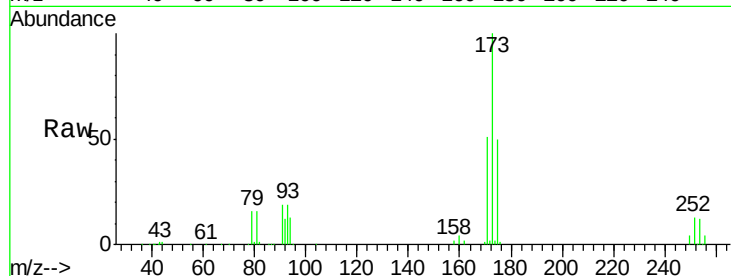
175 48.8 24.4 73.2

254 0.1 0.1 0.1#

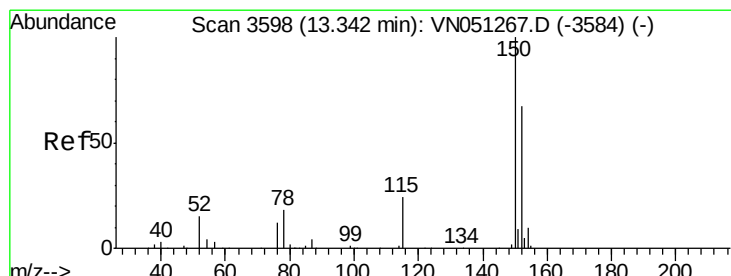
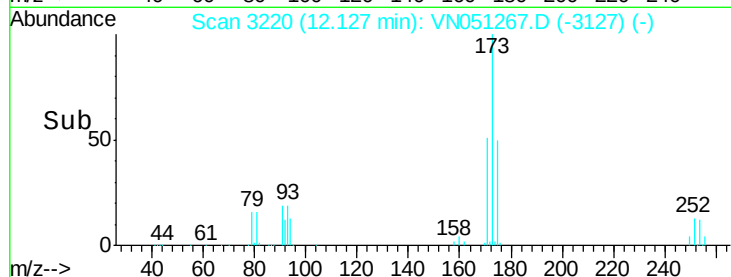
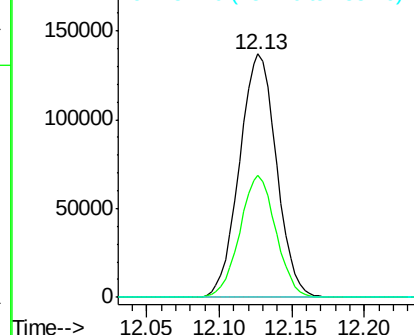
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

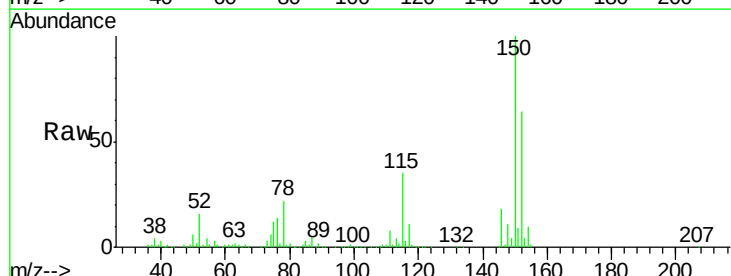
Tgt Ion:152 Resp: 370692

Ion Ratio Lower Upper

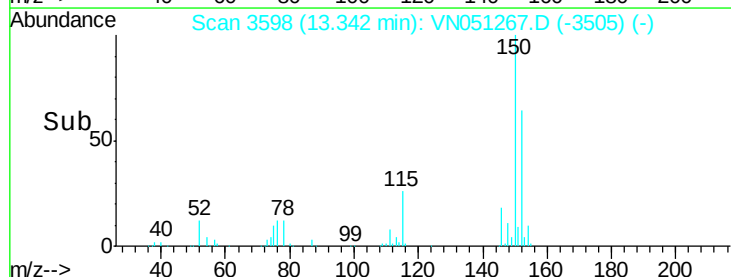
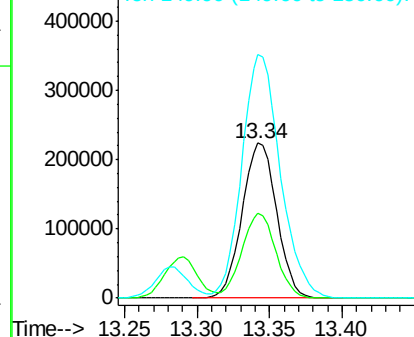
152 100

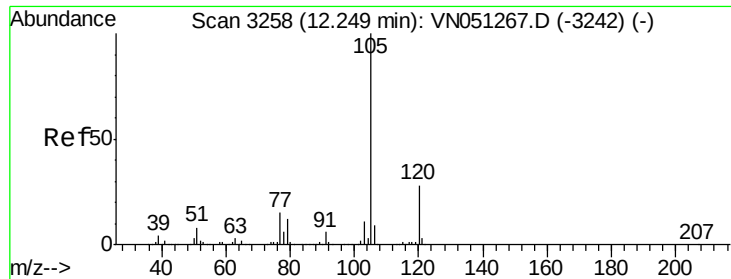
115 54.1 27.1 81.2

150 174.5 0.0 349.0



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





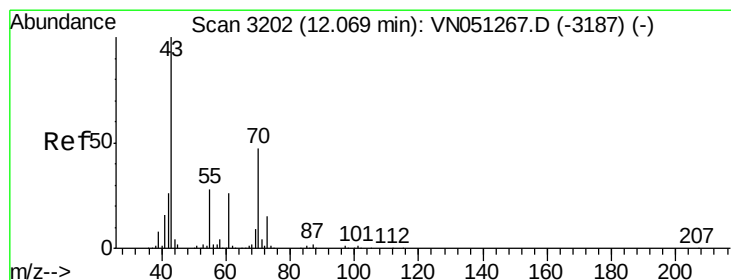
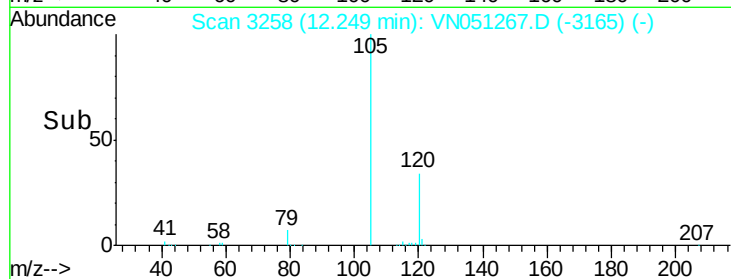
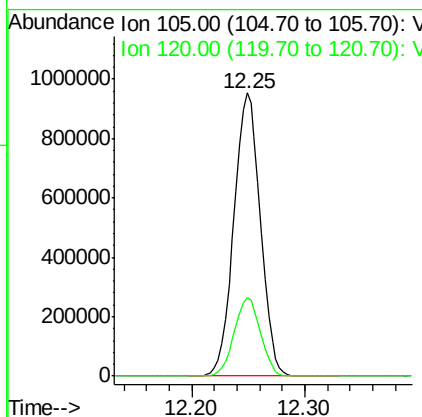
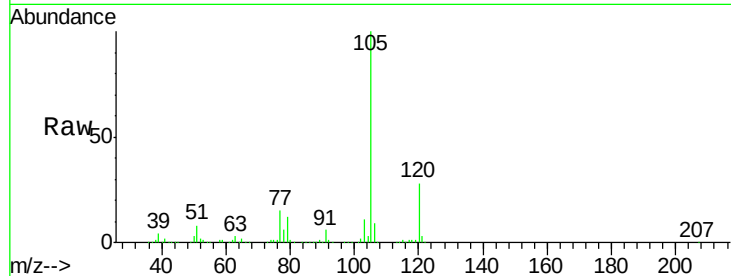
#73
Isopropylbenzene
Concen: 49.62 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:105 Resp: 1548353
Ion Ratio Lower Upper
105 100
120 27.6 13.8 41.4

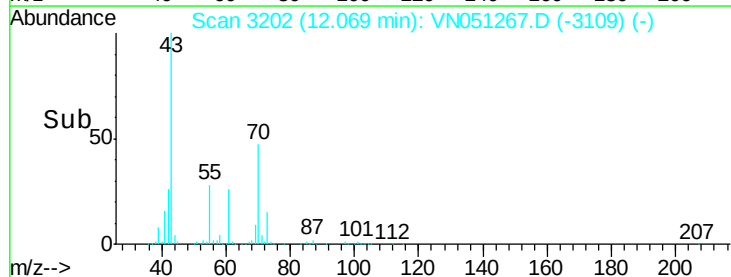
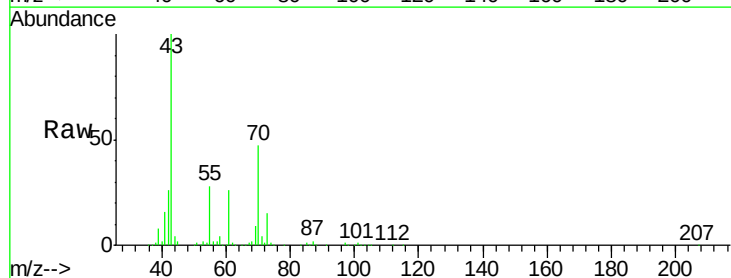
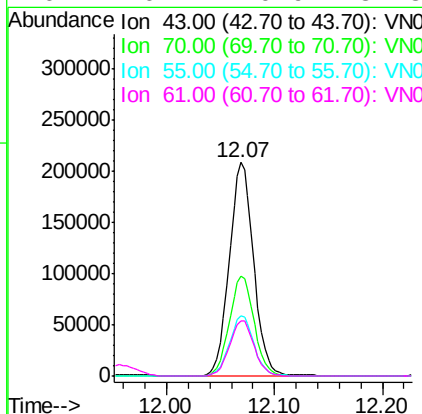
Manual Integrations
APPROVED

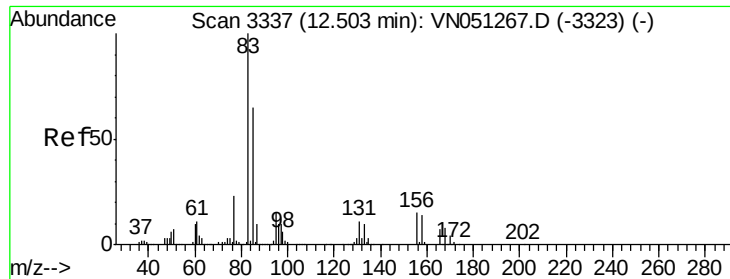
MMDadoda
9/19/2018 4:57:50 PM



#74
N-ethyl acetate
Concen: 43.07 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Tgt Ion: 43 Resp: 329854
Ion Ratio Lower Upper
43 100
70 47.2 37.8 56.6
55 28.3 22.6 34.0
61 26.1 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 42.45 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 350115

Ion Ratio Lower Upper

83 100

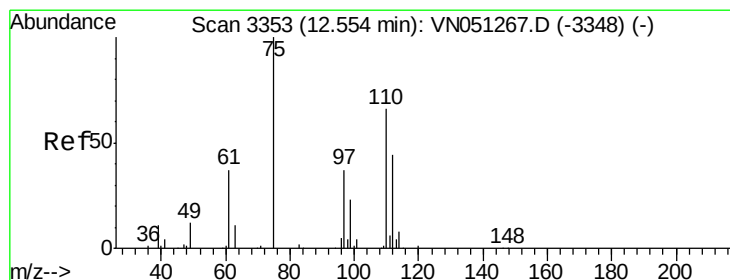
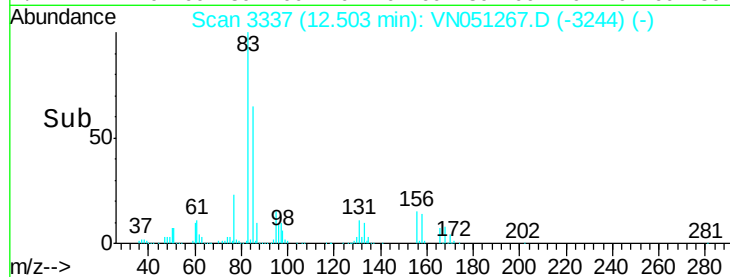
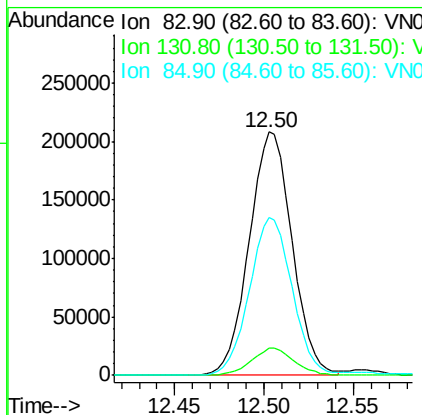
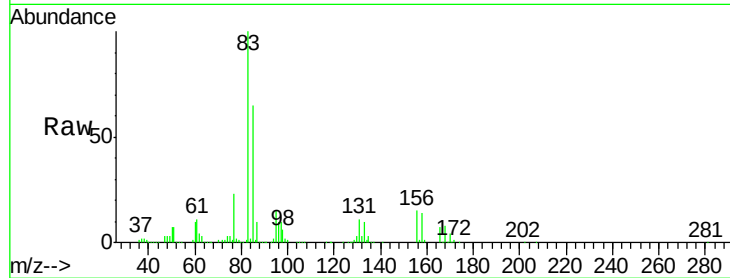
131 11.1 5.5 16.7

85 64.6 32.3 96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 41.91 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051267.D

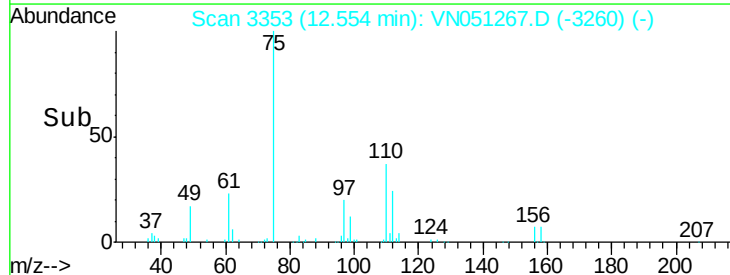
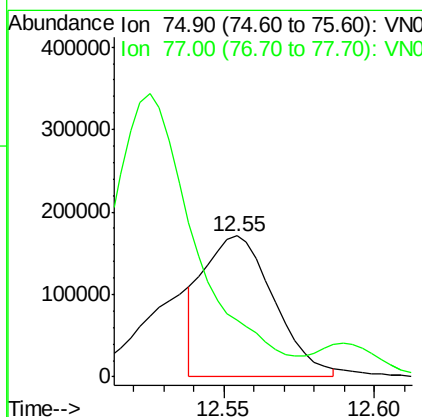
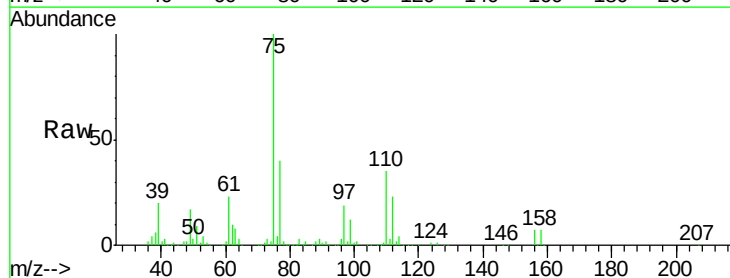
Acq: 17 Sep 2018 11:35

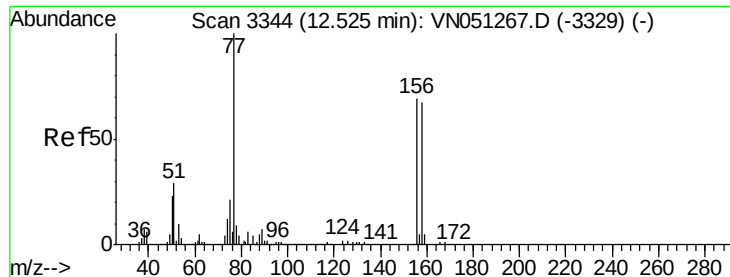
Tgt Ion: 75 Resp: 277819

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.96 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 403033

Ion Ratio Lower Upper

156 100

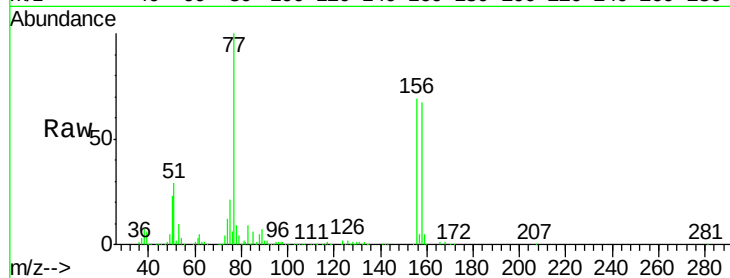
77 167.4 83.7 251.1

158 98.1 49.0 147.2

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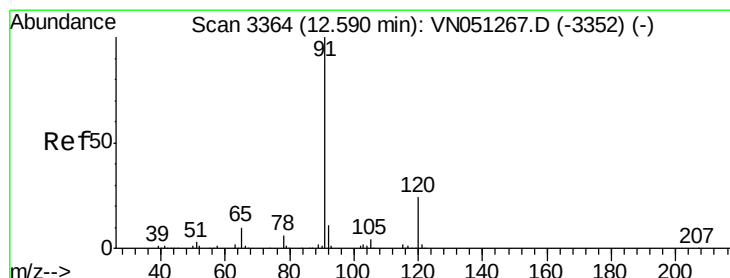
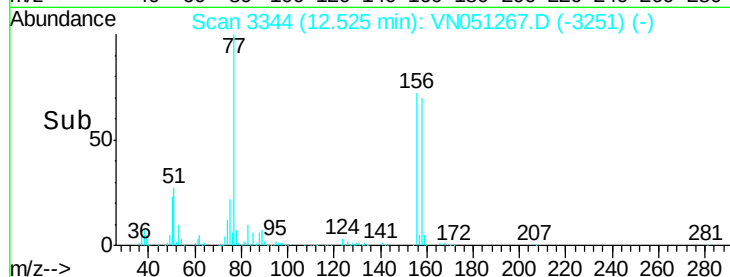
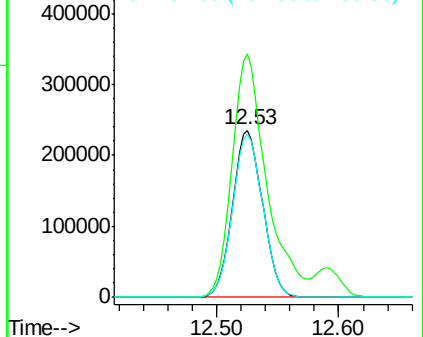
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.52 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051267.D

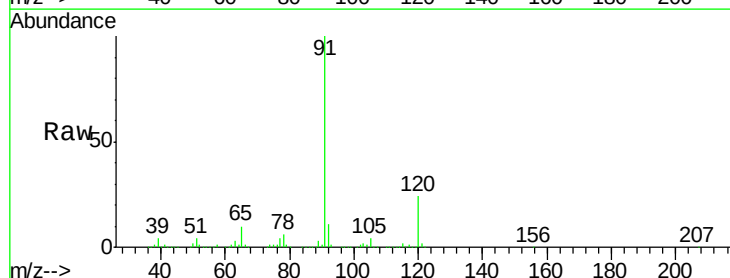
Acq: 17 Sep 2018 11:35

Tgt Ion: 91 Resp: 1733140

Ion Ratio Lower Upper

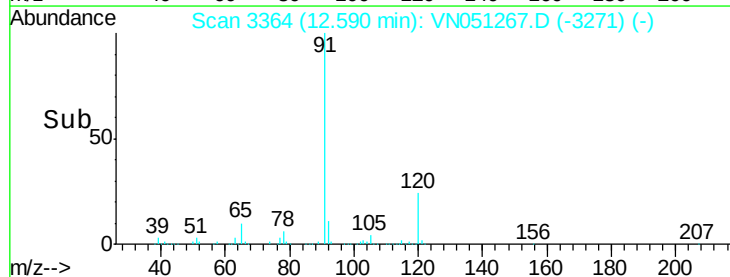
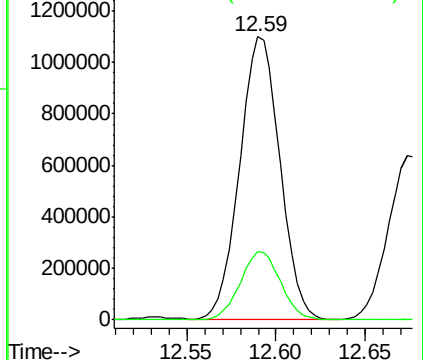
91 100

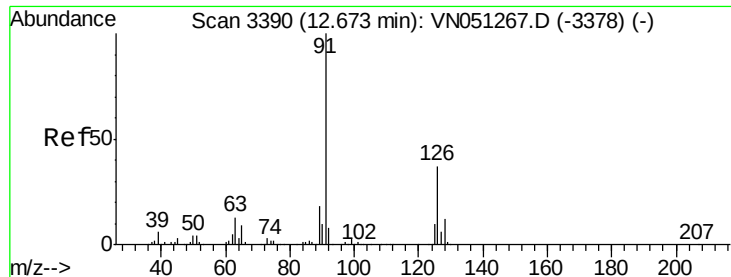
120 24.2 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.48 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1039504

Ion Ratio Lower Upper

91 100

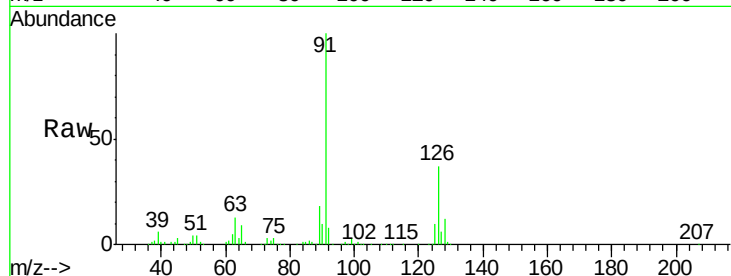
126 36.4 18.2 54.6

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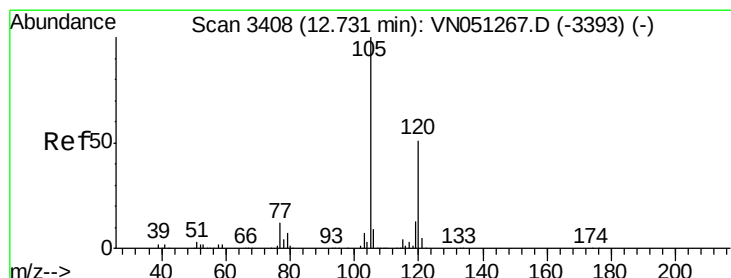
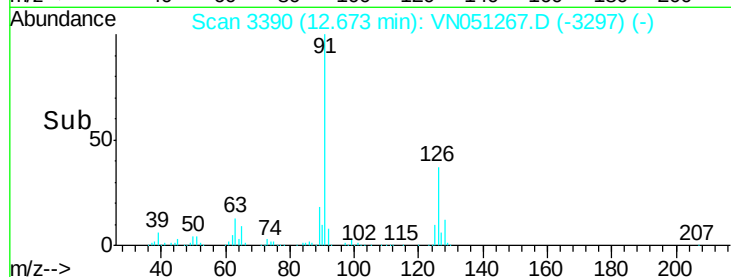
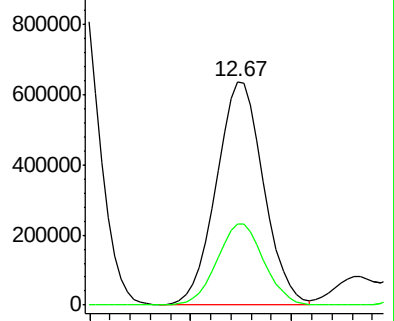
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Abundance Ion 91.00 (90.70 to 91.70): VN051267.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051267.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.99 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051267.D

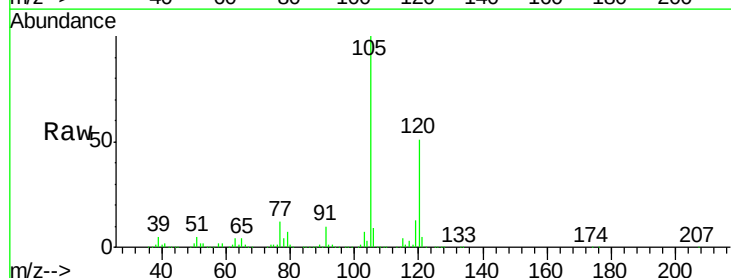
Acq: 17 Sep 2018 11:35

Tgt Ion: 105 Resp: 1288354

Ion Ratio Lower Upper

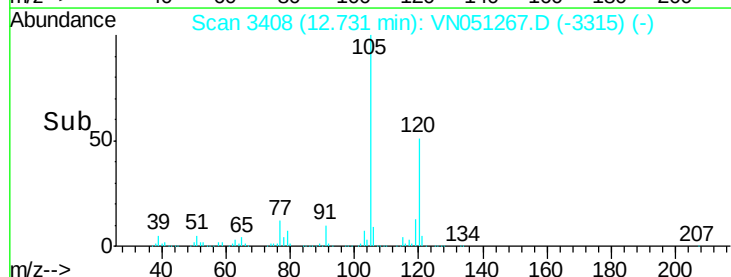
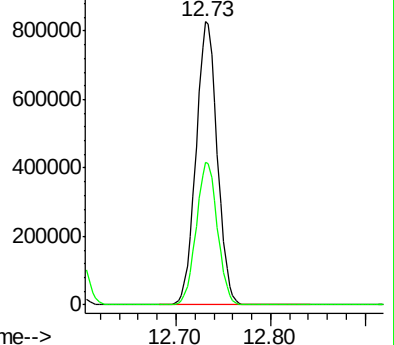
105 100

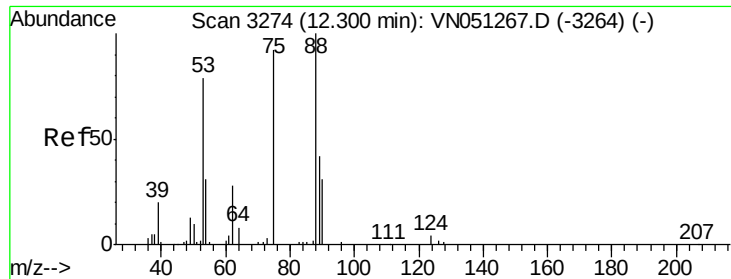
120 50.5 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VN051267.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN051267.D (-3393) (-)





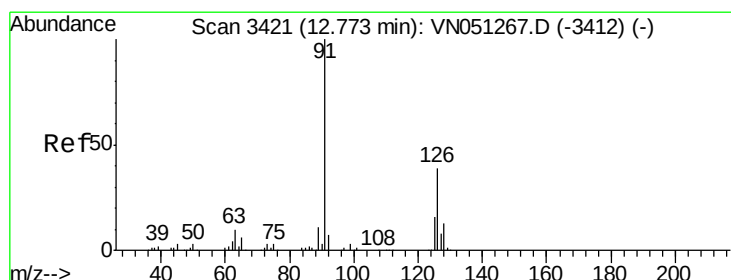
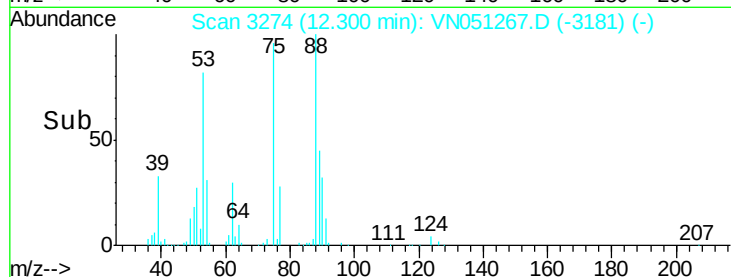
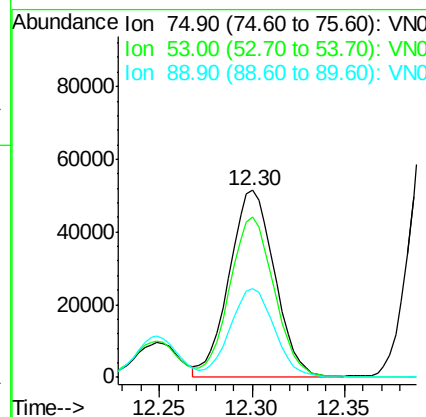
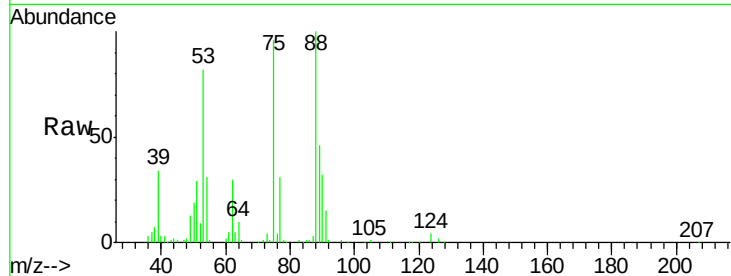
#81
trans-1,4-Dichloro-2-butene
Concen: 45.68 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.6	67.7	101.5
89	46.1	36.9	55.3

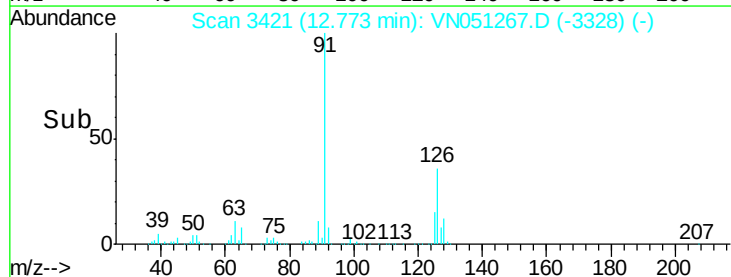
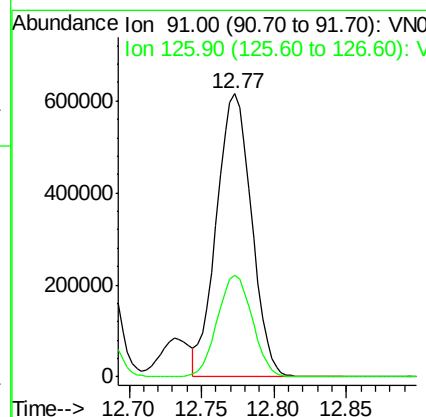
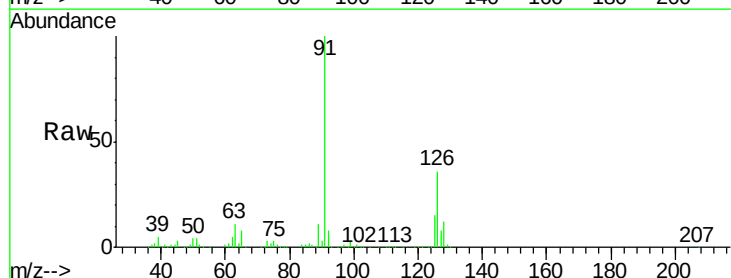
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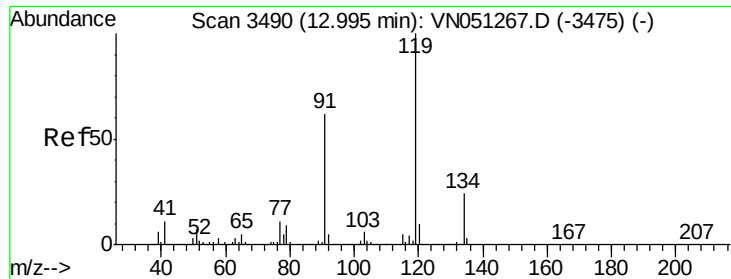
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#82
4-Chlorotoluene
Concen: 48.51 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.9	53.8





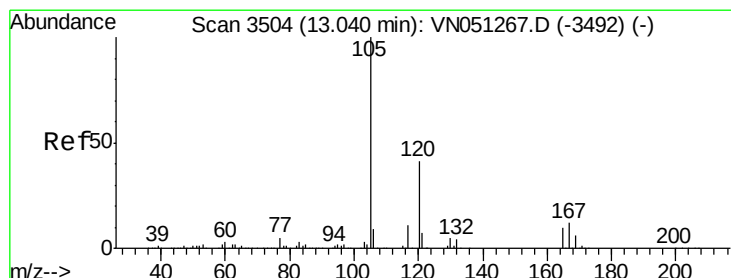
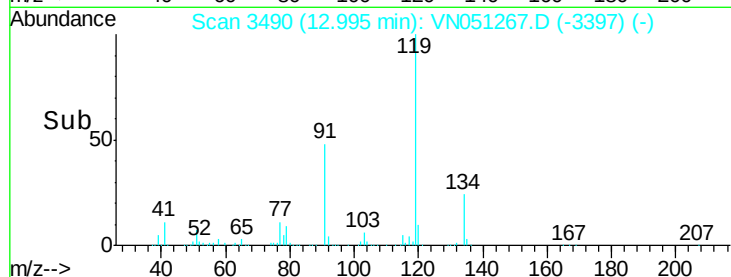
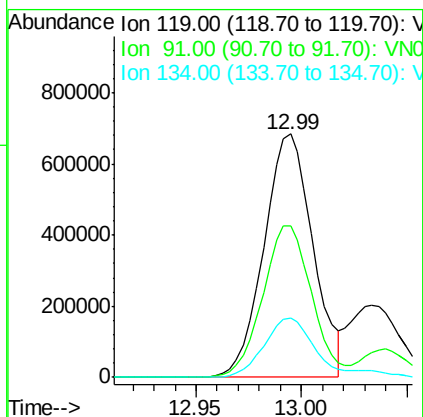
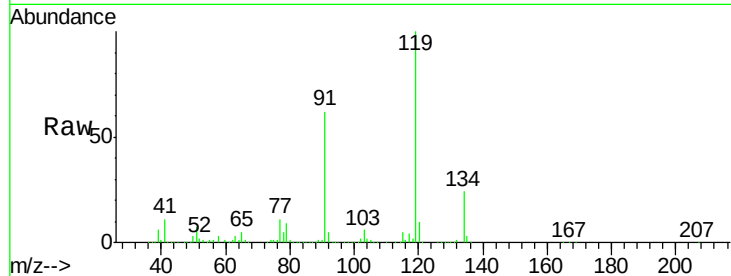
#83
 tert-Butylbenzene
 Concen: 49.69 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:119 Resp: 1107225
 Ion Ratio Lower Upper
 119 100
 91 61.6 30.8 92.4
 134 24.7 12.4 37.0

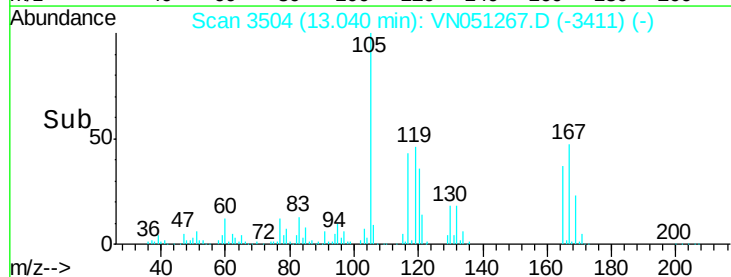
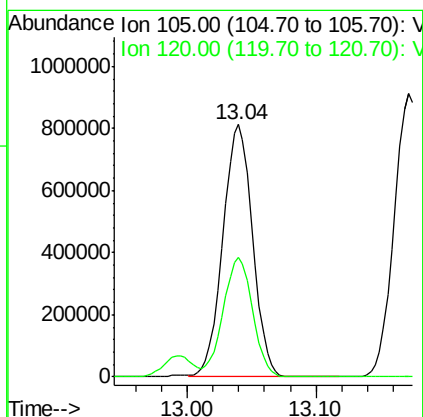
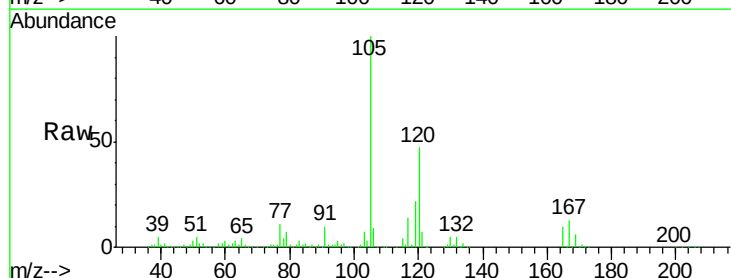
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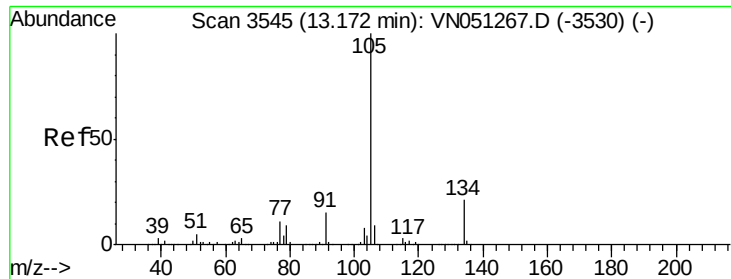
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.06 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Tgt Ion:105 Resp: 1292323
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.5 70.6





#85

sec-Butylbenzene

Concen: 50.57 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1446363

Ion Ratio Lower Upper

105 100

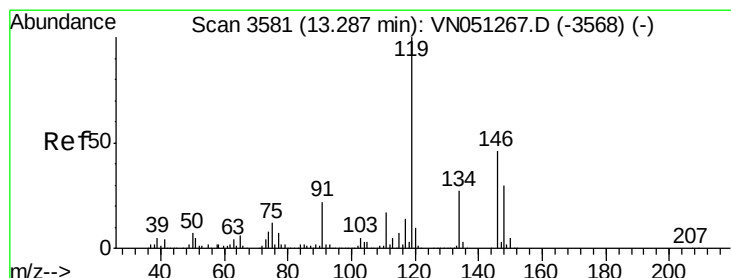
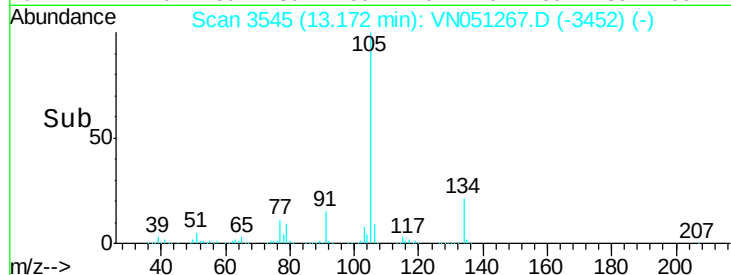
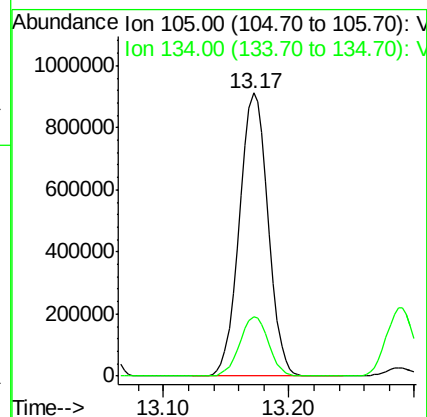
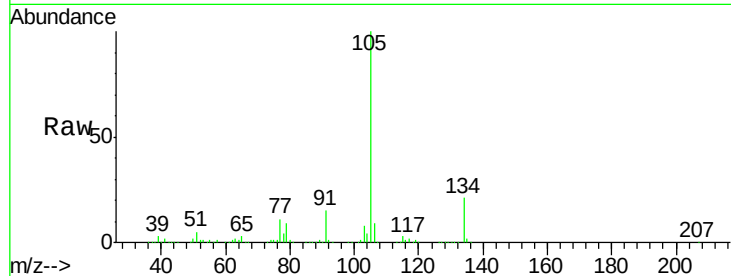
134 21.1 10.5 31.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.66 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

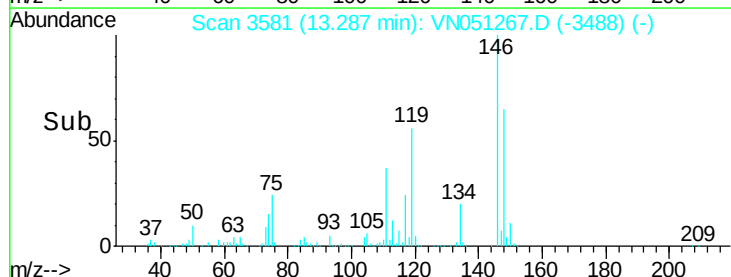
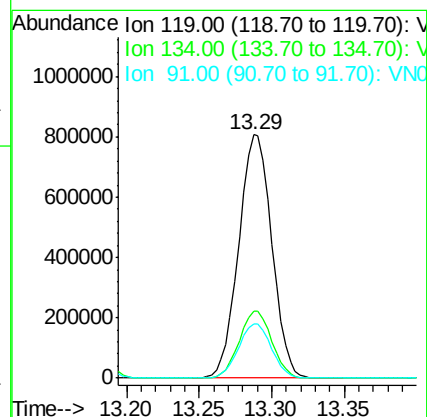
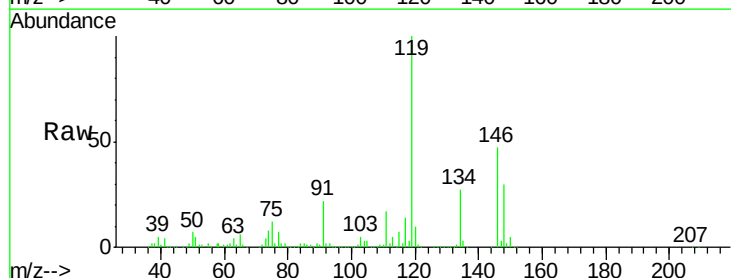
Tgt Ion:119 Resp: 1275629

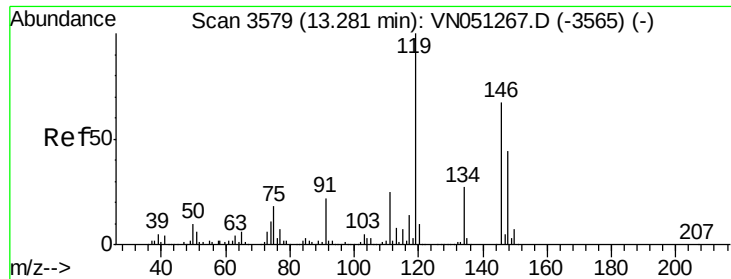
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 22.1 11.1 33.1





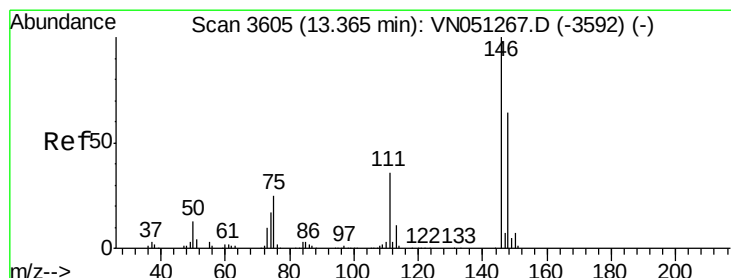
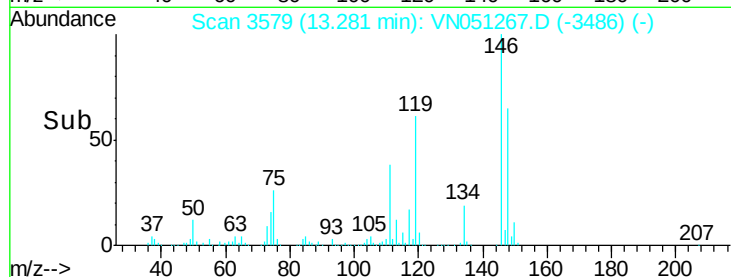
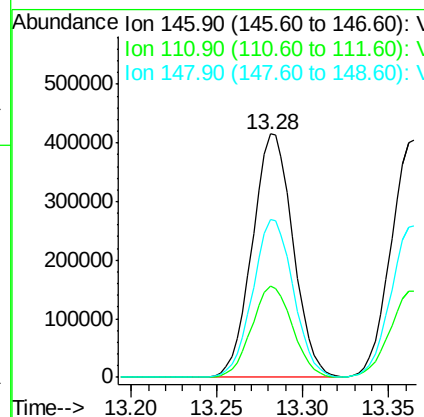
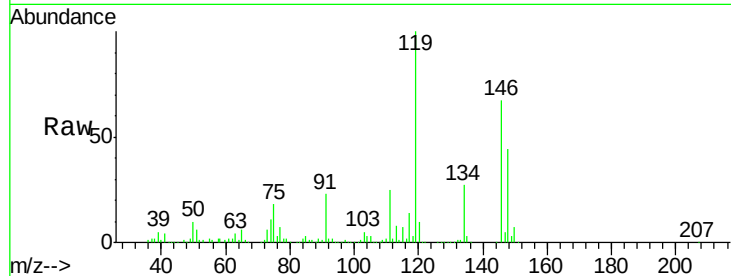
#87
 1,3-Dichlorobenzene
 Concen: 48.11 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	64.4	32.2	96.6

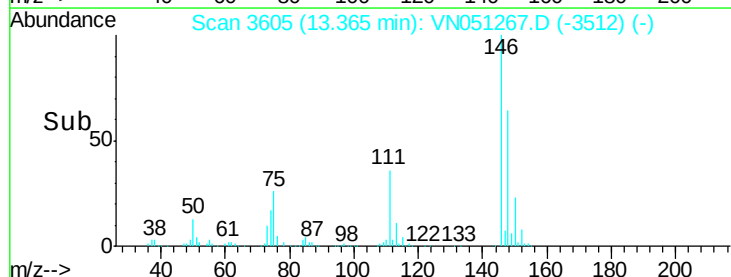
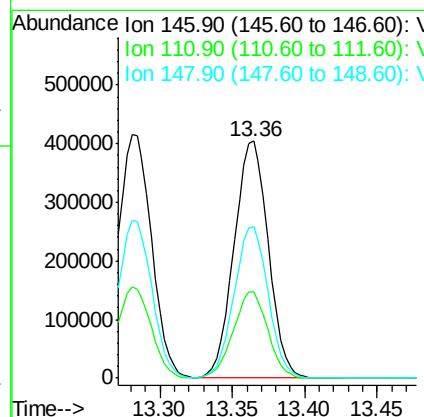
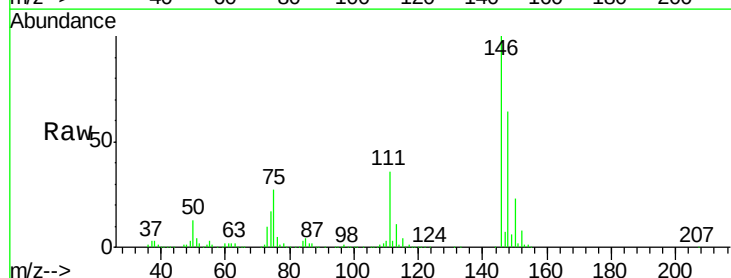
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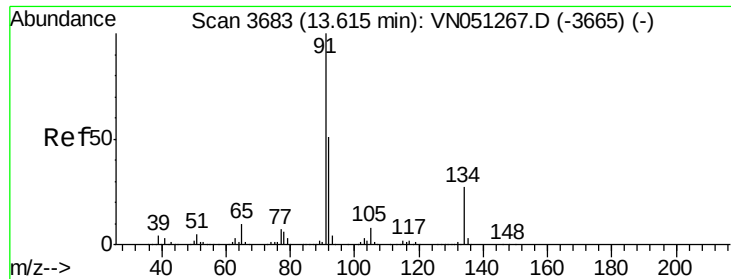
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#88
 1,4-Dichlorobenzene
 Concen: 47.37 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.2	54.6
148	63.8	31.9	95.7





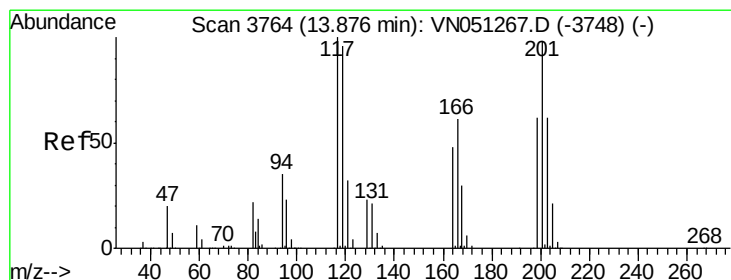
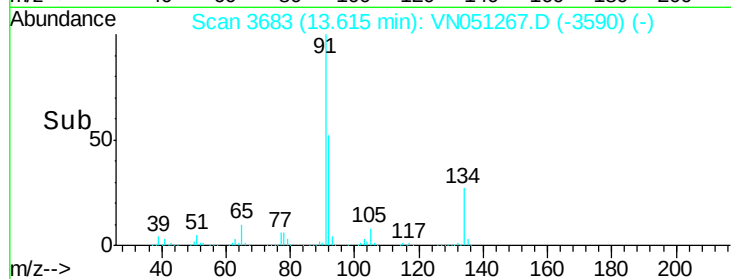
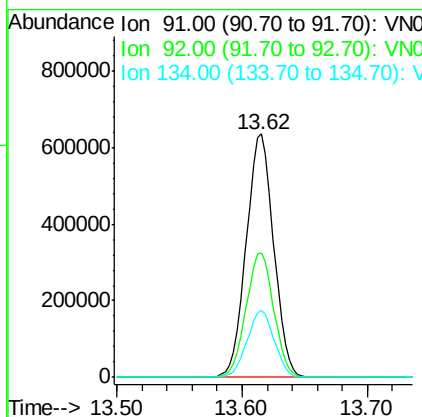
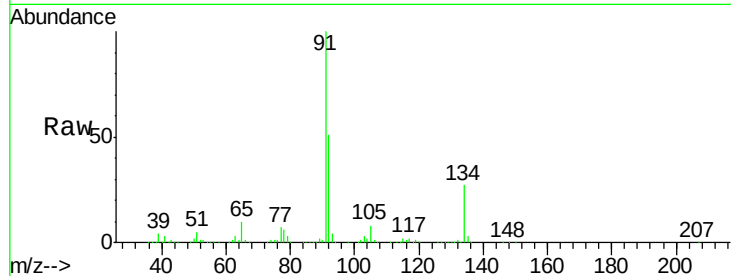
#89
n-Butylbenzene
Concen: 51.61 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.8	77.4
134	27.3	13.7	41.0

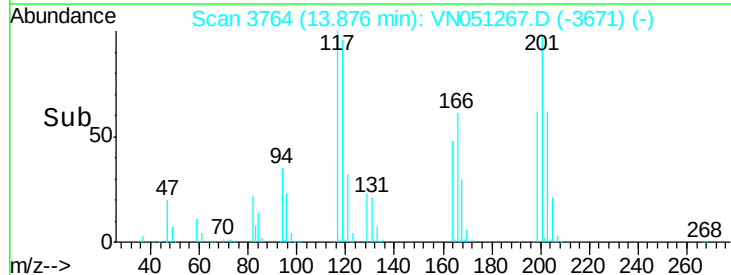
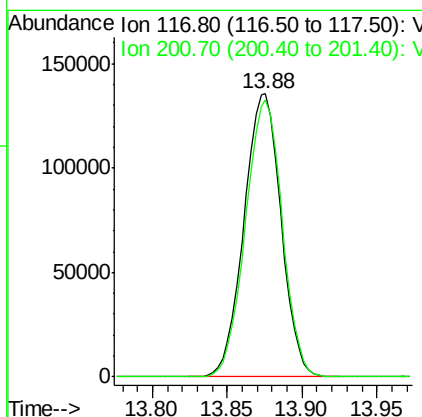
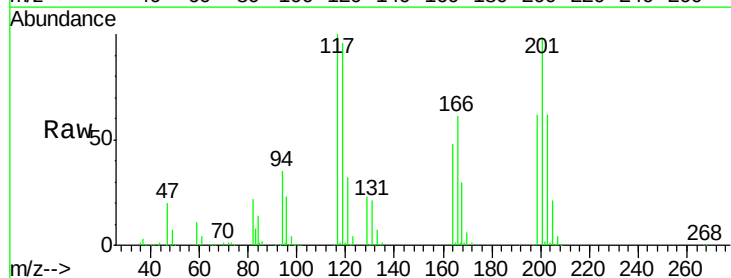
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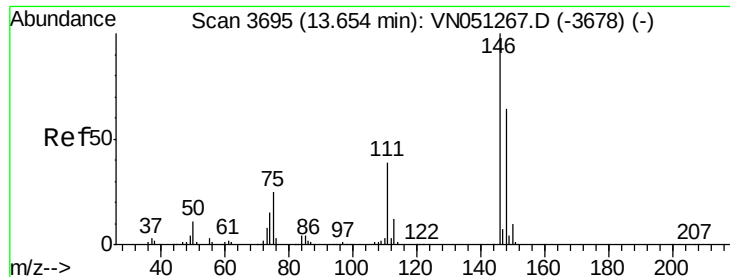
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#90
Hexachloroethane
Concen: 46.93 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051267.D
Acq: 17 Sep 2018 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.9	48.4	145.3





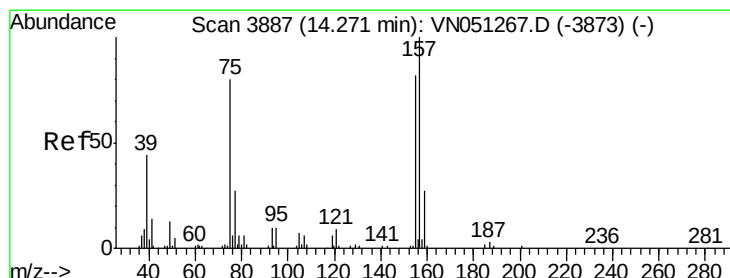
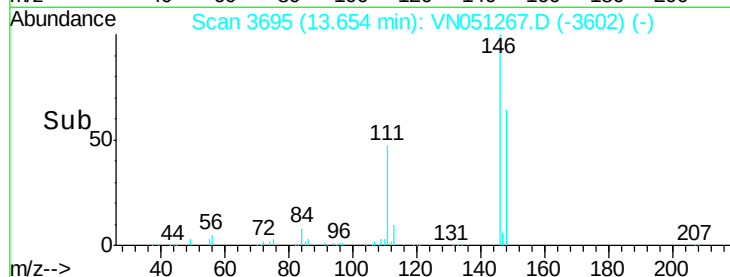
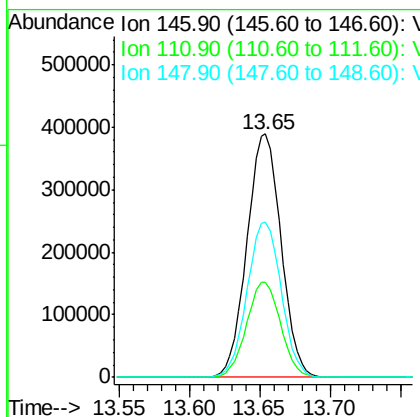
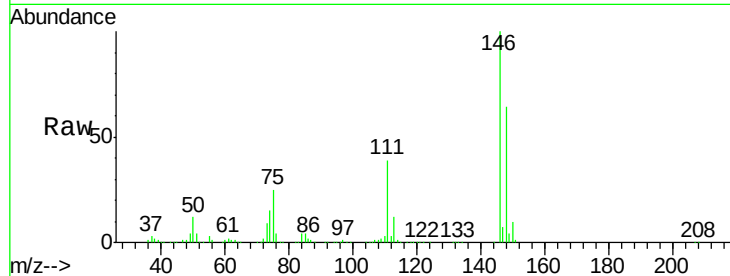
#91
 1,2-Dichlorobenzene
 Concen: 47.76 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	660615		
111	39.1	19.6	58.7	
148	63.9	31.9	95.9	

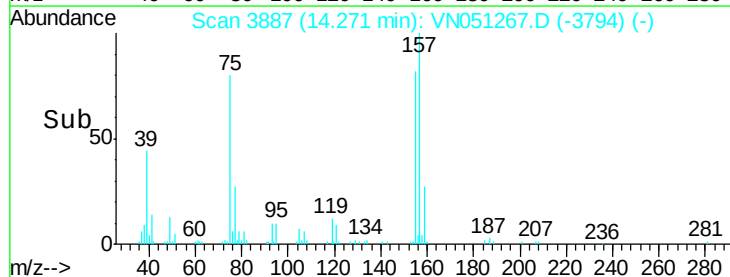
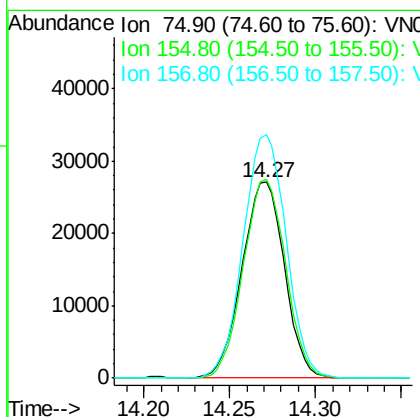
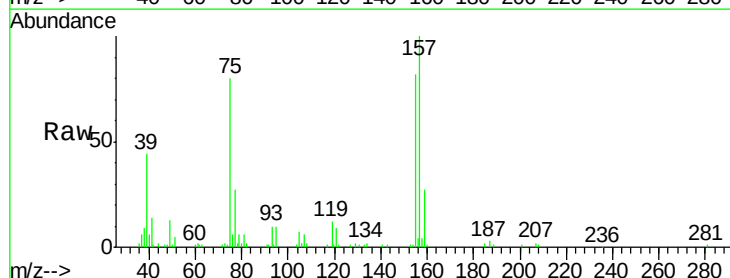
Manual Integrations
 APPROVED

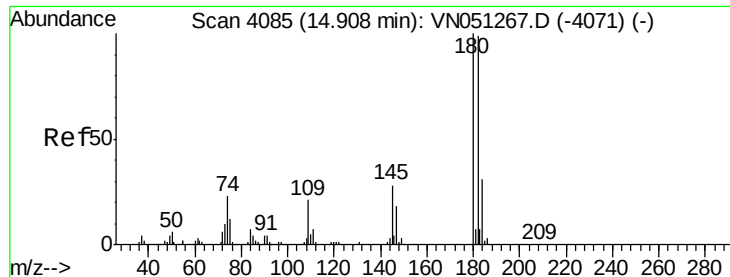
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 39.12 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	46678		
155	100.5	50.2	150.7	
157	125.8	62.9	188.7	





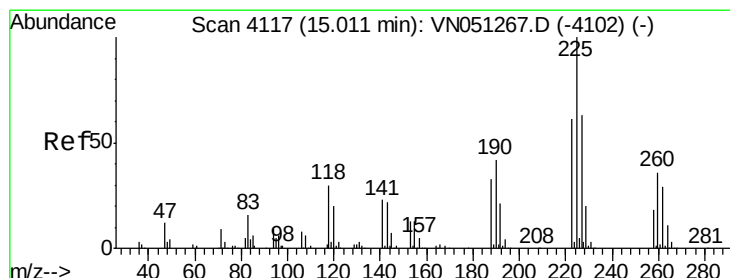
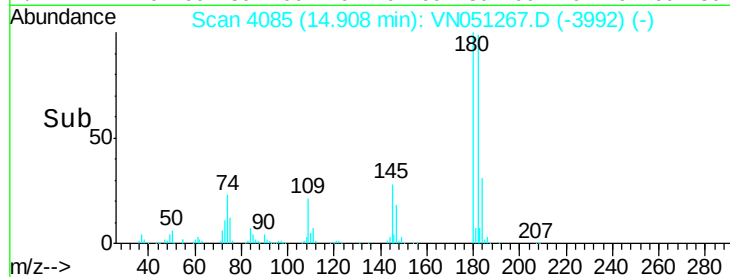
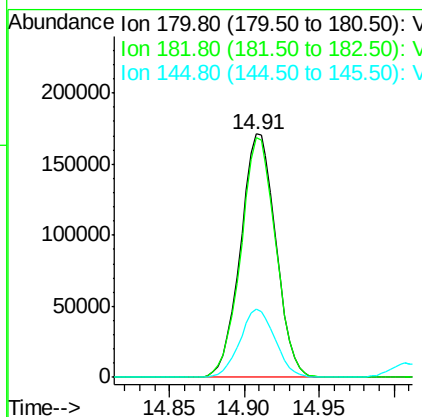
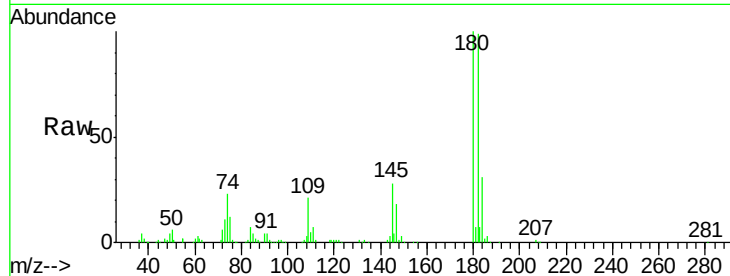
#93
 1,2,4-Trichlorobenzene
 Concen: 47.99 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	280693		
182	97.1	48.5	145.6	
145	27.9	14.0	41.9	

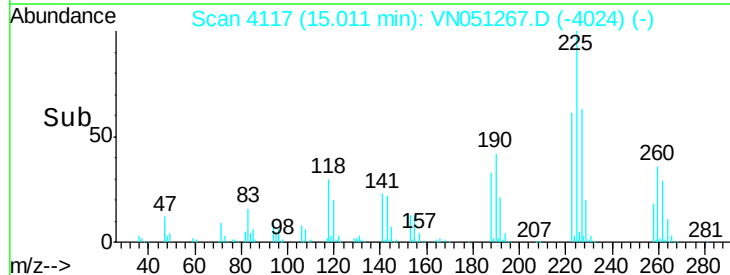
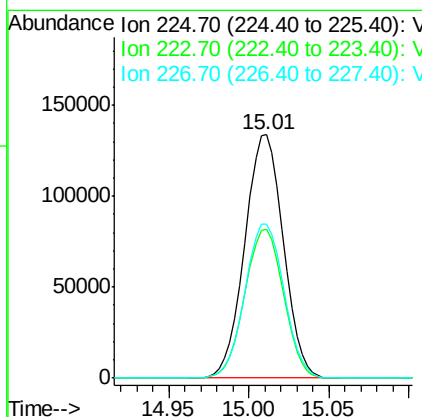
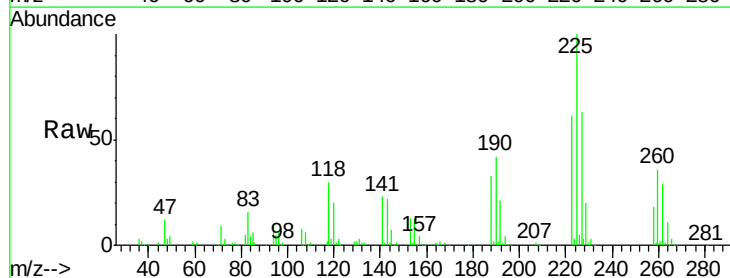
Manual Integrations
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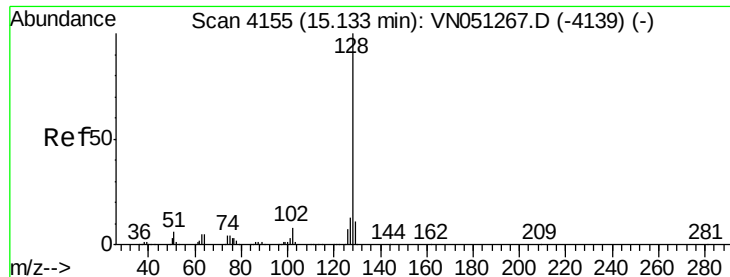
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#94
 Hexachlorobutadiene
 Concen: 45.00 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051267.D
 Acq: 17 Sep 2018 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	220445		
223	61.5	30.8	92.3	
227	64.2	32.1	96.3	





#95

Naphthalene

Concen: 40.74 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Instrument :

MSVOA_N

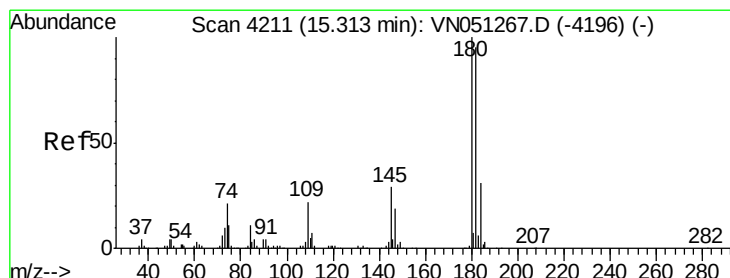
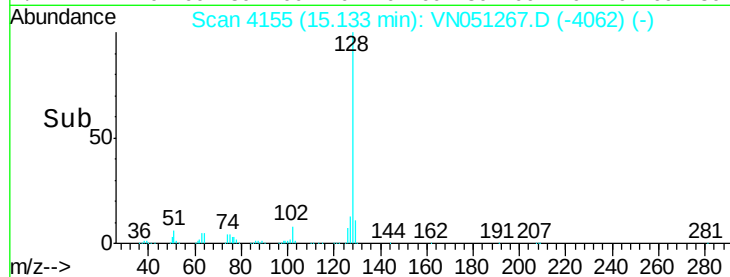
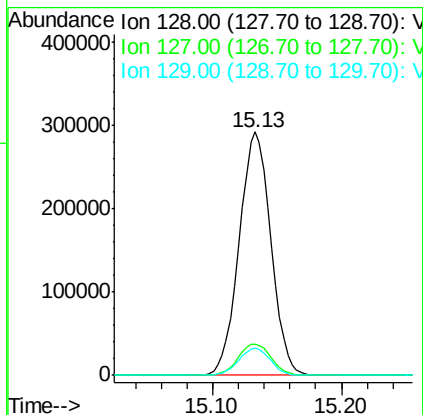
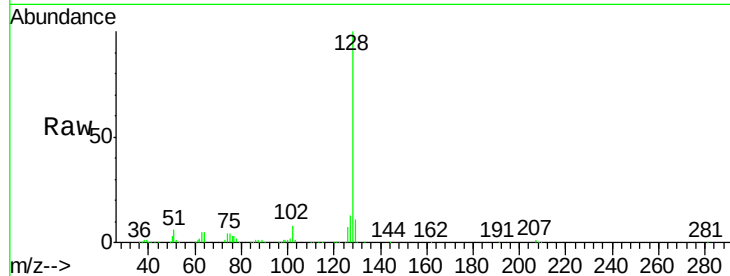
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	498688
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.7	16.1
129	11.1	8.9	13.3

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 45.94 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051267.D

Acq: 17 Sep 2018 11:35

Tgt Ion:	180	Resp:	279532
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.5	142.6
145	29.6	14.8	44.4

