

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010819\
 Data File : VN053317.D
 Acq On : 8 Jan 2019 17:39
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 10:58:07 AM

Quant Time: Jan 09 01:10:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1042585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1561752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1428170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	689727	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	511939	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
35) Dibromofluoromethane	7.59	113	439275	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	10.09	98	1899276	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.40	95	681283	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	450909	49.057	ug/l	99
3) Chloromethane	2.06	50	581788	45.326	ug/l	100
4) Vinyl Chloride	2.19	62	575790	46.999	ug/l	100
5) Bromomethane	2.56	94	374886	46.829	ug/l	100
6) Chloroethane	2.71	64	345734	46.755	ug/l	100
7) Trichlorofluoromethane	3.02	101	753113	47.459	ug/l	98
8) Diethyl Ether	3.41	74	295761	47.552	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	487460	48.469	ug/l	99
10) Methyl Iodide	3.96	142	708062	50.226	ug/l	99
11) Tert butyl alcohol	4.78	59	152128	233.179	ug/l	99
12) 1,1-Dichloroethene	3.74	96	461829	47.474	ug/l	99
13) Acrolein	3.61	56	184407	224.806	ug/l	99
14) Allyl chloride	4.33	41	716052	45.669	ug/l	99
15) Acrylonitrile	4.99	53	914742	234.874	ug/l	99
16) Acetone	3.82	43	603765	231.114	ug/l	98
17) Carbon Disulfide	4.06	76	1364110	45.483	ug/l	99
18) Methyl Acetate	4.32	43	434081	44.218	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1316596	48.223	ug/l	100
20) Methylene Chloride	4.55	84	525838	45.137	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	499926	47.862	ug/l	98
22) Diisopropyl ether	5.95	45	1608360	47.617	ug/l	98
23) Vinyl Acetate	5.90	43	5140334	241.863	ug/l	99
24) 1,1-Dichloroethane	5.85	63	920738	47.263	ug/l	100
25) 2-Butanone	6.83	43	1021206	229.484	ug/l	100
26) 2,2-Dichloropropane	6.82	77	677268	47.559	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	568858	47.691	ug/l	99
28) Bromochloromethane	7.19	49	399944	48.176	ug/l	98
29) Tetrahydrofuran	7.21	42	681820	232.180	ug/l	99
30) Chloroform	7.37	83	903266	47.107	ug/l	98
31) Cyclohexane	7.65	56	854462	46.141	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	759963	47.562	ug/l	99
36) 1,1-Dichloropropene	7.79	75	723507	49.623	ug/l	99
37) Ethyl Acetate	6.93	43	454434	47.851	ug/l	99
38) Carbon Tetrachloride	7.78	117	660198	49.058	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	812529	48.104	ug/l	100
40) Benzene	8.04	78	2157560	48.445	ug/l	99
41) Methacrylonitrile	7.17	41	249404	42.301	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	629391	47.643	ug/l	100
43) Isopropyl Acetate	8.16	43	819972	43.890	ug/l	99
44) Trichloroethene	8.83	130	597043	48.822	ug/l	100
45) 1,2-Dichloropropane	9.12	63	568950	48.708	ug/l	99
46) Dibromomethane	9.21	93	332227	48.780	ug/l	99
47) Bromodichloromethane	9.40	83	689727	48.596	ug/l	99
48) Methyl methacrylate	9.20	41	415750	48.982	ug/l	99
49) 1,4-Dioxane	9.20	88	85947	950.418	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2320443	246.984	ug/l	100
52) Toluene	10.16	92	1355262	49.602	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	735206	50.636	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	843845	50.295	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	485600	48.335	ug/l	100
56) Ethyl methacrylate	10.43	69	669132	51.253	ug/l	99
57) 1,3-Dichloropropane	10.71	76	823917	49.041	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1668014	236.325	ug/l	100
59) 2-Hexanone	10.75	43	1587909	246.678	ug/l	99
60) Dibromochloromethane	10.90	129	544151	50.217	ug/l	100
61) 1,2-Dibromoethane	11.01	107	490313	49.456	ug/l	98
64) Tetrachloroethene	10.63	164	642506	47.799	ug/l	99
65) Chlorobenzene	11.43	112	1511141	48.707	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	529149	48.728	ug/l	100
67) Ethyl Benzene	11.51	91	2627332	49.837	ug/l	100
68) m/p-Xylenes	11.62	106	1992372	100.505	ug/l	100
69) o-Xylene	11.95	106	967703	49.862	ug/l	99
70) Styrene	11.96	104	1613048	51.069	ug/l	100
71) Bromoform	12.13	173	387060	50.462	ug/l #	100
73) Isopropylbenzene	12.25	105	2517134	49.017	ug/l	100
74) N-amyl acetate	12.07	43	780388	50.892	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	568162	48.097	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	492522m	48.958	ug/l	
77) Bromobenzene	12.53	156	675083	49.256	ug/l	99
78) n-propylbenzene	12.59	91	2894518	49.831	ug/l	99
79) 2-Chlorotoluene	12.68	91	1715321	48.804	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2027162	49.008	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	176468	51.610	ug/l	99
82) 4-Chlorotoluene	12.77	91	1792025	49.723	ug/l	100
83) tert-Butylbenzene	12.99	119	1735765	47.828	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2080037	49.360	ug/l	100
85) sec-Butylbenzene	13.17	105	2325591	48.590	ug/l	100
86) p-Isopropyltoluene	13.29	119	2047973	49.421	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1185718	49.127	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1176596	49.143	ug/l	99
89) n-Butylbenzene	13.62	91	1747288	50.292	ug/l	100
90) Hexachloroethane	13.88	117	313974	47.272	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1111053	49.145	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	70252	49.032	ug/l	97

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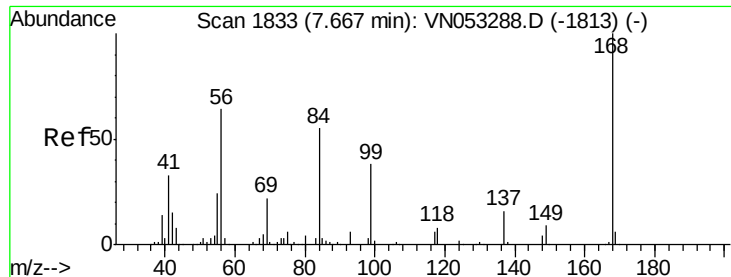
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	378666	53.269	ug/l	100
94) Hexachlorobutadiene	15.01	225	275857	47.444	ug/l	98
95) Naphthalene	15.13	128	673925	55.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	249431	53.595	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 1042585

Ion Ratio Lower Upper

168 100

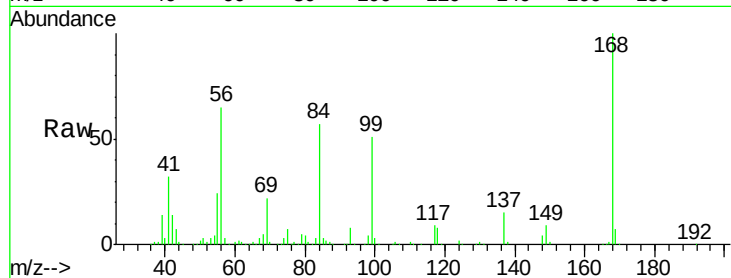
99 50.5 39.1 58.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

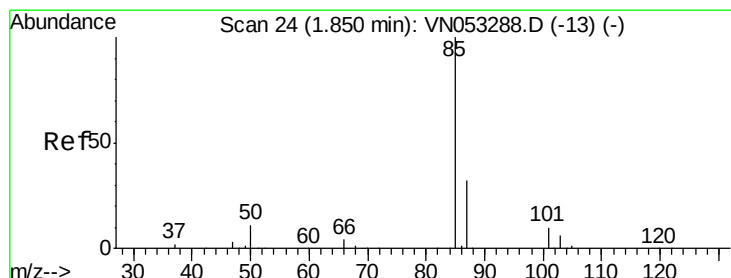
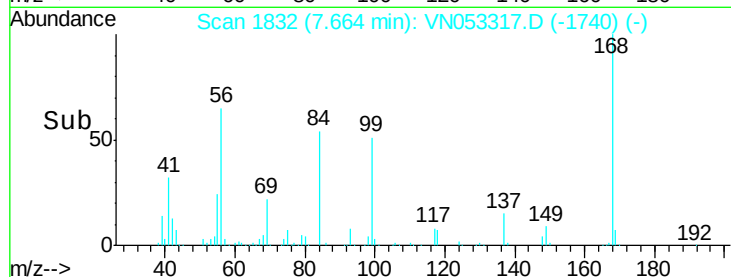
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.057 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053317.D

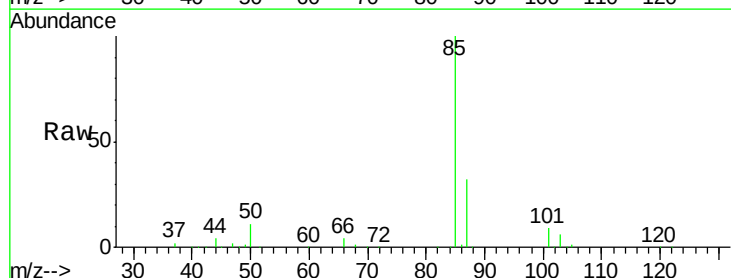
Acq: 8 Jan 2019 17:39

Tgt Ion: 85 Resp: 450909

Ion Ratio Lower Upper

85 100

87 32.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

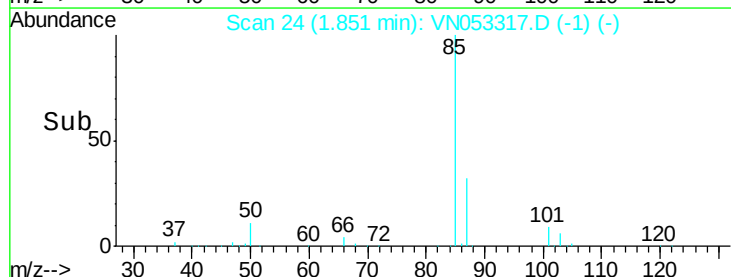
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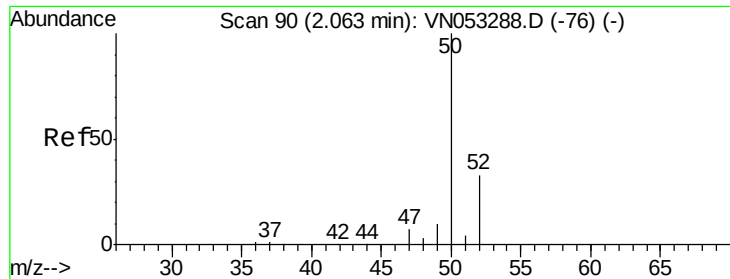
200000

100000

0

Time-->





#3

Chloromethane

Concen: 45.326 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 581788

Ion Ratio Lower Upper

50 100

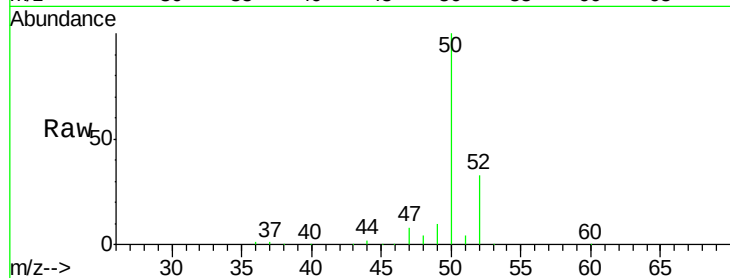
52 33.5 26.6 40.0

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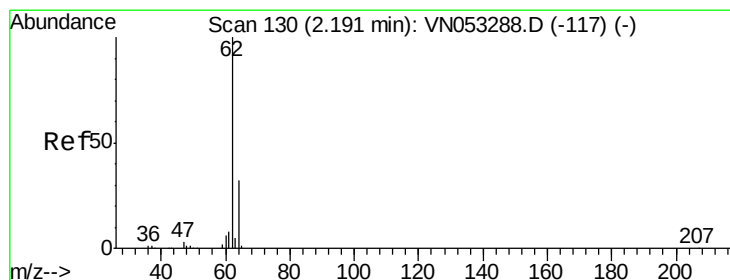
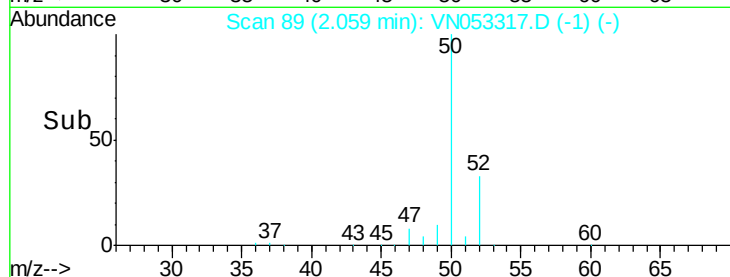
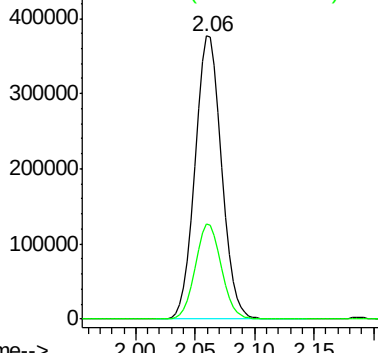
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.999 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053317.D

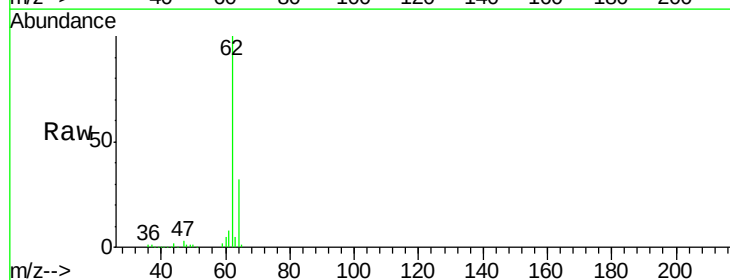
Acq: 8 Jan 2019 17:39

Tgt Ion: 62 Resp: 575790

Ion Ratio Lower Upper

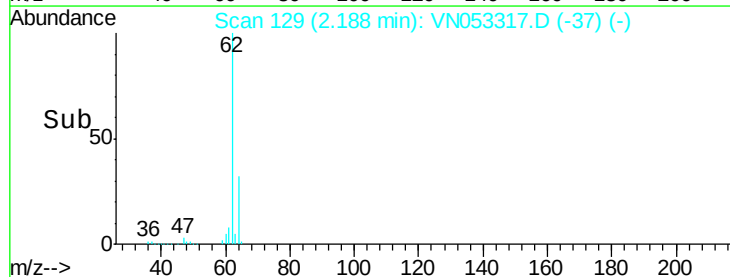
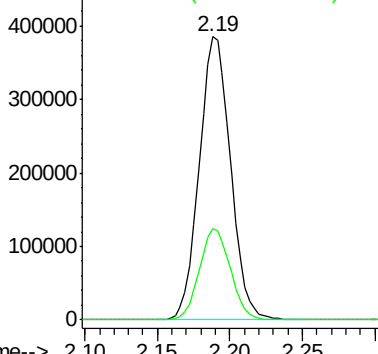
62 100

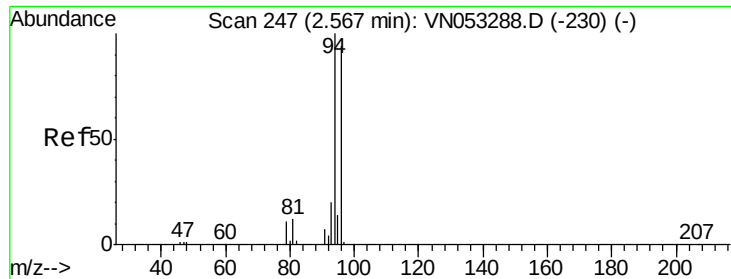
64 32.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 46.829 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 374886

Ion Ratio Lower Upper

94 100

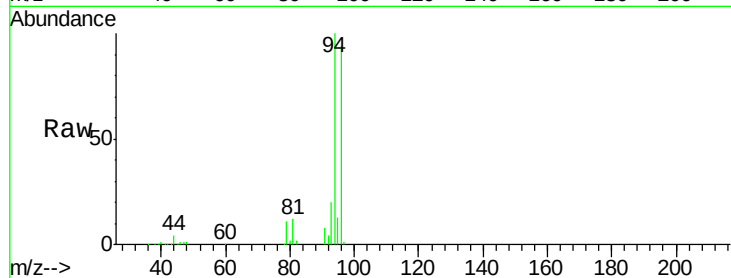
96 93.8 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

200000

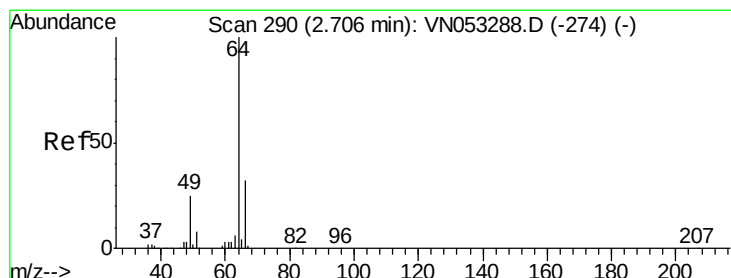
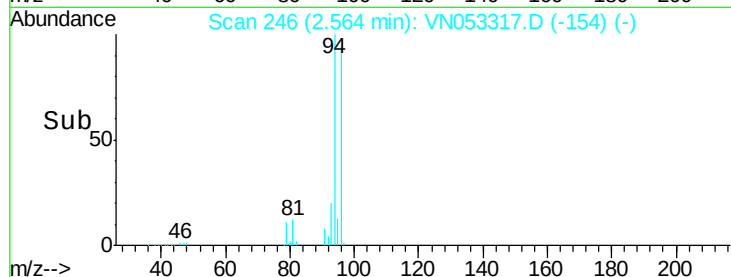
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 46.755 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053317.D

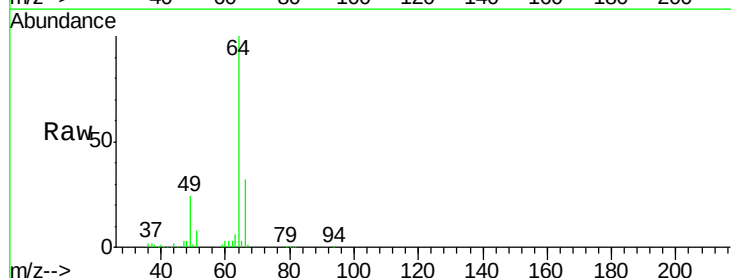
Acq: 8 Jan 2019 17:39

Tgt Ion: 64 Resp: 345734

Ion Ratio Lower Upper

64 100

66 31.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

200000

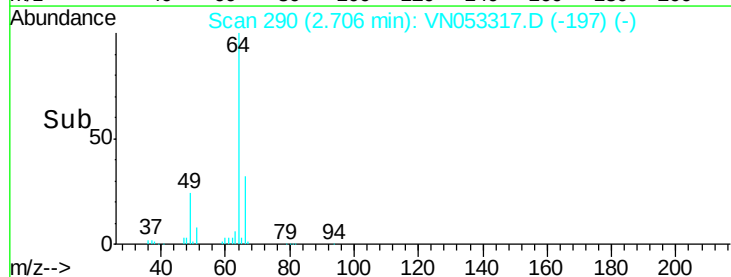
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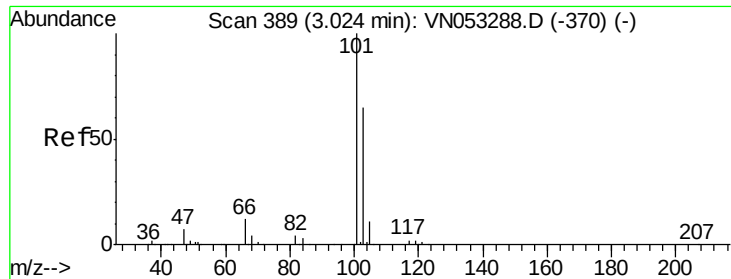
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Time-->





#7

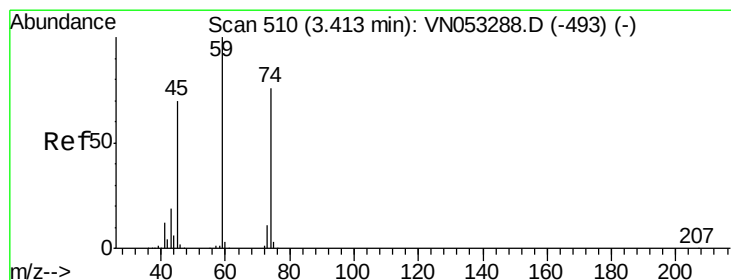
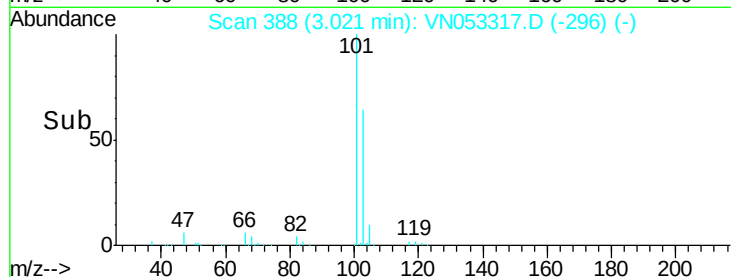
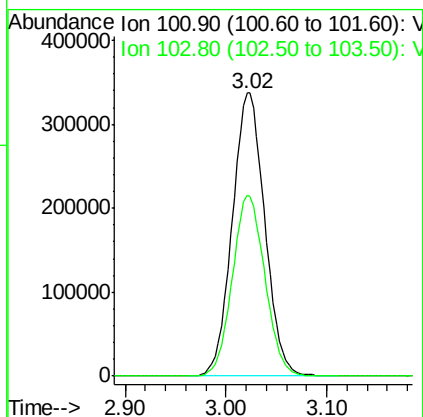
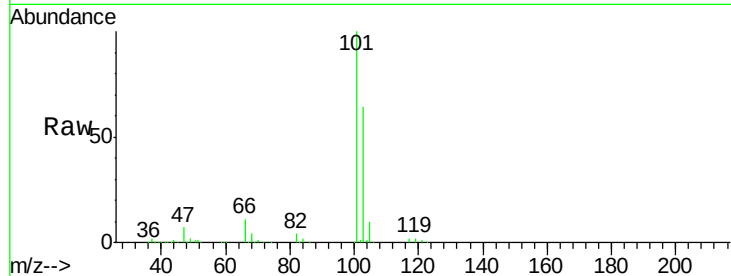
Trichlorofluoromethane
 Concen: 47.459 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN053317.D
 Acq: 8 Jan 2019 17:39

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.1	78.1

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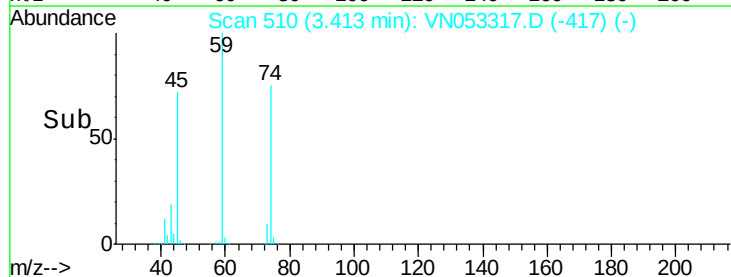
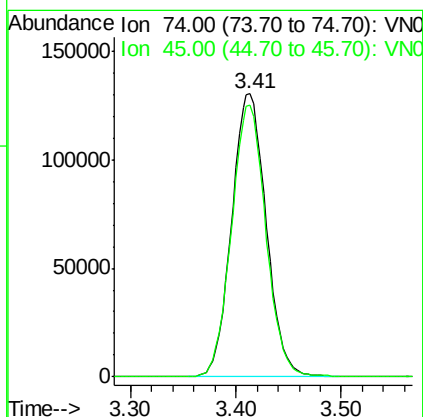
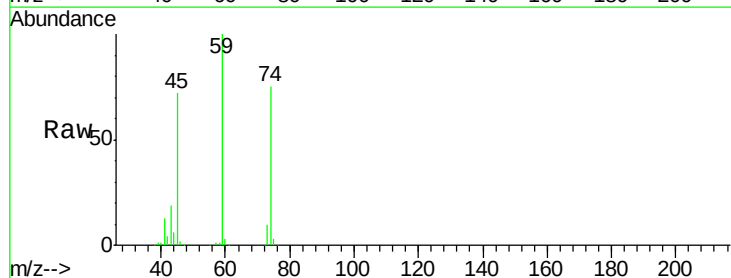
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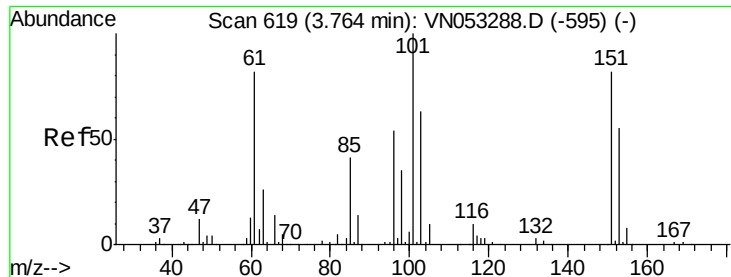


#8

Diethyl Ether
 Concen: 47.552 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053317.D
 Acq: 8 Jan 2019 17:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.7	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.469 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

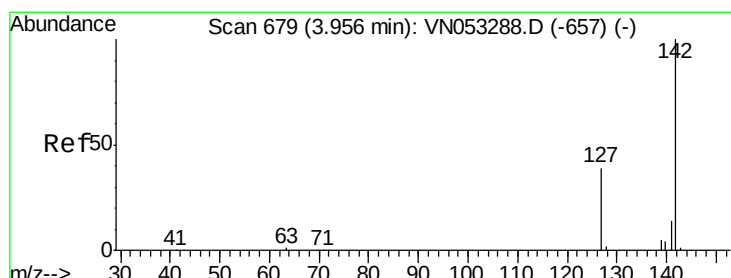
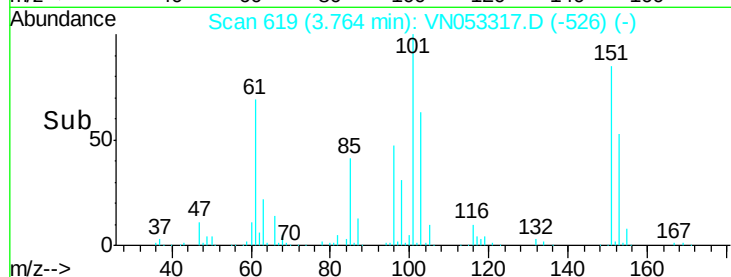
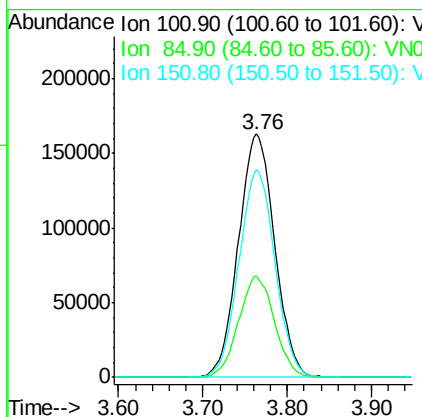
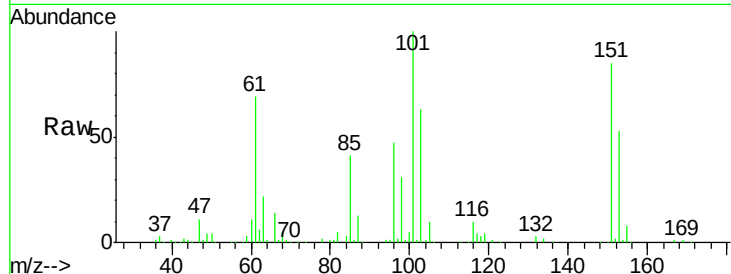
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	487460
Ion Ratio	Lower	Upper	
101	100		
85	41.1	33.3	49.9
151	84.9	67.0	100.4

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#10

Methyl Iodide

Concen: 50.226 ug/l

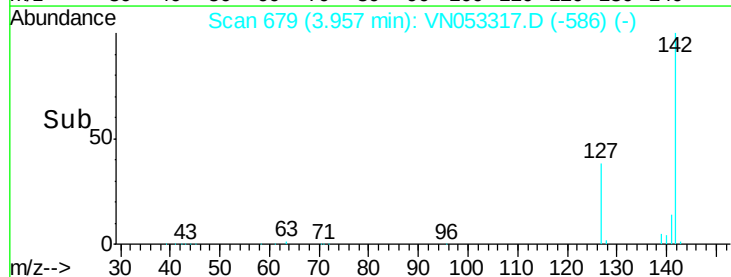
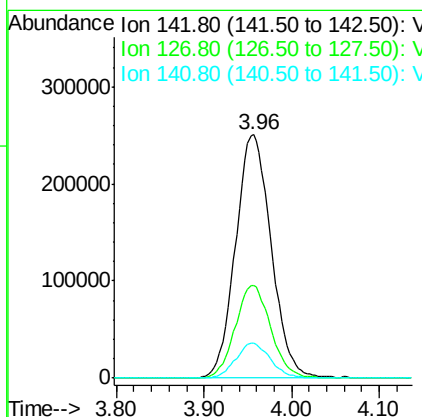
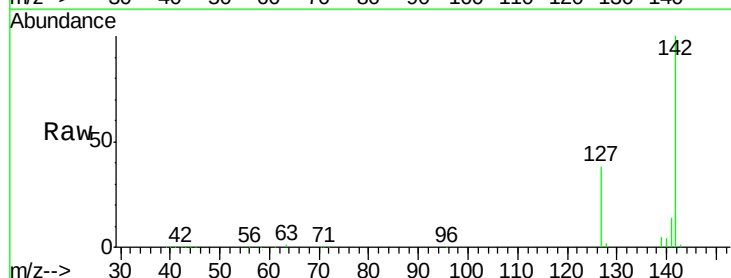
RT: 3.96 min Scan# 679

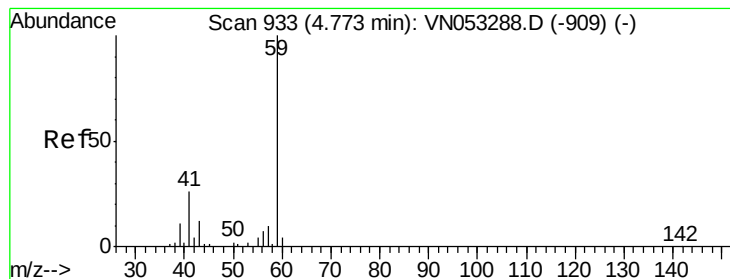
Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Tgt Ion:	142	Resp:	708062
Ion Ratio	Lower	Upper	
142	100		
127	38.1	30.9	46.3
141	14.0	11.2	16.8





#11

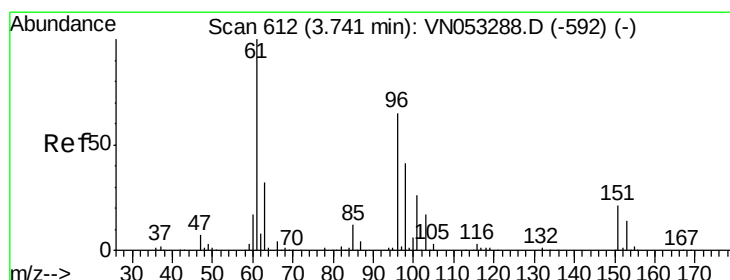
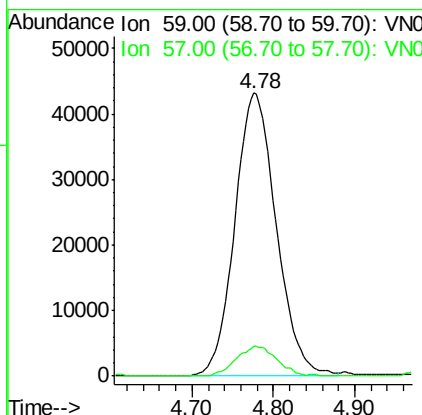
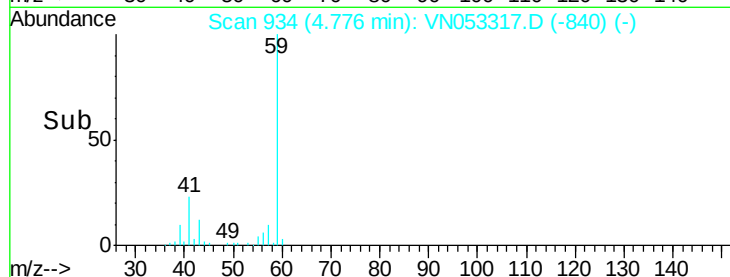
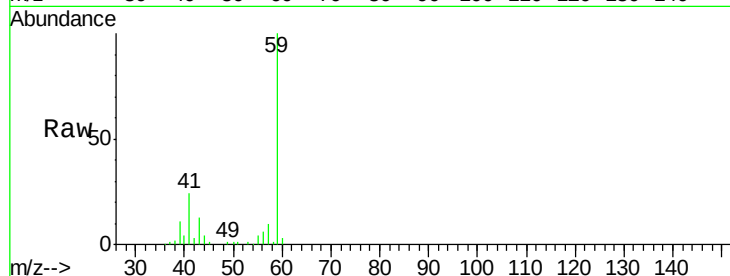
Tert butyl alcohol
Concen: 233.179 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.0	12.0

Manual Integrations
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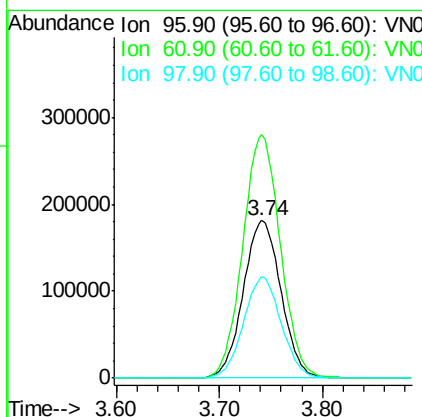
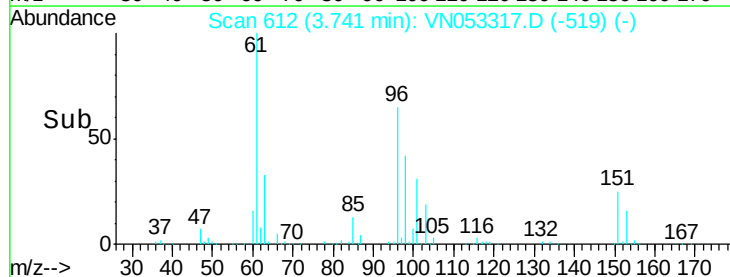
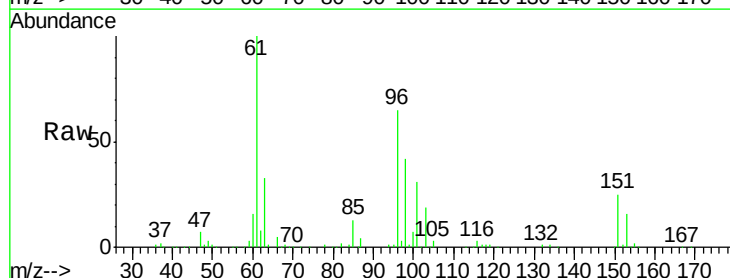
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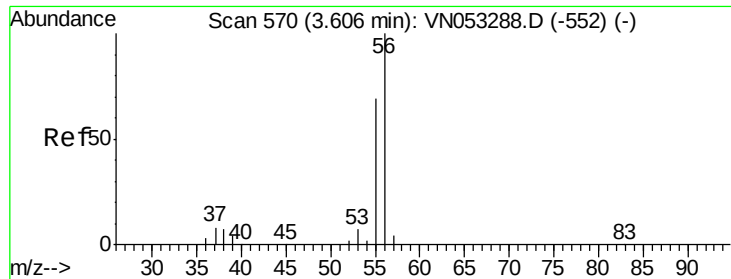


#12

1,1-Dichloroethene
Concen: 47.474 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.3	123.2	184.8
98	64.2	50.5	75.7





#13

Acrolein

Concen: 224.806 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 184407

Ion Ratio Lower Upper

56 100

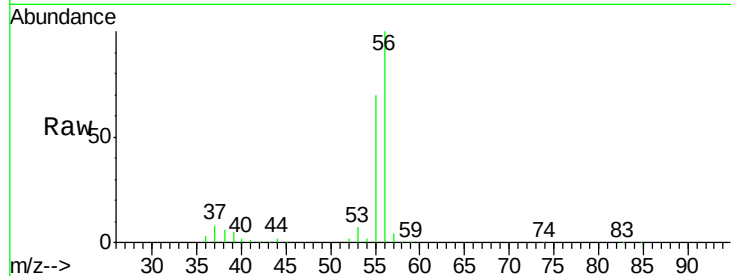
55 71.3 56.3 84.5

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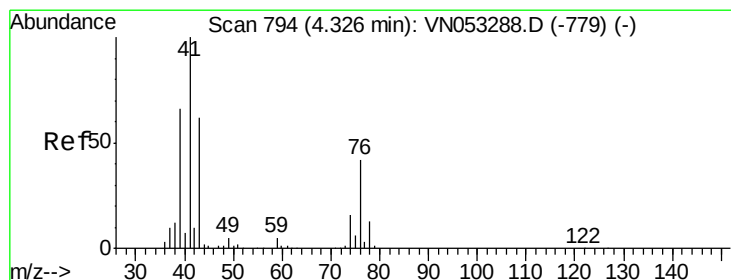
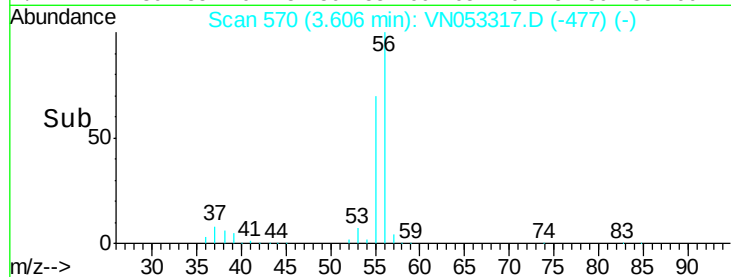
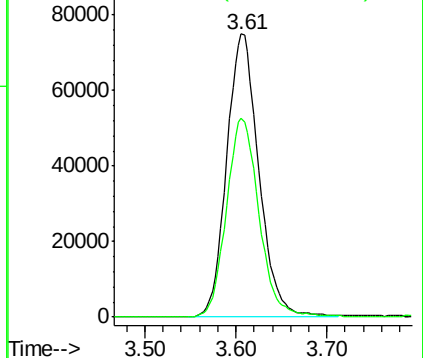
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 45.669 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

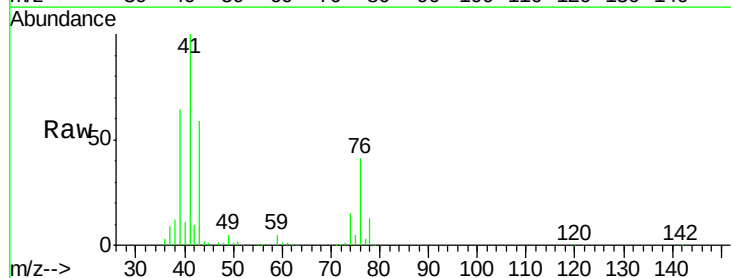
Tgt Ion: 41 Resp: 716052

Ion Ratio Lower Upper

41 100

39 65.0 51.9 77.9

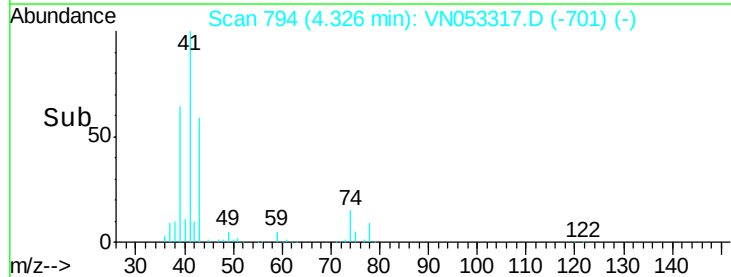
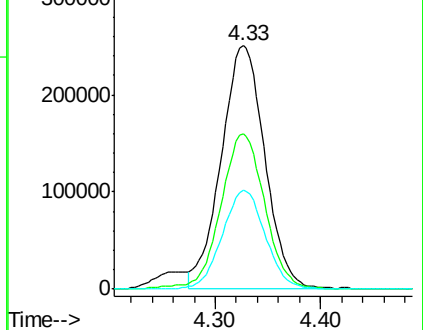
76 40.0 31.2 46.8

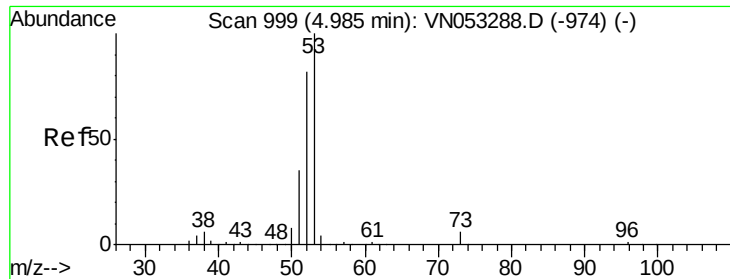


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 234.874 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

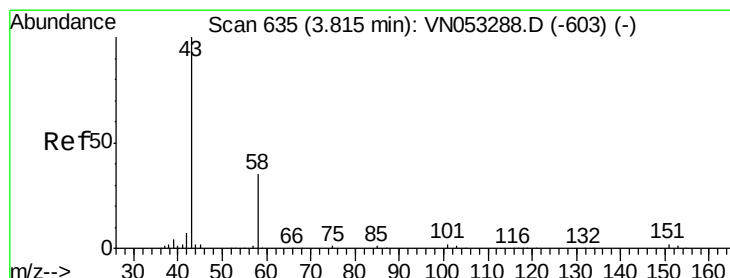
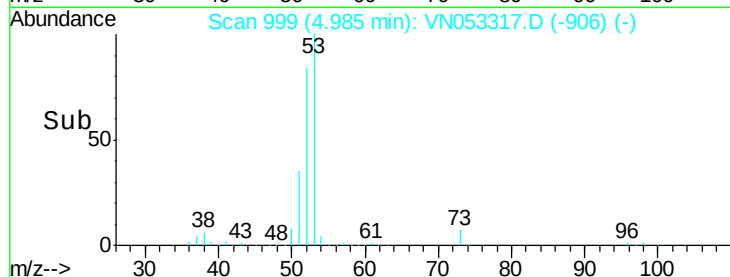
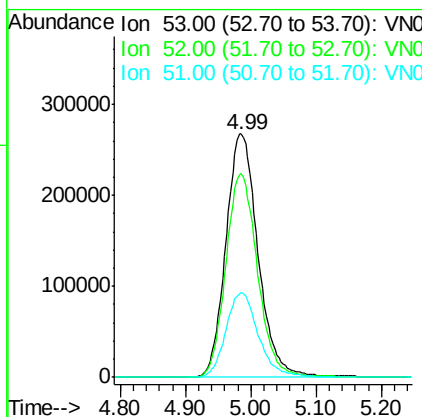
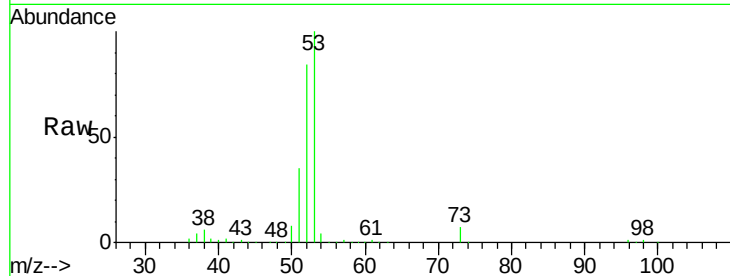
ClientSampled :

VSTDCCC050EC

Tot Ion:	53	Resp:	914742
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.2	97.8
51	35.2	28.0	42.0

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#16

Acetone

Concen: 231.114 ug/l

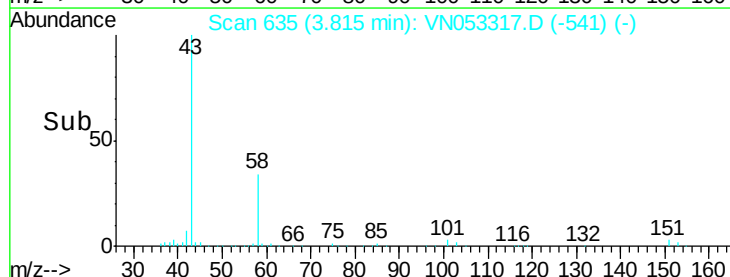
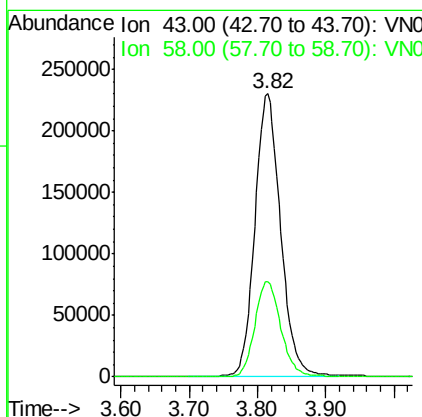
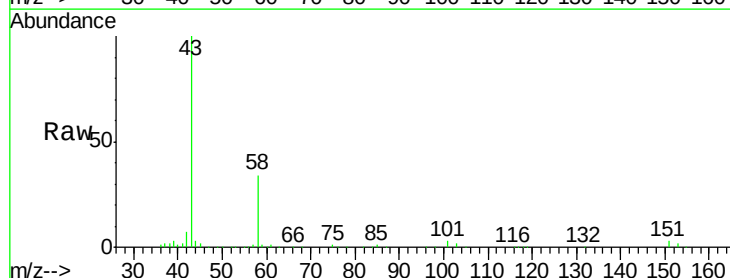
RT: 3.82 min Scan# 635

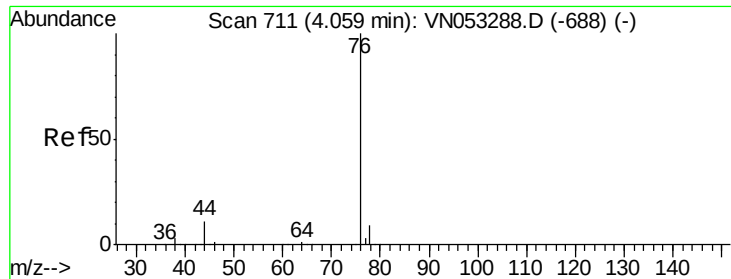
Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Tgt Ion:	43	Resp:	603765
Ion	Ratio	Lower	Upper
43	100		
58	33.7	27.8	41.6





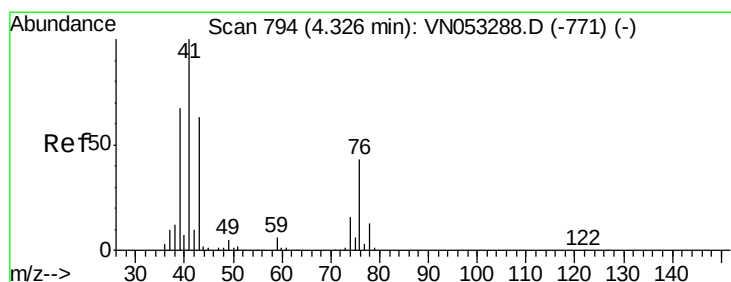
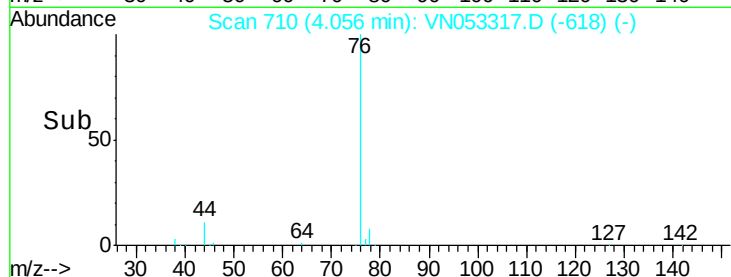
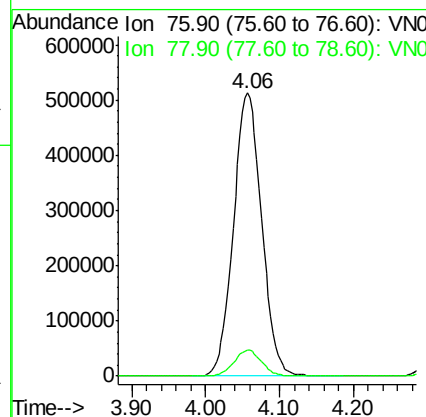
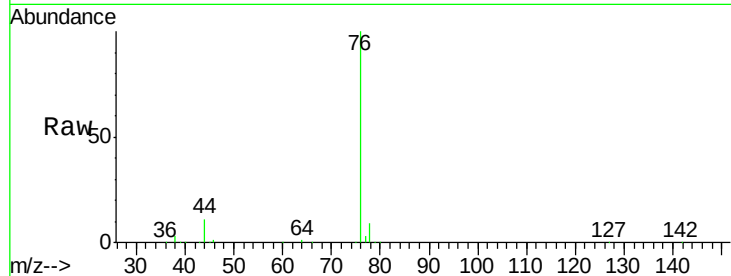
#17
Carbon Disulfide
Concen: 45.483 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1364110
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

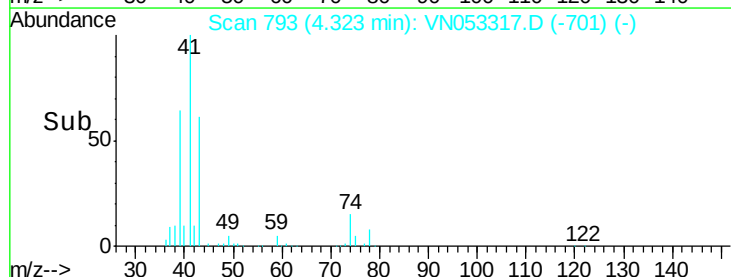
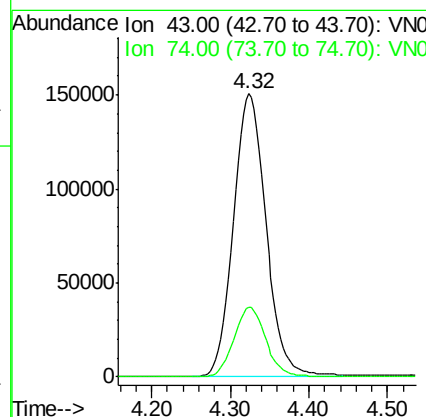
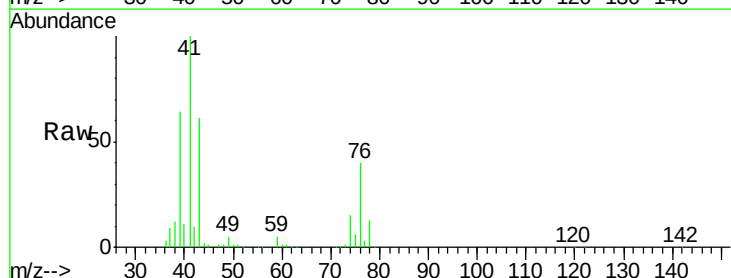
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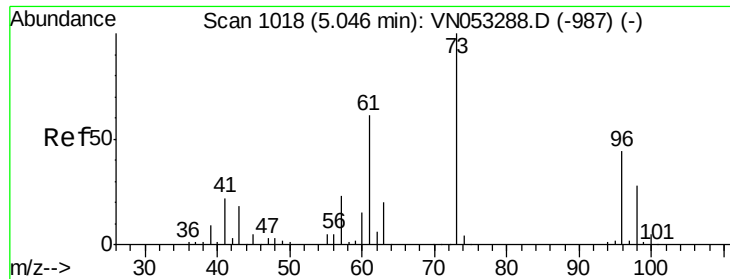
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#18
Methyl Acetate
Concen: 44.218 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Tgt Ion: 43 Resp: 434081
Ion Ratio Lower Upper
43 100
74 24.2 19.8 29.8





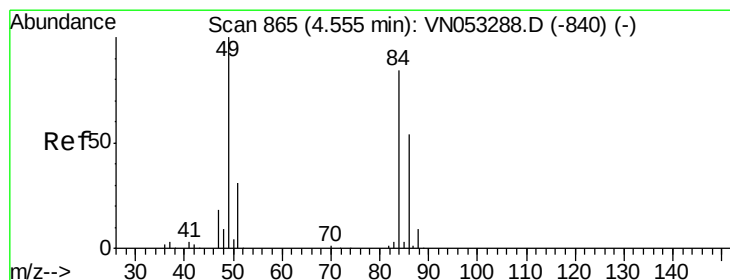
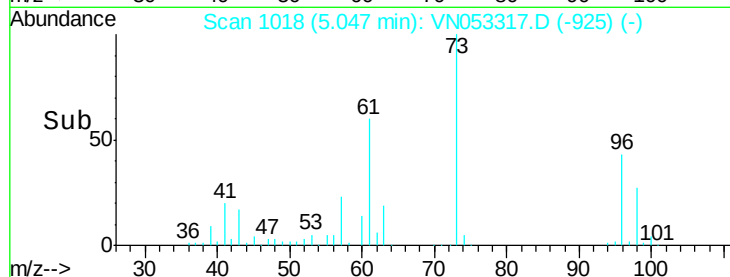
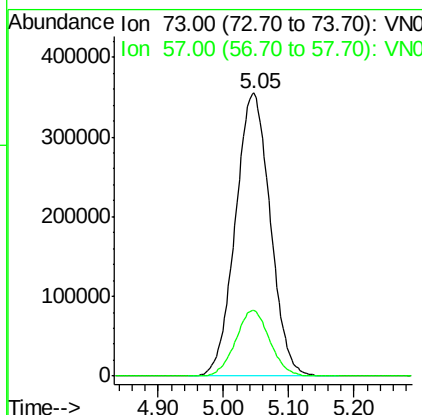
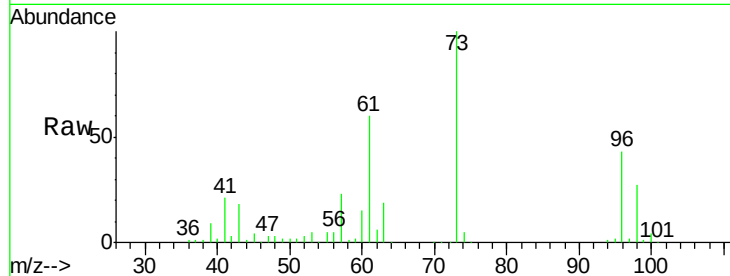
#19
Methyl tert-butyl Ether
Concen: 48.223 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1316596
Ion Ratio Lower Upper
73 100
57 23.1 18.5 27.7

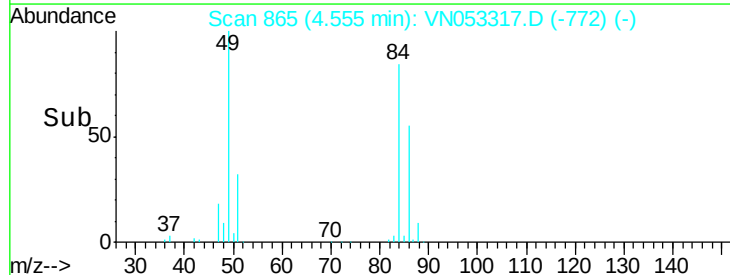
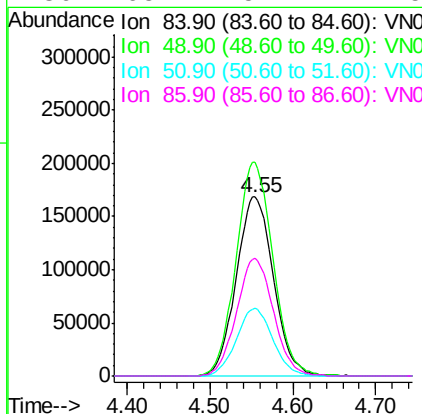
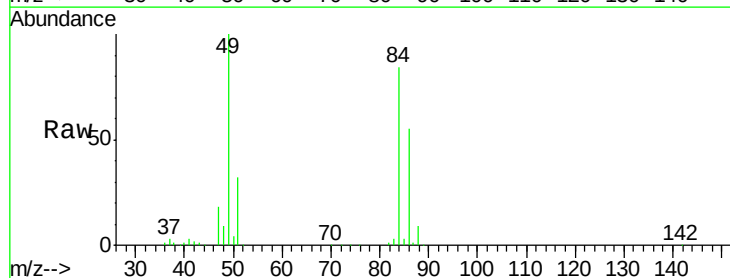
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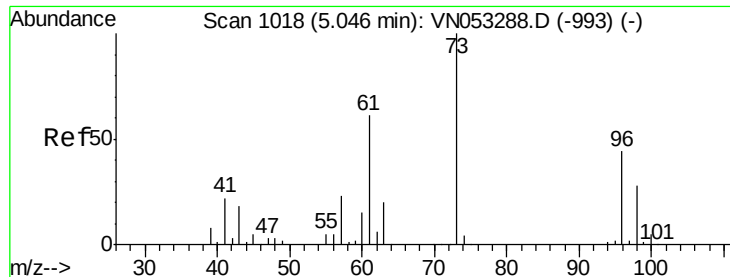
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#20
Methylene Chloride
Concen: 45.137 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Tgt Ion: 84 Resp: 525838
Ion Ratio Lower Upper
84 100
49 119.2 95.3 142.9
51 37.6 29.0 43.6
86 65.7 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 47.862 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 499926

Ion Ratio Lower Upper

96 100

61 136.4 110.2 165.4

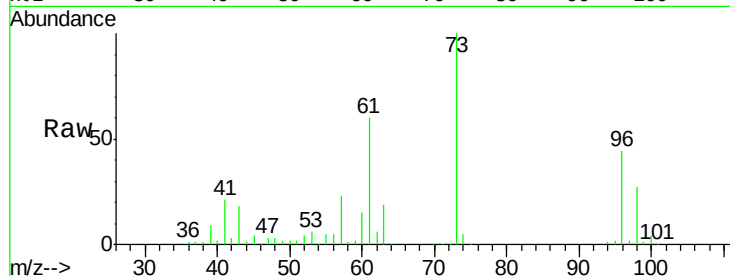
98 61.2 50.7 76.1

Manual Integrations

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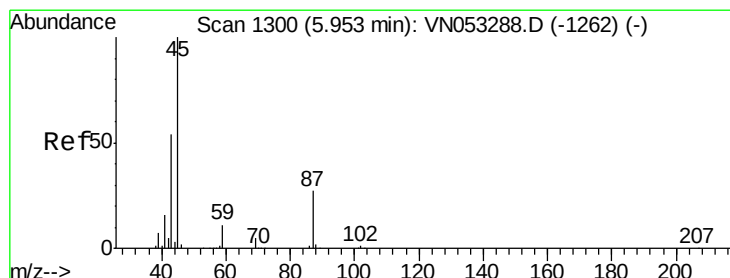
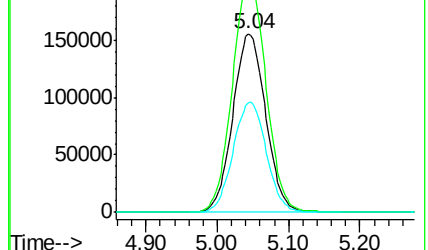
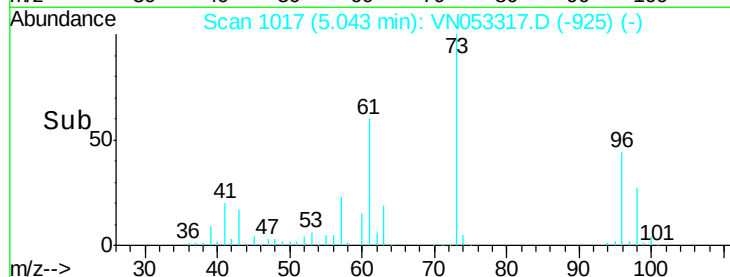


Abundance Ion 95.90 (95.60 to 96.60): VN053317.D (-925) (-)

Ion 60.90 (60.60 to 61.60): VN053317.D (-925) (-)

Ion 97.90 (97.60 to 98.60): VN053317.D (-925) (-)

Time-->



#22

Diisopropyl ether

Concen: 47.617 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Tgt Ion: 45 Resp: 1608360

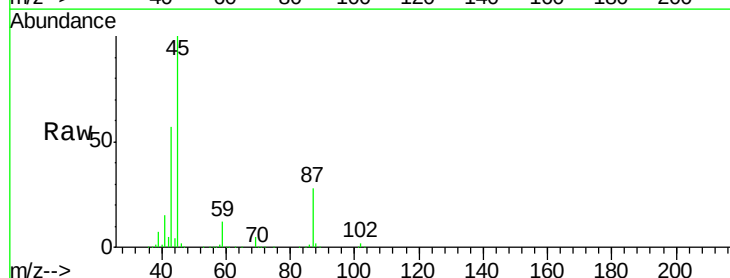
Ion Ratio Lower Upper

45 100

43 56.1 43.0 64.6

87 28.2 22.1 33.1

59 12.0 9.0 13.4



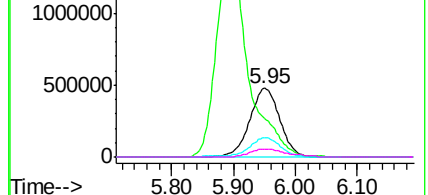
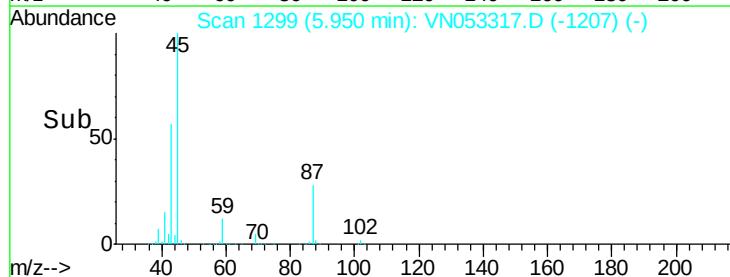
Abundance Ion 45.00 (44.70 to 45.70): VN053317.D (-1207) (-)

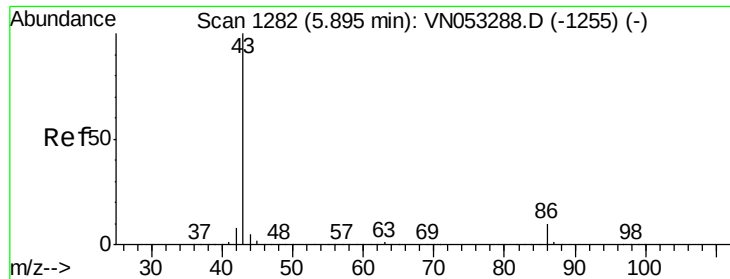
Ion 43.00 (42.70 to 43.70): VN053317.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN053317.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN053317.D (-1207) (-)

Time-->





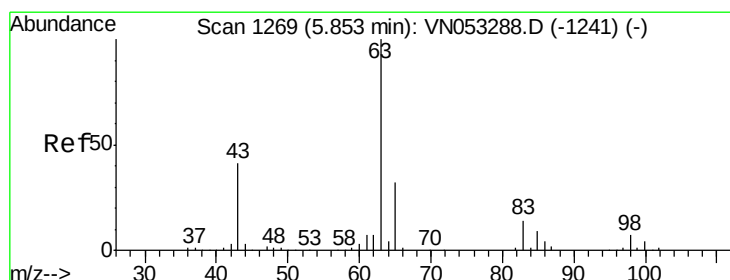
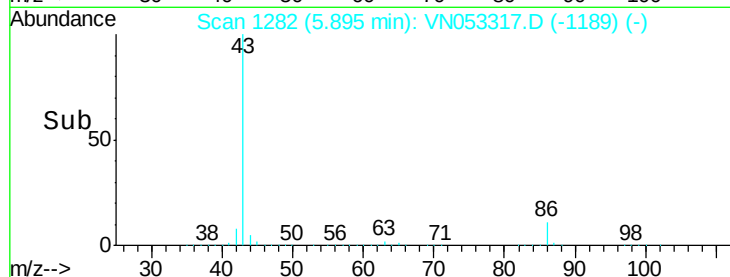
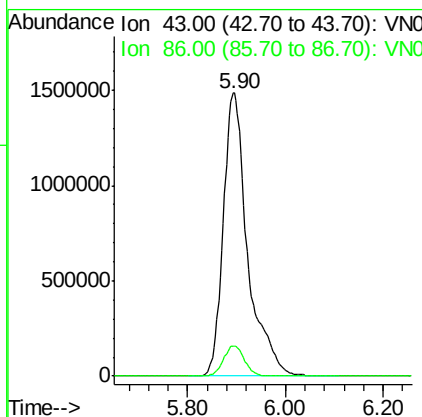
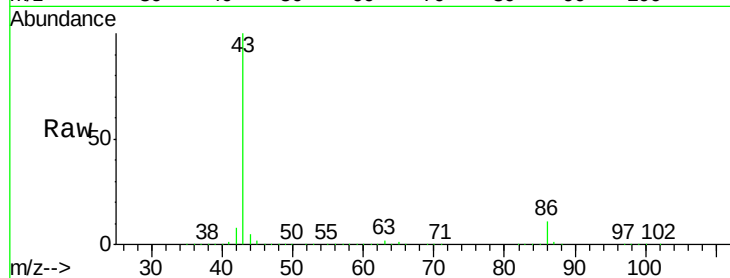
#23
Vinyl Acetate
Concen: 241.863 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 5140334
Ion Ratio Lower Upper
43 100
86 10.7 8.4 12.6

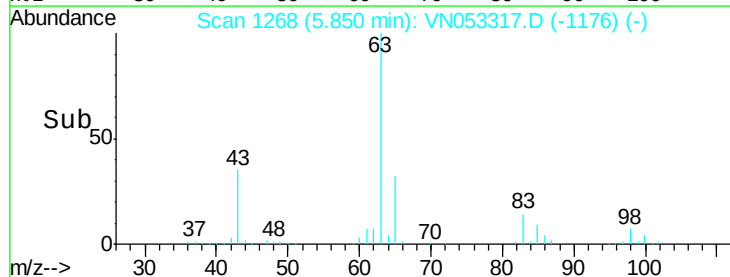
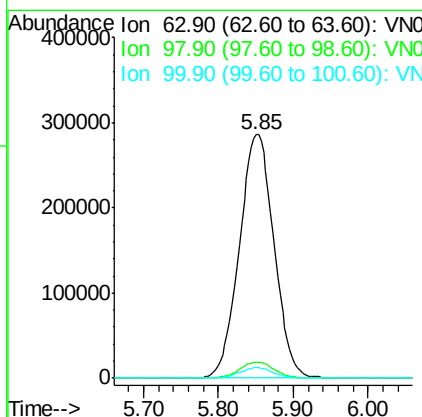
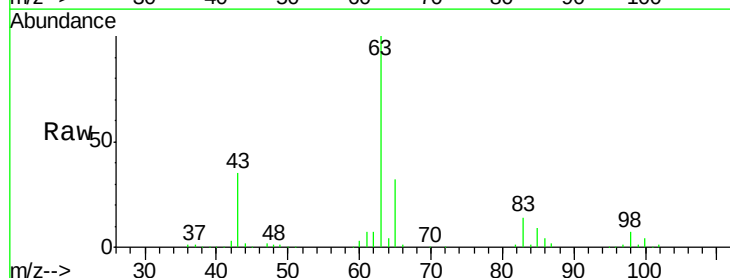
Manual Integrations
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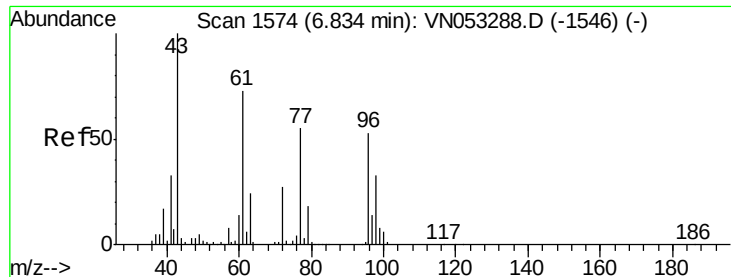
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#24
1,1-Dichloroethane
Concen: 47.263 ug/l
RT: 5.85 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Tgt Ion: 63 Resp: 920738
Ion Ratio Lower Upper
63 100
98 6.7 3.3 9.8
100 4.3 2.1 6.5





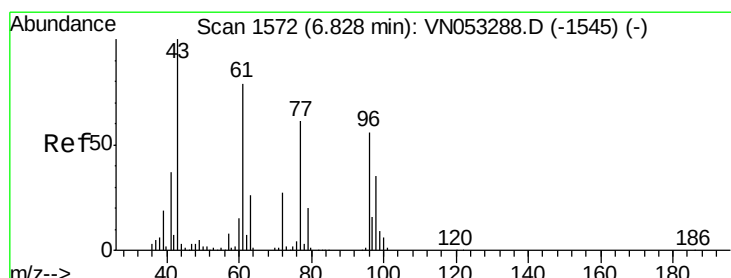
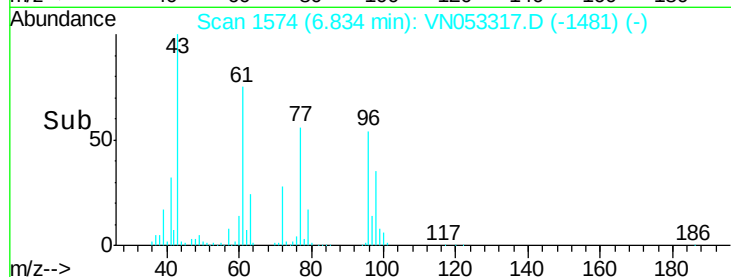
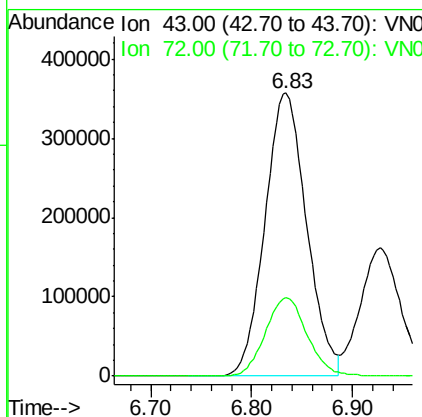
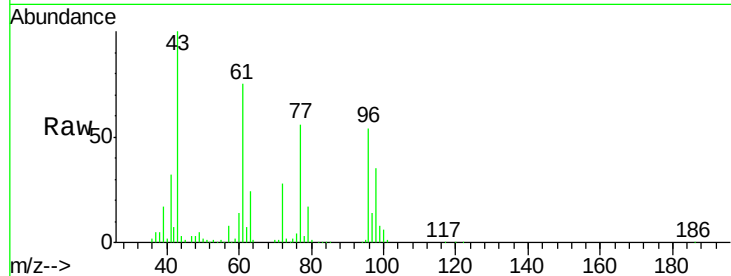
#25
2-Butanone
Concen: 229.484 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1021206
Ion Ratio Lower Upper
43 100
72 27.6 22.0 33.0

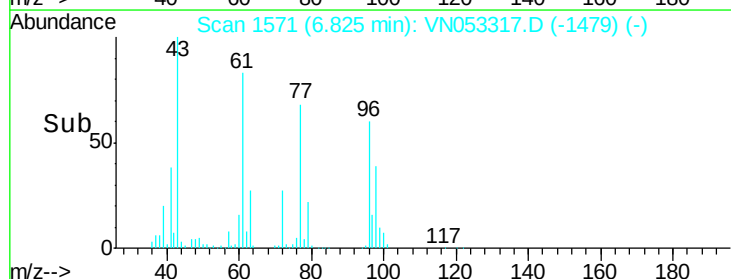
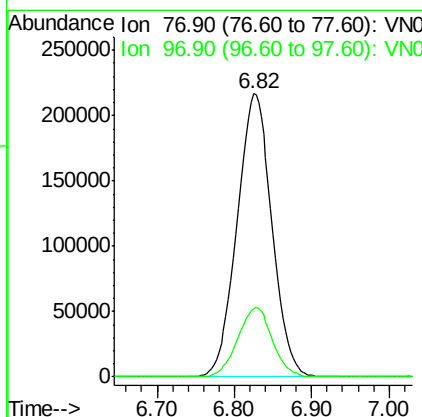
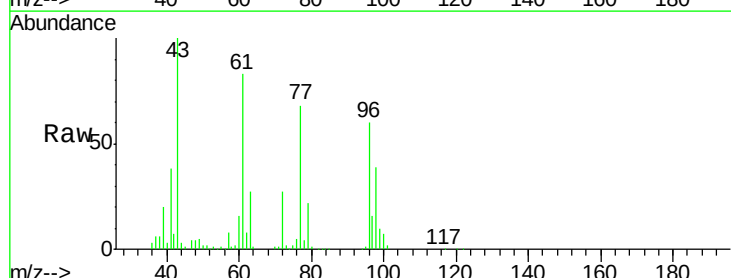
Manual Integrations
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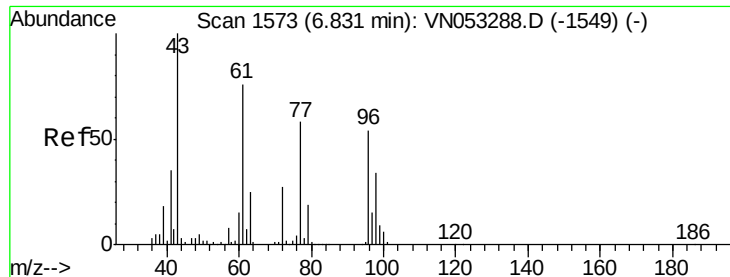
MMDadoda
1/9/2019 10:58:07 AM



#26
2,2-Dichloropropane
Concen: 47.559 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Tgt Ion: 77 Resp: 677268
Ion Ratio Lower Upper
77 100
97 24.4 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 47.691 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053317.D

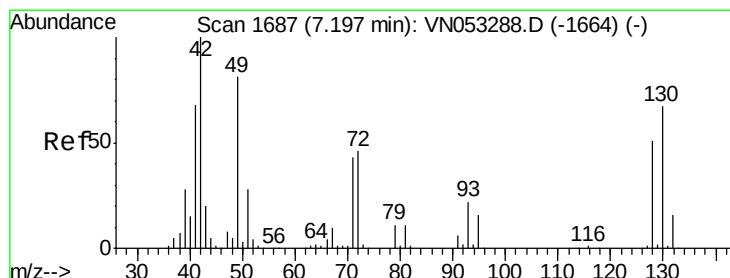
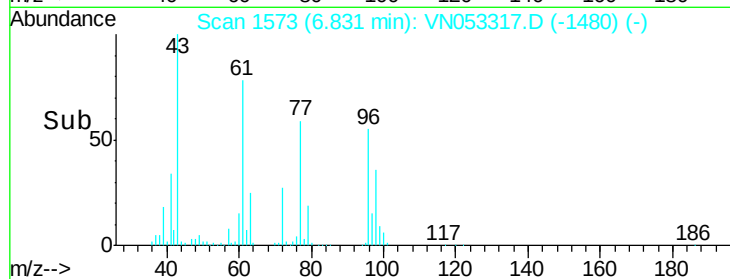
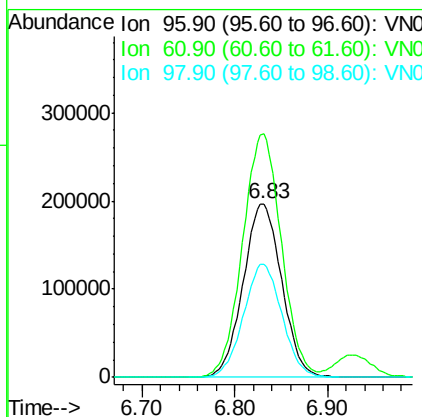
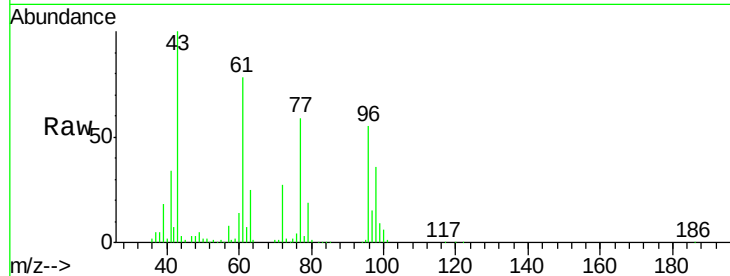
Acq: 8 Jan 2019 17:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.2	0.0	280.6	
98	65.1	0.0	127.6	

Manual Integrations
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#28

Bromochloromethane

Concen: 48.176 ug/l

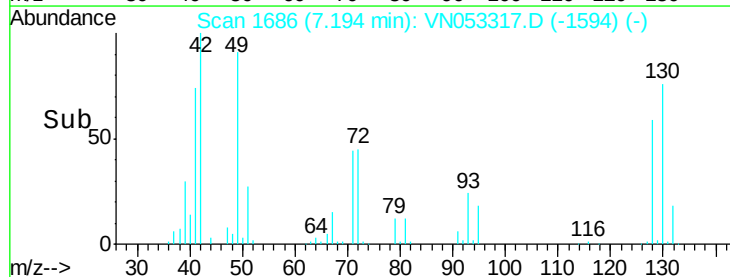
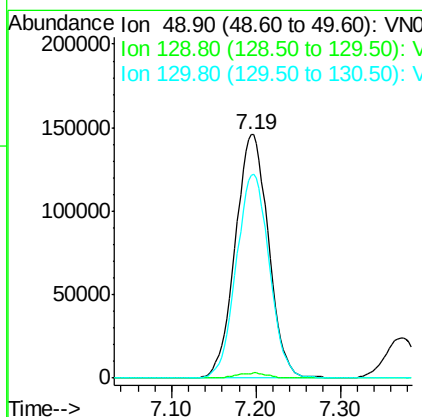
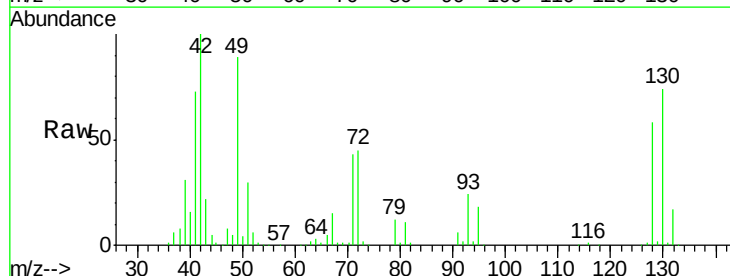
RT: 7.19 min Scan# 1686

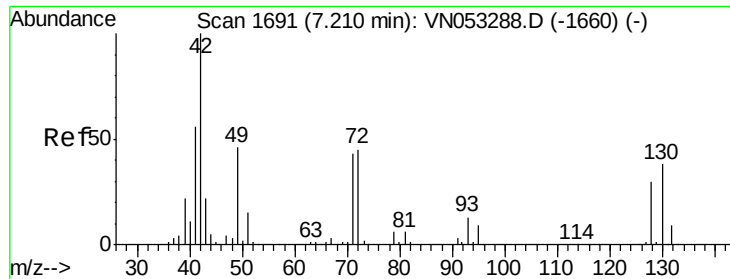
Delta R.T. -0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.8	
130	83.3	65.4	98.0	





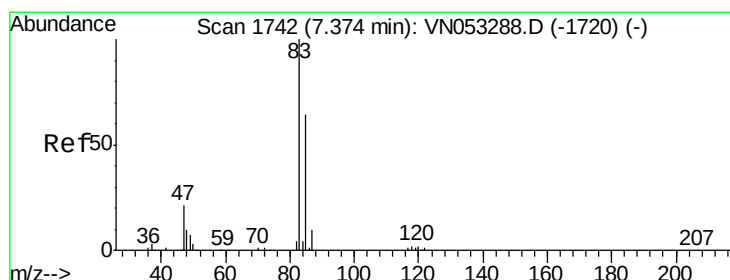
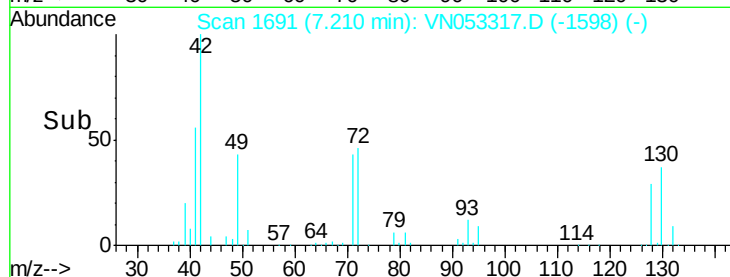
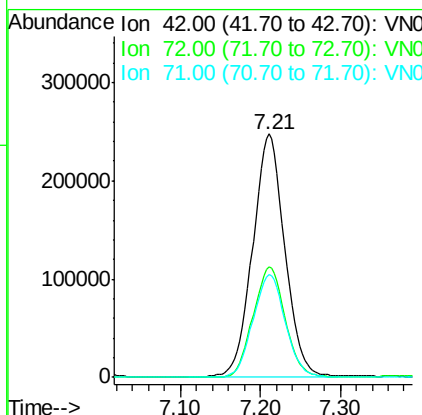
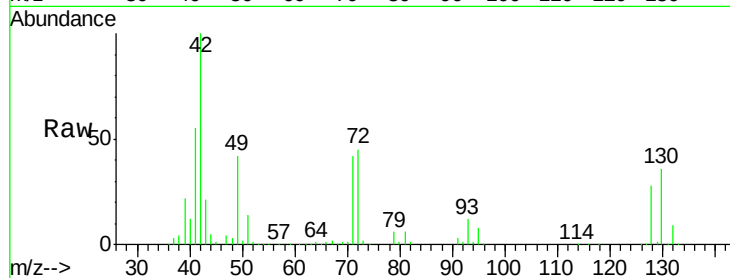
#29
Tetrahydrofuran
Concen: 232.180 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.6	53.4
71	42.4	33.8	50.8

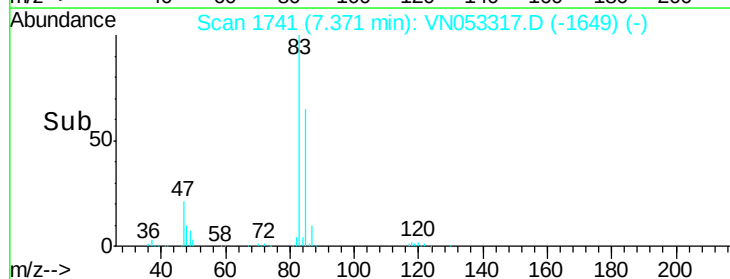
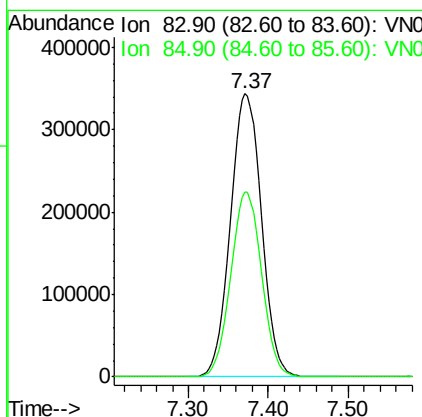
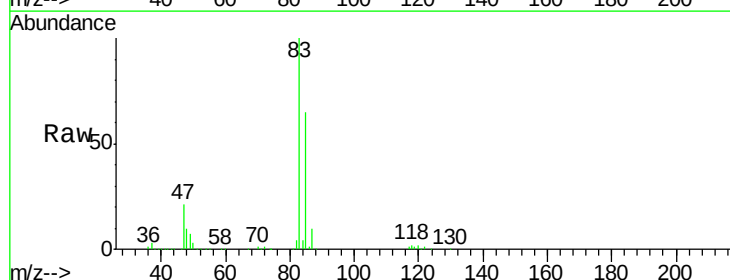
Manual Integrations
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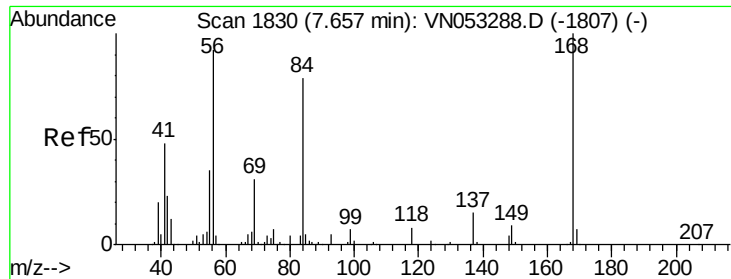
MMDadoda
1/9/2019 10:58:07 AM



#30
Chloroform
Concen: 47.107 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.3	76.9





#31

Cyclohexane

Concen: 46.141 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 56 Resp: 854462

Ion Ratio Lower Upper

56 100

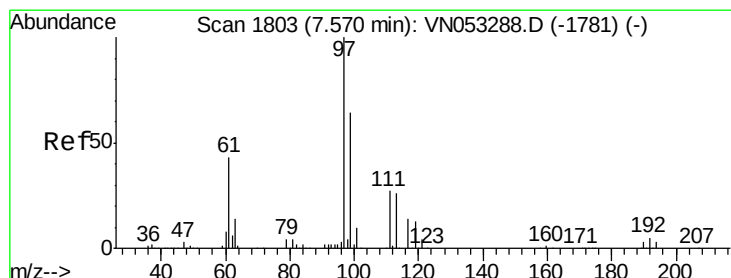
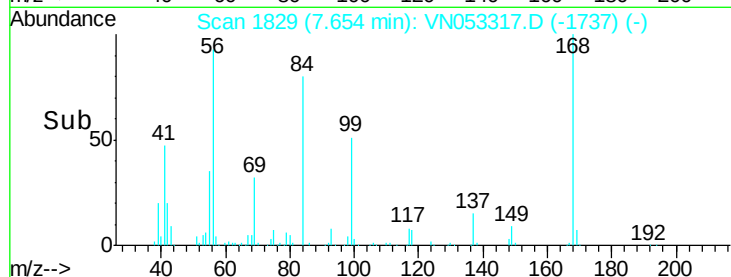
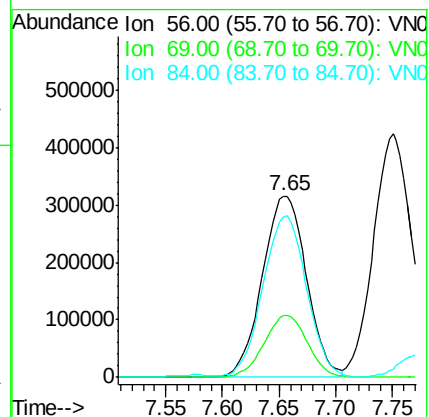
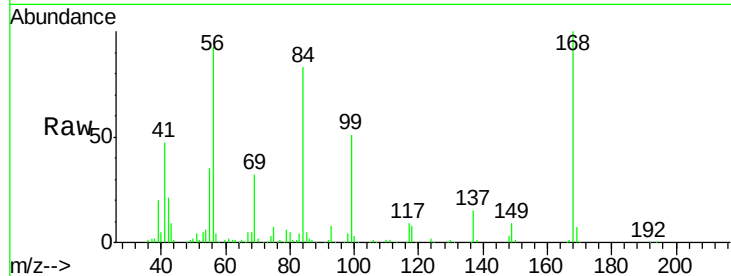
69 34.0 26.7 40.1

84 87.2 68.2 102.4

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#32

1,1,1-Trichloroethane

Concen: 47.562 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

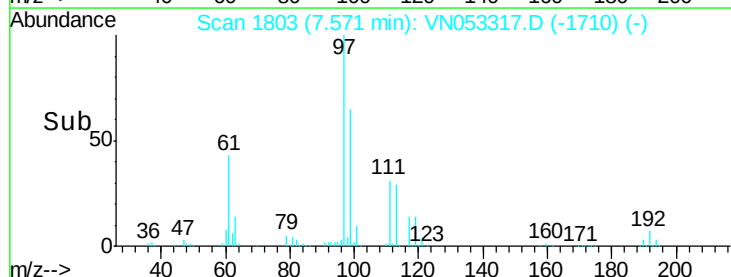
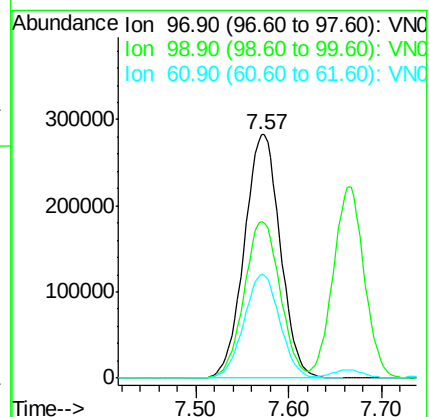
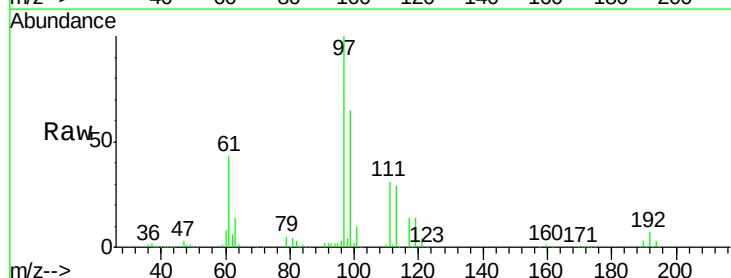
Tgt Ion: 97 Resp: 759963

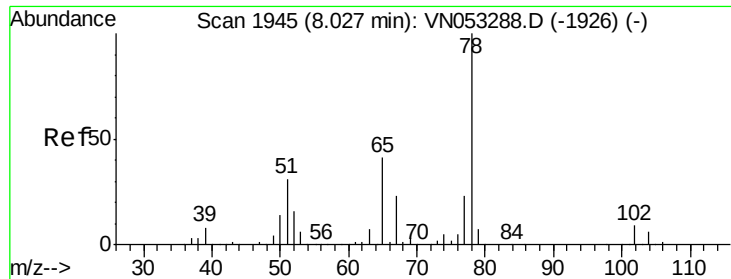
Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

61 42.5 34.6 52.0





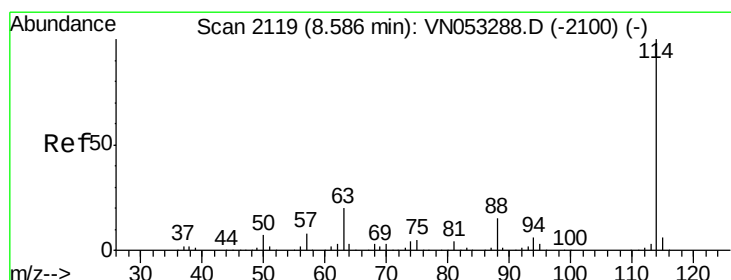
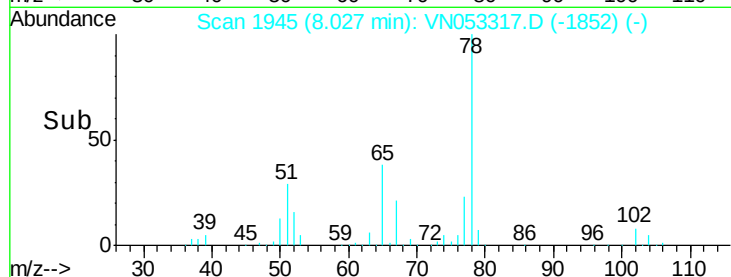
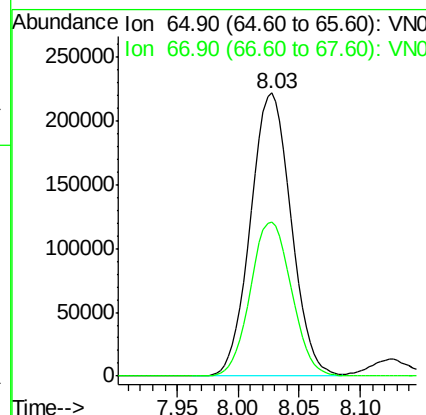
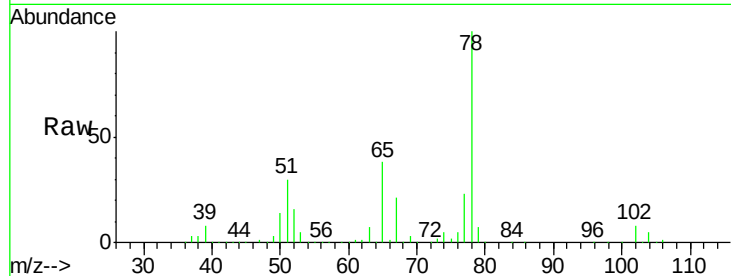
#33
 1,2-Dichloroethane-d4
 Concen: 47.562 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053317.D
 Acq: 8 Jan 2019 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	511939		
67	55.3	0.0	111.0	

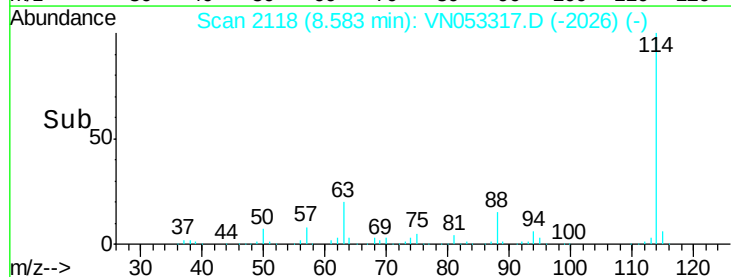
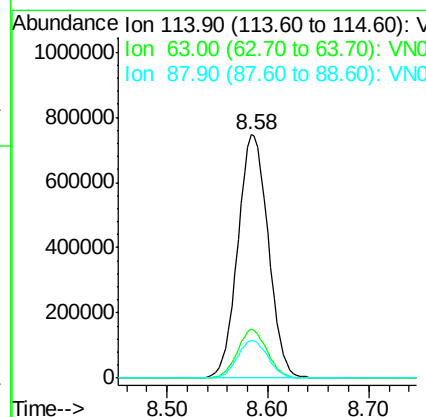
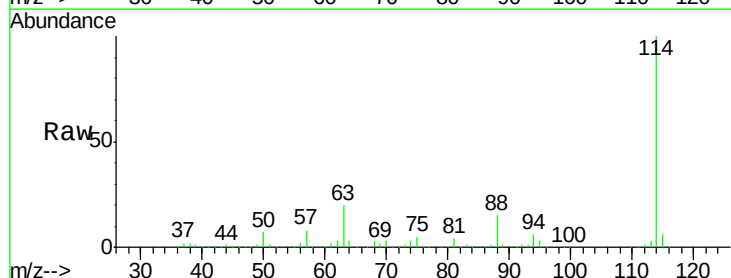
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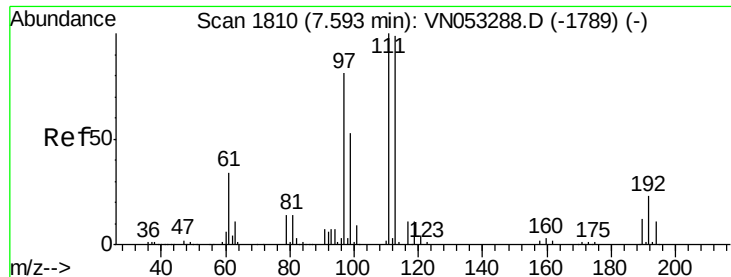
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053317.D
 Acq: 8 Jan 2019 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1561752		
63	19.9	0.0	39.0	
88	15.3	0.0	30.8	





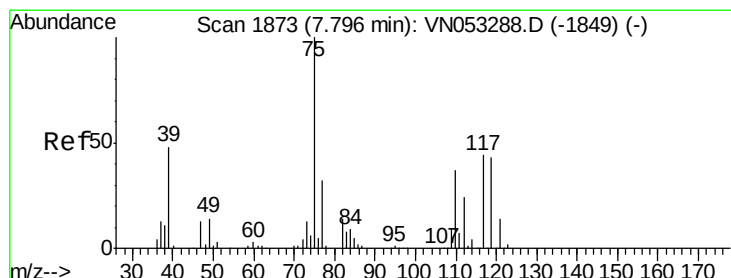
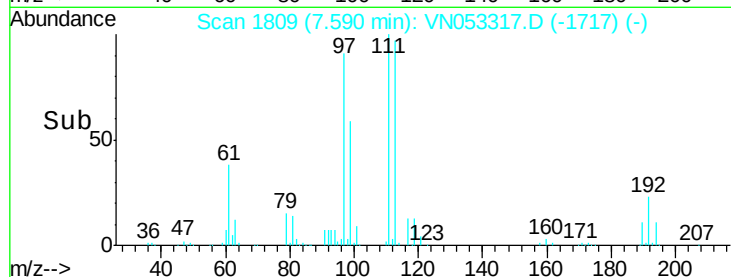
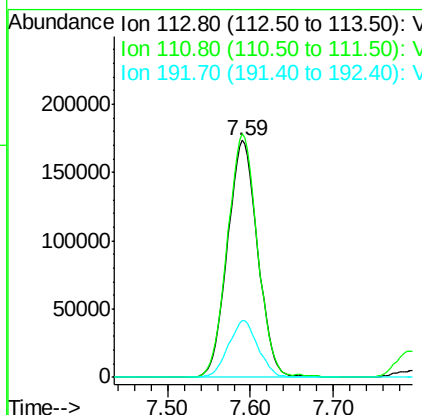
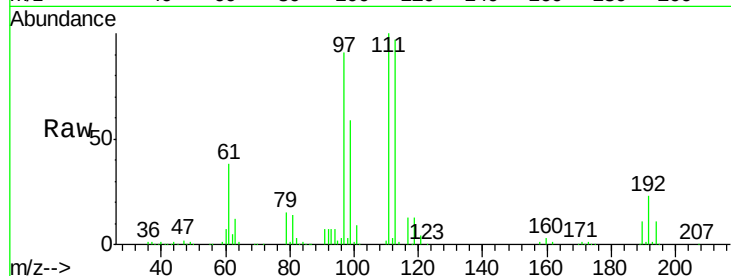
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053317.D
 Acq: 8 Jan 2019 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	439275		
111	102.7		81.4	122.2
192	23.5		17.9	26.9

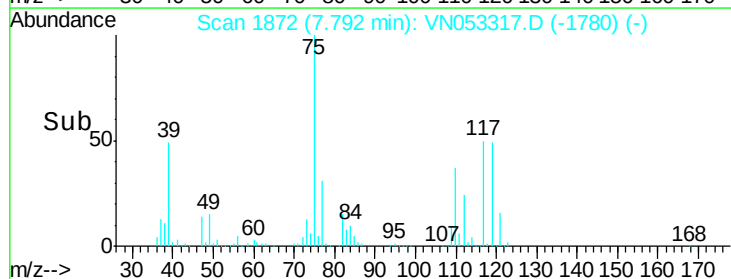
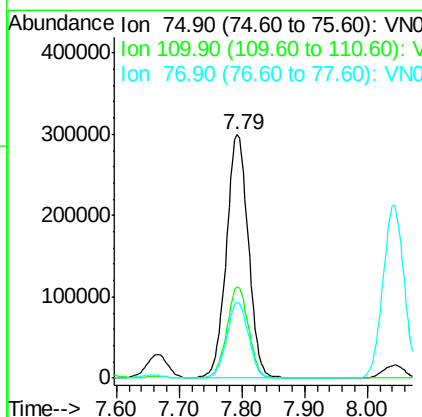
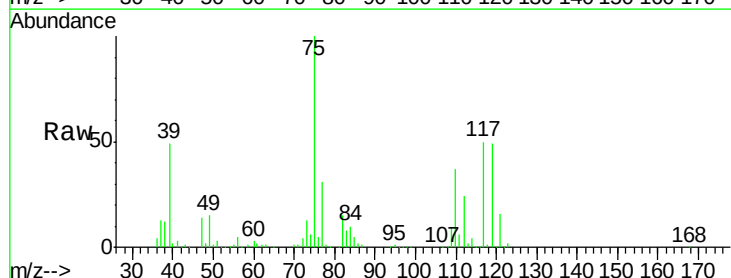
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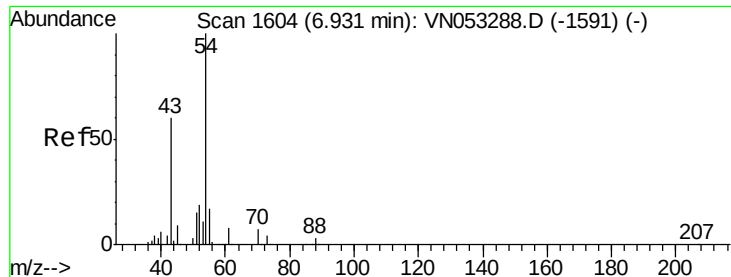
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 49.623 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053317.D
 Acq: 8 Jan 2019 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	723507		
110	37.0		18.4	55.0
77	31.1		25.3	37.9





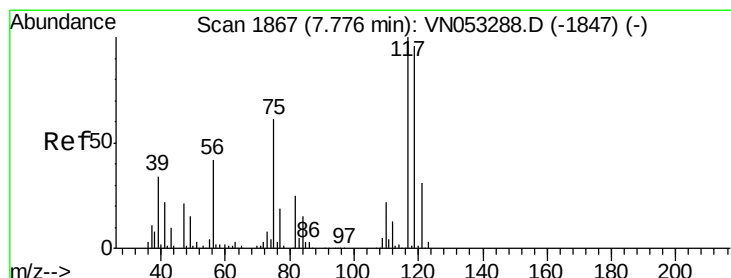
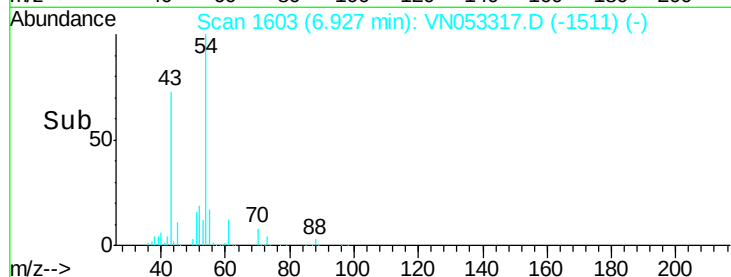
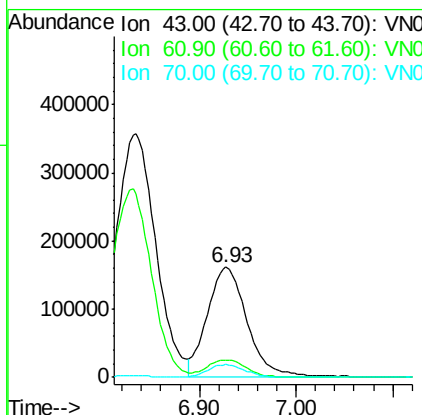
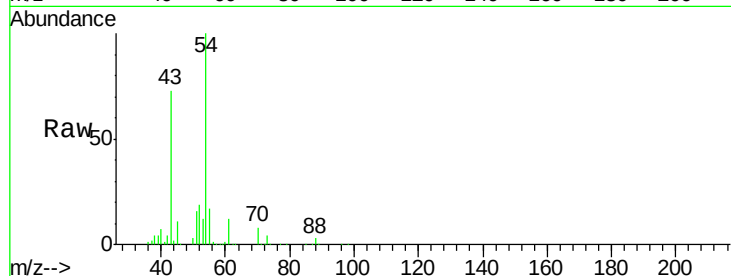
#37
Ethyl Acetate
Concen: 47.851 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.9	17.9
70	11.3	8.6	13.0

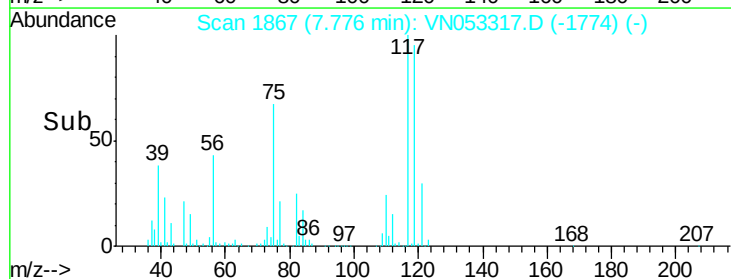
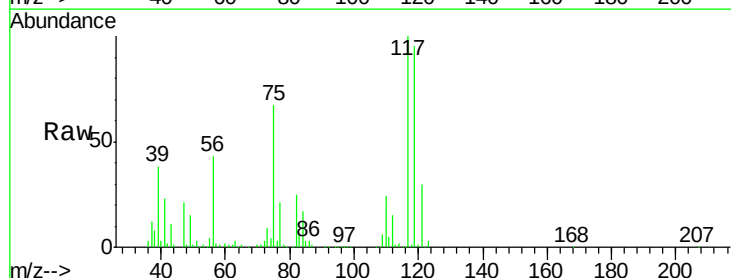
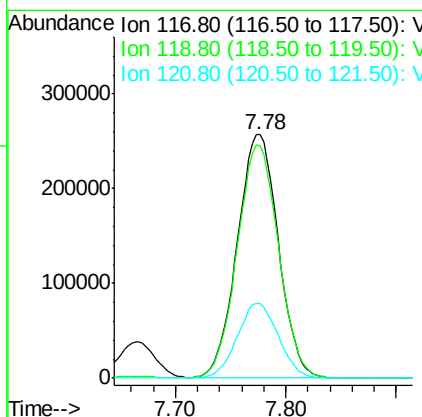
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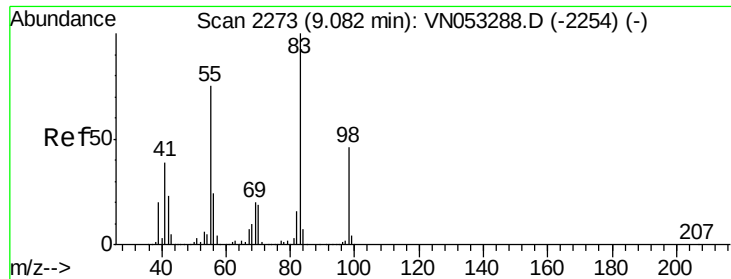
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.058 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.6	115.0
121	30.6	25.0	37.4





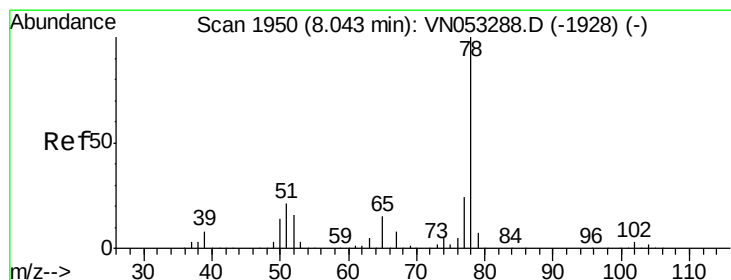
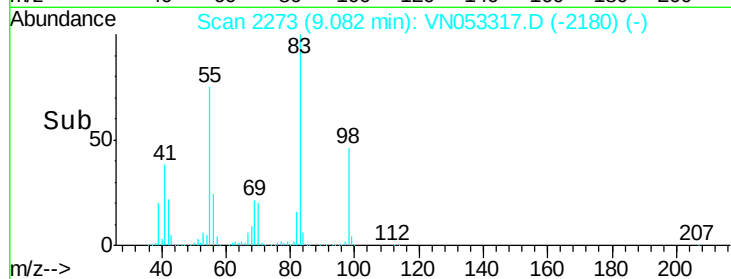
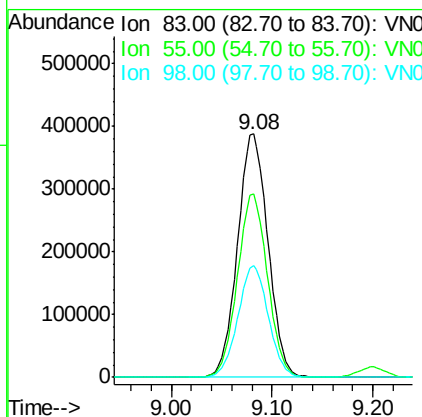
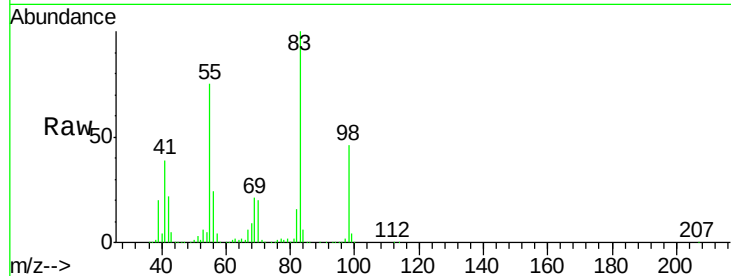
#39
Methylvlcyclohexane
Concen: 48.104 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	60.1	90.1
98	45.9	36.7	55.1

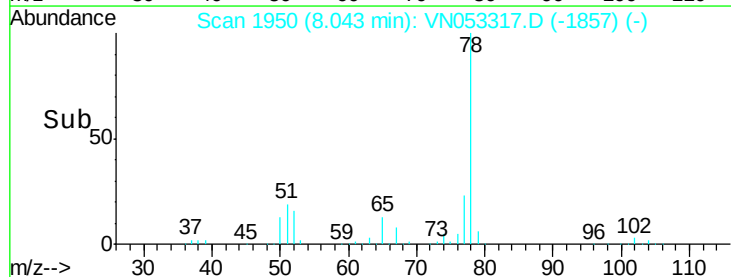
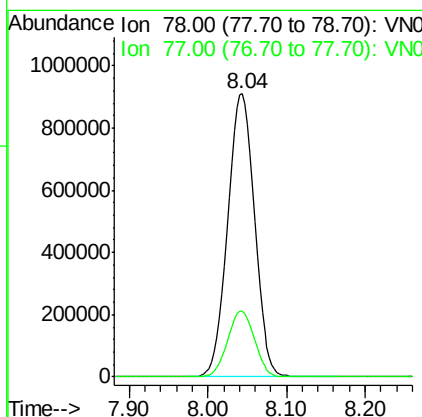
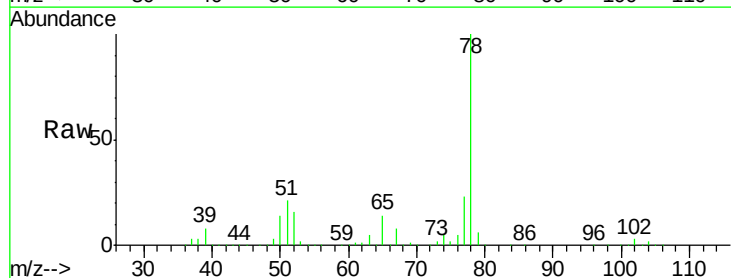
Manual Integrations
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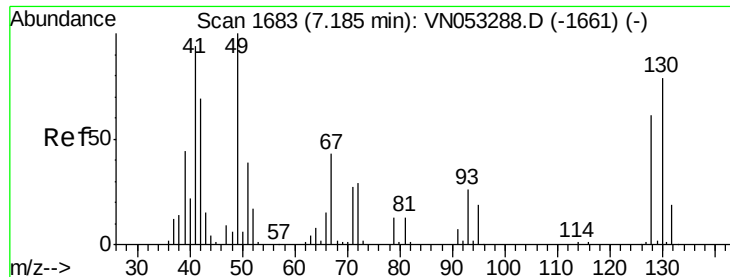
MMDadoda
1/9/2019 10:58:07 AM



#40
Benzene
Concen: 48.445 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4





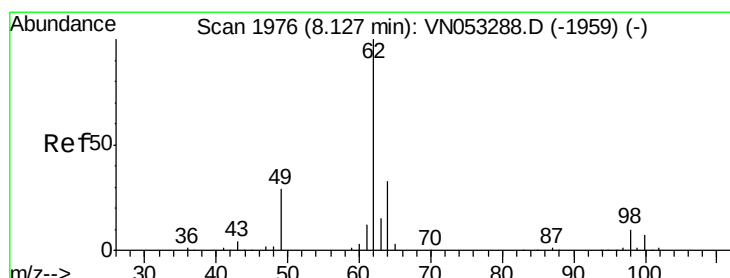
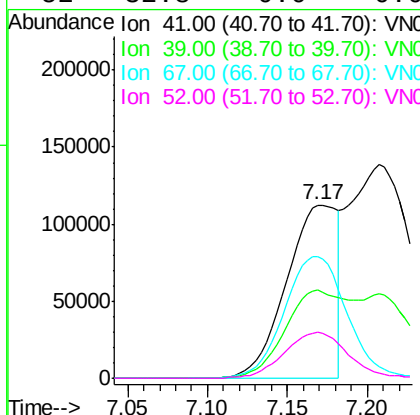
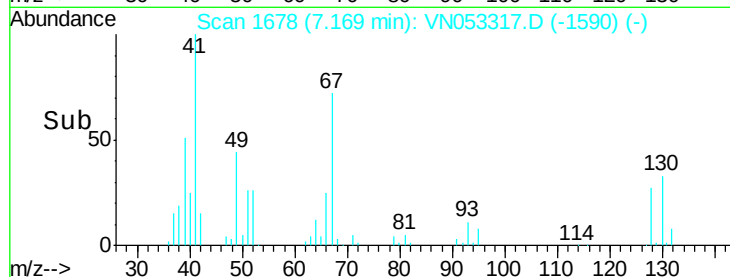
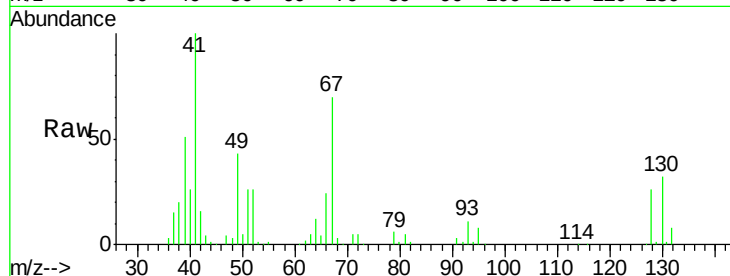
#41
Methacrylonitrile
Concen: 42.301 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.02 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		249404		
39	63.0	0.0	0.0#		
67	86.6	0.0	0.0#		
52	32.8	0.0	0.0#		

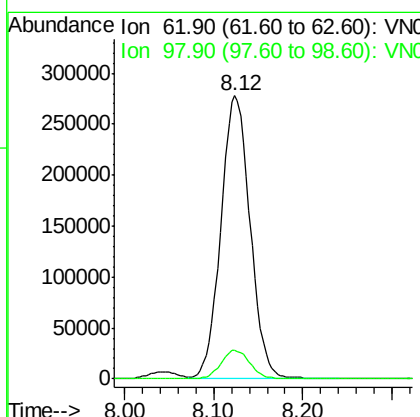
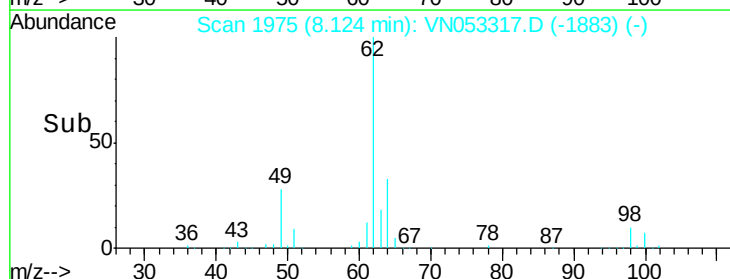
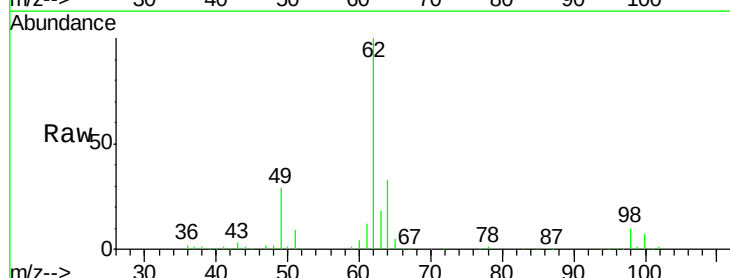
Manual Integrations
APPROVED

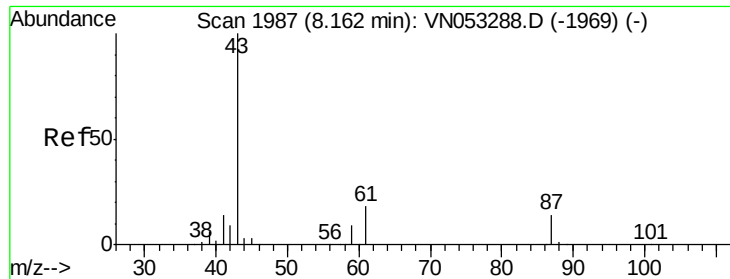
MMDadoda
1/9/2019 10:58:07 AM



#42
1,2-Dichloroethane
Concen: 47.643 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		629391		
98	10.1	0.0	20.2		





#43

Isopropyl Acetate

Concen: 43.890 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

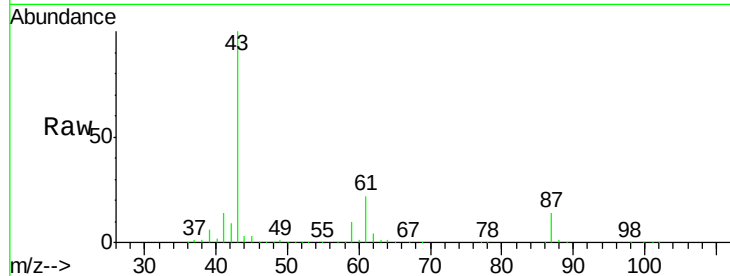
ClientSampleId :

VSTDCCC050EC

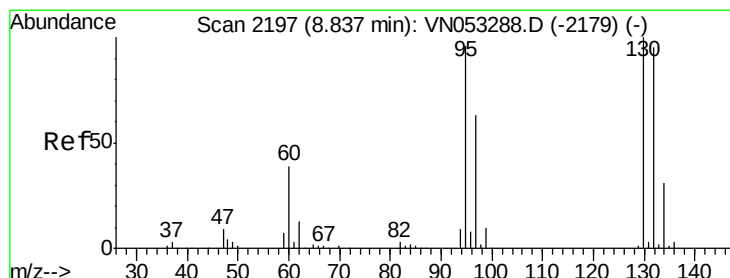
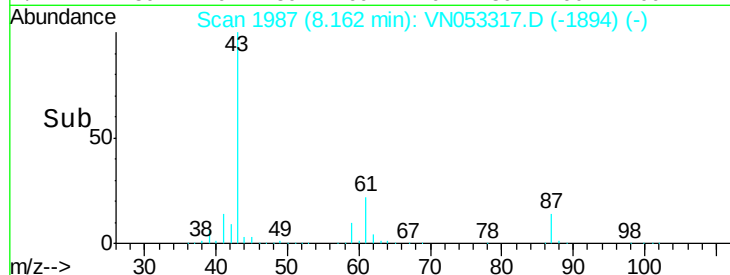
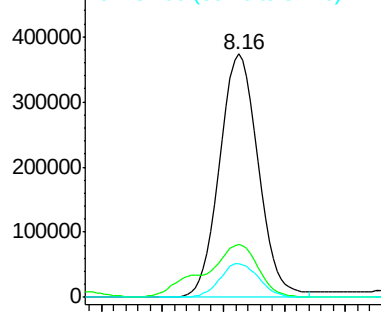
Tot Ion:	43	Resp:	819972
Ion	Ratio	Lower	Upper
43	100		
61	30.0	23.3	34.9
87	14.0	10.8	16.2

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN053317.D (-1894) (-)



#44

Trichloroethene

Concen: 48.822 ug/l

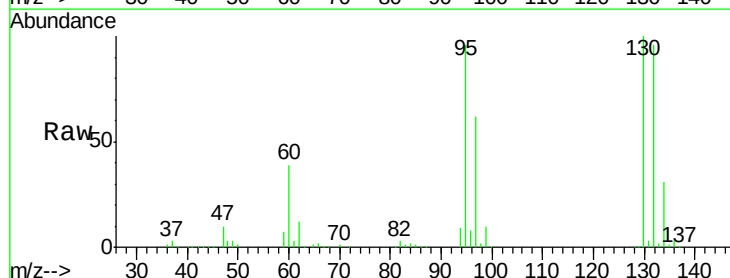
RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

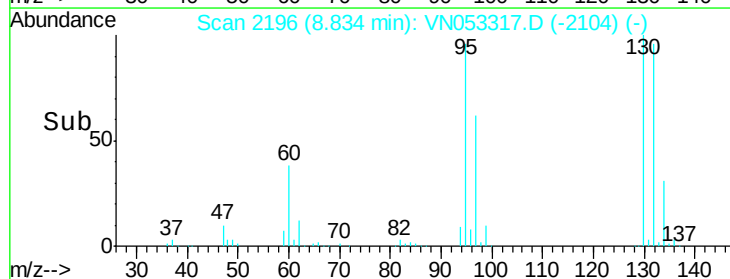
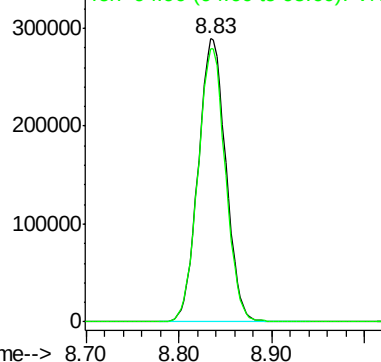
Lab File: VN053317.D

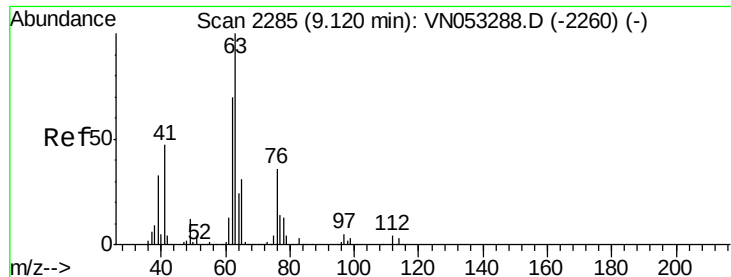
Acq: 8 Jan 2019 17:39

Tgt Ion:	130	Resp:	597043
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	191.8



Abundance Ion 129.80 (129.50 to 130.50): VN053317.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 48.708 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 568950

Ion Ratio Lower Upper

63 100

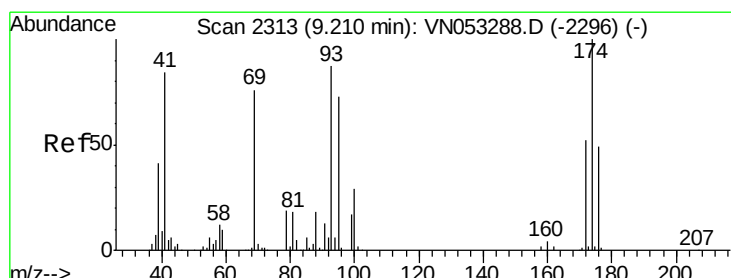
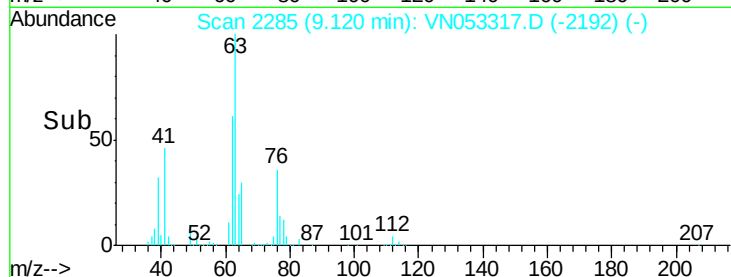
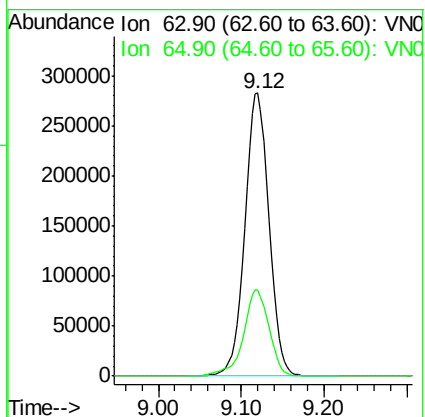
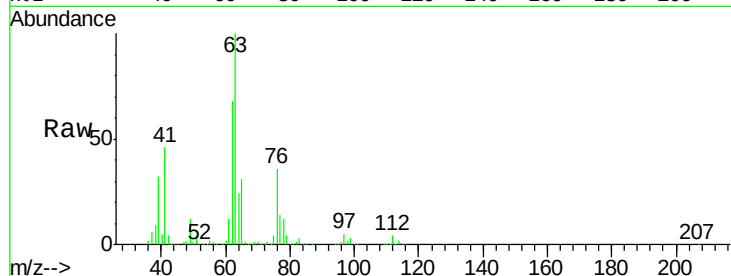
65 30.5 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 48.780 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

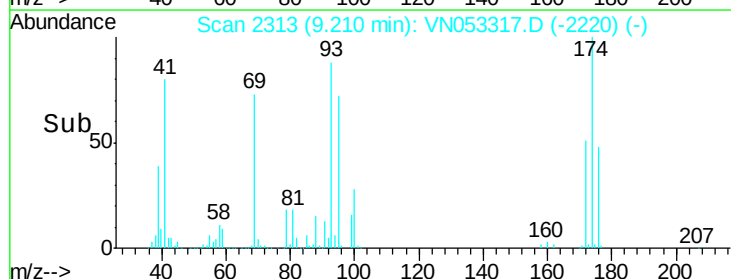
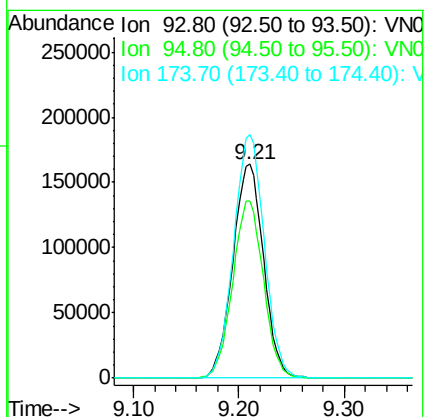
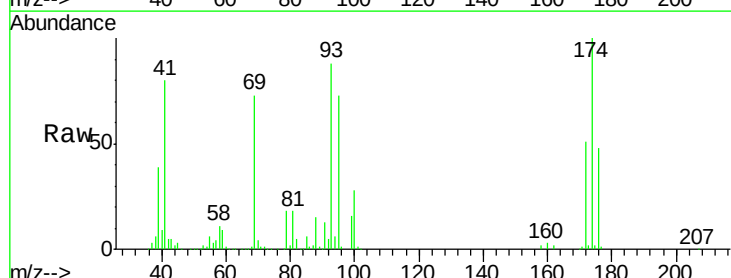
Tgt Ion: 93 Resp: 332227

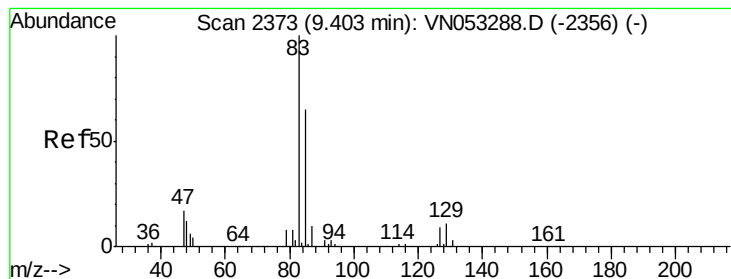
Ion Ratio Lower Upper

93 100

95 82.5 66.6 100.0

174 113.4 91.4 137.0





#47

Bromodichloromethane

Concen: 48.596 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

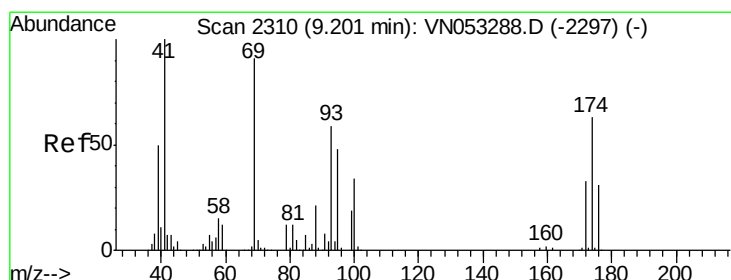
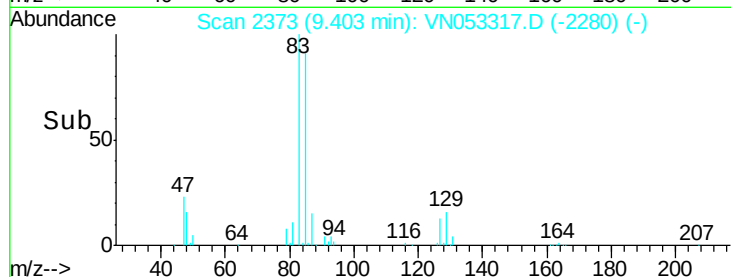
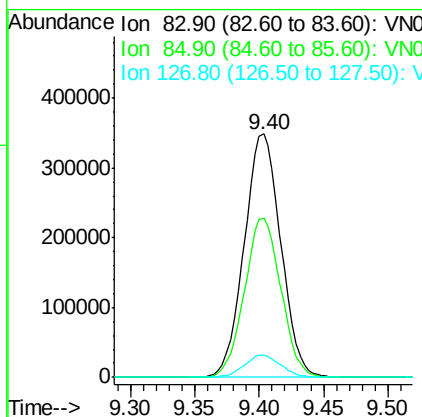
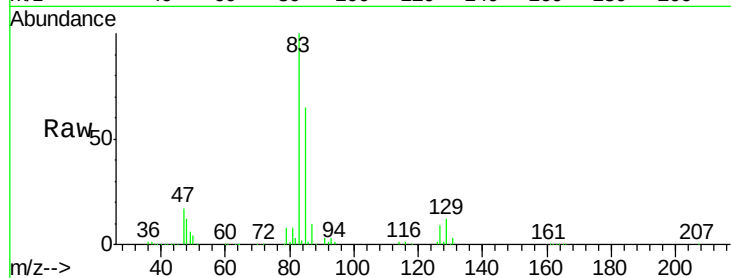
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	689727
Ion Ratio	Lower	Upper	
83	100		
85	65.4	51.7	77.5
127	9.2	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.982 ug/l

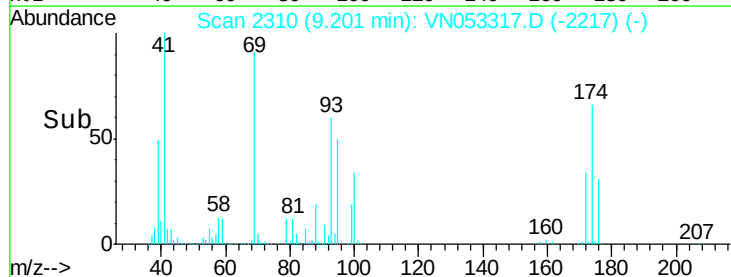
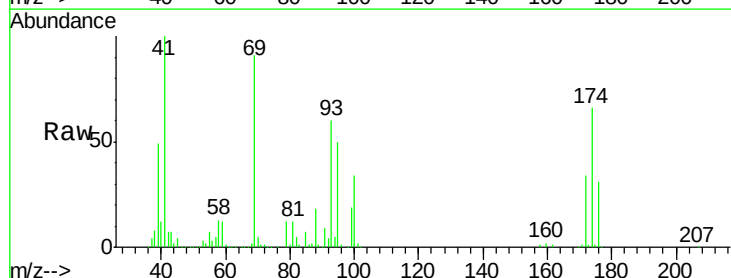
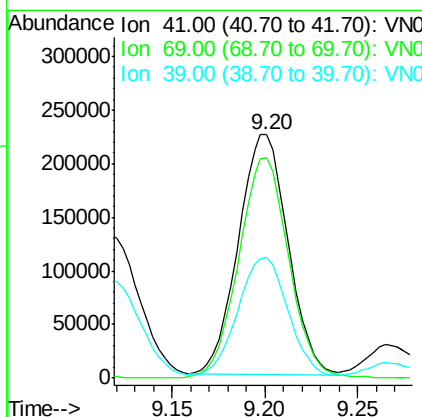
RT: 9.20 min Scan# 2310

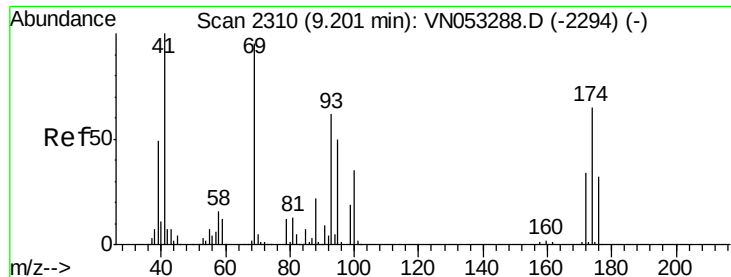
Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Tgt Ion:	41	Resp:	415750
Ion Ratio	Lower	Upper	
41	100		
69	92.9	73.5	110.3
39	51.8	41.6	62.4





#49

1,4-Dioxane

Concen: 950.418 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

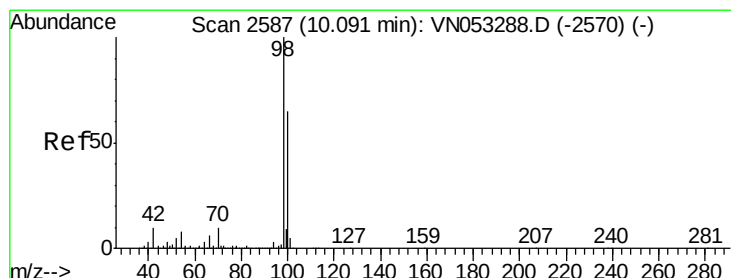
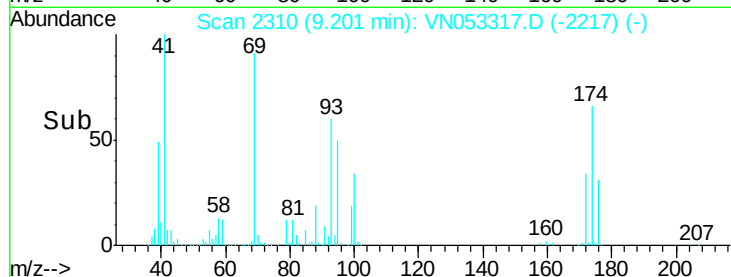
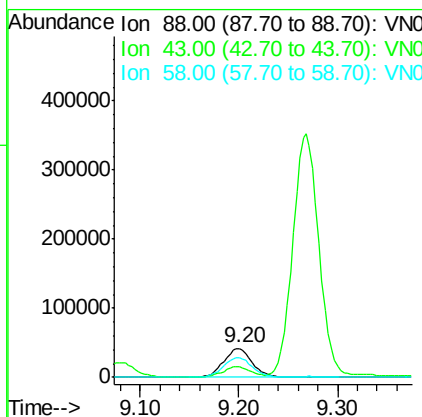
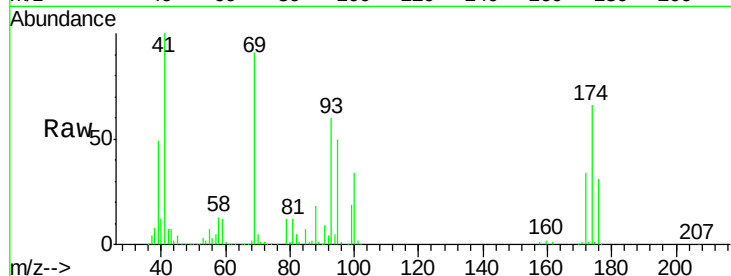
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	85947
Ion	Ratio	Lower	Upper
88	100		
43	34.4	26.2	39.4
58	69.5	55.5	83.3

Manual Integrations
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#50

Toluene-d8

Concen: 950.418 ug/l

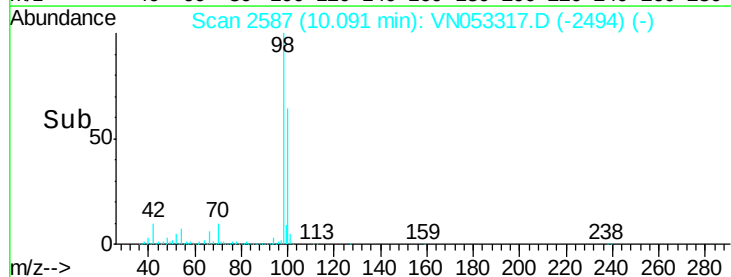
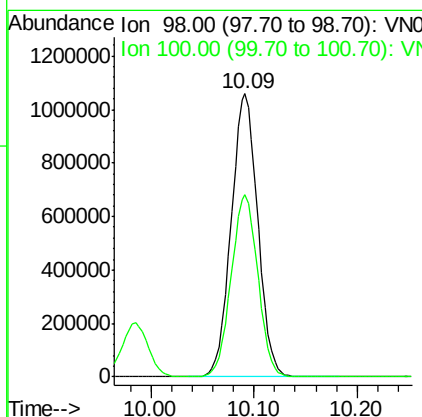
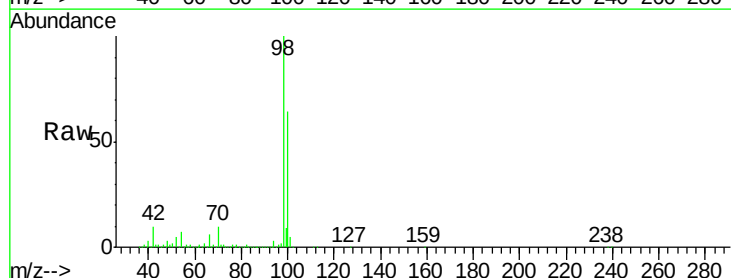
RT: 10.09 min Scan# 2587

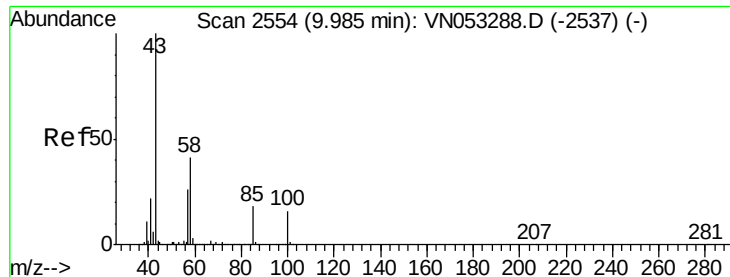
Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Tgt Ion:	98	Resp:	1899276
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 246.984 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 2320443

Ion Ratio Lower Upper

43 100

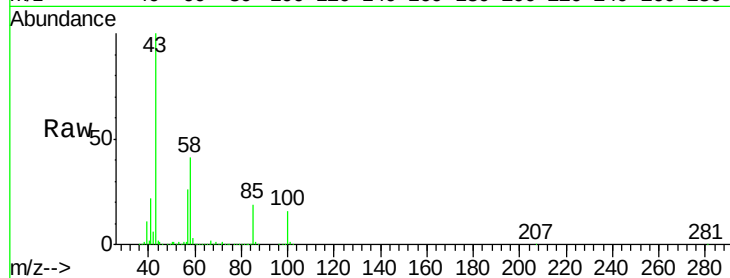
58 41.0 32.7 49.1

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Abundance Ion 43.00 (42.70 to 43.70): VN053317.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN053317.D (-2461) (-)

1500000

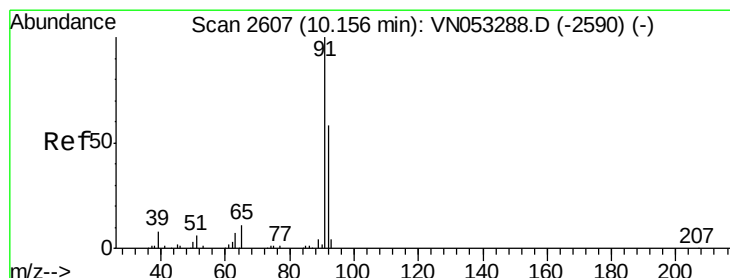
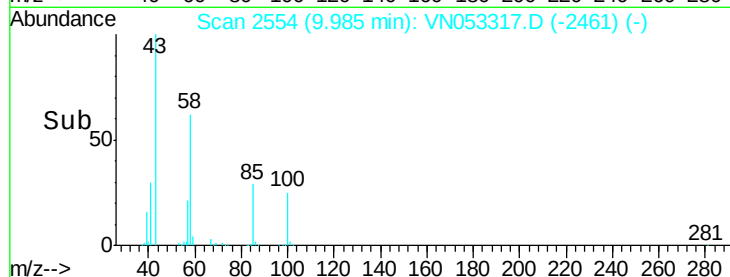
1000000

500000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 49.602 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053317.D

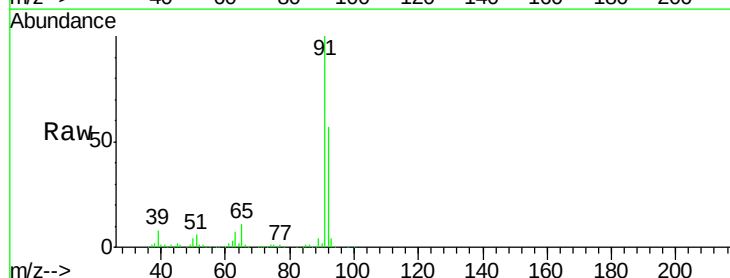
Acq: 8 Jan 2019 17:39

Tgt Ion: 92 Resp: 1355262

Ion Ratio Lower Upper

92 100

91 174.6 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN053317.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN053317.D (-2514) (-)

1500000

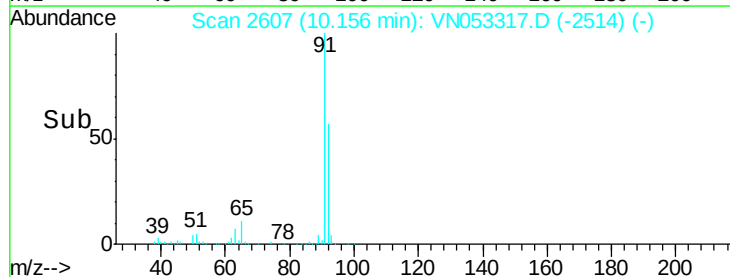
1000000

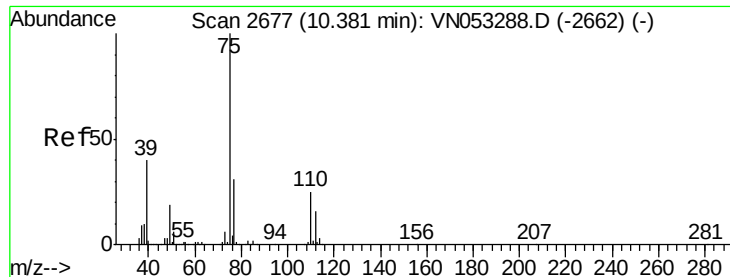
500000

0

10.10 10.16 10.20

Time-->





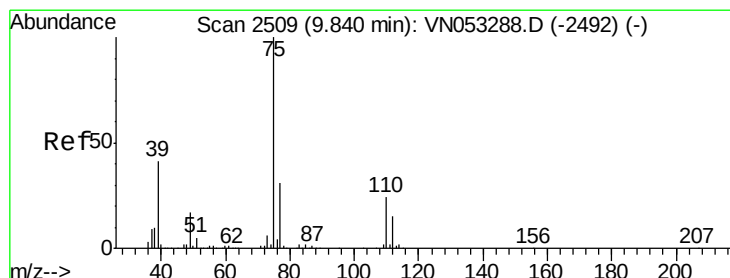
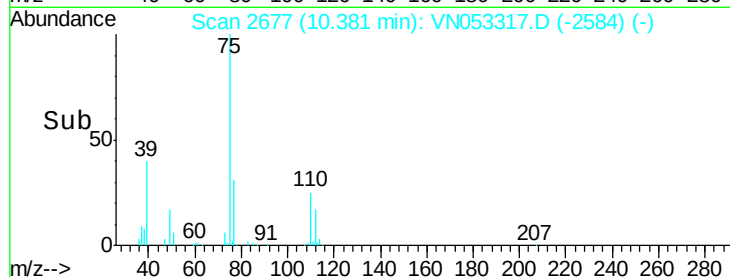
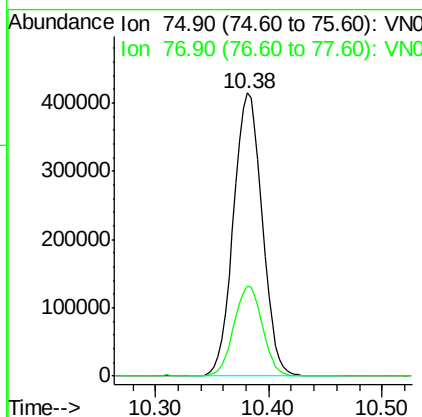
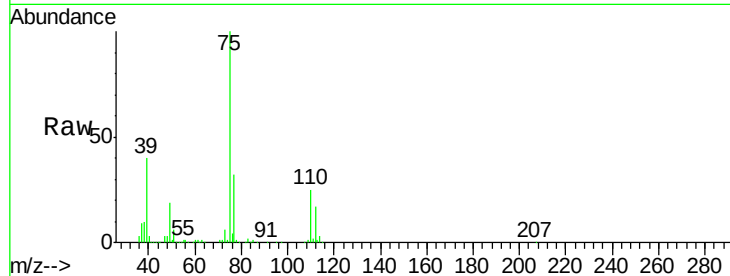
#53
t-1,3-Dichloropropene
Concen: 50.636 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.4

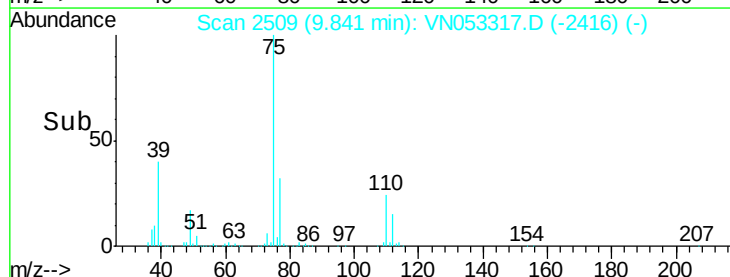
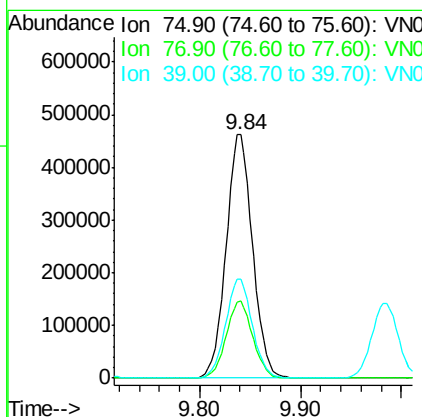
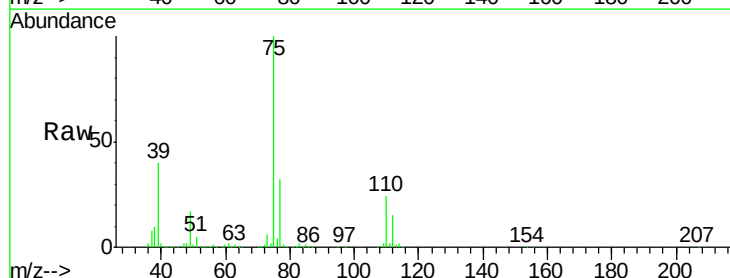
Manual Integrations
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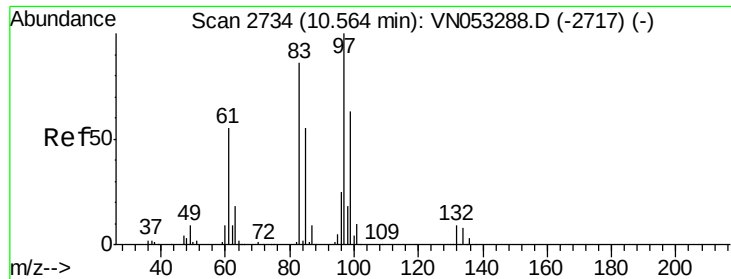
MMDadoda
1/9/2019 10:58:07 AM



#54
cis-1,3-Dichloropropene
Concen: 50.295 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	40.4	33.1	49.7





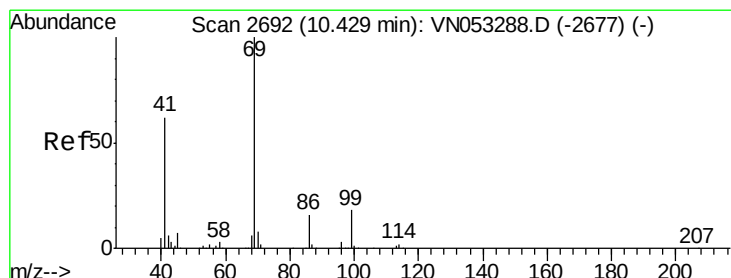
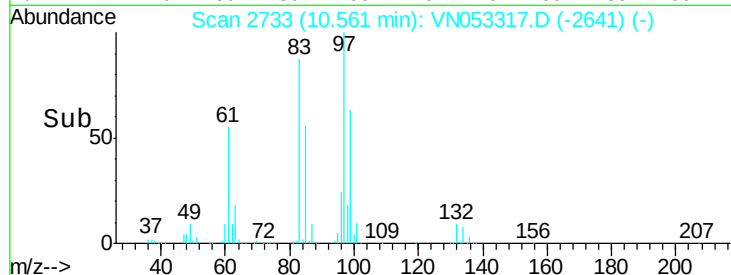
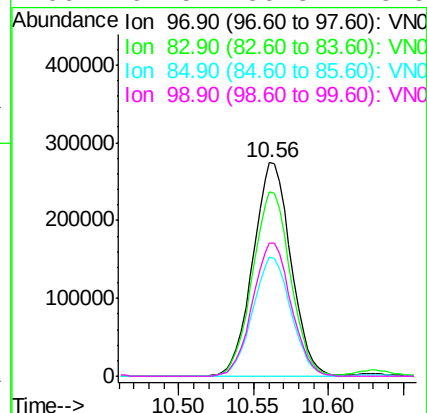
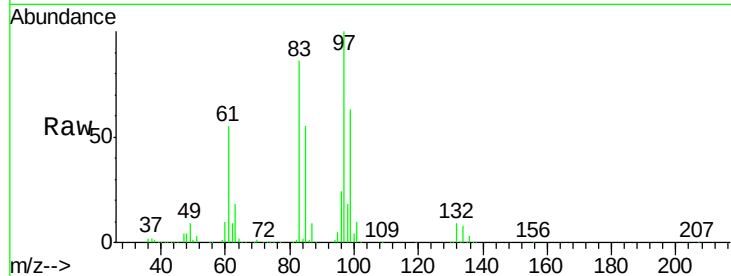
#55
 1,1,2-Trichloroethane
 Concen: 48.335 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053317.D
 Acq: 8 Jan 2019 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		485600		
83	86.5	69.1	103.7		
85	55.5	44.2	66.4		
99	62.5	50.3	75.5		

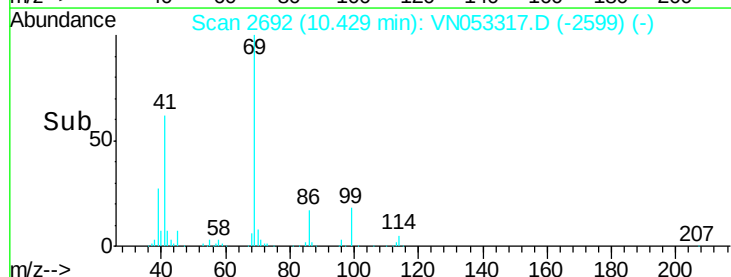
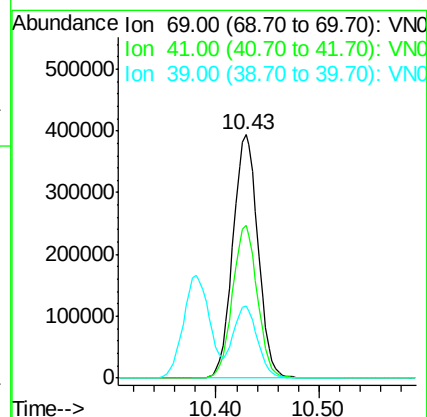
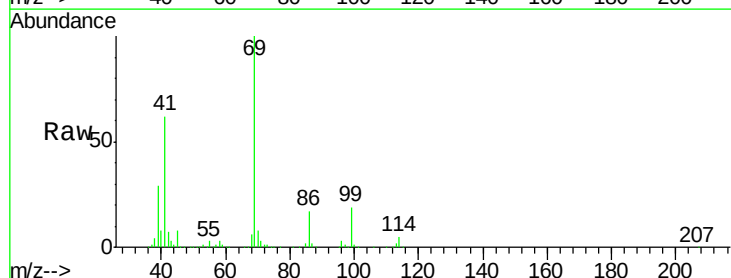
Manual Integrations
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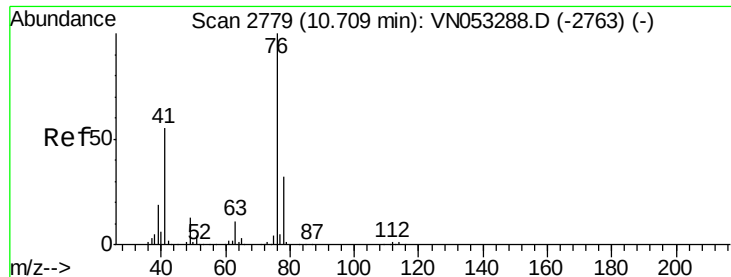
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 1/9/2019 10:58:07 AM



#56
 Ethyl methacrylate
 Concen: 51.253 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053317.D
 Acq: 8 Jan 2019 17:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		669132		
41	61.2	49.2	73.8		
39	28.7	23.4	35.0		





#57

1,3-Dichloropropane

Concen: 49.041 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 823917

Ion Ratio Lower Upper

76 100

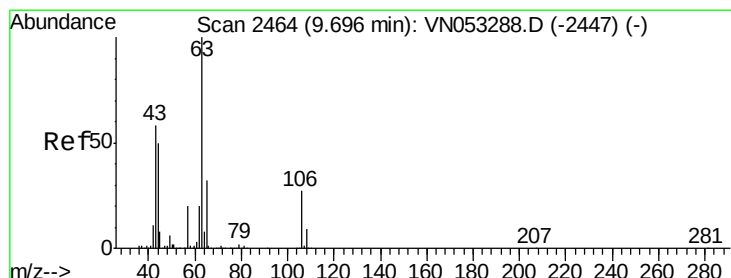
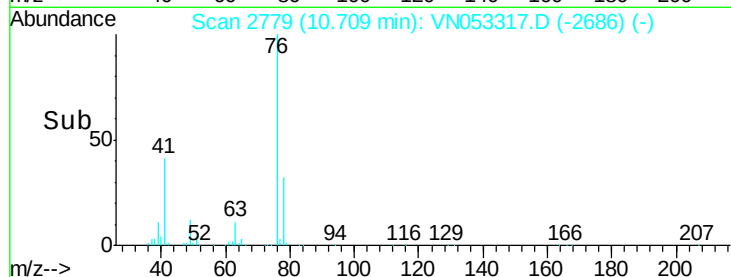
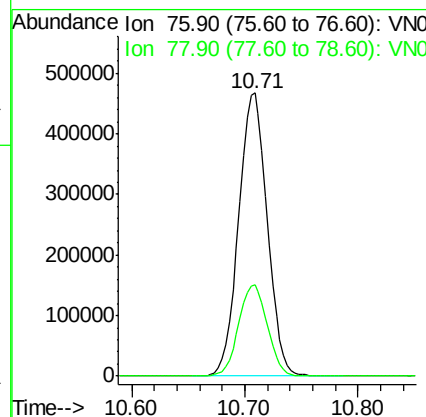
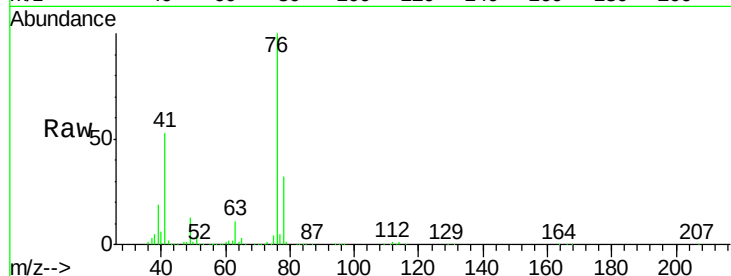
78 32.4 25.8 38.8

Manual Integrations

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1/9/2019 10:58:07 AM



#58

2-Chloroethyl Vinyl ether

Concen: 236.325 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053317.D

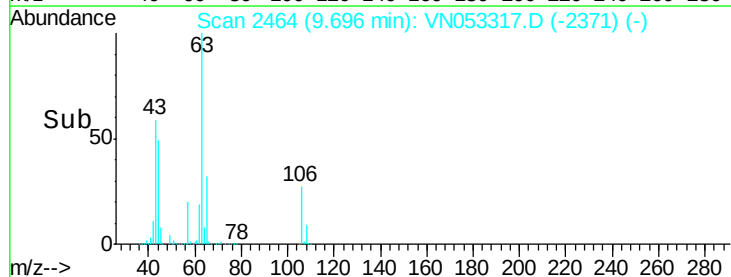
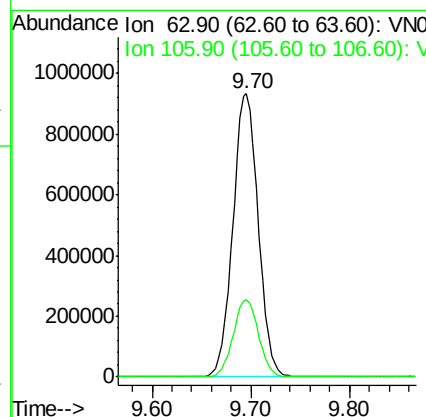
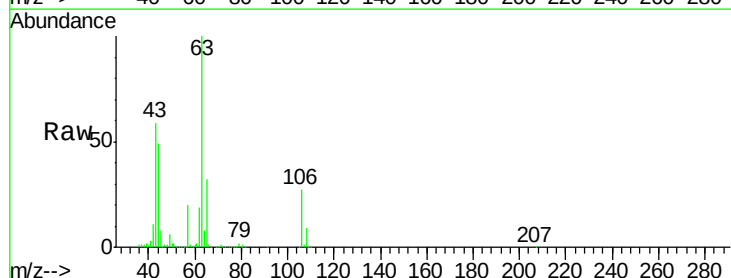
Acq: 8 Jan 2019 17:39

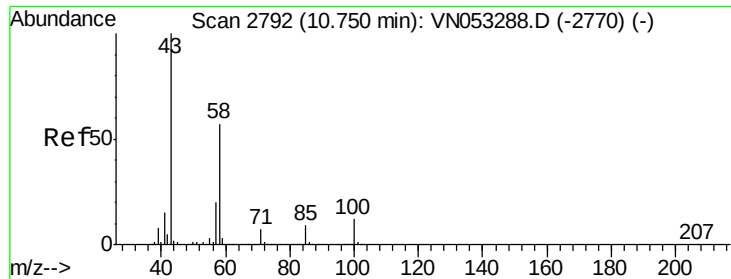
Tgt Ion: 63 Resp: 1668014

Ion Ratio Lower Upper

63 100

106 27.3 21.7 32.5





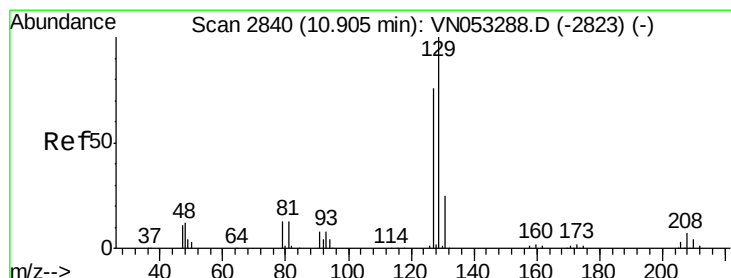
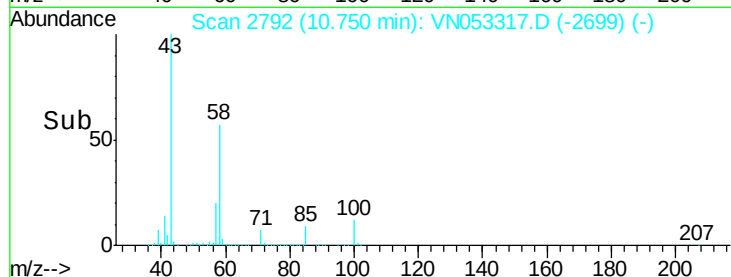
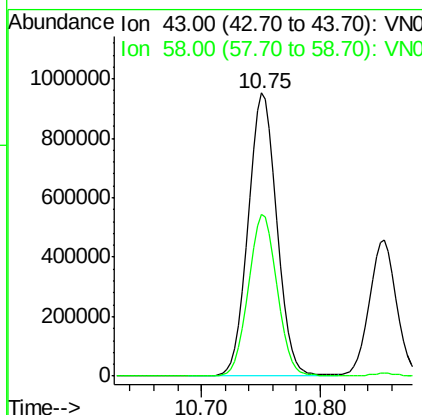
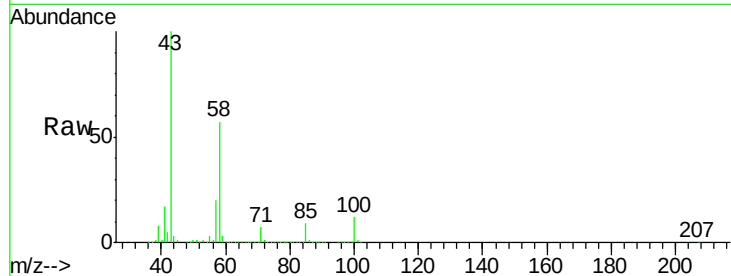
#59
2-Hexanone
Concen: 246.678 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1587909
Ion Ratio Lower Upper
43 100
58 57.3 28.3 85.0

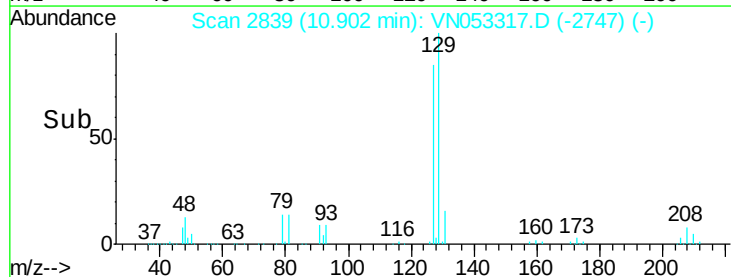
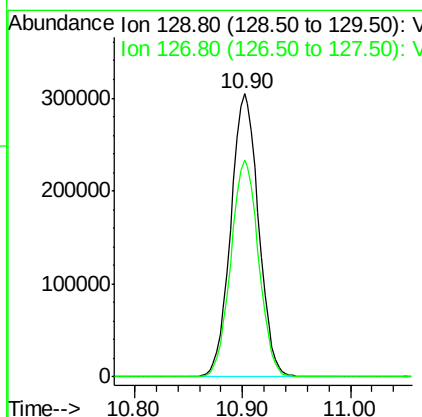
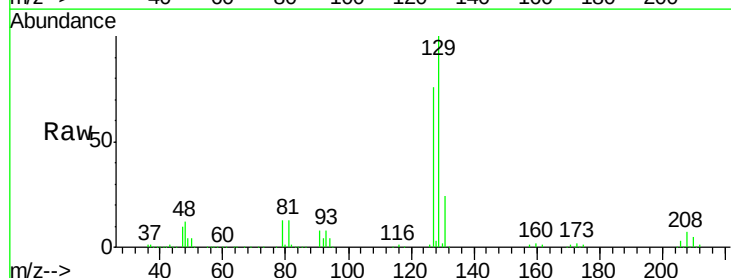
Manual Integrations
APPROVED

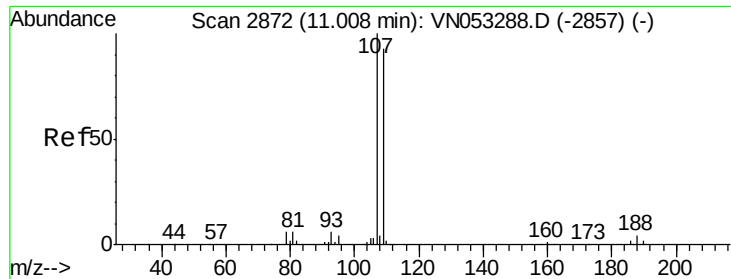
MMDadoda
1/9/2019 10:58:07 AM



#60
Dibromochloromethane
Concen: 50.217 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Tgt Ion: 129 Resp: 544151
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2





#61

1,2-Dibromoethane

Concen: 49.456 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 490313

Ion Ratio Lower Upper

107 100

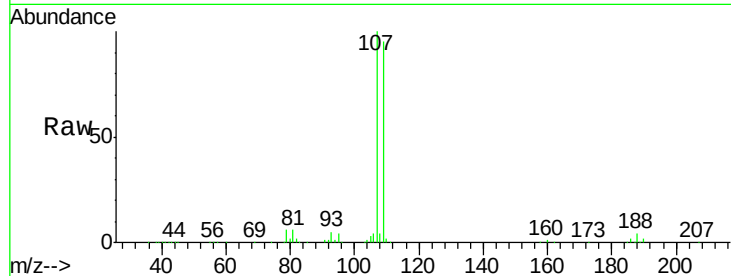
109 95.4 75.0 112.6

Manual Integrations

APPROVED

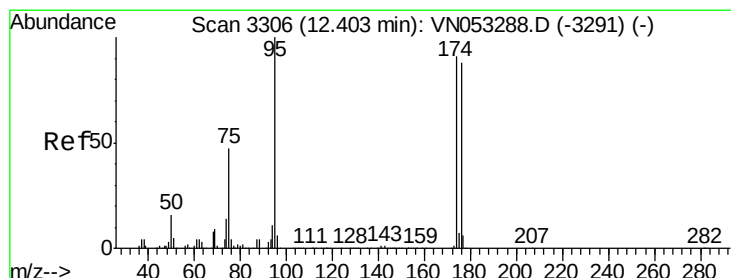
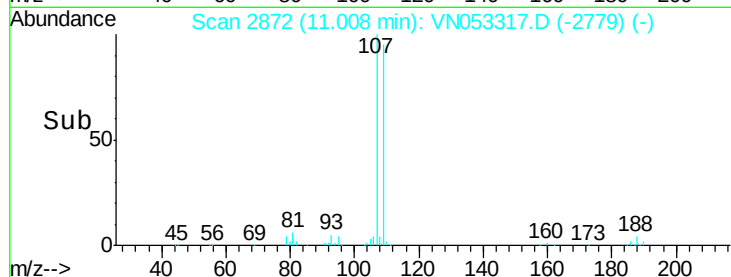
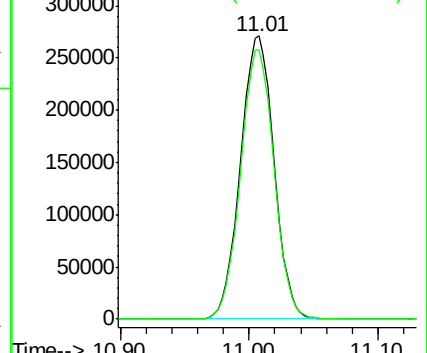
MMDadoda

1/9/2019 10:58:07 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.456 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

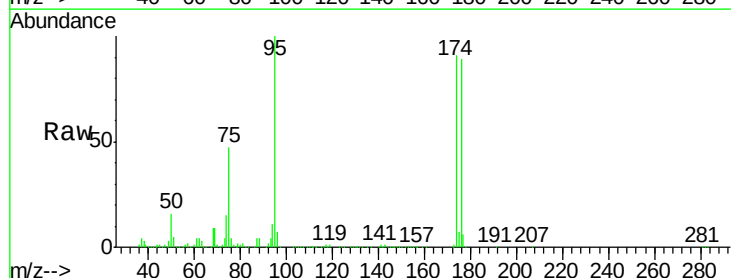
Tgt Ion: 95 Resp: 681283

Ion Ratio Lower Upper

95 100

174 90.6 0.0 180.4

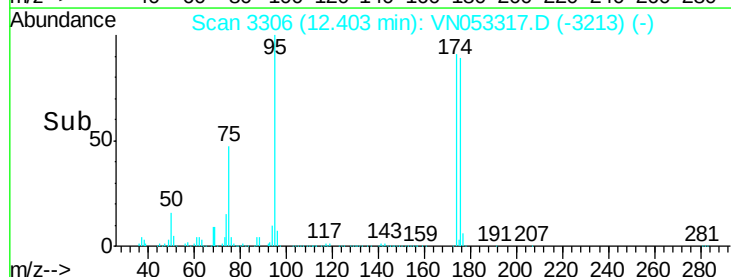
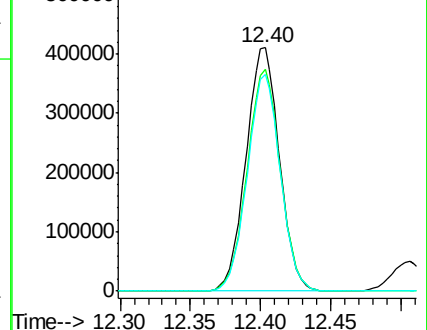
176 88.0 0.0 175.6

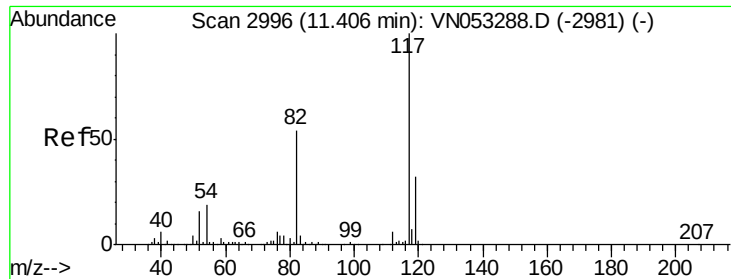


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:117 Resp: 1428170

Ion Ratio Lower Upper

117 100

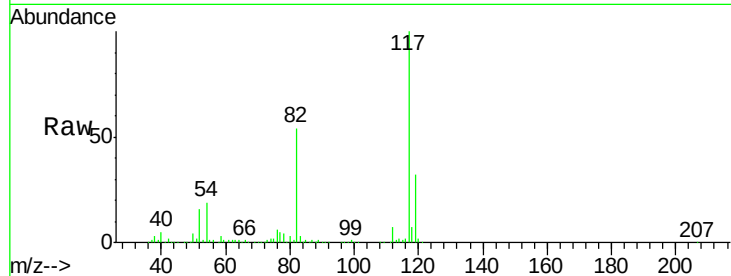
82 53.7 42.9 64.3

119 32.2 25.6 38.4

Manual Integrations
APPROVED

MMDadoda

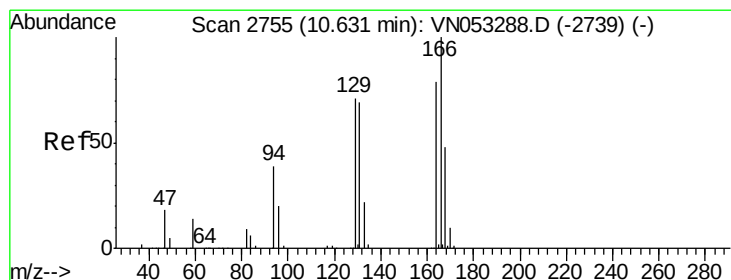
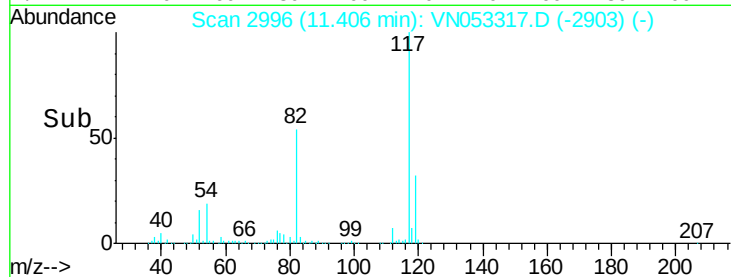
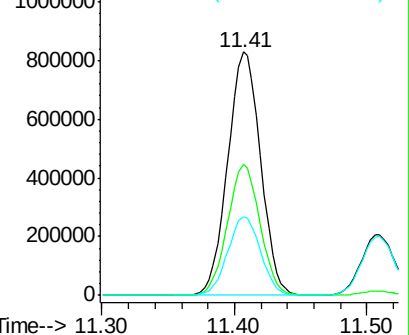
1/9/2019 10:58:07 AM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 47.799 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Tgt Ion:164 Resp: 642506

Ion Ratio Lower Upper

164 100

166 128.3 101.7 152.5

129 89.4 72.1 108.1

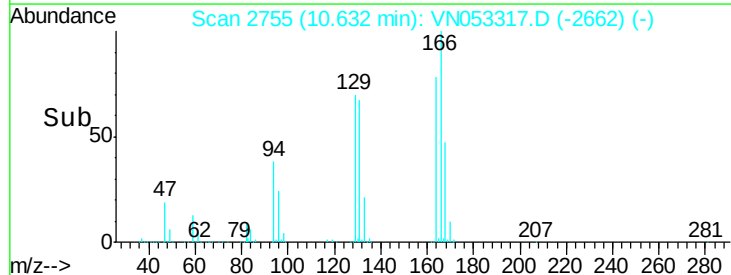
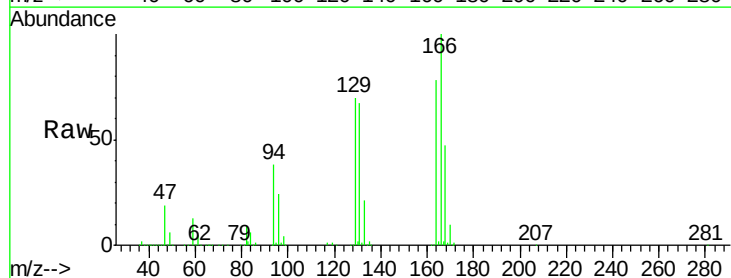
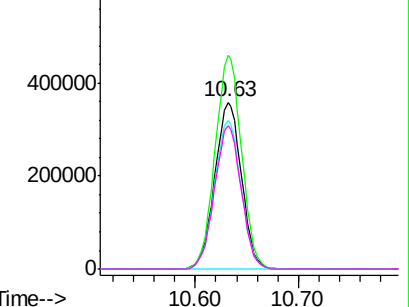
131 86.3 69.9 104.9

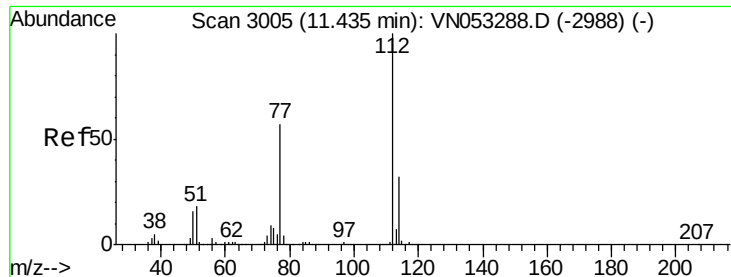
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





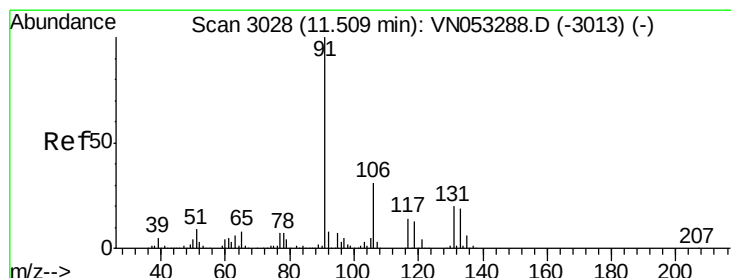
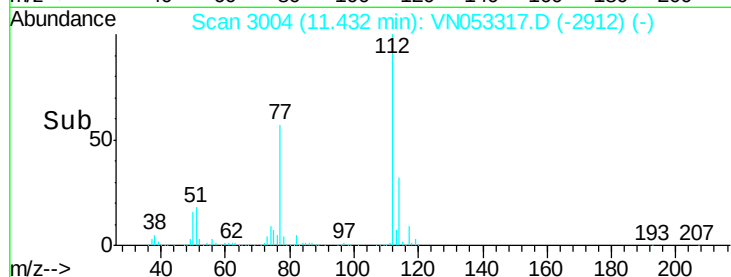
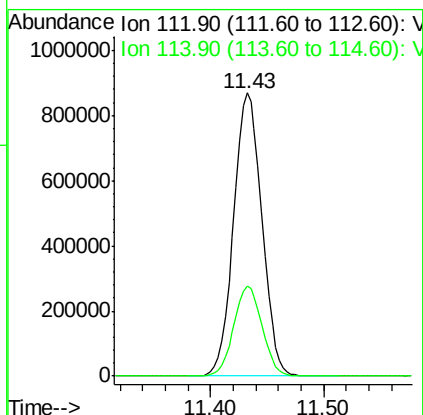
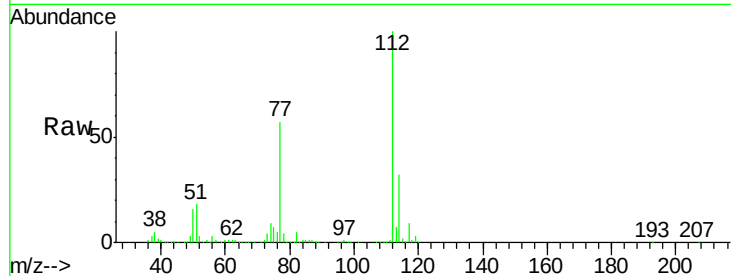
#65
Chlorobenzene
Concen: 48.707 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion:112 Resp: 1511141
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4

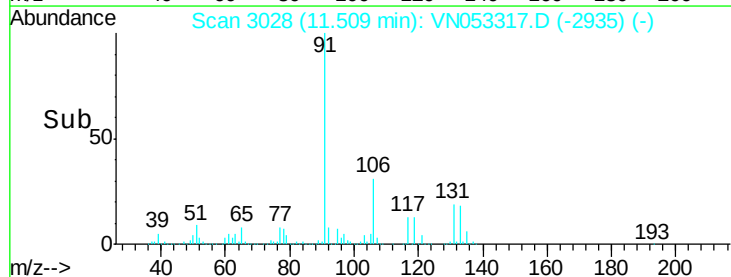
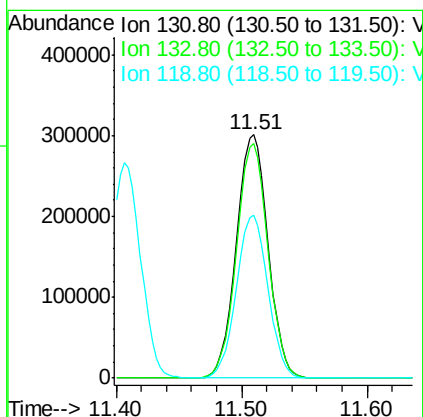
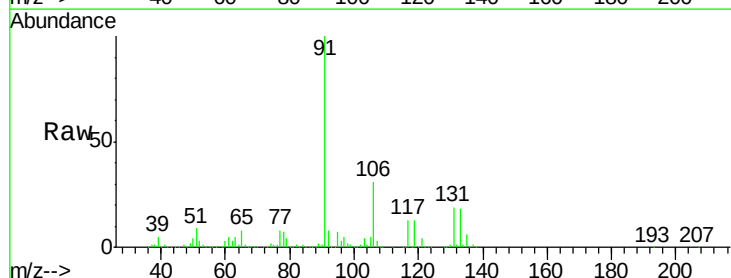
Manual Integrations
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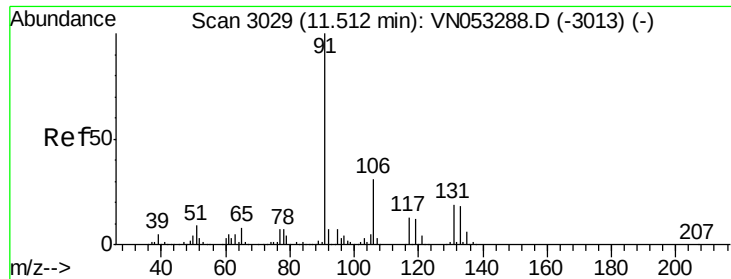
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.728 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Tgt Ion:131 Resp: 529149
Ion Ratio Lower Upper
131 100
133 95.6 48.0 144.0
119 66.8 33.3 99.9





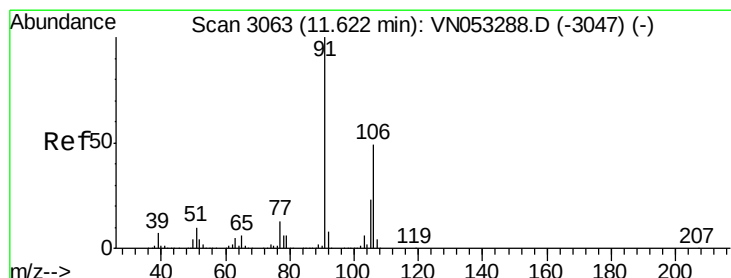
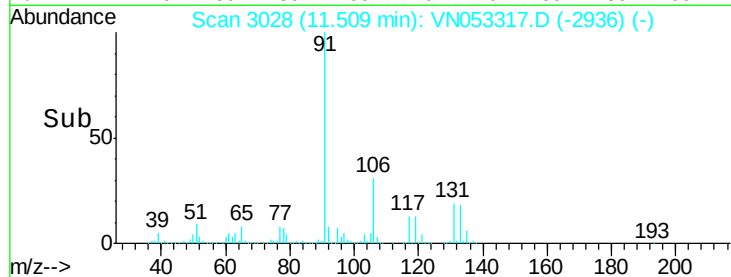
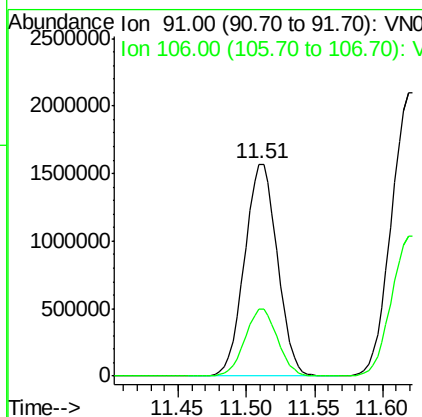
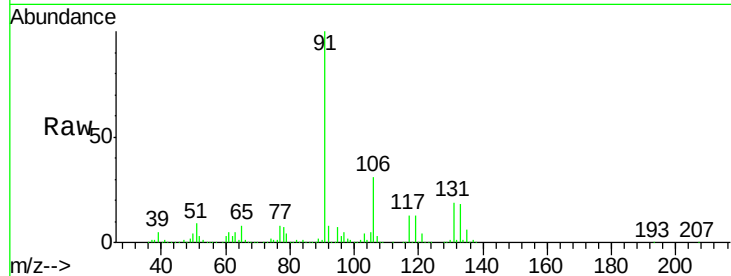
#67
Ethyl Benzene
Concen: 49.837 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2627332
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4

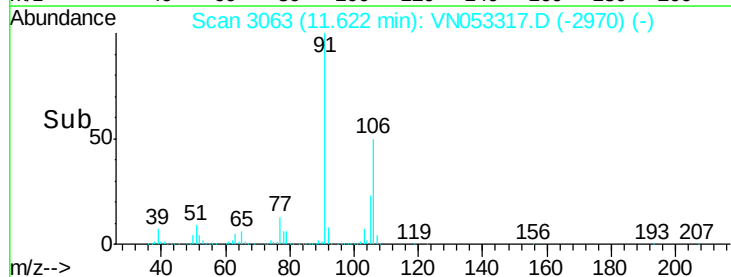
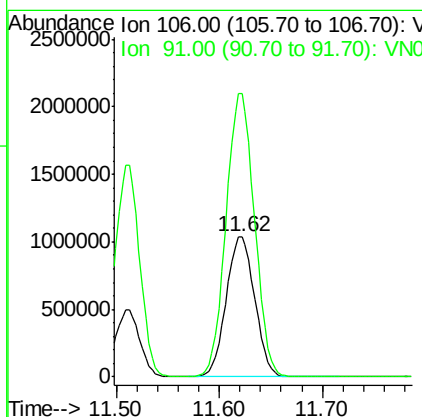
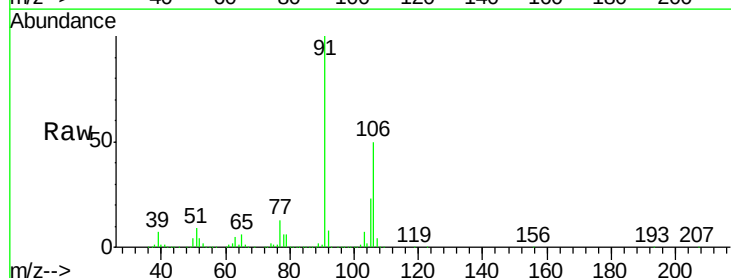
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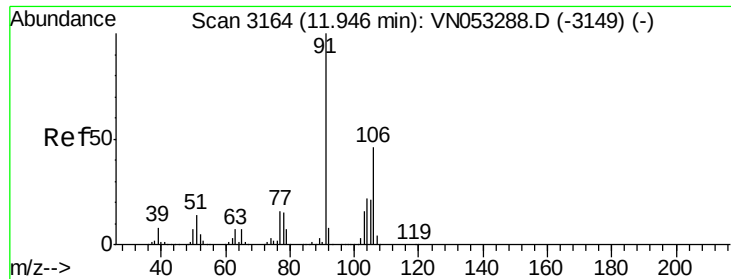
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#68
m/p-Xylenes
Concen: 100.505 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Tgt Ion: 106 Resp: 1992372
Ion Ratio Lower Upper
106 100
91 202.2 161.4 242.2





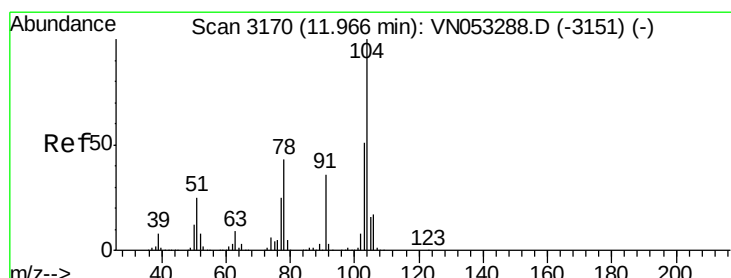
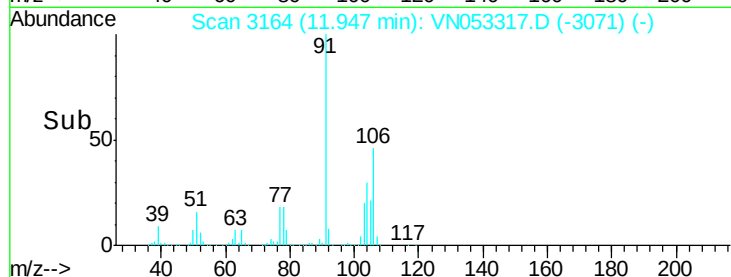
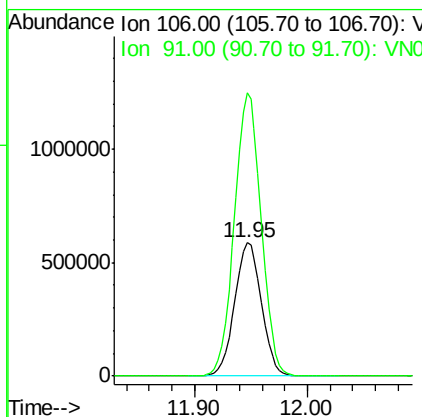
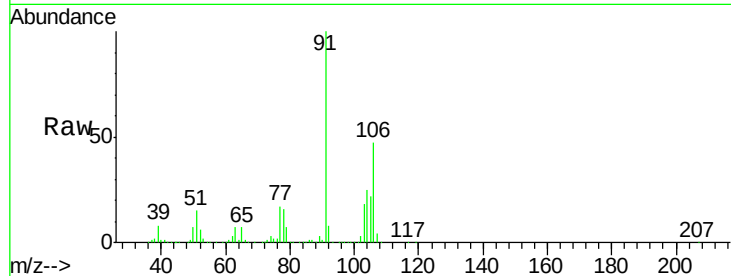
#69
o-Xylene
Concen: 49.862 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	212.2	106.8	320.4	

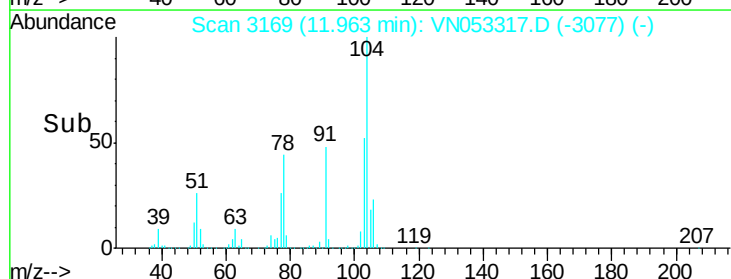
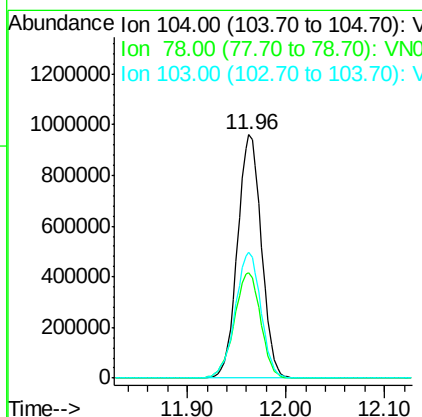
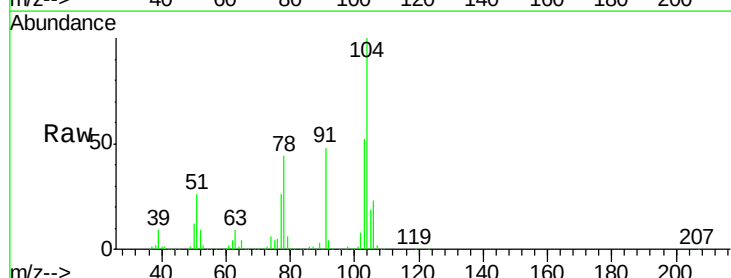
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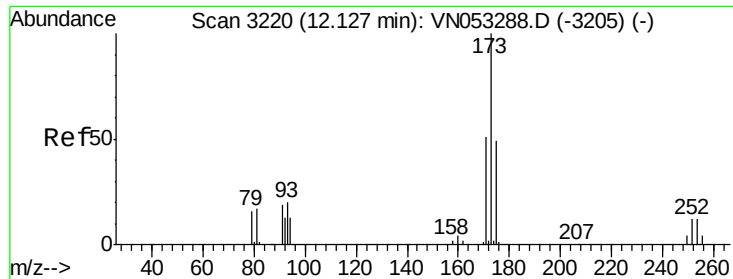
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#70
Styrene
Concen: 51.069 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.9	38.5	57.7	
103	55.5	44.5	66.7	





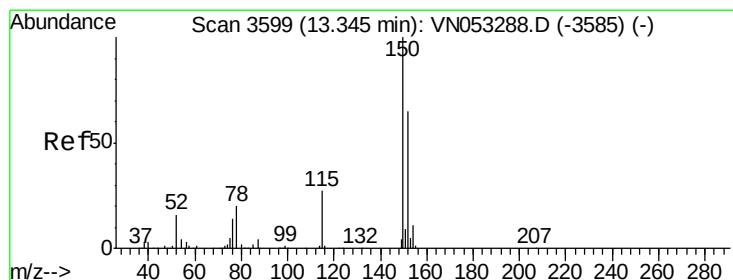
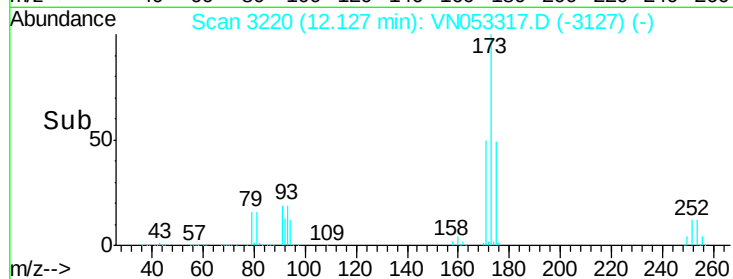
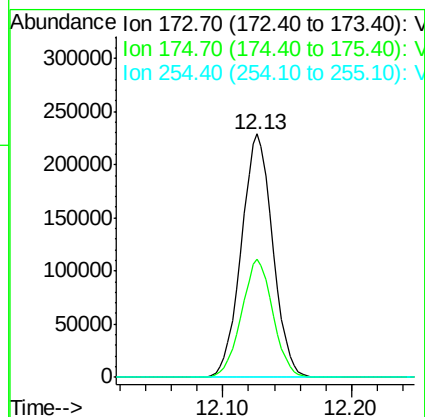
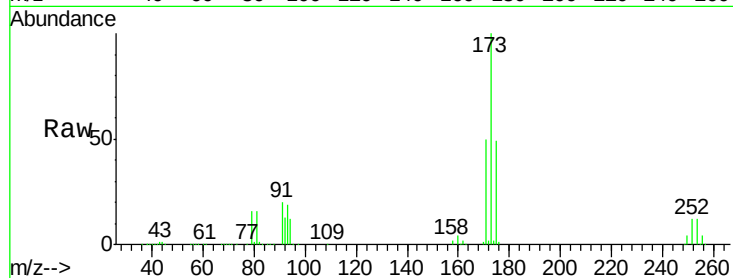
#71
Bromoform
Concen: 50.462 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.8
254	0.1	0.2	0.2#

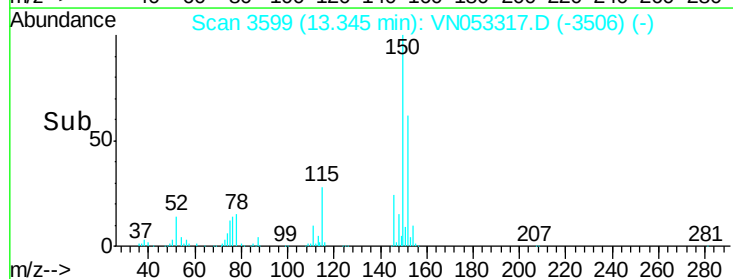
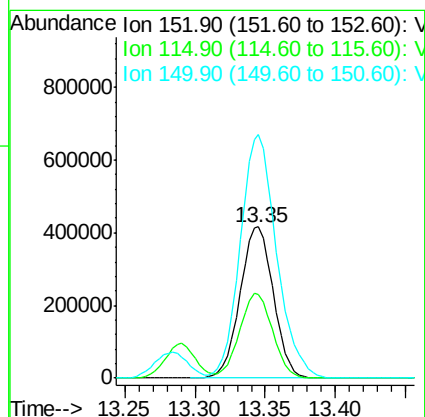
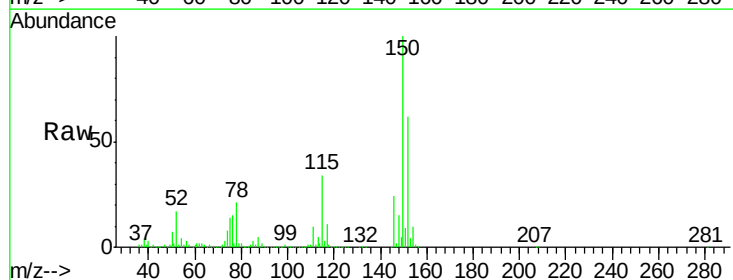
Manual Integrations
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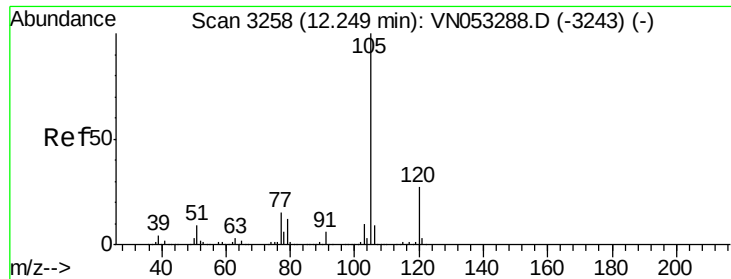
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.0	84.0
150	174.5	0.0	346.6





#73

Isopropylbenzene

Concen: 49.017 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2517134

Ion Ratio Lower Upper

105 100

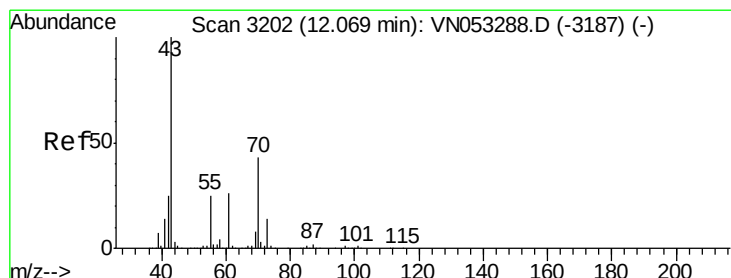
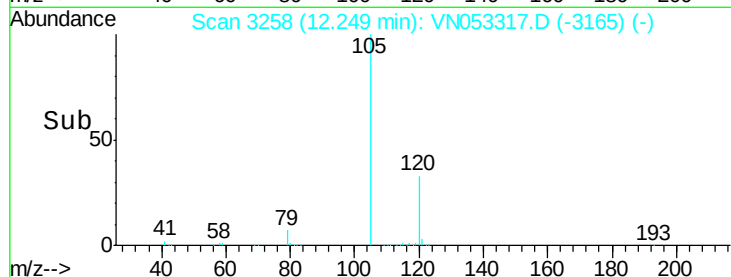
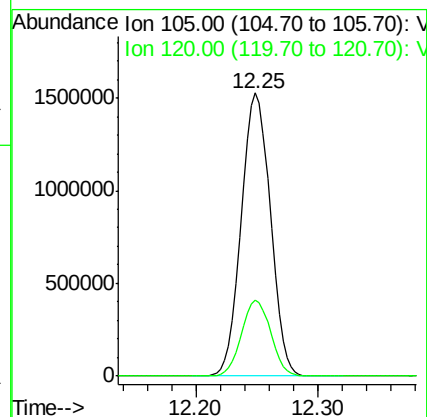
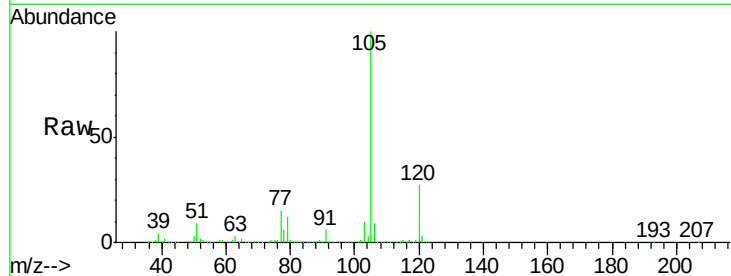
120 26.8 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.892 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Tgt Ion: 43 Resp: 780388

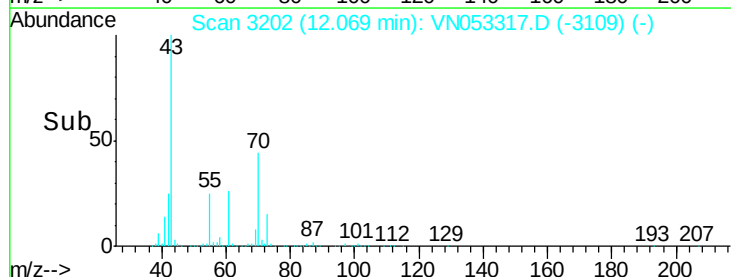
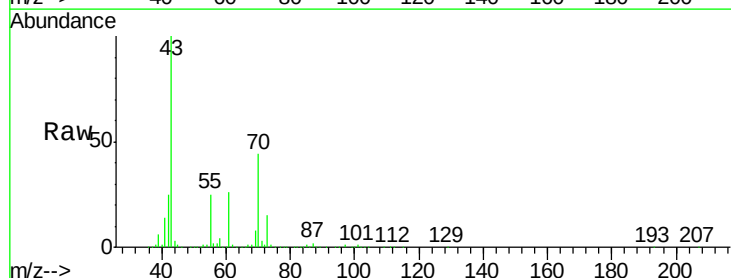
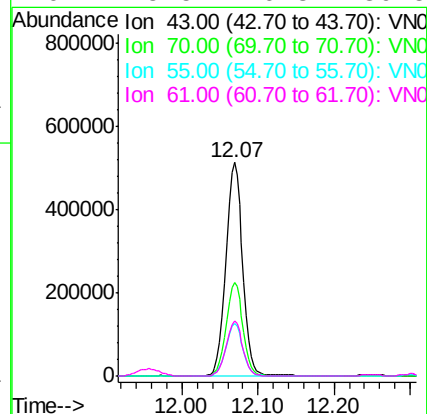
Ion Ratio Lower Upper

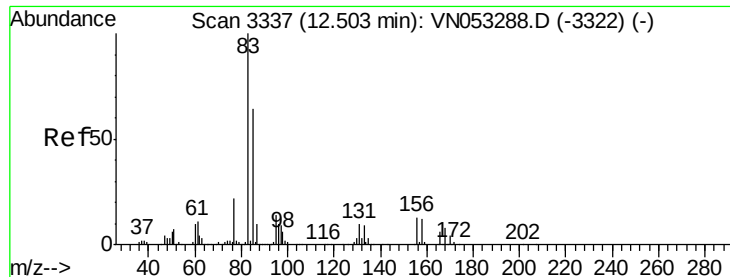
43 100

70 44.0 35.0 52.6

55 24.8 20.0 30.0

61 25.5 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.097 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

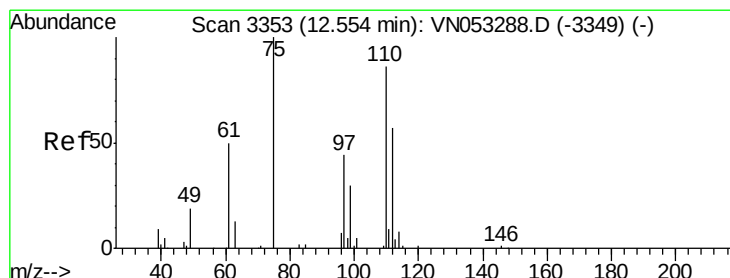
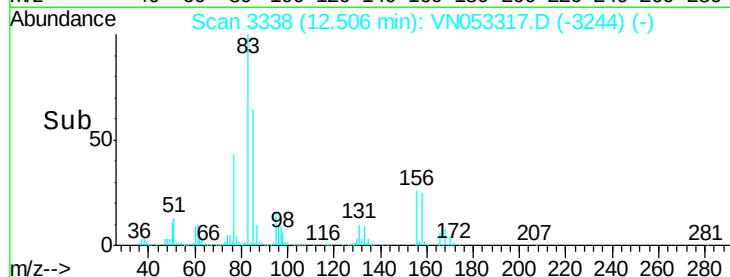
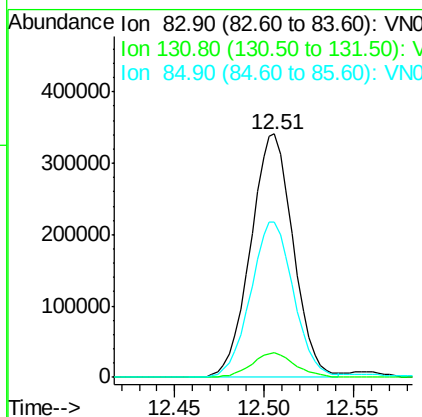
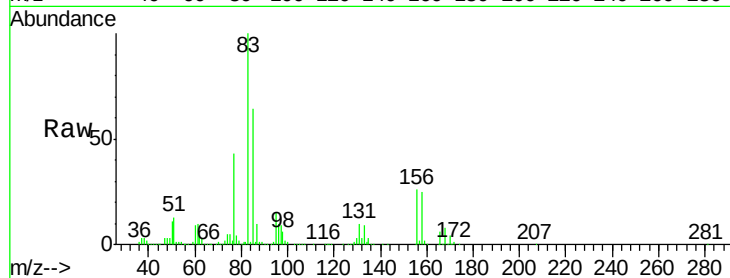
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	568162
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.9
85	64.3	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.958 ug/l m

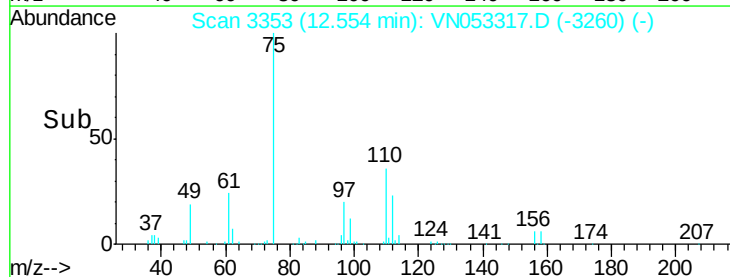
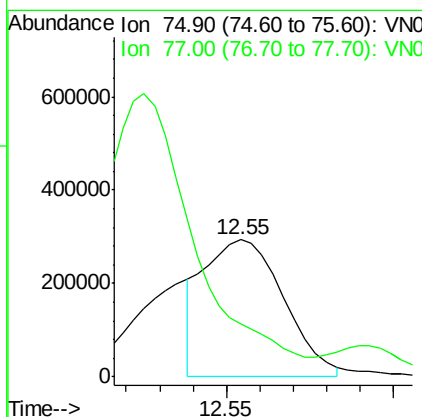
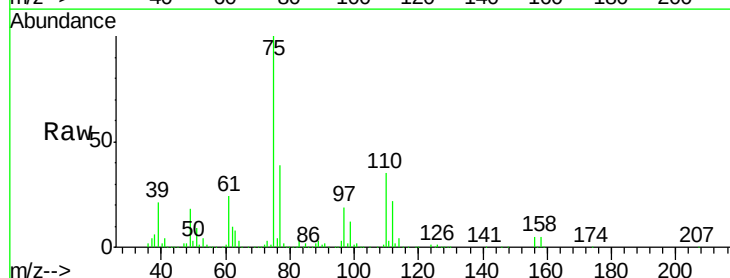
RT: 12.55 min Scan# 3353

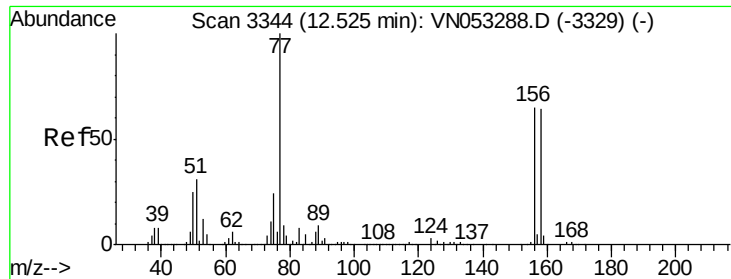
Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Tgt Ion:	75	Resp:	492522
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





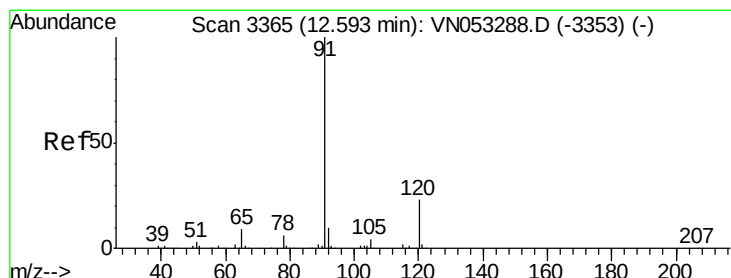
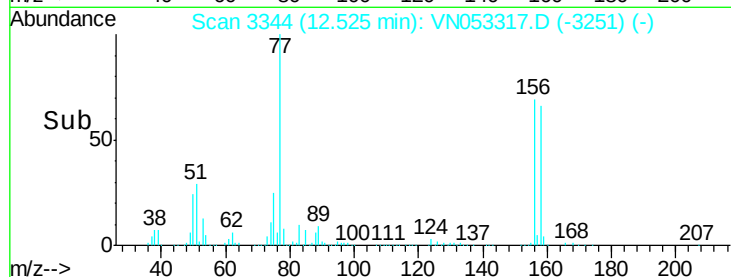
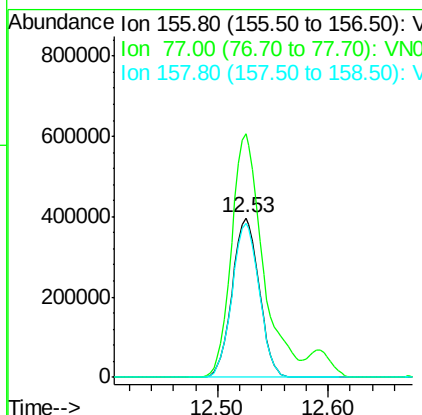
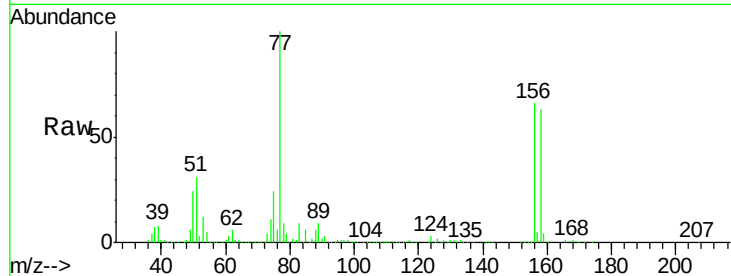
#77
Bromobenzene
Concen: 49.256 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	176.8	89.3	268.1
158	96.9	48.9	146.8

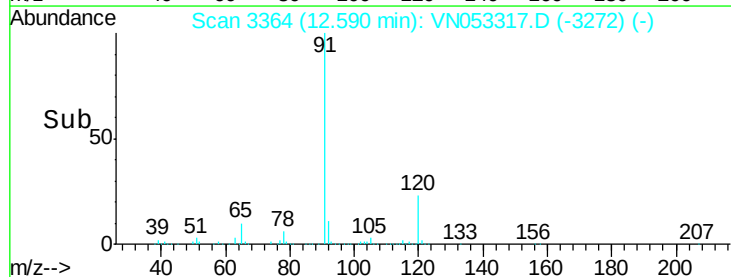
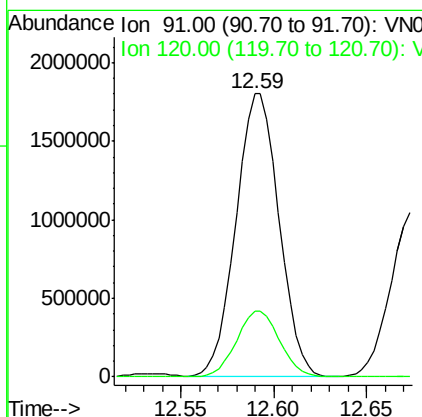
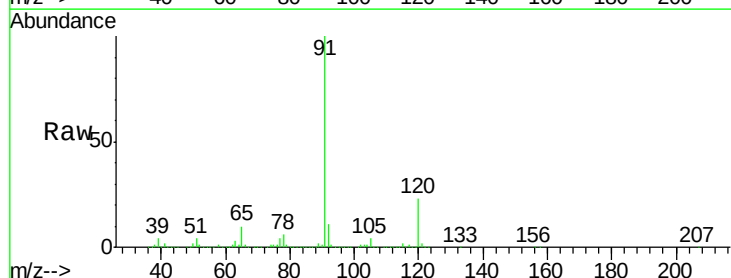
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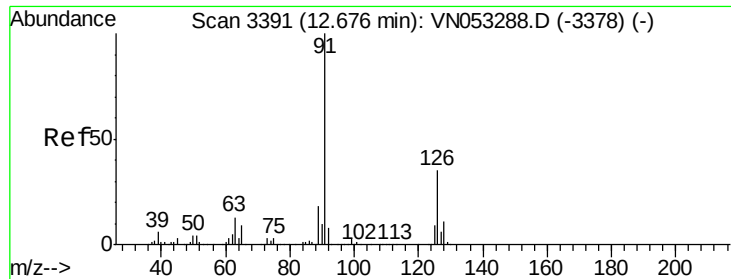
MMDadoda
1/9/2019 10:58:07 AM



#78
n-propylbenzene
Concen: 49.831 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN053317.D
Acq: 8 Jan 2019 17:39

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 48.804 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 1715321

Ion Ratio Lower Upper

91 100

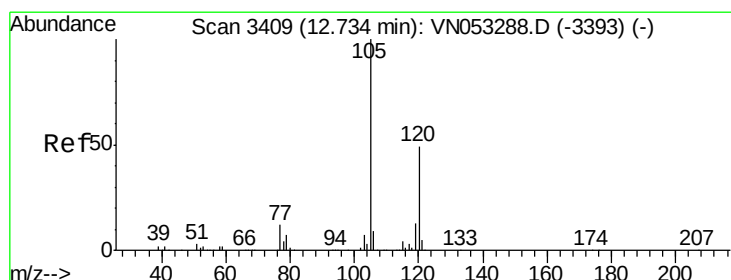
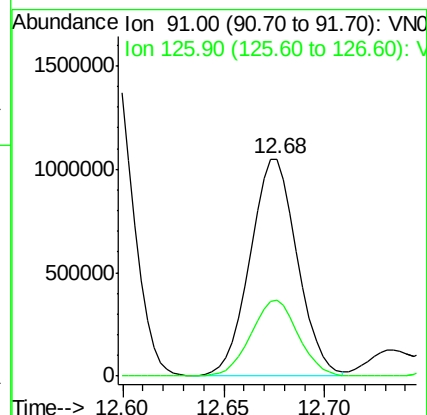
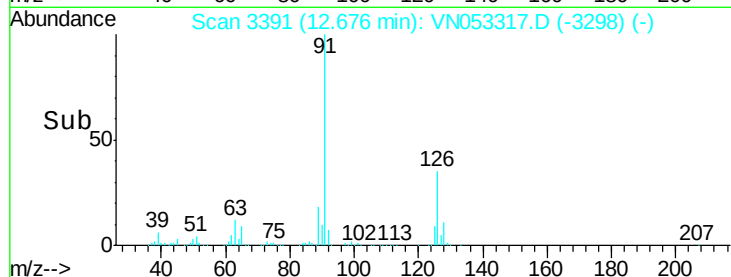
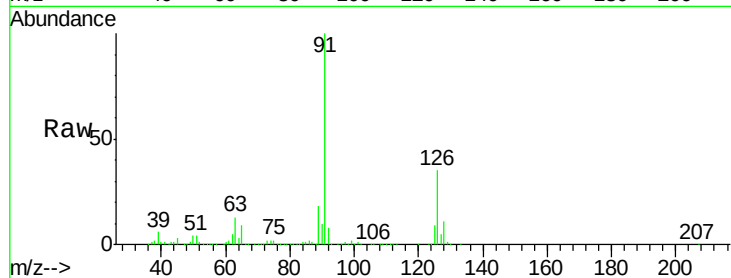
126 35.3 17.5 52.5

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#80

1,3,5-Trimethylbenzene

Concen: 49.008 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053317.D

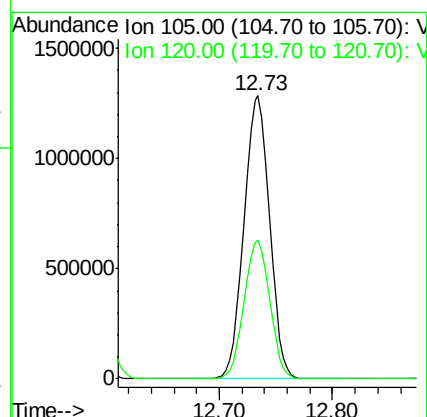
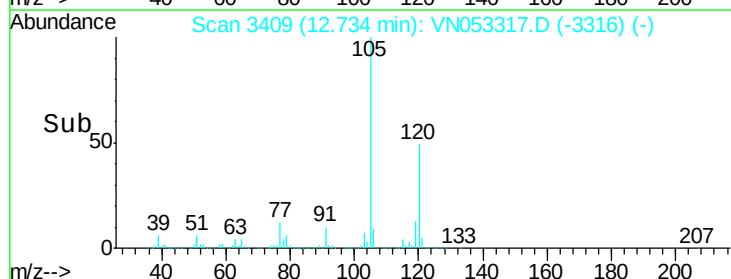
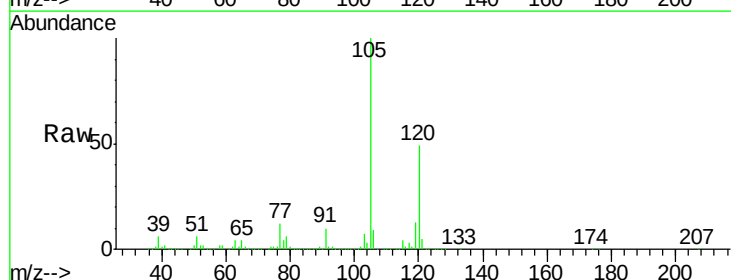
Acq: 8 Jan 2019 17:39

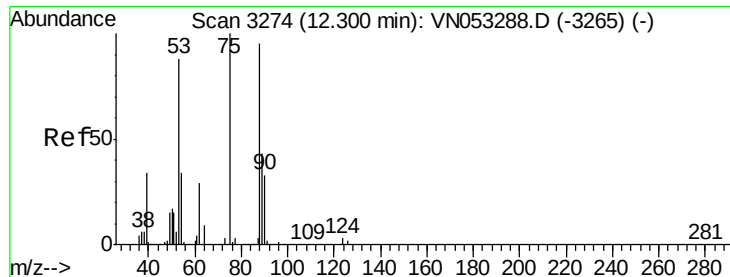
Tgt Ion: 105 Resp: 2027162

Ion Ratio Lower Upper

105 100

120 49.2 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 51.610 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 75 Resp: 176468

Ion Ratio Lower Upper

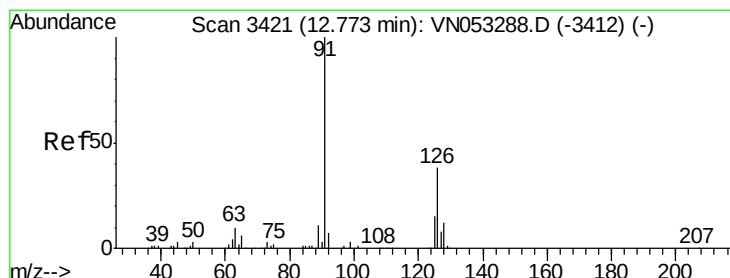
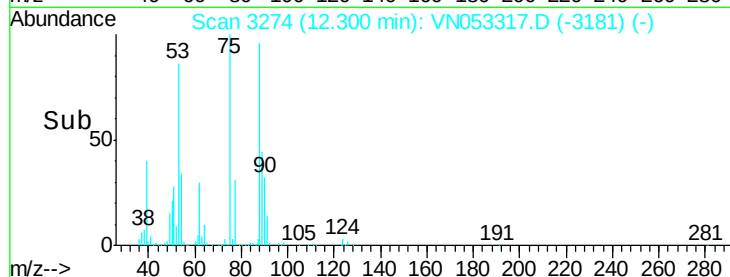
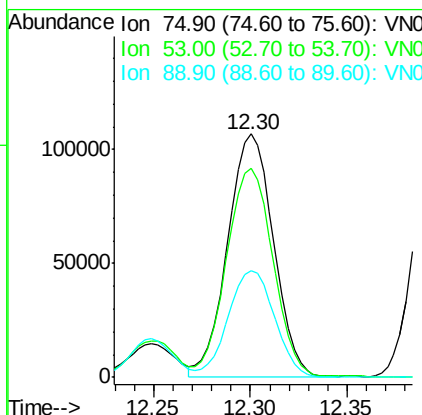
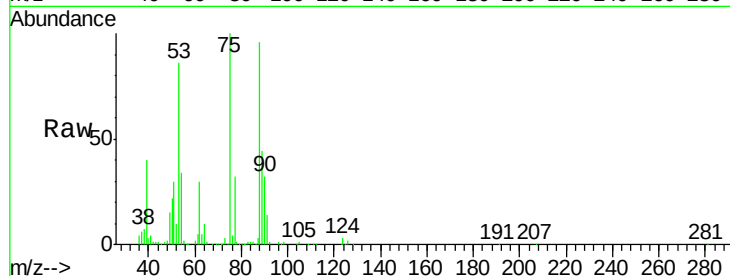
75 100

53 87.5 70.5 105.7

89 44.5 35.4 53.0

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#82

4-Chlorotoluene

Concen: 49.723 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053317.D

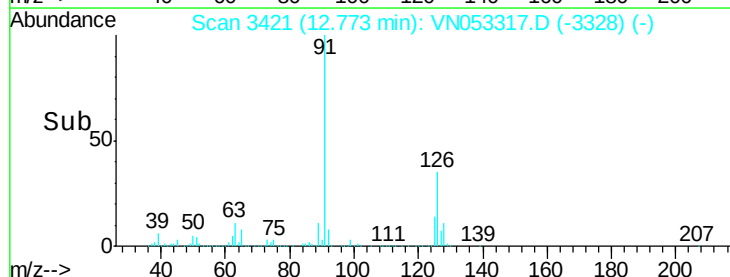
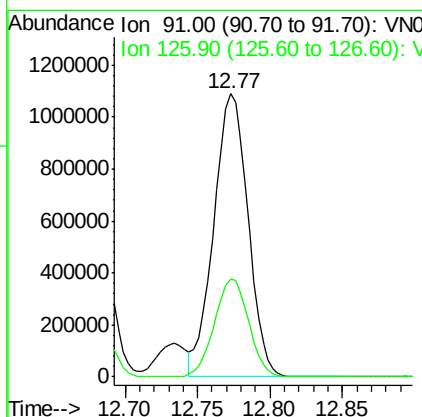
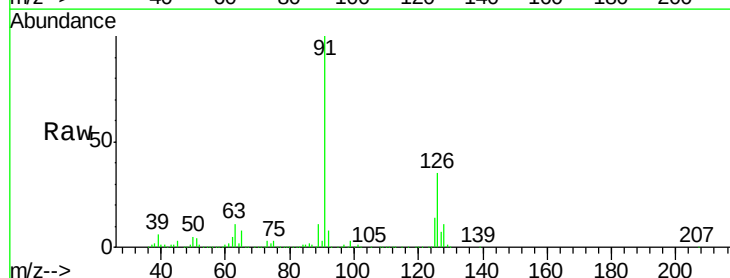
Acq: 8 Jan 2019 17:39

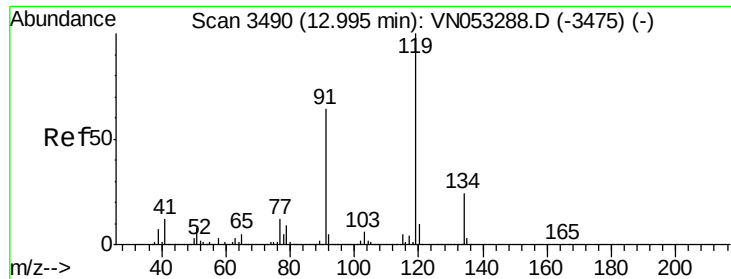
Tgt Ion: 91 Resp: 1792025

Ion Ratio Lower Upper

91 100

126 34.6 17.4 52.2





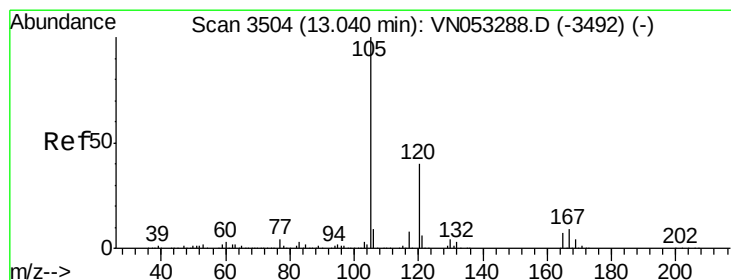
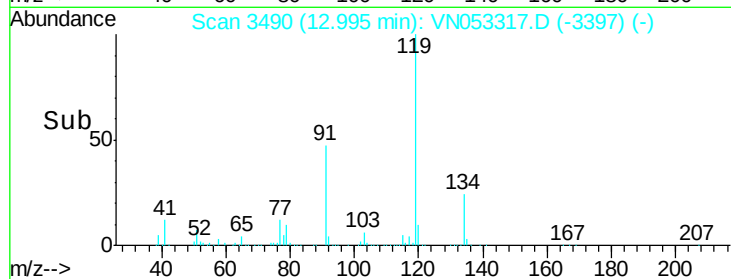
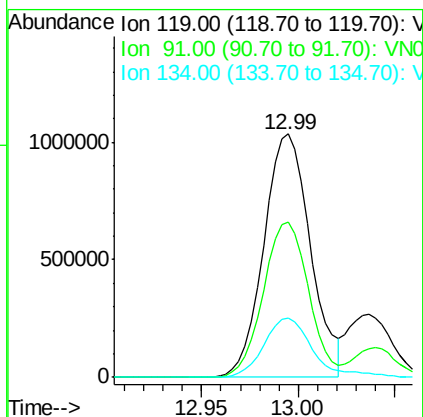
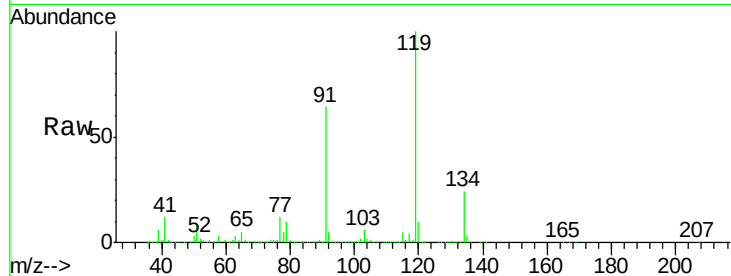
#83
 tert-Butylbenzene
 Concen: 47.828 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053317.D
 Acq: 8 Jan 2019 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 1735765
 Ion Ratio Lower Upper
 119 100
 91 62.0 31.6 95.0
 134 25.6 12.9 38.6

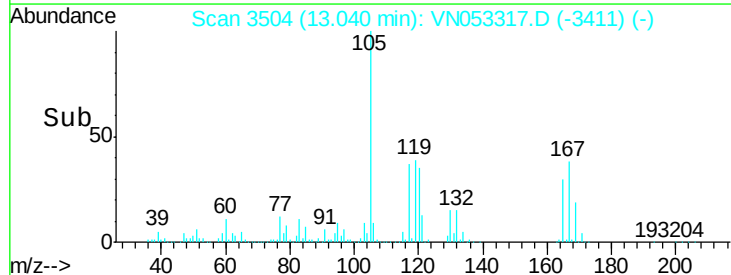
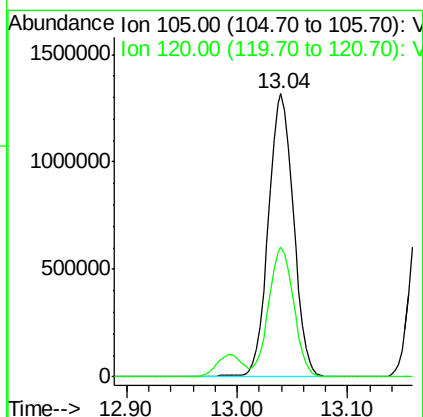
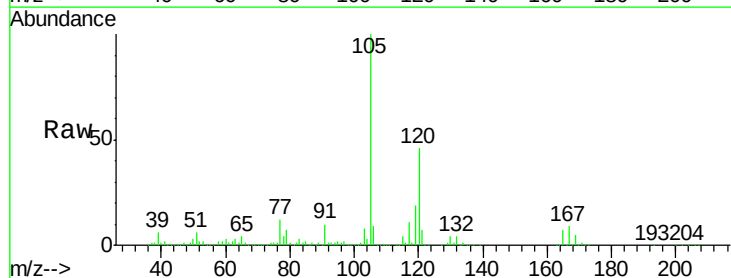
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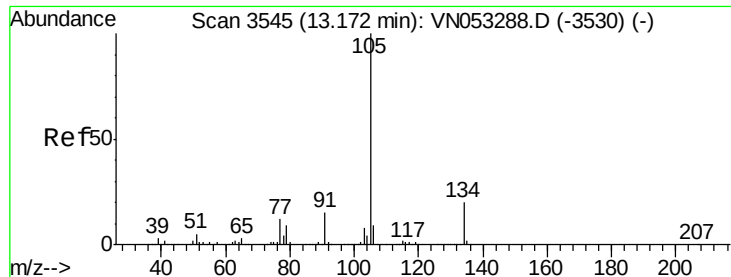
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.360 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053317.D
 Acq: 8 Jan 2019 17:39

Tgt Ion:105 Resp: 2080037
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.0 69.0





#85

sec-Butylbenzene

Concen: 48.590 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2325591

Ion Ratio Lower Upper

105 100

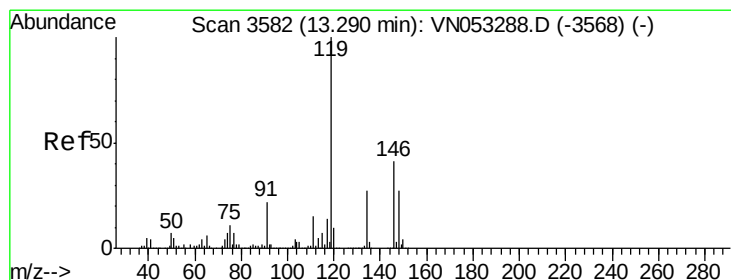
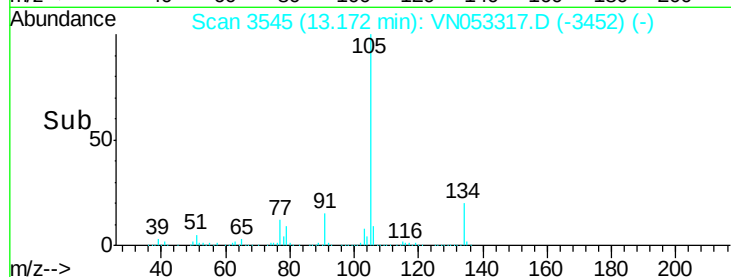
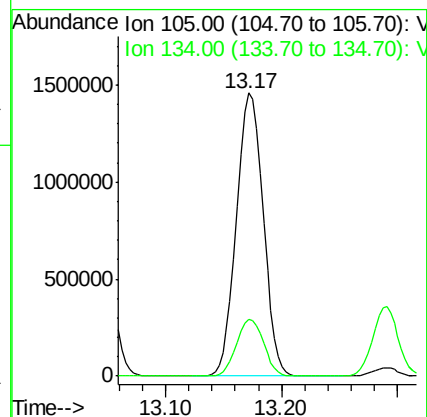
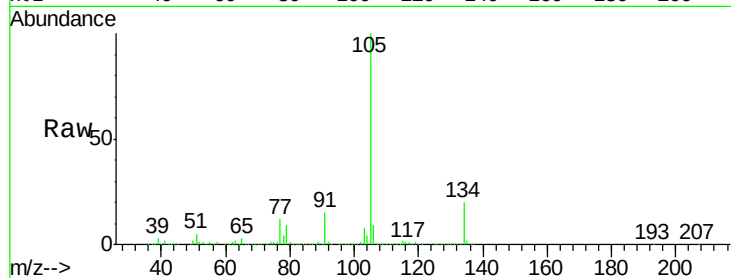
134 20.3 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 49.421 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

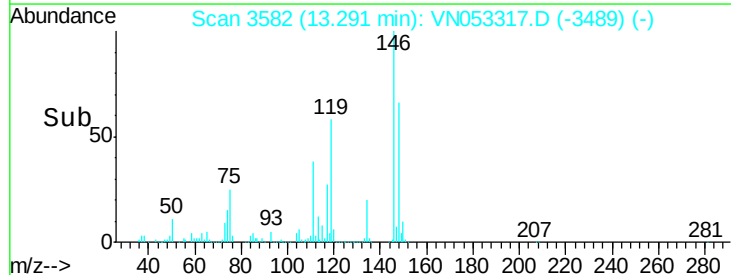
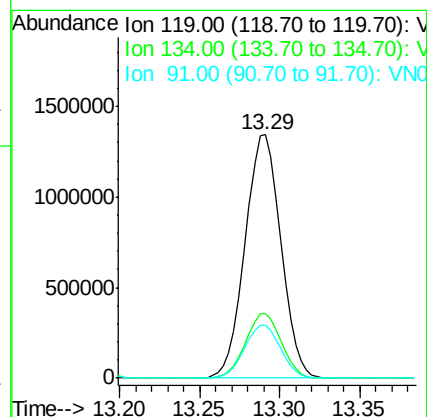
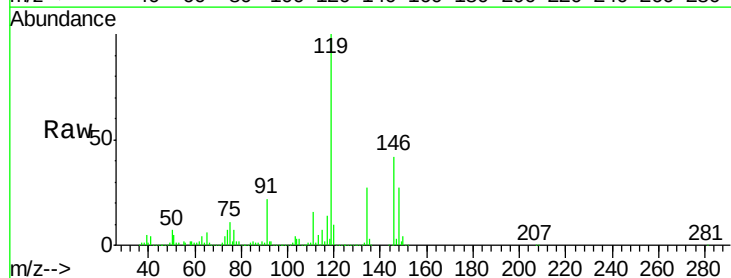
Tgt Ion:119 Resp: 2047973

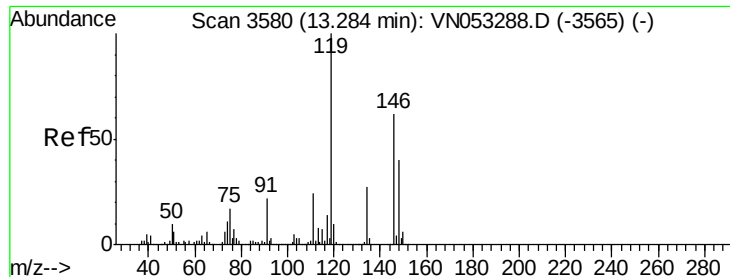
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 21.9 11.1 33.1





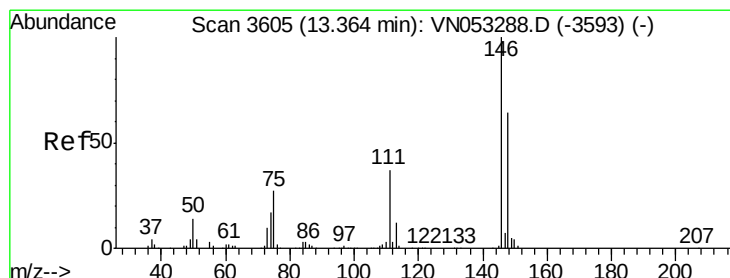
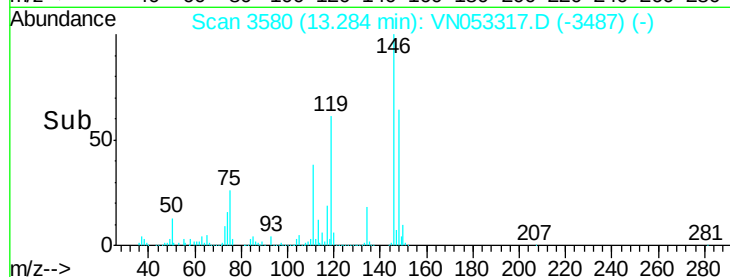
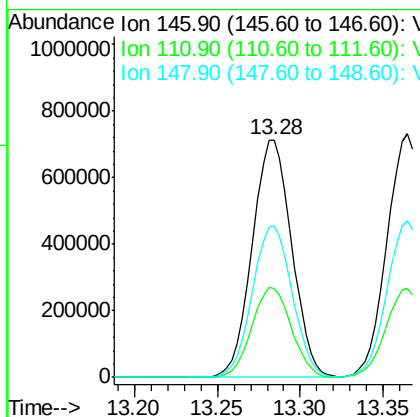
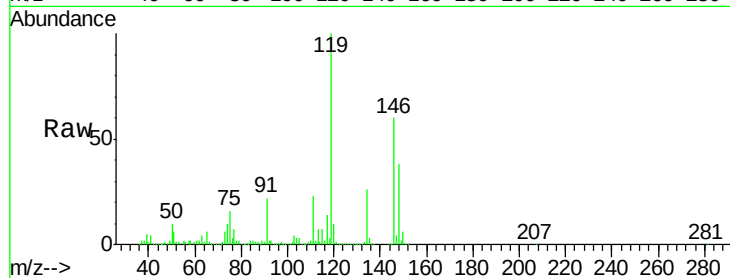
#87
 1,3-Dichlorobenzene
 Concen: 49.127 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053317.D
 Acq: 8 Jan 2019 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.5
148	64.4	32.0	96.2

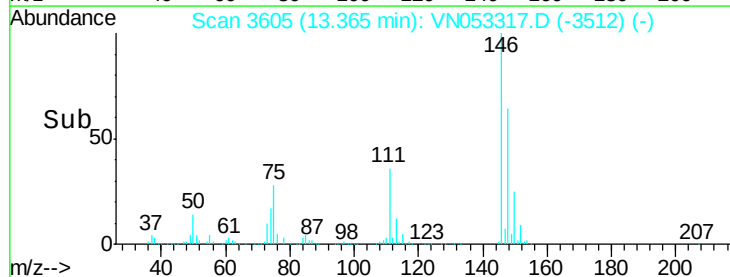
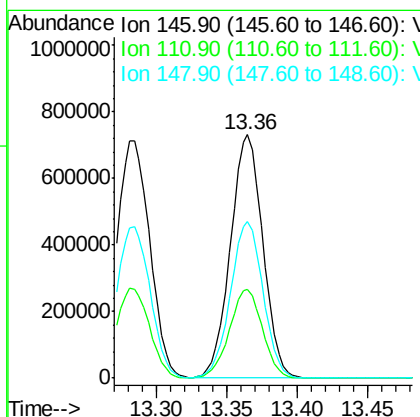
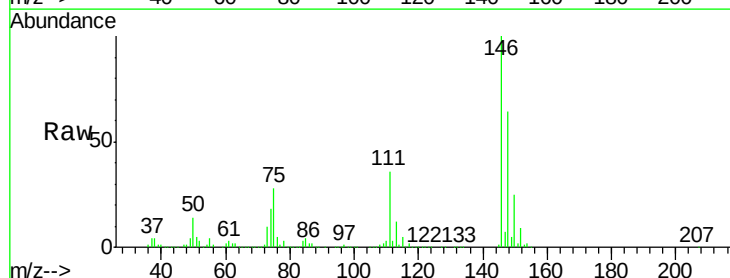
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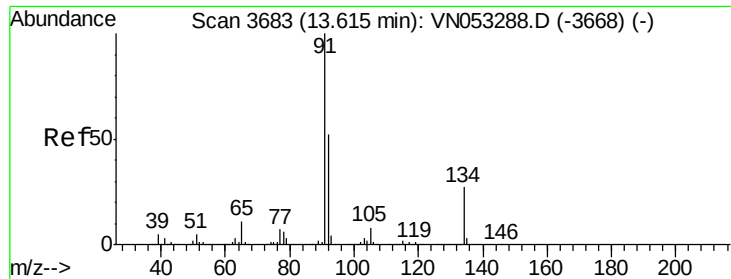
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#88
 1,4-Dichlorobenzene
 Concen: 49.143 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053317.D
 Acq: 8 Jan 2019 17:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.8
148	64.6	32.0	96.0





#89

n-Butylbenzene

Concen: 50.292 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1747288

Ion Ratio Lower Upper

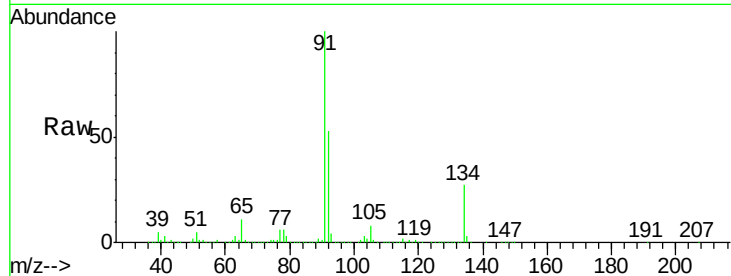
91 100

92 52.6 26.3 78.8

134 27.1 13.5 40.5

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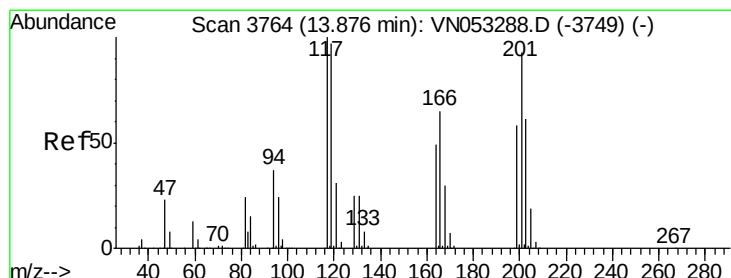
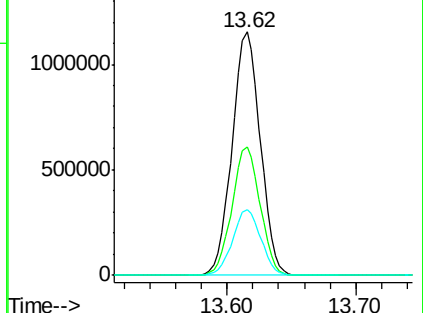
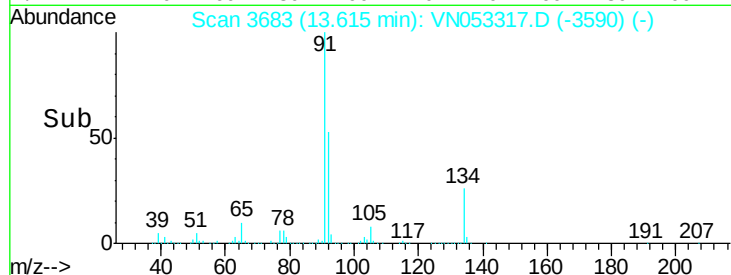
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Abundance Ion 91.00 (90.70 to 91.70): VN053317.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053317.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053317.D (-3590) (-)



#90

Hexachloroethane

Concen: 47.272 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053317.D

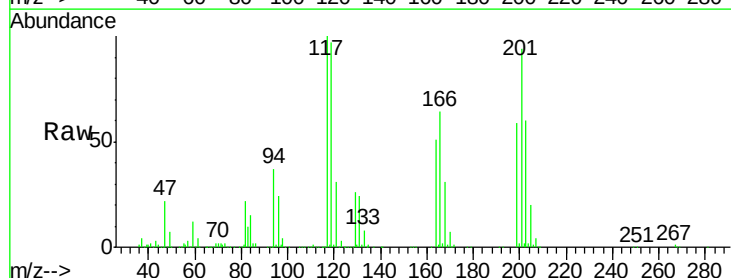
Acq: 8 Jan 2019 17:39

Tgt Ion: 117 Resp: 313974

Ion Ratio Lower Upper

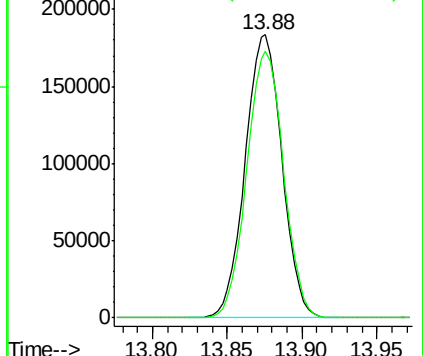
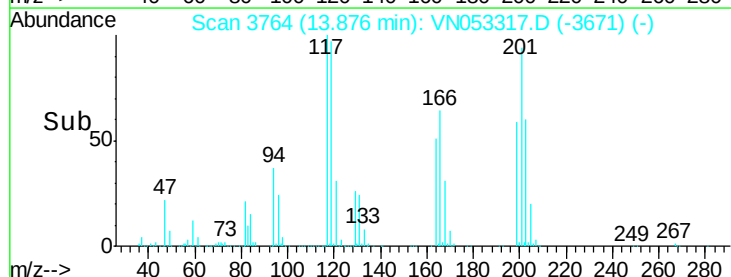
117 100

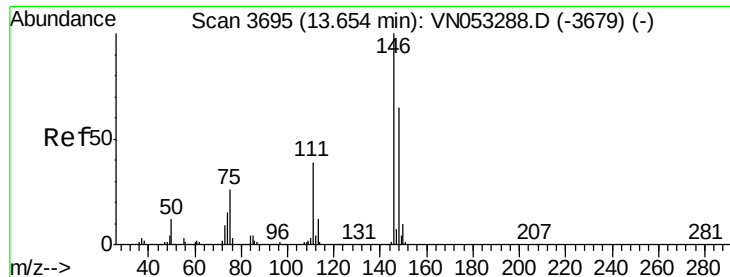
201 94.2 46.1 138.3



Abundance Ion 116.80 (116.50 to 117.50): VN053317.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053317.D (-3671) (-)





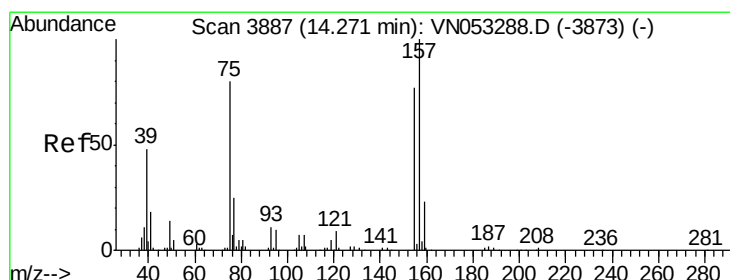
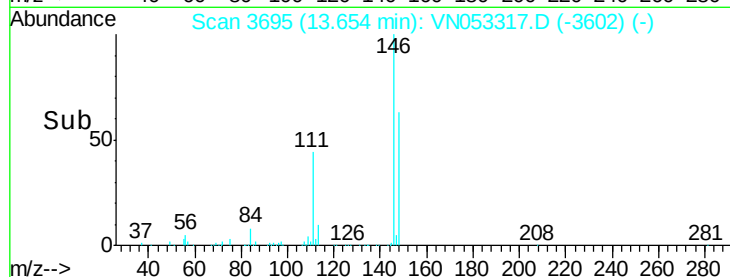
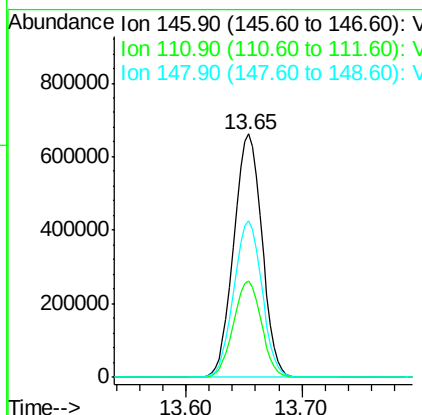
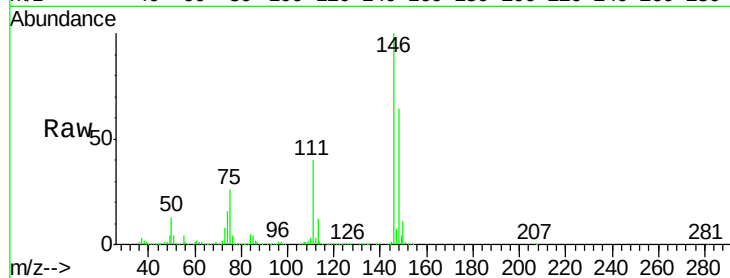
#91
 1,2-Dichlorobenzene
 Concen: 49.145 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053317.D
 Acq: 8 Jan 2019 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.4	58.2
148	64.1	32.2	96.6

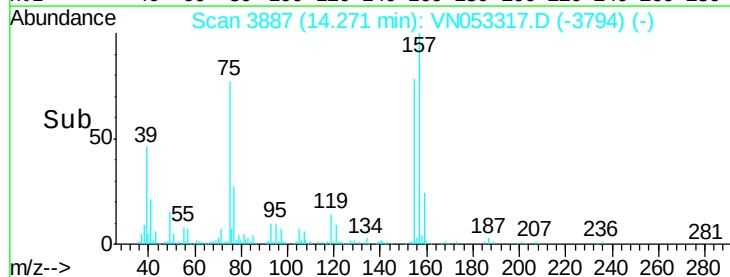
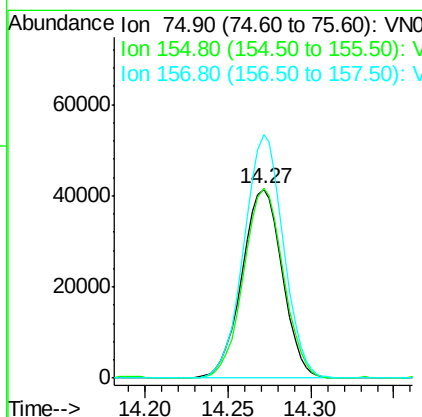
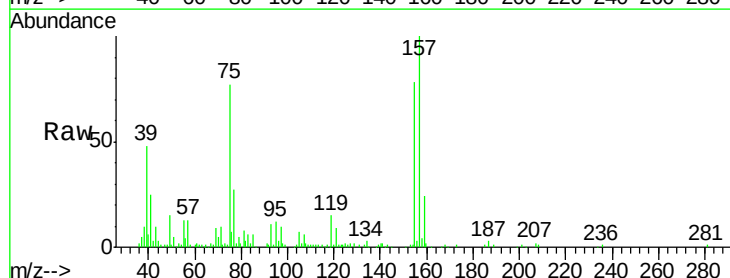
Manual Integrations
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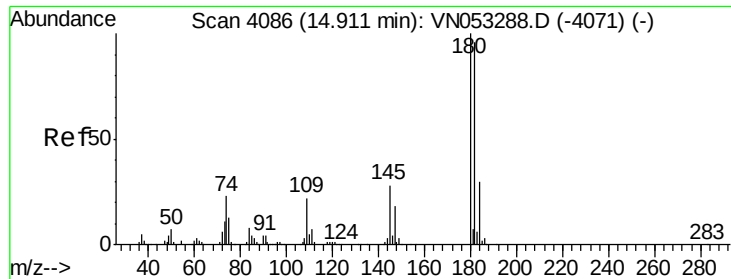
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.032 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053317.D
 Acq: 8 Jan 2019 17:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.9	48.1	144.3
157	125.6	61.5	184.4





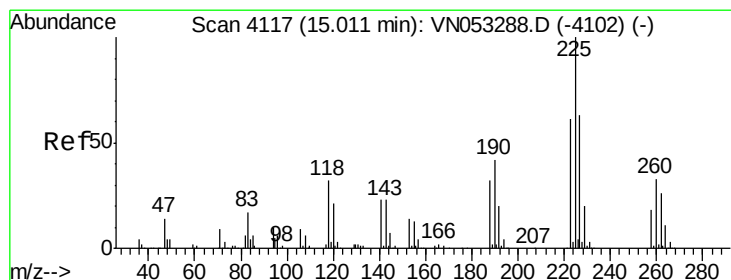
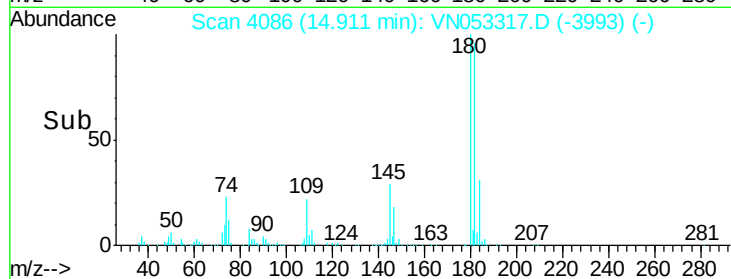
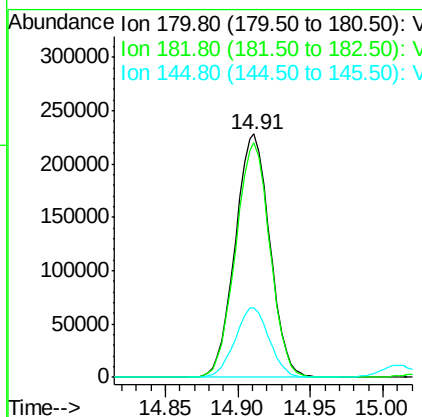
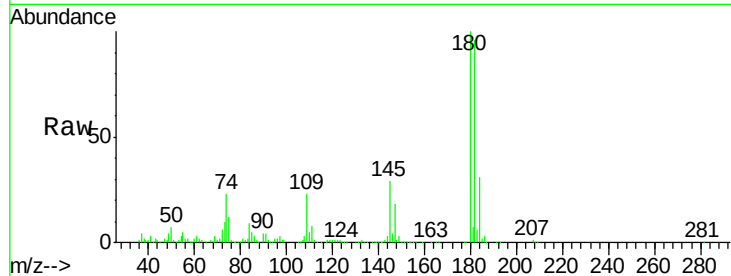
#93
 1,2,4-Trichlorobenzene
 Concen: 53.269 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053317.D
 Acq: 8 Jan 2019 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.8	143.4	
145	28.3	14.4	43.0	

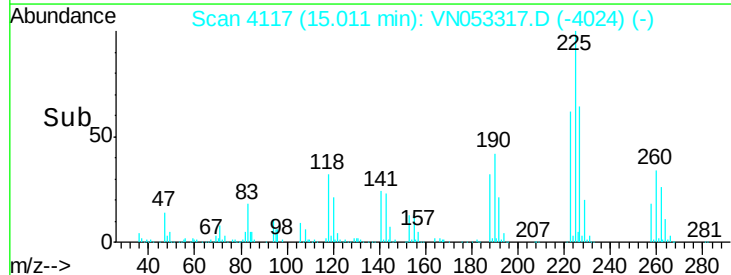
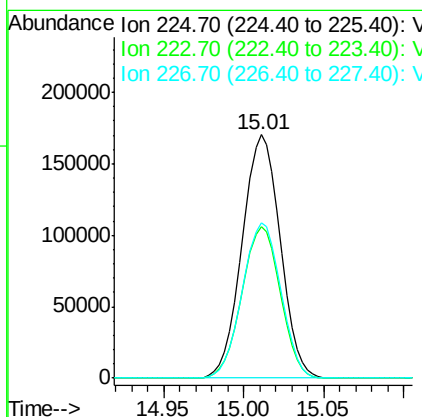
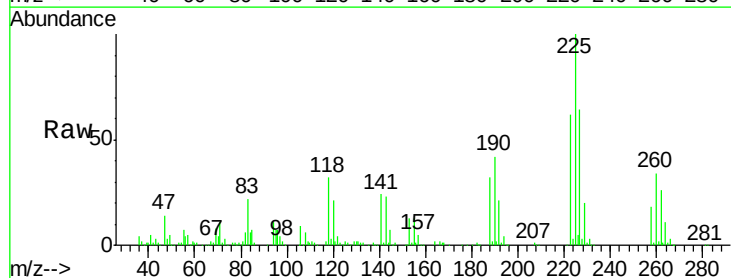
Manual Integrations
 APPROVED

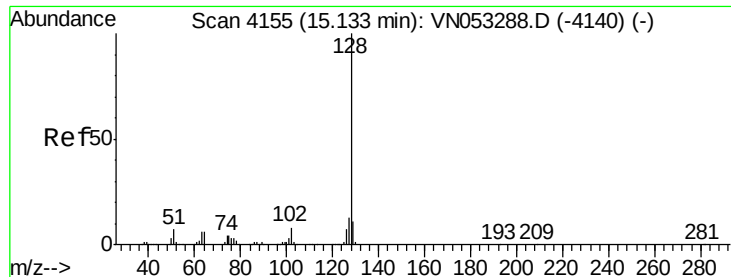
MMDadoda
 1/9/2019 10:58:07 AM



#94
 Hexachlorobutadiene
 Concen: 47.444 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053317.D
 Acq: 8 Jan 2019 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	30.9	92.8	
227	64.8	31.4	94.2	





#95

Naphthalene

Concen: 55.574 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Instrument :

MSVOA_N

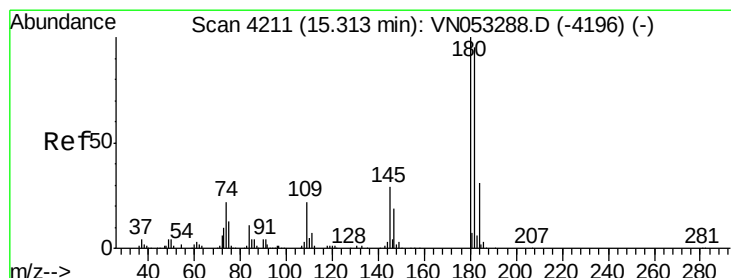
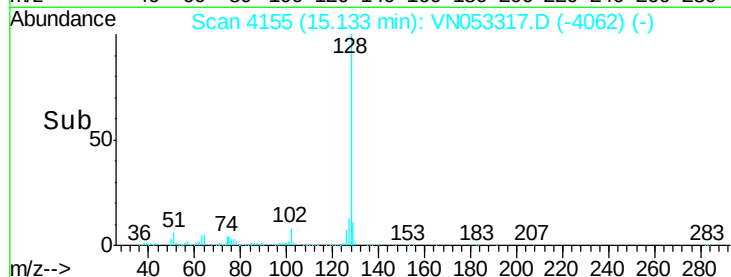
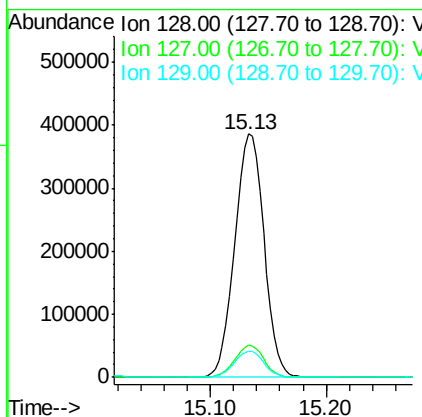
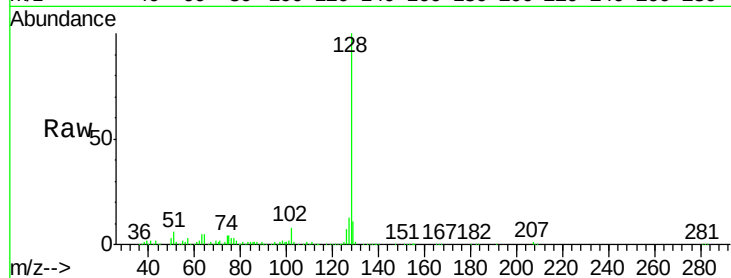
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	673925
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/9/2019 10:58:07 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.595 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053317.D

Acq: 8 Jan 2019 17:39

Tgt Ion:	180	Resp:	249431
Ion Ratio	Lower	Upper	
180	100		
182	94.5	48.4	145.0
145	30.0	14.9	44.5

