

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010719\
 Data File : VN053303.D
 Acq On : 7 Jan 2019 16:37
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 9:25:21 AM

Quant Time: Jan 08 03:04:49 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	927624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1383497	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1270078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	627931	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	449223	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
35) Dibromofluoromethane	7.59	113	398687	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
50) Toluene-d8	10.09	98	1679873	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	604194	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	423728	51.814	ug/l	99
3) Chloromethane	2.06	50	551602	48.300	ug/l	98
4) Vinyl Chloride	2.19	62	539177	49.464	ug/l	99
5) Bromomethane	2.57	94	360541	50.618	ug/l	99
6) Chloroethane	2.71	64	319322	48.534	ug/l	99
7) Trichlorofluoromethane	3.02	101	698950	49.505	ug/l	99
8) Diethyl Ether	3.41	74	263767	47.664	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	451757	50.486	ug/l	100
10) Methyl Iodide	3.96	142	675062	53.820	ug/l	99
11) Tert butyl alcohol	4.77	59	144222	248.457	ug/l	99
12) 1,1-Dichloroethene	3.74	96	425231	49.129	ug/l	98
13) Acrolein	3.61	56	159864	219.039	ug/l	97
14) Allyl chloride	4.33	41	671629	48.145	ug/l	100
15) Acrylonitrile	4.98	53	780723	225.306	ug/l	100
16) Acetone	3.81	43	585266	251.999	ug/l	99
17) Carbon Disulfide	4.06	76	1319530	49.449	ug/l	100
18) Methyl Acetate	4.32	43	363553	41.623	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1152420	47.440	ug/l	100
20) Methylene Chloride	4.55	84	487456	47.028	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	463246	49.846	ug/l	99
22) Diisopropyl ether	5.95	45	1468953	48.879	ug/l	96
23) Vinyl Acetate	5.89	43	4662488	246.567	ug/l	100
24) 1,1-Dichloroethane	5.85	63	851316	49.115	ug/l	100
25) 2-Butanone	6.83	43	879275	222.077	ug/l	99
26) 2,2-Dichloropropane	6.82	77	634825	50.104	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	525009	49.470	ug/l	100
28) Bromochloromethane	7.19	49	364798	49.389	ug/l	100
29) Tetrahydrofuran	7.21	42	577331	220.963	ug/l	98
30) Chloroform	7.37	83	828979	48.591	ug/l	99
31) Cyclohexane	7.65	56	815056	49.482	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	701780	49.364	ug/l	99
36) 1,1-Dichloropropene	7.79	75	665868	51.554	ug/l	99
37) Ethyl Acetate	6.92	43	378370	44.975	ug/l	98
38) Carbon Tetrachloride	7.77	117	615363	51.618	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	803264	53.683	ug/l	99
40) Benzene	8.04	78	1971401	49.968	ug/l	99
41) Methacrylonitrile	7.17	41	210835	40.366	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	570755	48.771	ug/l	100
43) Isopropyl Acetate	8.16	43	691945	41.809	ug/l	98
44) Trichloroethene	8.83	130	546353	50.433	ug/l	100
45) 1,2-Dichloropropane	9.12	63	518704	50.128	ug/l	100
46) Dibromomethane	9.21	93	295392	48.960	ug/l	99
47) Bromodichloromethane	9.40	83	632810	50.330	ug/l	99
48) Methyl methacrylate	9.20	41	353177	46.971	ug/l	100
49) 1,4-Dioxane	9.20	88	93228	1163.762	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1892096	227.339	ug/l	100
52) Toluene	10.15	92	1231223	50.868	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	663465	51.583	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	776899	52.271	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	422103	47.428	ug/l	99
56) Ethyl methacrylate	10.43	69	565513	48.897	ug/l	99
57) 1,3-Dichloropropane	10.71	76	735720	49.433	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1512769	241.945	ug/l	100
59) 2-Hexanone	10.75	43	1315695	230.724	ug/l	99
60) Dibromochloromethane	10.90	129	485397	50.566	ug/l	99
61) 1,2-Dibromoethane	11.00	107	429345	48.886	ug/l	98
64) Tetrachloroethene	10.63	164	593260	49.629	ug/l	99
65) Chlorobenzene	11.43	112	1367289	49.556	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	472949	48.974	ug/l	99
67) Ethyl Benzene	11.51	91	2402603	51.247	ug/l	100
68) m/p-Xylenes	11.62	106	1841346	104.448	ug/l	100
69) o-Xylene	11.95	106	890243	51.581	ug/l	99
70) Styrene	11.96	104	1482542	52.779	ug/l	99
71) Bromoform	12.13	173	338206	49.581	ug/l	100
73) Isopropylbenzene	12.25	105	2362532	50.534	ug/l	100
74) N-amyl acetate	12.07	43	656548	47.030	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	476675	44.324	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	452410m	49.397	ug/l	
77) Bromobenzene	12.53	156	613643	49.179	ug/l	99
78) n-propylbenzene	12.59	91	2760105	52.193	ug/l	100
79) 2-Chlorotoluene	12.67	91	1602493	50.080	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1952026	51.836	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	157187	50.495	ug/l	99
82) 4-Chlorotoluene	12.77	91	1662167	50.658	ug/l	100
83) tert-Butylbenzene	12.99	119	1699869	51.449	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1981291	51.644	ug/l	100
85) sec-Butylbenzene	13.17	105	2281688	52.364	ug/l	100
86) p-Isopropyltoluene	13.29	119	1997049	52.935	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1098658	50.000	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1093785	50.180	ug/l	100
89) n-Butylbenzene	13.61	91	1689388	53.411	ug/l	100
90) Hexachloroethane	13.87	117	321880	53.231	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1018997	49.509	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61217	46.930	ug/l	96

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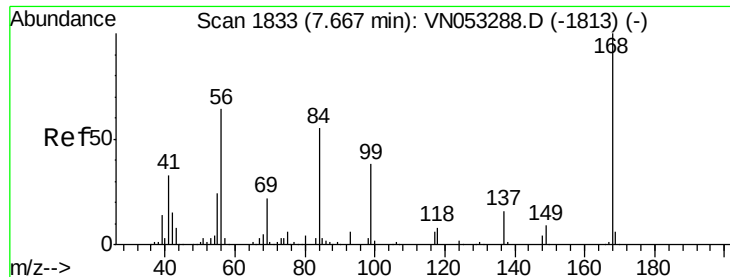
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	339742	52.497	ug/l	99
94) Hexachlorobutadiene	15.01	225	267768	50.585	ug/l	100
95) Naphthalene	15.13	128	544515	49.321	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	207768	49.036	ug/l	99

(#) = 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: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 927624

Ion Ratio Lower Upper

168 100

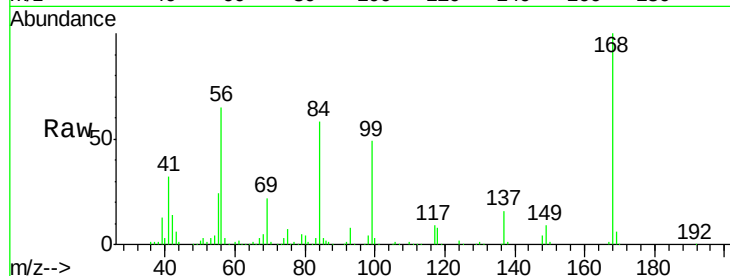
99 49.2 39.1 58.7

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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

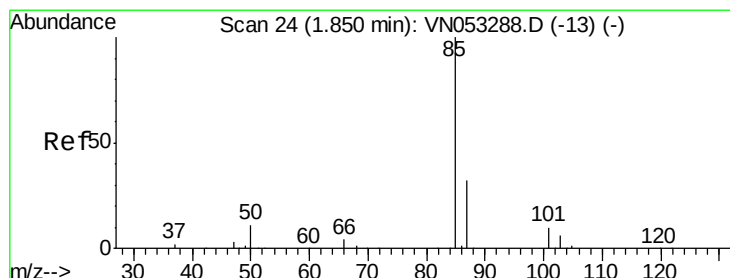
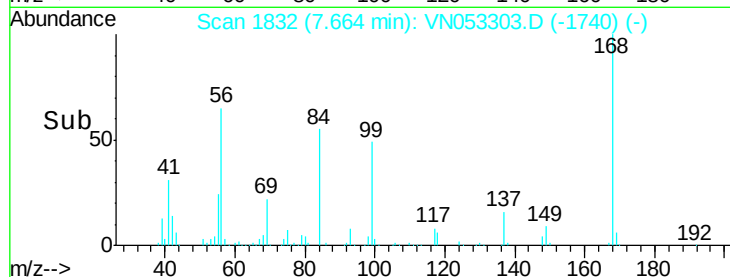
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.814 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053303.D

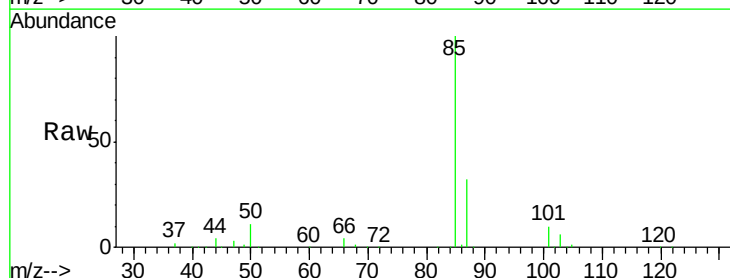
Acq: 7 Jan 2019 16:37

Tgt Ion: 85 Resp: 423728

Ion Ratio Lower Upper

85 100

87 32.5 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

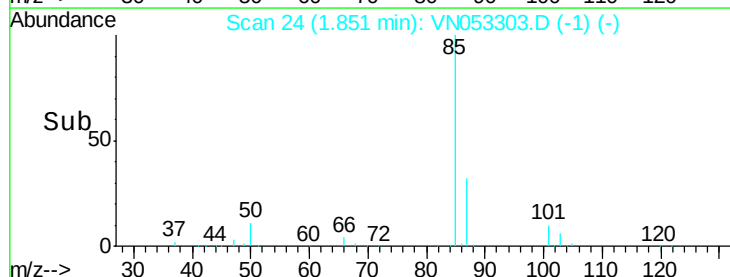
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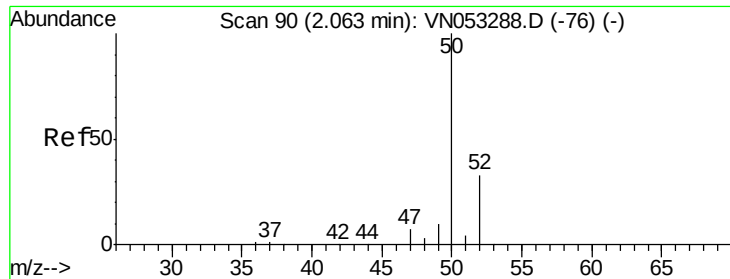
200000

100000

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Time-->





#3

Chloromethane

Concen: 48.300 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 551602

Ion Ratio Lower Upper

50 100

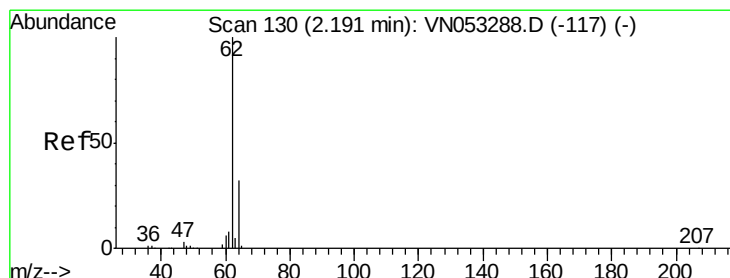
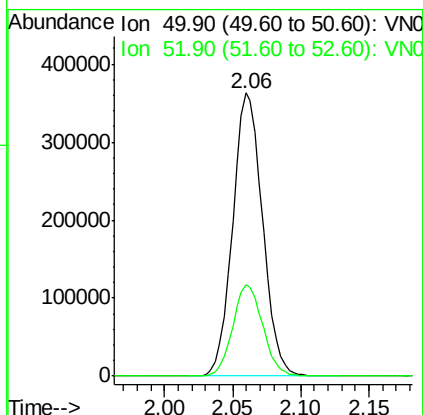
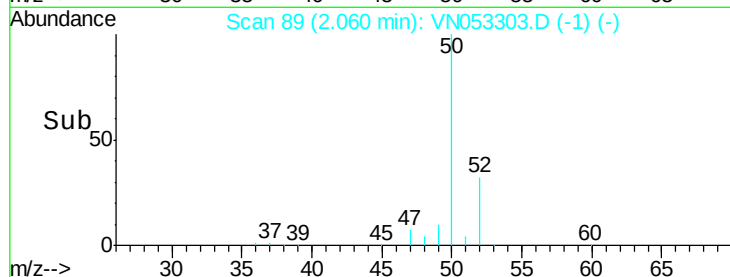
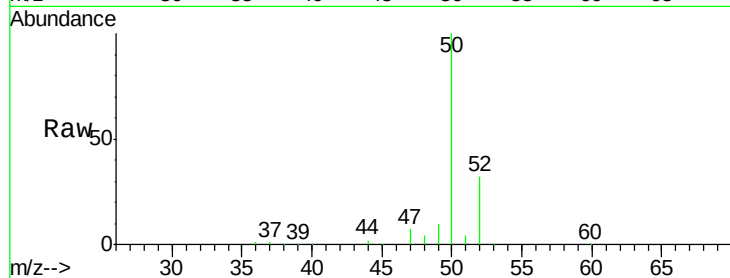
52 32.4 26.6 40.0

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#4

Vinyl Chloride

Concen: 49.464 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053303.D

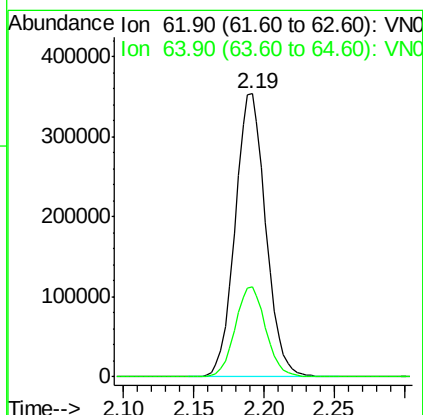
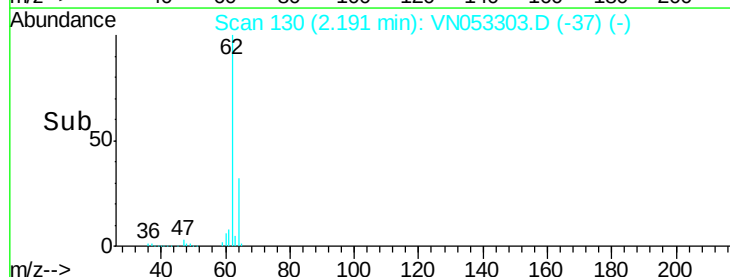
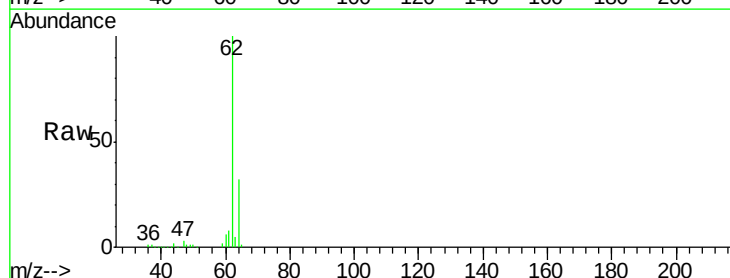
Acq: 7 Jan 2019 16:37

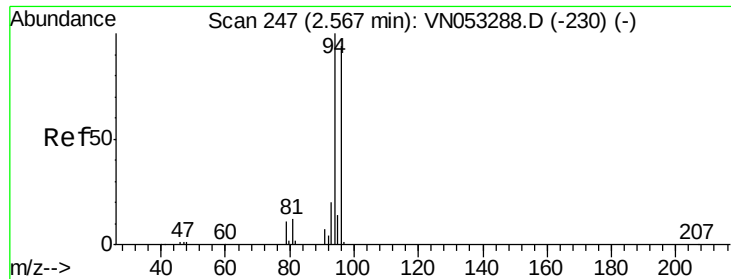
Tgt Ion: 62 Resp: 539177

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 50.618 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 360541

Ion Ratio Lower Upper

94 100

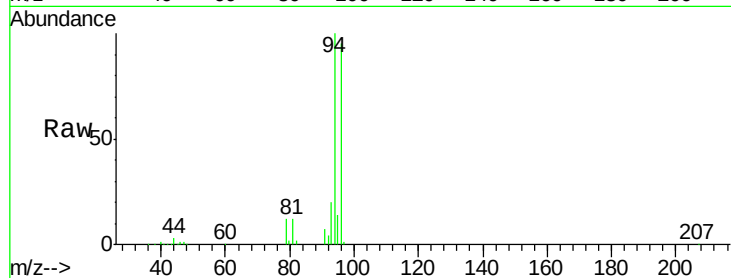
96 94.9 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

200000

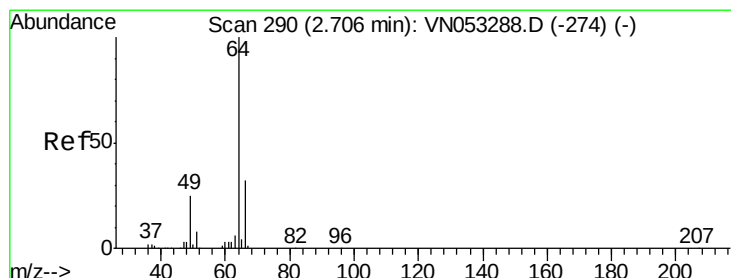
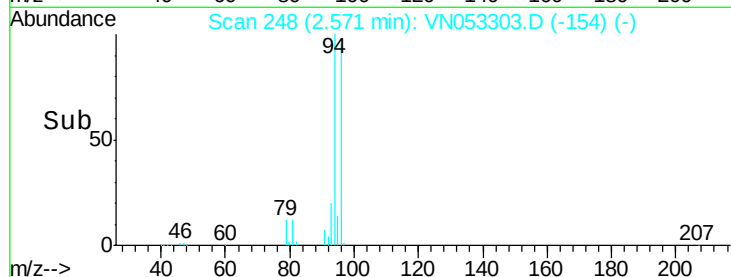
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 48.534 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053303.D

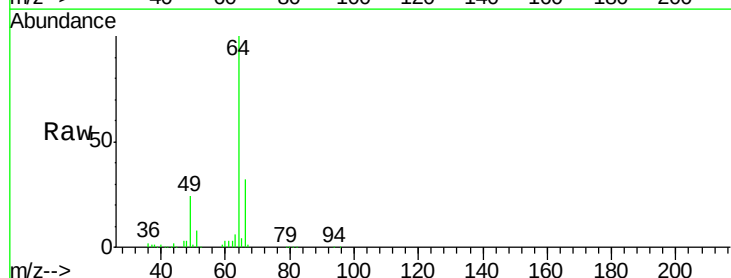
Acq: 7 Jan 2019 16:37

Tgt Ion: 64 Resp: 319322

Ion Ratio Lower Upper

64 100

66 32.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.71

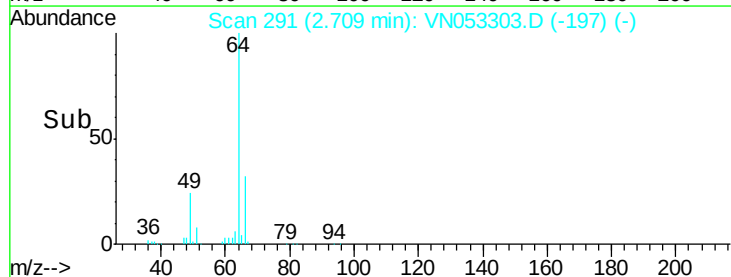
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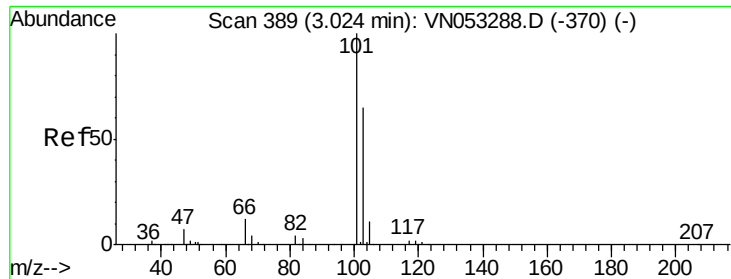
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50000

0

Time-->





#7

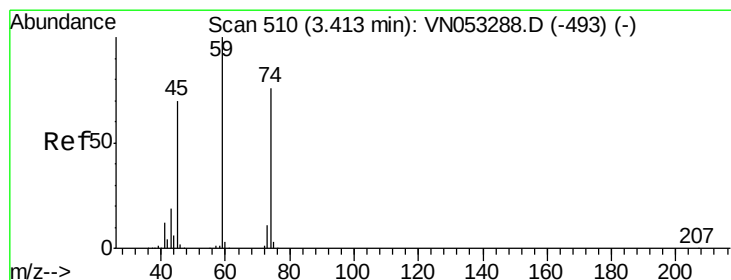
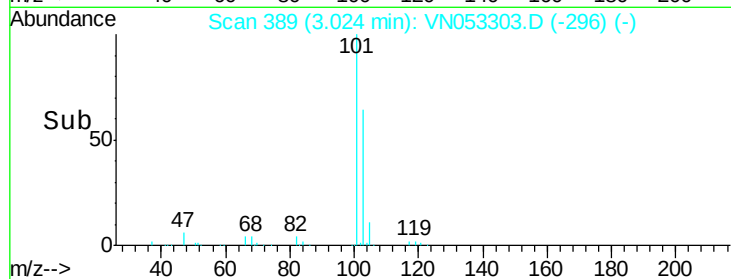
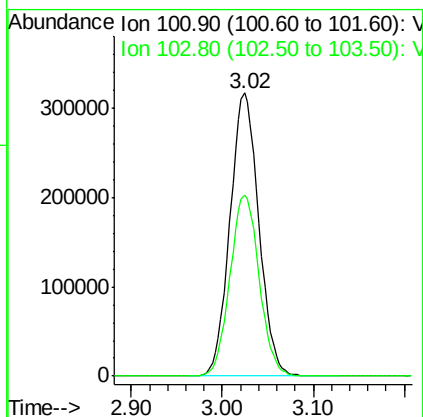
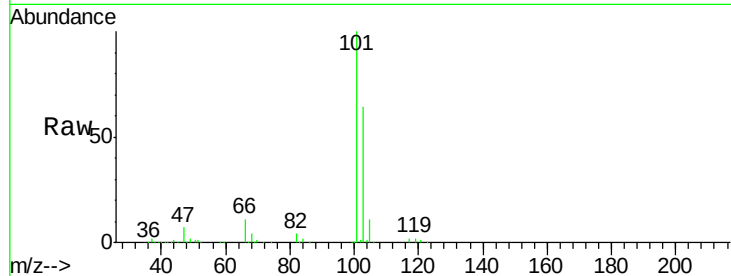
Trichlorofluoromethane
Concen: 49.505 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	698950		
103	64.1	52.1	78.1	

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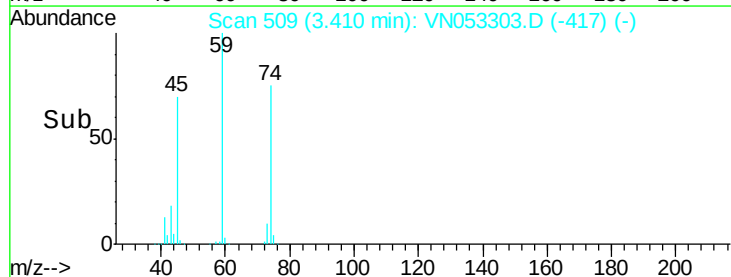
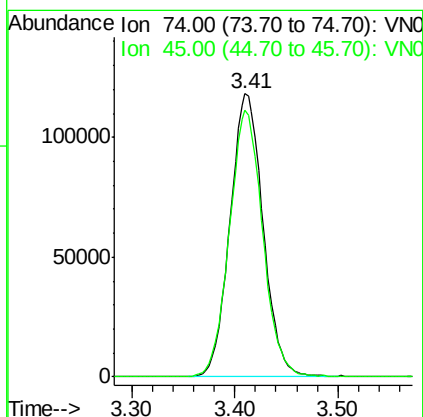
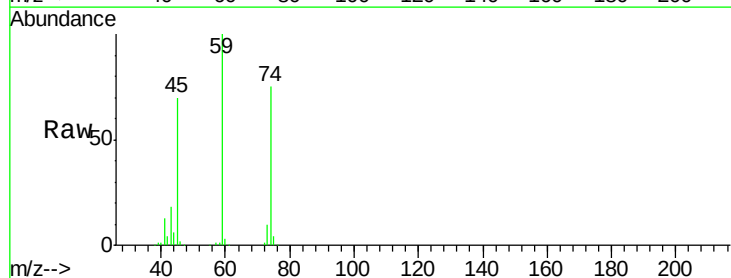
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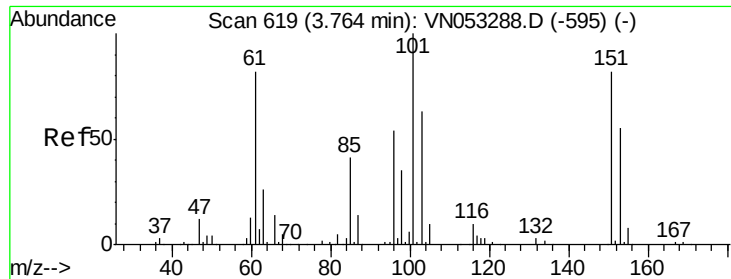


#8

Diethyl Ether
Concen: 47.664 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	263767		
45	95.1	48.3	144.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.486 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

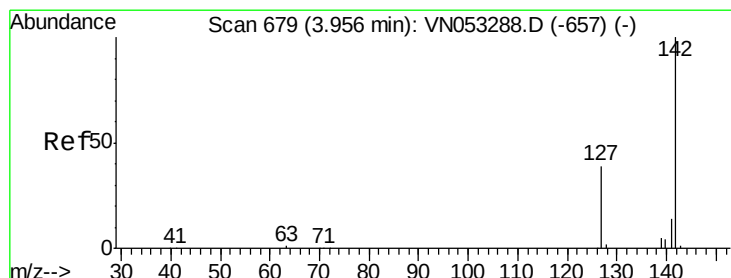
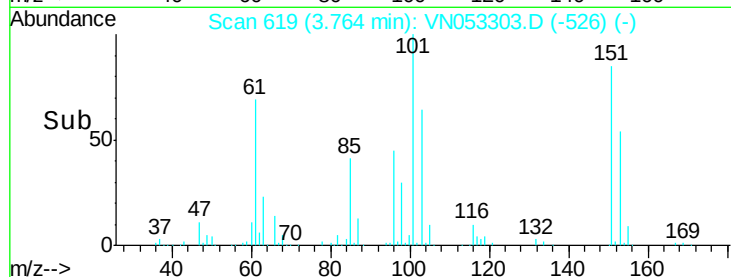
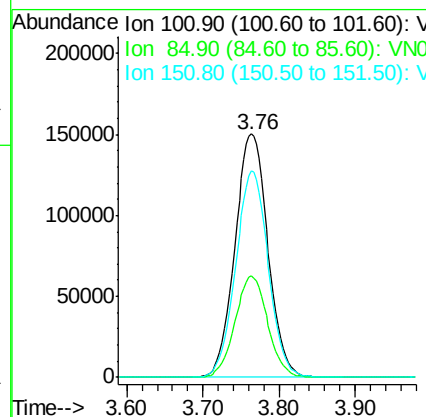
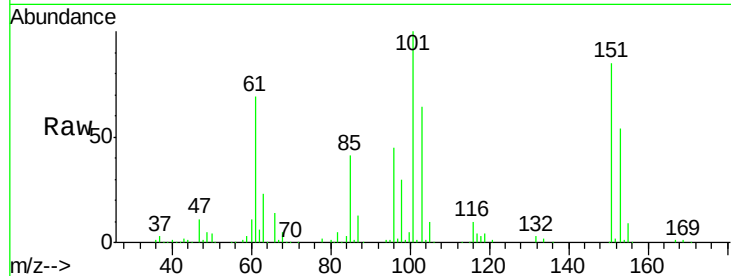
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	451757
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.3	49.9
151	83.9	67.0	100.4

Manual Integrations
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#10

Methyl Iodide

Concen: 53.820 ug/l

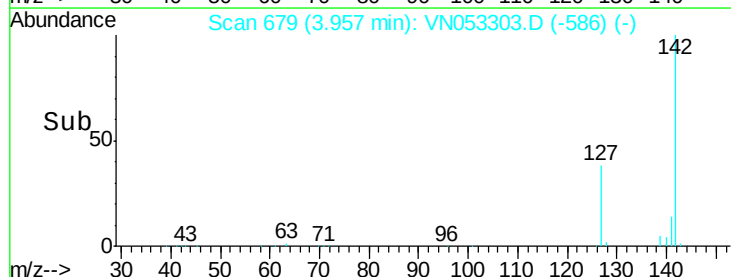
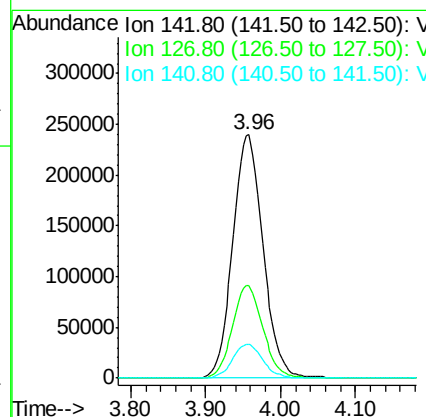
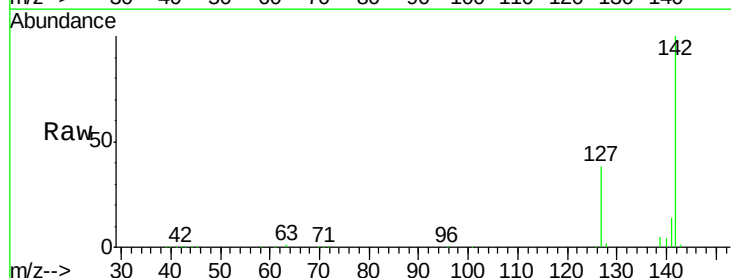
RT: 3.96 min Scan# 679

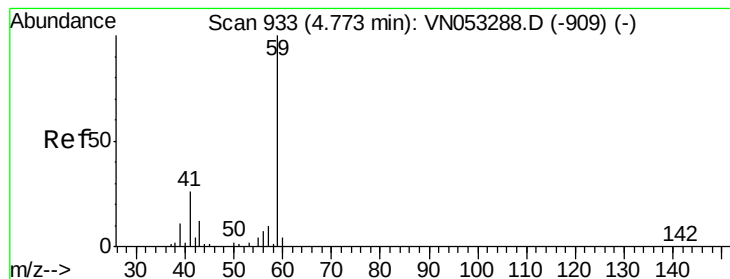
Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Tgt Ion:	142	Resp:	675062
Ion Ratio	Lower	Upper	
142	100		
127	38.2	30.9	46.3
141	13.8	11.2	16.8





#11

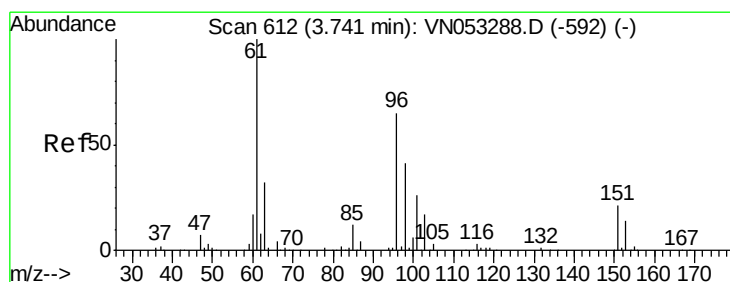
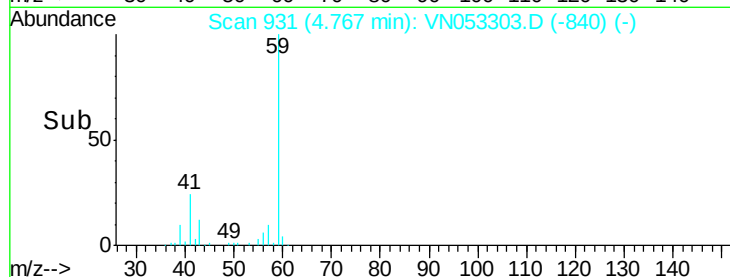
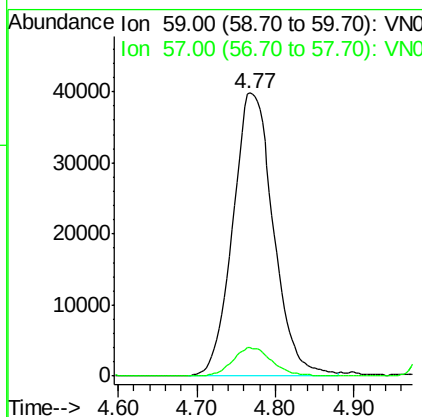
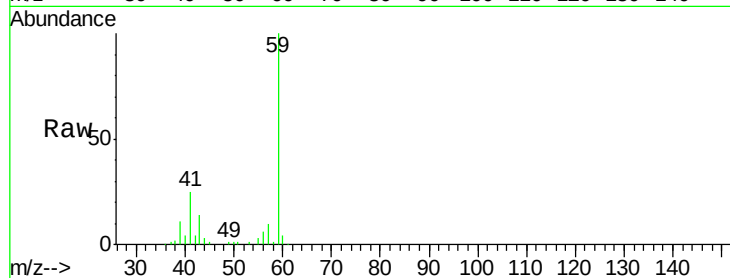
Tert butyl alcohol
 Concen: 248.457 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. -0.01 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.0	12.0

Manual Integrations
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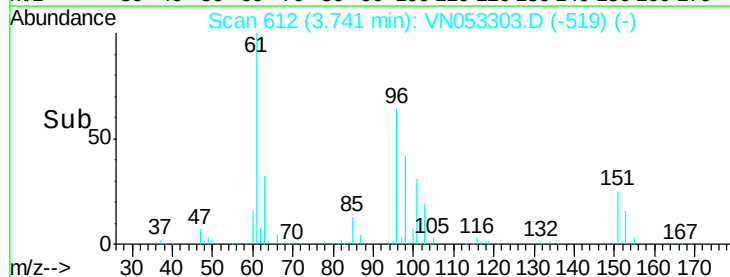
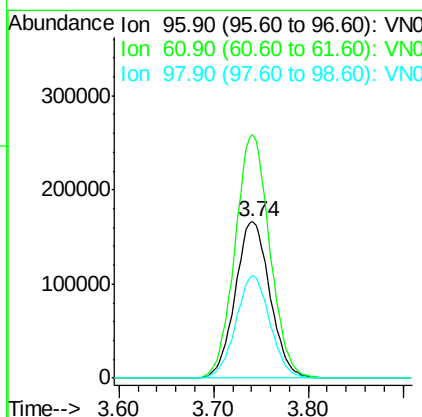
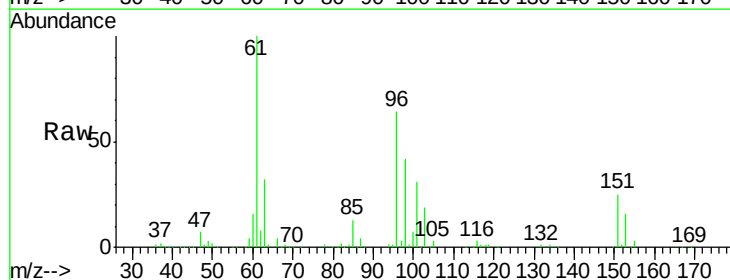
MMDadoda
 1/8/2019 9:25:21 AM

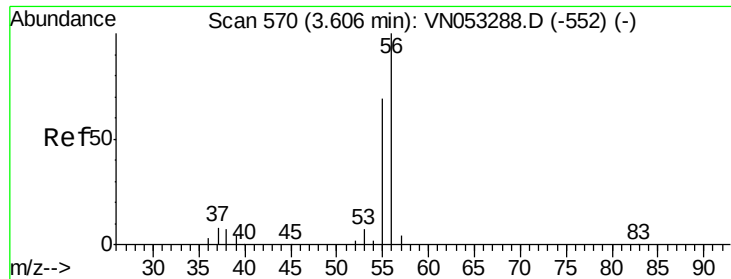


#12

1,1-Dichloroethene
 Concen: 49.129 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.7	123.2	184.8
98	65.8	50.5	75.7





#13

Acrolein

Concen: 219.039 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 159864

Ion Ratio Lower Upper

56 100

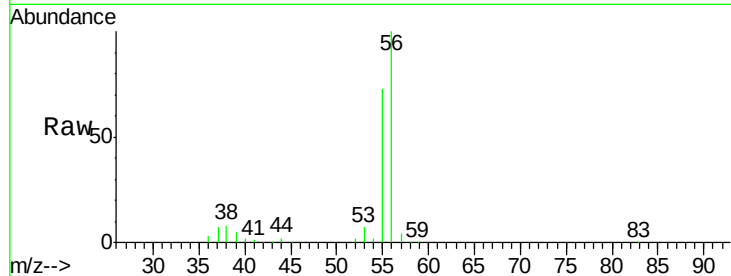
55 73.0 56.3 84.5

Manual Integrations

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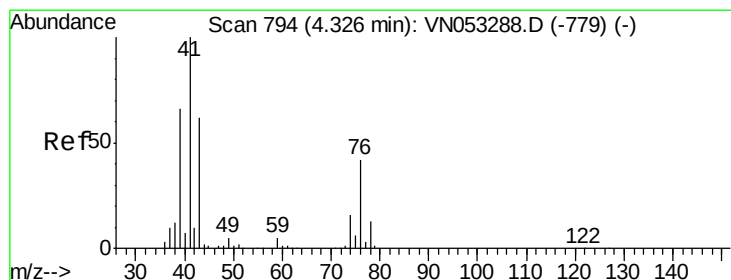
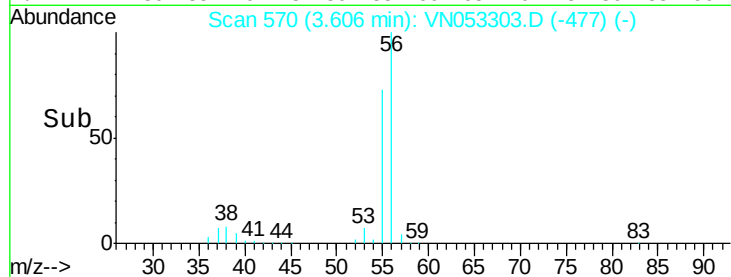
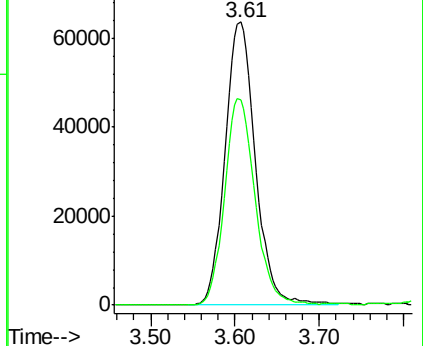
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 48.145 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

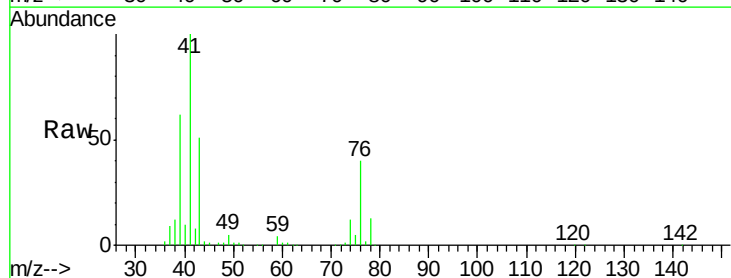
Tgt Ion: 41 Resp: 671629

Ion Ratio Lower Upper

41 100

39 64.8 51.9 77.9

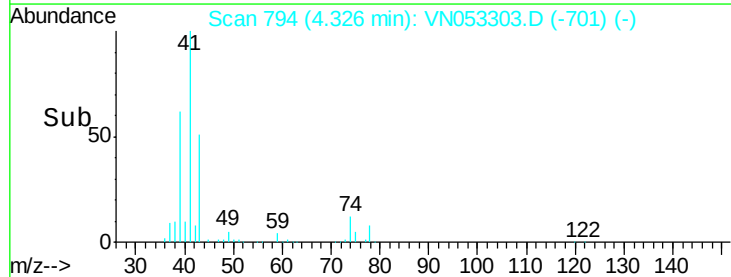
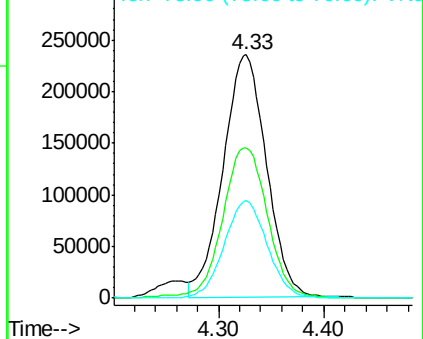
76 39.3 31.2 46.8

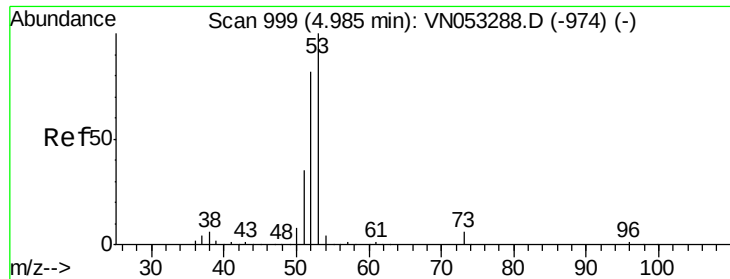


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 225.306 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

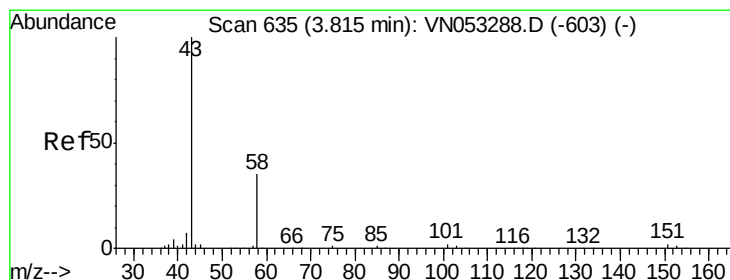
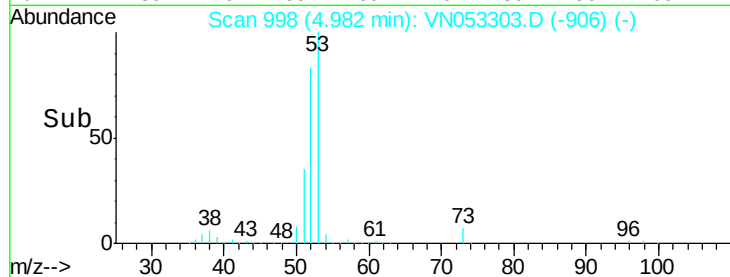
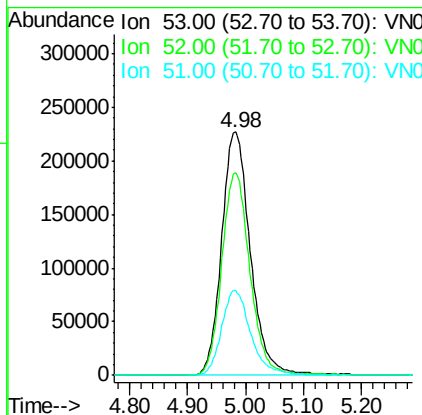
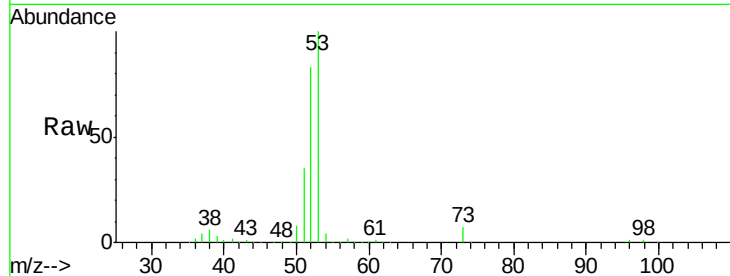
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	780723
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.2	97.8
51	35.5	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 251.999 ug/l

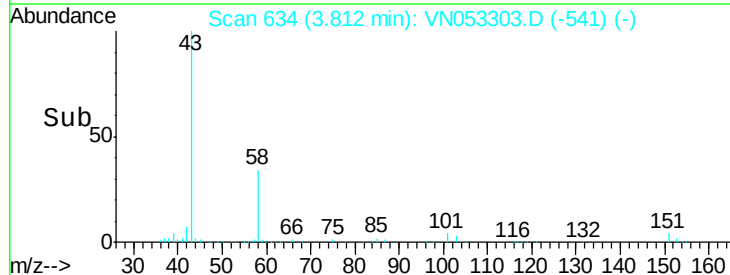
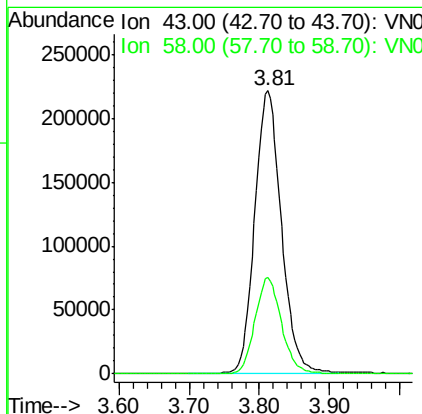
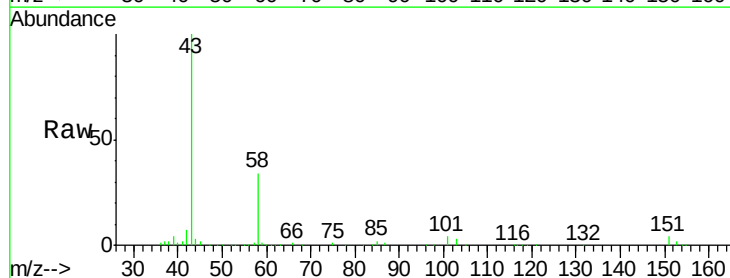
RT: 3.81 min Scan# 634

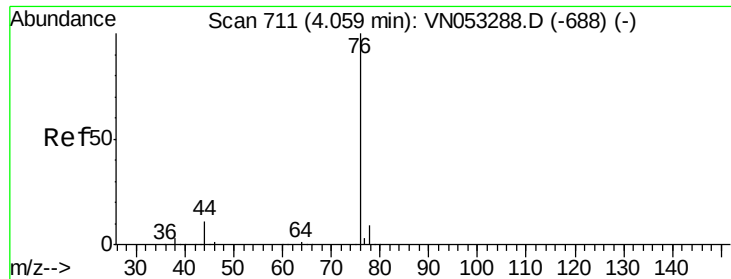
Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Tgt Ion:	43	Resp:	585266
Ion Ratio	Lower	Upper	
43	100		
58	33.9	27.8	41.6





#17

Carbon Disulfide

Concen: 49.449 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Tot Ion: 76 Resp: 1319530

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

Instrument :

MSVOA_N

ClientSampleId :

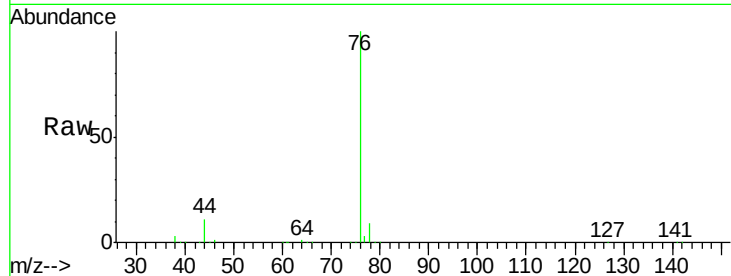
VSTDCCC050EC

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.06

500000

400000

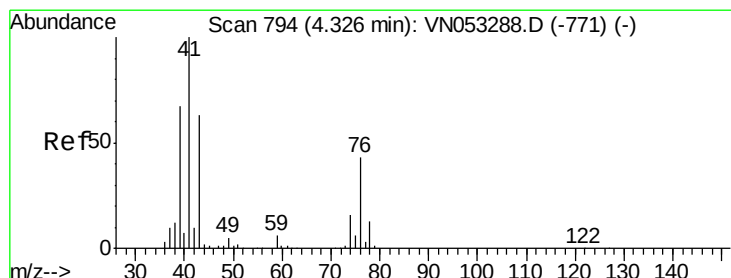
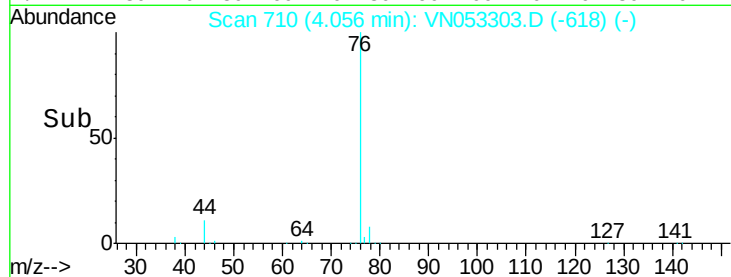
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 41.623 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VN053303.D

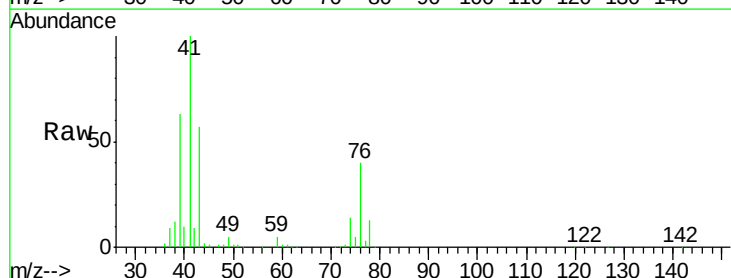
Acq: 7 Jan 2019 16:37

Tgt Ion: 43 Resp: 363553

Ion Ratio Lower Upper

43 100

74 24.6 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.32

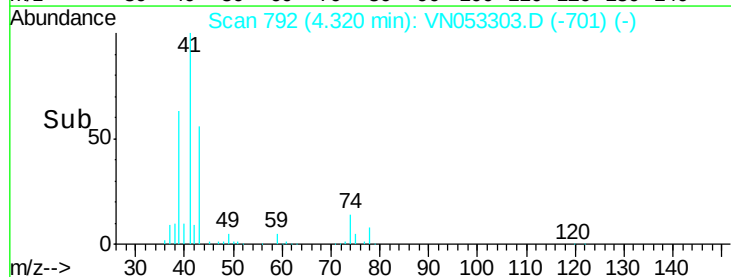
150000

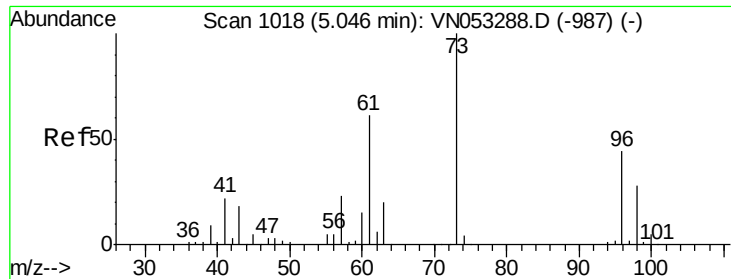
100000

50000

0

Time-->





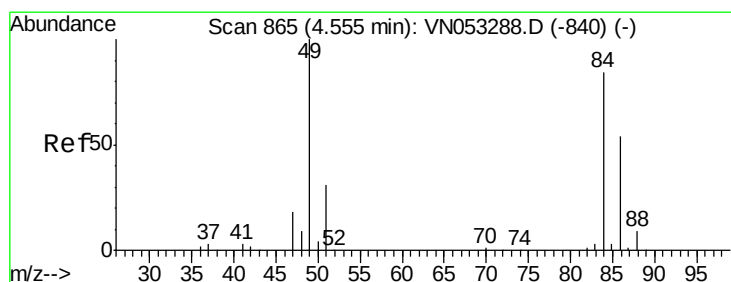
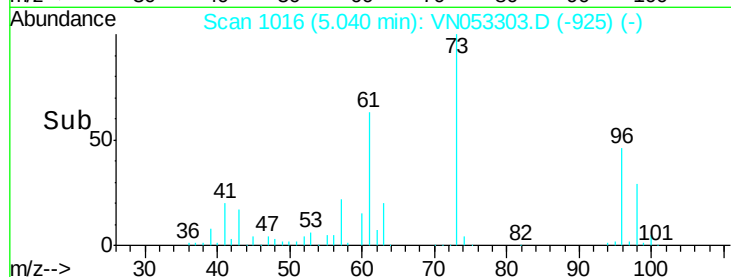
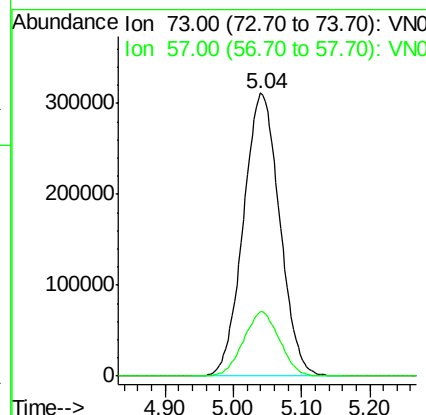
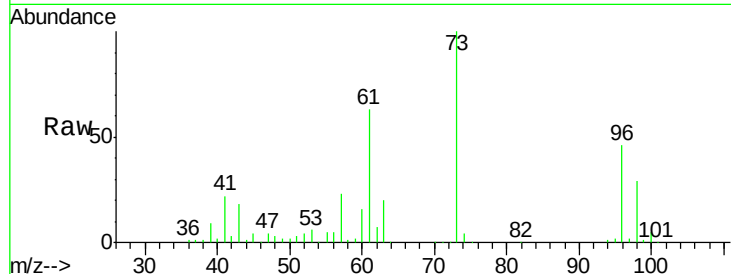
#19
Methyl tert-butyl Ether
Concen: 47.440 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1152420
Ion Ratio Lower Upper
73 100
57 22.9 18.5 27.7

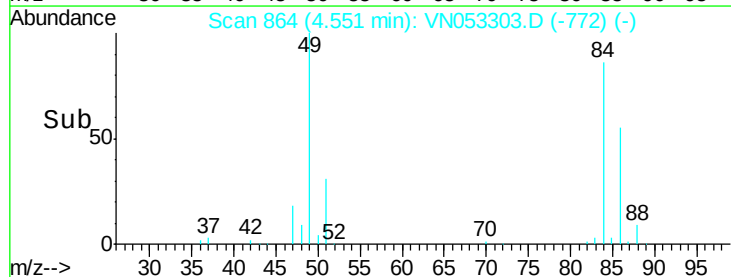
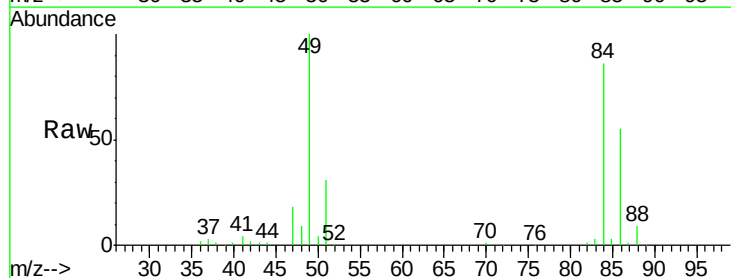
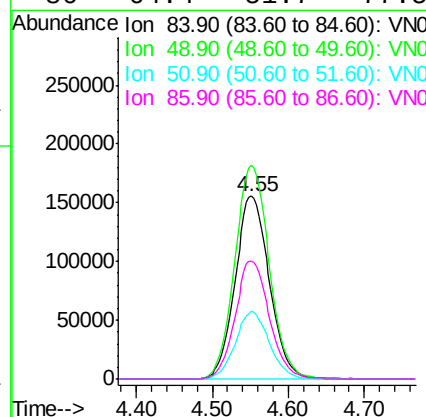
Manual Integrations
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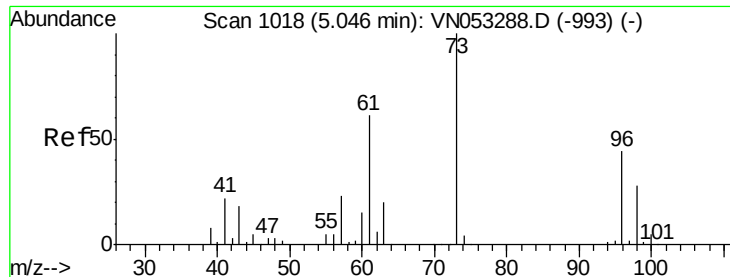
MMDadoda
1/8/2019 9:25:21 AM



#20
Methylene Chloride
Concen: 47.028 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion: 84 Resp: 487456
Ion Ratio Lower Upper
84 100
49 116.8 95.3 142.9
51 36.8 29.0 43.6
86 64.4 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 49.846 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 463246

Ion Ratio Lower Upper

96 100

61 136.7 110.2 165.4

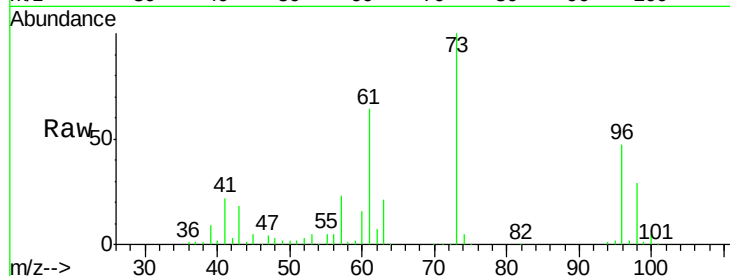
98 61.6 50.7 76.1

Manual Integrations

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MMDadoda

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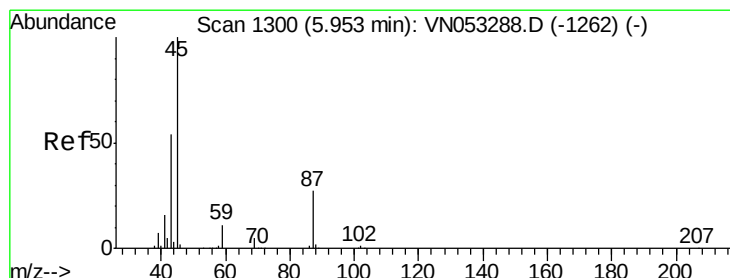
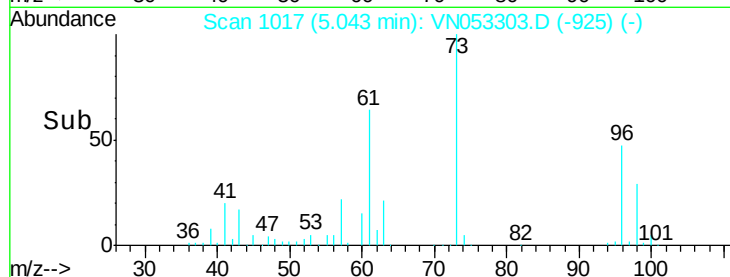
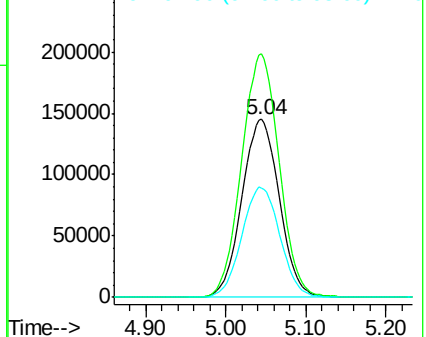


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 48.879 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.01 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Tgt Ion: 45 Resp: 1468953

Ion Ratio Lower Upper

45 100

43 57.4 43.0 64.6

87 28.5 22.1 33.1

59 12.0 9.0 13.4

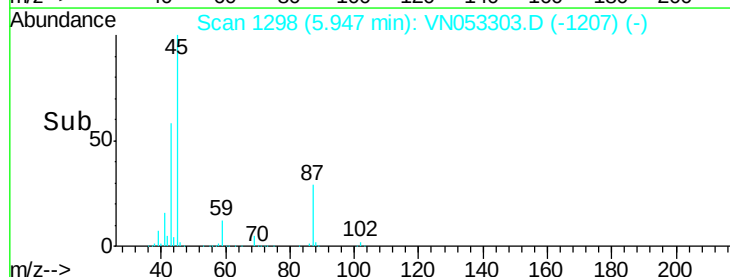
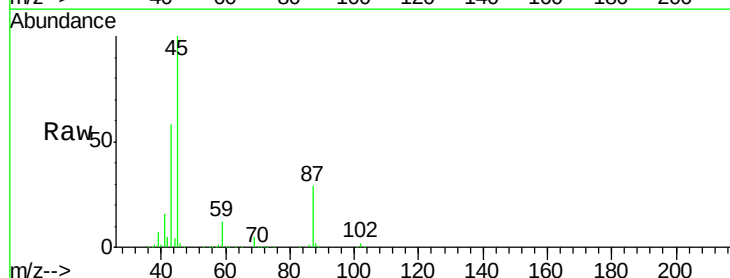
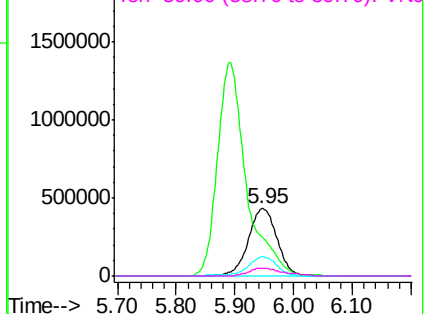
Abundance

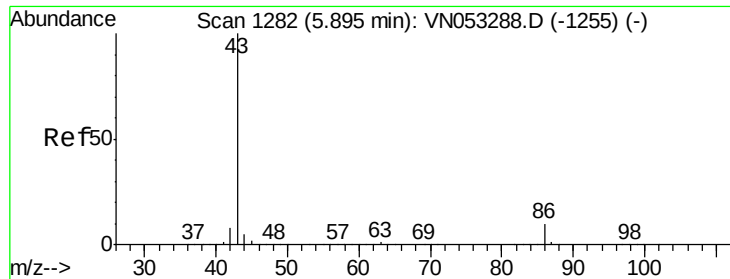
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





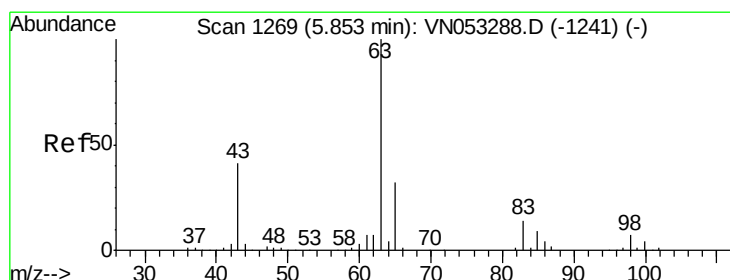
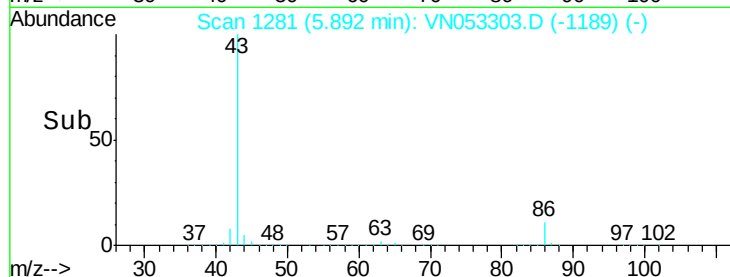
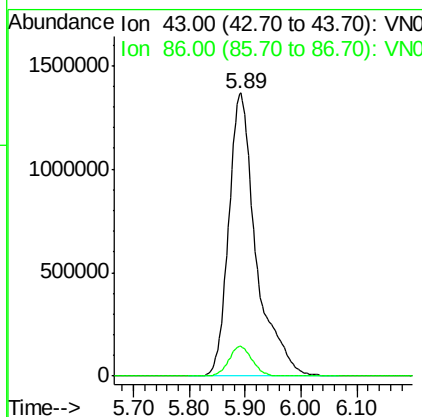
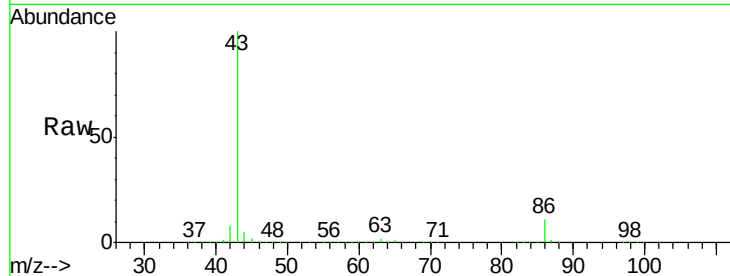
#23
 Vinyl Acetate
 Concen: 246.567 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 4662488
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6

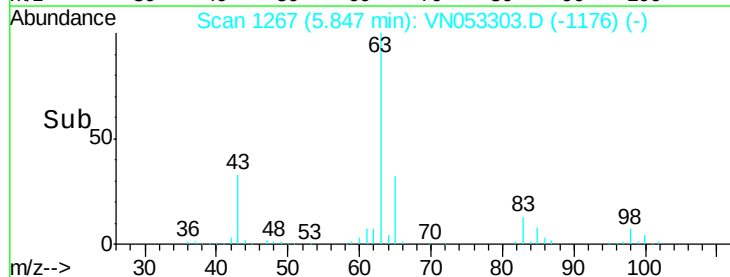
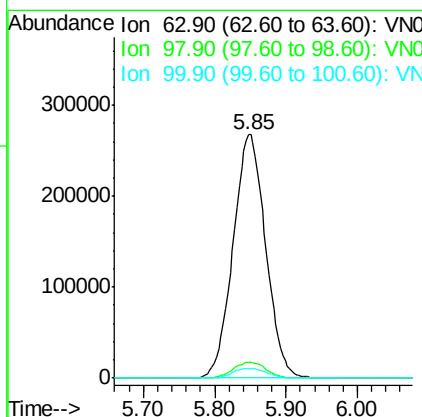
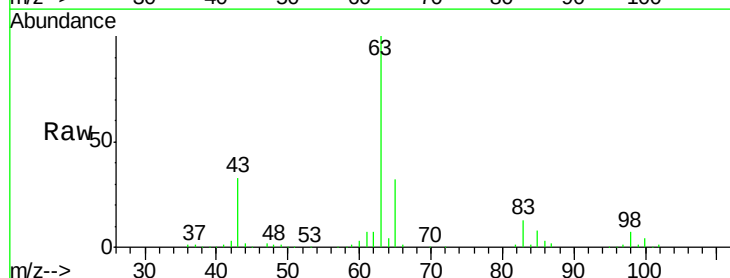
Manual Integrations
 APPROVED

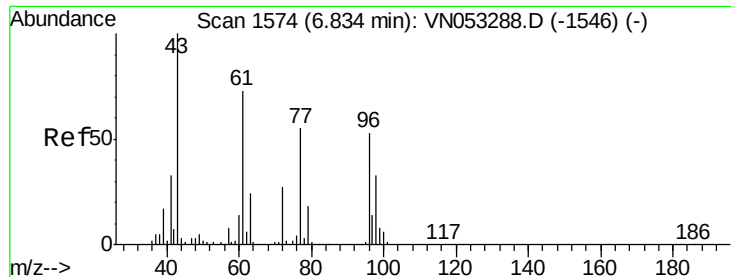
MMDadoda
 1/8/2019 9:25:21 AM



#24
 1,1-Dichloroethane
 Concen: 49.115 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion: 63 Resp: 851316
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.8
 100 4.1 2.1 6.5





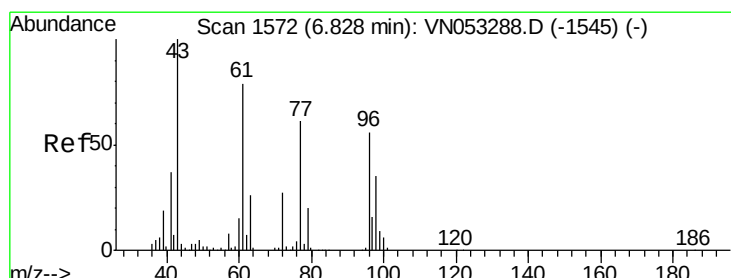
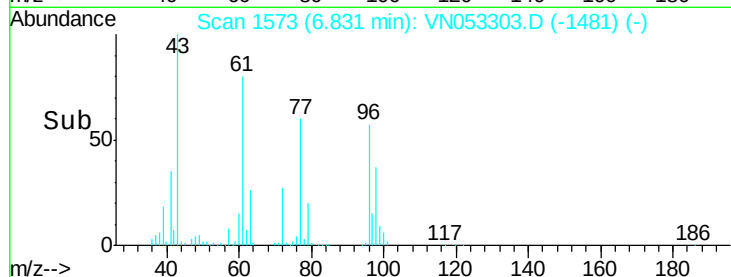
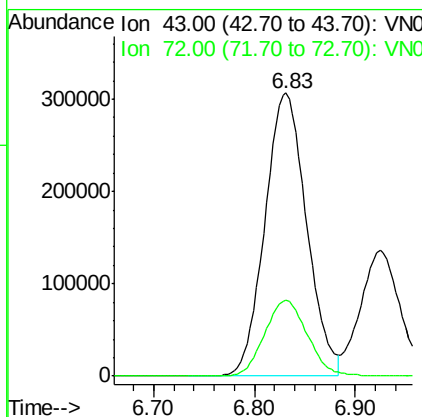
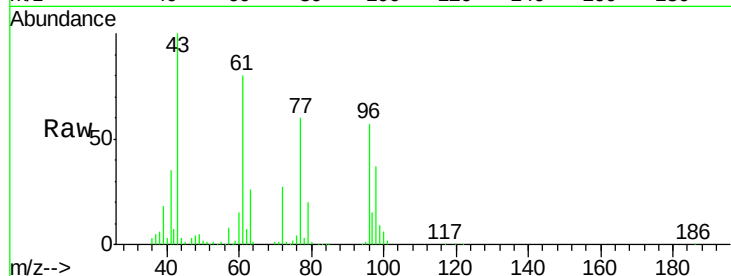
#25
2-Butanone
Concen: 222.077 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 879275
Ion Ratio Lower Upper
43 100
72 26.9 22.0 33.0

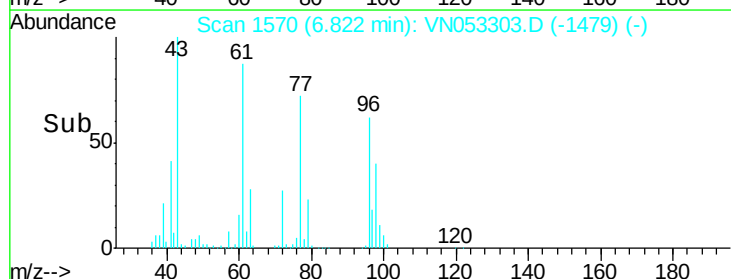
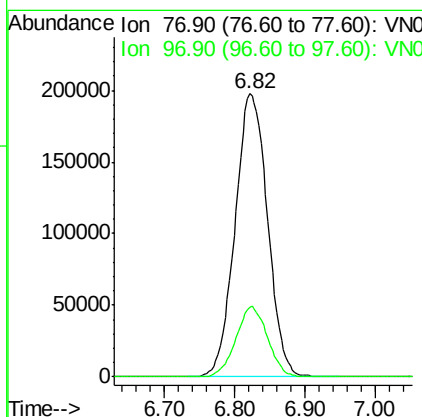
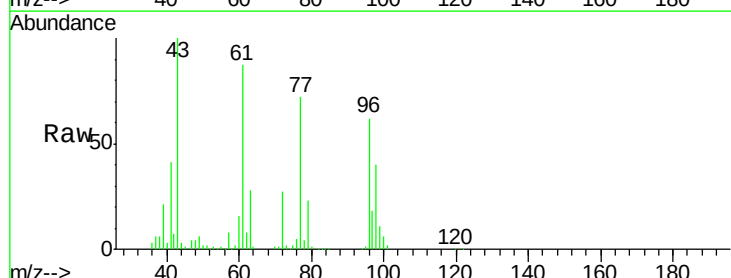
Manual Integrations
APPROVED

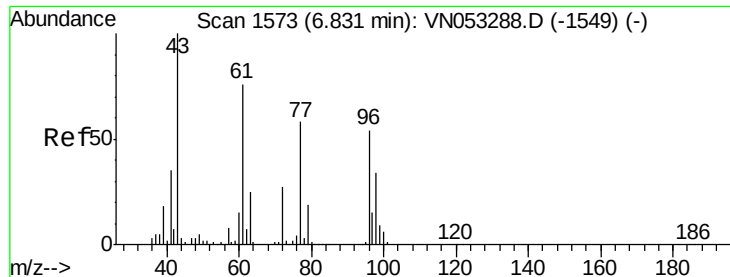
MMDadoda
1/8/2019 9:25:21 AM



#26
2,2-Dichloropropane
Concen: 50.104 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion: 77 Resp: 634825
Ion Ratio Lower Upper
77 100
97 24.2 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 49.470 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 525009

Ion Ratio Lower Upper

96 100

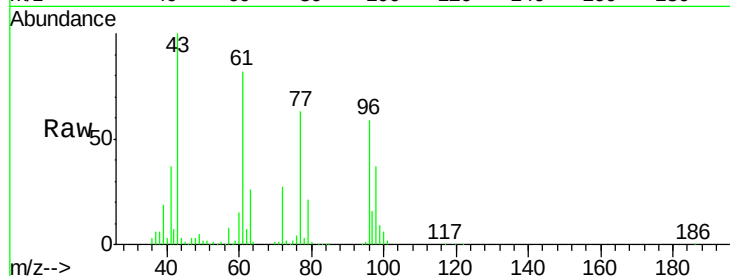
61 140.7 0.0 280.6

98 64.3 0.0 127.6

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MMDadoda

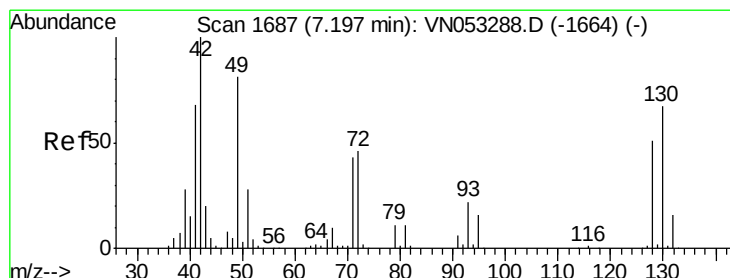
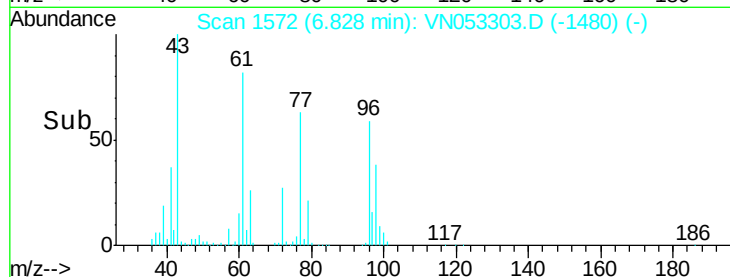
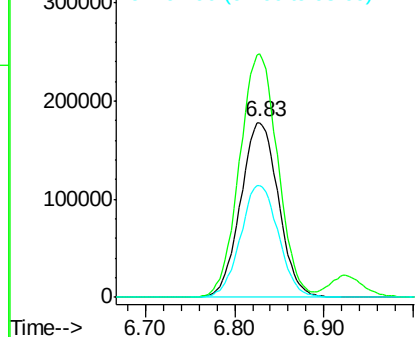
1/8/2019 9:25:21 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 49.389 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

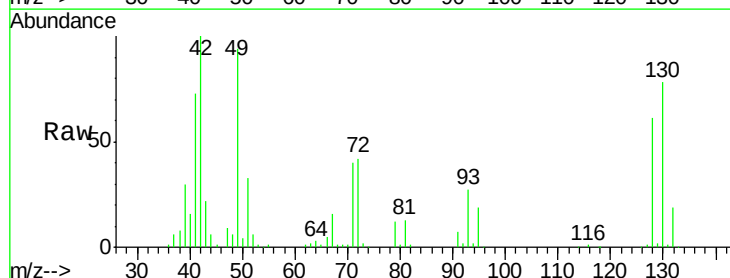
Tgt Ion: 49 Resp: 364798

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

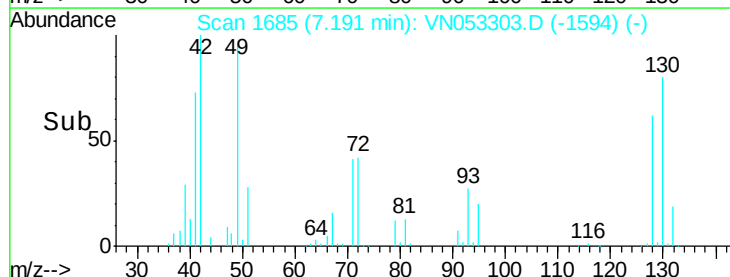
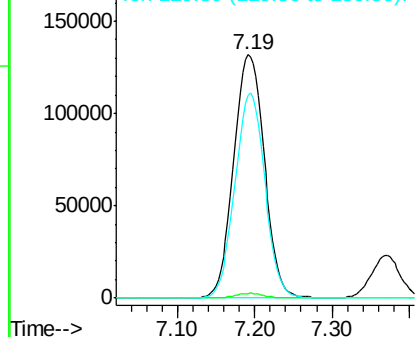
130 82.0 65.4 98.0

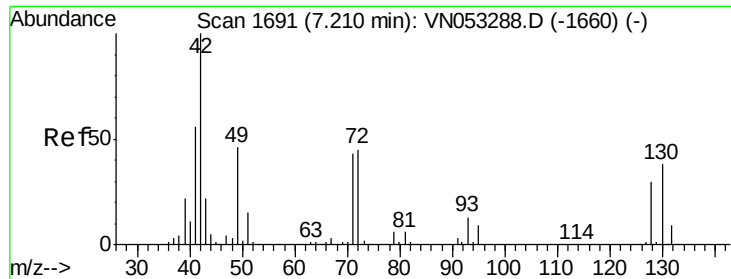


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





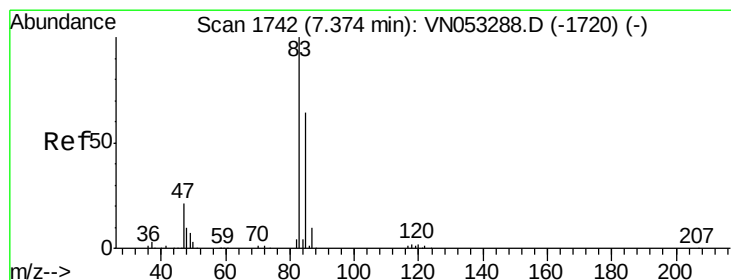
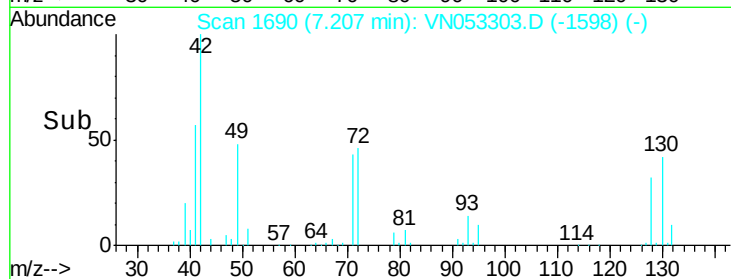
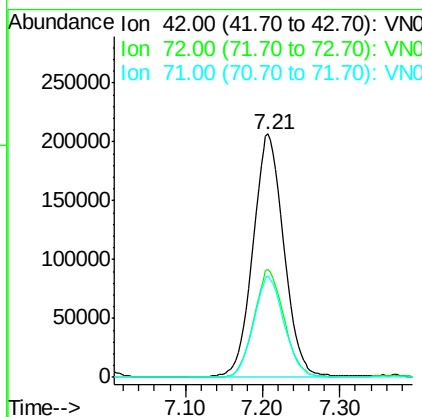
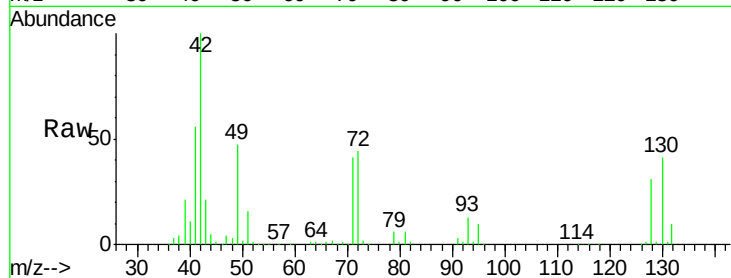
#29
Tetrahydrofuran
Concen: 220.963 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	35.6	53.4
71	41.0	33.8	50.8

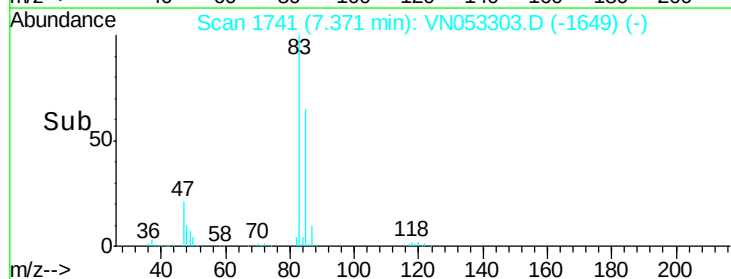
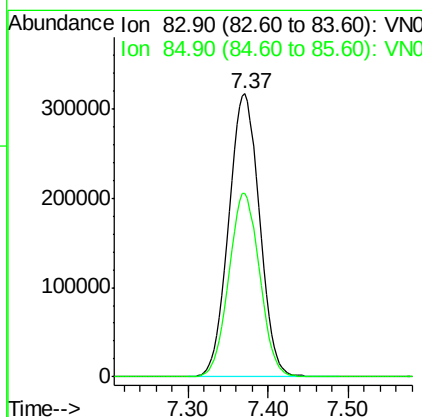
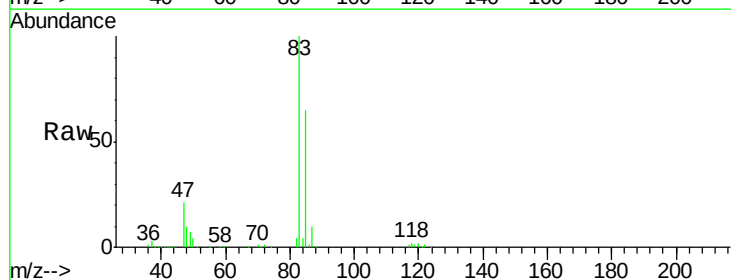
Manual Integrations
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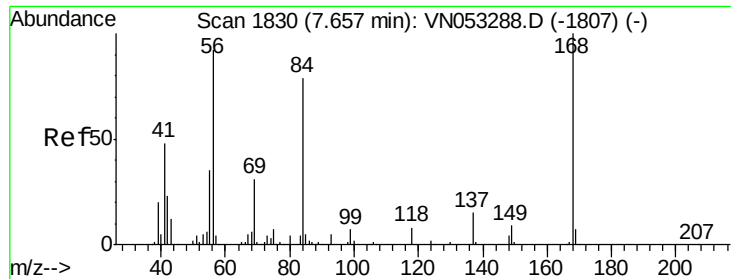
MMDadoda
1/8/2019 9:25:21 AM



#30
Chloroform
Concen: 48.591 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.3	76.9





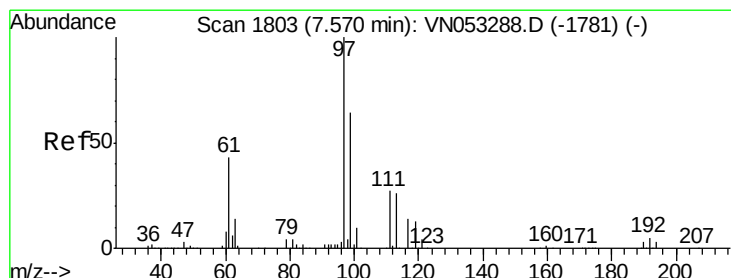
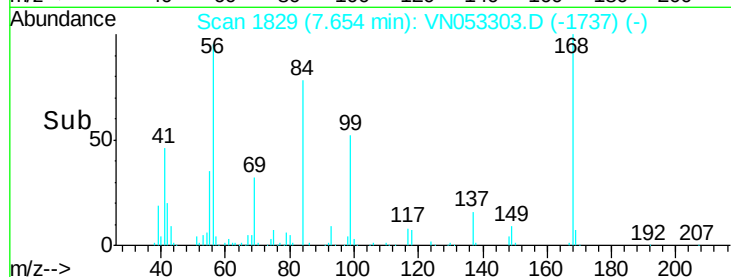
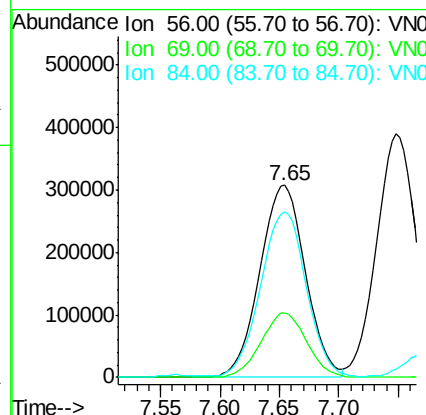
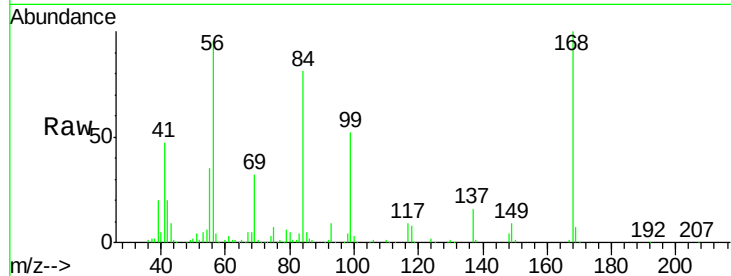
#31
Cyclohexane
Concen: 49.482 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	26.7	40.1
84	84.8	68.2	102.4

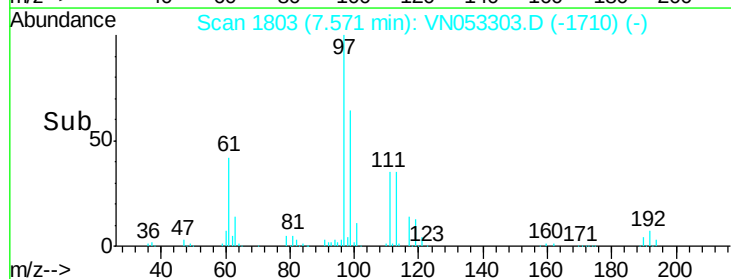
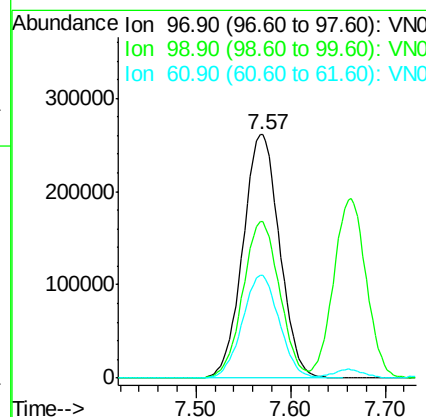
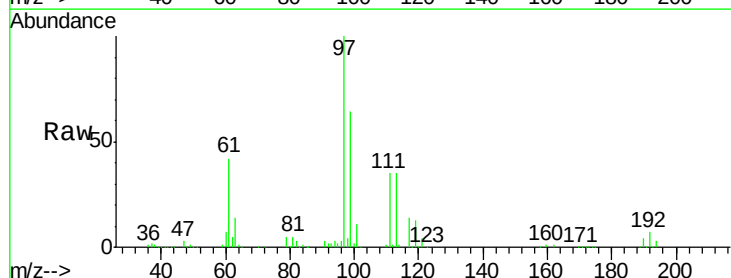
Manual Integrations
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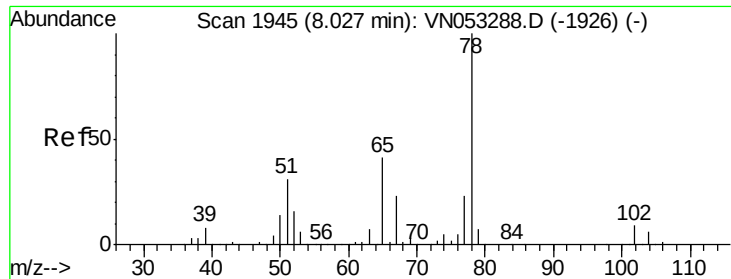
MMDadoda
1/8/2019 9:25:21 AM



#32
1,1,1-Trichloroethane
Concen: 49.364 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	42.5	34.6	52.0





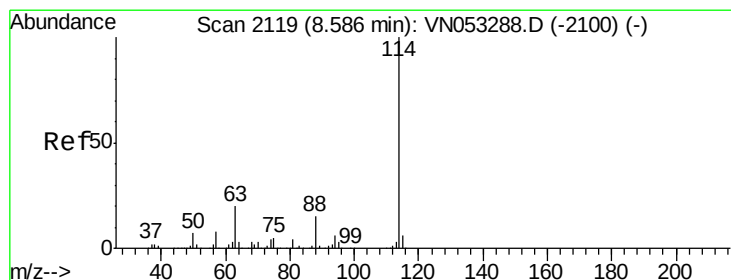
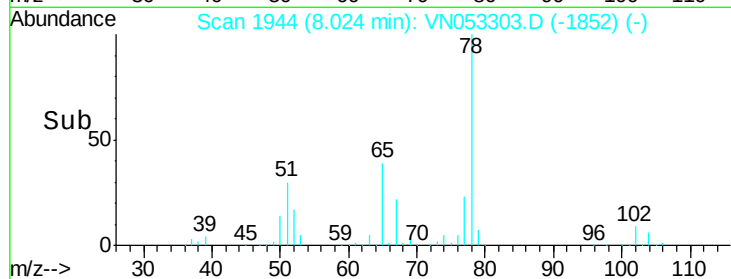
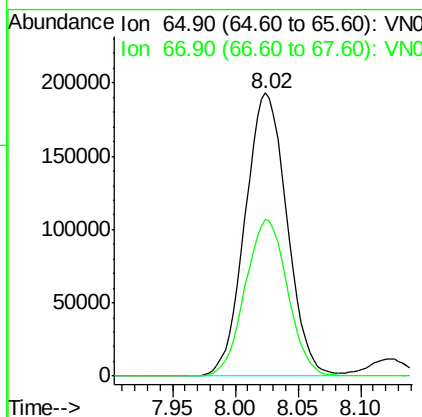
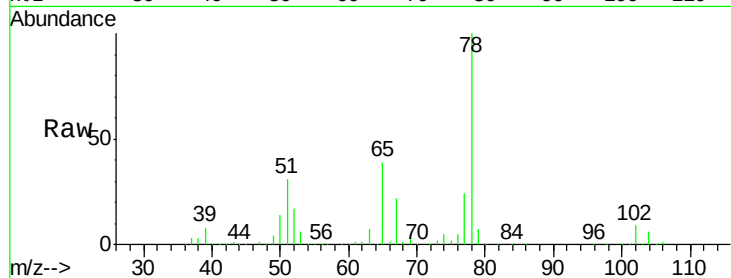
#33
 1,2-Dichloroethane-d4
 Concen: 49.364 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	449223		
67	56.0	0.0	111.0	

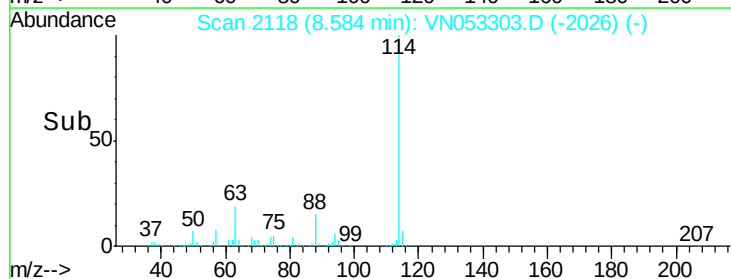
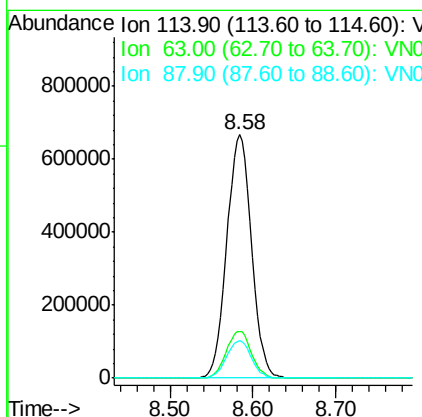
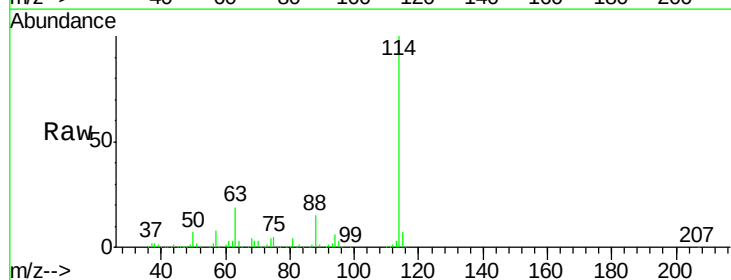
Manual Integrations
 APPROVED

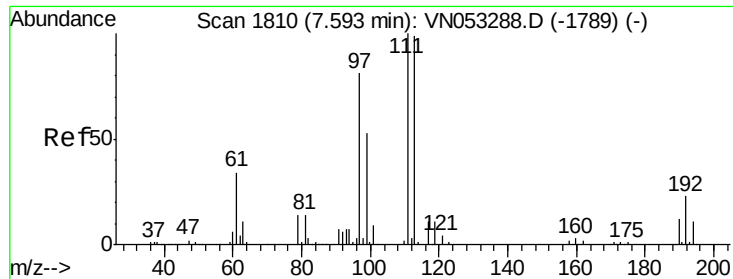
MMDadoda
 1/8/2019 9:25:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1383497		
63	19.4	0.0	39.0	
88	15.4	0.0	30.8	





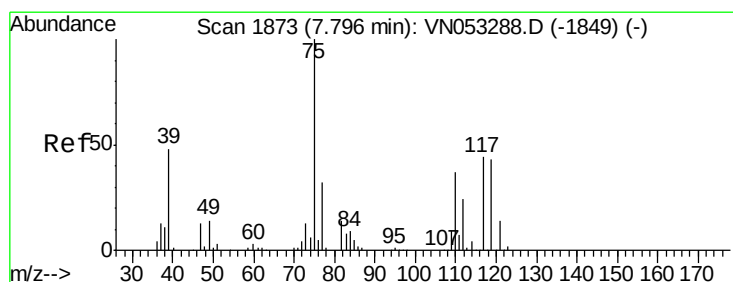
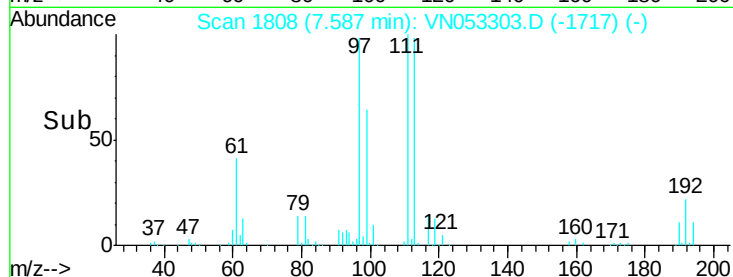
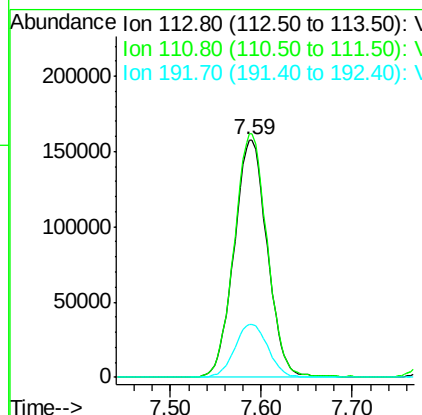
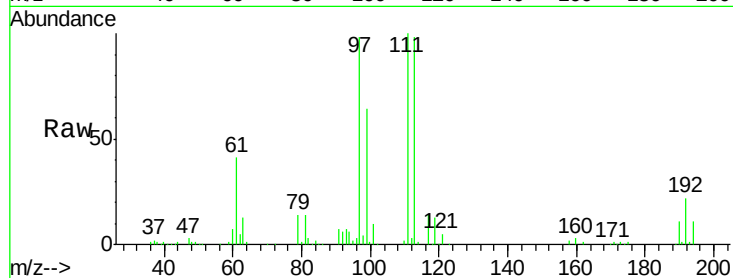
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.01 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	81.4	122.2	
192	22.6	17.9	26.9	

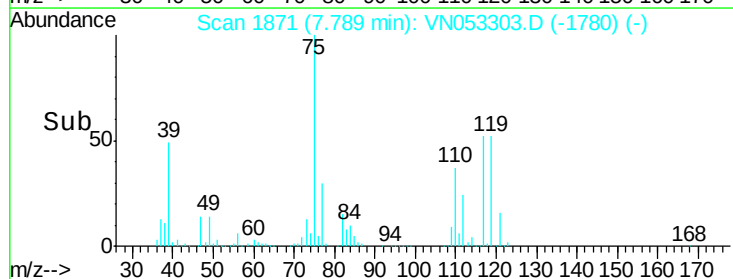
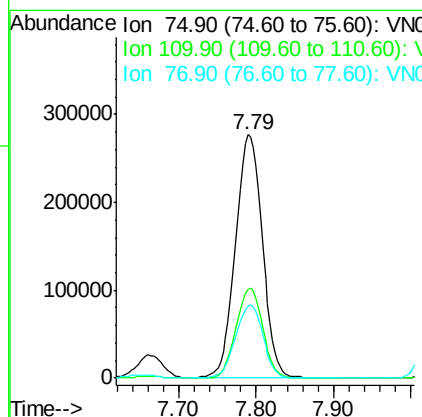
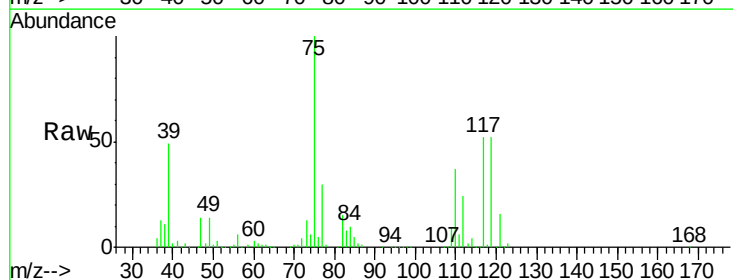
Manual Integrations
APPROVED

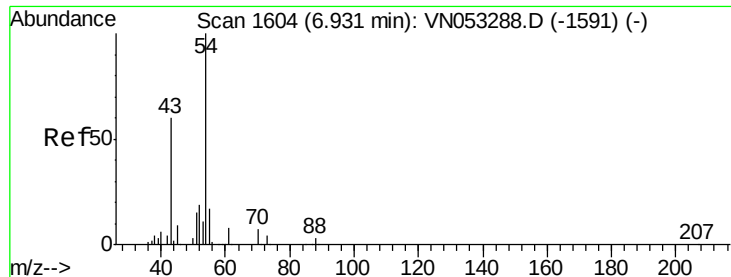
MMDadoda
1/8/2019 9:25:21 AM



#36
1,1-Dichloropropene
Concen: 51.554 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.01 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.7	18.4	55.0	
77	30.9	25.3	37.9	





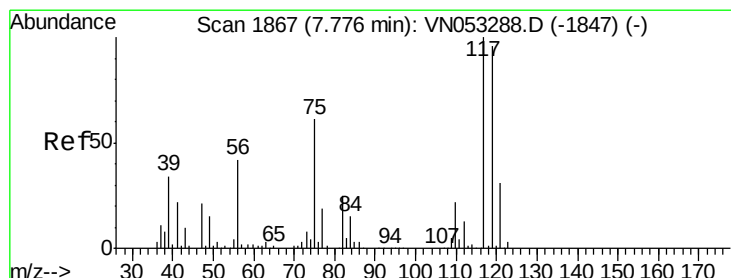
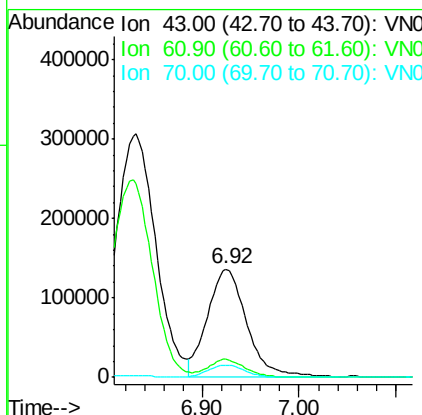
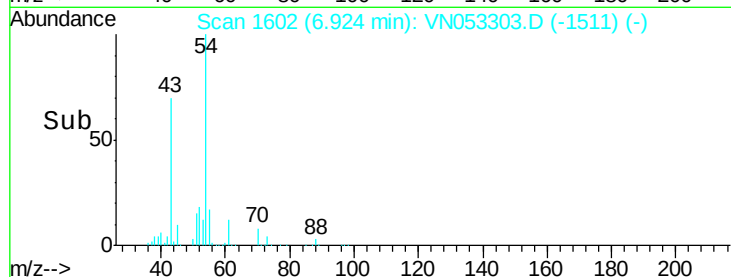
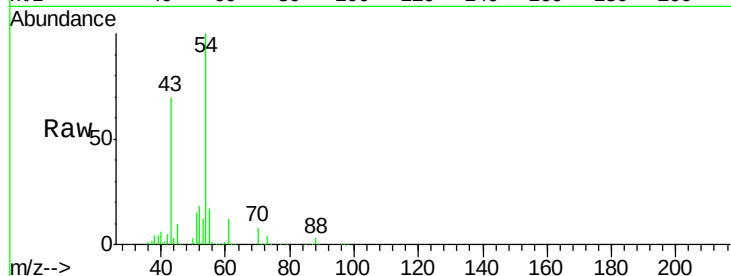
#37
Ethyl Acetate
Concen: 44.975 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.9	17.9
70	11.1	8.6	13.0

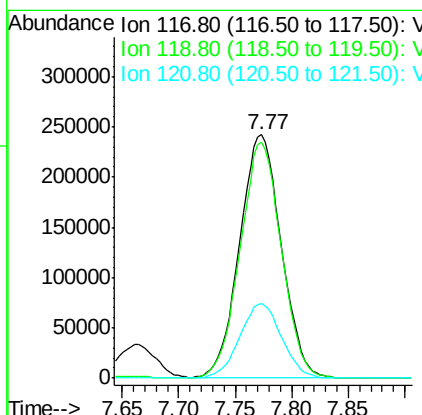
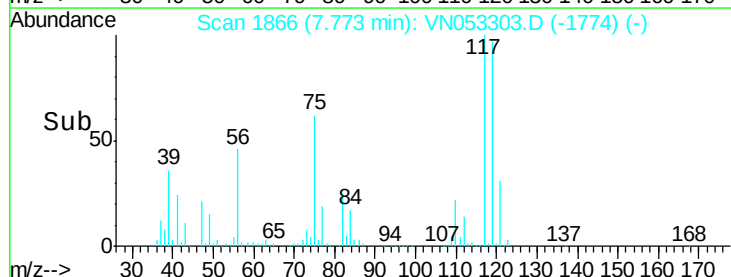
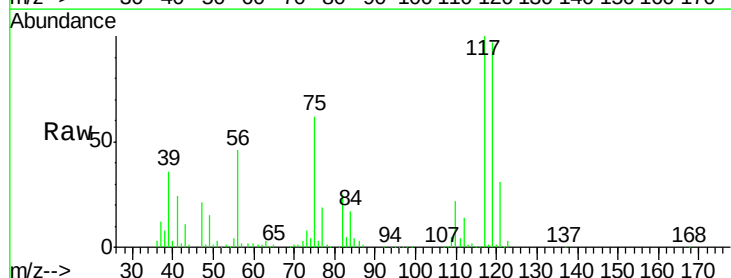
Manual Integrations
APPROVED

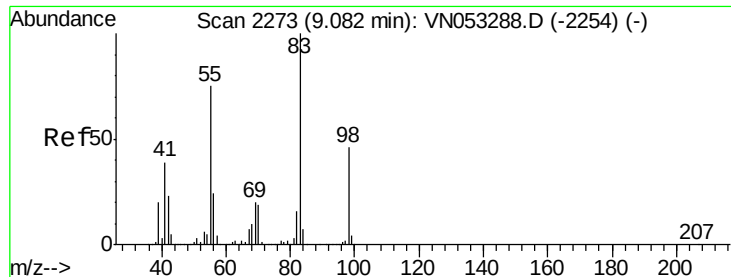
MMDadoda
1/8/2019 9:25:21 AM



#38
Carbon Tetrachloride
Concen: 51.618 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.6	115.0
121	30.6	25.0	37.4





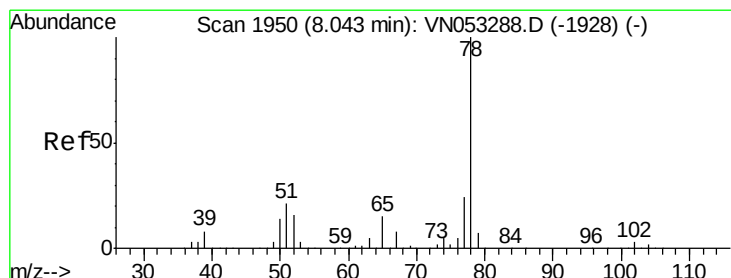
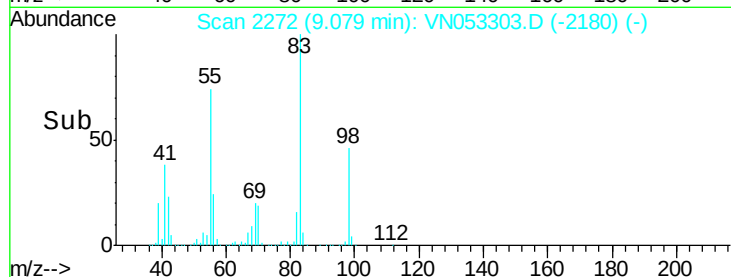
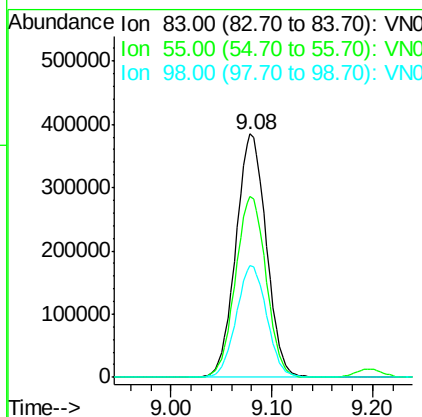
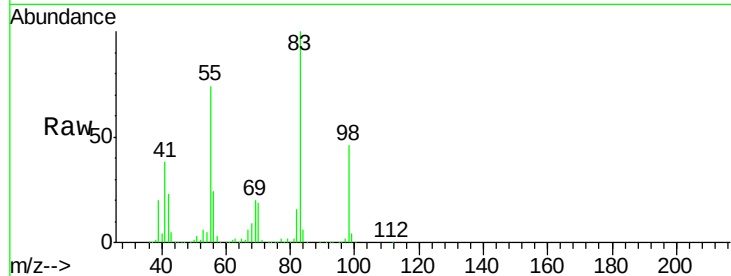
#39
Methylvlcyclohexane
Concen: 53.683 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	60.1	90.1
98	45.7	36.7	55.1

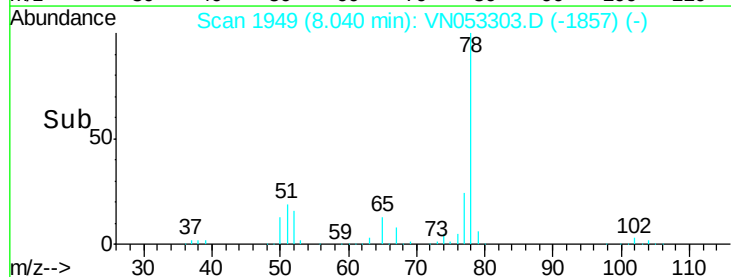
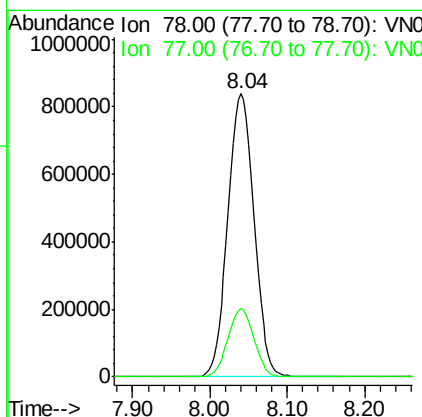
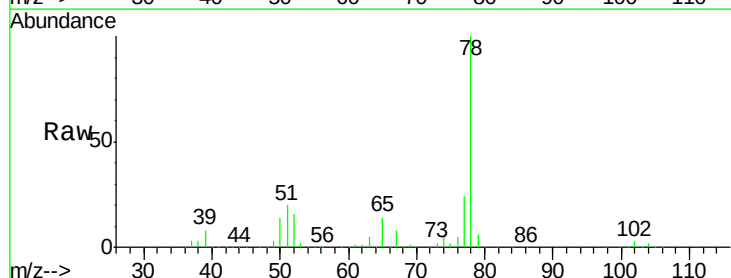
Manual Integrations
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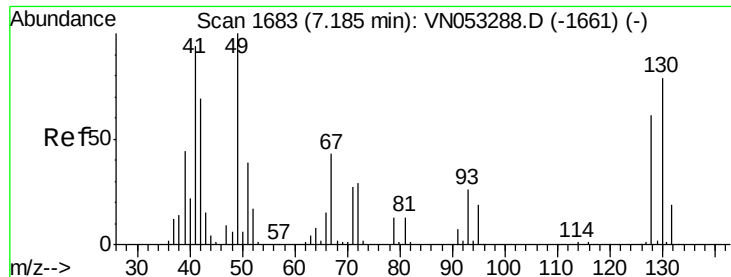
MMDadoda
1/8/2019 9:25:21 AM



#40
Benzene
Concen: 49.968 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4





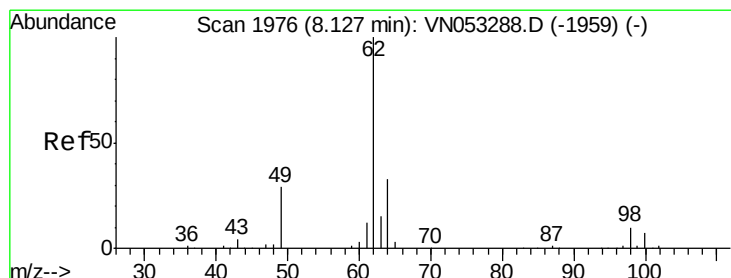
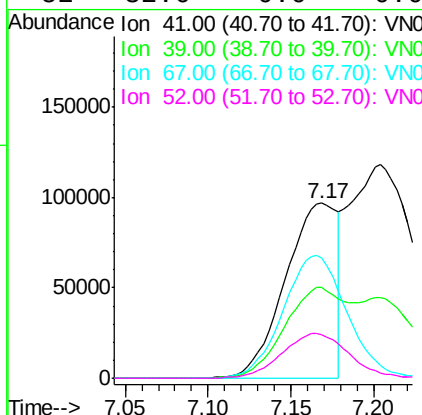
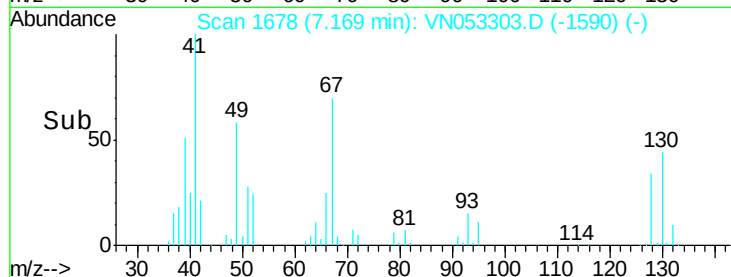
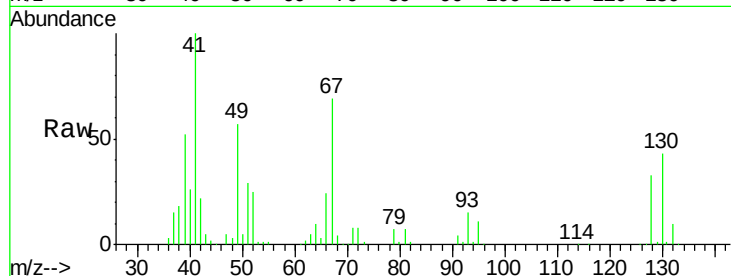
#41
Methacrylonitrile
Concen: 40.366 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.02 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.9	0.0	0.0#
67	87.1	0.0	0.0#
52	32.6	0.0	0.0#

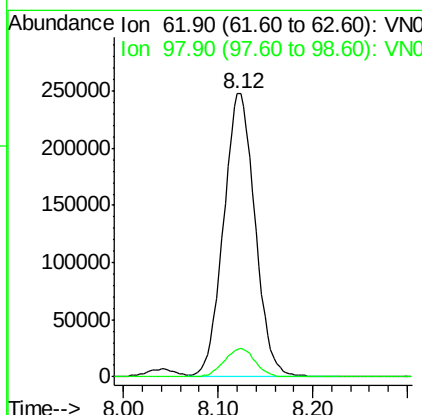
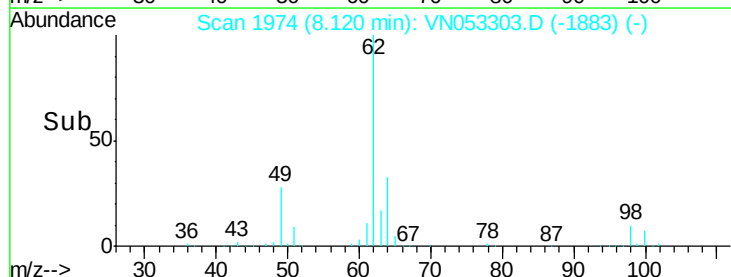
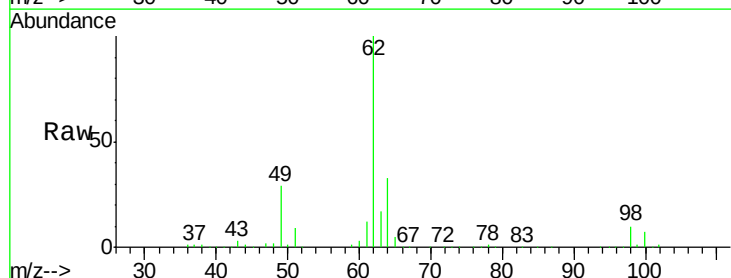
Manual Integrations
APPROVED

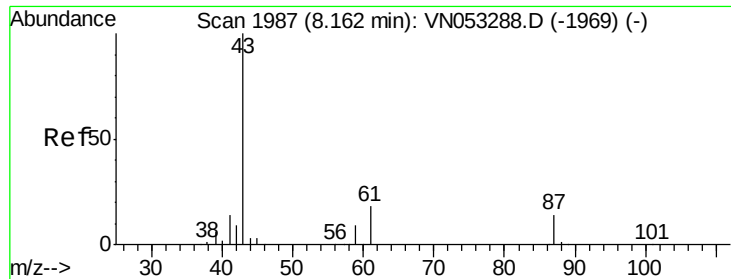
MMDadoda
1/8/2019 9:25:21 AM



#42
1,2-Dichloroethane
Concen: 48.771 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.01 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2





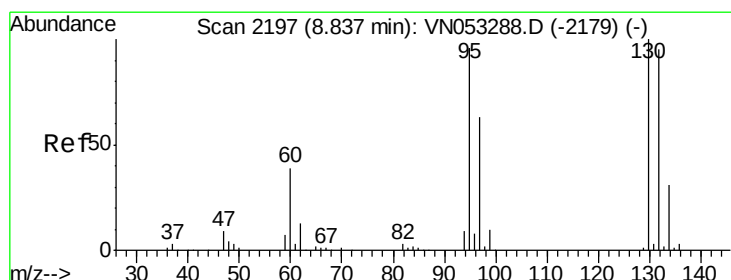
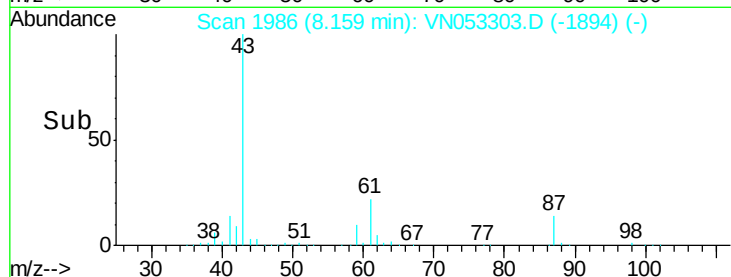
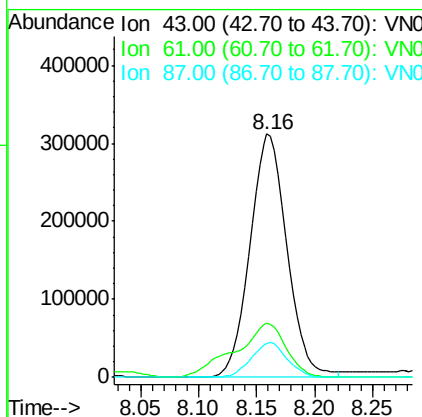
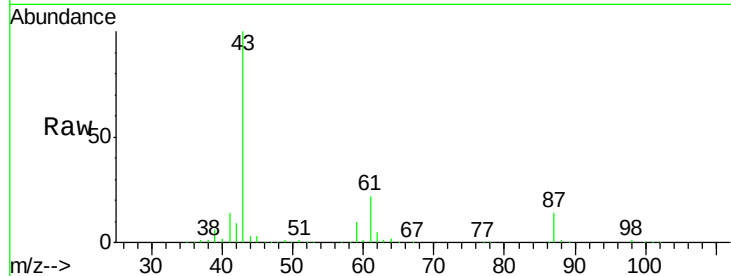
#43
Isopropyl Acetate
Concen: 41.809 ug/l
RT: 8.16 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.3	23.3	34.9
87	13.9	10.8	16.2

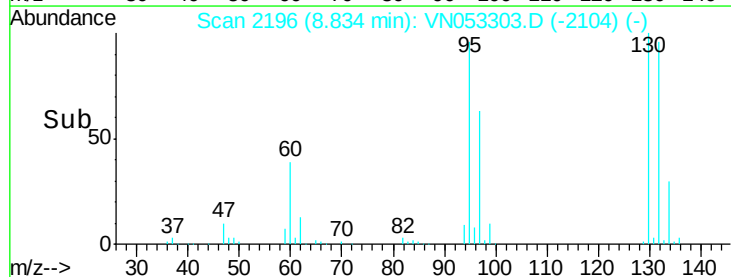
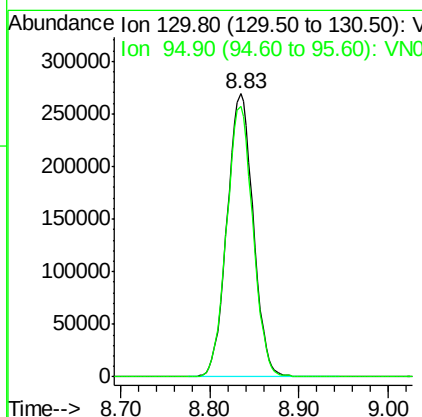
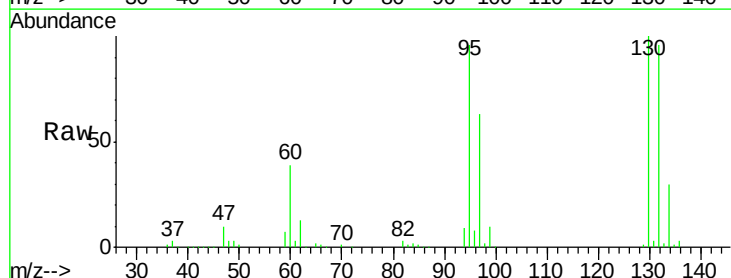
Manual Integrations
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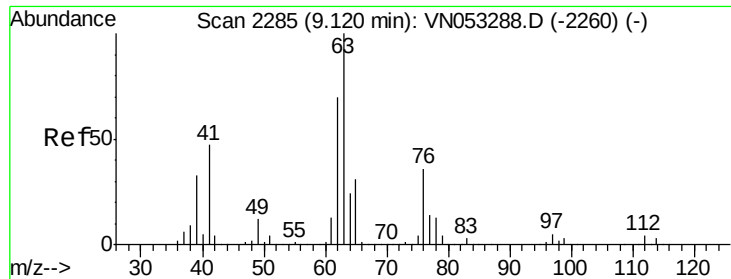
MMDadoda
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#44
Trichloroethene
Concen: 50.433 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	191.8





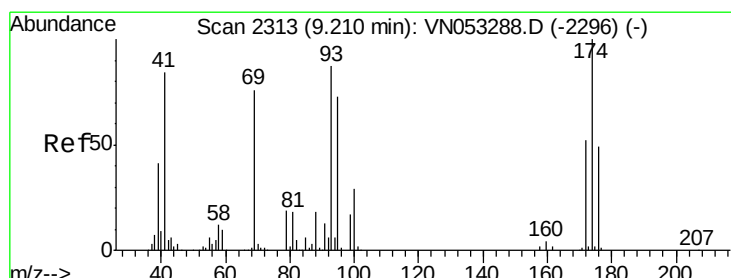
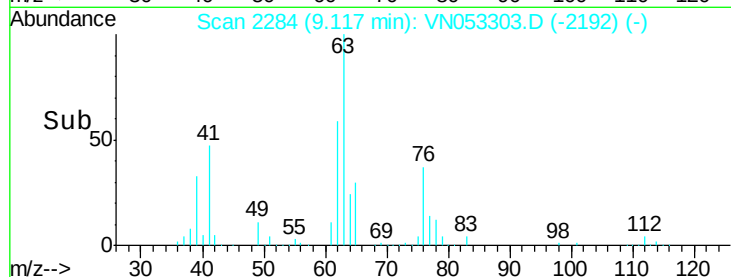
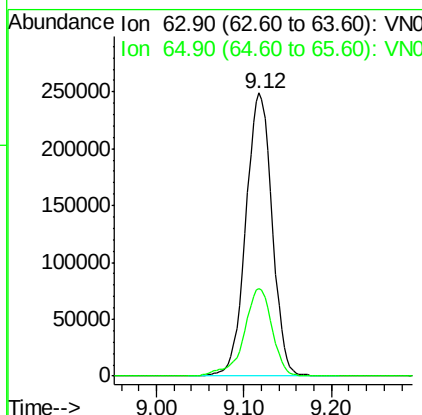
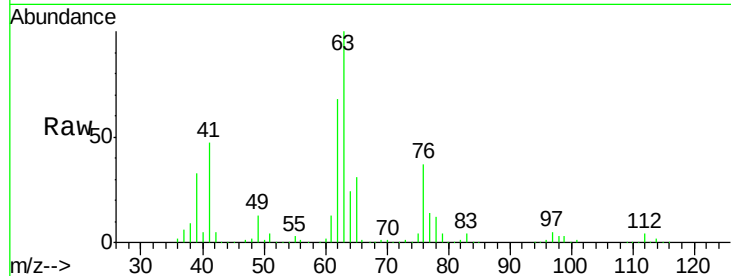
#45
 1,2-Dichloropropane
 Concen: 50.128 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 518704
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.6

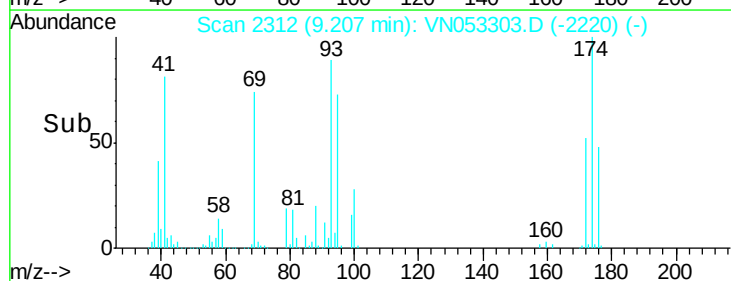
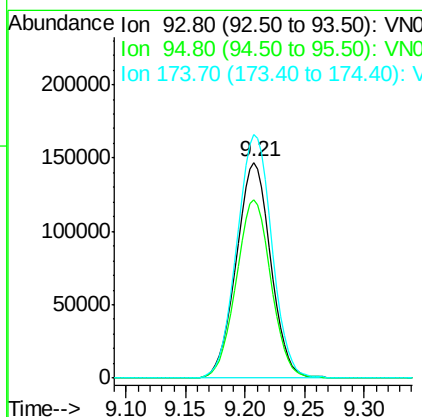
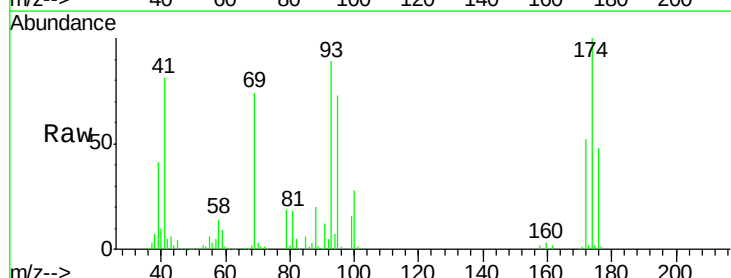
Manual Integrations
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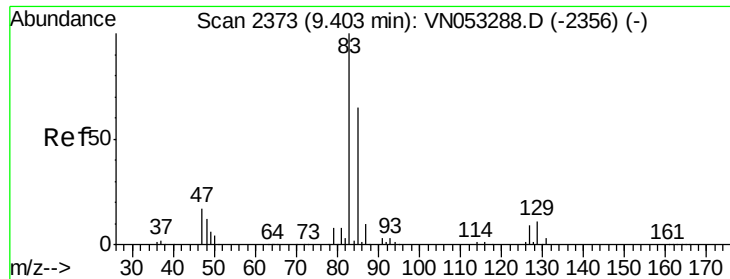
MMDadoda
 1/8/2019 9:25:21 AM



#46
 Dibromomethane
 Concen: 48.960 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion: 93 Resp: 295392
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.6 100.0
 174 115.1 91.4 137.0





#47

Bromodichloromethane

Concen: 50.330 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

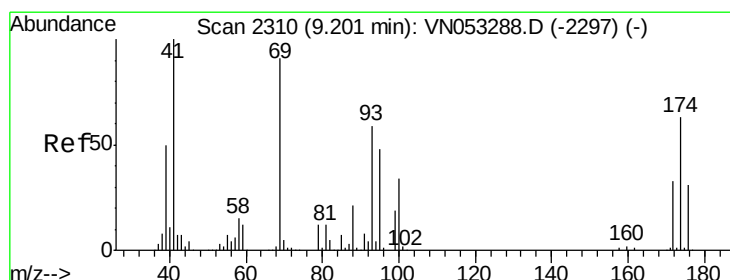
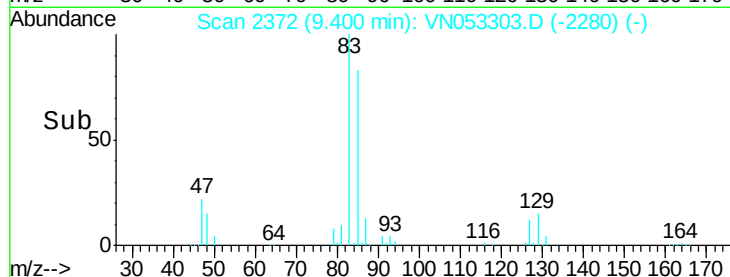
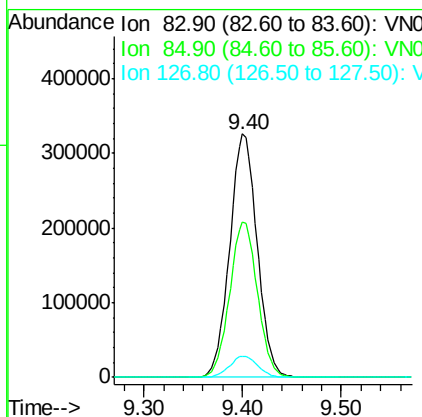
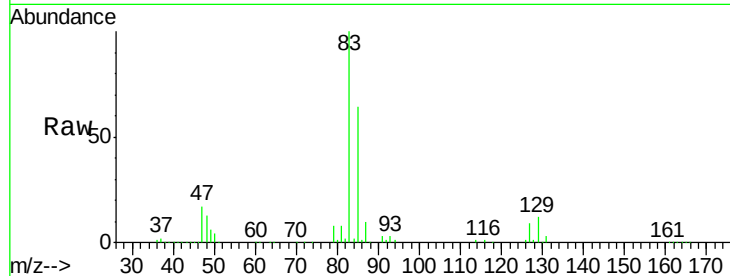
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	632810
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.7	77.5
127	8.8	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.971 ug/l

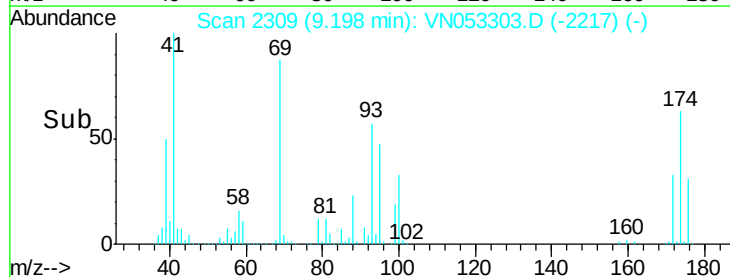
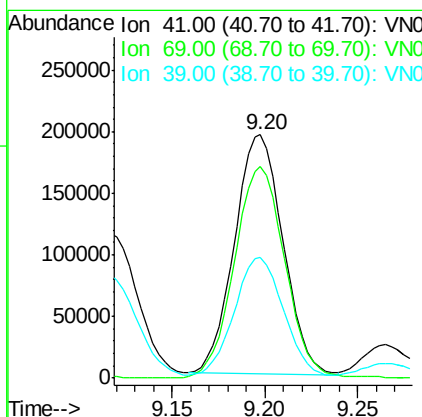
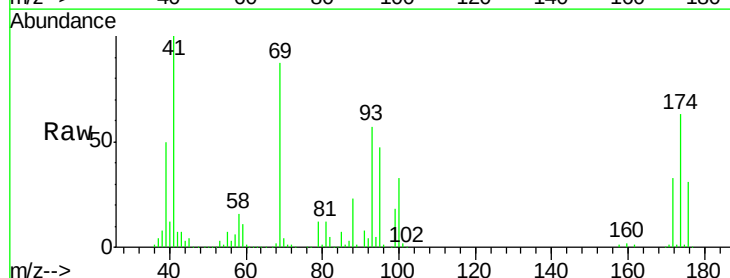
RT: 9.20 min Scan# 2309

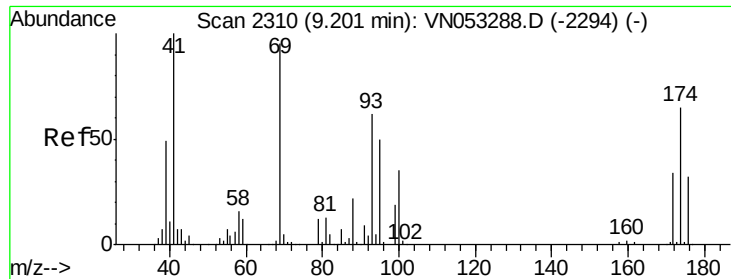
Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Tgt Ion:	41	Resp:	353177
Ion Ratio	Lower	Upper	
41	100		
69	92.0	73.5	110.3
39	52.1	41.6	62.4





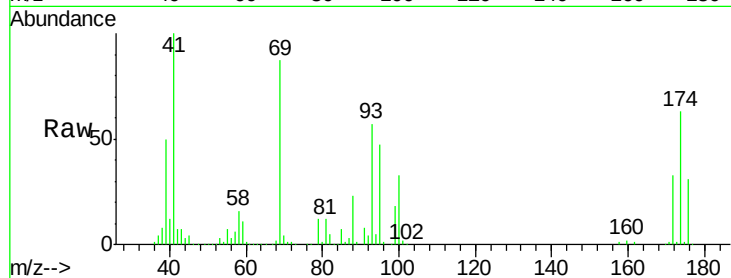
#49
1,4-Dioxane
Concen: 1163.762 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

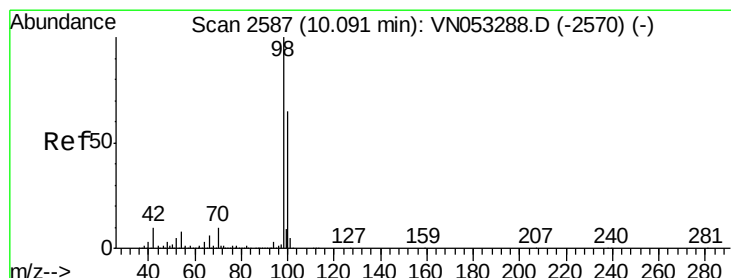
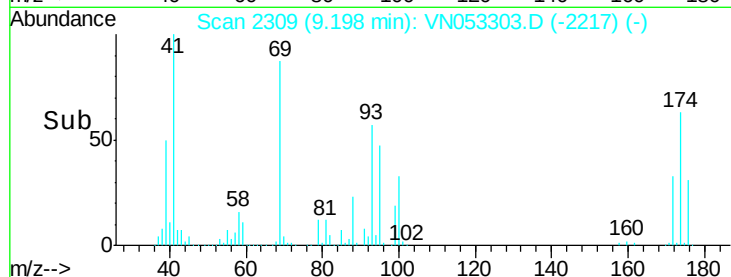
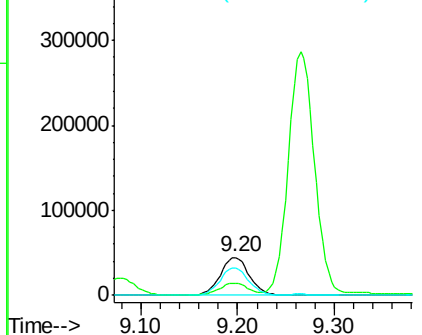
Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	26.2	39.4
58	70.4	55.5	83.3

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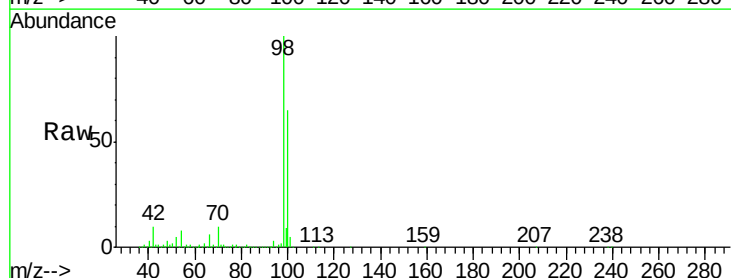


Abundance Ion 88.00 (87.70 to 88.70): VN053288.D (-2294) (-)
Ion 43.00 (42.70 to 43.70): VN053288.D (-2294) (-)
Ion 58.00 (57.70 to 58.70): VN053288.D (-2294) (-)

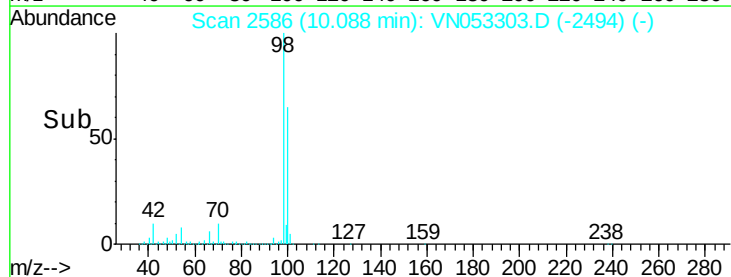
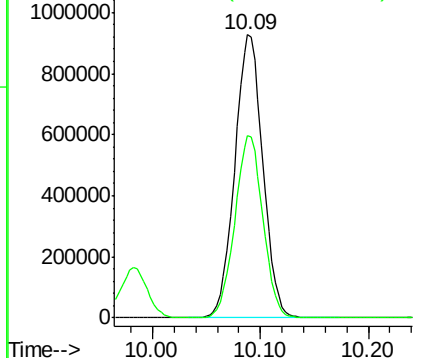


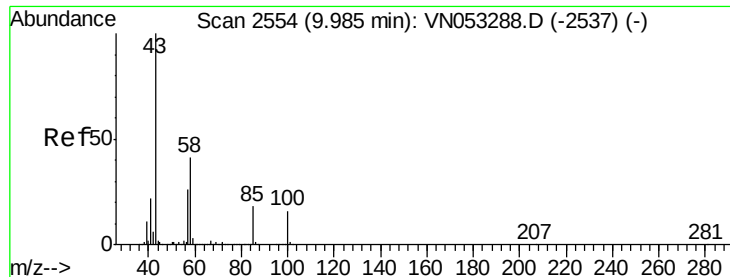
#50
Toluene-d8
Concen: 1163.762 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.5	77.3



Abundance Ion 98.00 (97.70 to 98.70): VN053288.D (-2570) (-)
Ion 100.00 (99.70 to 100.70): VN053288.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 227.339 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1892096

Ion Ratio Lower Upper

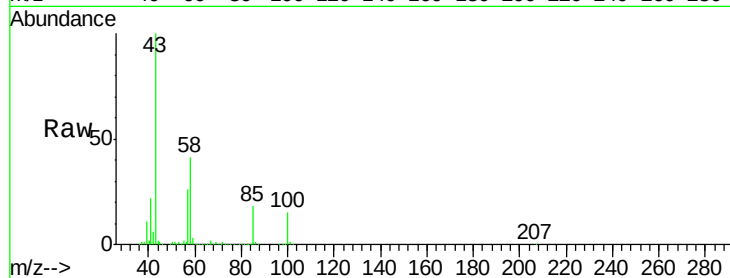
43 100

58 40.8 32.7 49.1

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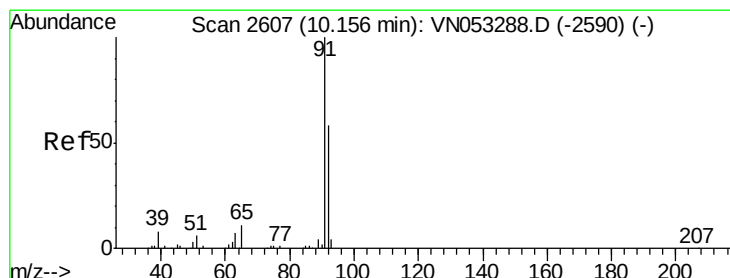
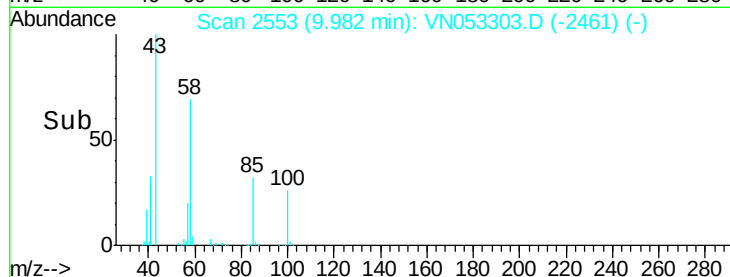
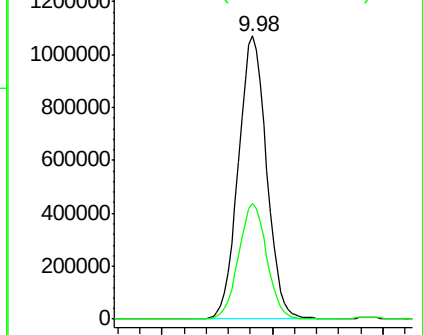
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.868 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN053303.D

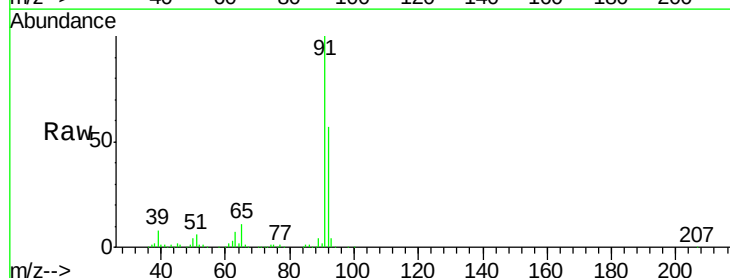
Acq: 7 Jan 2019 16:37

Tgt Ion: 92 Resp: 1231223

Ion Ratio Lower Upper

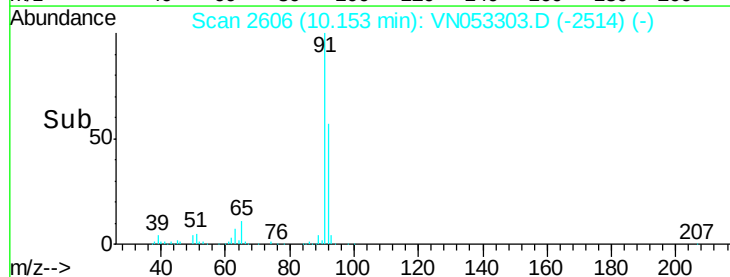
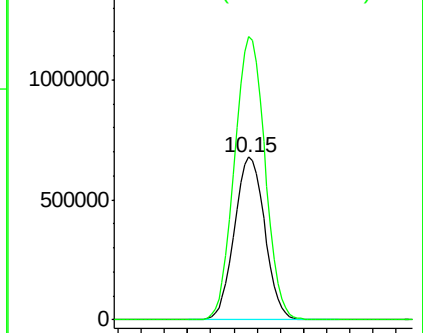
92 100

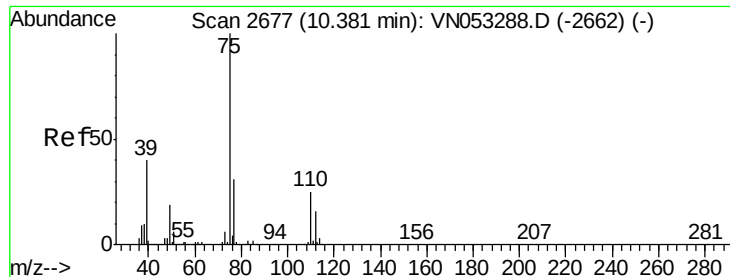
91 175.3 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 51.583 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 663465

Ion Ratio Lower Upper

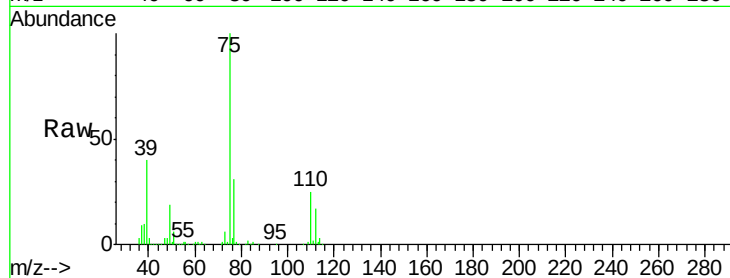
75 100

77 31.0 25.0 37.4

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

400000

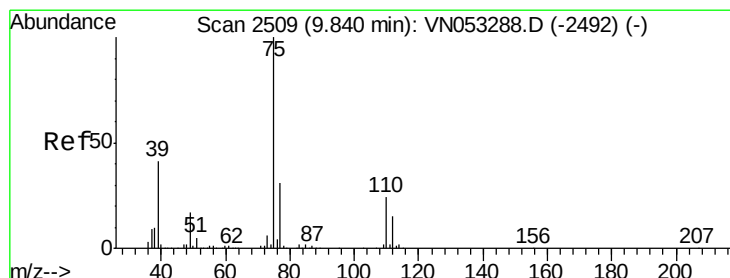
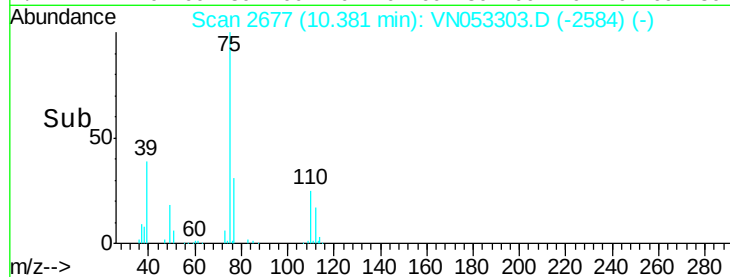
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.271 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

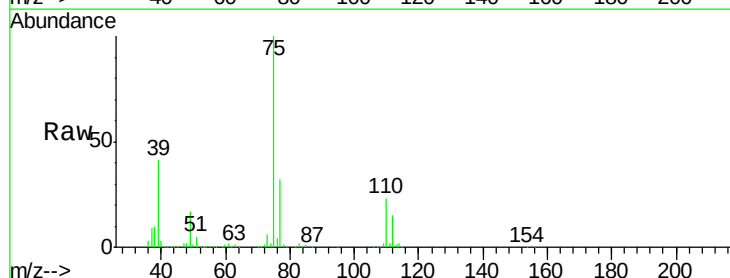
Tgt Ion: 75 Resp: 776899

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7

39 41.2 33.1 49.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

500000

400000

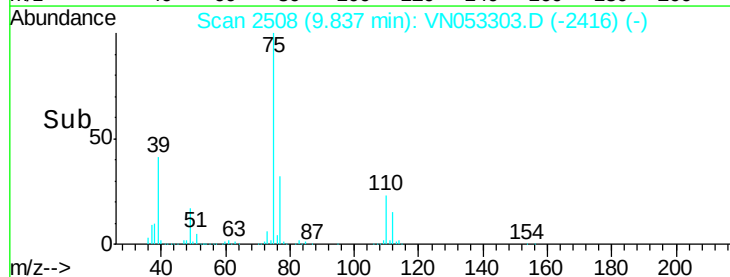
300000

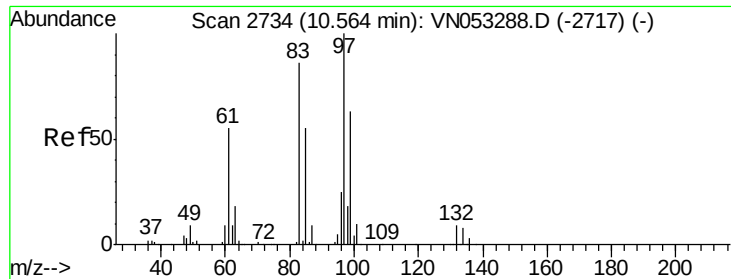
200000

100000

0

Time-->





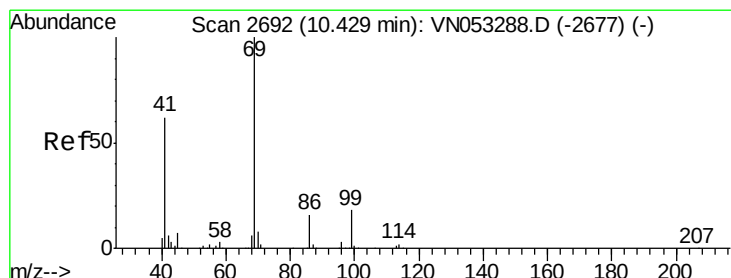
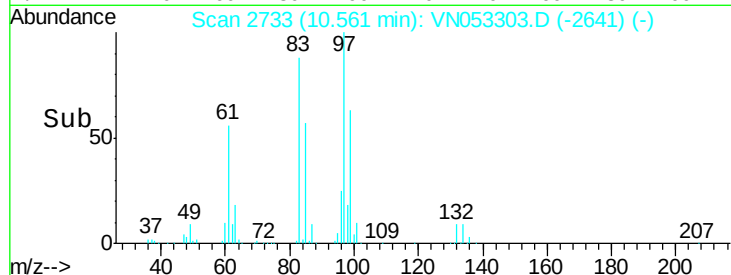
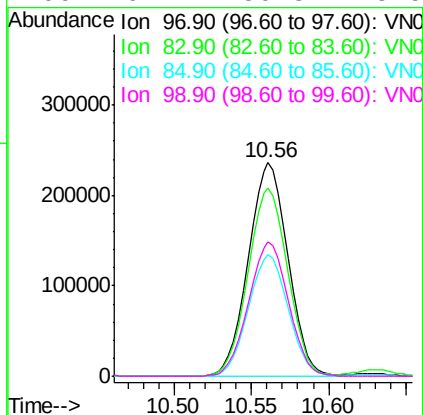
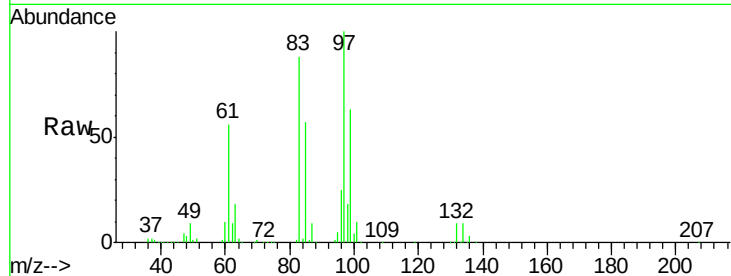
#55
 1,1,2-Trichloroethane
 Concen: 47.428 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.1	103.7
85	56.9	44.2	66.4
99	62.7	50.3	75.5

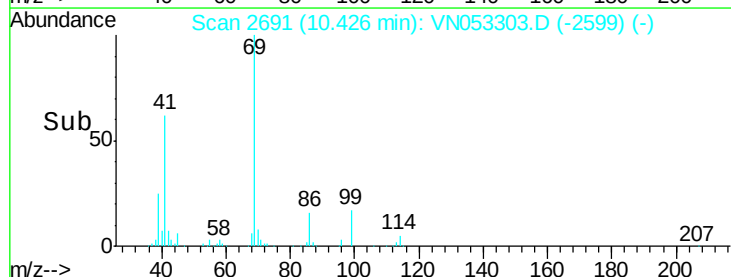
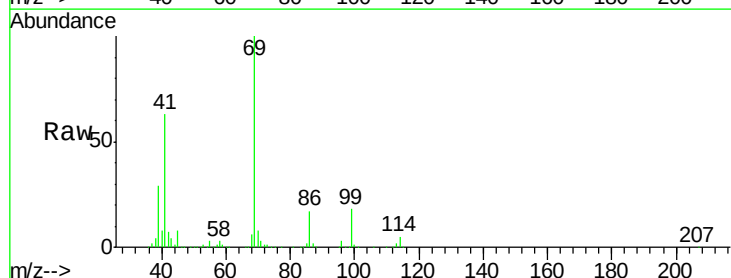
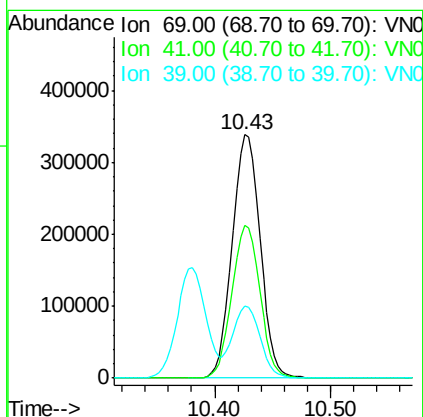
Manual Integrations
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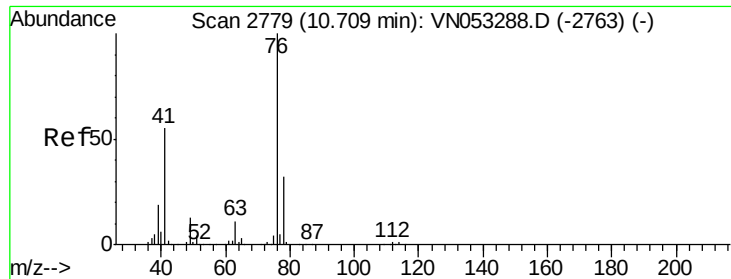
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#56
 Ethyl methacrylate
 Concen: 48.897 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.3	49.2	73.8
39	28.5	23.4	35.0





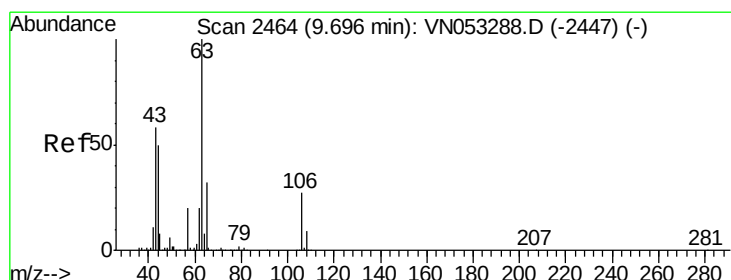
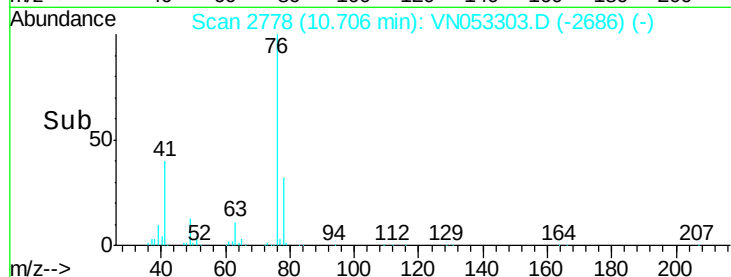
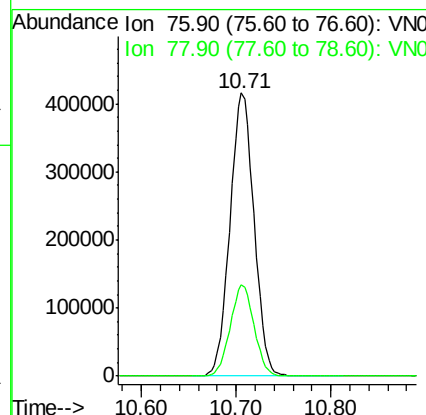
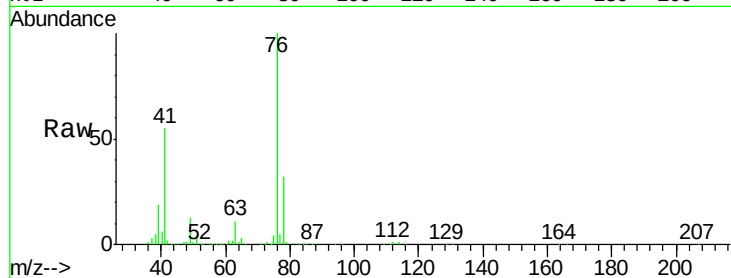
#57
 1,3-Dichloropropane
 Concen: 49.433 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 735720
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.8

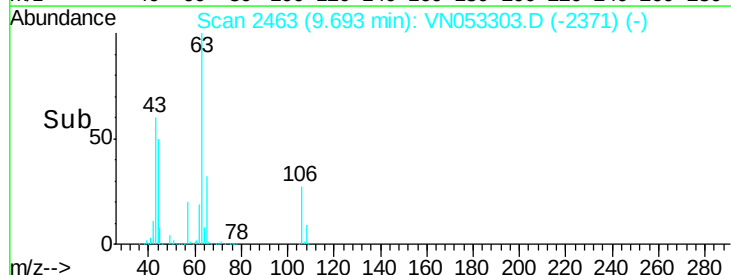
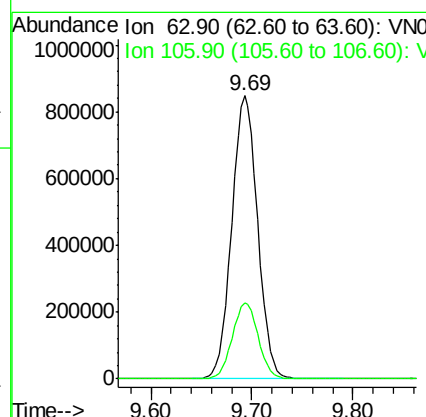
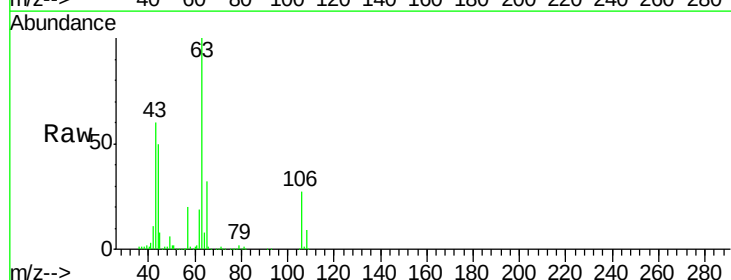
Manual Integrations
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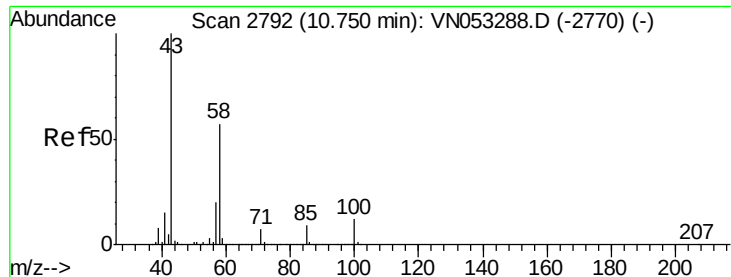
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#58
 2-Chloroethyl Vinyl ether
 Concen: 241.945 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion: 63 Resp: 1512769
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.7 32.5





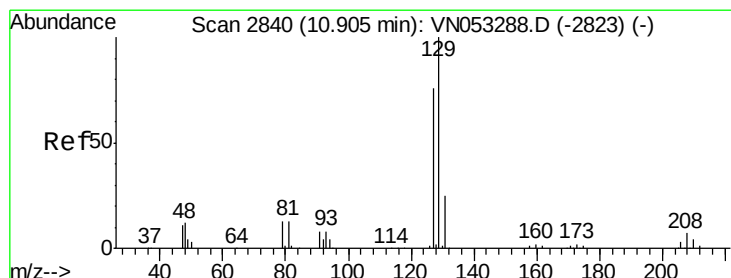
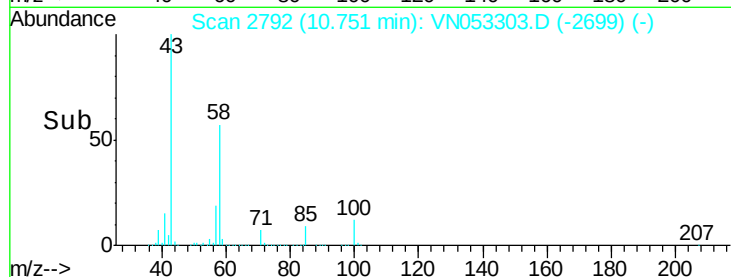
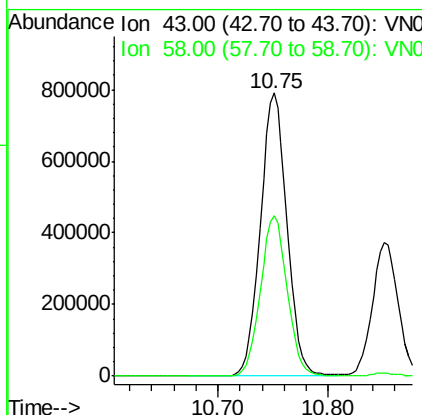
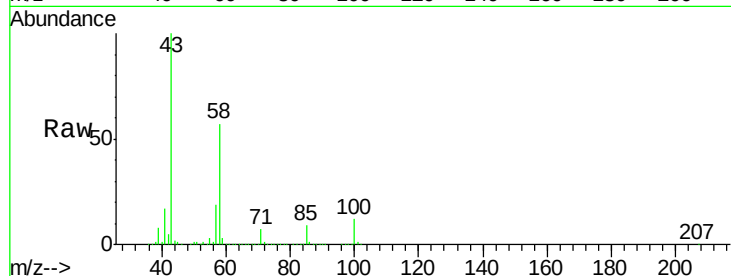
#59
2-Hexanone
Concen: 230.724 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1315695
Ion Ratio Lower Upper
43 100
58 57.3 28.3 85.0

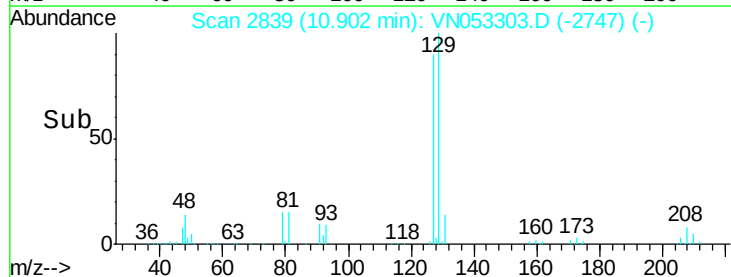
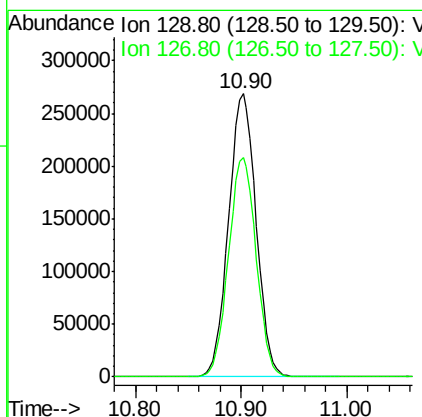
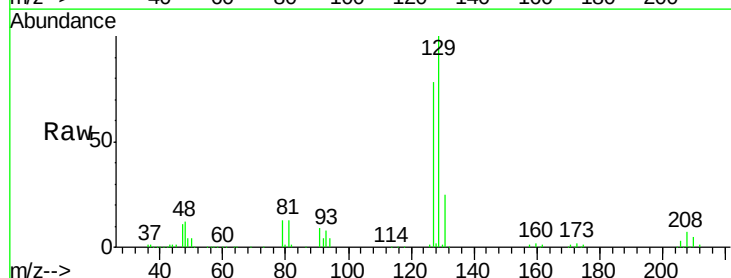
Manual Integrations
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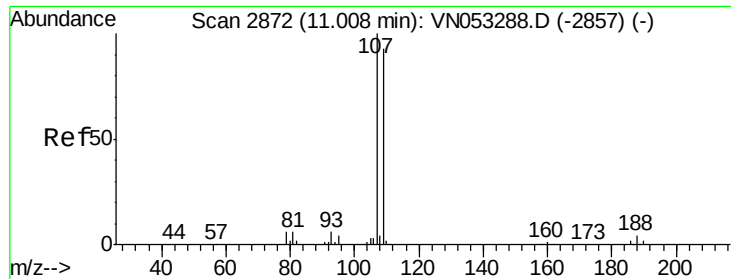
MMDadoda
1/8/2019 9:25:21 AM



#60
Dibromochloromethane
Concen: 50.566 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion: 129 Resp: 485397
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.2





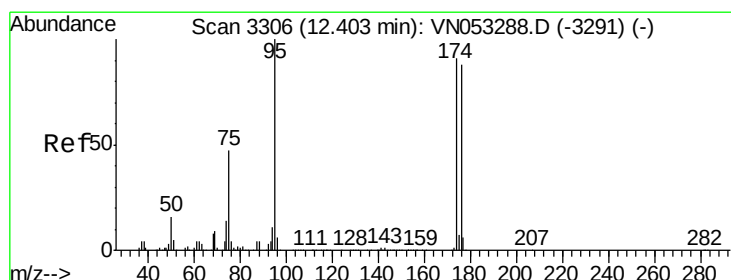
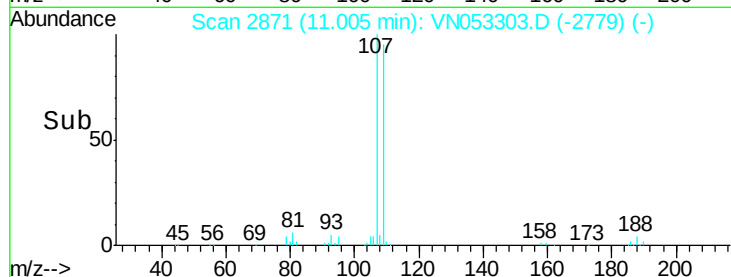
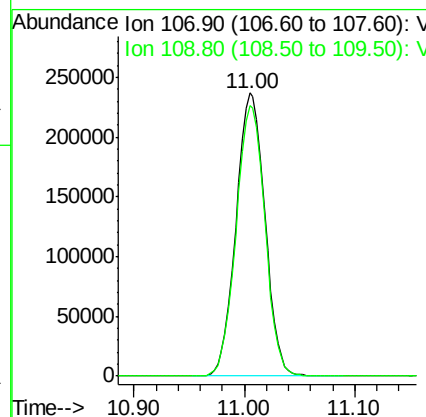
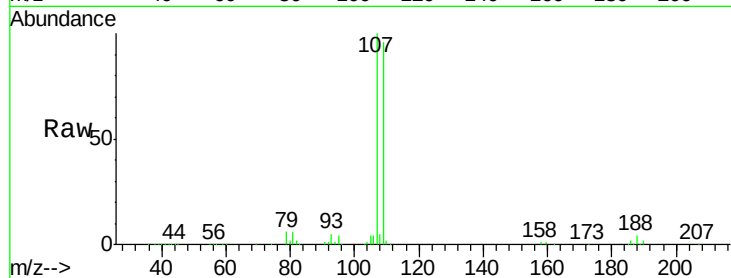
#61
 1,2-Dibromoethane
 Concen: 48.886 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.0	112.6

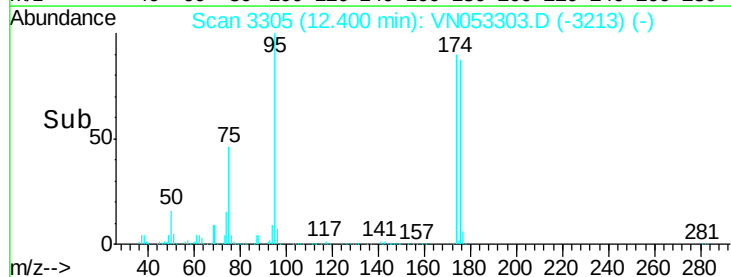
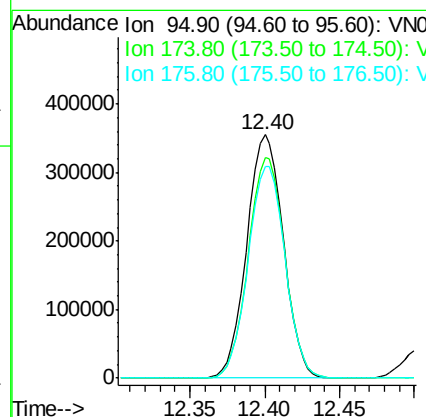
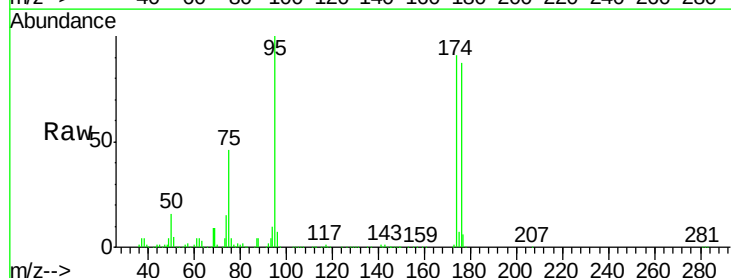
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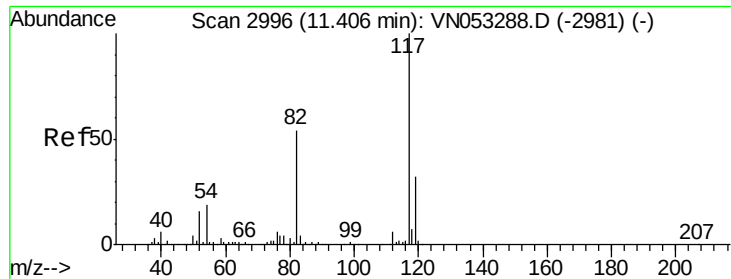
MMDadoda
 1/8/2019 9:25:21 AM



#62
 4-Bromofluorobenzene
 Concen: 48.886 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	180.4
176	87.9	0.0	175.6





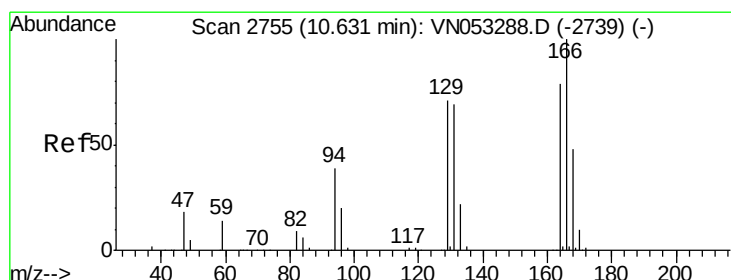
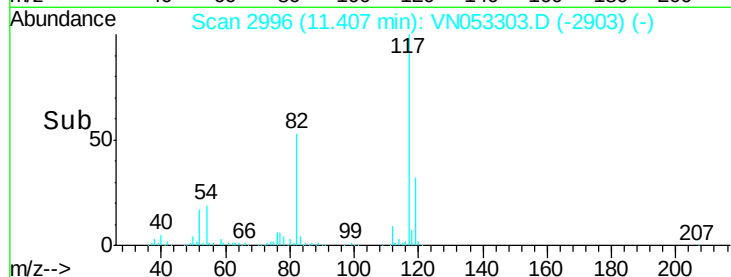
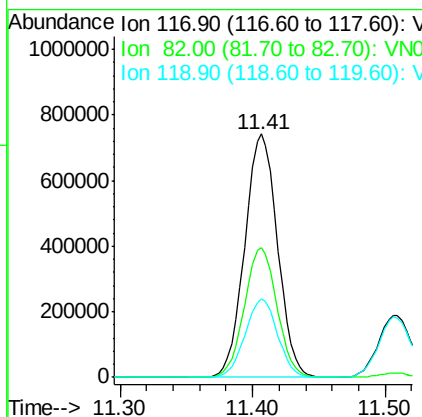
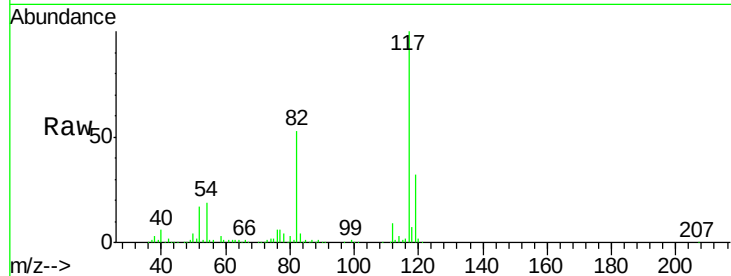
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1270078
Ion Ratio Lower Upper
117 100
82 53.5 42.9 64.3
119 32.2 25.6 38.4

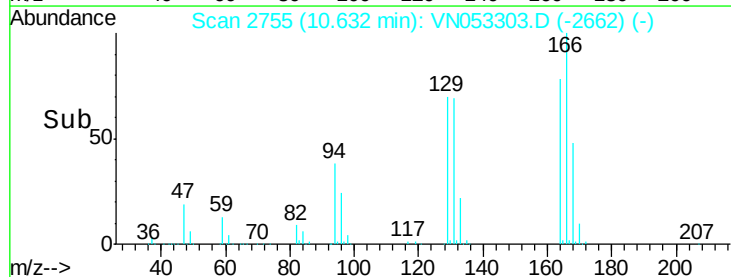
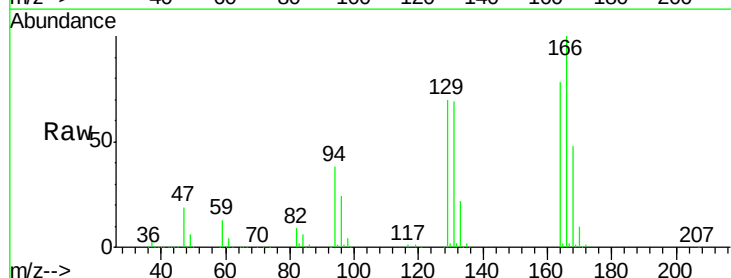
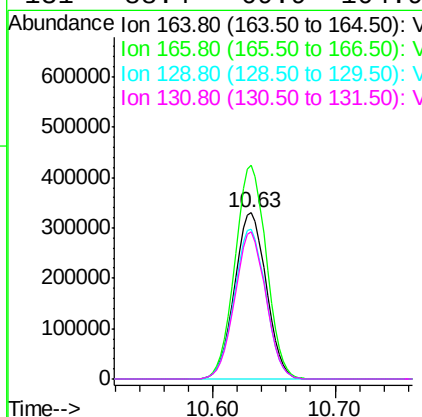
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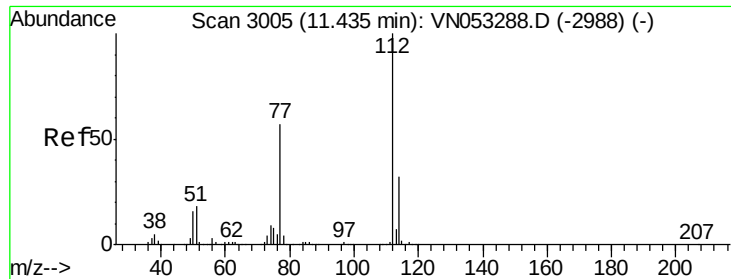
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#64
Tetrachloroethene
Concen: 49.629 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion:164 Resp: 593260
Ion Ratio Lower Upper
164 100
166 128.6 101.7 152.5
129 90.2 72.1 108.1
131 88.4 69.9 104.9





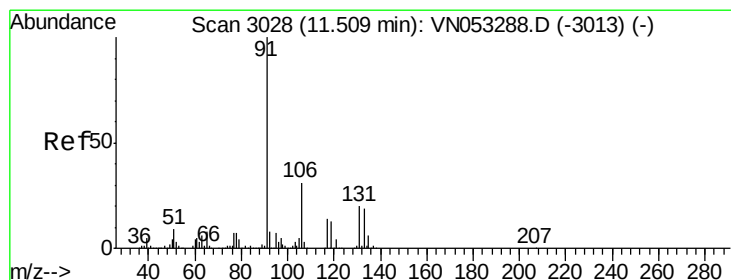
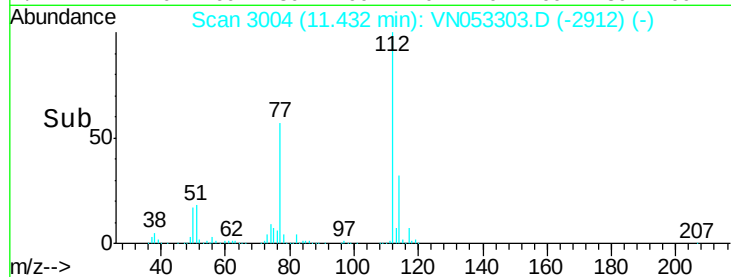
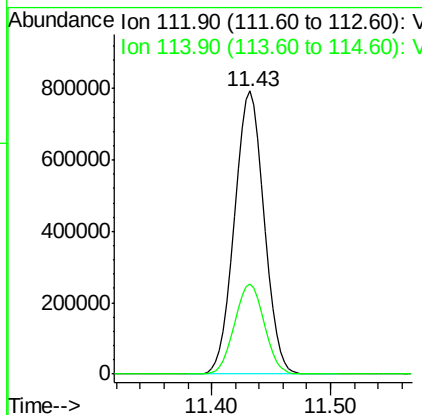
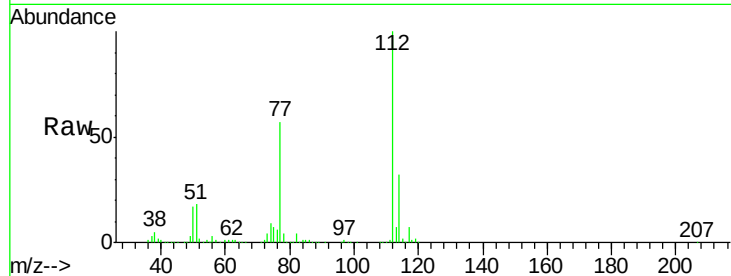
#65
Chlorobenzene
Concen: 49.556 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1367289
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

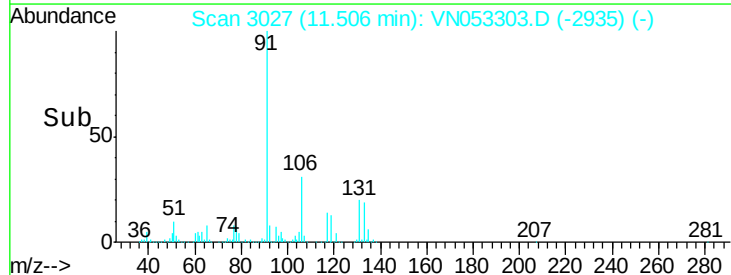
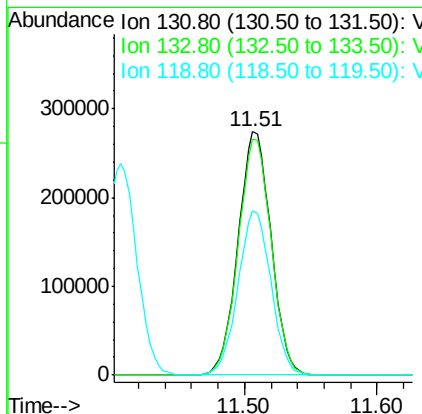
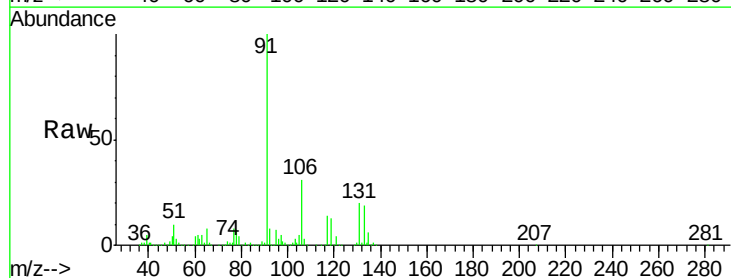
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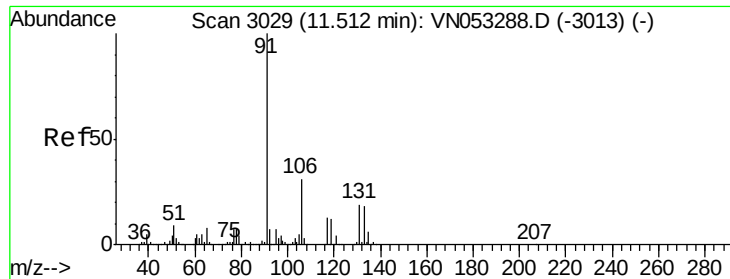
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.974 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion:131 Resp: 472949
Ion Ratio Lower Upper
131 100
133 97.4 48.0 144.0
119 67.4 33.3 99.9





#67

Ethyl Benzene

Concen: 51.247 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 2402603

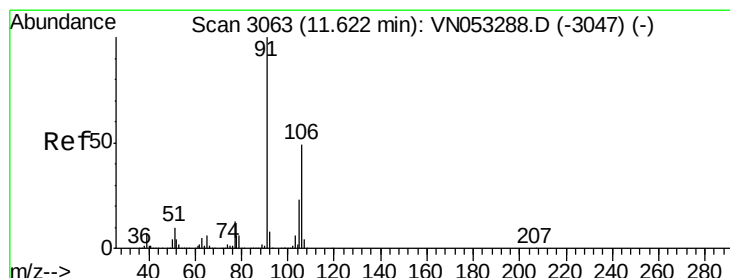
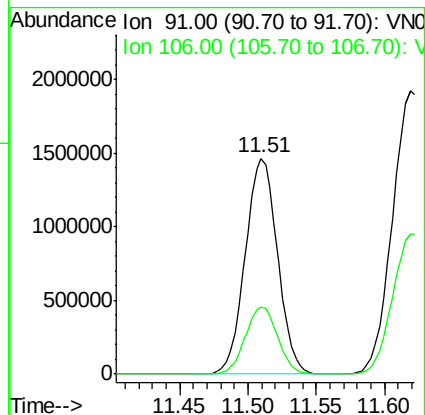
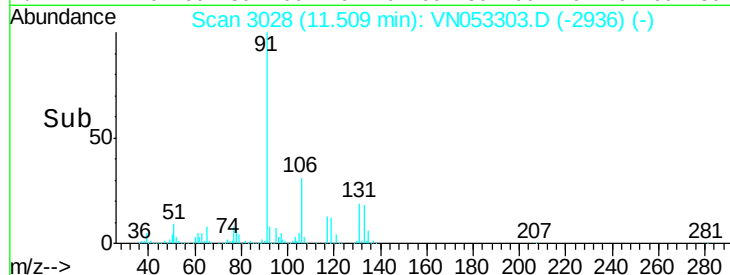
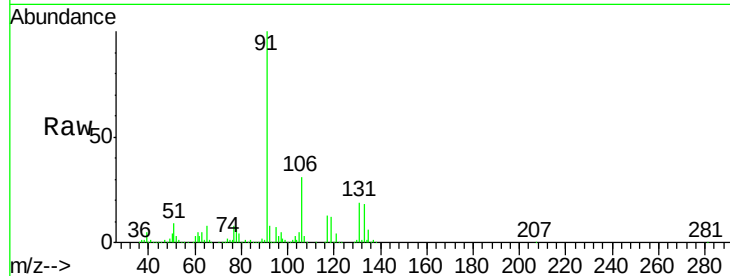
Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 104.448 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053303.D

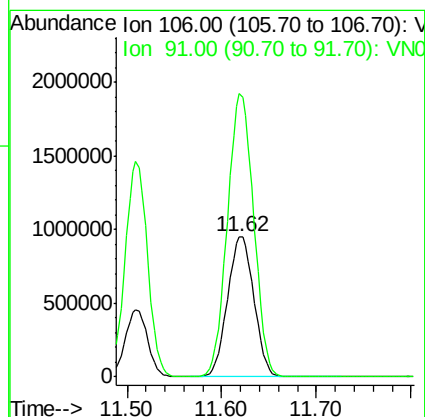
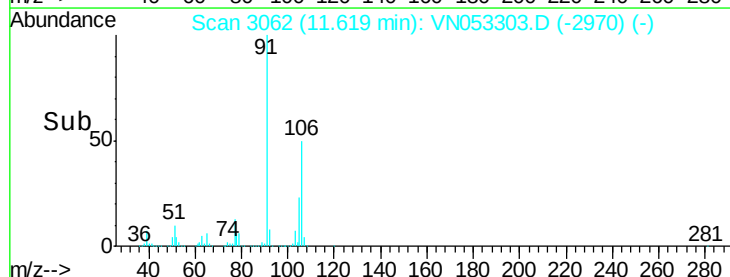
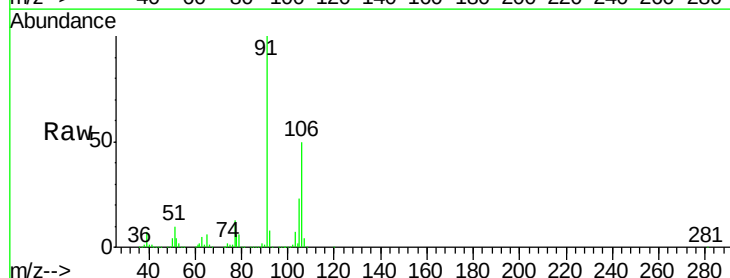
Acq: 7 Jan 2019 16:37

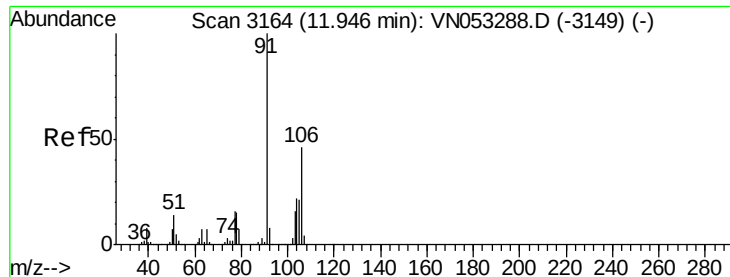
Tgt Ion: 106 Resp: 1841346

Ion Ratio Lower Upper

106 100

91 201.1 161.4 242.2





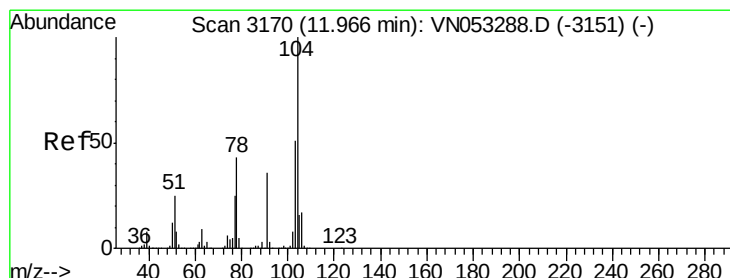
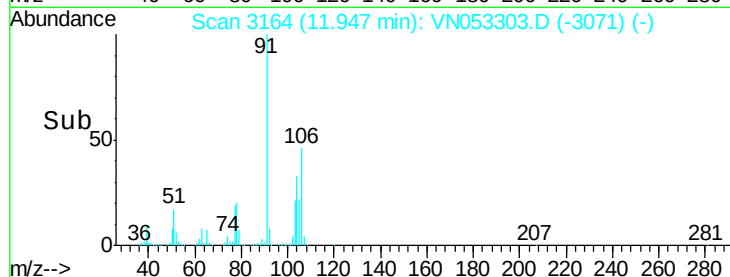
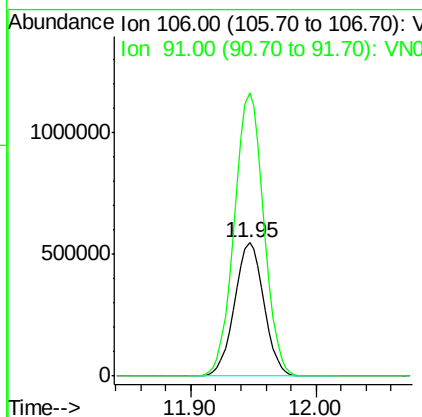
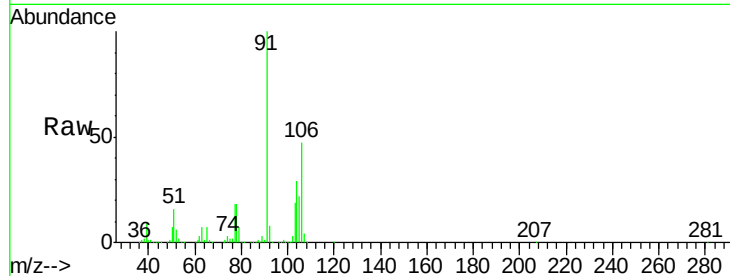
#69
o-Xylene
Concen: 51.581 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 890243
Ion Ratio Lower Upper
106 100
91 212.6 106.8 320.4

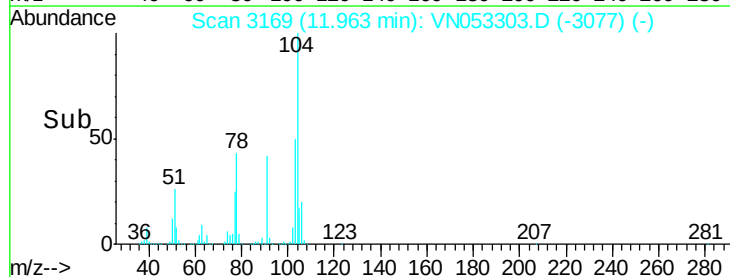
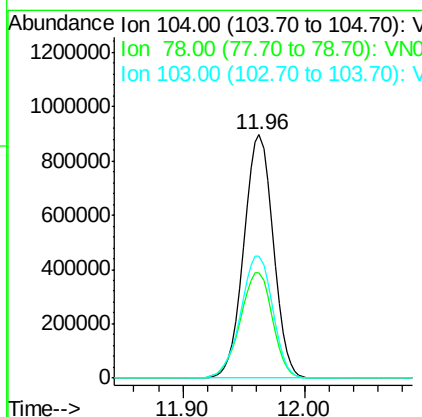
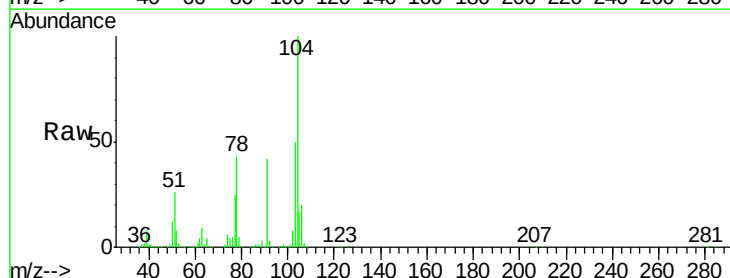
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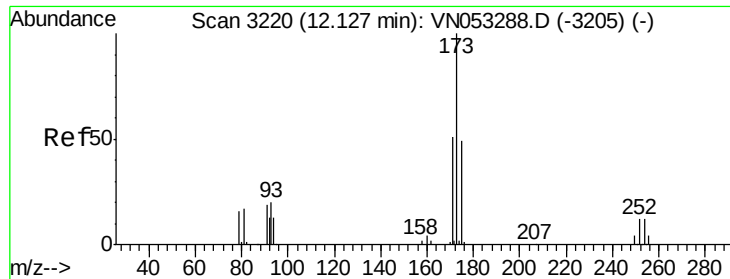
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#70
Styrene
Concen: 52.779 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion:104 Resp: 1482542
Ion Ratio Lower Upper
104 100
78 47.9 38.5 57.7
103 54.9 44.5 66.7





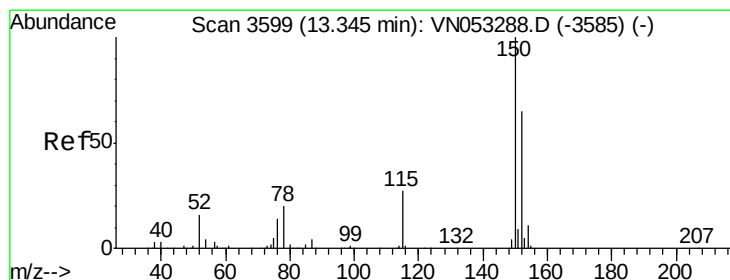
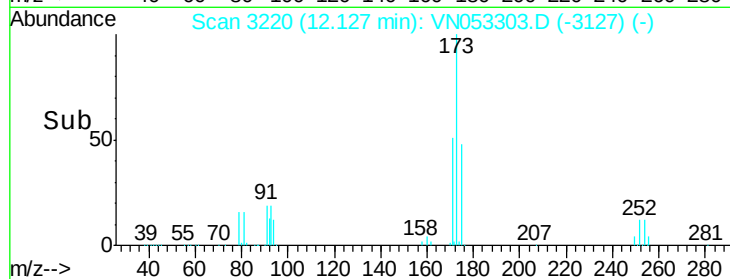
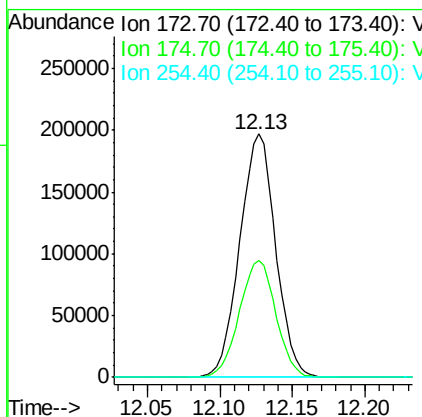
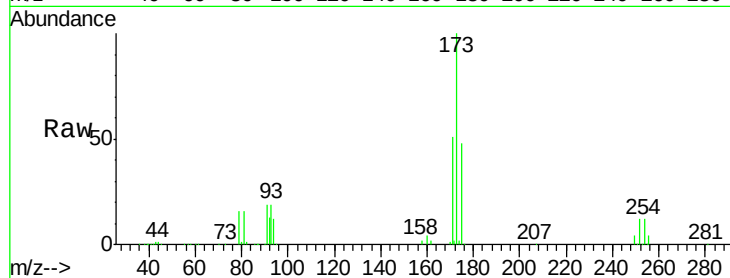
#71
Bromoform
Concen: 49.581 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.2	0.2	0.2

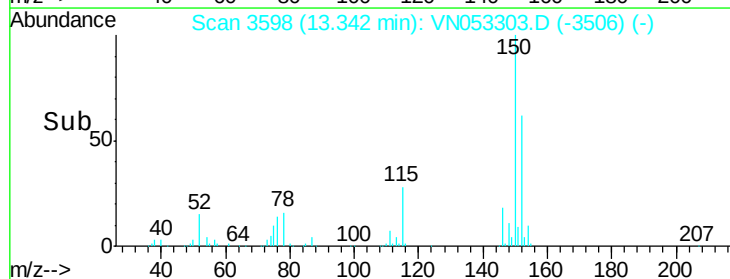
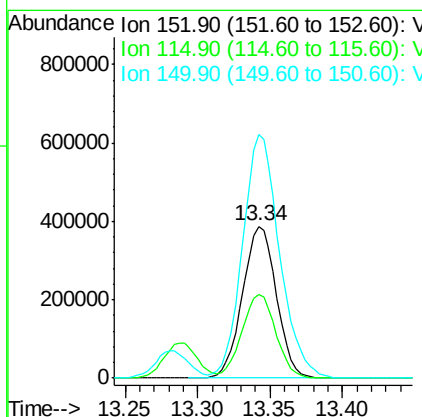
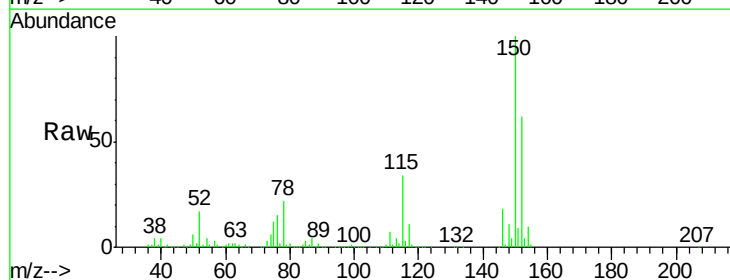
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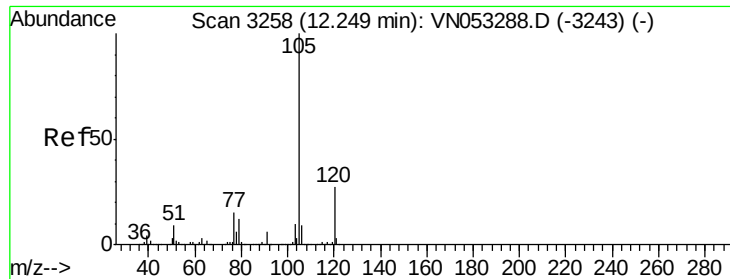
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	28.0	84.0
150	175.0	0.0	346.6





#73

Isopropylbenzene

Concen: 50.534 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2362532

Ion Ratio Lower Upper

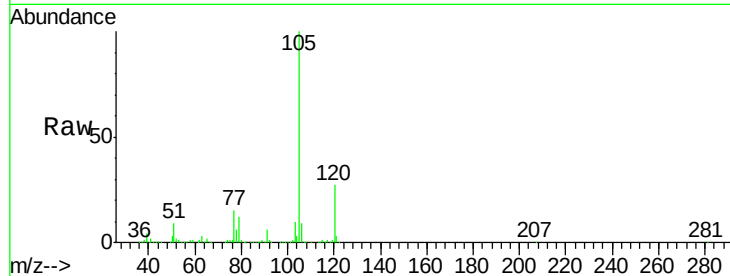
105 100

120 26.9 13.4 40.2

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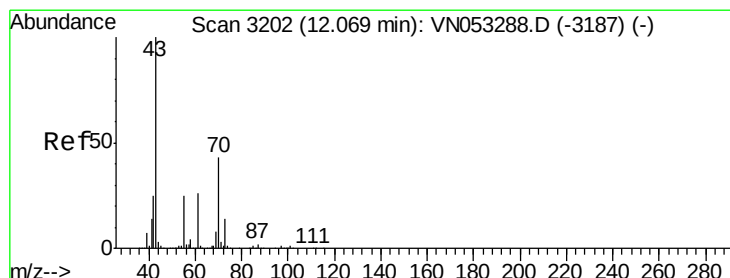
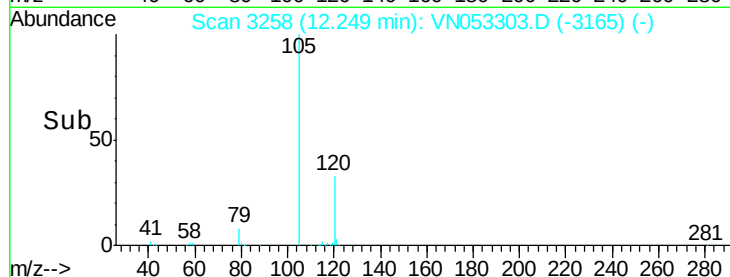
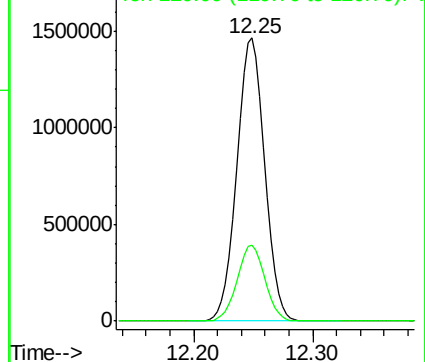
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.030 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Tgt Ion: 43 Resp: 656548

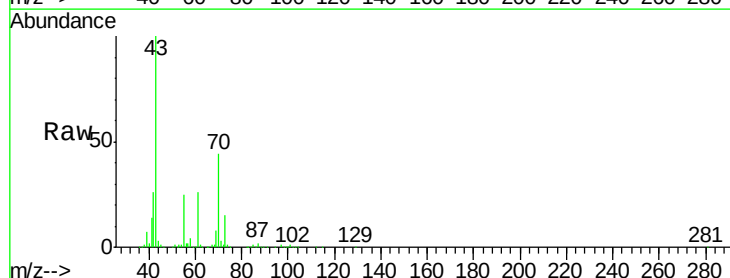
Ion Ratio Lower Upper

43 100

70 43.8 35.0 52.6

55 25.1 20.0 30.0

61 25.3 20.3 30.5

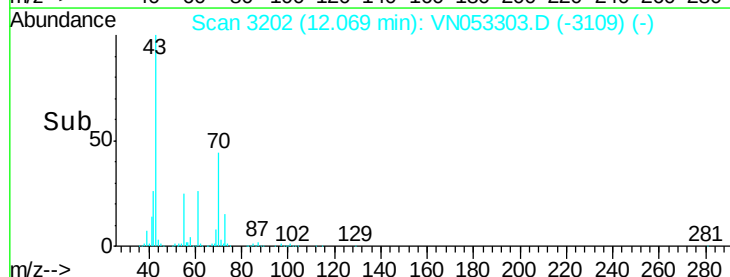
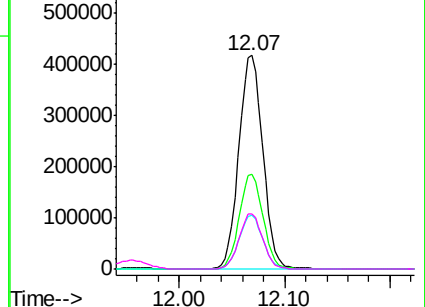


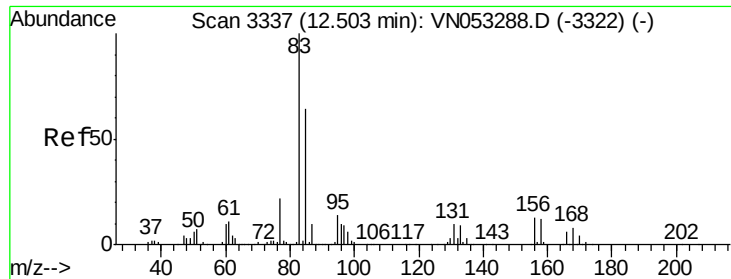
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 44.324 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

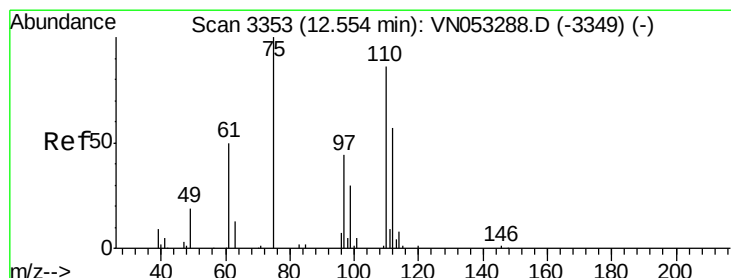
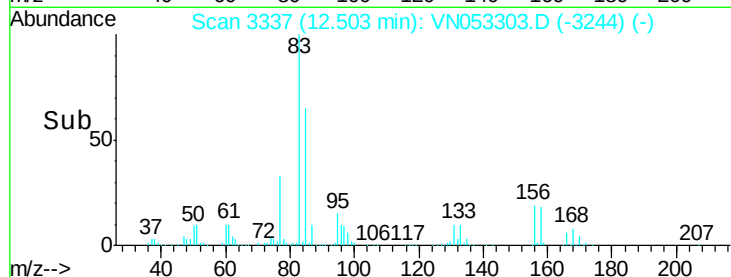
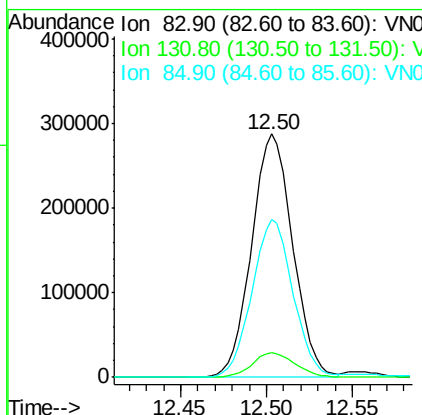
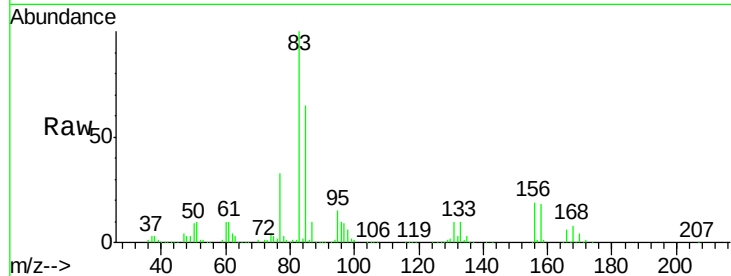
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	476675
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	64.5	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 49.397 ug/l m

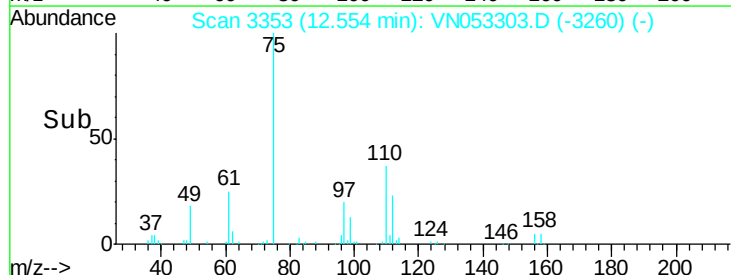
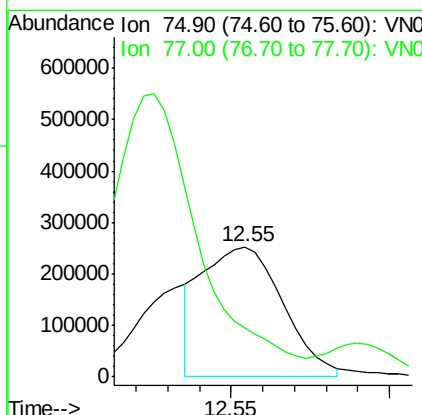
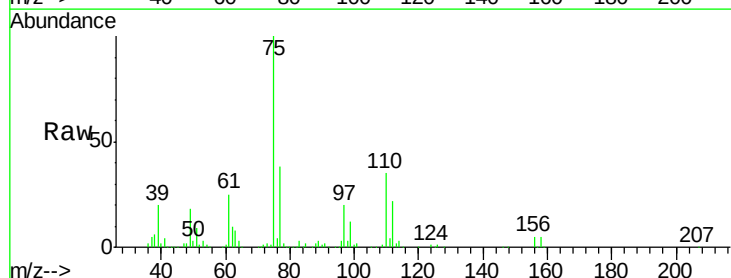
RT: 12.55 min Scan# 3353

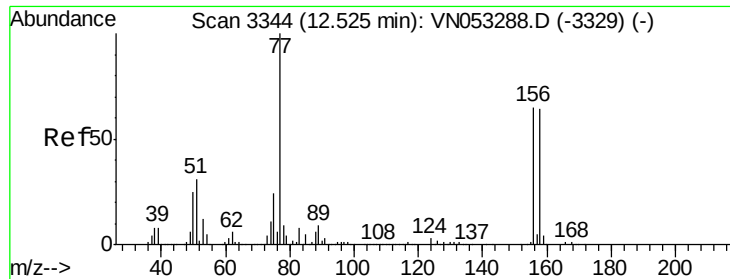
Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Tgt Ion:	75	Resp:	452410
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.179 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

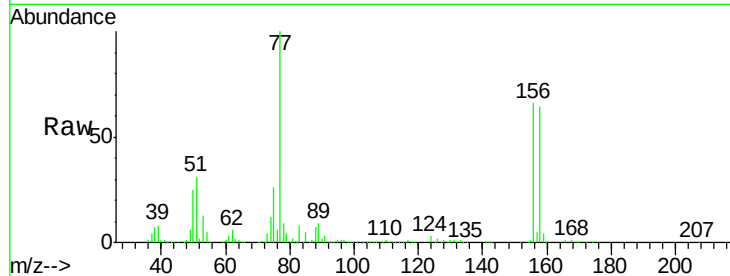
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	176.8	89.3	268.1
158	97.3	48.9	146.8

Manual Integrations
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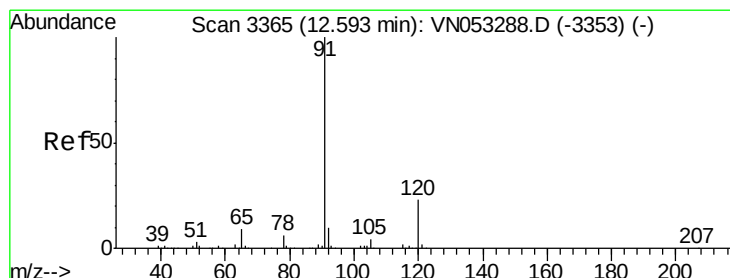
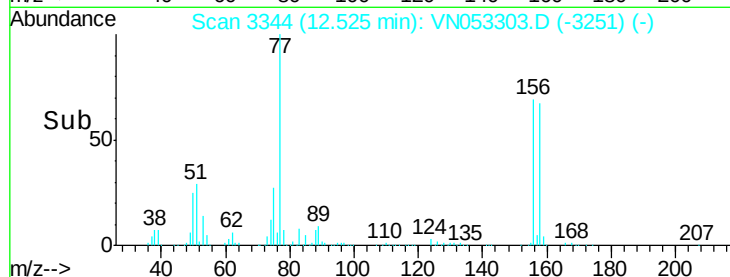
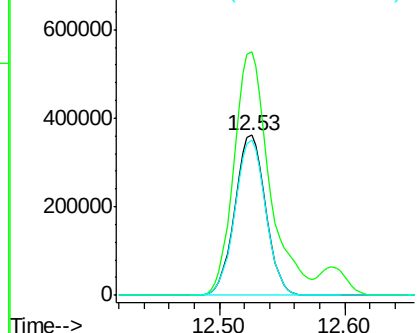
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.193 ug/l

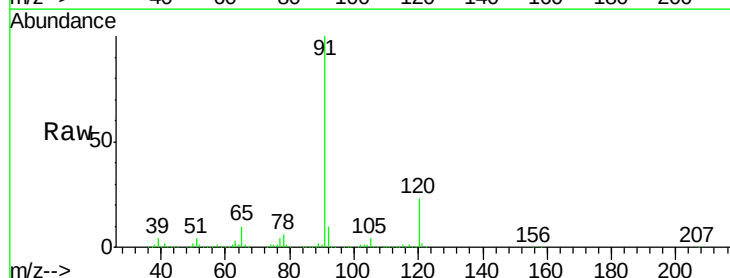
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053303.D

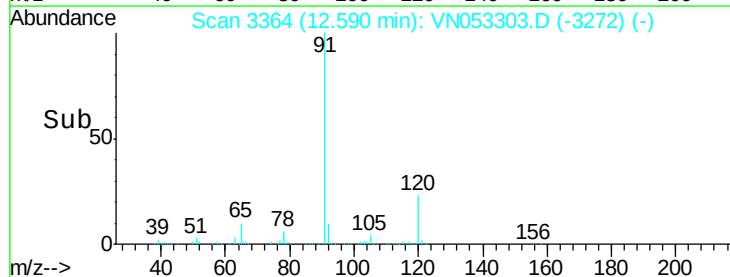
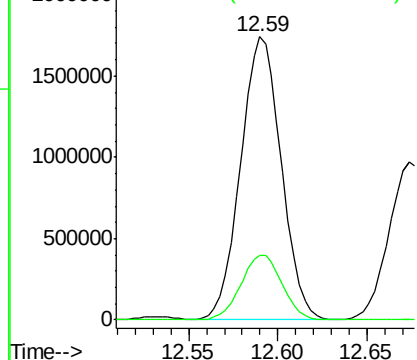
Acq: 7 Jan 2019 16:37

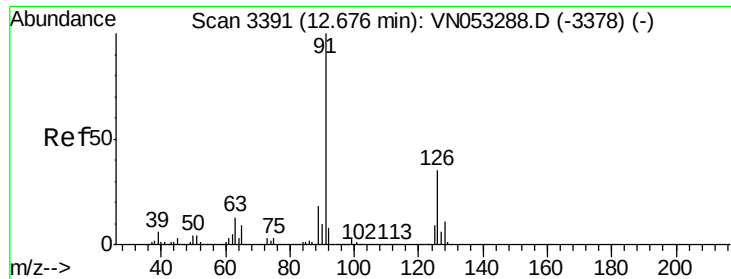
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.080 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1602493

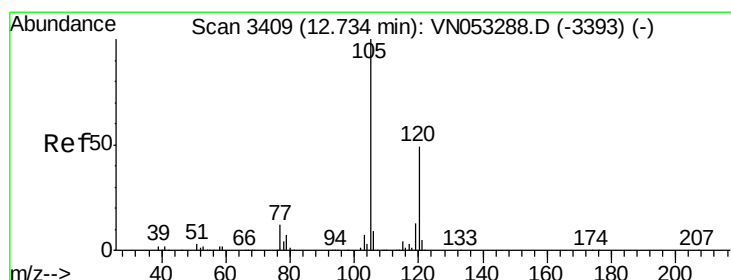
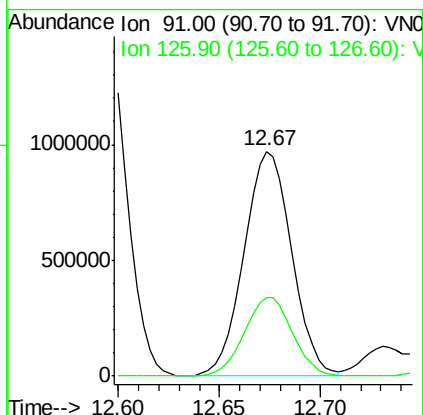
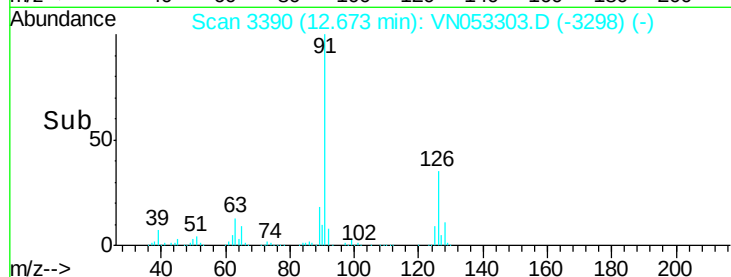
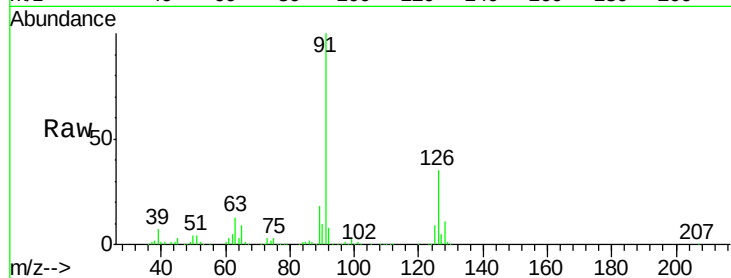
Ion Ratio Lower Upper

91 100

126 35.4 17.5 52.5

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#80

1,3,5-Trimethylbenzene

Concen: 51.836 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053303.D

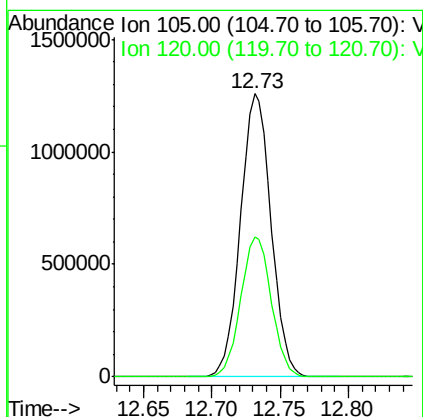
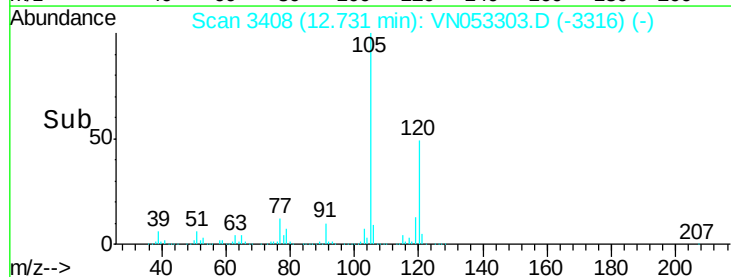
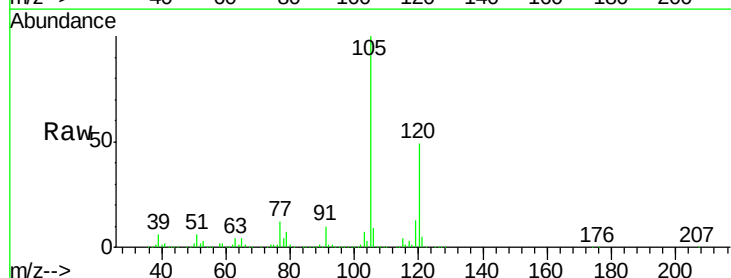
Acq: 7 Jan 2019 16:37

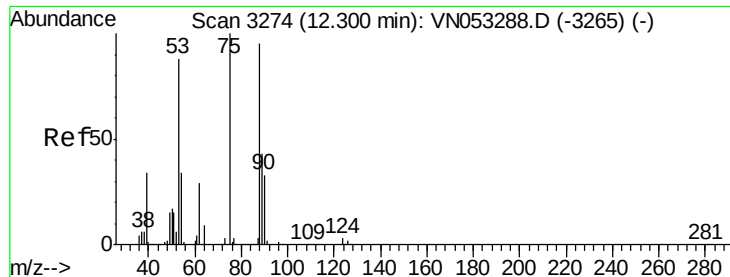
Tgt Ion:105 Resp: 1952026

Ion Ratio Lower Upper

105 100

120 49.5 24.7 74.1





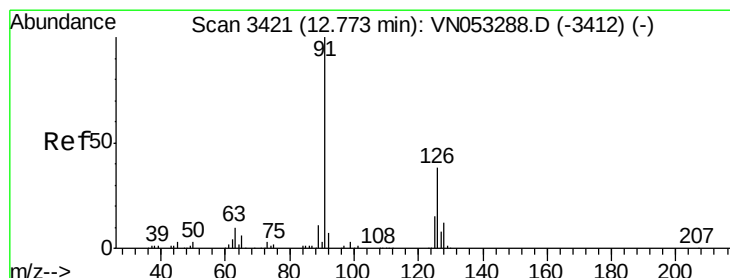
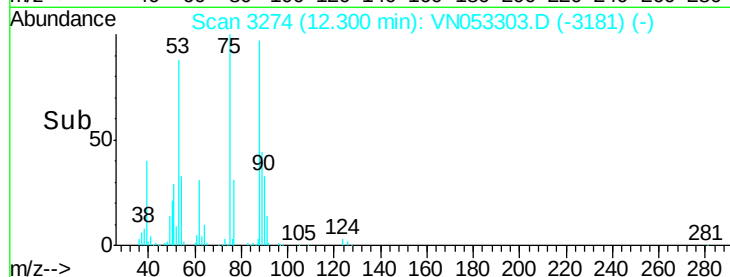
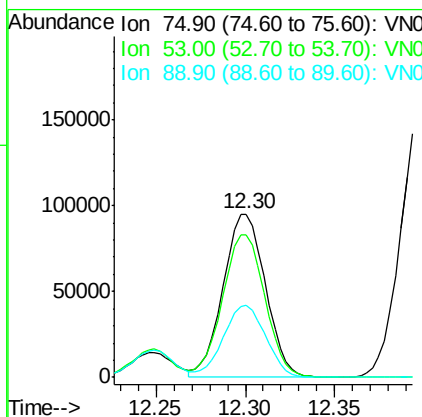
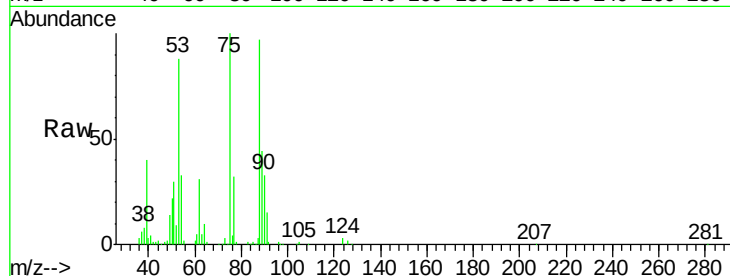
#81
trans-1,4-Dichloro-2-butene
Concen: 50.495 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.5	70.5	105.7
89	43.8	35.4	53.0

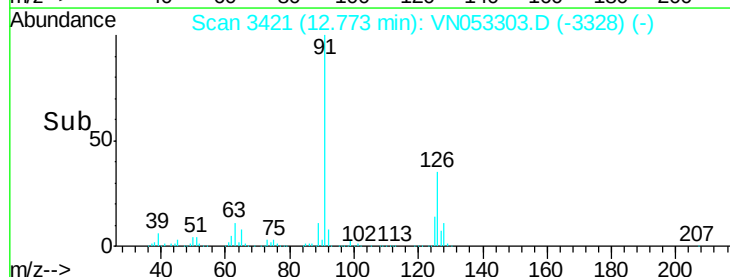
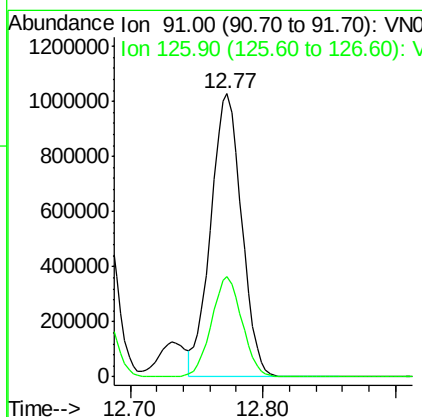
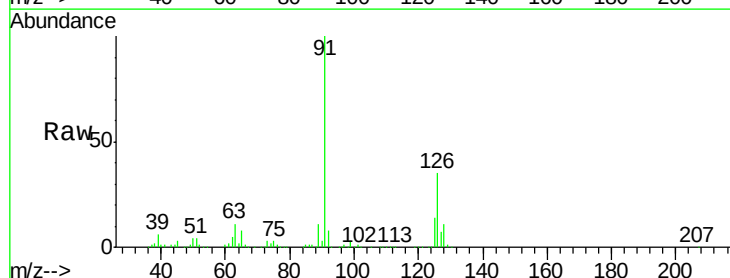
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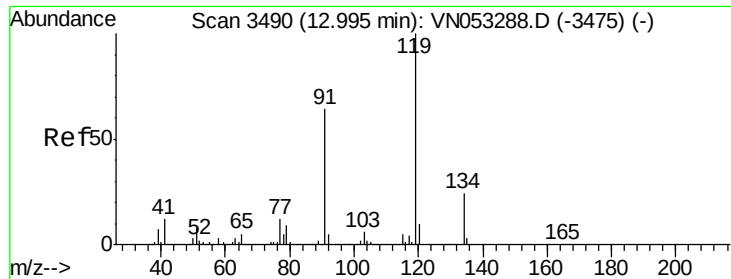
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#82
4-Chlorotoluene
Concen: 50.658 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.4	52.2





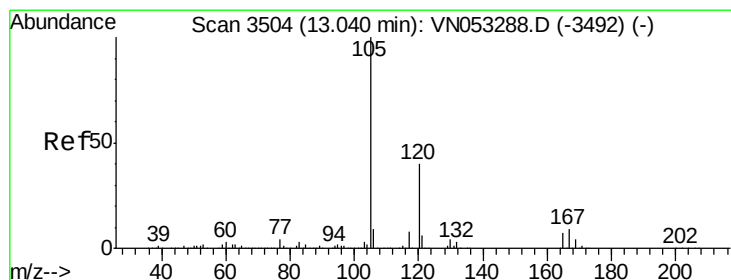
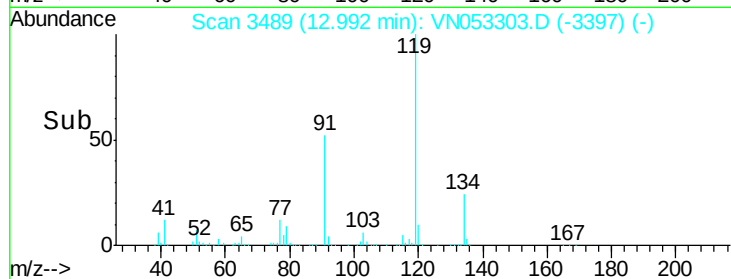
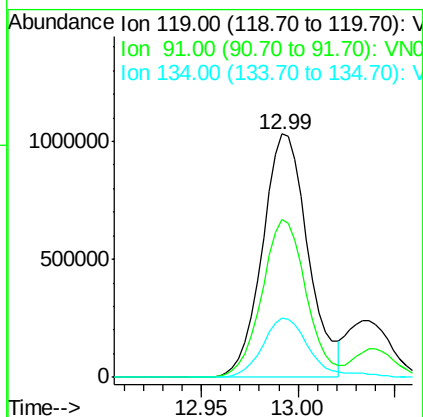
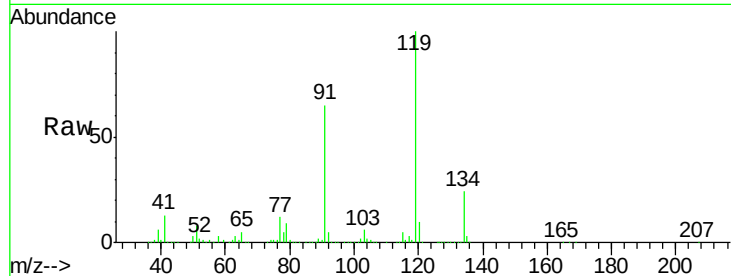
#83
tert-Butylbenzene
Concen: 51.449 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1699869
Ion Ratio Lower Upper
119 100
91 62.5 31.6 95.0
134 25.3 12.9 38.6

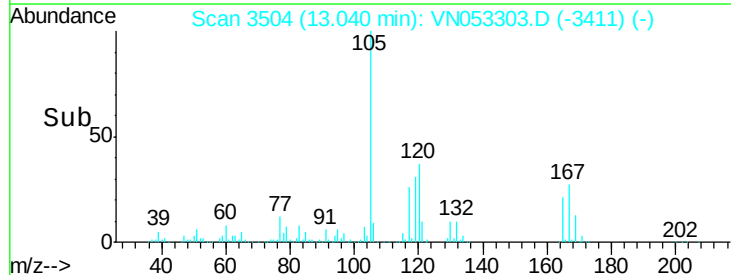
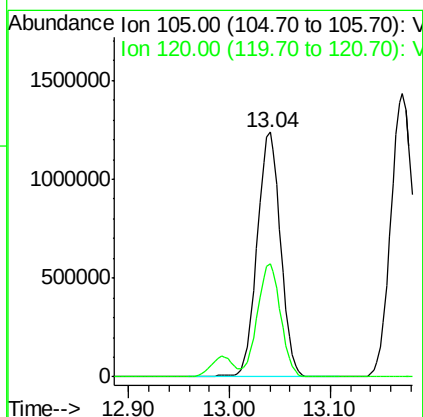
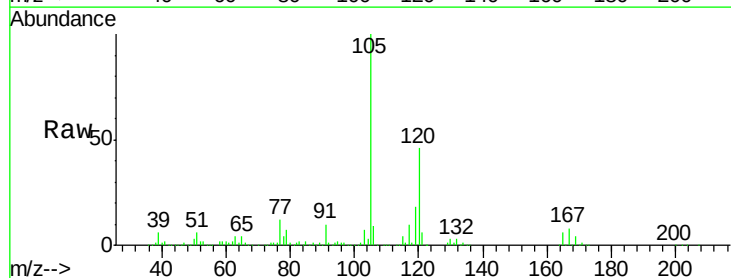
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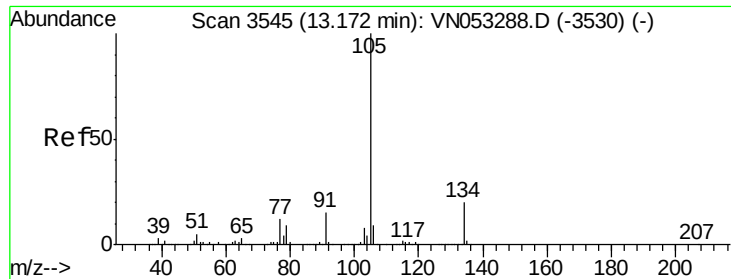
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#84
1,2,4-Trimethylbenzene
Concen: 51.644 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion:105 Resp: 1981291
Ion Ratio Lower Upper
105 100
120 45.8 23.0 69.0





#85

sec-Butylbenzene

Concen: 52.364 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2281688

Ion Ratio Lower Upper

105 100

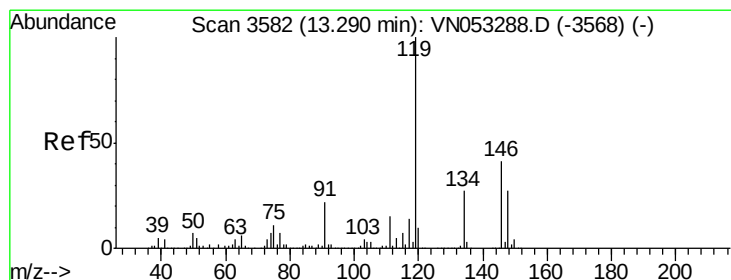
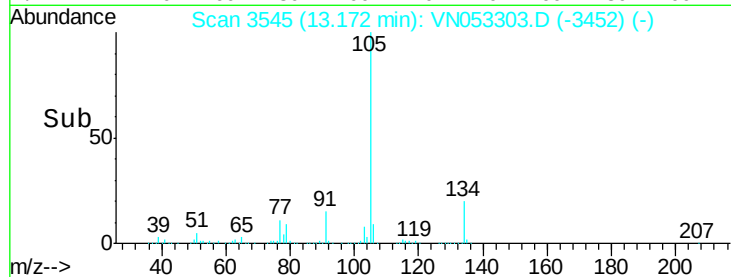
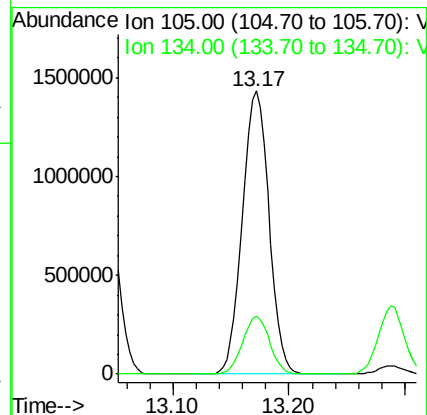
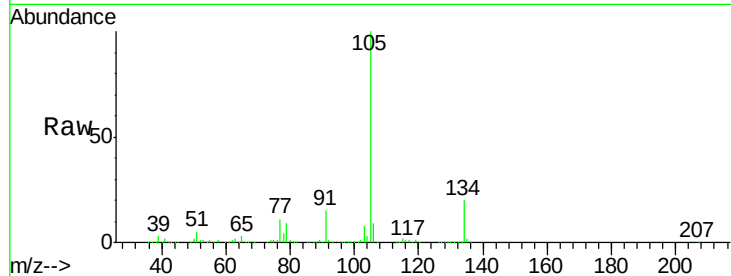
134 20.5 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.935 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

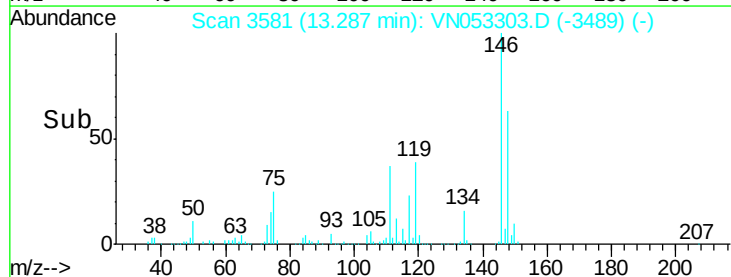
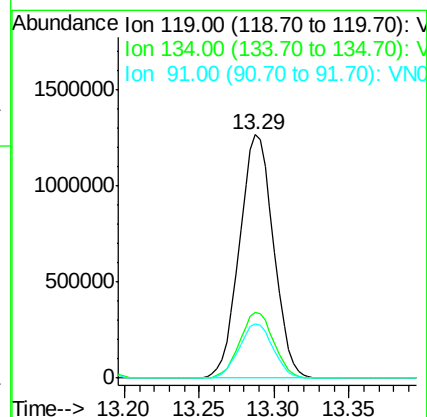
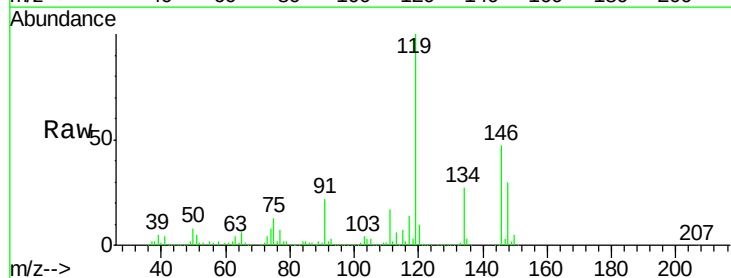
Tgt Ion:119 Resp: 1997049

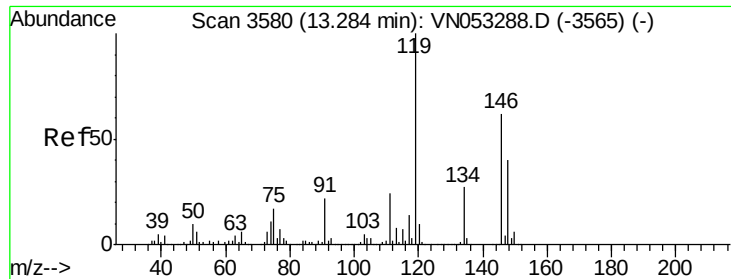
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 22.2 11.1 33.1





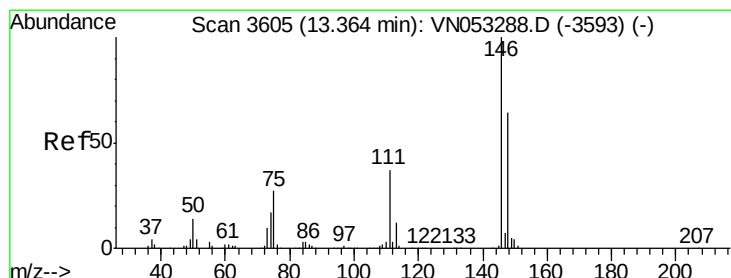
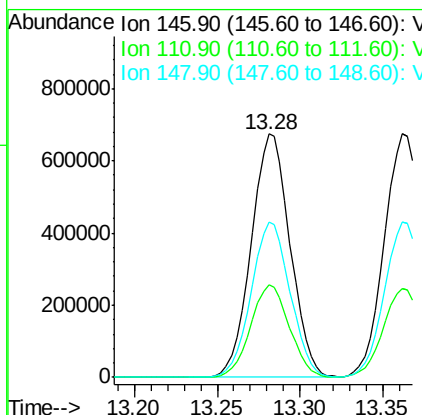
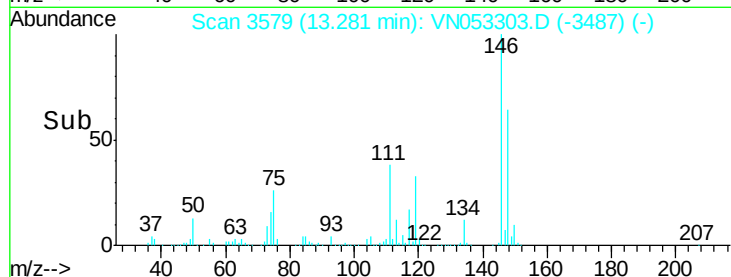
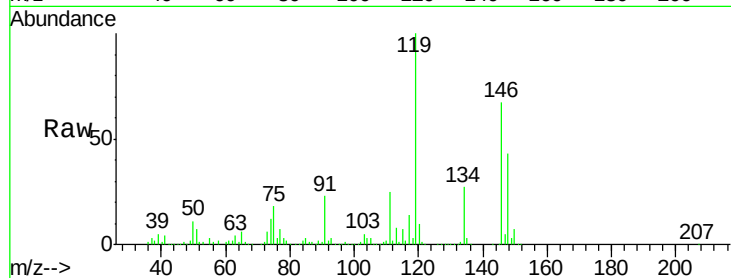
#87
 1,3-Dichlorobenzene
 Concen: 50.000 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 1098658
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.9 56.5
 148 63.9 32.0 96.2

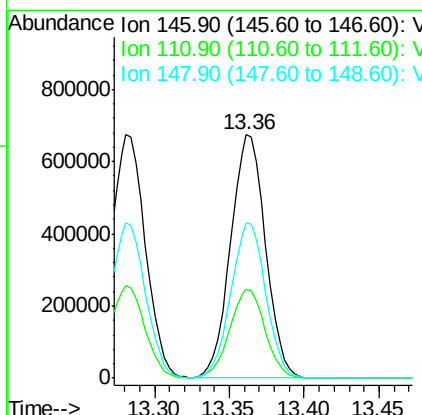
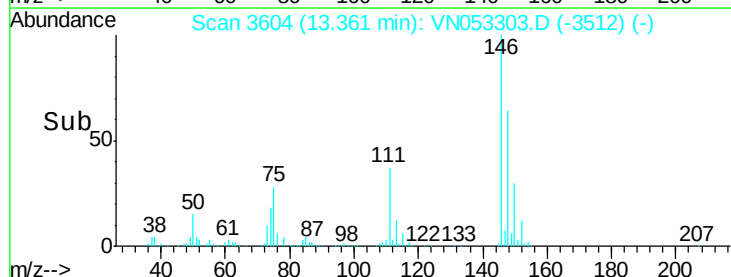
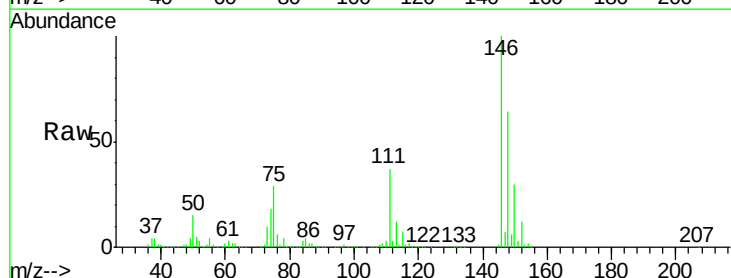
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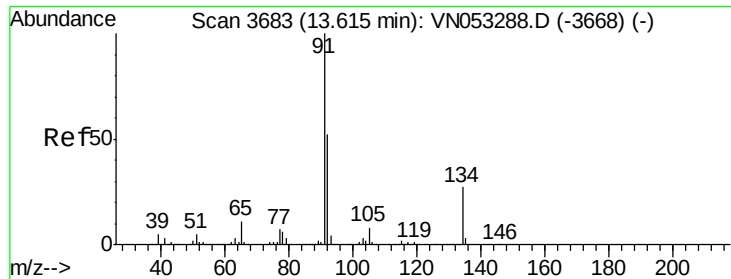
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#88
 1,4-Dichlorobenzene
 Concen: 50.180 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion:146 Resp: 1093785
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.6 55.8
 148 63.8 32.0 96.0





#89

n-Butylbenzene

Concen: 53.411 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1689388

Ion Ratio Lower Upper

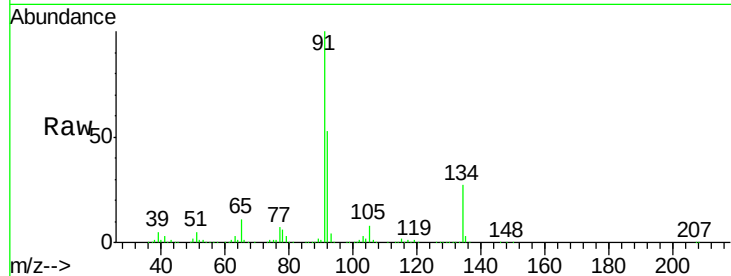
91 100

92 52.4 26.3 78.8

134 27.1 13.5 40.5

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Abundance Ion 91.00 (90.70 to 91.70): VN053288.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053288.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053288.D (-3668) (-)

13.61

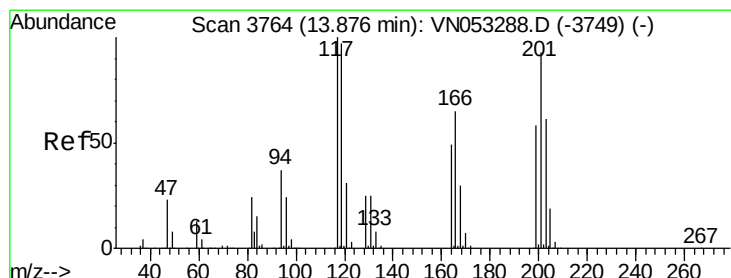
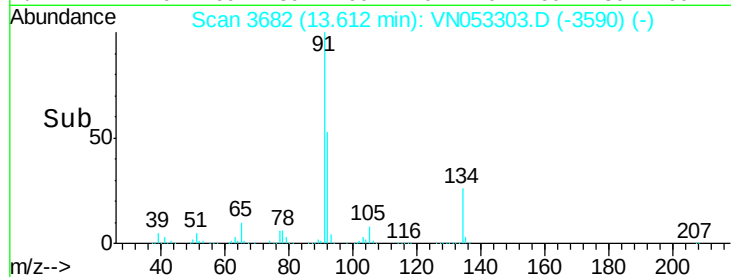
1000000

500000

0

13.60 13.70

Time-->



#90

Hexachloroethane

Concen: 53.231 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053303.D

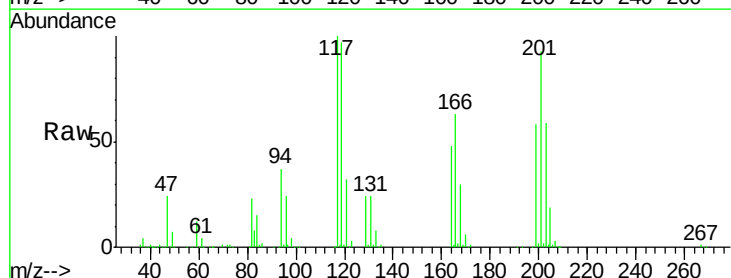
Acq: 7 Jan 2019 16:37

Tgt Ion: 117 Resp: 321880

Ion Ratio Lower Upper

117 100

201 93.9 46.1 138.3



Abundance Ion 116.80 (116.50 to 117.50): VN053288.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053288.D (-3749) (-)

13.87

200000

150000

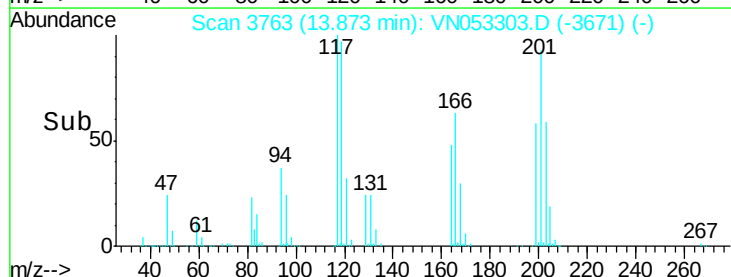
100000

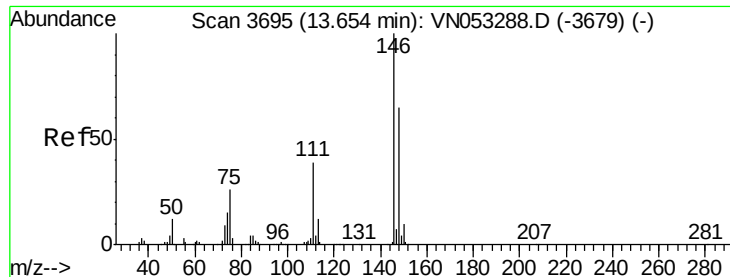
50000

0

13.80 13.85 13.90 13.95

Time-->





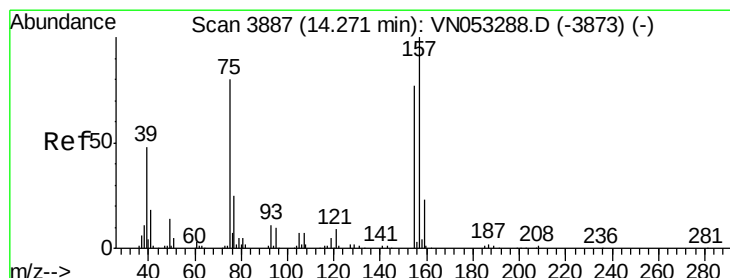
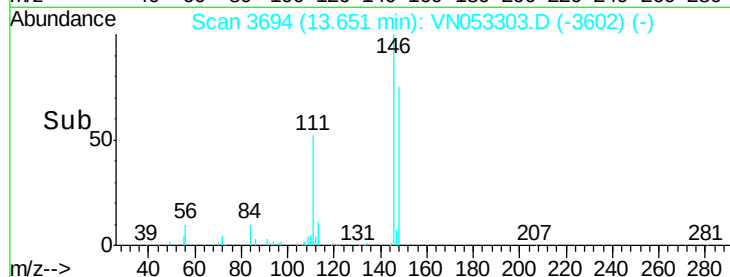
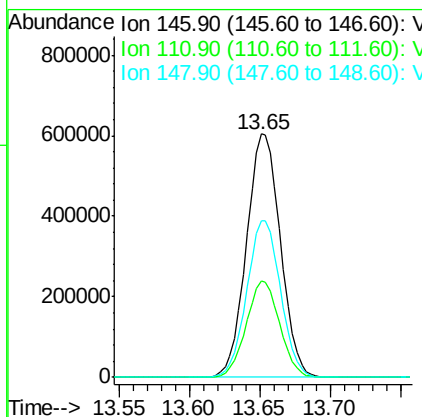
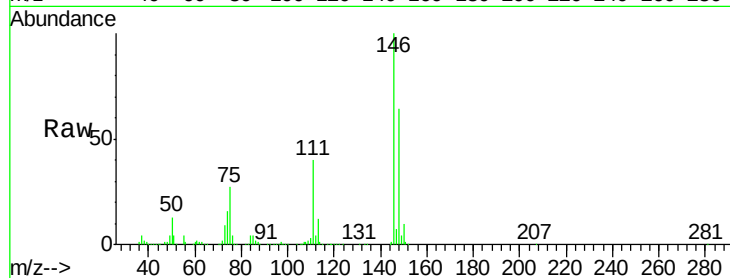
#91
 1,2-Dichlorobenzene
 Concen: 49.509 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.2
148	64.2	32.2	96.6

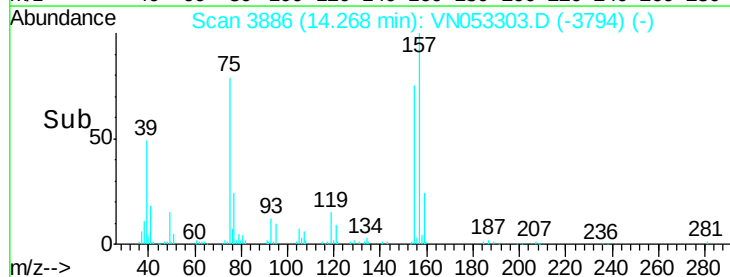
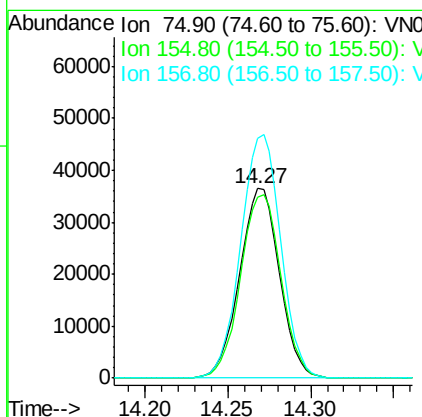
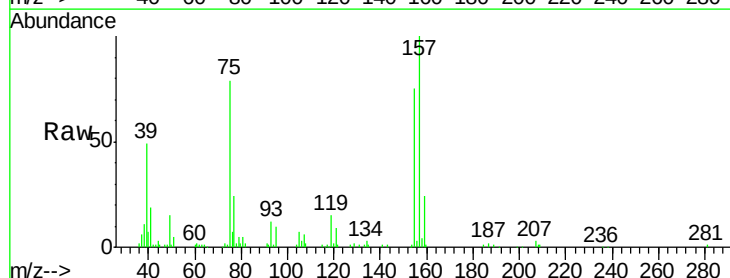
Manual Integrations
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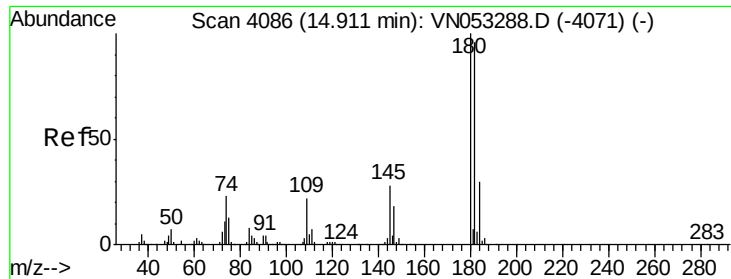
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 1/8/2019 9:25:21 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.930 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.0	48.1	144.3
157	128.9	61.5	184.4





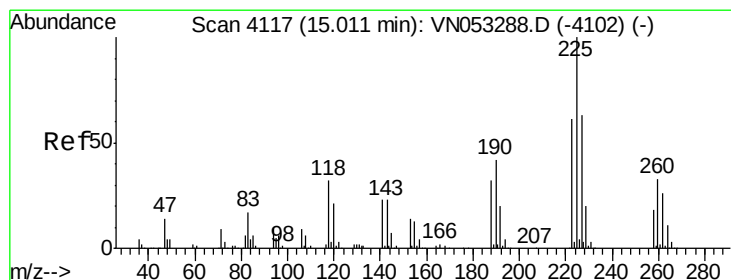
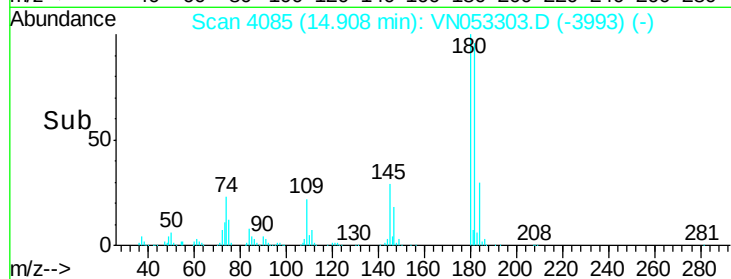
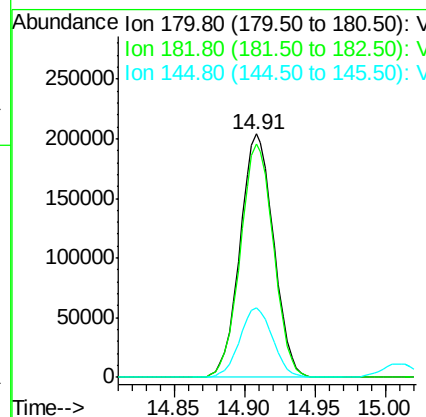
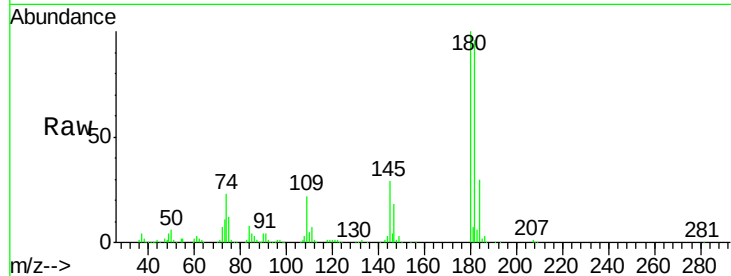
#93
 1,2,4-Trichlorobenzene
 Concen: 52.497 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.8	143.4
145	28.1	14.4	43.0

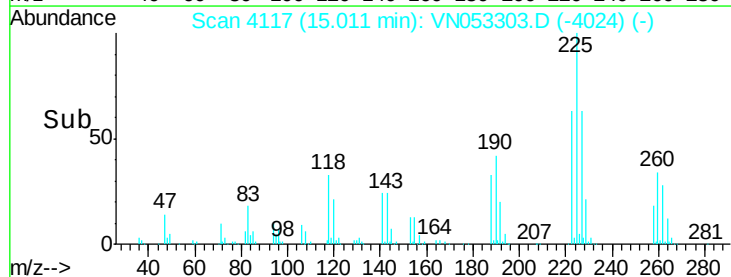
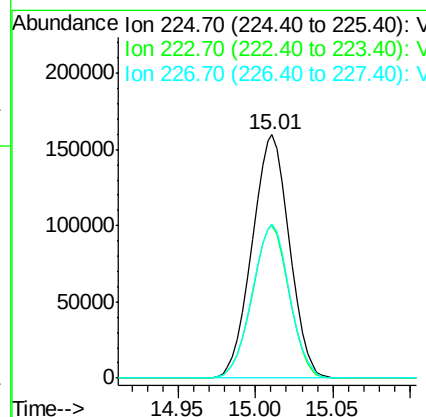
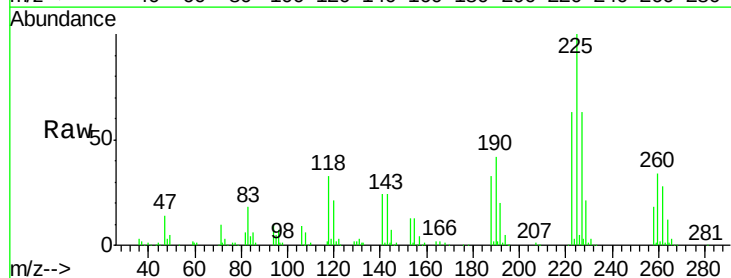
Manual Integrations
 APPROVED

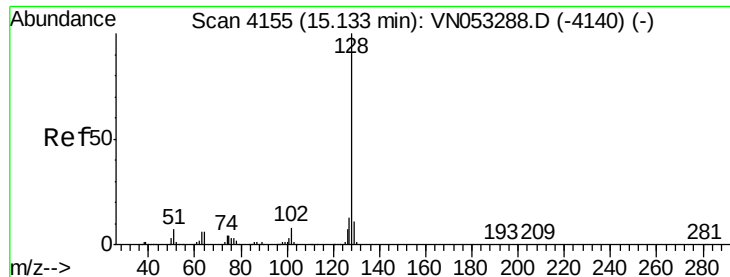
MMDadoda
 1/8/2019 9:25:21 AM



#94
 Hexachlorobutadiene
 Concen: 50.585 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	30.9	92.8
227	63.0	31.4	94.2





#95

Naphthalene

Concen: 49.321 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

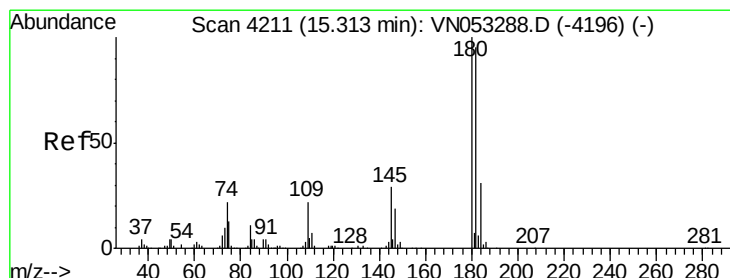
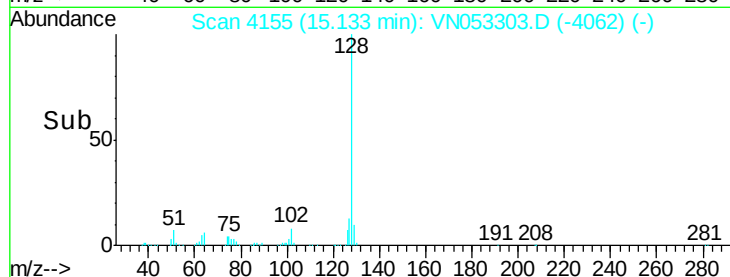
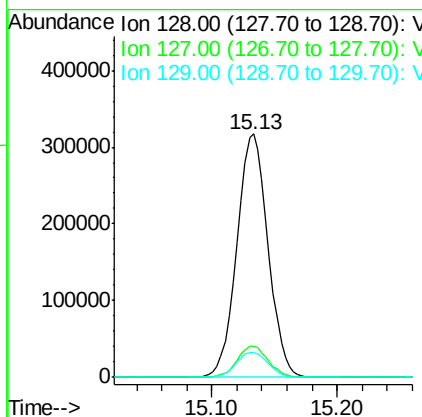
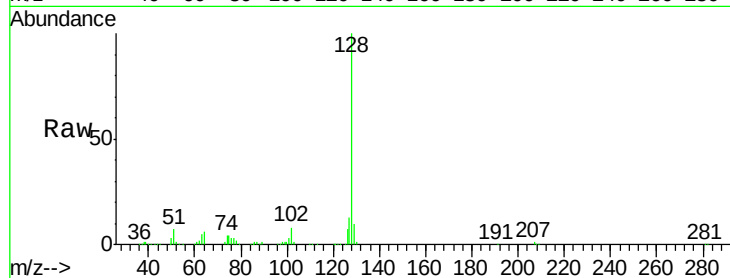
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	544515
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/8/2019 9:25:21 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.036 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Tgt Ion:	180	Resp:	207768
Ion Ratio	Lower	Upper	
180	100		
182	97.5	48.4	145.0
145	29.8	14.9	44.5

