

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010819\
 Data File : VN053305.D
 Acq On : 8 Jan 2019 9:08
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 10:57:32 AM

Quant Time: Jan 09 00:16:17 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	7.67	168	915719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1347170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1241904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	598929	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	447233	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
35) Dibromofluoromethane	7.59	113	378800	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.09	98	1636033	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.40	95	582304	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	421230	52.178	ug/l	99
3) Chloromethane	2.06	50	548702	48.671	ug/l	99
4) Vinyl Chloride	2.19	62	532825	49.517	ug/l	99
5) Bromomethane	2.57	94	351065	49.929	ug/l	99
6) Chloroethane	2.71	64	312788	48.159	ug/l	99
7) Trichlorofluoromethane	3.02	101	687824	49.350	ug/l	99
8) Diethyl Ether	3.41	74	262039	47.967	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	444847	50.360	ug/l	100
10) Methyl Iodide	3.96	142	648221	52.352	ug/l	100
11) Tert butyl alcohol	4.78	59	139266	243.038	ug/l	99
12) 1,1-Dichloroethene	3.74	96	413653	48.413	ug/l	100
13) Acrolein	3.61	56	175557	243.668	ug/l	99
14) Allyl chloride	4.33	41	660251	47.944	ug/l	100
15) Acrylonitrile	4.99	53	819781	239.653	ug/l	99
16) Acetone	3.81	43	705824	308.359	ug/l	100
17) Carbon Disulfide	4.06	76	1287088	48.861	ug/l	99
18) Methyl Acetate	4.32	43	379107	43.969	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1163896	48.536	ug/l	99
20) Methylene Chloride	4.55	84	480708	46.980	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	453556	49.438	ug/l	99
22) Diisopropyl ether	5.95	45	1457920	49.143	ug/l	98
23) Vinyl Acetate	5.89	43	4624833	247.755	ug/l	99
24) 1,1-Dichloroethane	5.85	63	832528	48.656	ug/l	99
25) 2-Butanone	6.83	43	992842	254.021	ug/l	100
26) 2,2-Dichloropropane	6.82	77	635984	50.848	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	516715	49.321	ug/l	100
28) Bromochloromethane	7.19	49	370702	50.840	ug/l	100
29) Tetrahydrofuran	7.21	42	617929	239.576	ug/l	99
30) Chloroform	7.37	83	822117	48.815	ug/l	99
31) Cyclohexane	7.65	56	807002	49.630	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	682713	48.647	ug/l	99
36) 1,1-Dichloropropene	7.79	75	654923	52.074	ug/l	99
37) Ethyl Acetate	6.93	43	405772	49.533	ug/l	99
38) Carbon Tetrachloride	7.77	117	611413	52.670	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	793847	54.484	ug/l	99
40) Benzene	8.04	78	1957573	50.956	ug/l	99
41) Methacrylonitrile	7.17	41	225730	44.384	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	571749	50.173	ug/l	100
43) Isopropyl Acetate	8.16	43	721001	44.739	ug/l	98
44) Trichloroethene	8.83	130	537797	50.982	ug/l	99
45) 1,2-Dichloropropane	9.12	63	517007	51.311	ug/l	99
46) Dibromomethane	9.21	93	299227	50.933	ug/l	99
47) Bromodichloromethane	9.40	83	632142	51.633	ug/l	100
48) Methyl methacrylate	9.20	41	371314	50.715	ug/l	100
49) 1,4-Dioxane	9.20	88	85137	1091.420	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2064628	254.759	ug/l	100
52) Toluene	10.16	92	1221028	51.807	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	665547	53.140	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	757811	52.361	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	432449	49.901	ug/l	99
56) Ethyl methacrylate	10.43	69	587638	52.180	ug/l	99
57) 1,3-Dichloropropane	10.71	76	744283	51.357	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1557314	255.785	ug/l	100
59) 2-Hexanone	10.75	43	1508559	271.679	ug/l	100
60) Dibromochloromethane	10.90	129	495257	52.985	ug/l	99
61) 1,2-Dibromoethane	11.00	107	440289	51.484	ug/l	99
64) Tetrachloroethene	10.63	164	593232	50.752	ug/l	99
65) Chlorobenzene	11.43	112	1363552	50.542	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	478972	50.723	ug/l	99
67) Ethyl Benzene	11.51	91	2391055	52.157	ug/l	100
68) m/p-Xylenes	11.62	106	1826456	105.954	ug/l	100
69) o-Xylene	11.95	106	881989	52.262	ug/l	99
70) Styrene	11.96	104	1465489	53.356	ug/l	100
71) Bromoform	12.13	173	352421	52.837	ug/l #	99
73) Isopropylbenzene	12.25	105	2336886	52.406	ug/l	100
74) N-amyl acetate	12.07	43	669543	50.283	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	504444	49.177	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	444774m	50.915	ug/l	
77) Bromobenzene	12.53	156	608332	51.114	ug/l	99
78) n-propylbenzene	12.59	91	2726502	54.054	ug/l	99
79) 2-Chlorotoluene	12.67	91	1579306	51.746	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1905520	53.051	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	161794	54.492	ug/l	98
82) 4-Chlorotoluene	12.77	91	1628701	52.042	ug/l	100
83) tert-Butylbenzene	12.99	119	1659088	52.646	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1952081	53.346	ug/l	100
85) sec-Butylbenzene	13.17	105	2251386	54.171	ug/l	100
86) p-Isopropyltoluene	13.29	119	1969999	54.747	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1078407	51.455	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1063295	51.144	ug/l	99
89) n-Butylbenzene	13.62	91	1659580	55.010	ug/l	100
90) Hexachloroethane	13.88	117	317047	54.971	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1006932	51.291	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	66580	53.513	ug/l	99

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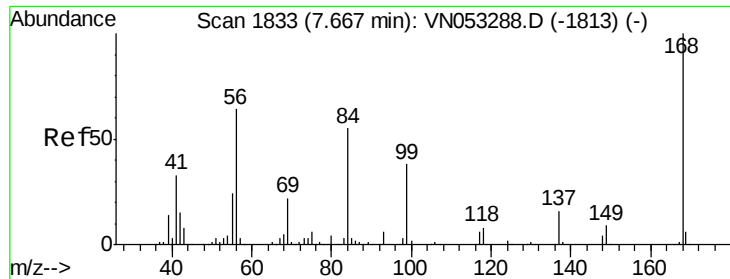
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	359464	58.234	ug/l	100
94) Hexachlorobutadiene	15.01	225	282407	55.934	ug/l	99
95) Naphthalene	15.13	128	603910	57.350	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	238444	59.001	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 915719

Ion Ratio Lower Upper

168 100

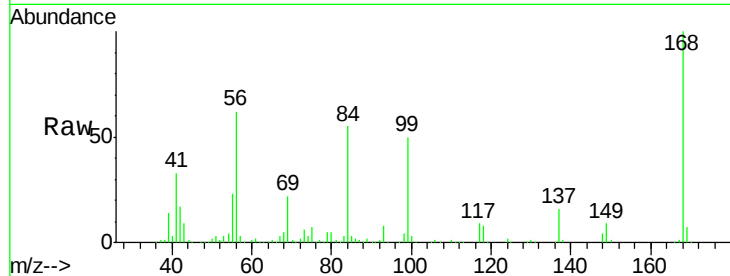
99 50.2 39.1 58.7

Manual Integrations

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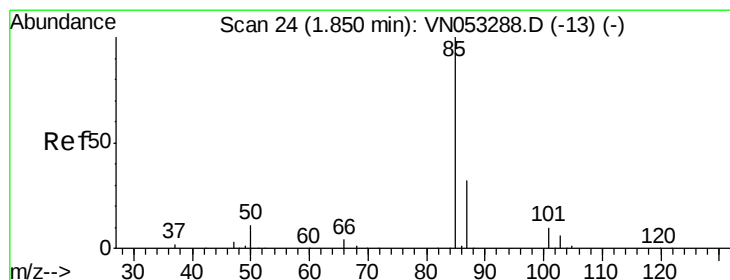
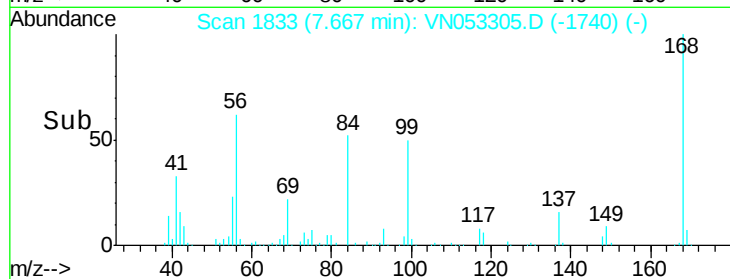
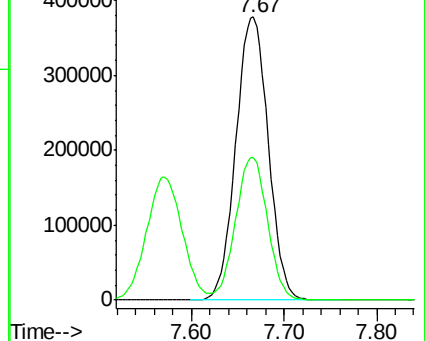
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 52.178 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053305.D

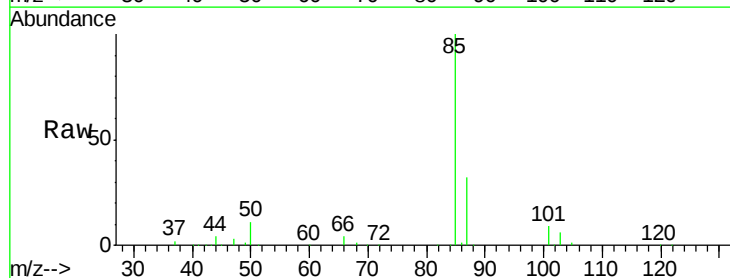
Acq: 8 Jan 2019 9:08

Tgt Ion: 85 Resp: 421230

Ion Ratio Lower Upper

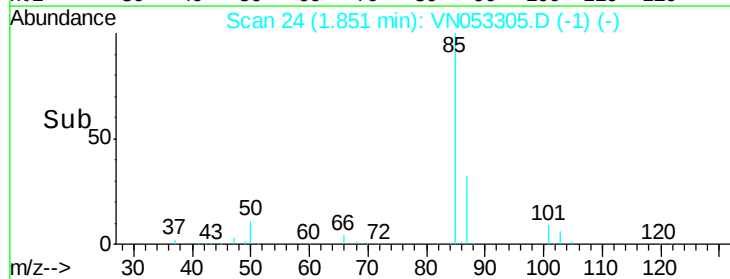
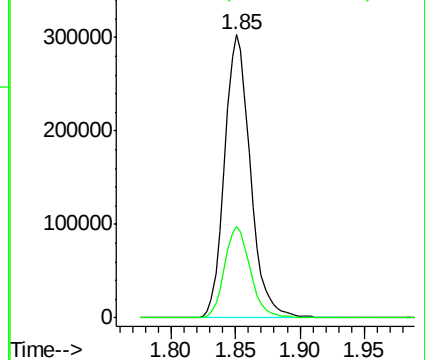
85 100

87 32.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.671 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 548702

Ion Ratio Lower Upper

50 100

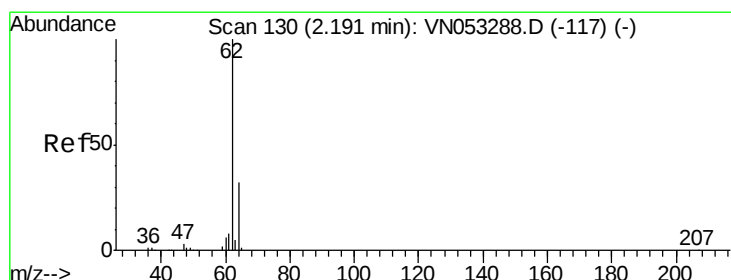
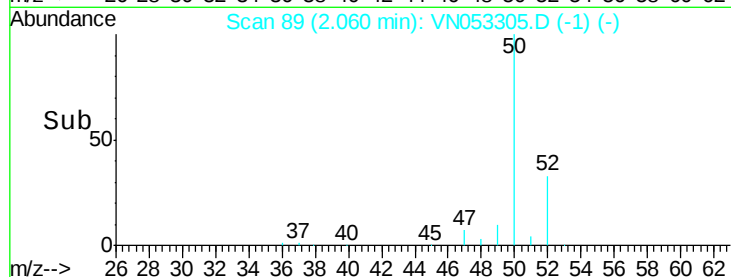
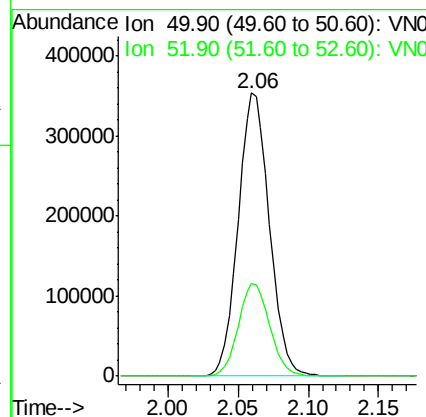
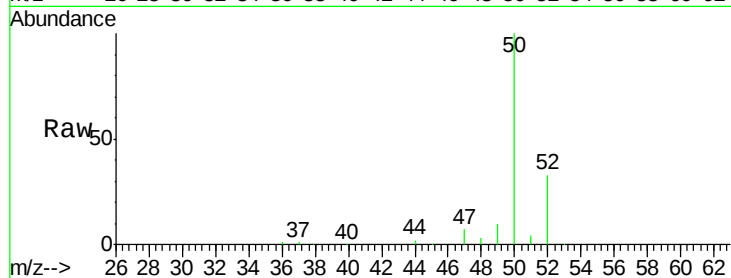
52 32.7 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.517 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053305.D

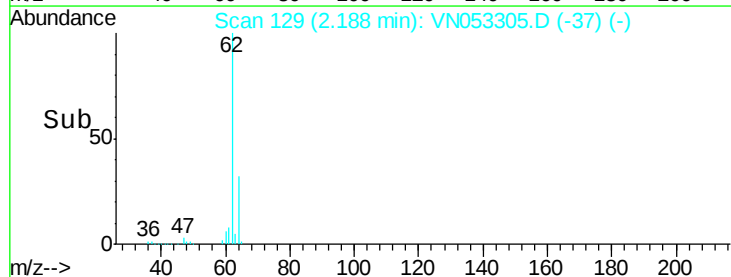
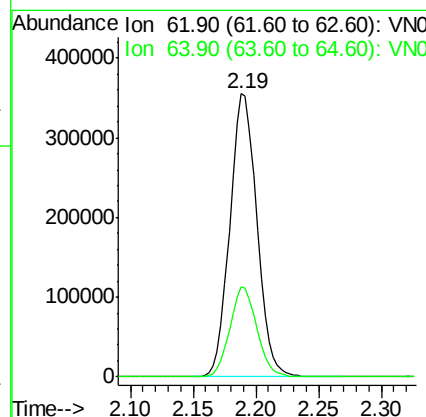
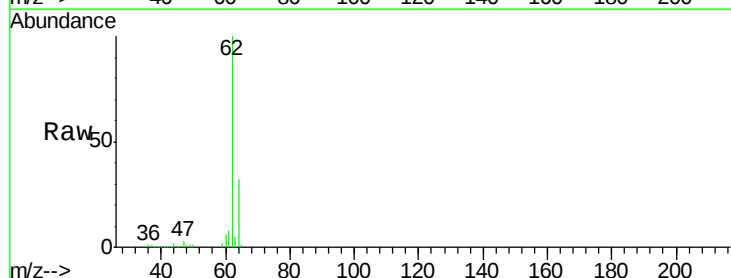
Acq: 8 Jan 2019 9:08

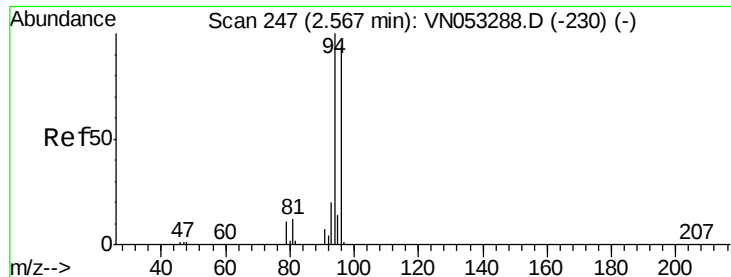
Tgt Ion: 62 Resp: 532825

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 49.929 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 351065

Ion Ratio Lower Upper

94 100

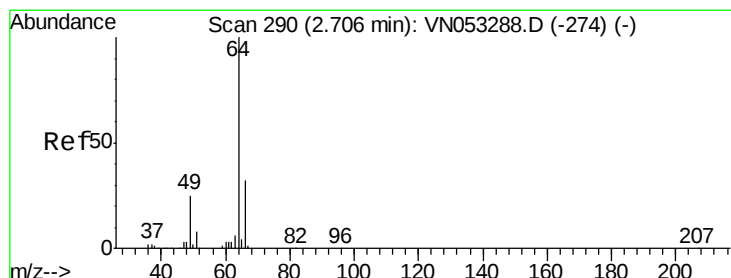
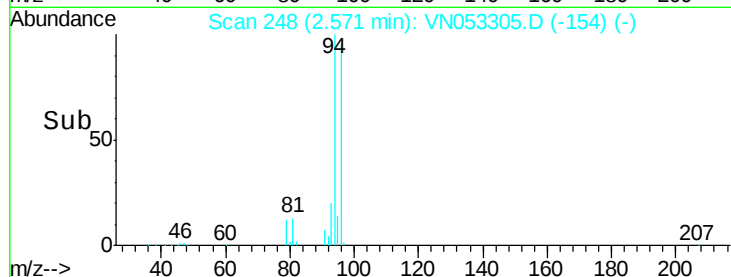
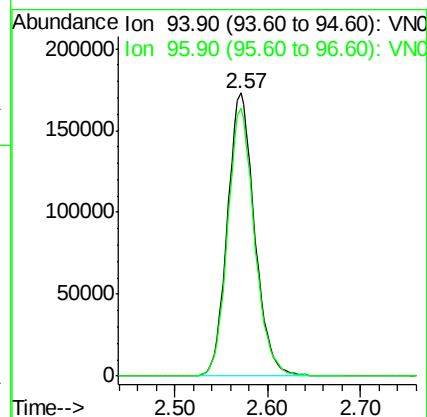
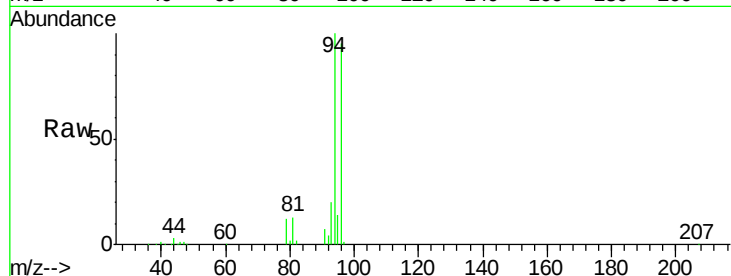
96 94.7 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 48.159 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053305.D

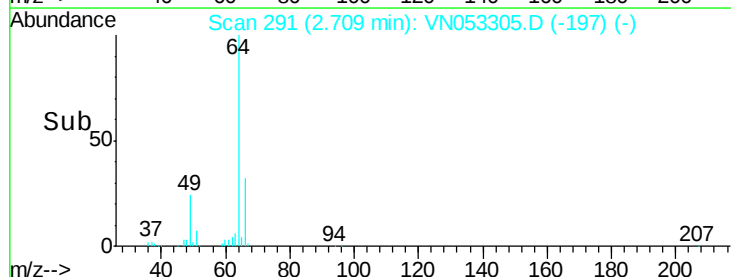
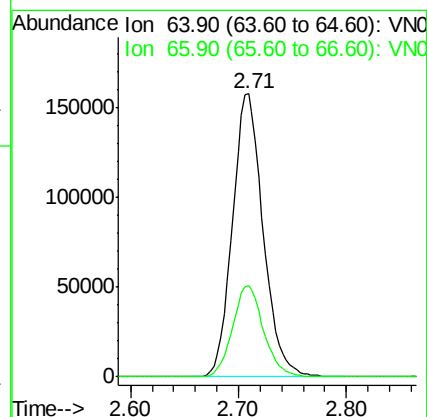
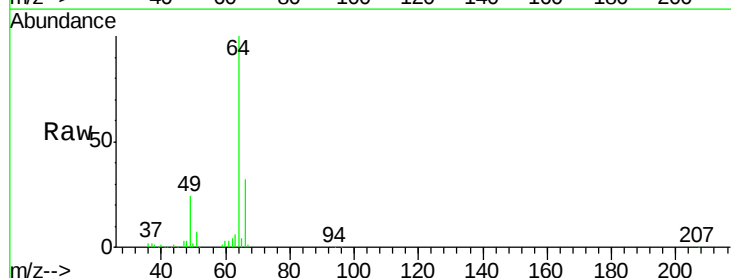
Acq: 8 Jan 2019 9:08

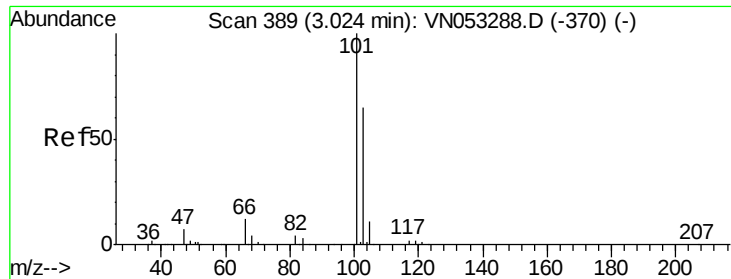
Tgt Ion: 64 Resp: 312788

Ion Ratio Lower Upper

64 100

66 32.3 25.6 38.4





#7

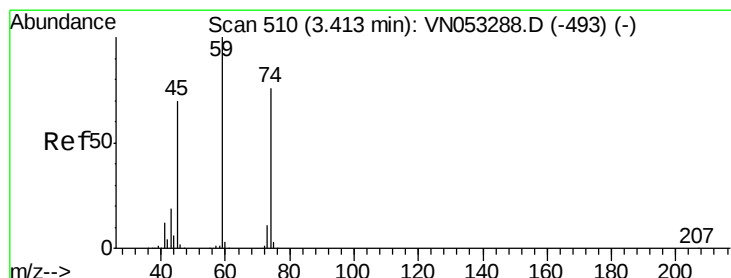
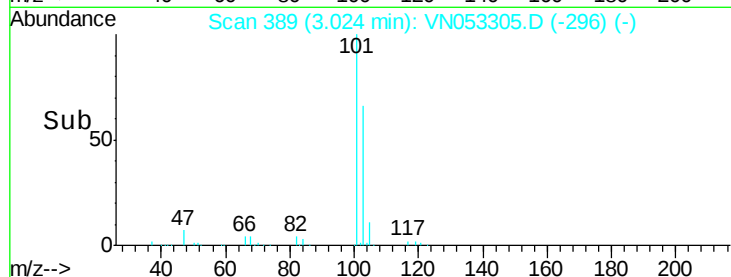
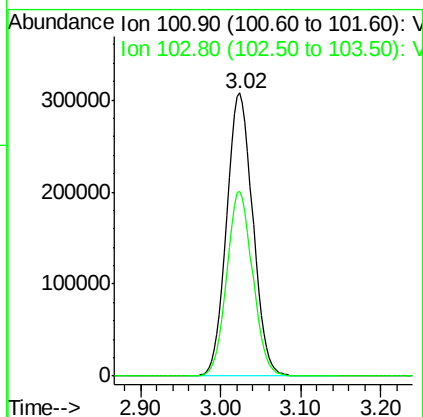
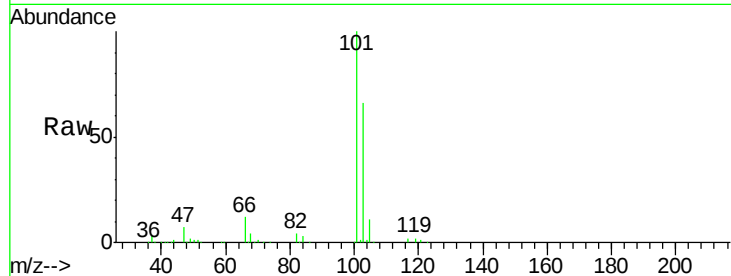
Trichlorofluoromethane
 Concen: 49.350 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.1	78.1

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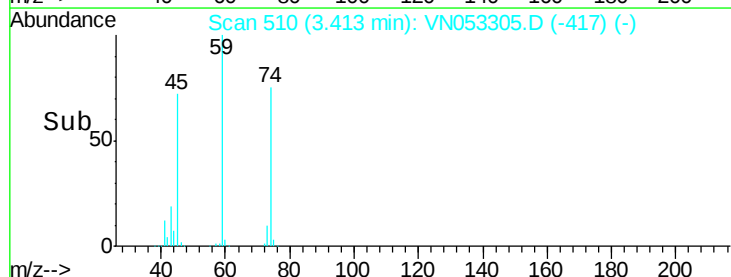
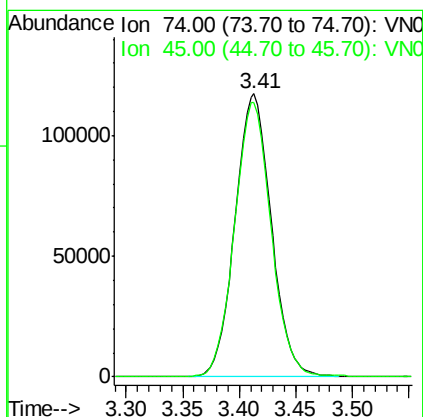
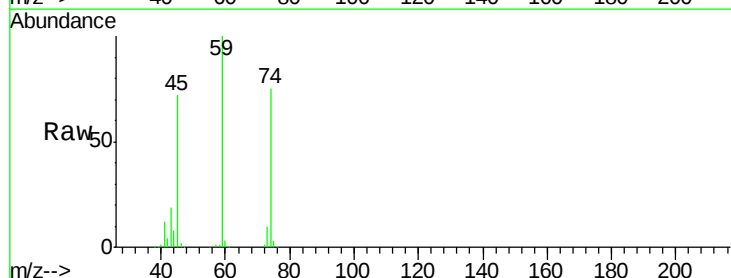
MMDadoda
 1/9/2019 10:57:32 AM

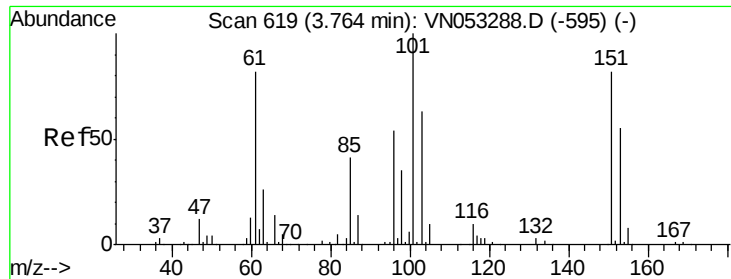


#8

Diethyl Ether
 Concen: 47.967 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.360 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

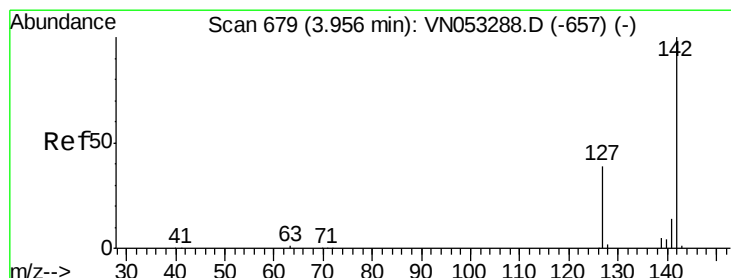
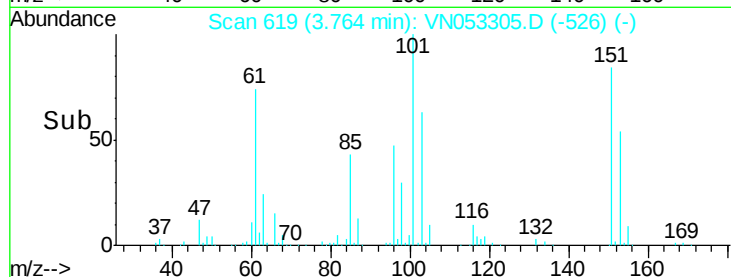
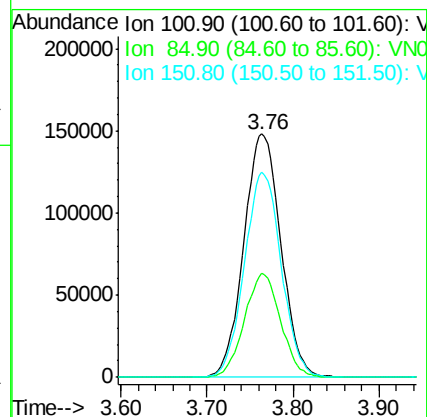
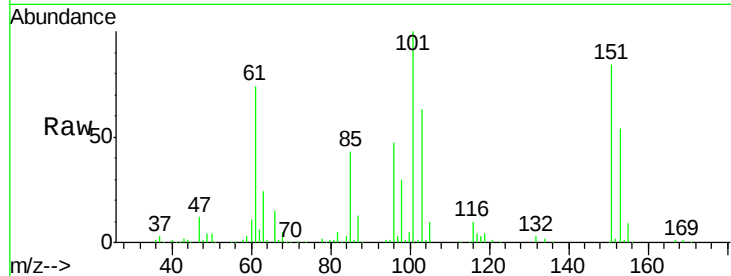
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	444847
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.3	49.9
151	83.8	67.0	100.4

Manual Integrations
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#10

Methyl Iodide

Concen: 52.352 ug/l

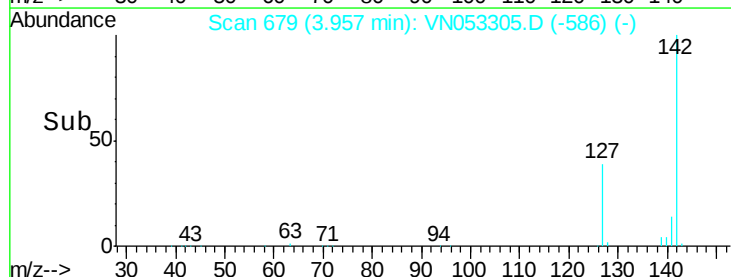
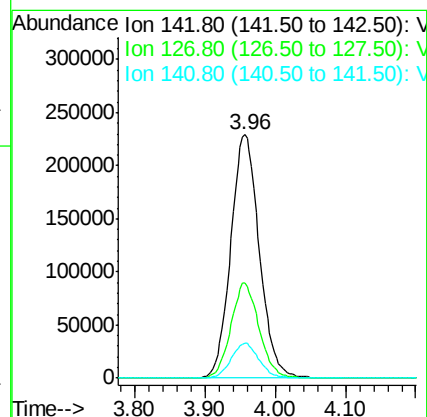
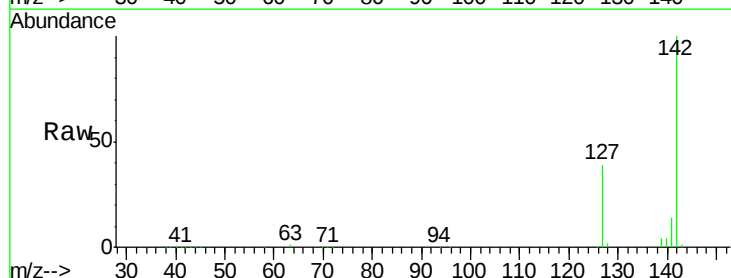
RT: 3.96 min Scan# 679

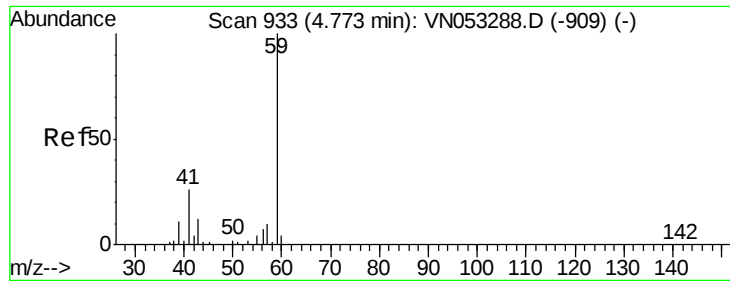
Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Tgt Ion:	142	Resp:	648221
Ion Ratio	Lower	Upper	
142	100		
127	38.5	30.9	46.3
141	14.0	11.2	16.8





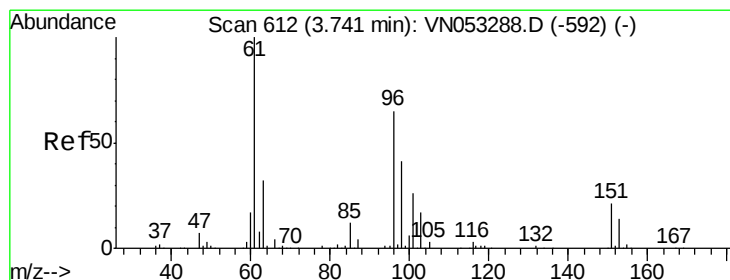
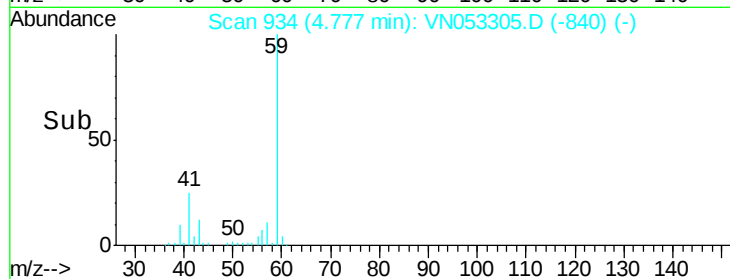
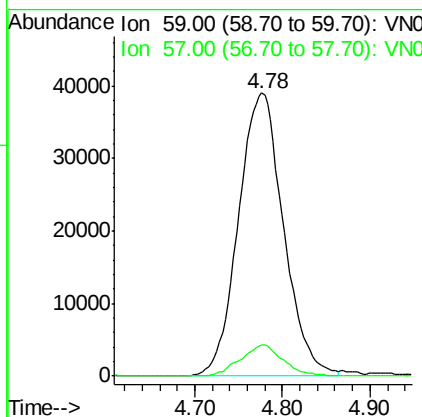
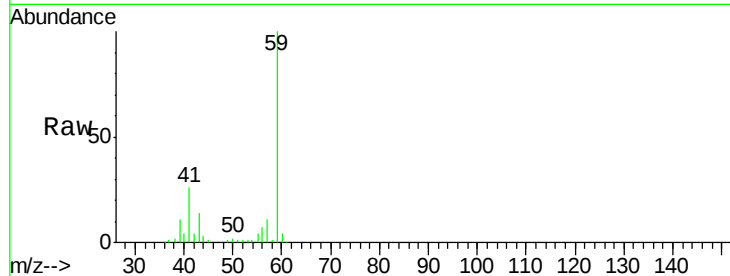
#11
Tert butyl alcohol
Concen: 243.038 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	139266
Ion Ratio	59	100	
Lower	57	10.4	8.0
Upper			12.0

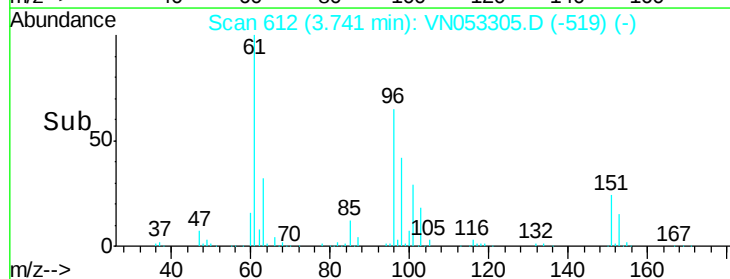
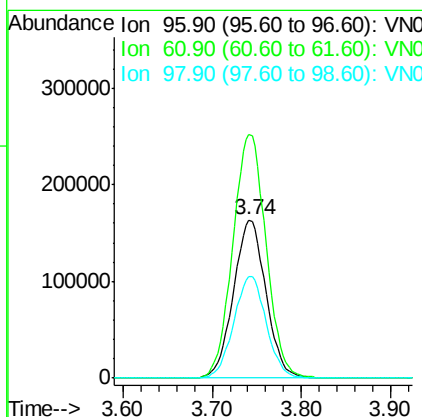
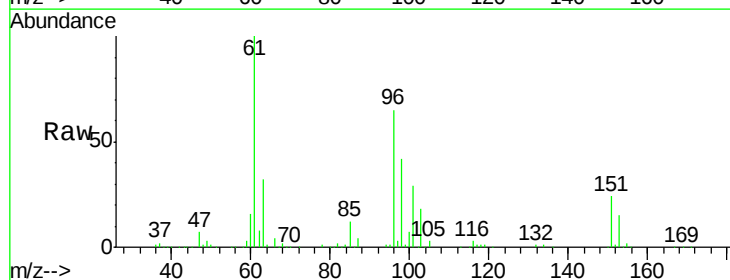
Manual Integrations
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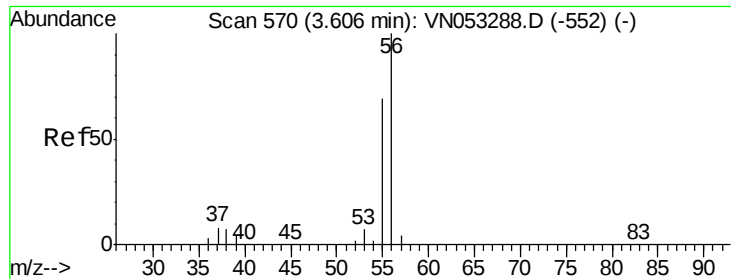
MMDadoda
1/9/2019 10:57:32 AM



#12
1,1-Dichloroethene
Concen: 48.413 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion	96	Resp	413653
Ion Ratio	96	100	
Lower	61	153.9	123.2
Upper	98	64.2	50.5
			75.7





#13

Acrolein

Concen: 243.668 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 175557

Ion Ratio Lower Upper

56 100

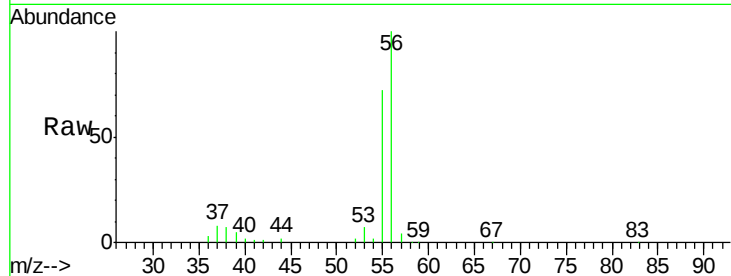
55 70.0 56.3 84.5

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

80000

60000

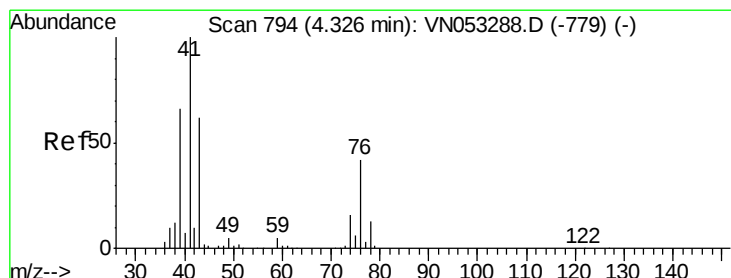
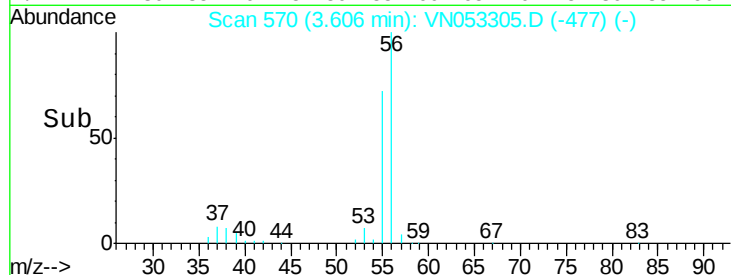
40000

20000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 47.944 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

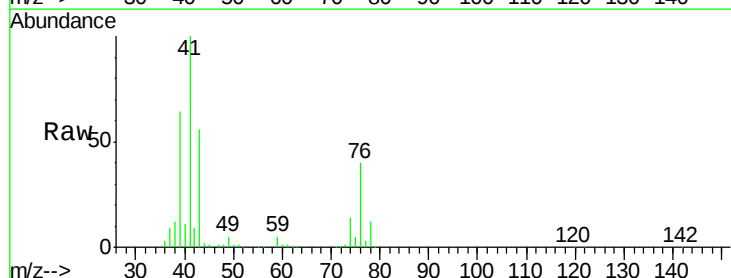
Tgt Ion: 41 Resp: 660251

Ion Ratio Lower Upper

41 100

39 64.6 51.9 77.9

76 38.8 31.2 46.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.33

300000

250000

200000

150000

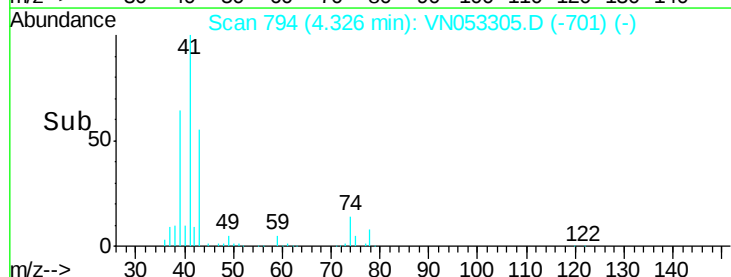
100000

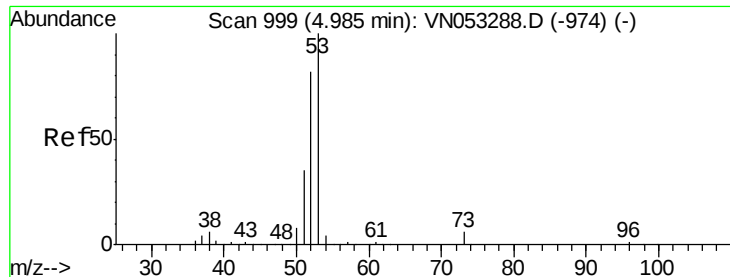
50000

0

Time-->

4.20 4.30 4.40 4.50





#15

Acrylonitrile

Concen: 239.653 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

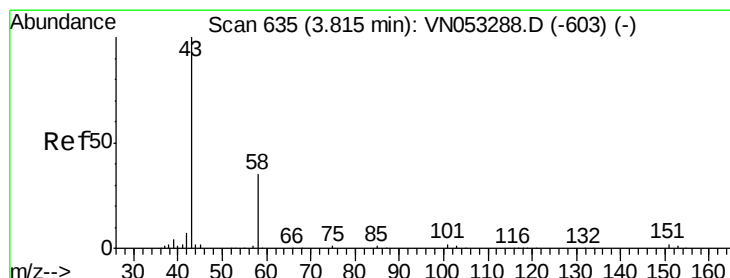
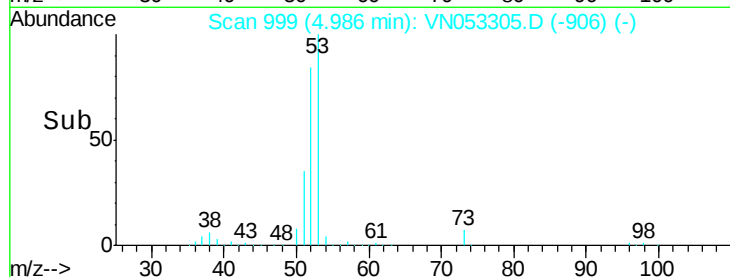
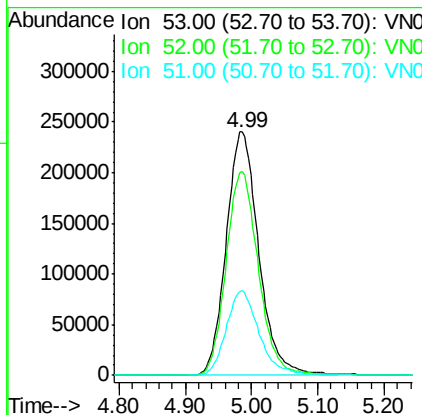
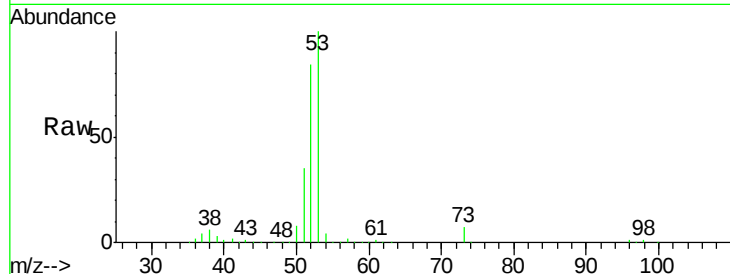
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	819781
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.2	97.8
51	35.2	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 308.359 ug/l

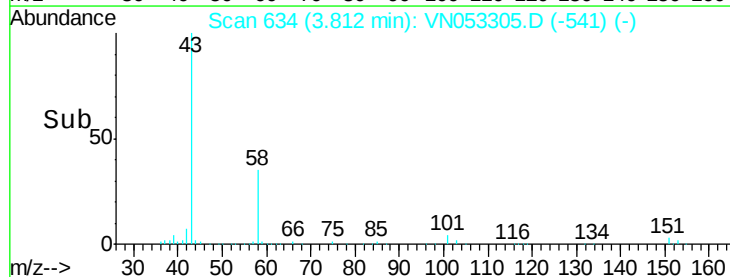
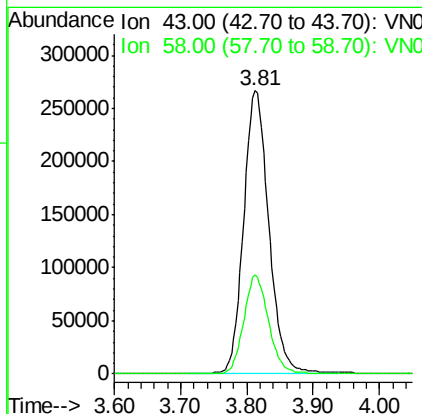
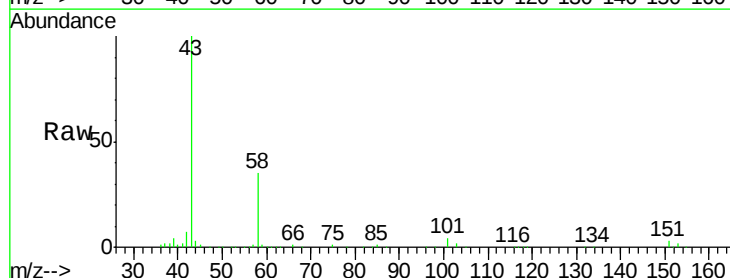
RT: 3.81 min Scan# 634

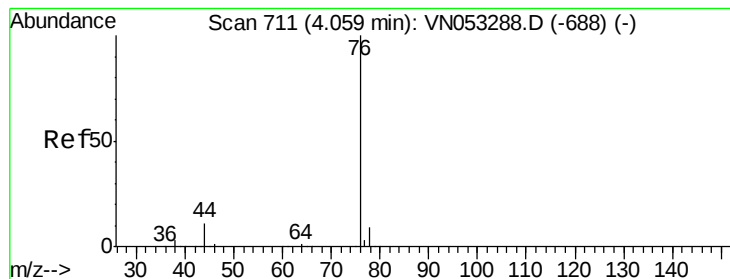
Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Tgt Ion:	43	Resp:	705824
Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.8	41.6





#17

Carbon Disulfide

Concen: 48.861 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Tot Ion: 76 Resp: 1287088

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

Instrument :

MSVOA_N

ClientSampleId :

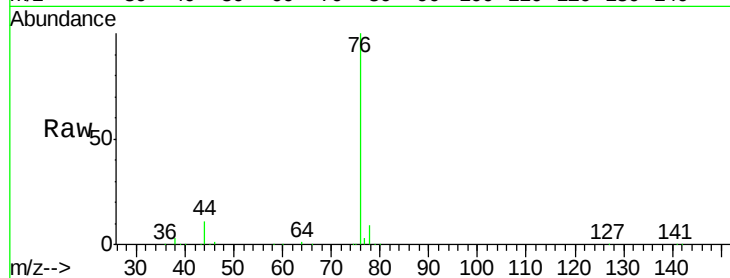
VSTDCCC050

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.06

500000

400000

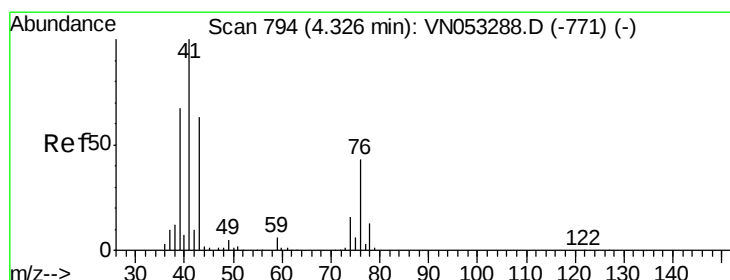
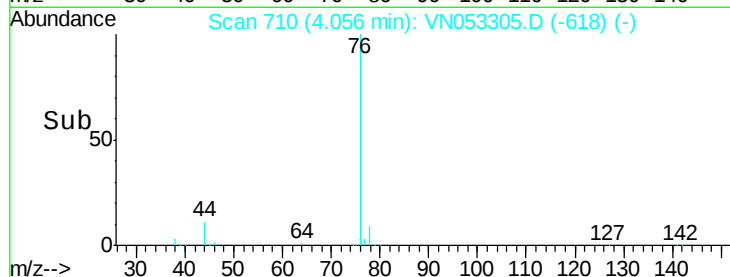
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 43.969 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053305.D

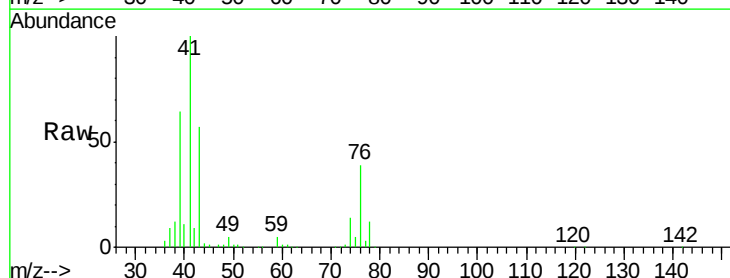
Acq: 8 Jan 2019 9:08

Tgt Ion: 43 Resp: 379107

Ion Ratio Lower Upper

43 100

74 25.0 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.32

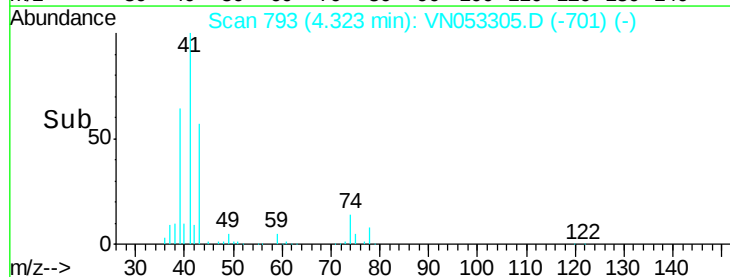
150000

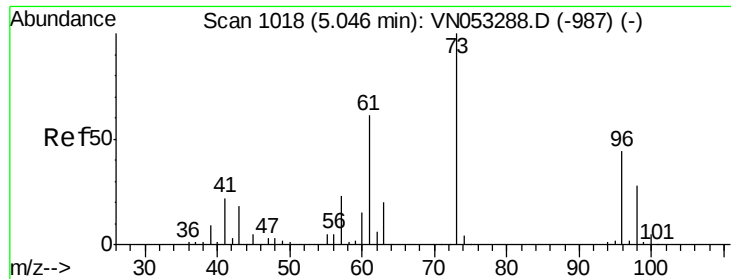
100000

50000

0

Time-->





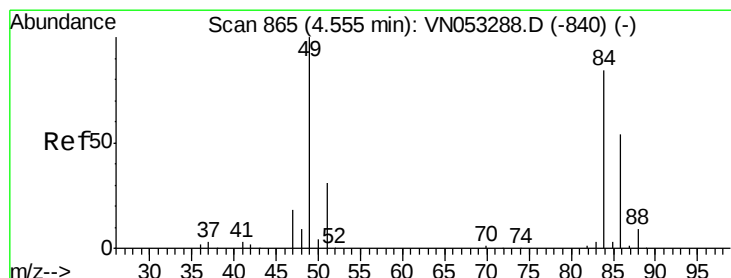
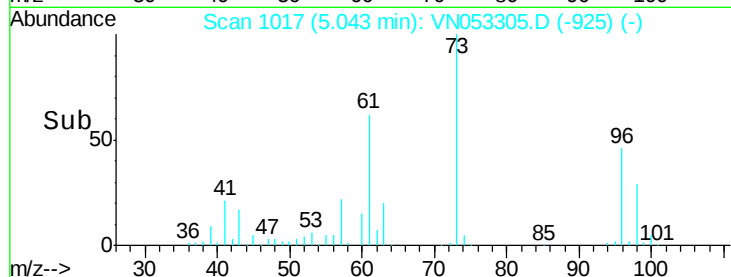
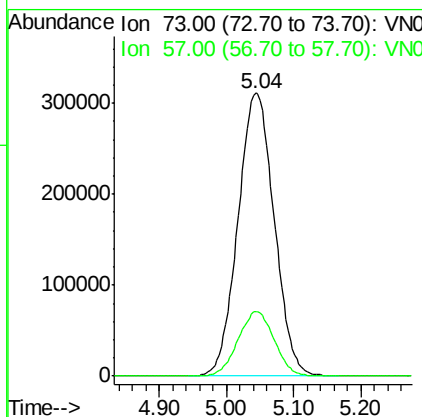
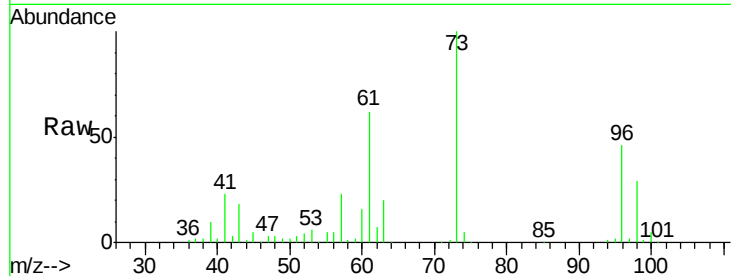
#19
Methvl tert-butvl Ether
Concen: 48.536 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1163896
Ion Ratio Lower Upper
73 100
57 22.7 18.5 27.7

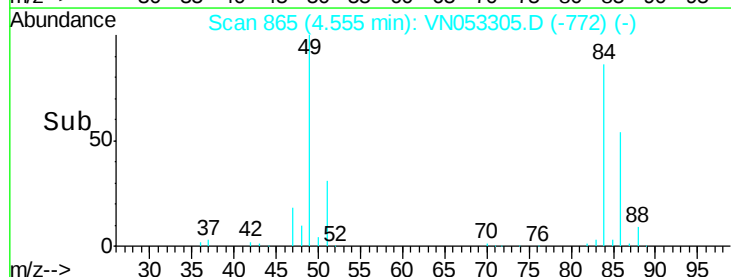
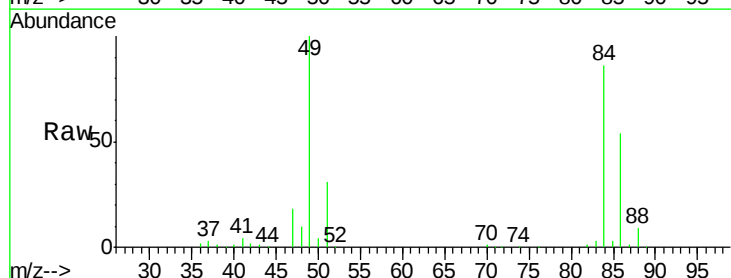
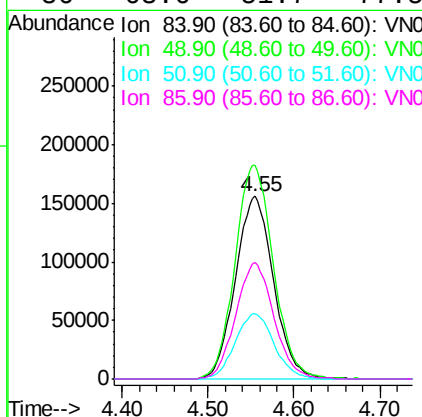
Manual Integrations
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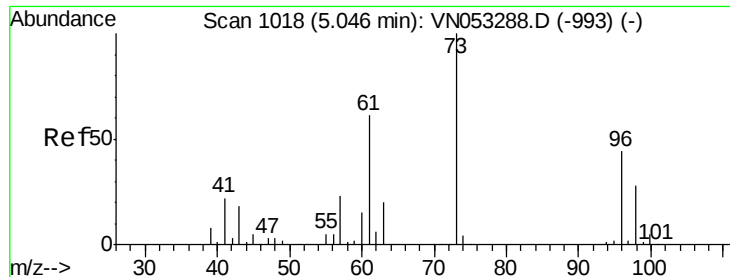
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#20
Methylene Chloride
Concen: 46.980 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion: 84 Resp: 480708
Ion Ratio Lower Upper
84 100
49 116.8 95.3 142.9
51 35.8 29.0 43.6
86 63.6 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 49.438 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 96 Resp: 453556

Ion Ratio Lower Upper

96 100

61 135.8 110.2 165.4

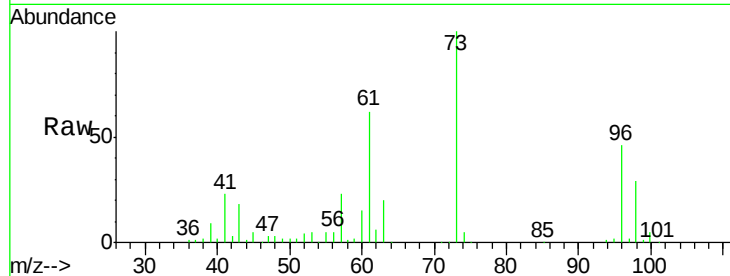
98 62.8 50.7 76.1

Manual Integrations

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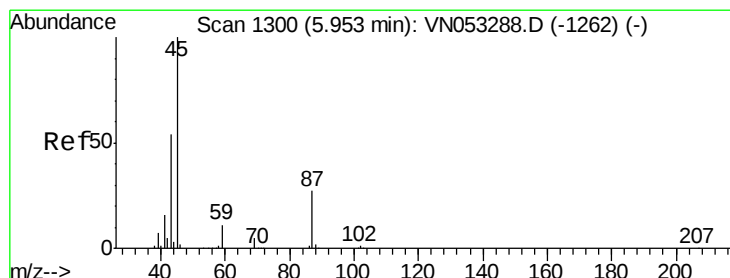
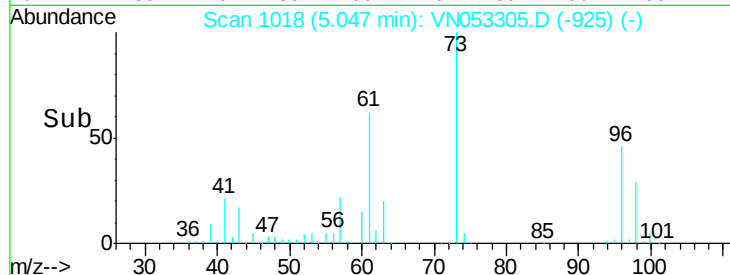
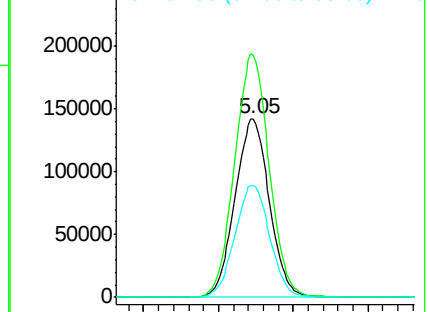


Abundance

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: 49.143 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Tgt Ion: 45 Resp: 1457920

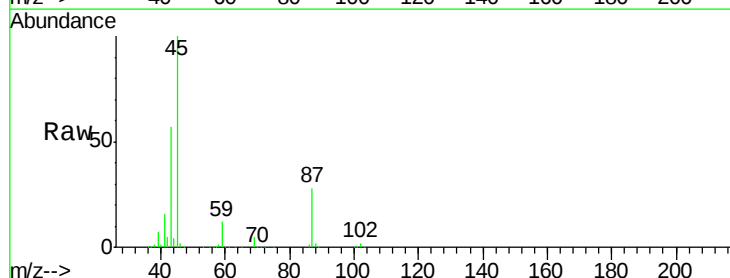
Ion Ratio Lower Upper

45 100

43 55.9 43.0 64.6

87 27.8 22.1 33.1

59 12.2 9.0 13.4



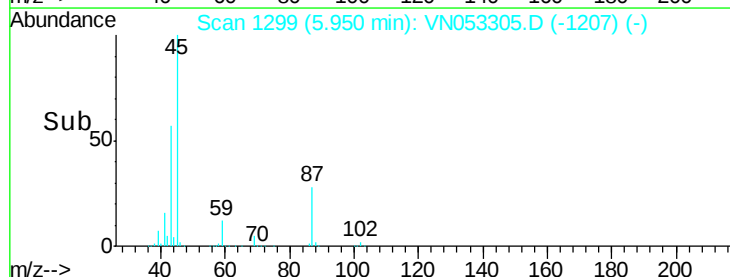
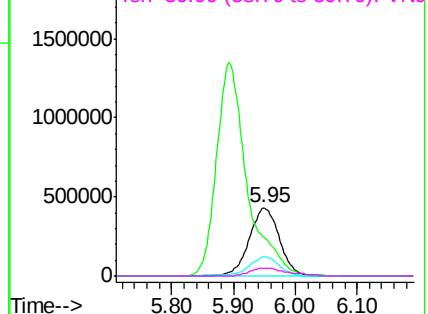
Abundance

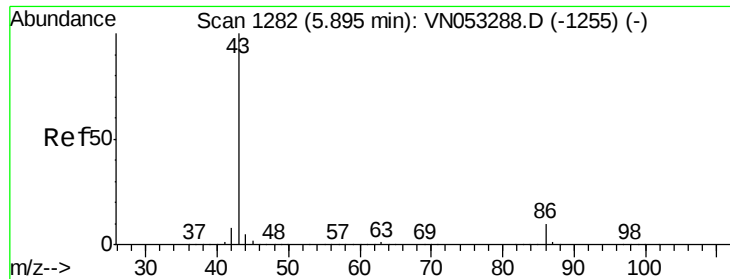
Ion 45.00 (44.70 to 45.70): VN0

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





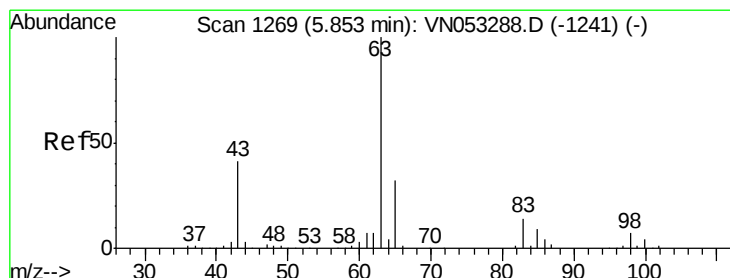
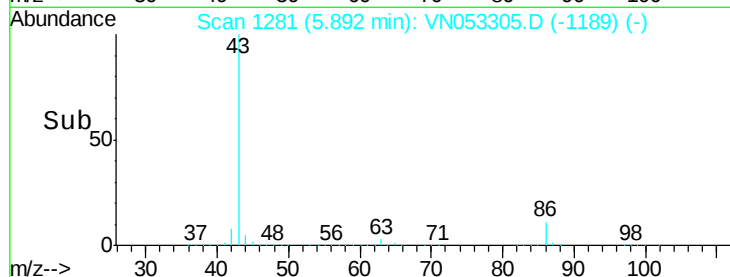
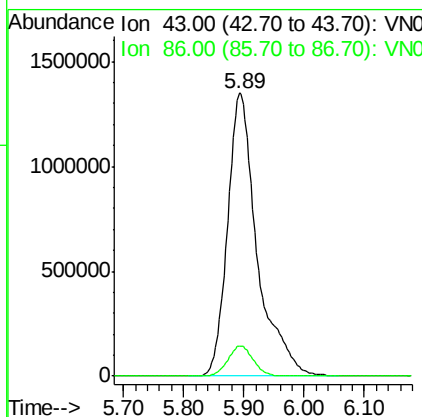
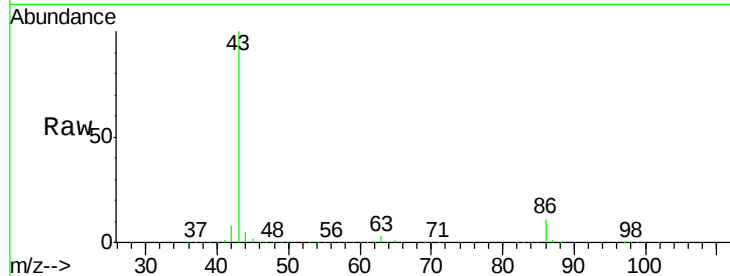
#23
 Vinyl Acetate
 Concen: 247.755 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 43 Resp: 4624833
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.4 12.6

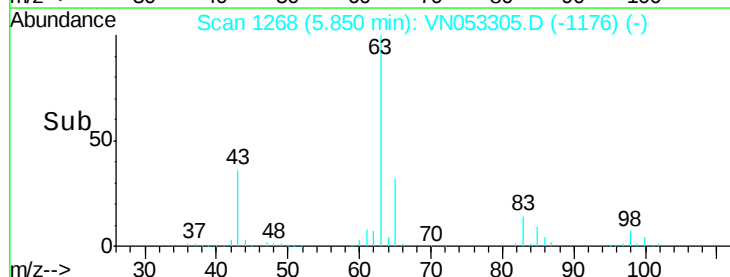
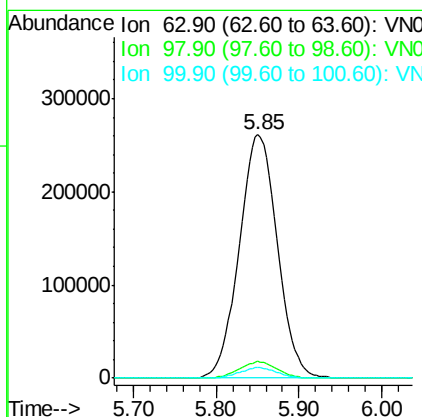
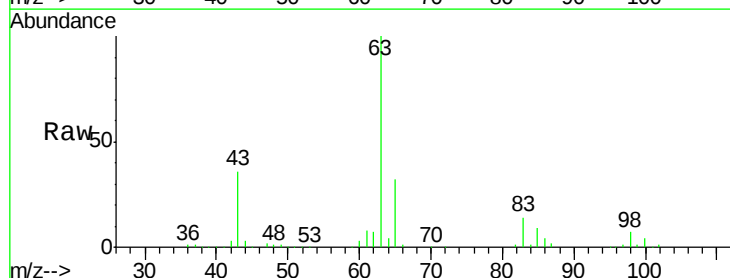
Manual Integrations
 APPROVED

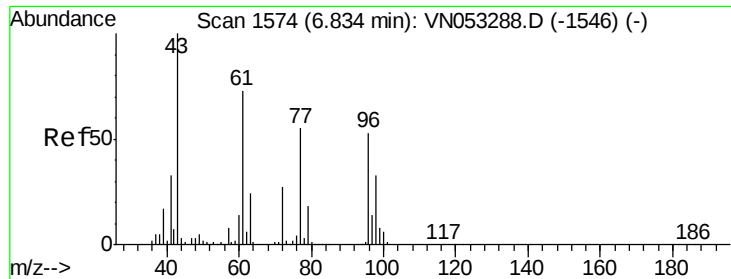
MMDadoda
 1/9/2019 10:57:32 AM



#24
 1,1-Dichloroethane
 Concen: 48.656 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Tgt Ion: 63 Resp: 832528
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.2 2.1 6.5





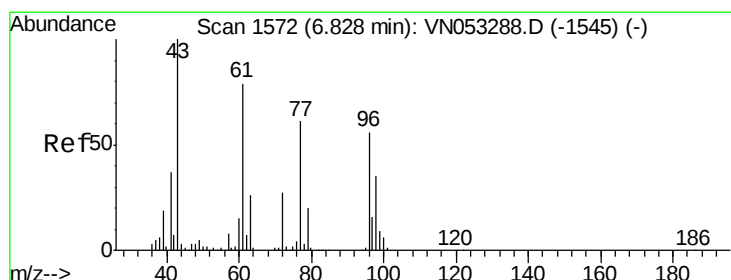
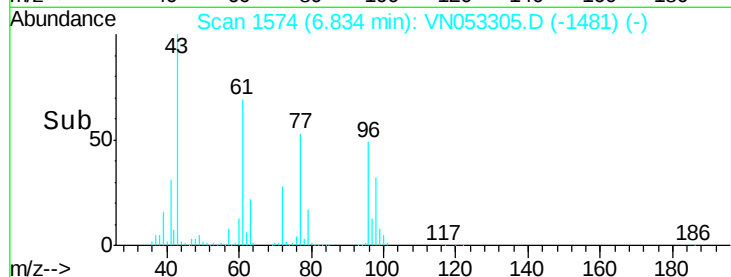
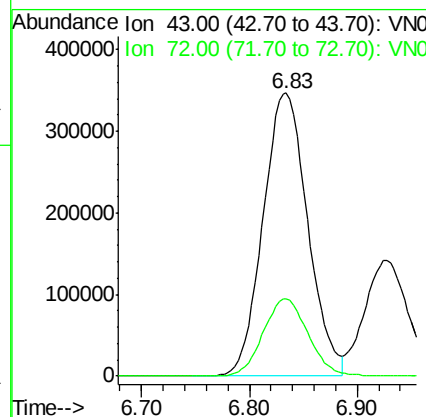
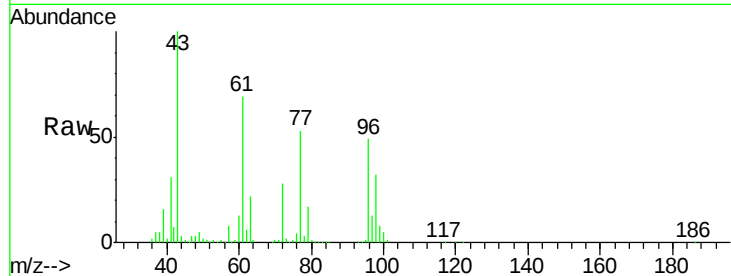
#25
2-Butanone
Concen: 254.021 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 992842
Ion Ratio Lower Upper
43 100
72 27.5 22.0 33.0

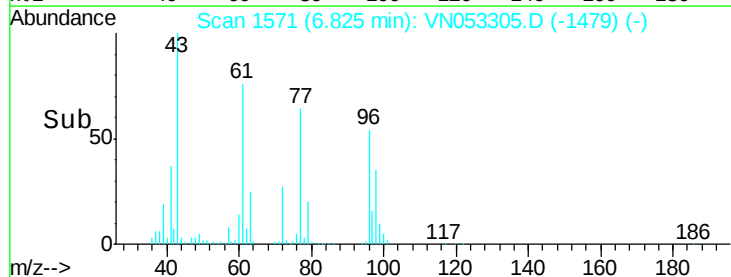
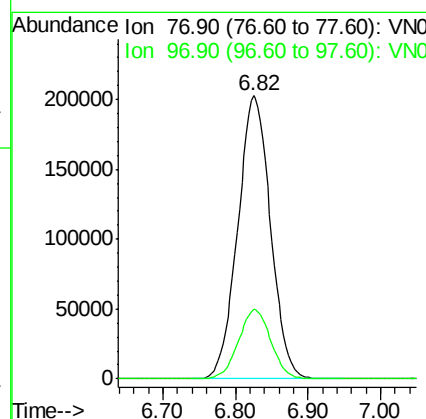
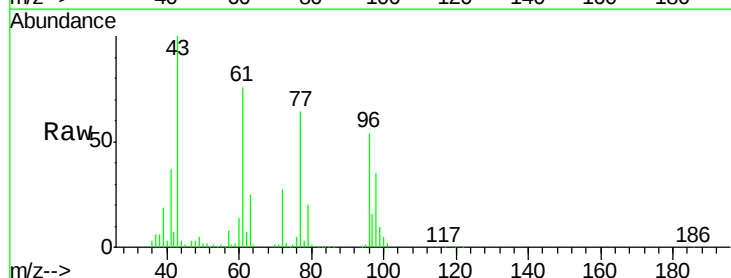
Manual Integrations
APPROVED

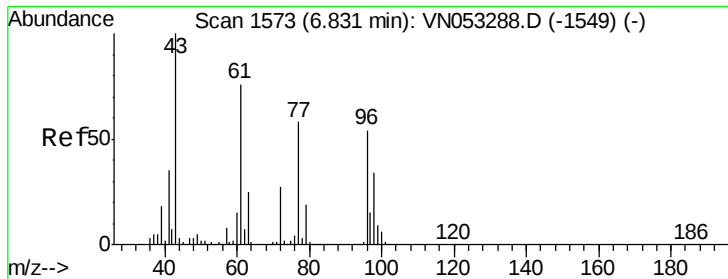
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#26
2,2-Dichloropropane
Concen: 50.848 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion: 77 Resp: 635984
Ion Ratio Lower Upper
77 100
97 24.3 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 49.321 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

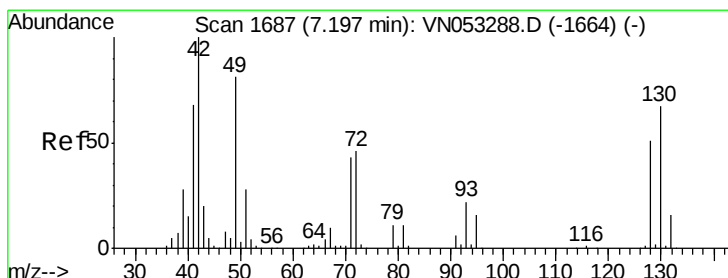
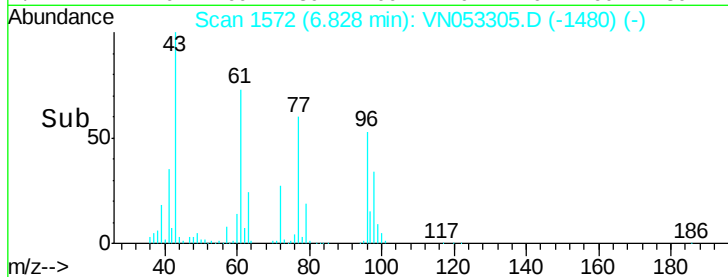
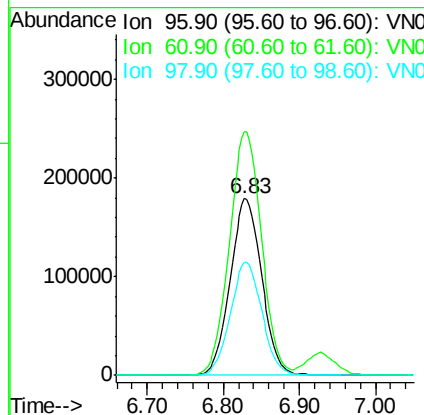
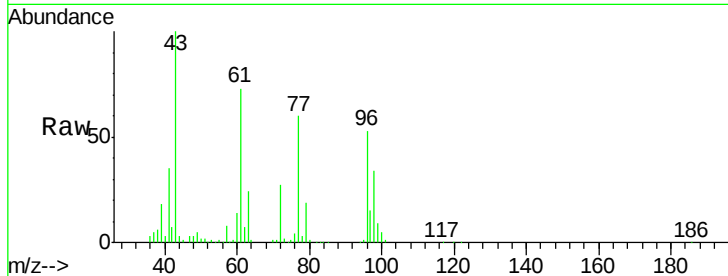
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	516715
Ion Ratio	Lower	Upper	
96	100		
61	140.7	0.0	280.6
98	64.0	0.0	127.6

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#28

Bromochloromethane

Concen: 50.840 ug/l

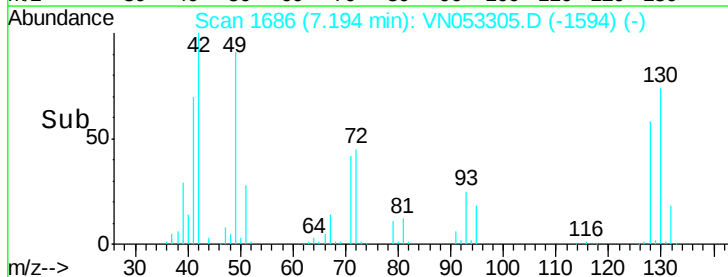
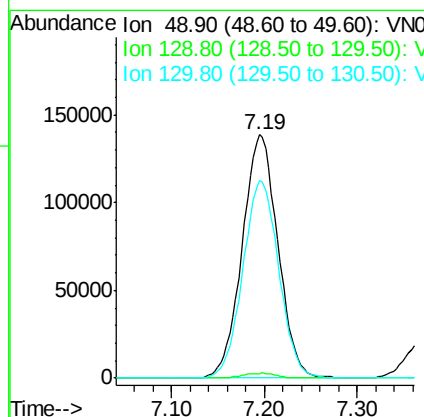
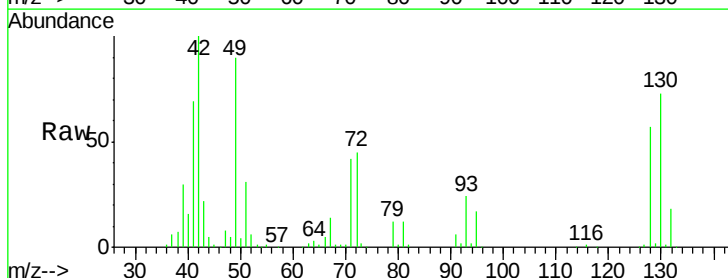
RT: 7.19 min Scan# 1686

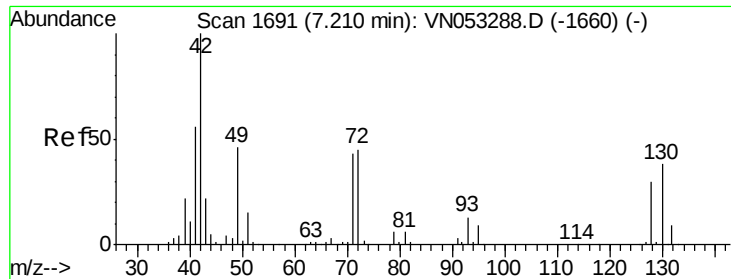
Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Tgt Ion:	49	Resp:	370702
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	3.8
130	81.7	65.4	98.0





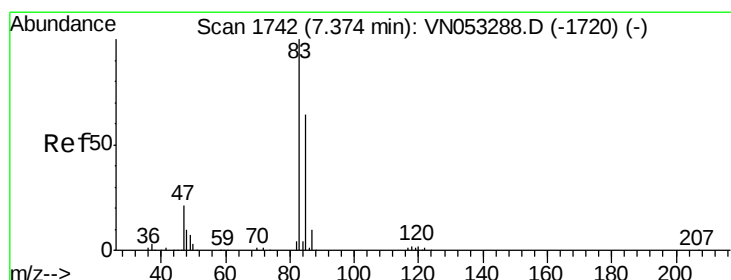
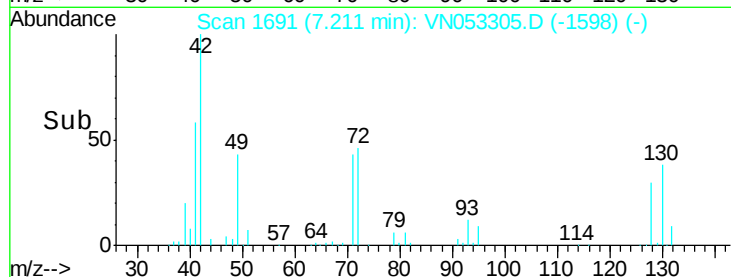
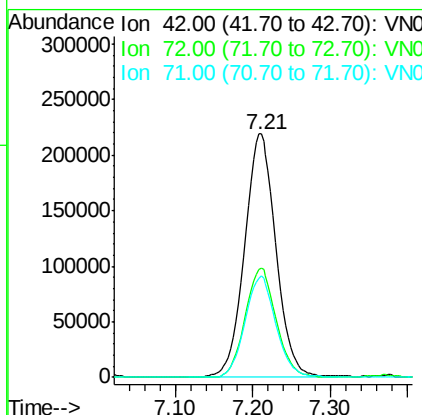
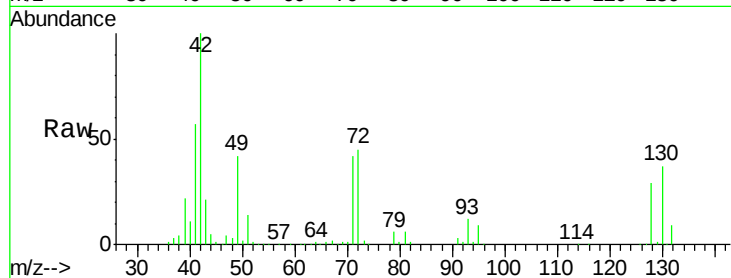
#29
Tetrahydrofuran
Concen: 239.576 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.6	53.4
71	41.2	33.8	50.8

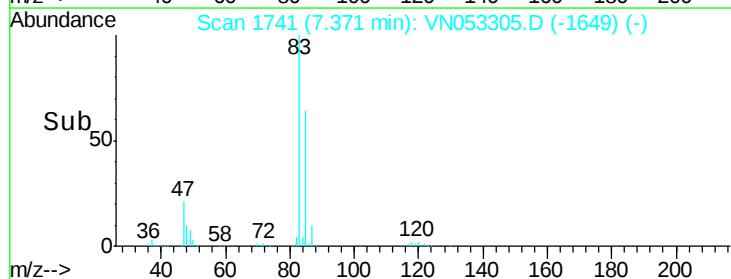
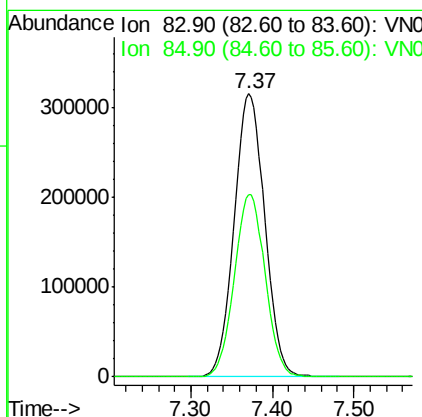
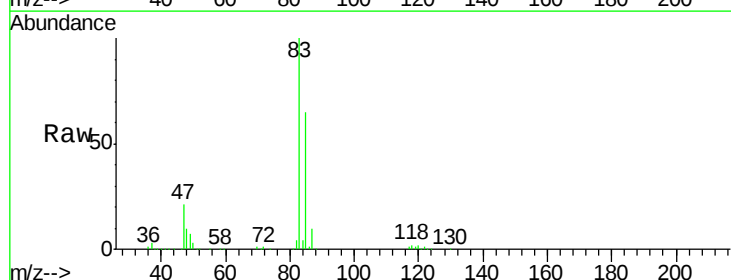
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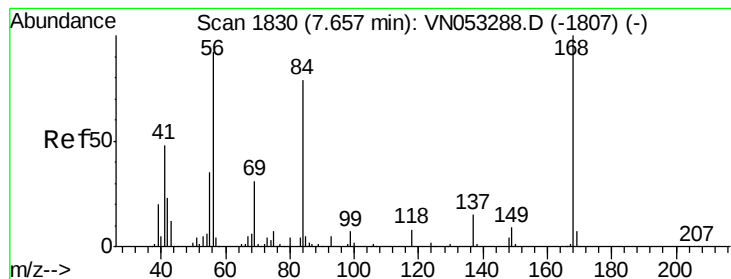
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#30
Chloroform
Concen: 48.815 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.3	76.9





#31

Cyclohexane

Concen: 49.630 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 807002

Ion Ratio Lower Upper

56 100

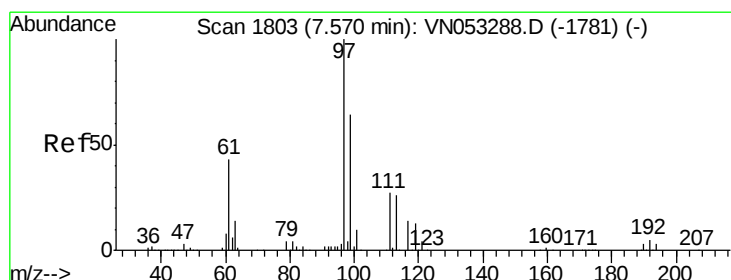
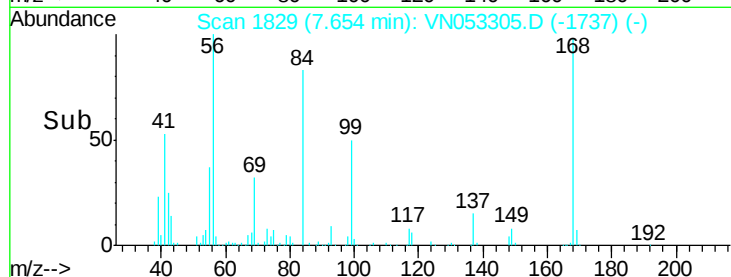
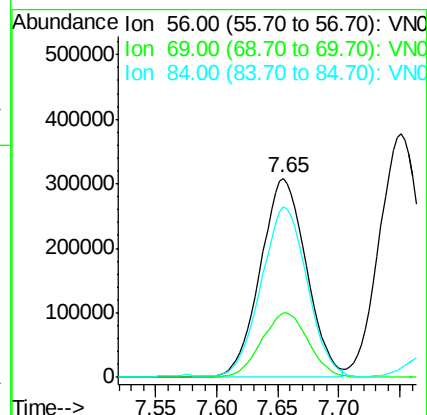
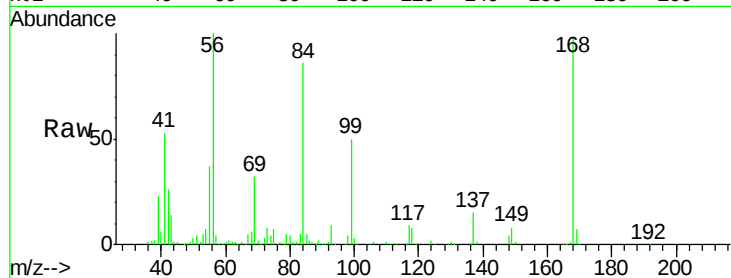
69 32.3 26.7 40.1

84 84.6 68.2 102.4

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#32

1,1,1-Trichloroethane

Concen: 48.647 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

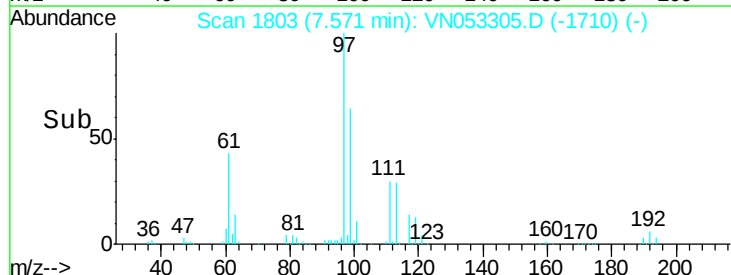
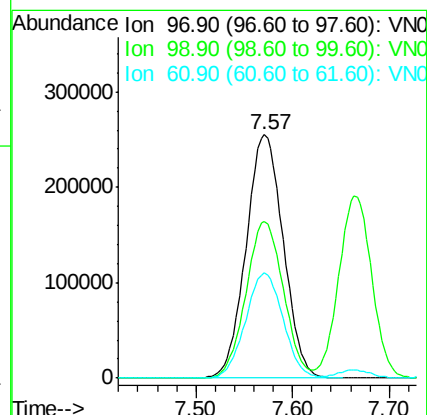
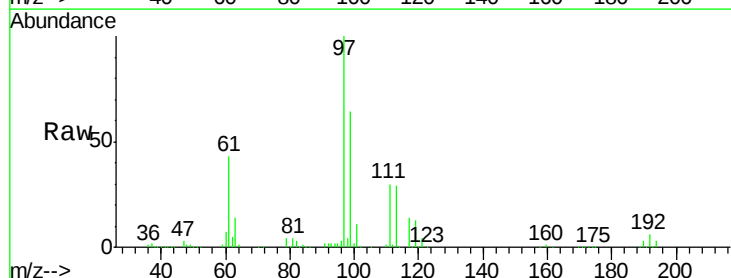
Tgt Ion: 97 Resp: 682713

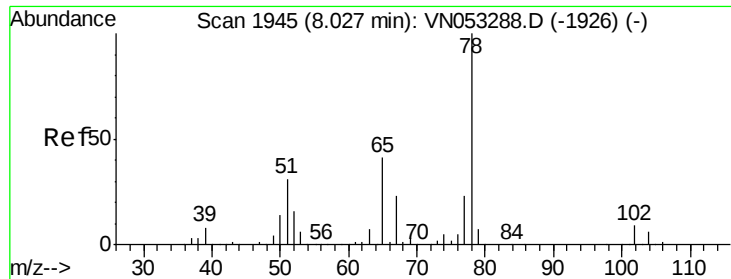
Ion Ratio Lower Upper

97 100

99 64.9 51.6 77.4

61 43.6 34.6 52.0





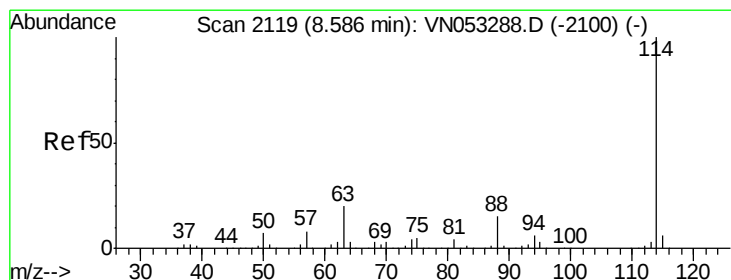
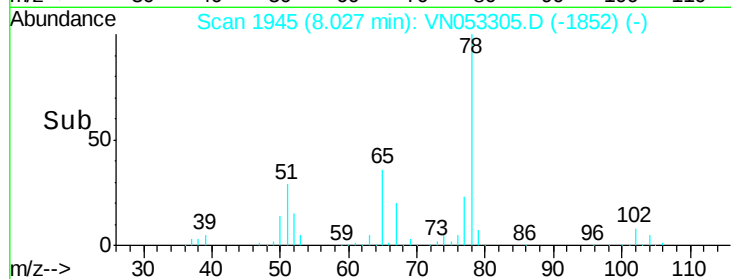
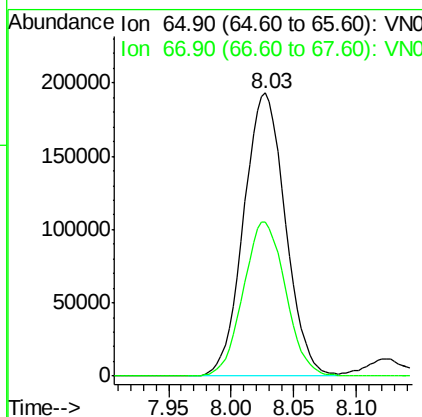
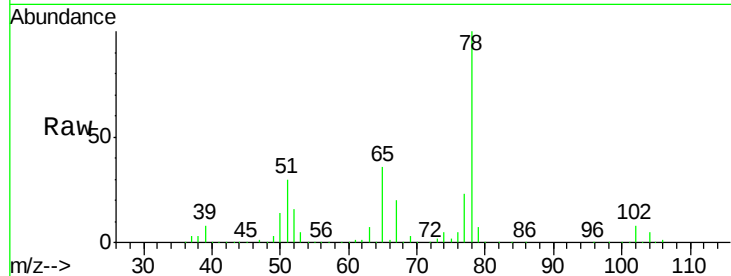
#33
 1,2-Dichloroethane-d4
 Concen: 48.647 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 447233
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 111.0

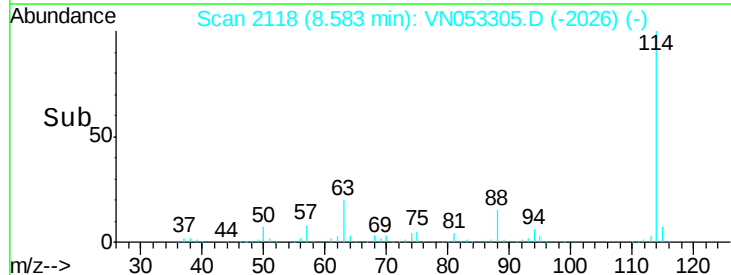
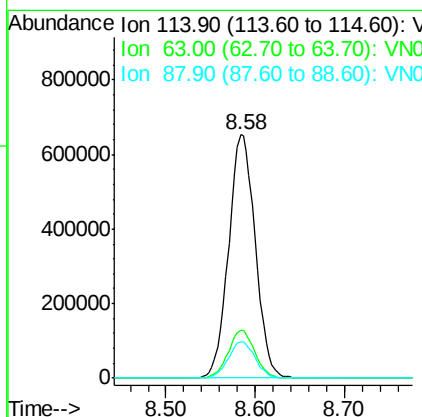
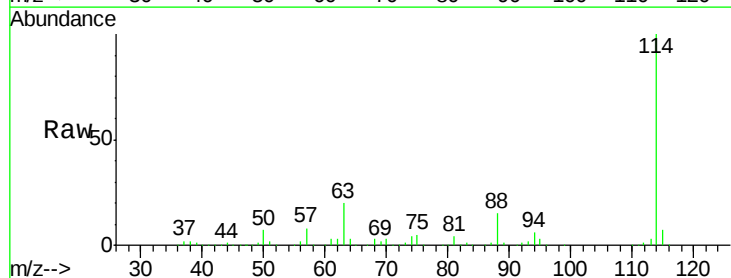
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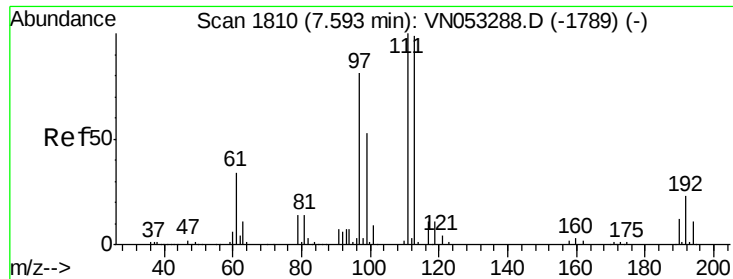
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Tgt Ion: 114 Resp: 1347170
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.1 0.0 30.8





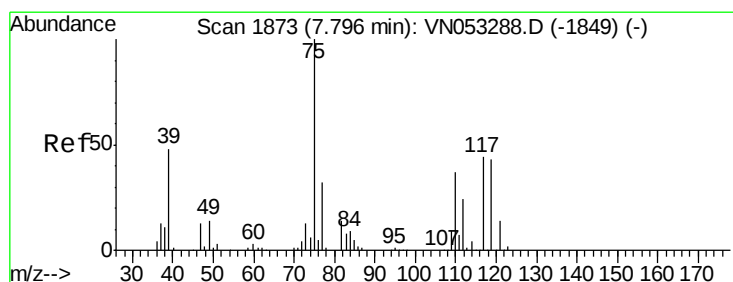
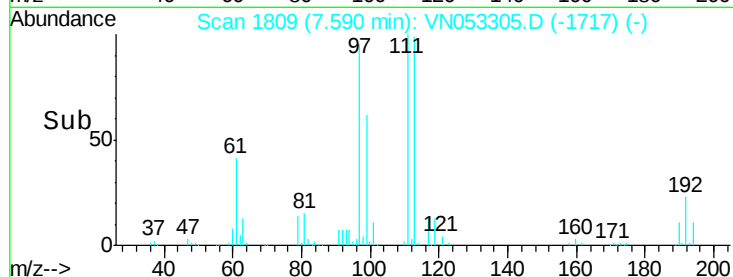
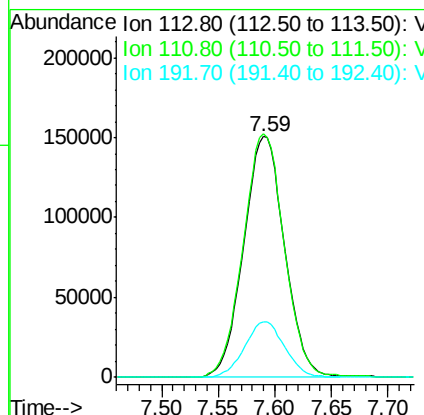
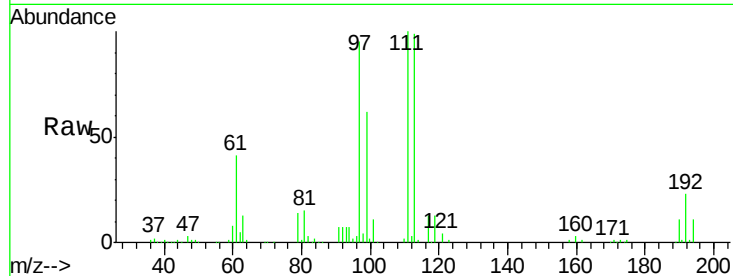
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.7	81.4	122.2	
192	22.8	17.9	26.9	

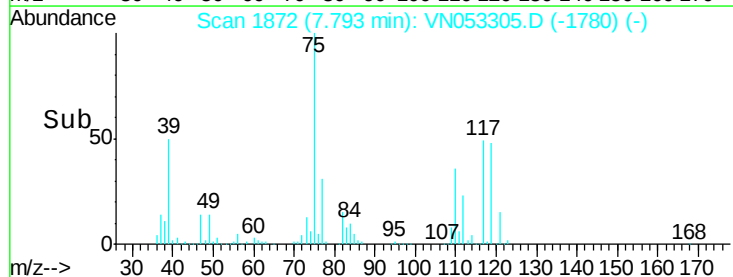
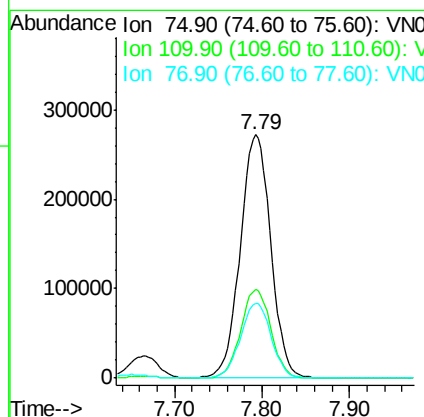
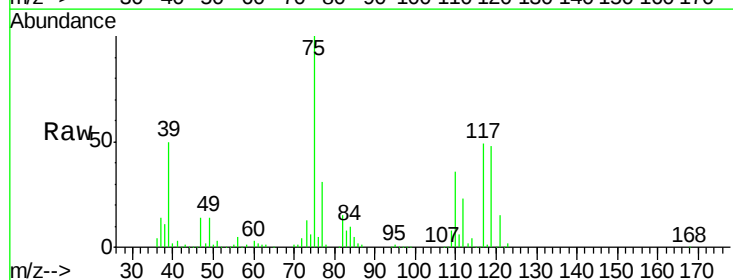
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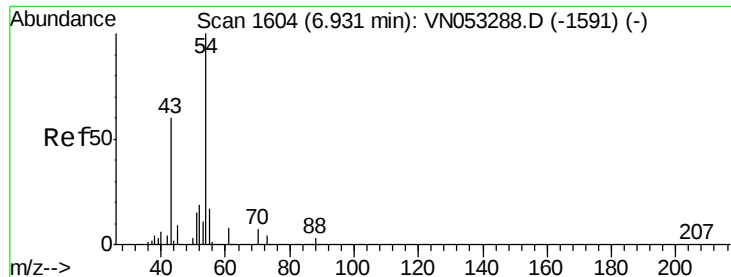
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#36
1,1-Dichloropropene
Concen: 52.074 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.1	18.4	55.0	
77	31.3	25.3	37.9	





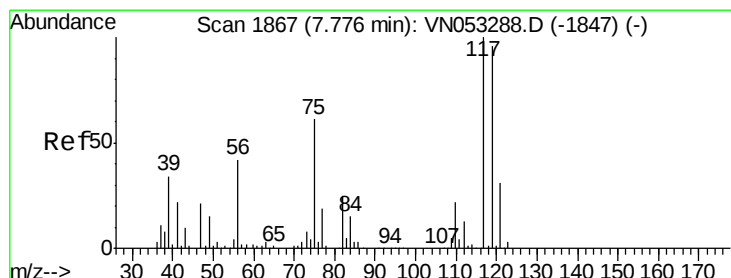
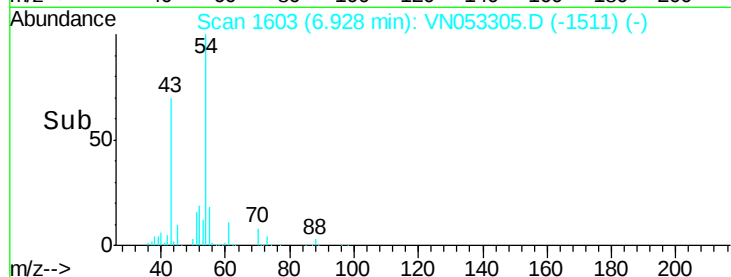
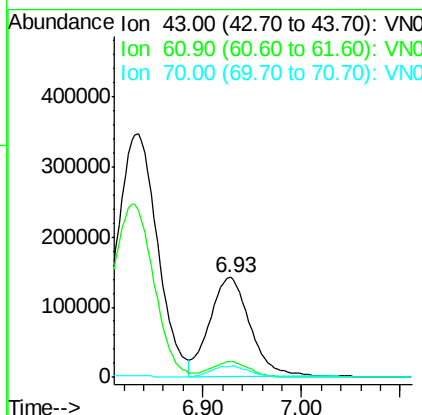
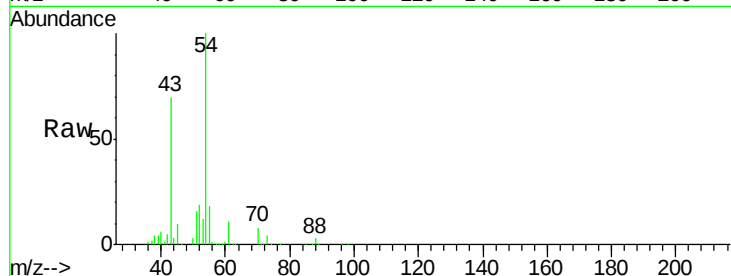
#37
Ethyl Acetate
Concen: 49.533 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.9	17.9
70	11.1	8.6	13.0

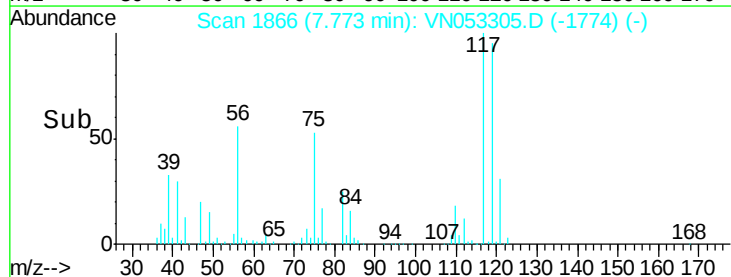
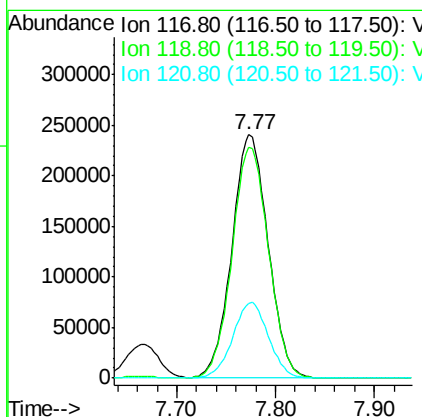
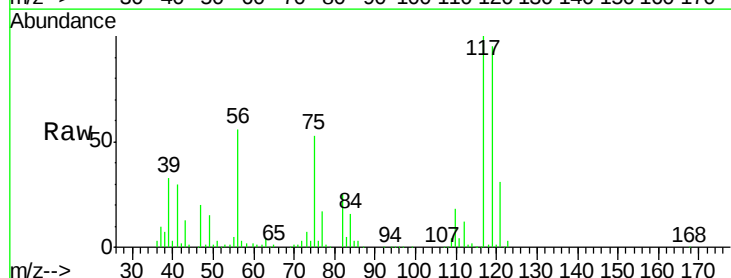
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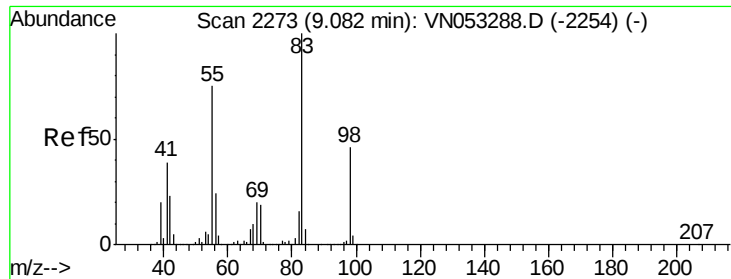
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#38
Carbon Tetrachloride
Concen: 52.670 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.6	115.0
121	30.7	25.0	37.4





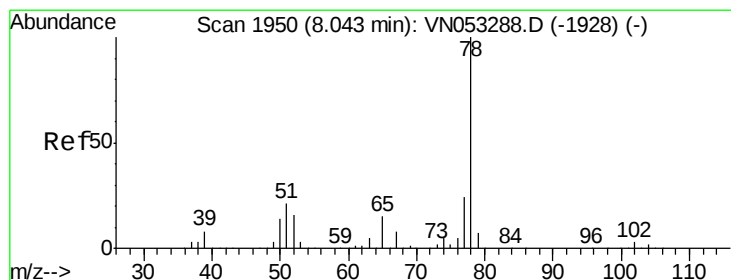
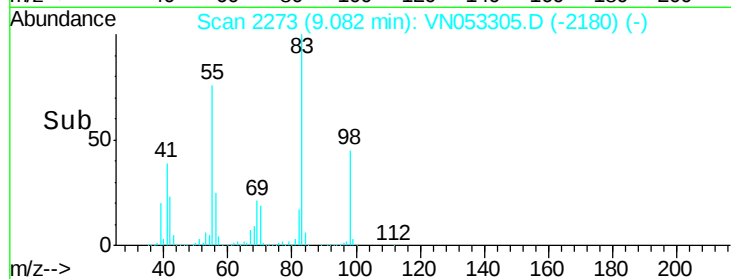
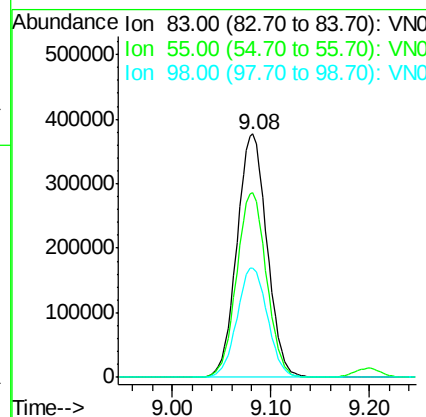
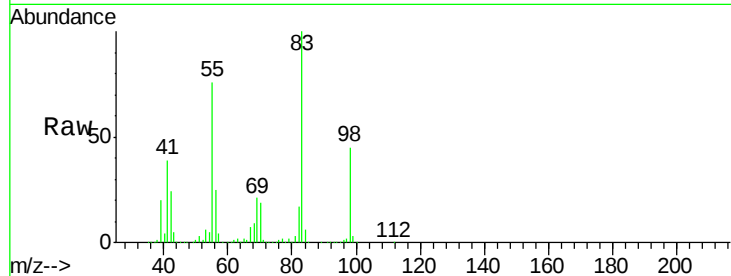
#39
Methvlcvclohexane
Concen: 54.484 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	60.1	90.1
98	44.9	36.7	55.1

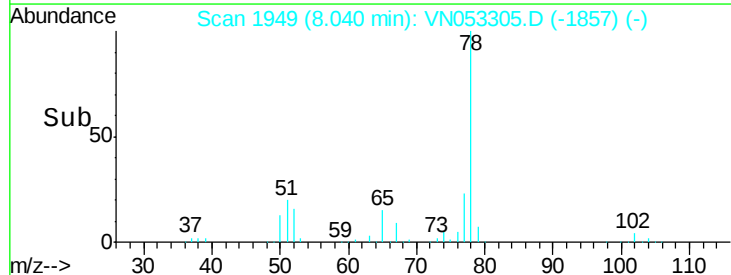
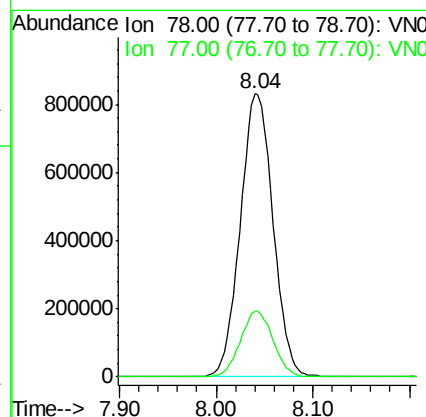
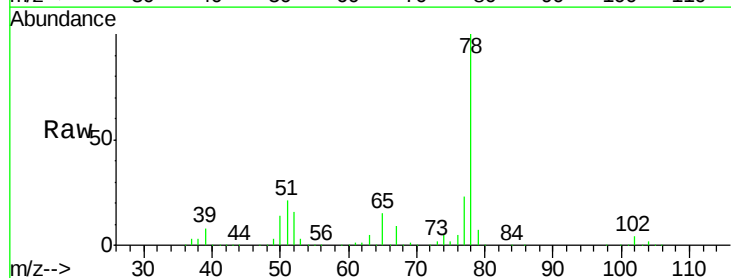
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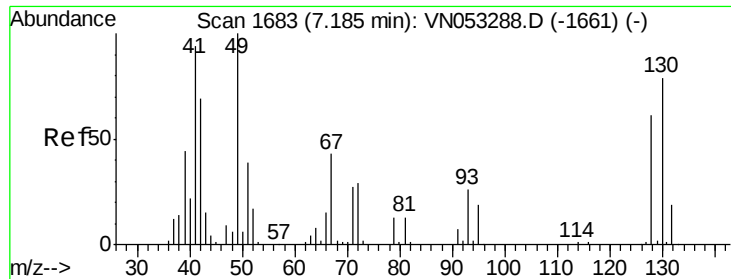
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#40
Benzene
Concen: 50.956 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4





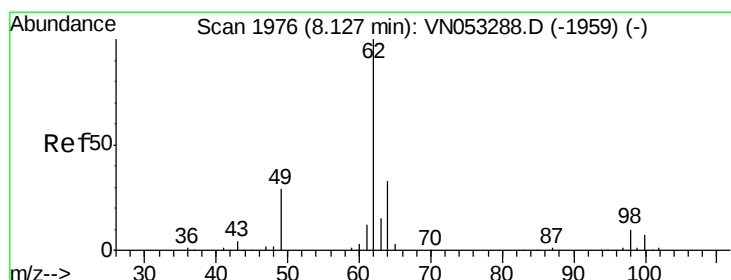
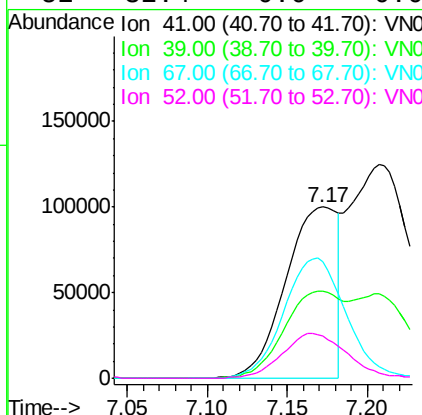
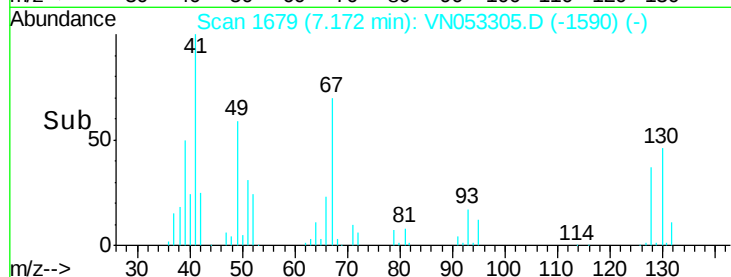
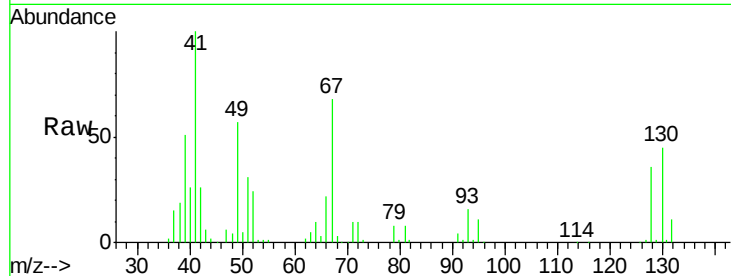
#41
Methacrylonitrile
Concen: 44.384 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.4	0.0	0.0#
67	84.5	0.0	0.0#
52	32.4	0.0	0.0#

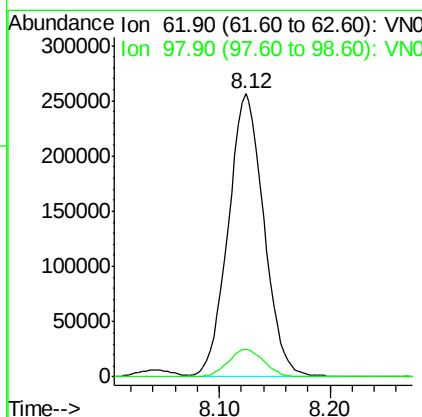
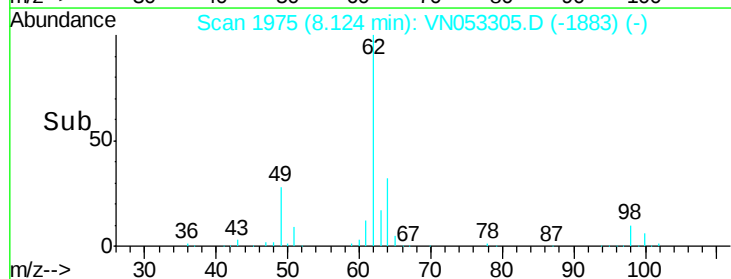
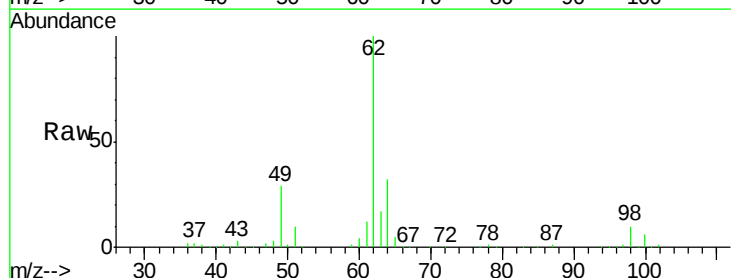
Manual Integrations
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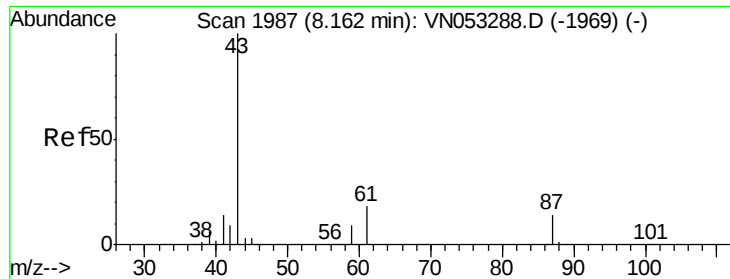
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.173 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2





#43

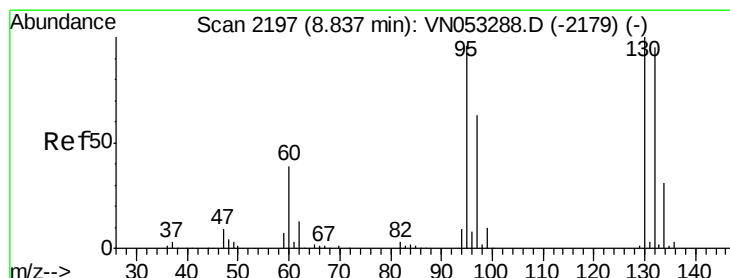
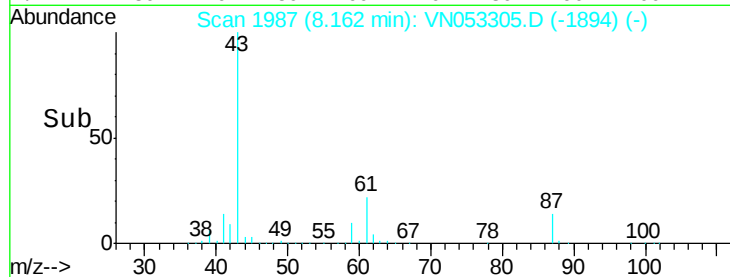
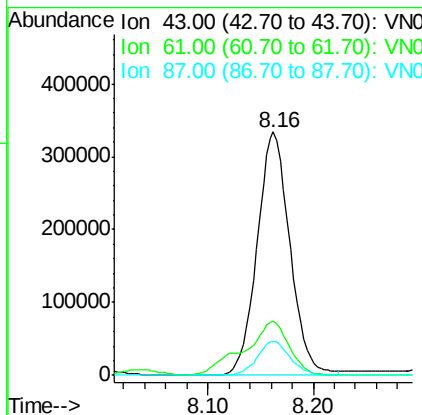
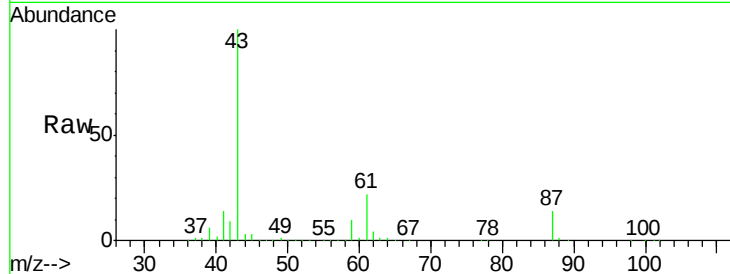
Isopropyl Acetate
 Concen: 44.739 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	721001
Ion Ratio	100	Lower	Upper
43	100		
61	30.5	23.3	34.9
87	13.9	10.8	16.2

Manual Integrations
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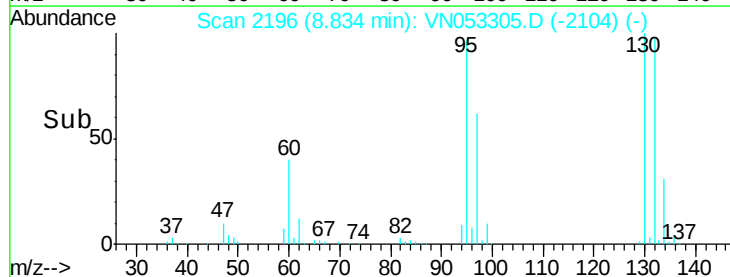
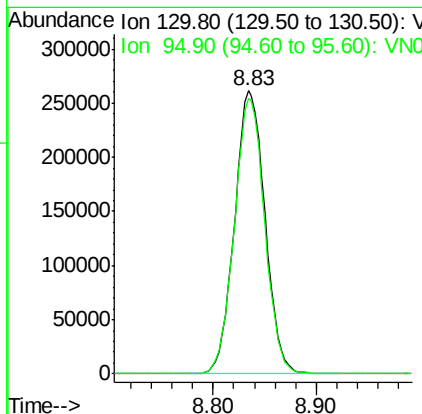
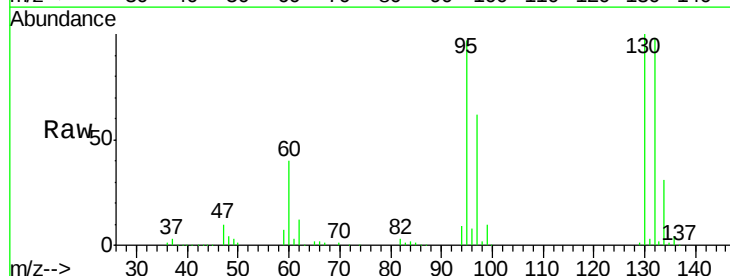
MMDadoda
 1/9/2019 10:57:32 AM

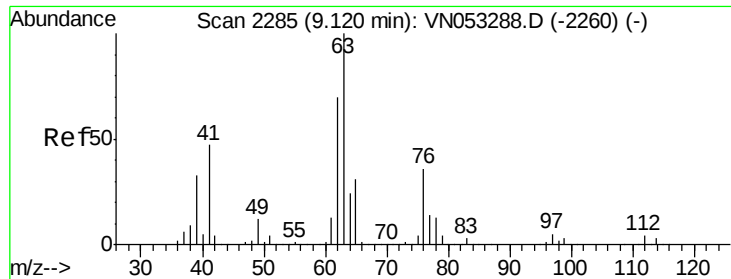


#44

Trichloroethene
 Concen: 50.982 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Tgt Ion	130	Resp	537797
Ion Ratio	100	Lower	Upper
130	100		
95	97.4	0.0	191.8





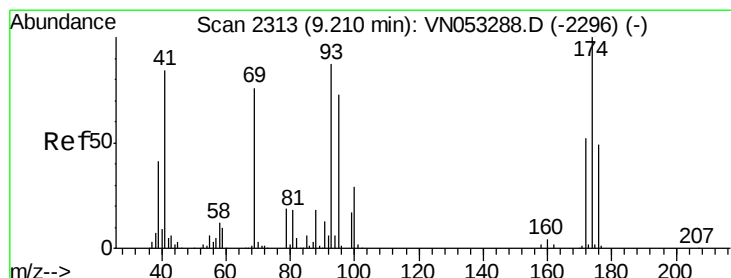
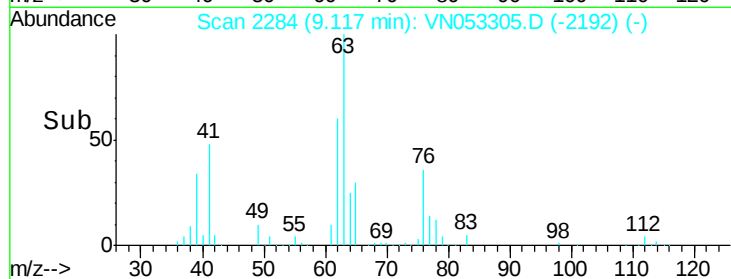
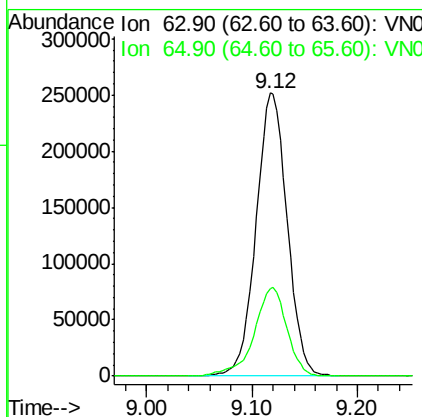
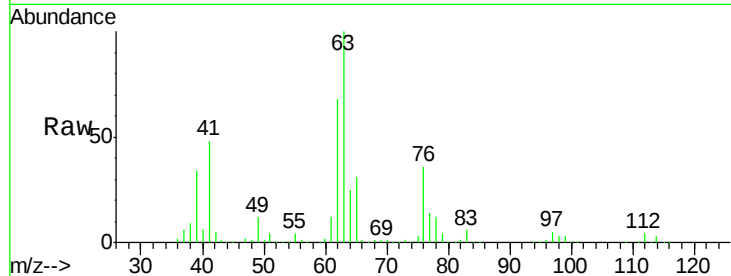
#45
 1,2-Dichloropropane
 Concen: 51.311 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 517007
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.6

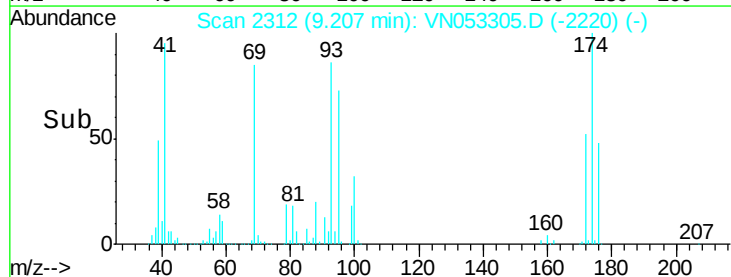
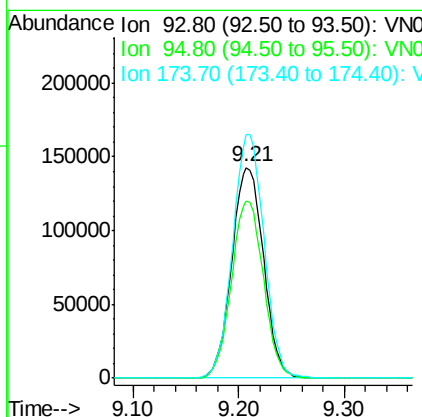
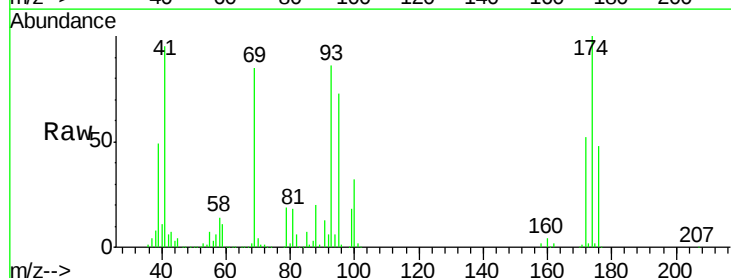
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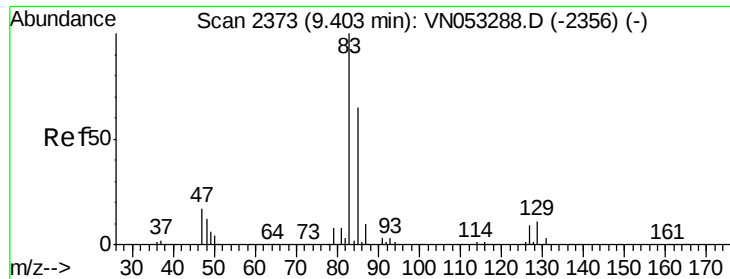
MMDadoda
 1/9/2019 10:57:32 AM



#46
 Dibromomethane
 Concen: 50.933 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Tgt Ion: 93 Resp: 299227
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.6 100.0
 174 114.2 91.4 137.0





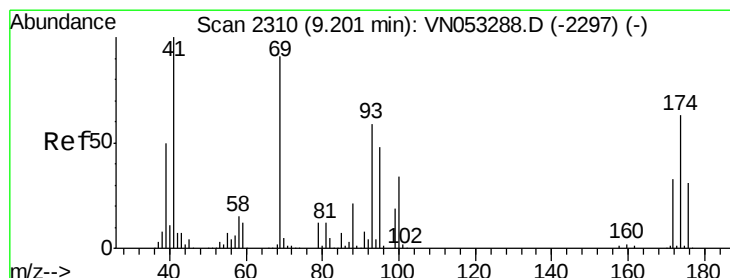
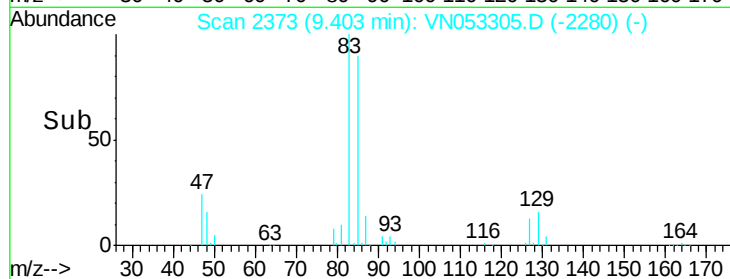
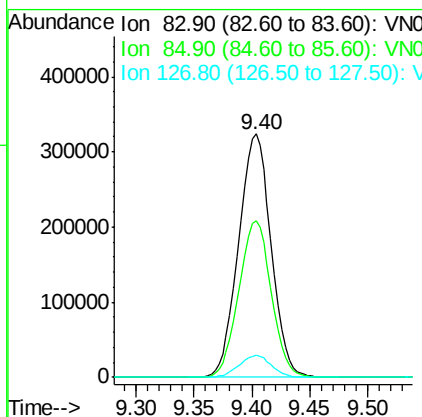
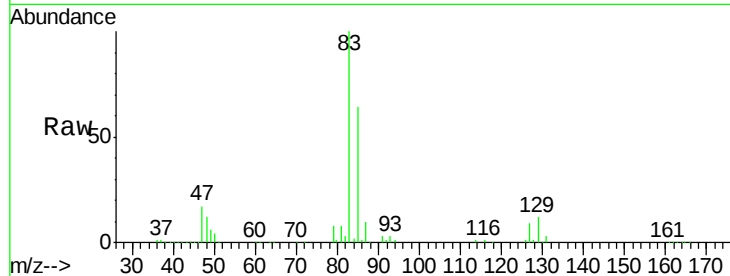
#47
Bromodichloromethane
Concen: 51.633 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	632142
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	51.7	77.5
127	9.0	7.0	10.6

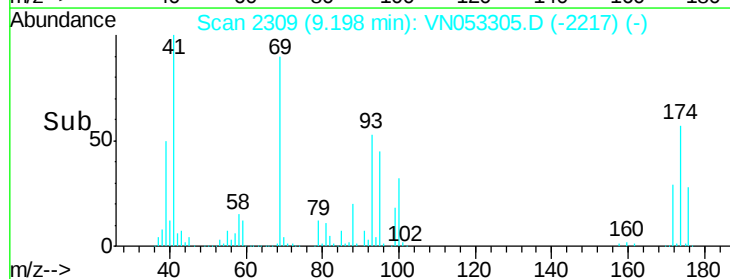
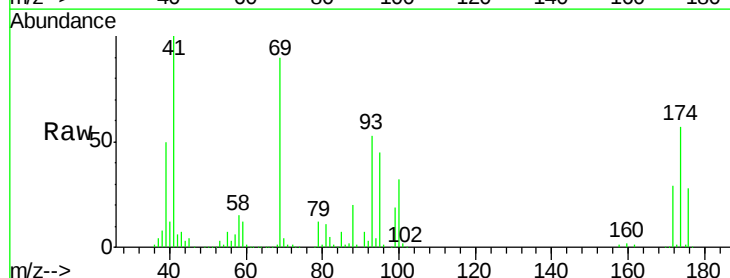
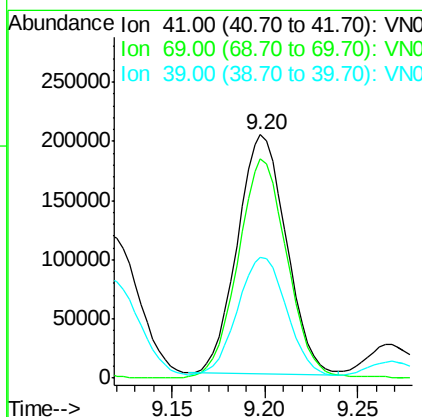
Manual Integrations
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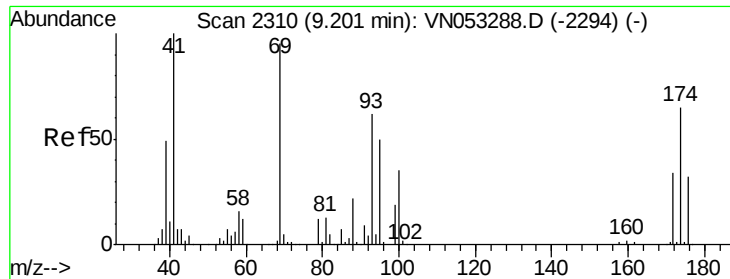
MMDadoda
1/9/2019 10:57:32 AM



#48
Methyl methacrylate
Concen: 50.715 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion	41	Resp	371314
Ion Ratio	100	Lower	Upper
41	100		
69	92.5	73.5	110.3
39	52.1	41.6	62.4





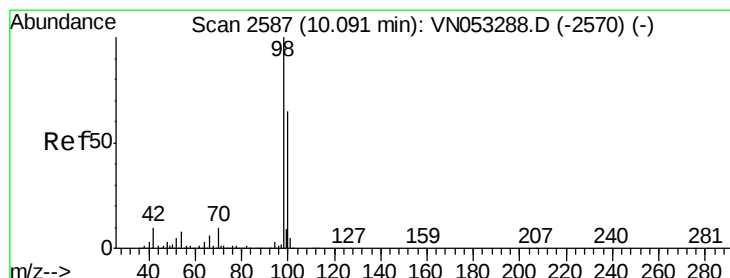
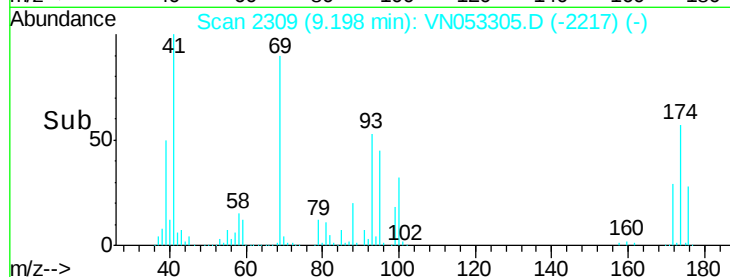
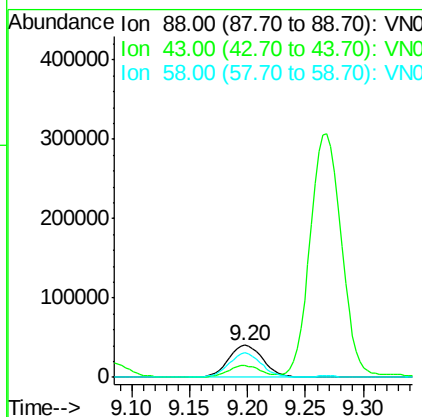
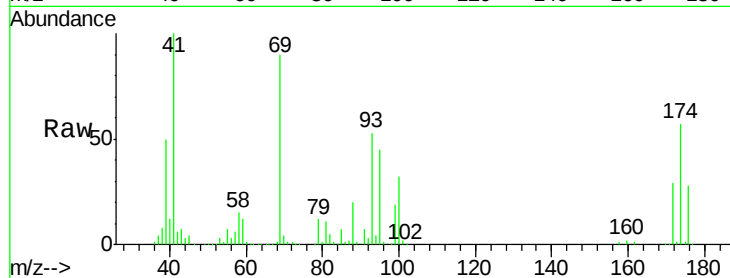
#49
1,4-Dioxane
Concen: 1091.420 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	88	Resp	85137
Ion Ratio	100	Lower	Upper
88	100		
43	32.9	26.2	39.4
58	70.5	55.5	83.3

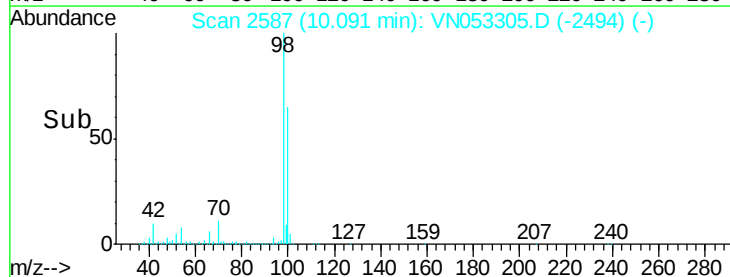
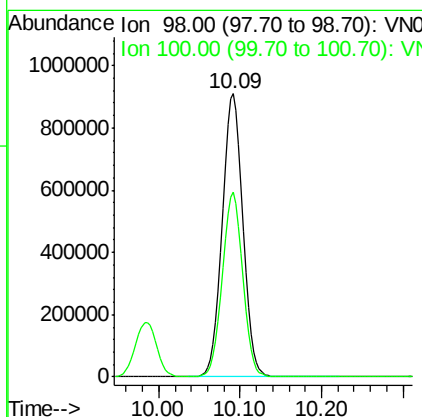
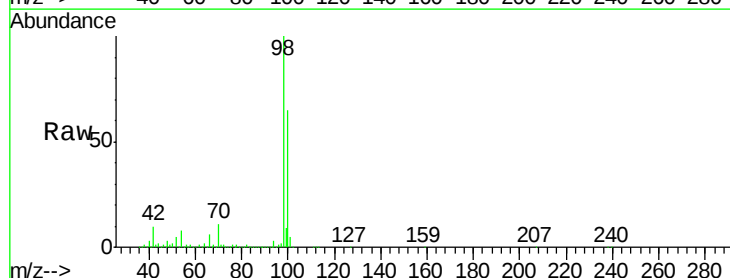
Manual Integrations
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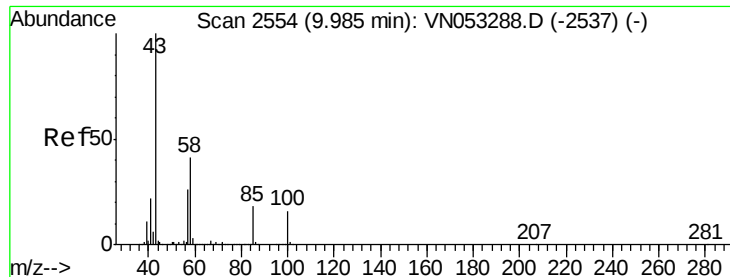
MMDadoda
1/9/2019 10:57:32 AM



#50
Toluene-d8
Concen: 1091.420 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion	98	Resp	1636033
Ion Ratio	100	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 254.759 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2064628

Ion Ratio Lower Upper

43 100

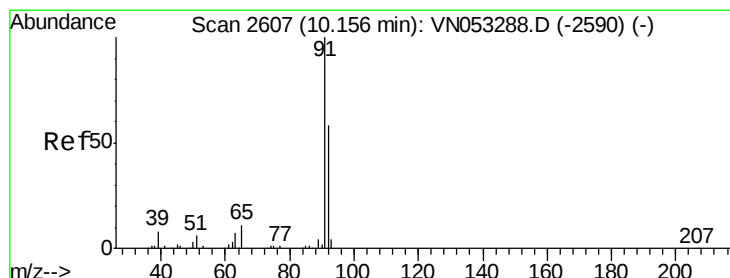
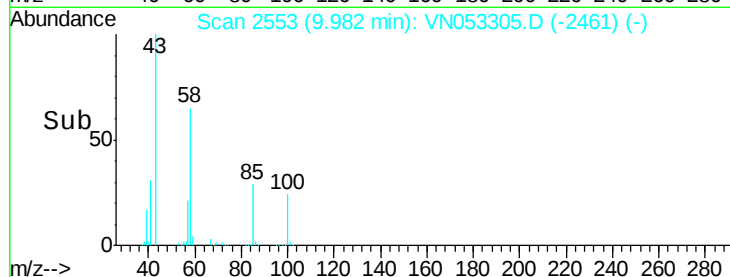
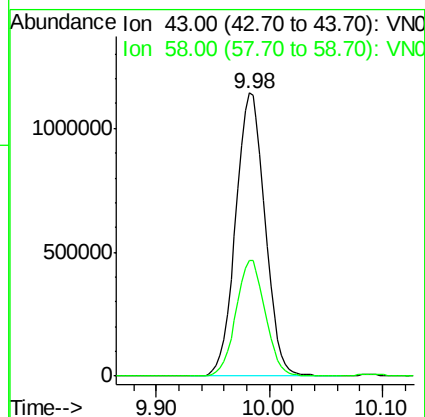
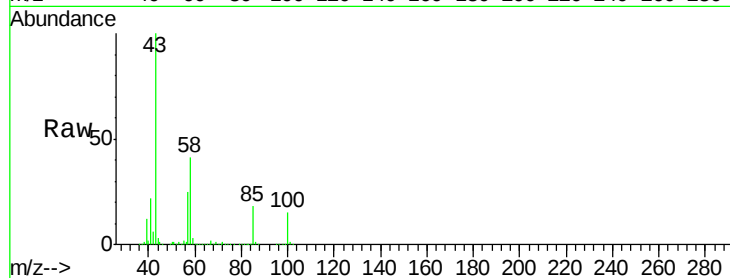
58 40.7 32.7 49.1

Manual Integrations

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MMDadoda

1/9/2019 10:57:32 AM



#52

Toluene

Concen: 51.807 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053305.D

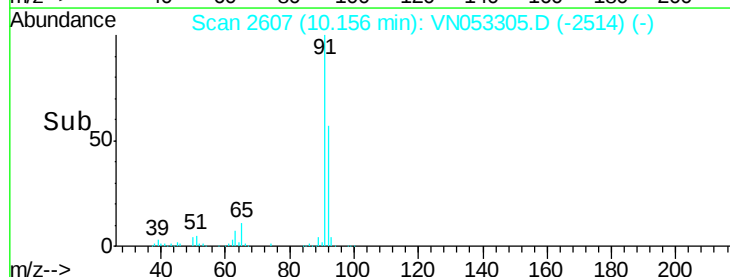
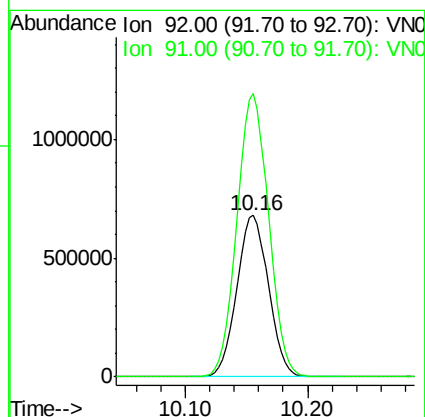
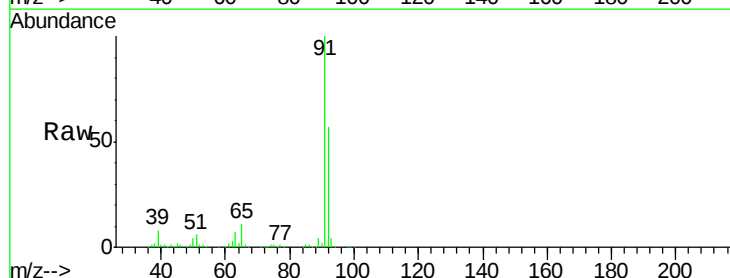
Acq: 8 Jan 2019 9:08

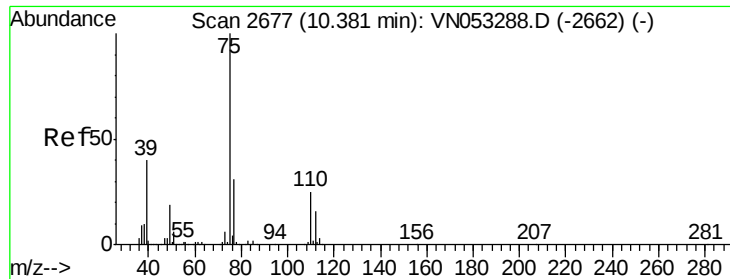
Tgt Ion: 92 Resp: 1221028

Ion Ratio Lower Upper

92 100

91 176.2 138.6 208.0





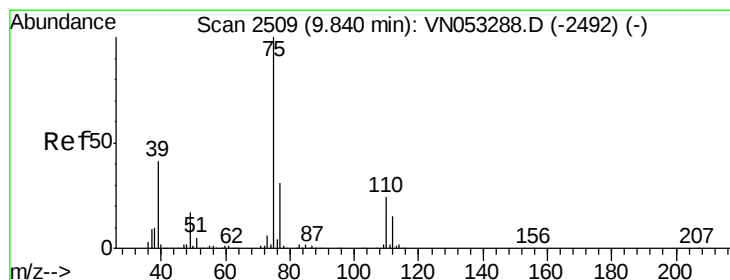
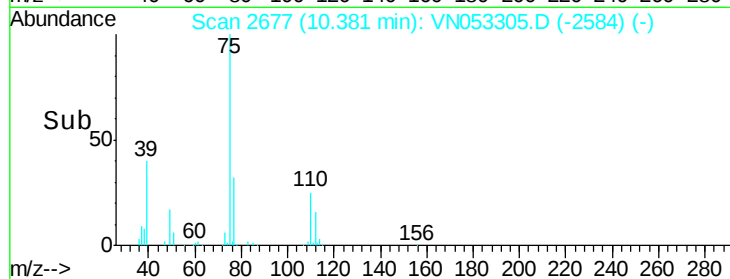
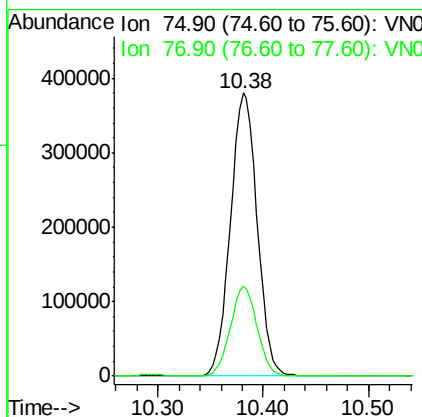
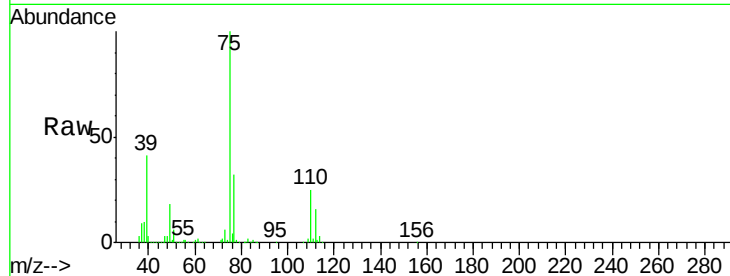
#53
t-1,3-Dichloropropene
Concen: 53.140 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4

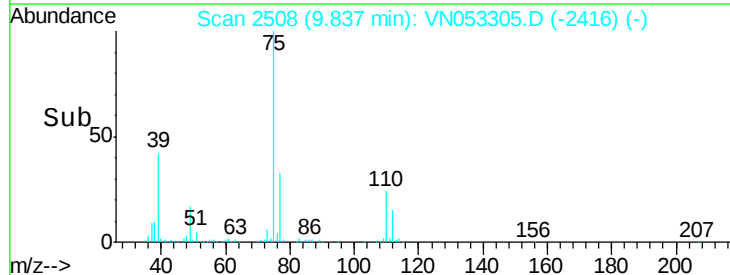
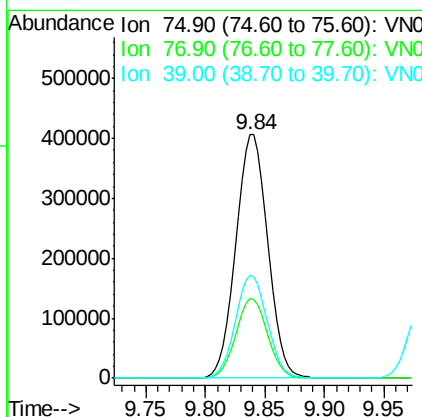
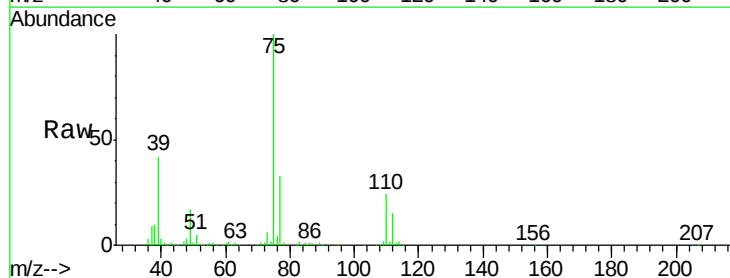
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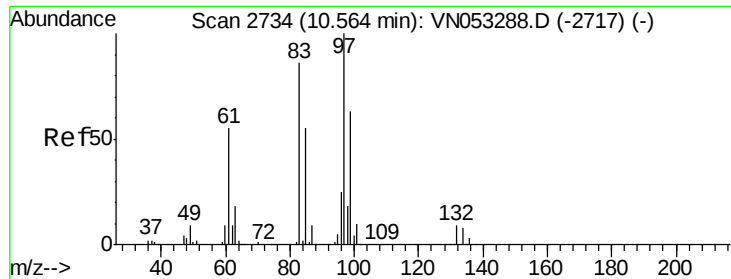
MMDadoda
1/9/2019 10:57:32 AM



#54
cis-1,3-Dichloropropene
Concen: 52.361 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.1	37.7
39	42.3	33.1	49.7





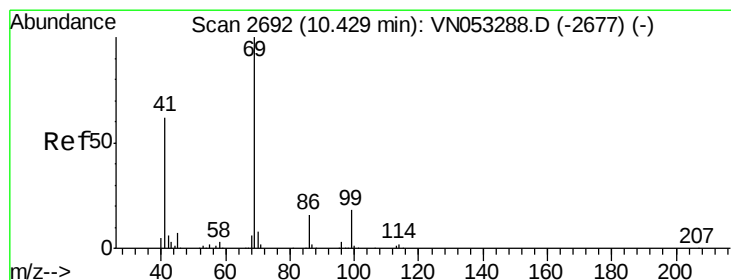
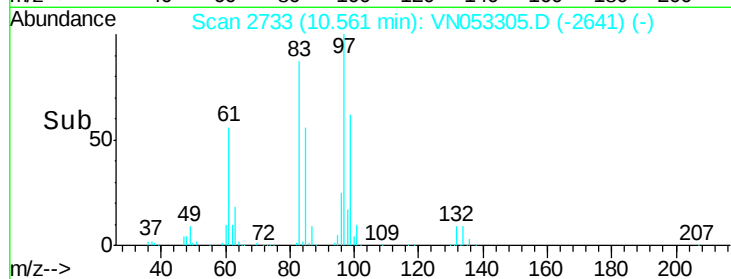
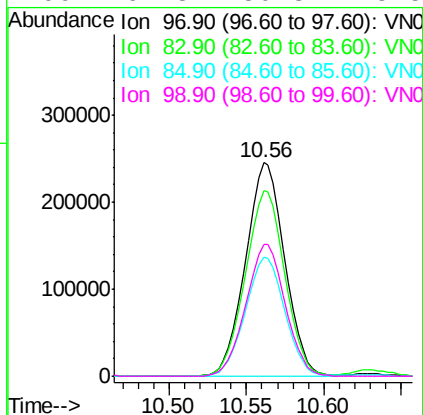
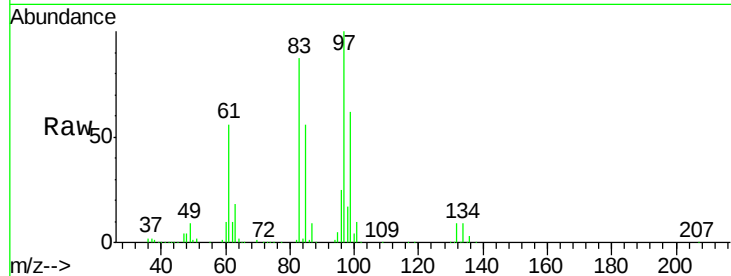
#55
 1,1,2-Trichloroethane
 Concen: 49.901 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.1	103.7
85	55.8	44.2	66.4
99	61.8	50.3	75.5

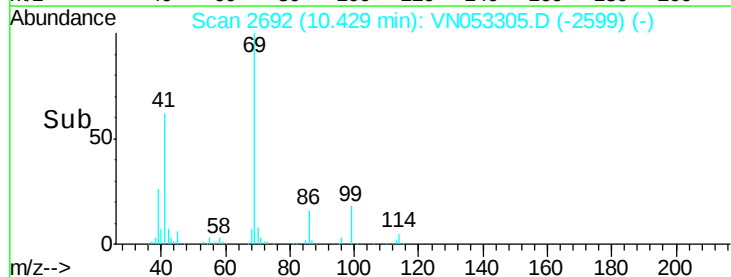
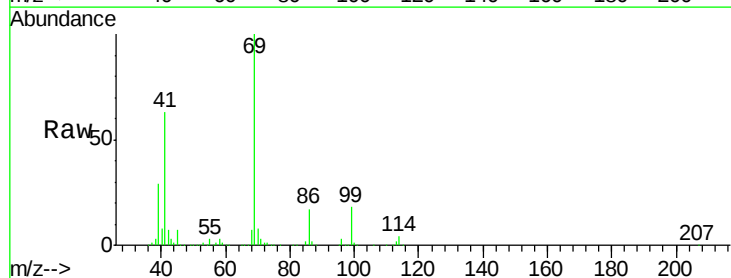
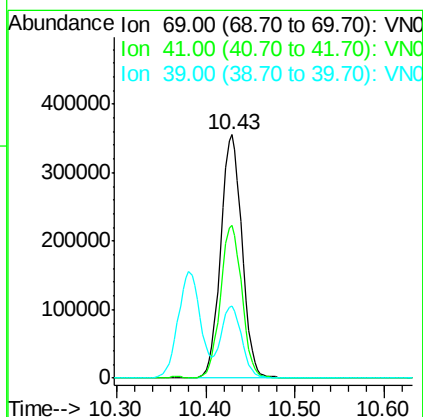
Manual Integrations
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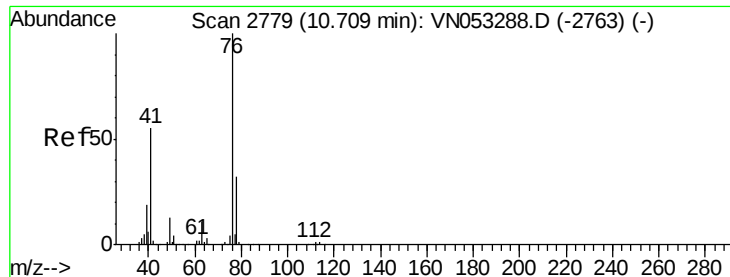
MMDadoda
 1/9/2019 10:57:32 AM



#56
 Ethyl methacrylate
 Concen: 52.180 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.6	49.2	73.8
39	29.2	23.4	35.0





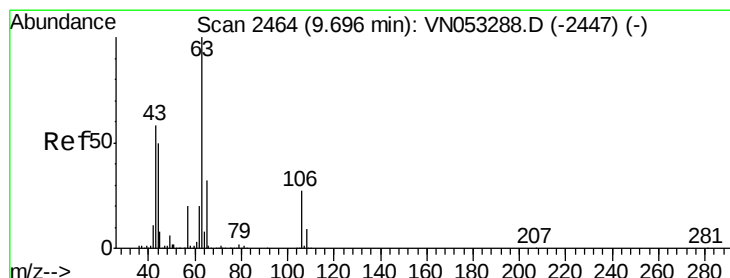
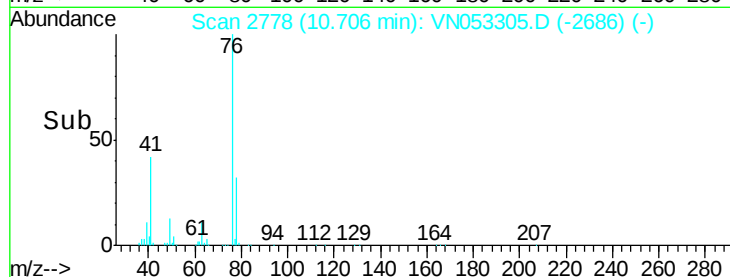
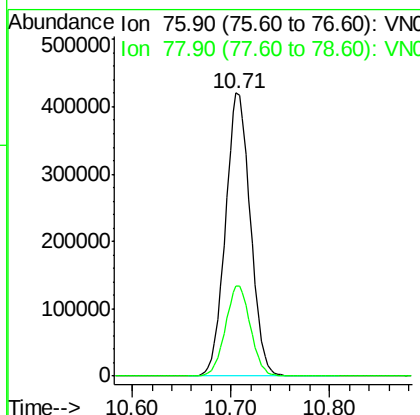
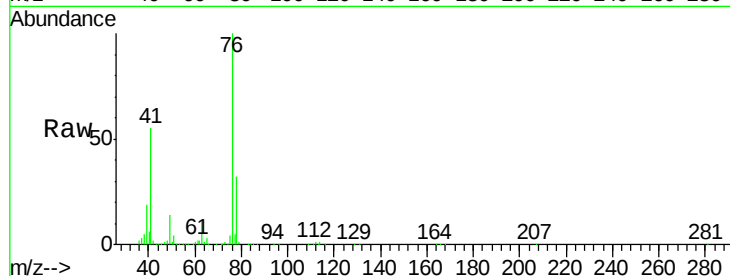
#57
 1,3-Dichloropropane
 Concen: 51.357 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

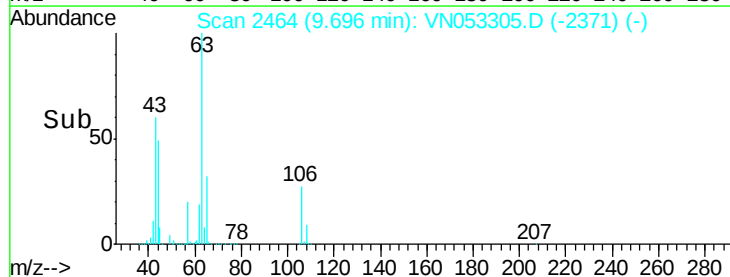
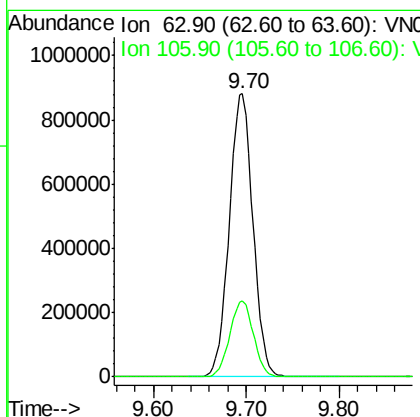
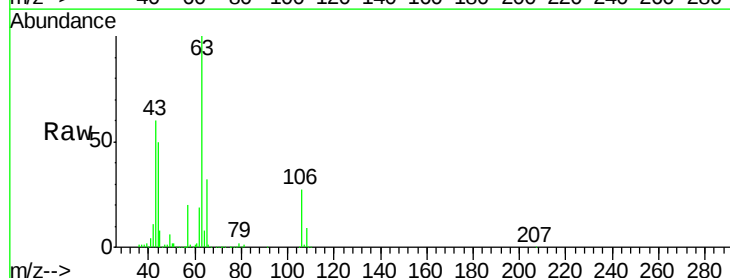
Manual Integrations
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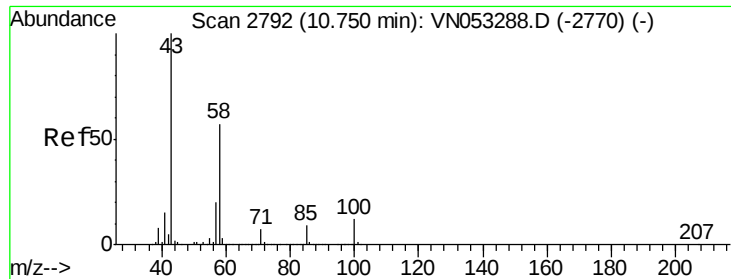
MMDadoda
 1/9/2019 10:57:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.785 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.7	32.5





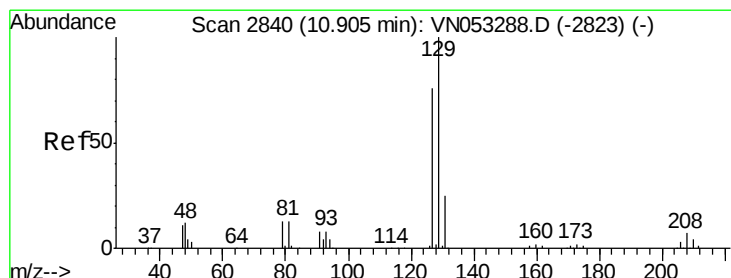
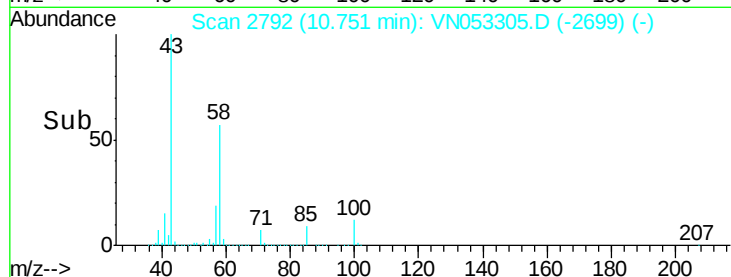
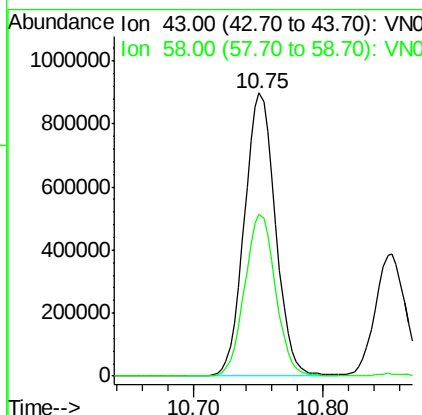
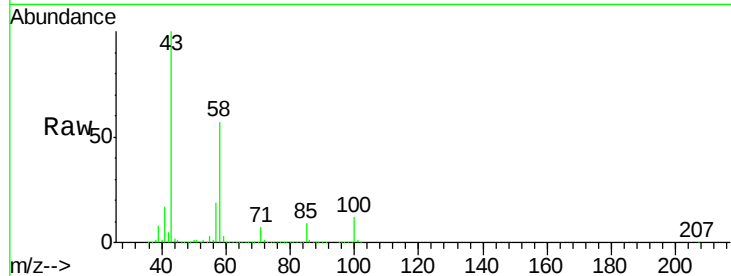
#59
2-Hexanone
Concen: 271.679 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1508559
Ion Ratio Lower Upper
43 100
58 56.8 28.3 85.0

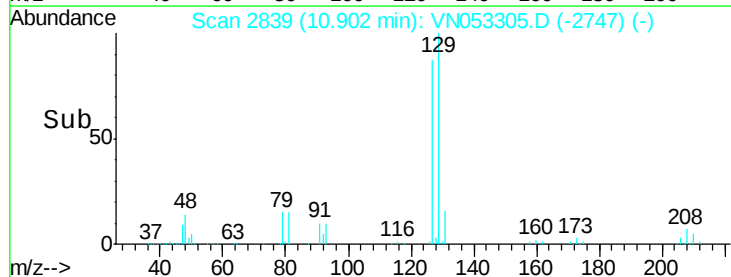
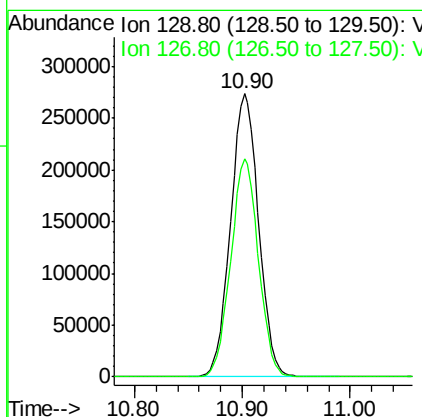
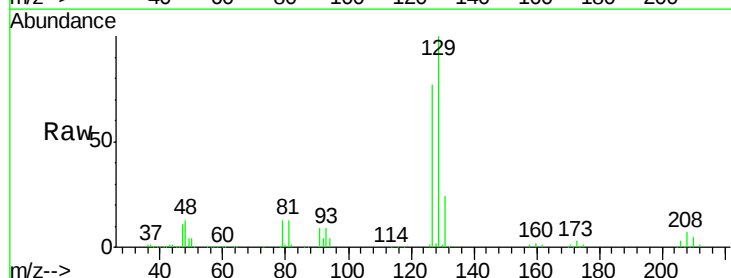
Manual Integrations
APPROVED

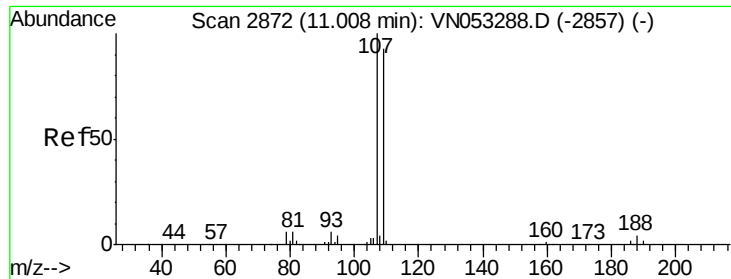
MMDadoda
1/9/2019 10:57:32 AM



#60
Dibromochloromethane
Concen: 52.985 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion: 129 Resp: 495257
Ion Ratio Lower Upper
129 100
127 76.1 38.4 115.2





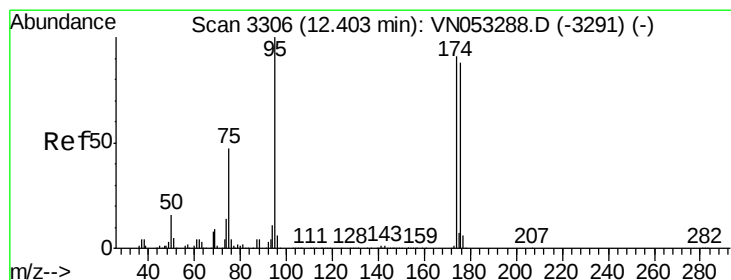
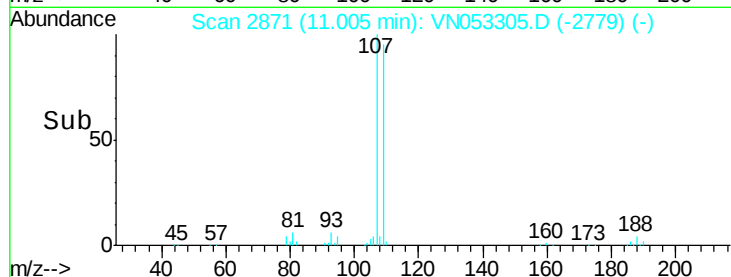
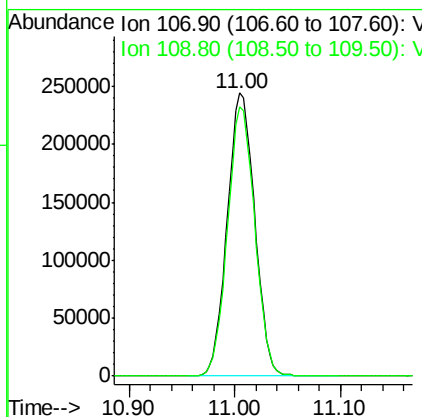
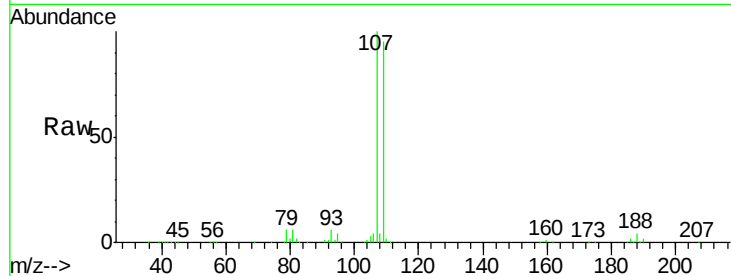
#61
 1,2-Dibromoethane
 Concen: 51.484 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 107 Resp: 440289
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.0 112.6

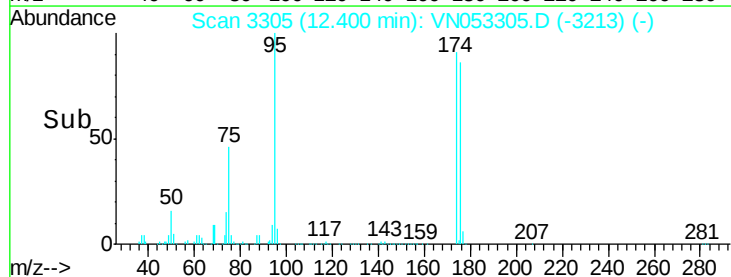
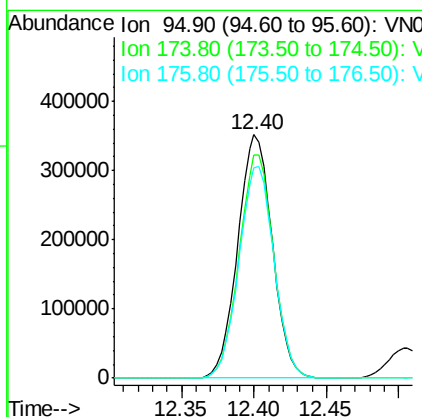
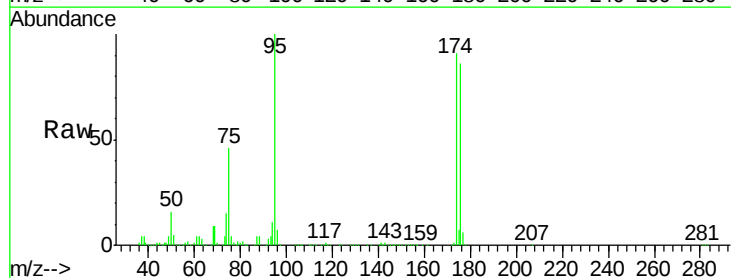
Manual Integrations
 APPROVED

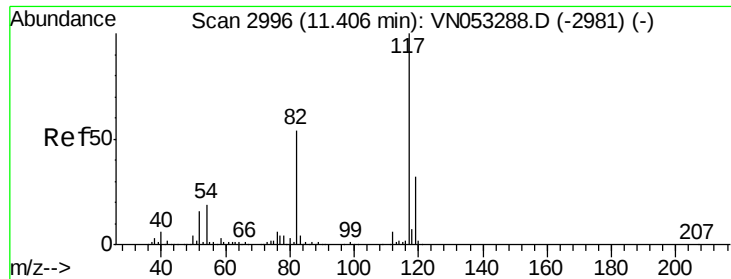
MMDadoda
 1/9/2019 10:57:32 AM



#62
 4-Bromofluorobenzene
 Concen: 51.484 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Tgt Ion: 95 Resp: 582304
 Ion Ratio Lower Upper
 95 100
 174 91.7 0.0 180.4
 176 88.2 0.0 175.6





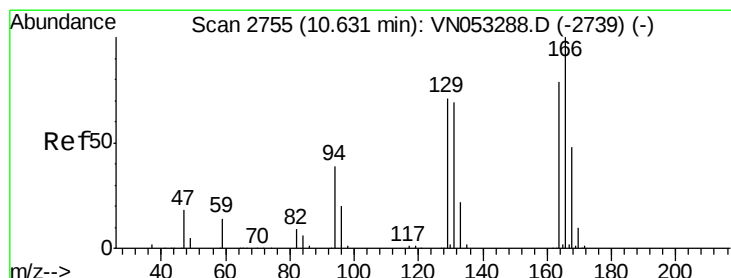
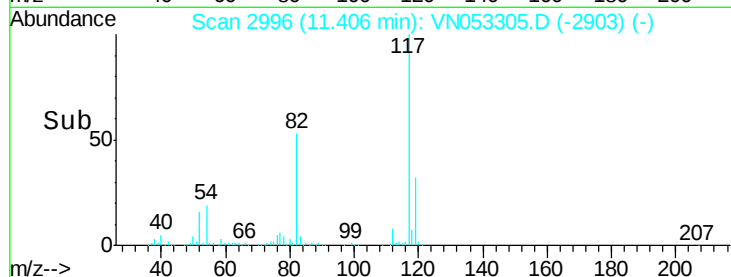
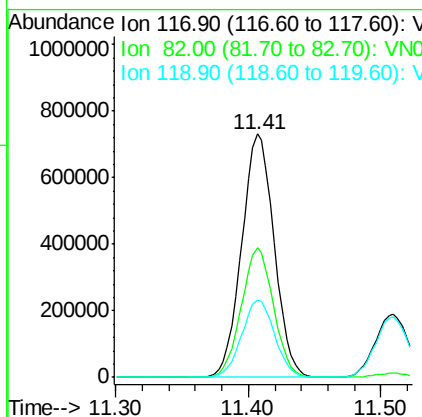
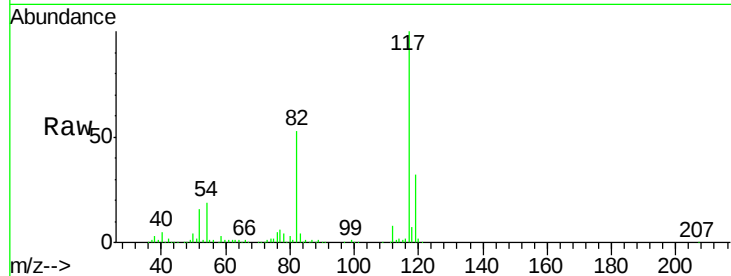
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.9	64.3
119	31.9	25.6	38.4

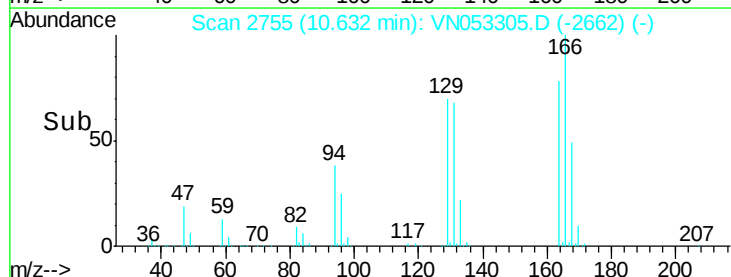
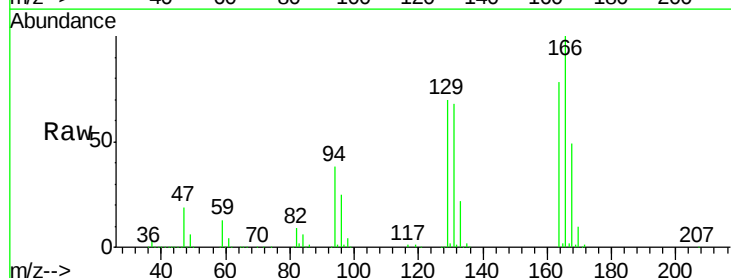
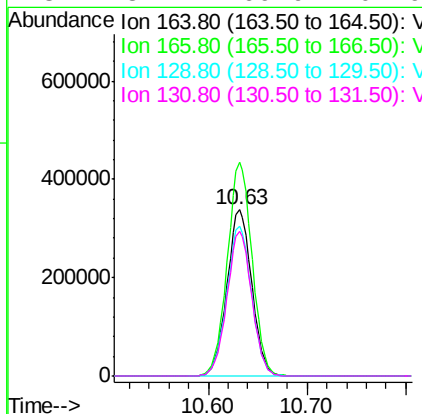
Manual Integrations
APPROVED

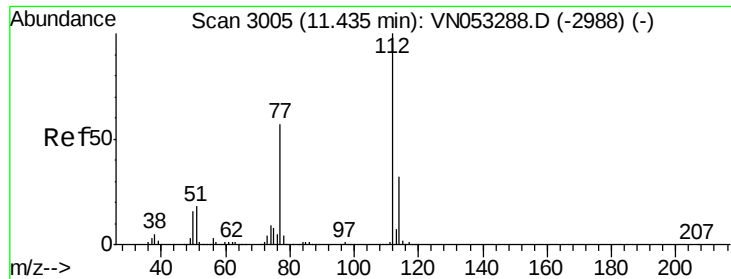
MMDadoda
1/9/2019 10:57:32 AM



#64
Tetrachloroethene
Concen: 50.752 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	101.7	152.5
129	90.4	72.1	108.1
131	87.2	69.9	104.9





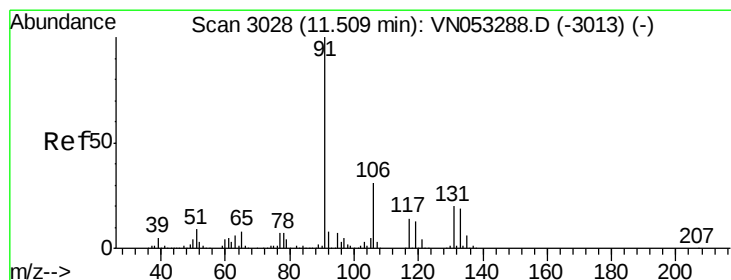
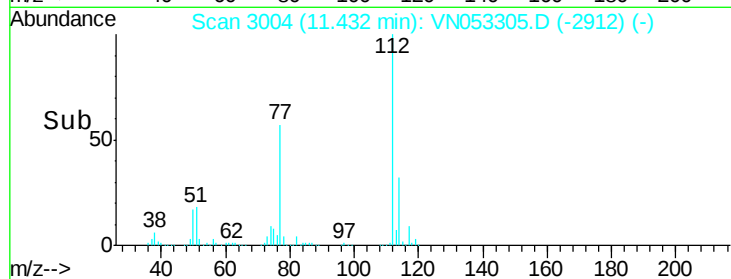
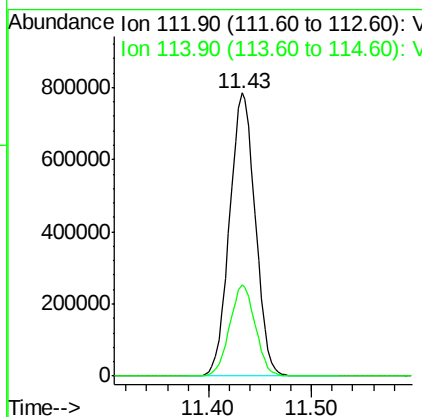
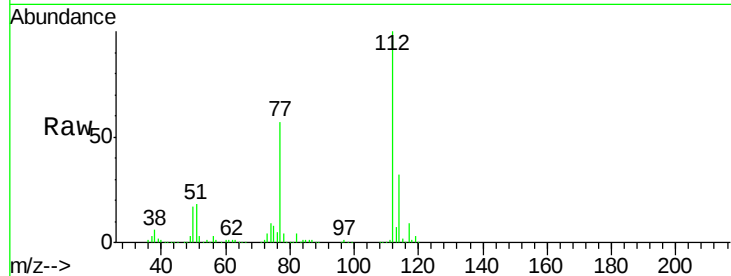
#65
Chlorobenzene
Concen: 50.542 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1363552
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4

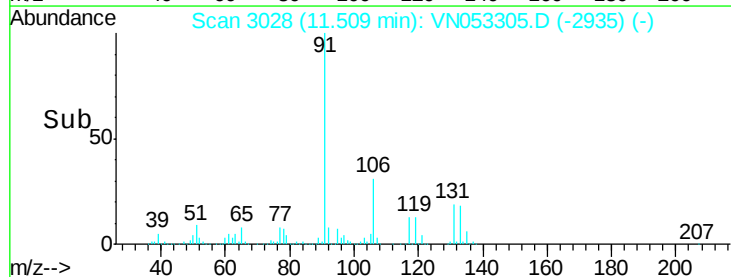
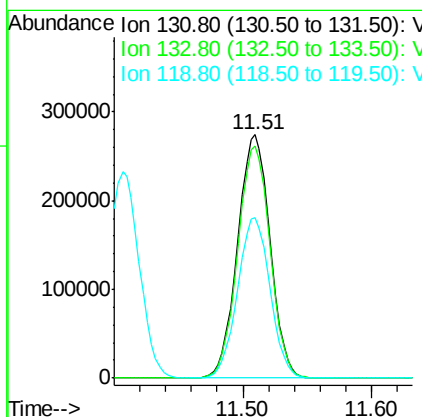
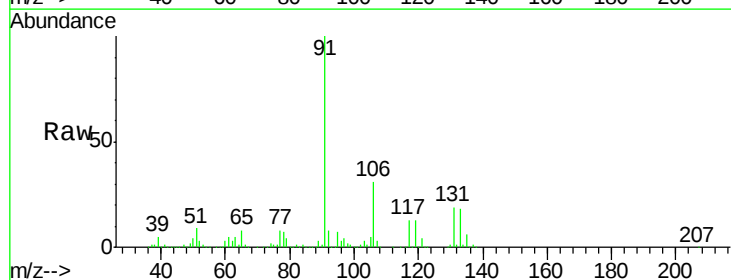
Manual Integrations
APPROVED

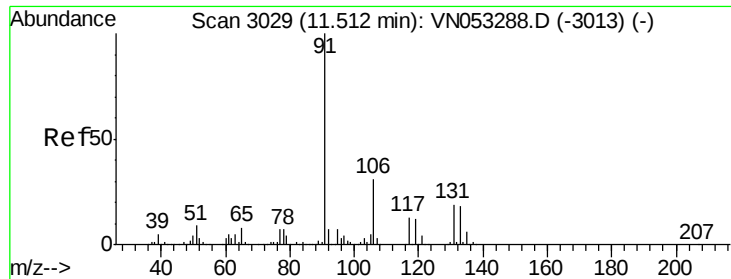
MMDadoda
1/9/2019 10:57:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.723 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion:131 Resp: 478972
Ion Ratio Lower Upper
131 100
133 95.3 48.0 144.0
119 66.2 33.3 99.9





#67

Ethyl Benzene

Concen: 52.157 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 2391055

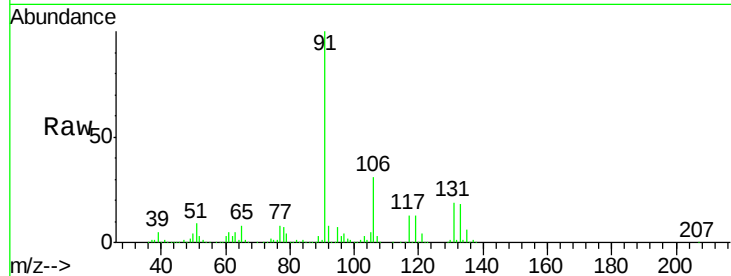
Ion Ratio Lower Upper

91 100

106 31.1 25.0 37.4

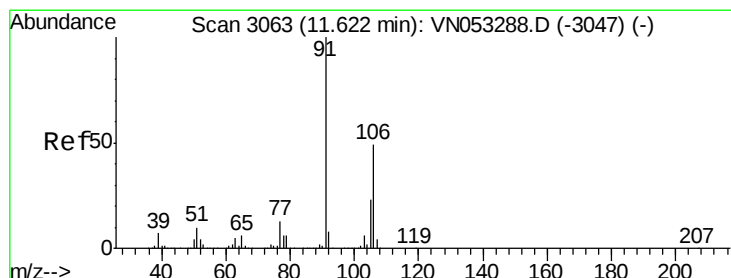
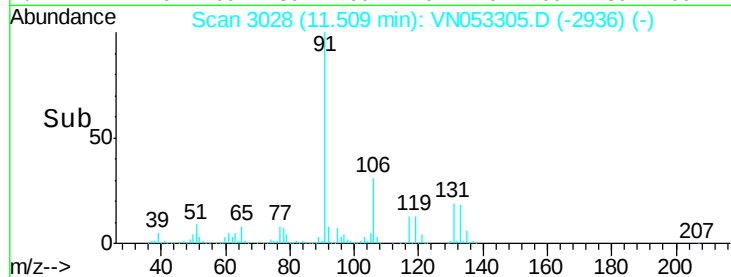
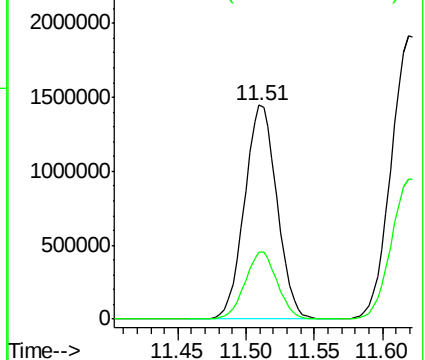
Manual Integrations
APPROVED

MMDadoda
1/9/2019 10:57:32 AM



Abundance Ion 91.00 (90.70 to 91.70): VN053288.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN053288.D (-3013) (-)



#68

m/p-Xylenes

Concen: 105.954 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053305.D

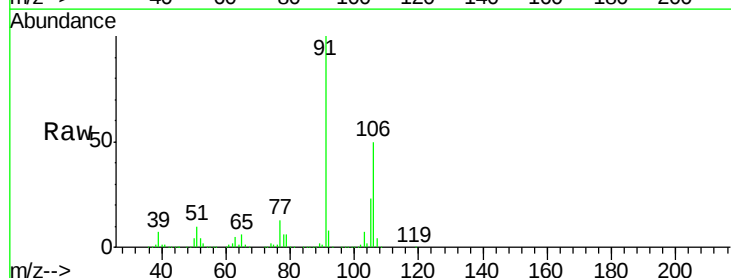
Acq: 8 Jan 2019 9:08

Tgt Ion: 106 Resp: 1826456

Ion Ratio Lower Upper

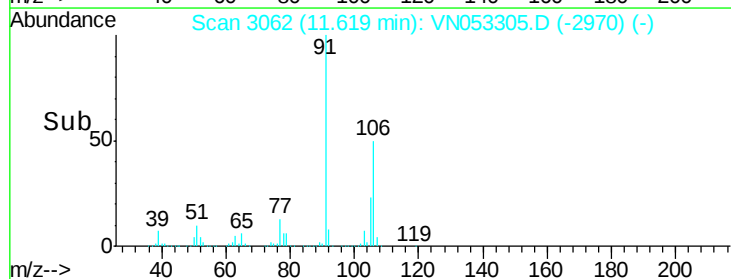
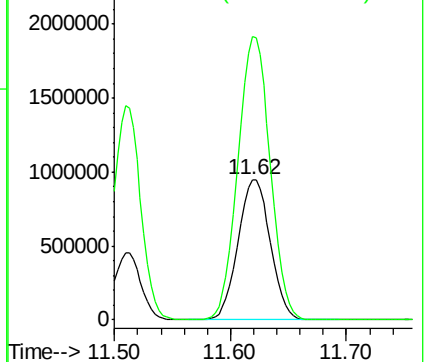
106 100

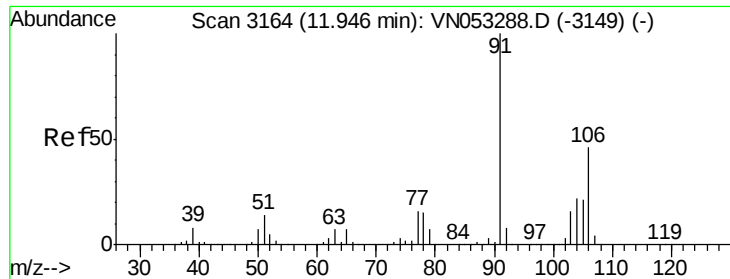
91 202.2 161.4 242.2



Abundance Ion 106.00 (105.70 to 106.70): VN053288.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN053288.D (-3047) (-)





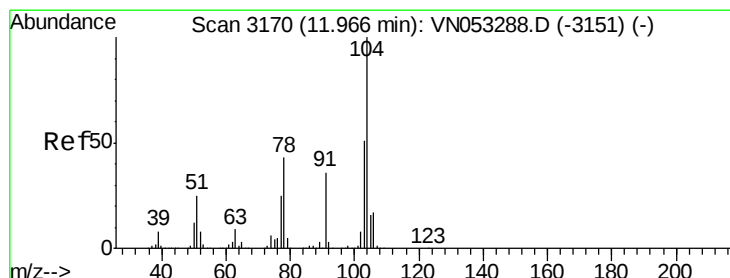
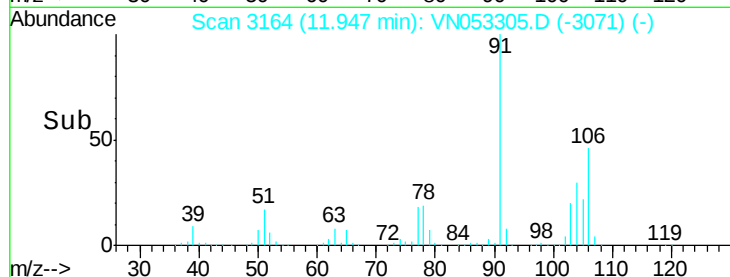
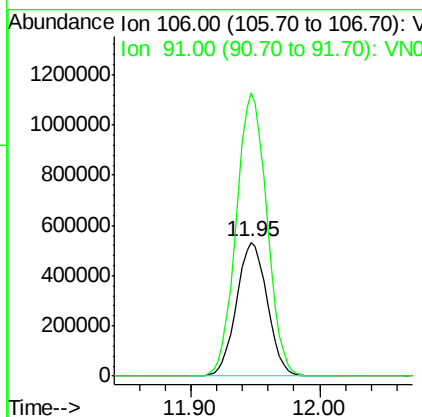
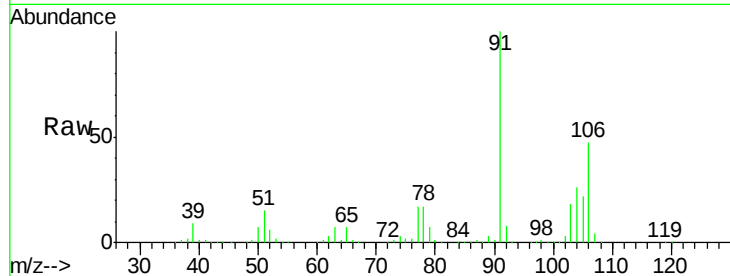
#69
o-Xylene
Concen: 52.262 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 881989
Ion Ratio Lower Upper
106 100
91 211.4 106.8 320.4

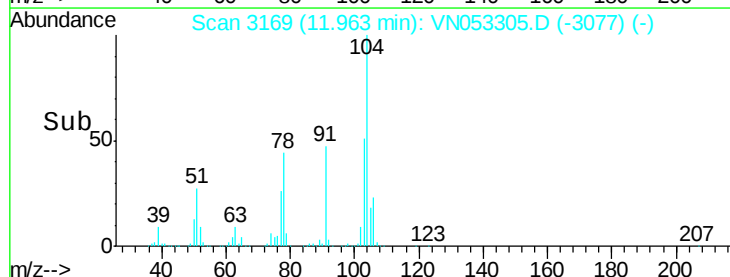
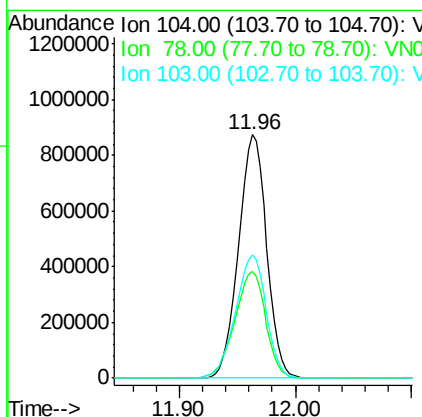
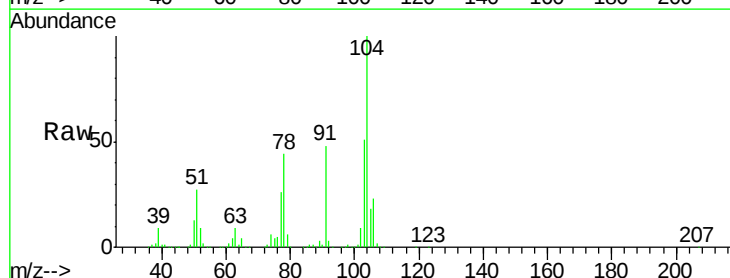
Manual Integrations
APPROVED

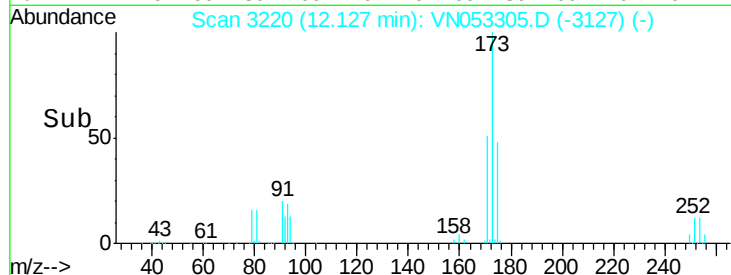
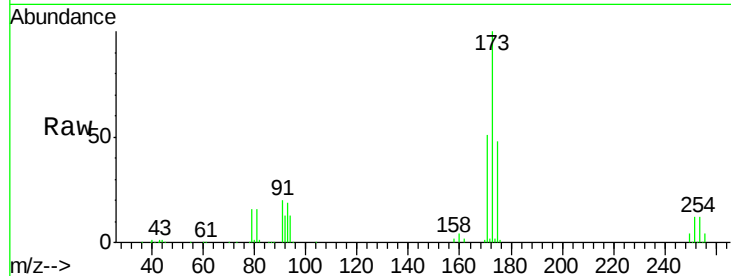
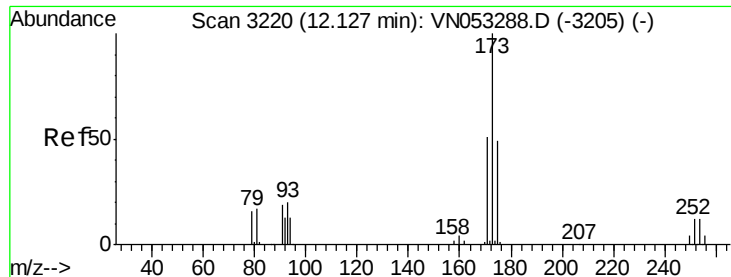
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#70
Styrene
Concen: 53.356 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion:104 Resp: 1465489
Ion Ratio Lower Upper
104 100
78 48.2 38.5 57.7
103 55.2 44.5 66.7





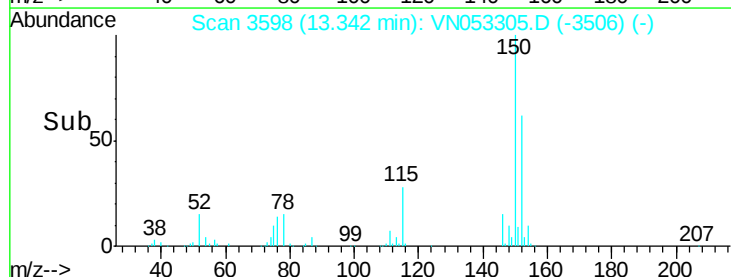
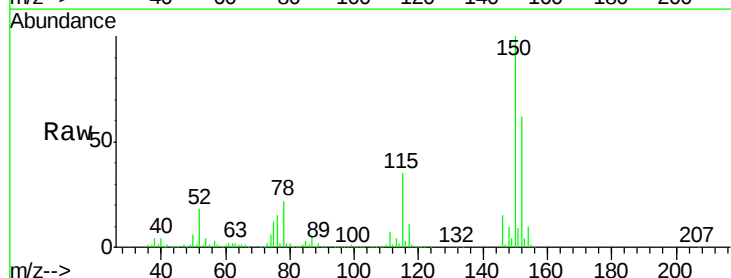
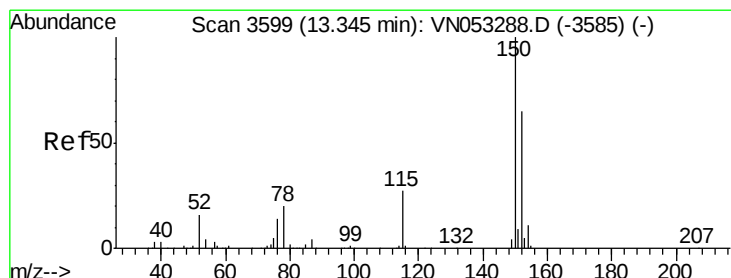
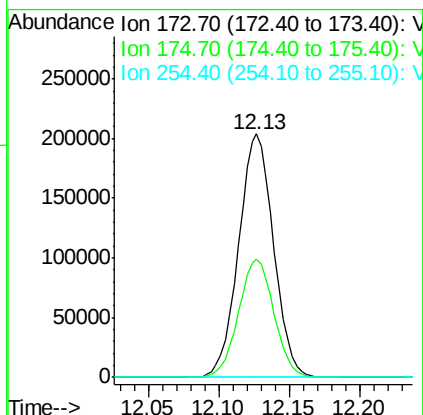
#71
Bromoform
Concen: 52.837 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	72.8
254	0.1	0.2	0.2#

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

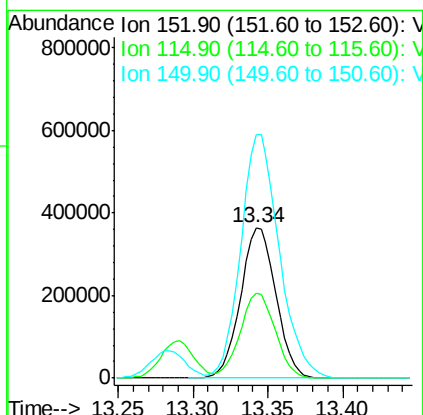
Manual Integrations
APPROVED

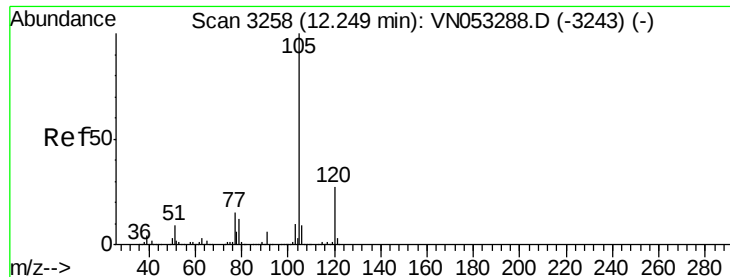
MMDadoda
1/9/2019 10:57:32 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.0	84.0
150	176.0	0.0	346.6





#73

Isopropylbenzene

Concen: 52.406 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2336886

Ion Ratio Lower Upper

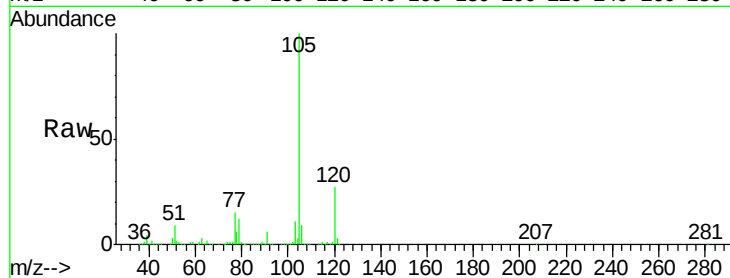
105 100

120 26.8 13.4 40.2

Manual Integrations
APPROVED

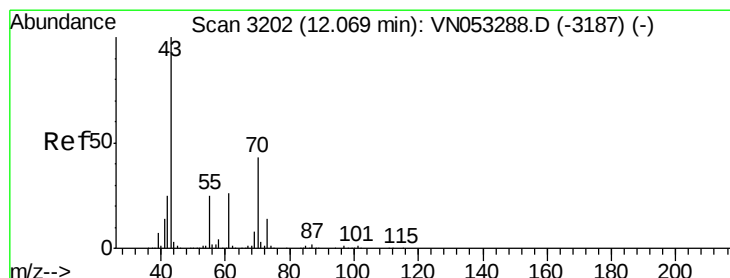
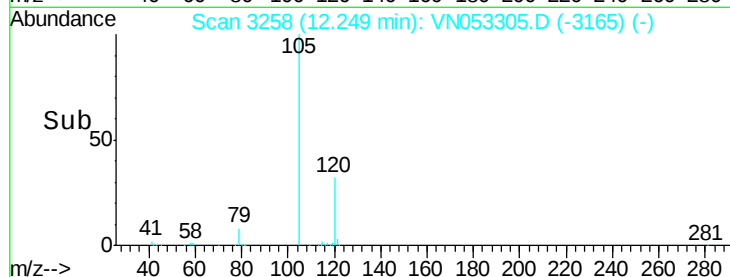
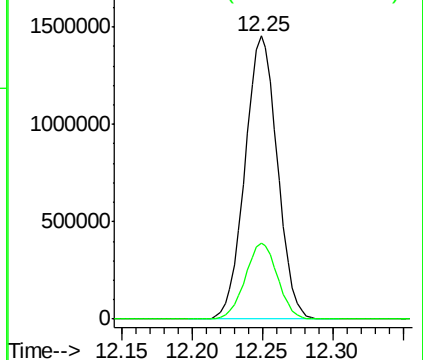
MMDadoda

1/9/2019 10:57:32 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.283 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Tgt Ion: 43 Resp: 669543

Ion Ratio Lower Upper

43 100

70 44.2 35.0 52.6

55 25.3 20.0 30.0

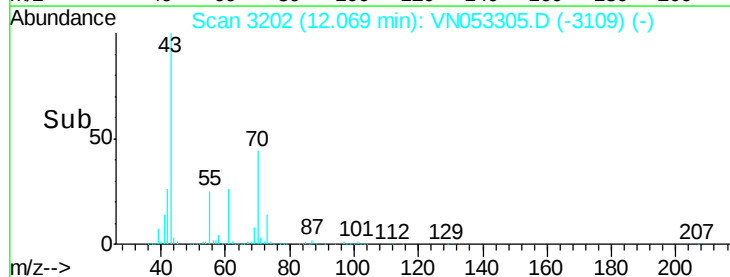
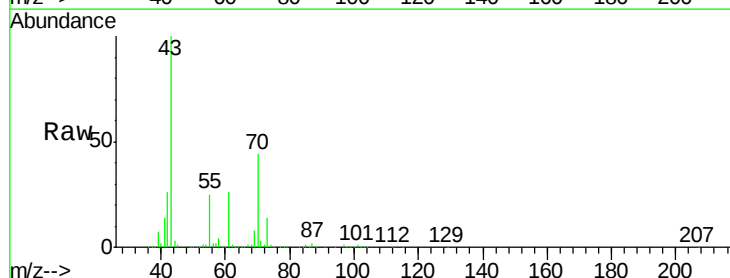
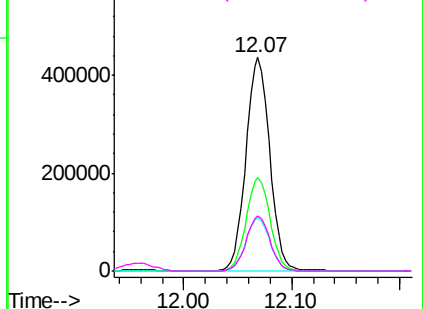
61 25.8 20.3 30.5

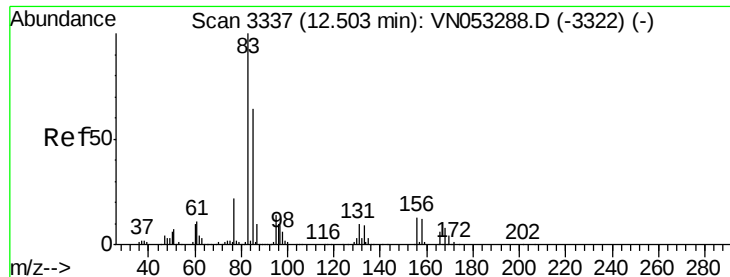
Abundance Ion 43.00 (42.70 to 43.70): V

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: 49.177 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

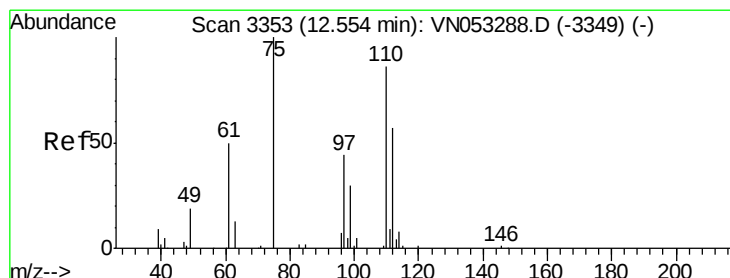
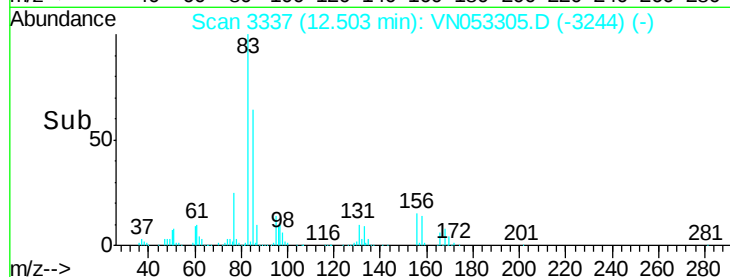
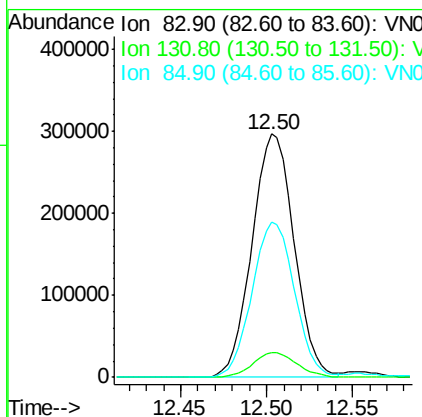
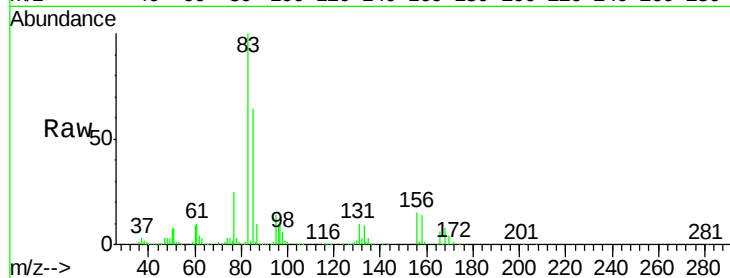
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	504444
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	64.1	32.3	96.8

Manual Integrations
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1/9/2019 10:57:32 AM



#76

1,2,3-Trichloropropane

Concen: 50.915 ug/l m

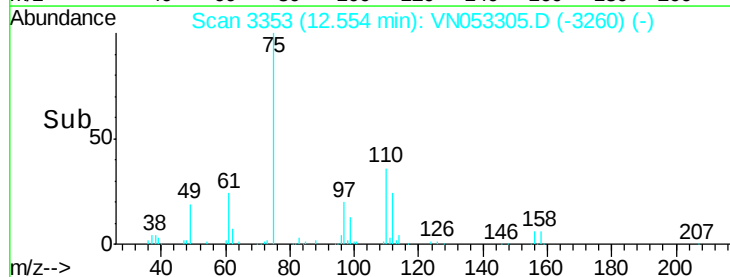
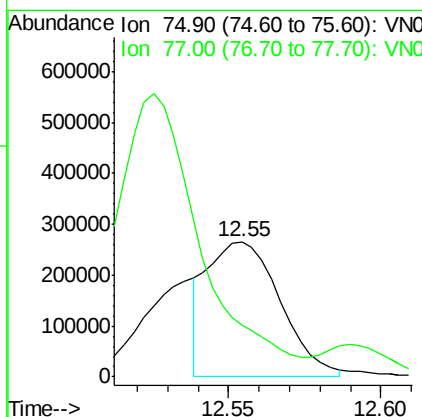
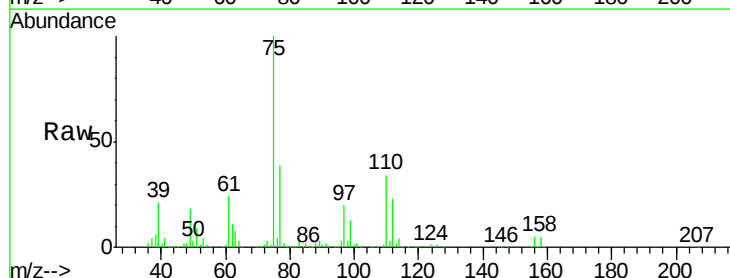
RT: 12.55 min Scan# 3353

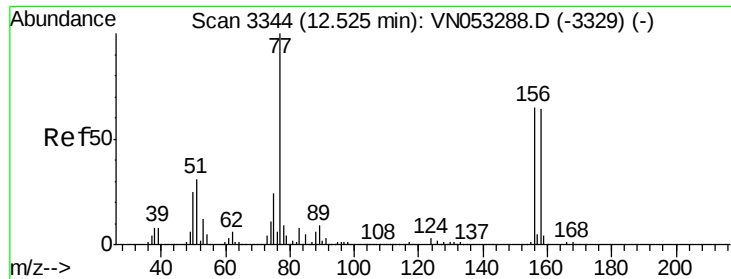
Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Tgt Ion:	75	Resp:	444774
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.114 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

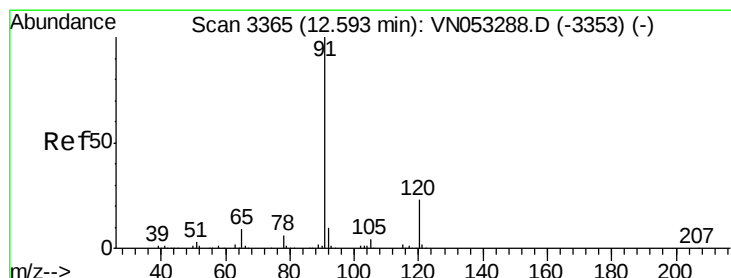
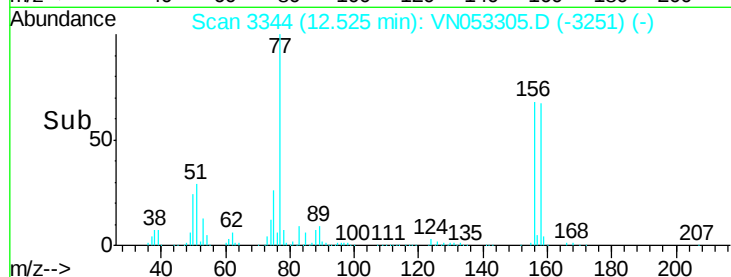
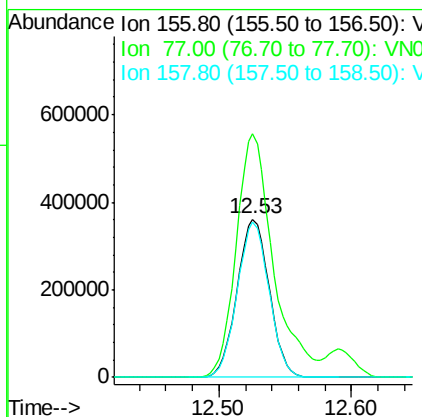
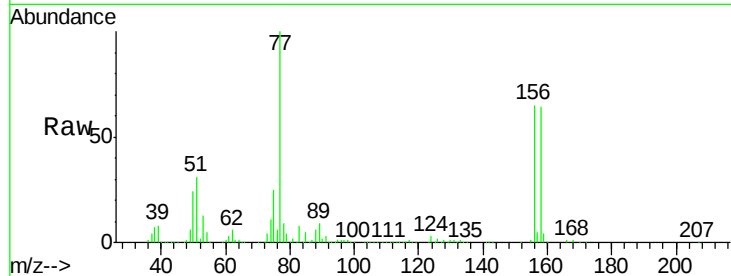
ClientSampled :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	177.5	89.3	268.1		
158	97.4	48.9	146.8		

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#78

n-propylbenzene

Concen: 54.054 ug/l

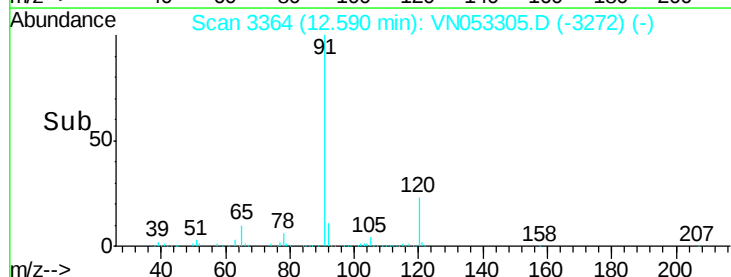
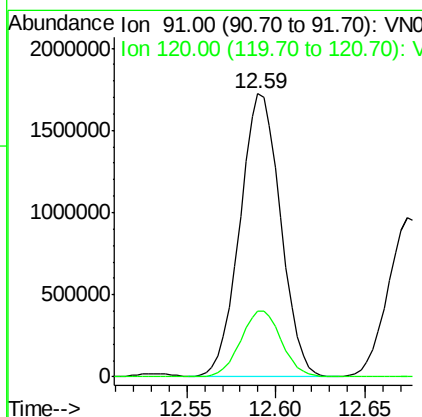
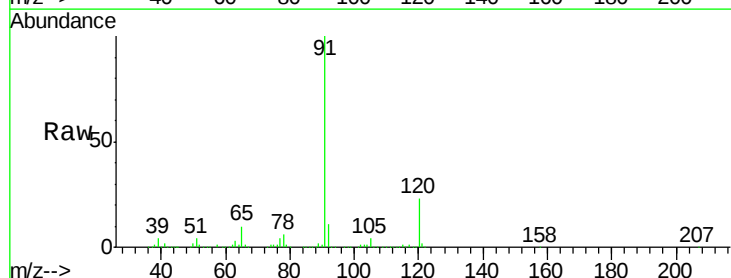
RT: 12.59 min Scan# 3364

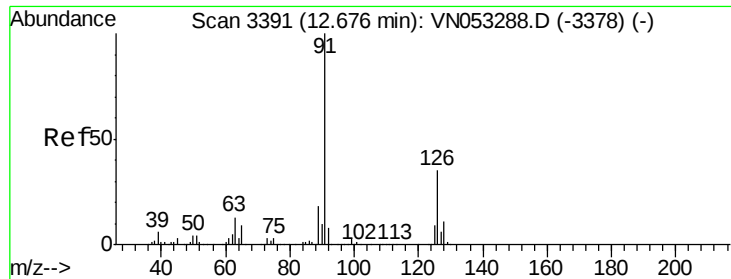
Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.5	11.5	34.5		





#79

2-Chlorotoluene

Concen: 51.746 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1579306

Ion Ratio Lower Upper

91 100

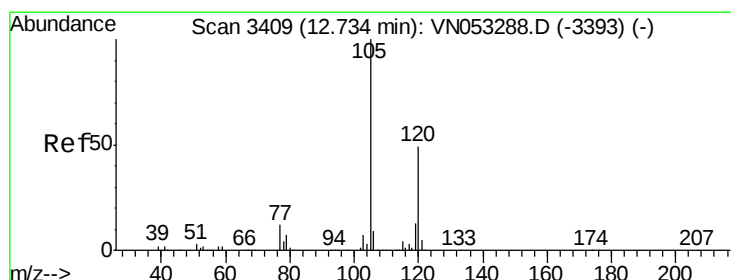
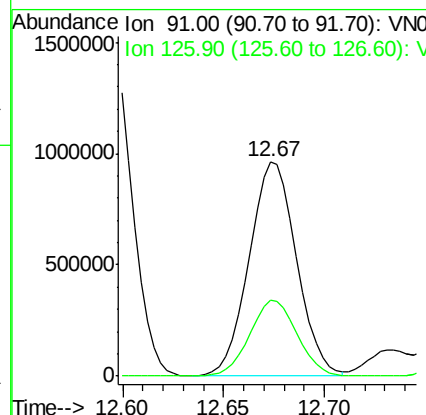
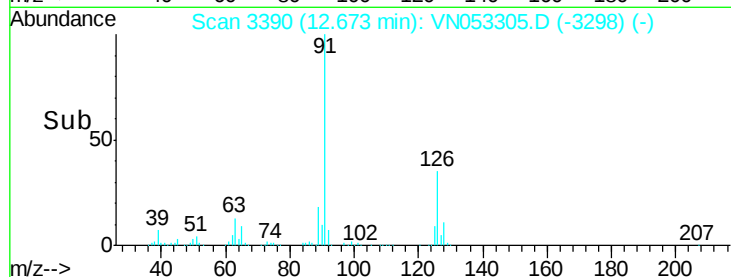
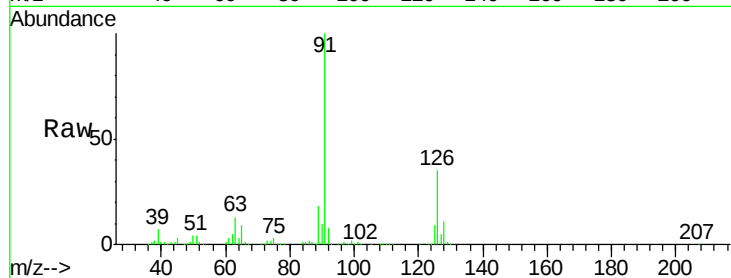
126 35.6 17.5 52.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.051 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053305.D

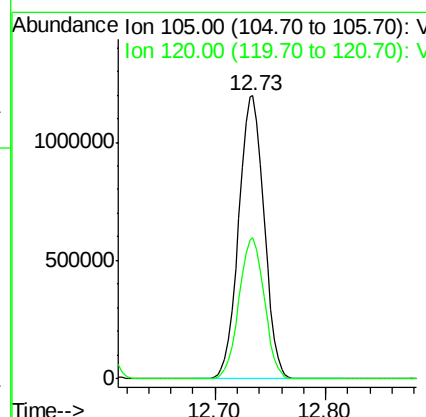
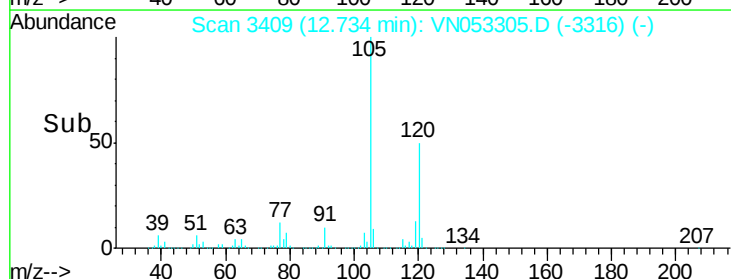
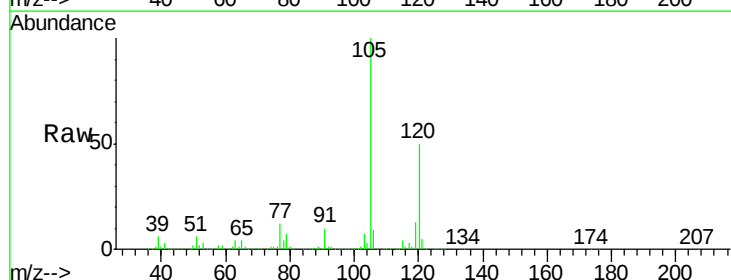
Acq: 8 Jan 2019 9:08

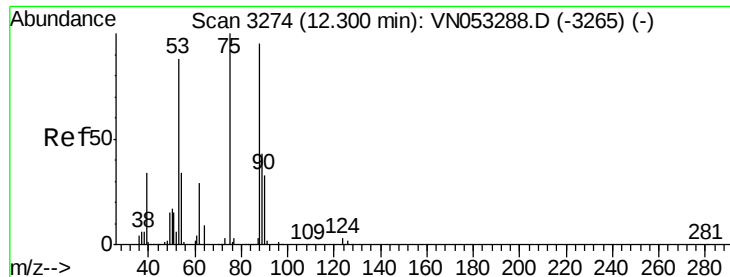
Tgt Ion: 105 Resp: 1905520

Ion Ratio Lower Upper

105 100

120 49.8 24.7 74.1





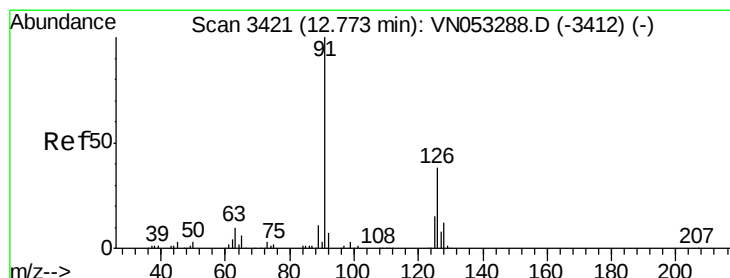
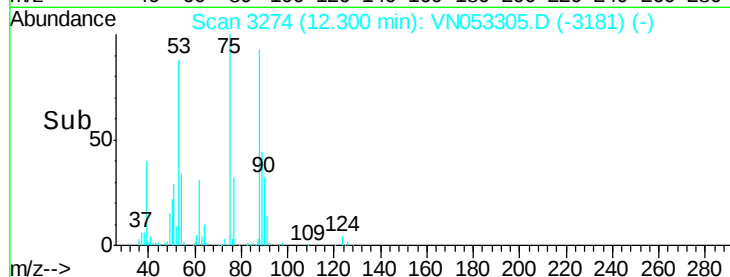
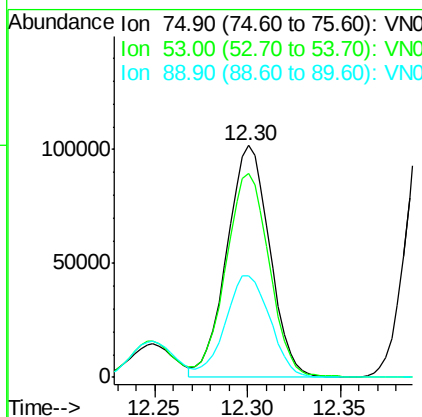
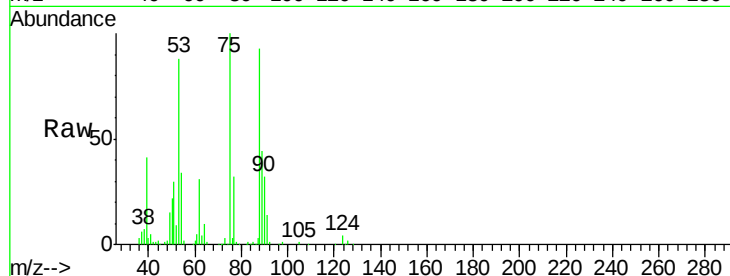
#81
trans-1,4-Dichloro-2-butene
Concen: 54.492 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.3	70.5	105.7
89	45.9	35.4	53.0

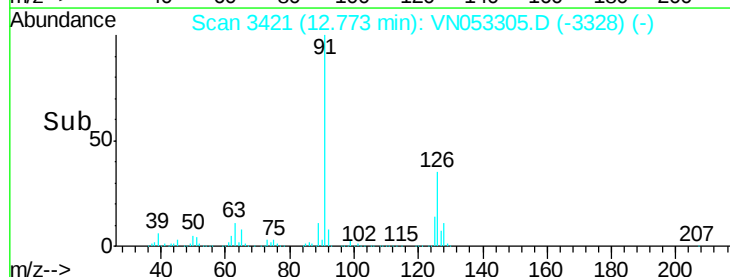
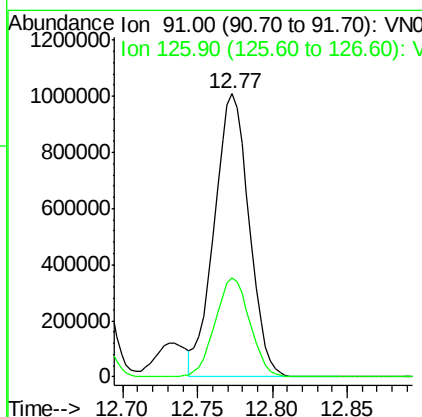
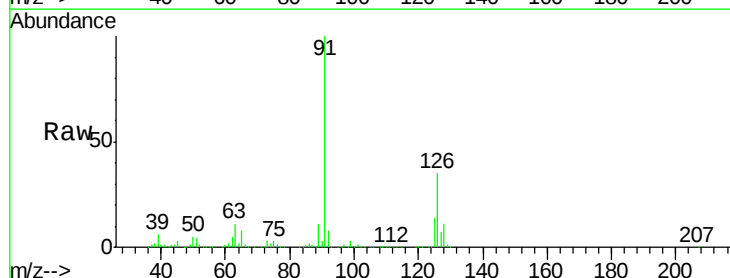
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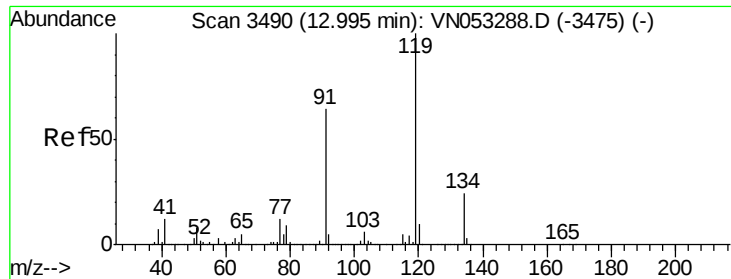
MMDadoda
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#82
4-Chlorotoluene
Concen: 52.042 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.4	52.2





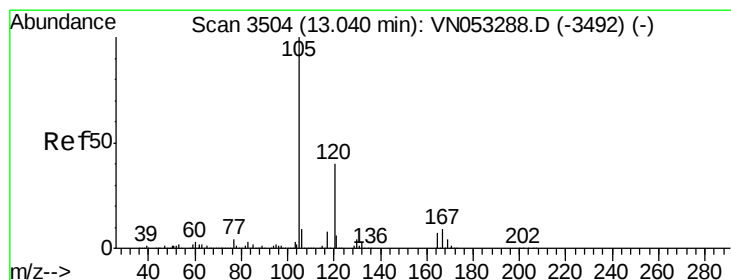
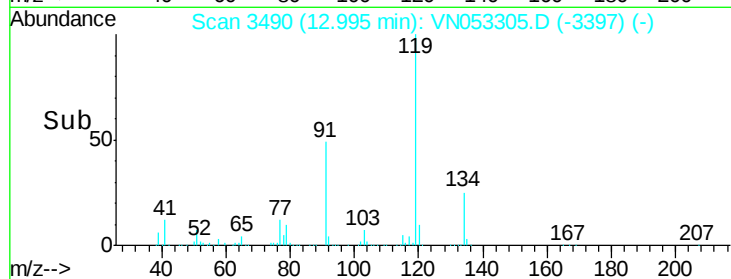
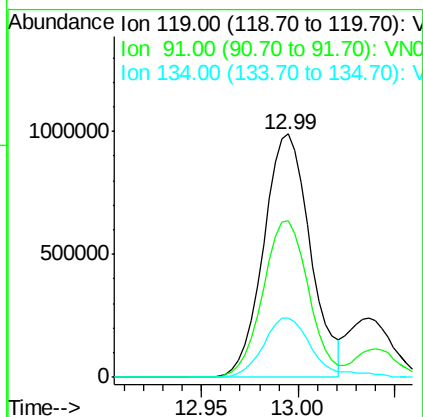
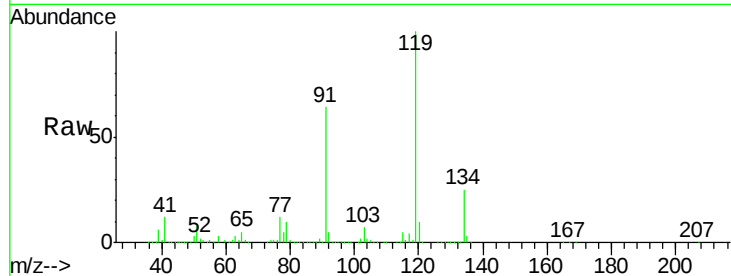
#83
tert-Butylbenzene
Concen: 52.646 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.5	31.6	95.0
134	25.8	12.9	38.6

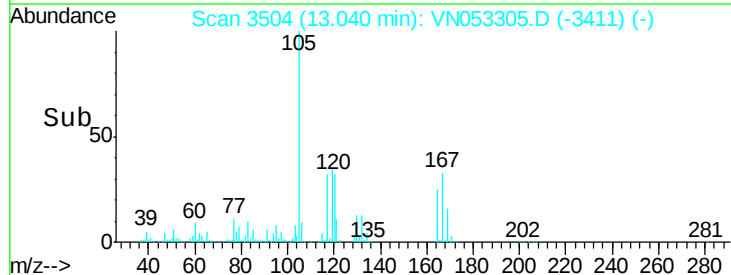
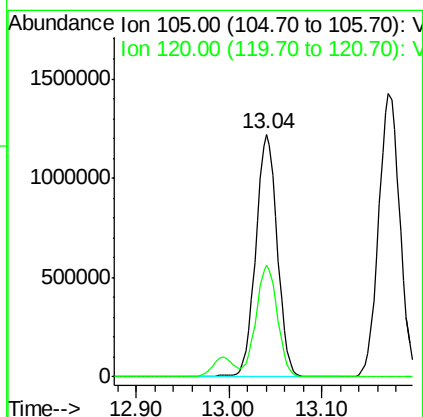
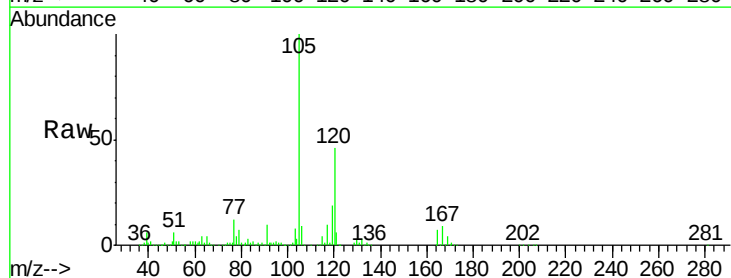
Manual Integrations
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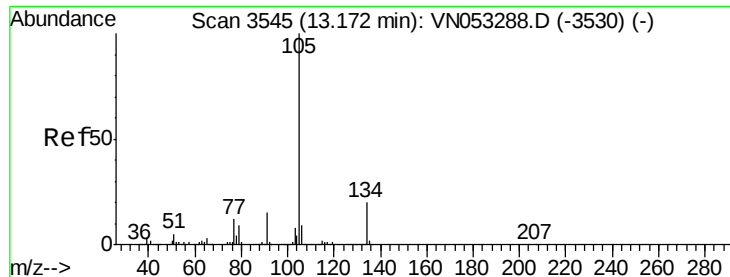
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#84
1,2,4-Trimethylbenzene
Concen: 53.346 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.0	69.0





#85

sec-Butylbenzene

Concen: 54.171 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2251386

Ion Ratio Lower Upper

105 100

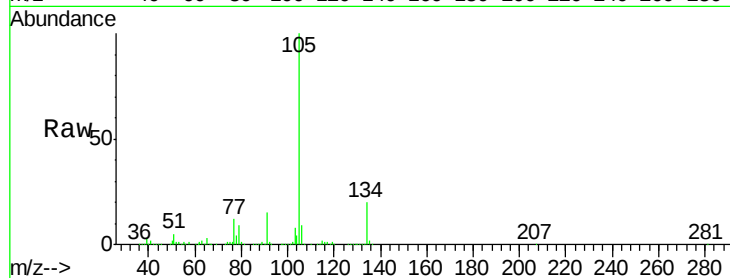
134 20.2 10.2 30.6

Manual Integrations

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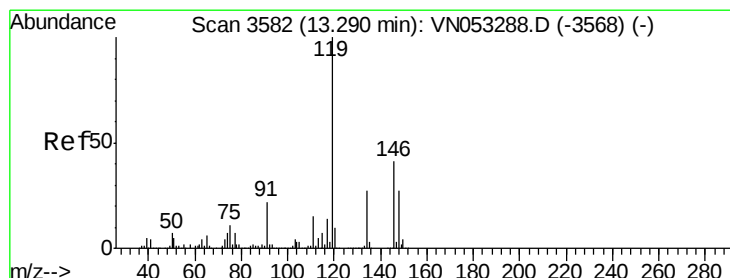
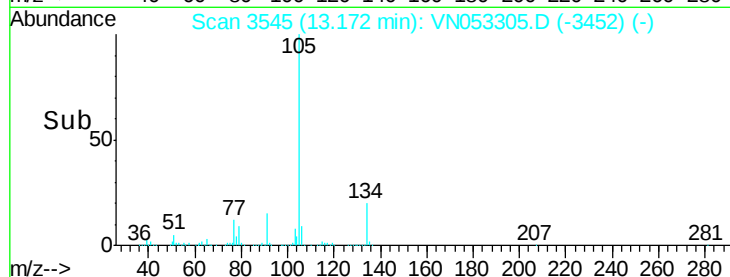
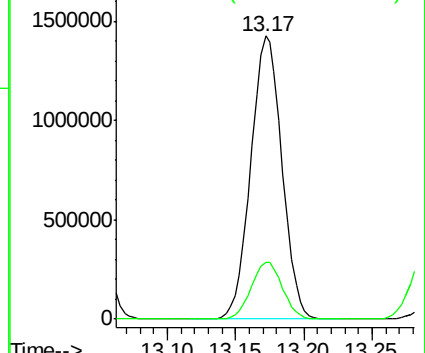
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.747 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

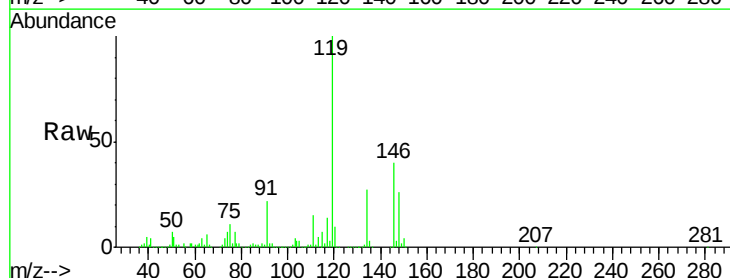
Tgt Ion:119 Resp: 1969999

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

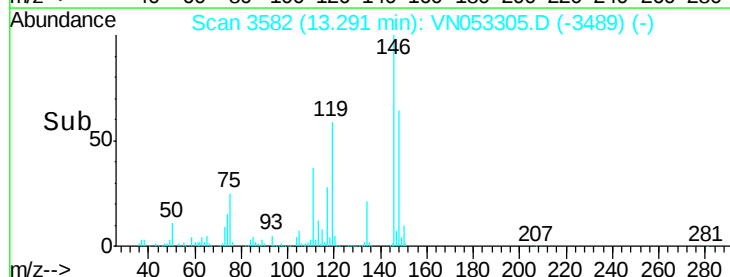
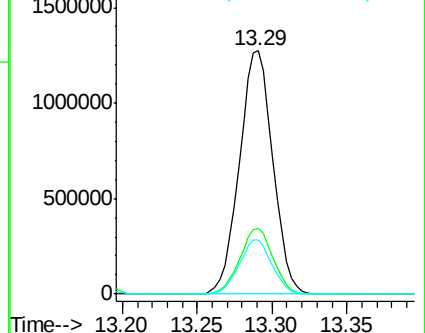
91 22.0 11.1 33.1

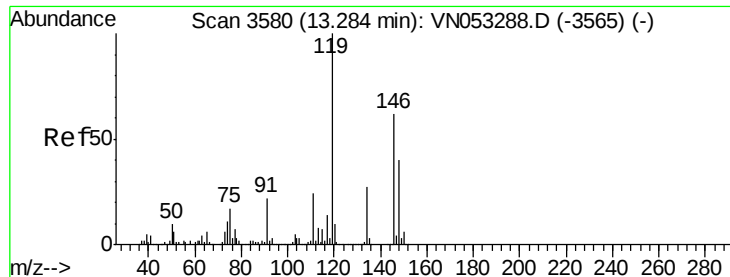


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.455 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053305.D

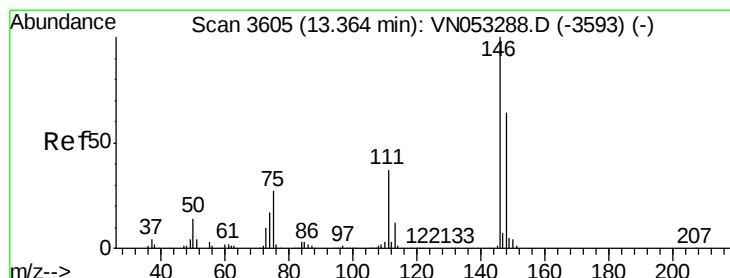
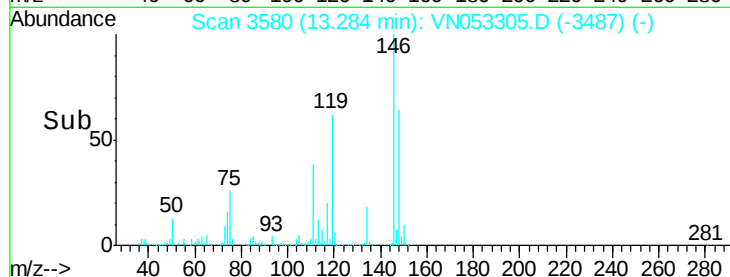
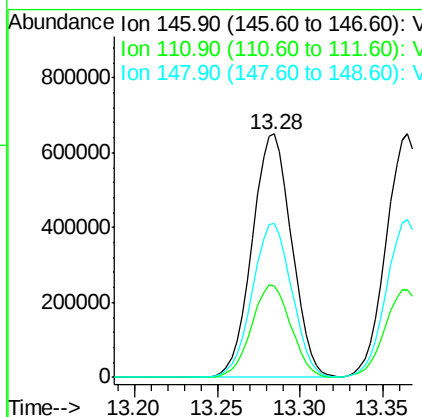
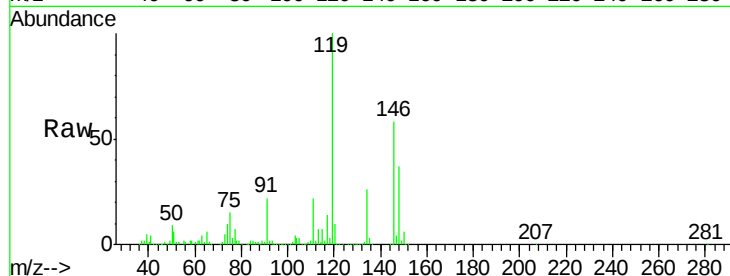
Acq: 8 Jan 2019 9:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.5
148	63.4	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.144 ug/l

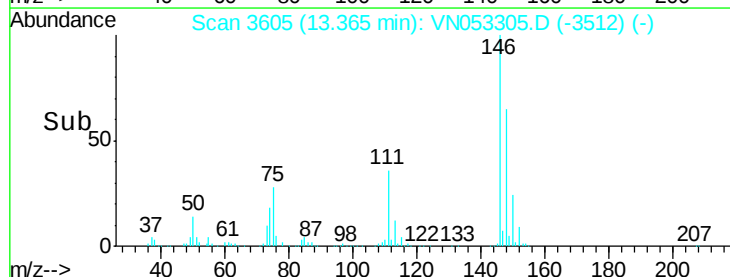
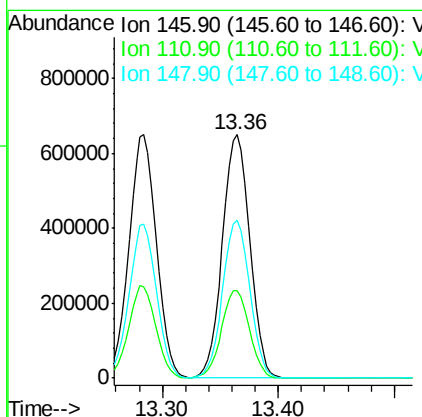
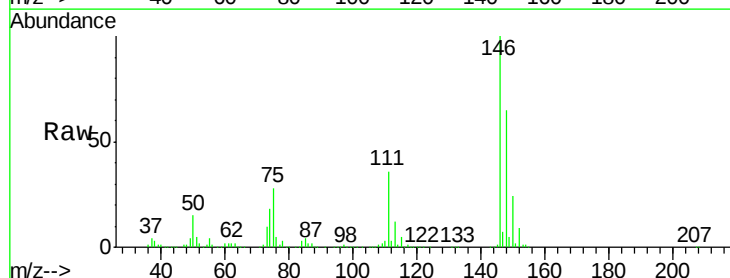
RT: 13.36 min Scan# 3605

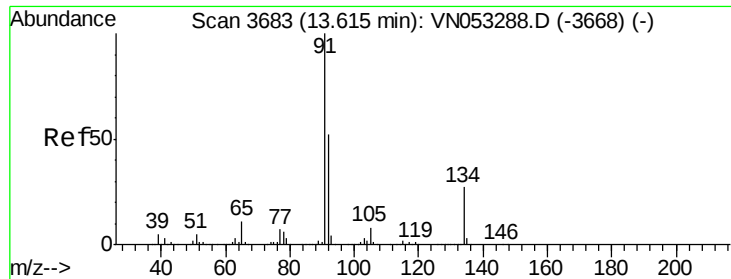
Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.6	55.8
148	64.2	32.0	96.0





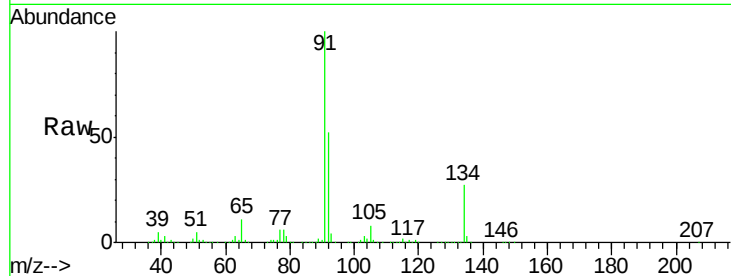
#89
n-Butylbenzene
Concen: 55.010 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

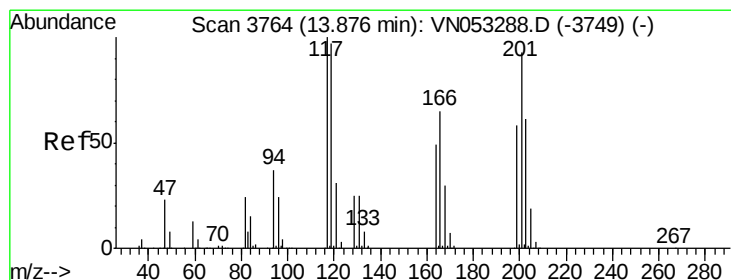
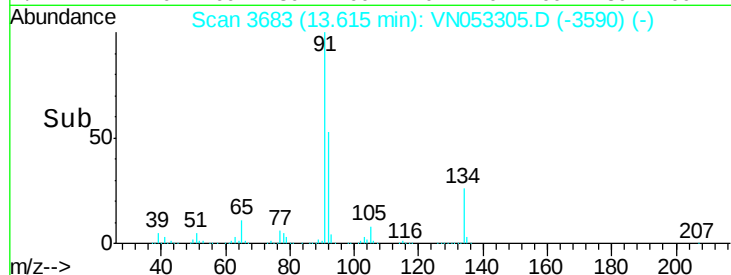
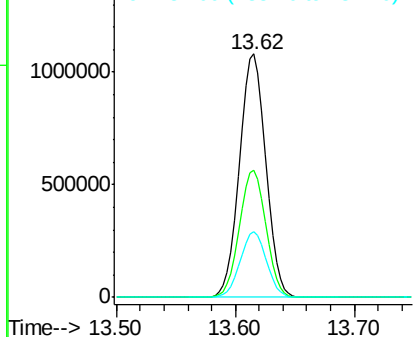
Tot Ion: 91 Resp: 1659580
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.8
134 26.7 13.5 40.5

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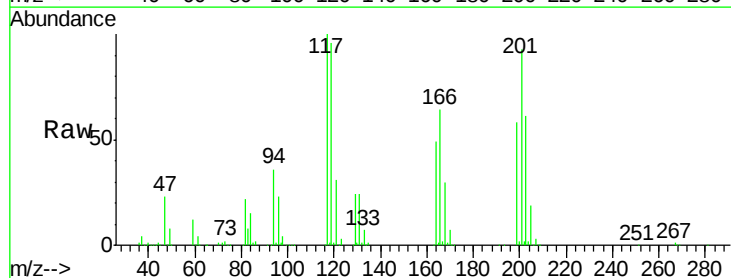


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

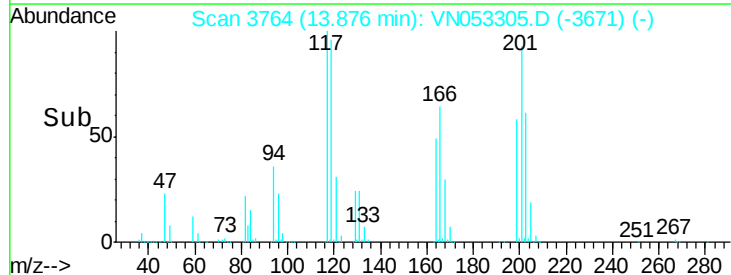
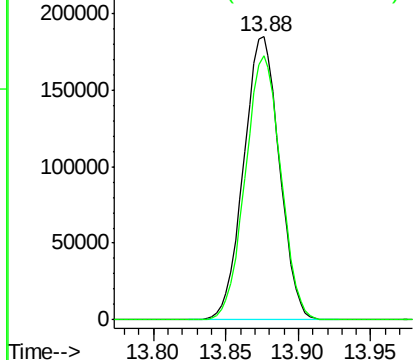


#90
Hexachloroethane
Concen: 54.971 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion: 117 Resp: 317047
Ion Ratio Lower Upper
117 100
201 92.6 46.1 138.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





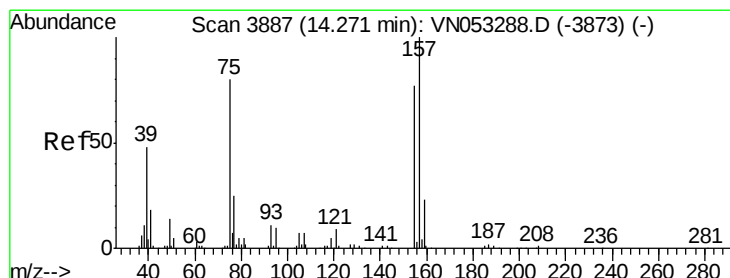
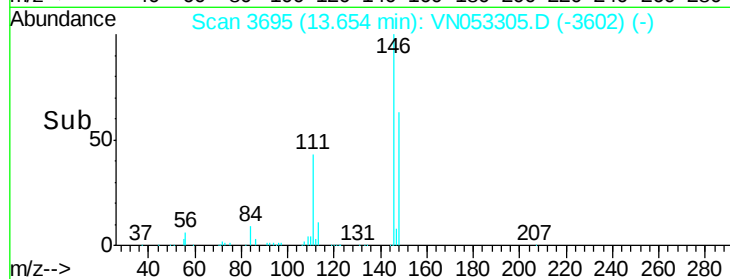
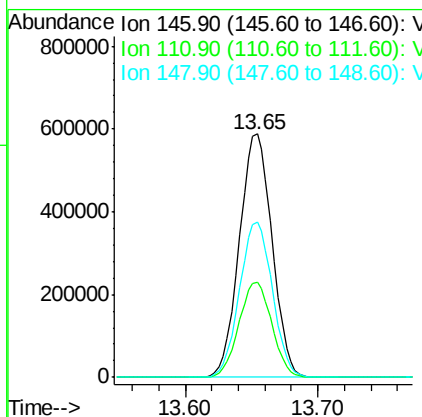
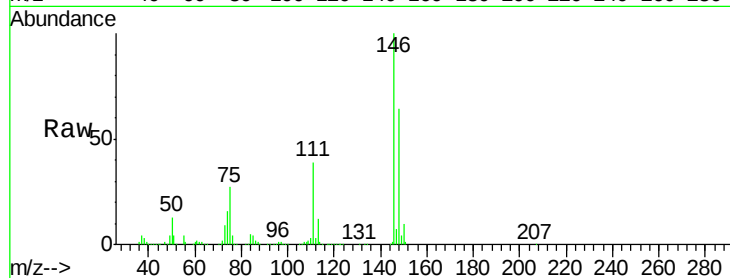
#91
 1,2-Dichlorobenzene
 Concen: 51.291 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.2
148	64.1	32.2	96.6

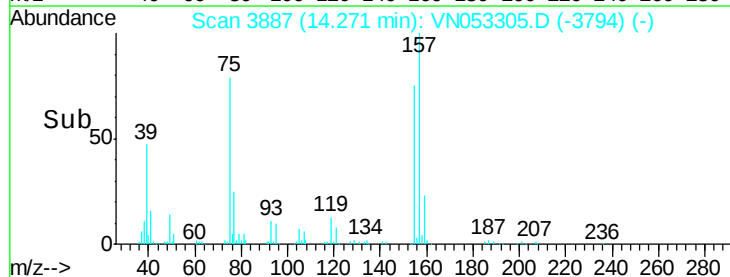
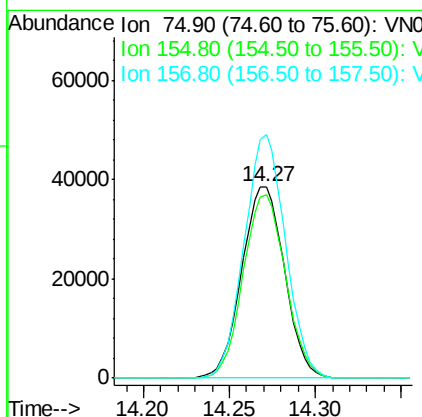
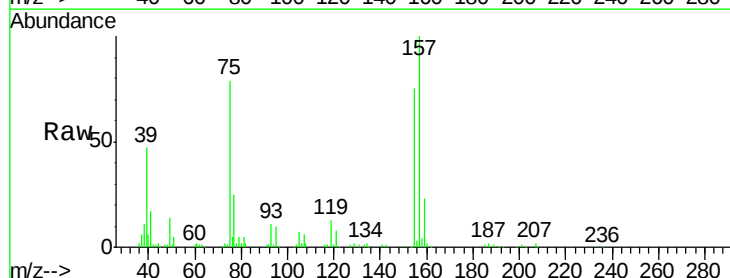
Manual Integrations
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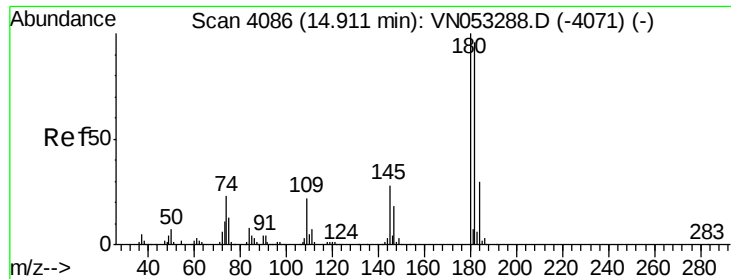
MMDadoda
 1/9/2019 10:57:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.513 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	48.1	144.3
157	122.9	61.5	184.4





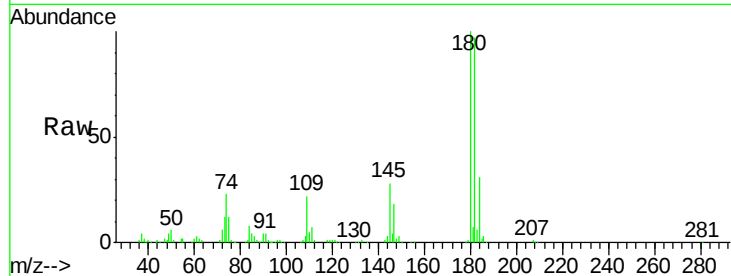
#93
 1,2,4-Trichlorobenzene
 Concen: 58.234 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

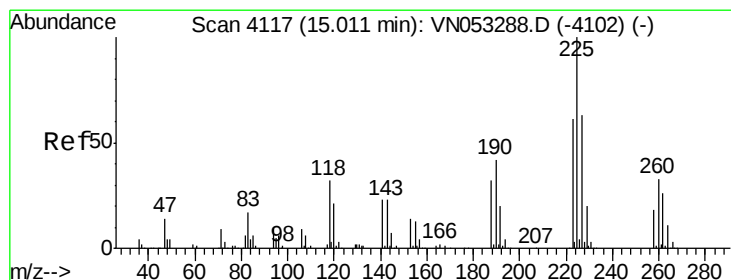
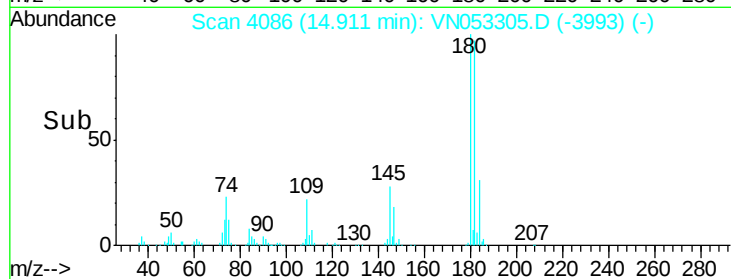
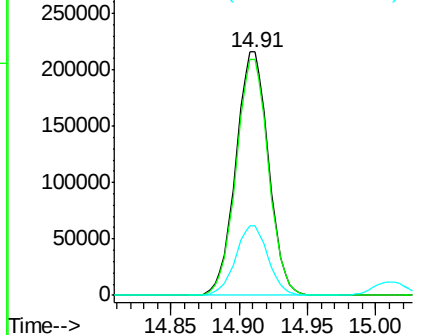
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	47.8	143.4	
145	28.3	14.4	43.0	

Manual Integrations
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 1/9/2019 10:57:32 AM

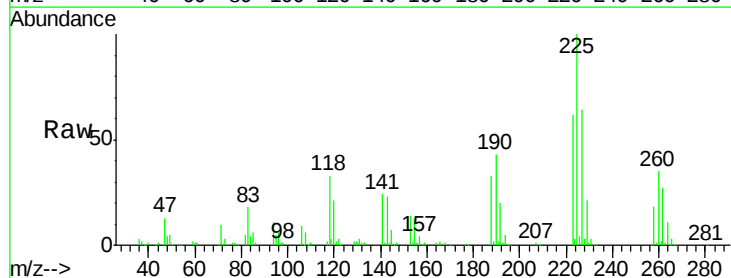


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

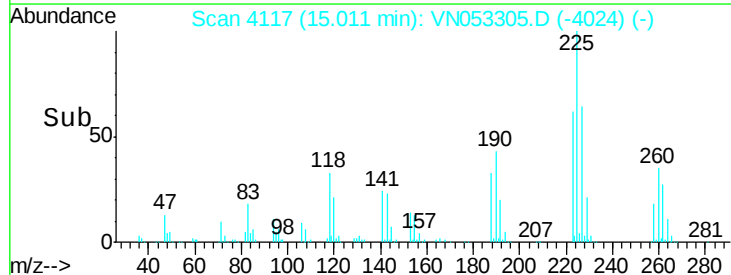
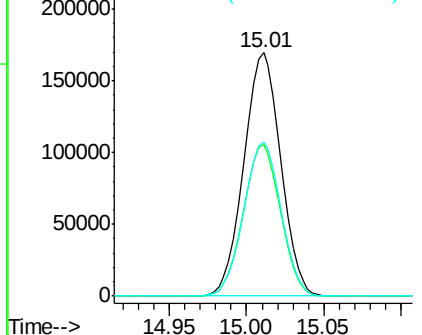


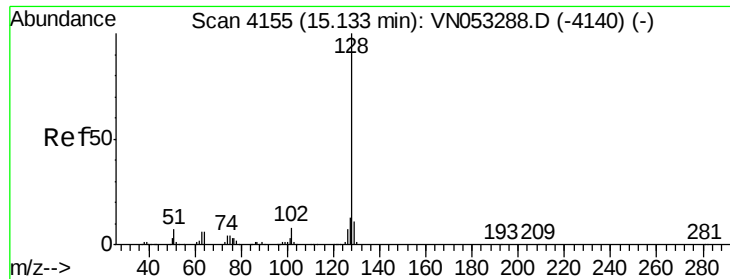
#94
 Hexachlorobutadiene
 Concen: 55.934 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	30.9	92.8	
227	63.6	31.4	94.2	



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





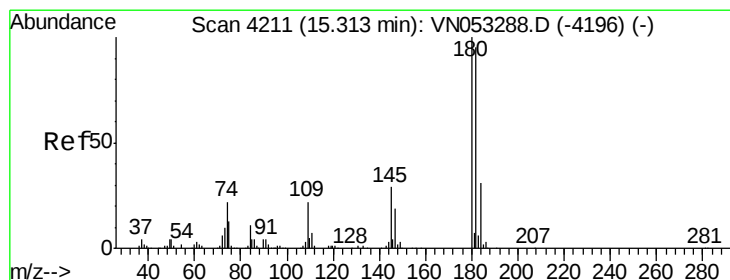
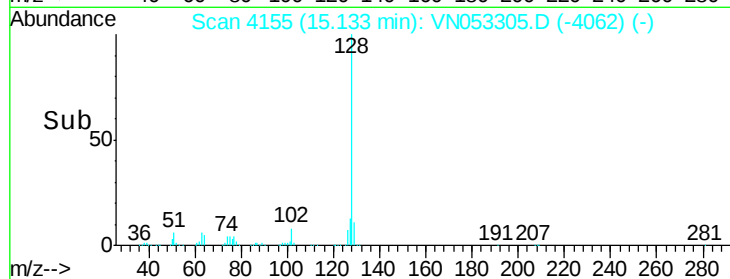
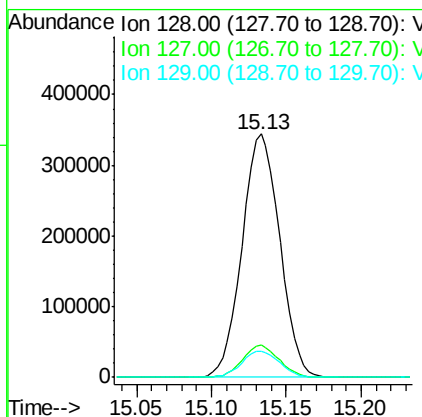
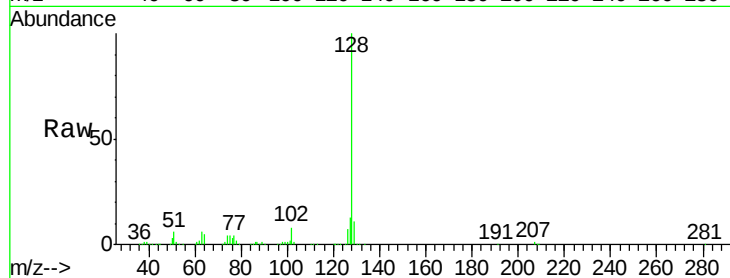
#95
Naphthalene
Concen: 57.350 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
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1/9/2019 10:57:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 59.001 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.4	145.0
145	29.7	14.9	44.5

