

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010719\
 Data File : VN053297.D
 Acq On : 7 Jan 2019 11:54
 Operator : MD\SY
 Sample : VN0107WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0107WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 9:25:01 AM

Quant Time: Jan 08 02:39:43 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	910400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1378289	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1263154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	595991	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	469833	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
35) Dibromofluoromethane	7.59	113	393028	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
50) Toluene-d8	10.09	98	1702566	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	600571	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	165067	20.566	ug/l	98
3) Chloromethane	2.06	50	226134	20.176	ug/l	99
4) Vinyl Chloride	2.19	62	213670	19.973	ug/l	100
5) Bromomethane	2.56	94	144576	20.682	ug/l	99
6) Chloroethane	2.70	64	128304	19.870	ug/l	99
7) Trichlorofluoromethane	3.02	101	274068	19.779	ug/l	99
8) Diethyl Ether	3.41	74	107709	19.832	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	170208	19.381	ug/l	99
10) Methyl Iodide	3.96	142	250901	20.382	ug/l	100
11) Tert butyl alcohol	4.78	59	53698	94.258	ug/l	100
12) 1,1-Dichloroethene	3.74	96	168185	19.799	ug/l	97
13) Acrolein	3.61	56	67629	94.415	ug/l	100
14) Allyl chloride	4.33	41	261060	19.068	ug/l	99
15) Acrylonitrile	4.99	53	333883	98.177	ug/l	99
16) Acetone	3.82	43	238667	103.389	ug/l	98
17) Carbon Disulfide	4.06	76	508614	19.421	ug/l	99
18) Methyl Acetate	4.32	43	155568	18.148	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	473775	19.872	ug/l	99
20) Methylene Chloride	4.55	84	194992	19.168	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	180117	19.748	ug/l	100
22) Diisopropyl ether	5.95	45	586222	19.875	ug/l	99
23) Vinyl Acetate	5.90	43	1880420	101.324	ug/l	100
24) 1,1-Dichloroethane	5.85	63	333185	19.586	ug/l	99
25) 2-Butanone	6.83	43	377828	97.233	ug/l	98
26) 2,2-Dichloropropane	6.83	77	246794	19.847	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	203641	19.551	ug/l	98
28) Bromochloromethane	7.20	49	153034	21.111	ug/l	100
29) Tetrahydrofuran	7.21	42	253331	98.792	ug/l	99
30) Chloroform	7.37	83	328820	19.639	ug/l	99
31) Cyclohexane	7.66	56	324759	19.973	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	271761	19.478	ug/l	99
36) 1,1-Dichloropropene	7.79	75	254403	19.771	ug/l	99
37) Ethyl Acetate	6.93	43	168488	20.103	ug/l	99
38) Carbon Tetrachloride	7.78	117	237408	19.990	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	297365	19.948	ug/l	99
40) Benzene	8.04	78	783612	19.937	ug/l	99
41) Methacrylonitrile	7.18	41	95114	18.279	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	228145	19.569	ug/l	98
43) Isopropyl Acetate	8.17	43	308011	18.681	ug/l	99
44) Trichloroethene	8.84	130	213189	19.754	ug/l	99
45) 1,2-Dichloropropane	9.12	63	205803	19.964	ug/l	99
46) Dibromomethane	9.21	93	121176	20.160	ug/l	100
47) Bromodichloromethane	9.40	83	249305	19.903	ug/l	99
48) Methyl methacrylate	9.20	41	148420	19.814	ug/l	99
49) 1,4-Dioxane	9.20	88	29901	374.664	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	849230	102.422	ug/l	99
52) Toluene	10.16	92	485539	20.136	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	254845	19.888	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	302006	20.396	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	174409	19.671	ug/l	99
56) Ethyl methacrylate	10.43	69	235332	20.425	ug/l	99
57) 1,3-Dichloropropane	10.71	76	302205	20.382	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	619910	99.520	ug/l	100
59) 2-Hexanone	10.75	43	584274	102.847	ug/l	100
60) Dibromochloromethane	10.90	129	193226	20.205	ug/l	99
61) 1,2-Dibromoethane	11.01	107	175959	20.111	ug/l	98
64) Tetrachloroethene	10.63	164	222131	18.684	ug/l	99
65) Chlorobenzene	11.43	112	544844	19.856	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	189610	19.742	ug/l	99
67) Ethyl Benzene	11.51	91	927864	19.900	ug/l	99
68) m/p-Xylenes	11.62	106	711324	40.570	ug/l	99
69) o-Xylene	11.95	106	345998	20.157	ug/l	100
70) Styrene	11.96	104	567166	20.302	ug/l	100
71) Bromoform	12.13	173	135103	19.915	ug/l	98
73) Isopropylbenzene	12.25	105	915917	20.641	ug/l	100
74) N-amyl acetate	12.07	43	275315	20.778	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	206969	20.276	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	182528m	20.997	ug/l	
77) Bromobenzene	12.53	156	240030	20.268	ug/l	99
78) n-propylbenzene	12.59	91	1033982	20.600	ug/l	100
79) 2-Chlorotoluene	12.67	91	616773	20.308	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	740318	20.712	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	62279	21.079	ug/l	96
82) 4-Chlorotoluene	12.77	91	624991	20.069	ug/l	100
83) tert-Butylbenzene	12.99	119	642235	20.480	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	749618	20.586	ug/l	99
85) sec-Butylbenzene	13.17	105	856332	20.706	ug/l	99
86) p-Isopropyltoluene	13.29	119	740210	20.672	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	410934	19.704	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	408485	19.745	ug/l	99
89) n-Butylbenzene	13.62	91	600939	20.017	ug/l	100
90) Hexachloroethane	13.88	117	116980	20.382	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	392549	20.094	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26057	21.046	ug/l	97

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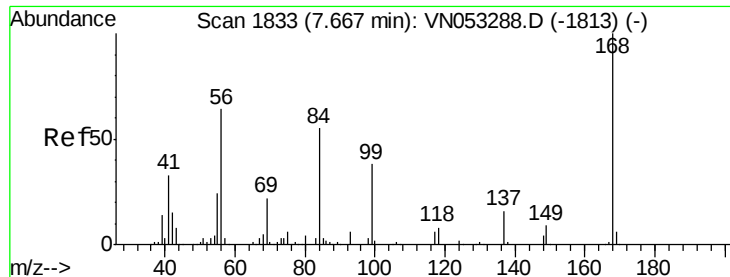
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	125088	20.365	ug/l	98
94) Hexachlorobutadiene	15.01	225	107194	21.336	ug/l	97
95) Naphthalene	15.13	128	217905	20.795	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	79632	19.801	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: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0107WBS01

Tot Ion:168 Resp: 910400

Ion Ratio Lower Upper

168 100

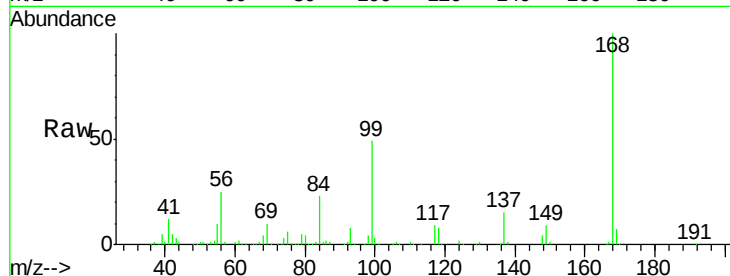
99 48.8 39.1 58.7

Manual Integrations

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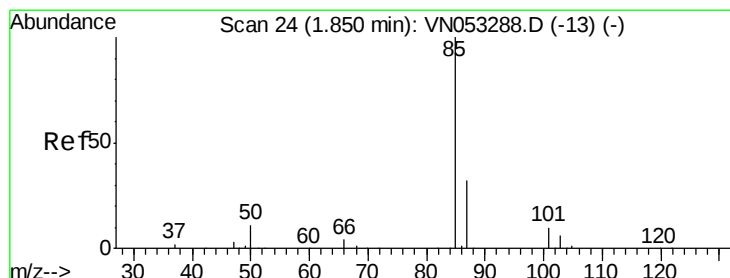
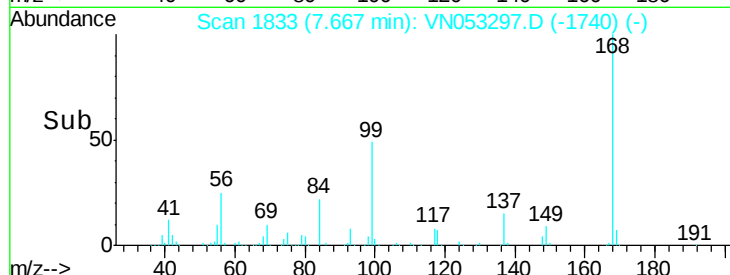
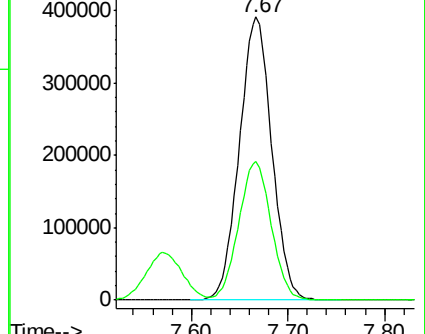
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.566 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053297.D

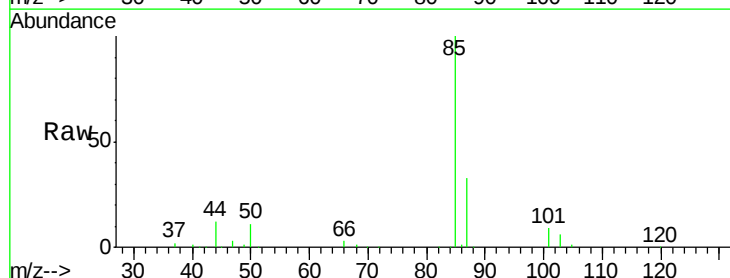
Acq: 7 Jan 2019 11:54

Tgt Ion: 85 Resp: 165067

Ion Ratio Lower Upper

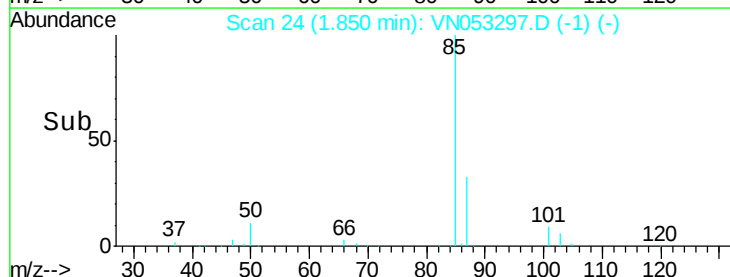
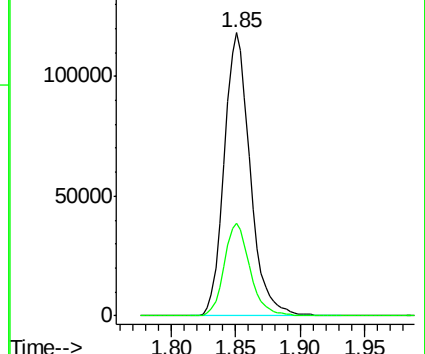
85 100

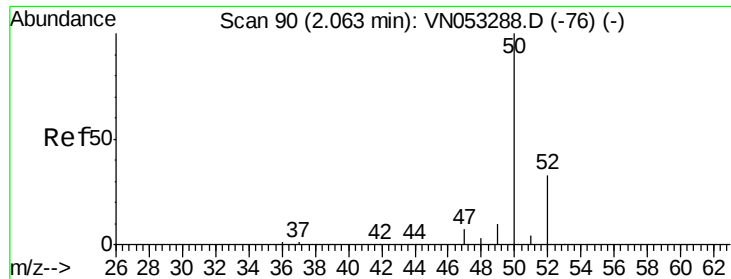
87 32.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.176 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0107WBS01

Tot Ion: 50 Resp: 226134

Ion Ratio Lower Upper

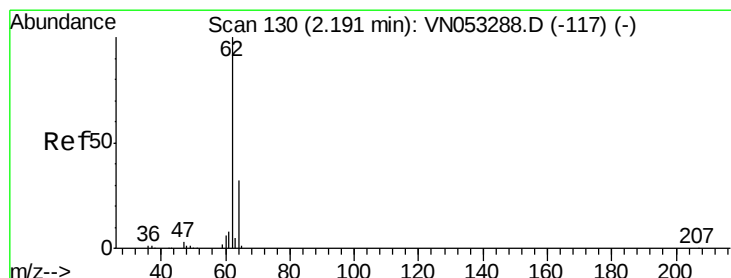
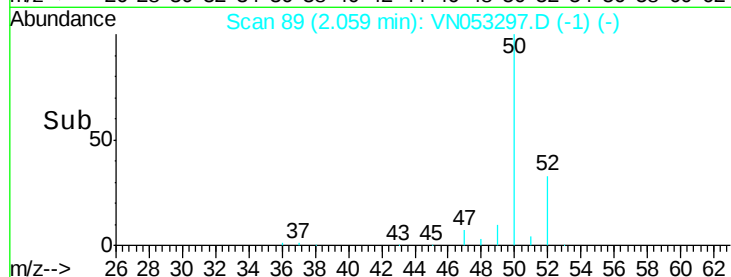
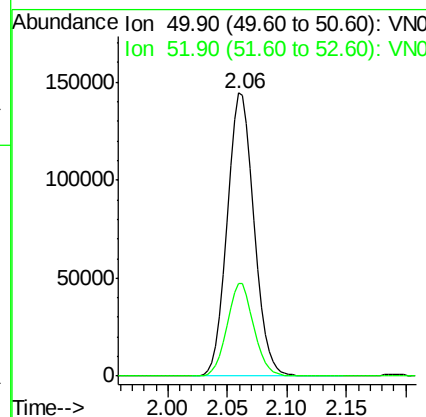
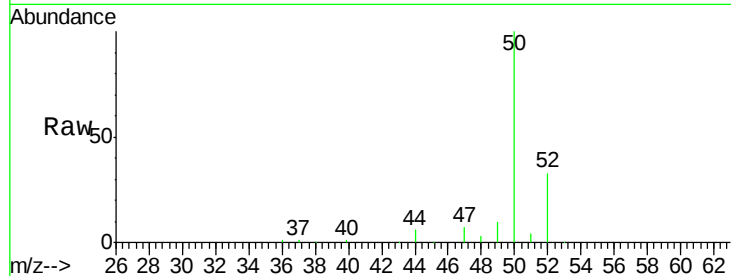
50 100

52 32.9 26.6 40.0

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#4

Vinyl Chloride

Concen: 19.973 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053297.D

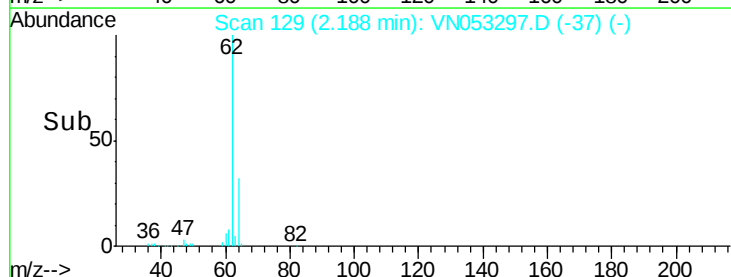
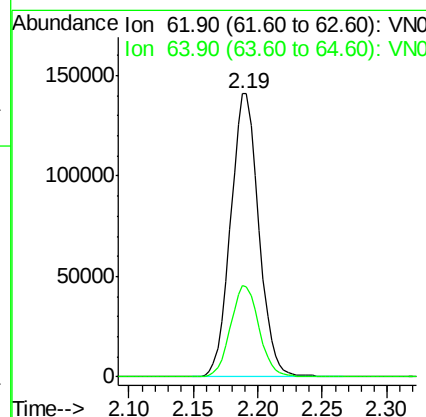
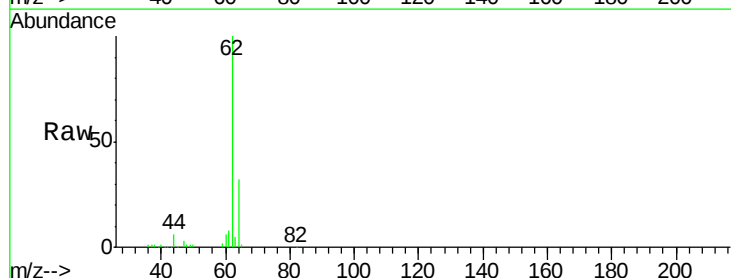
Acq: 7 Jan 2019 11:54

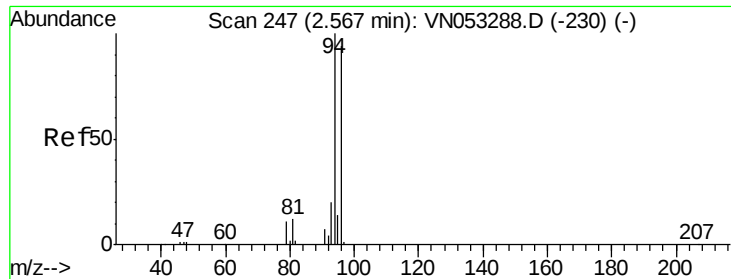
Tgt Ion: 62 Resp: 213670

Ion Ratio Lower Upper

62 100

64 32.1 25.6 38.4





#5

Bromomethane

Concen: 20.682 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

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ClientSampleId :

VN0107WBS01

Tot Ion: 94 Resp: 144576

Ion Ratio Lower Upper

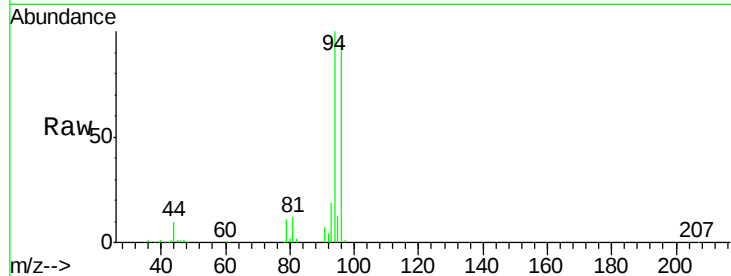
94 100

96 94.6 74.9 112.3

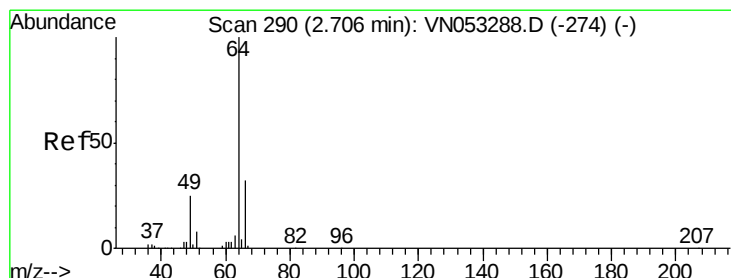
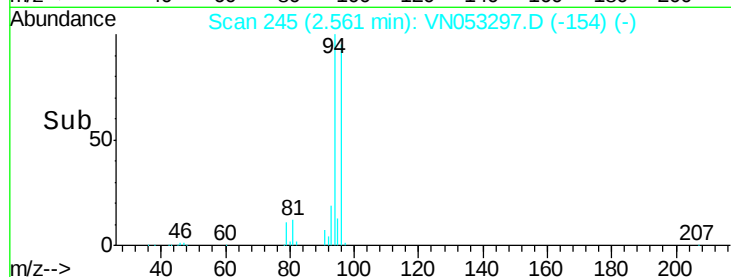
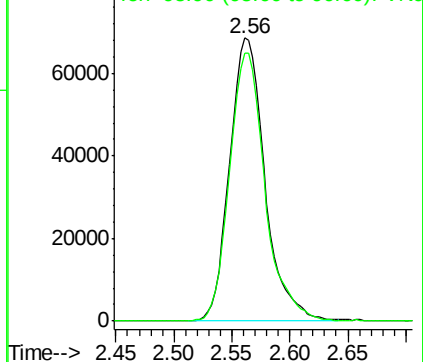
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Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.870 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN053297.D

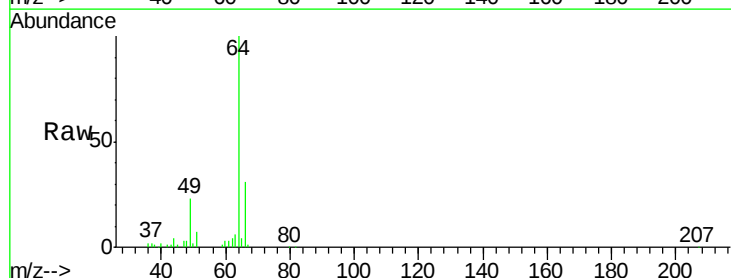
Acq: 7 Jan 2019 11:54

Tgt Ion: 64 Resp: 128304

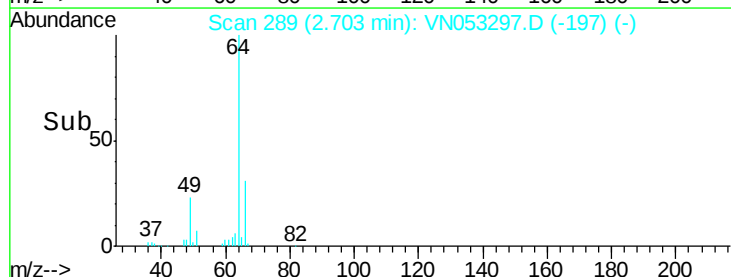
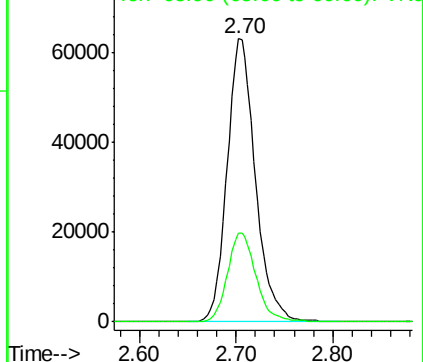
Ion Ratio Lower Upper

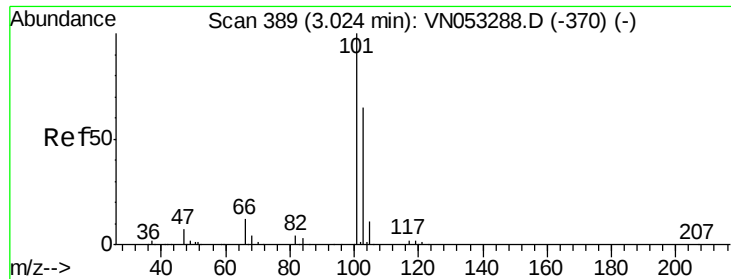
64 100

66 31.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





#7

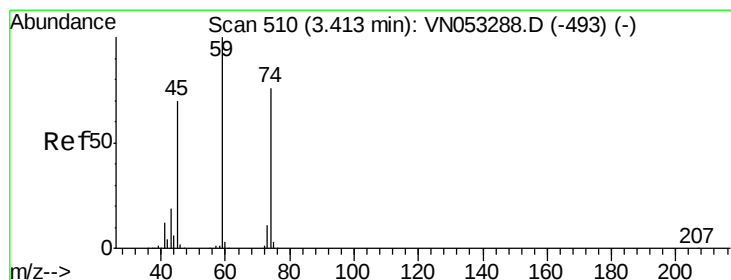
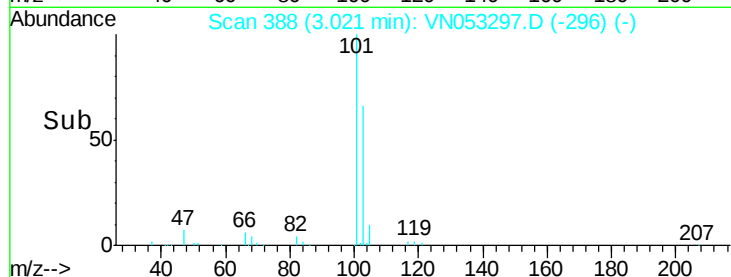
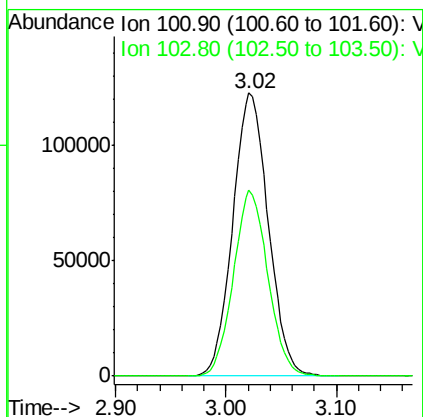
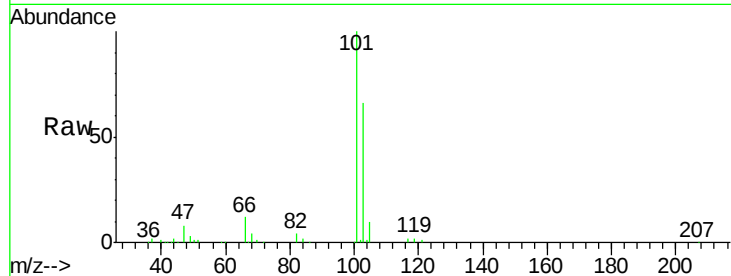
Trichlorofluoromethane
 Concen: 19.779 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.1	78.1

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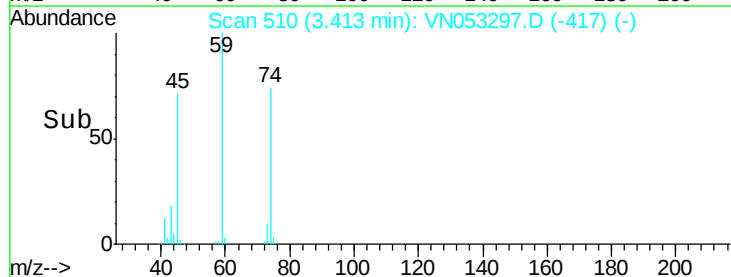
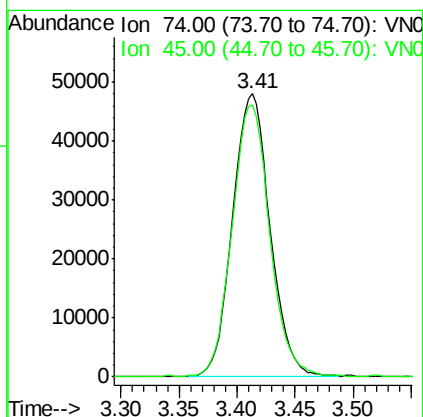
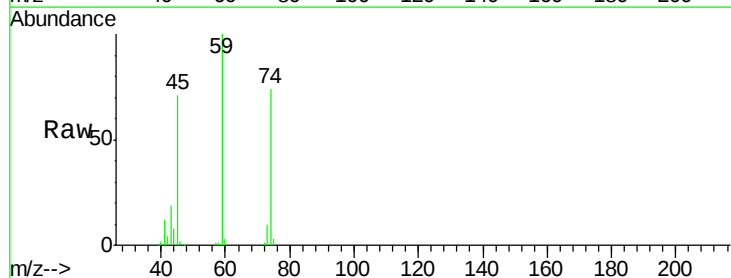
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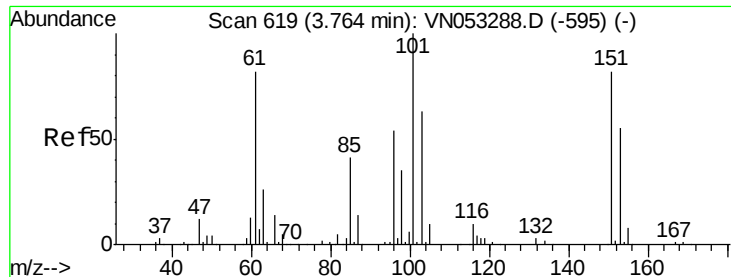


#8

Diethyl Ether
 Concen: 19.832 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	48.3	144.9





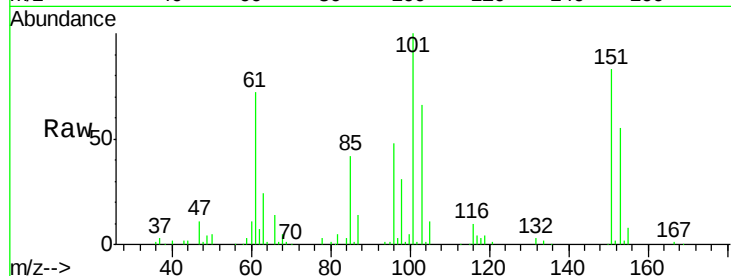
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.381 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0107WBS01

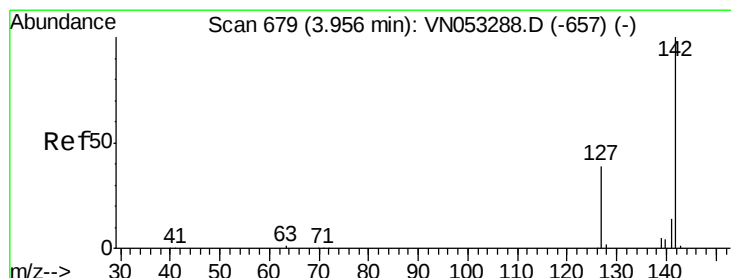
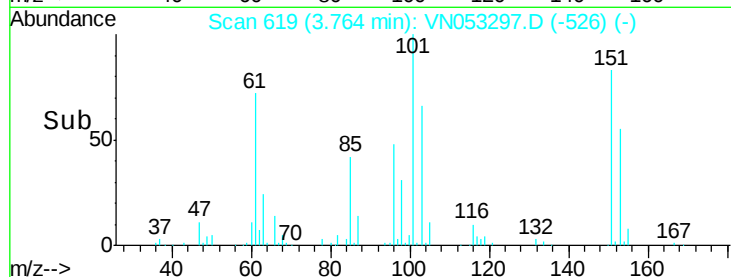
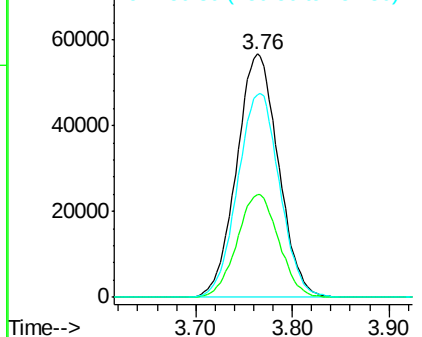
Tot Ion	Ratio	Lower	Upper
101	100		
85	42.0	33.3	49.9
151	84.4	67.0	100.4

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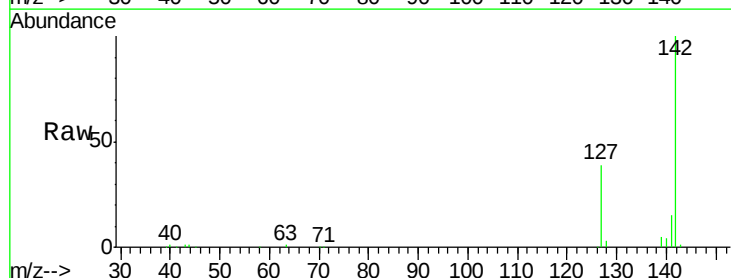


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

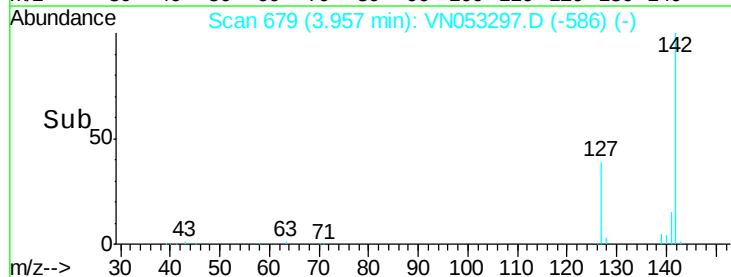
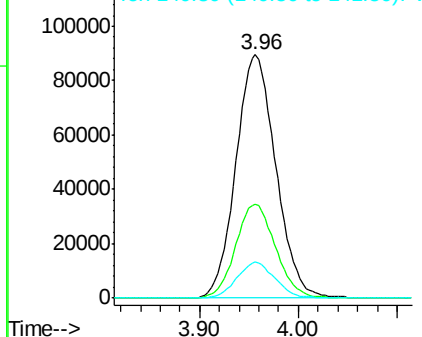


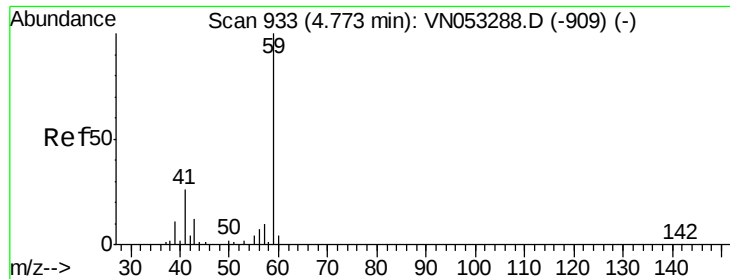
#10
 Methyl Iodide
 Concen: 20.382 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.7	30.9	46.3
141	14.2	11.2	16.8



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





#11

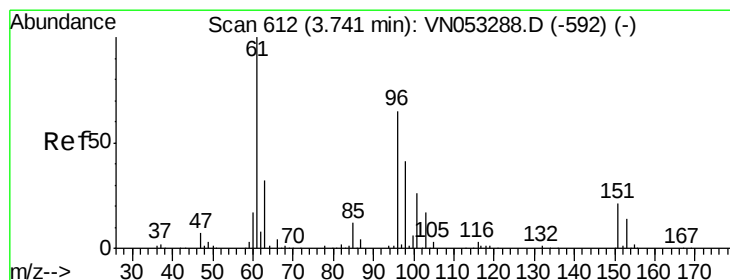
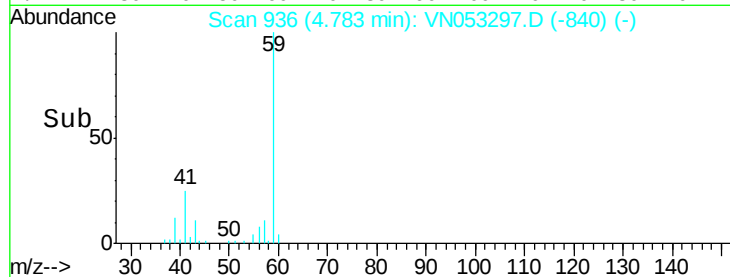
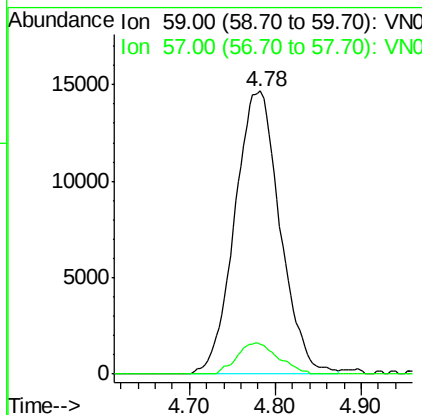
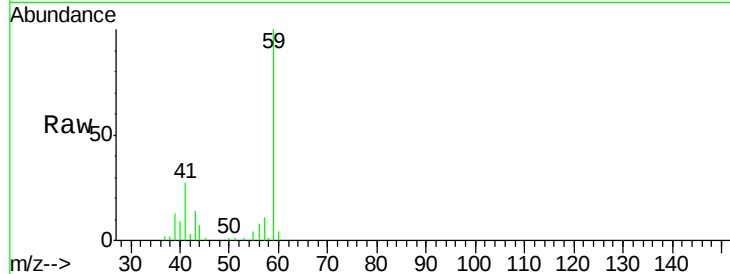
Tert butyl alcohol
 Concen: 94.258 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0107WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

Manual Integrations
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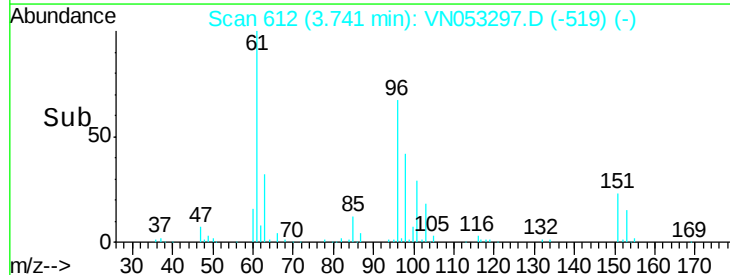
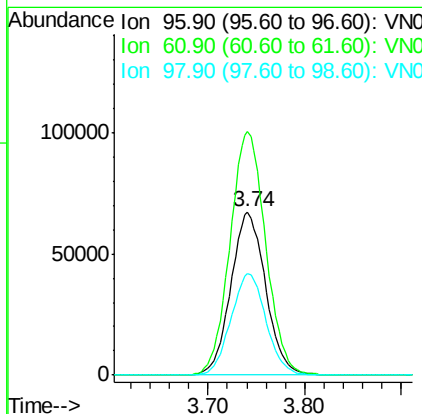
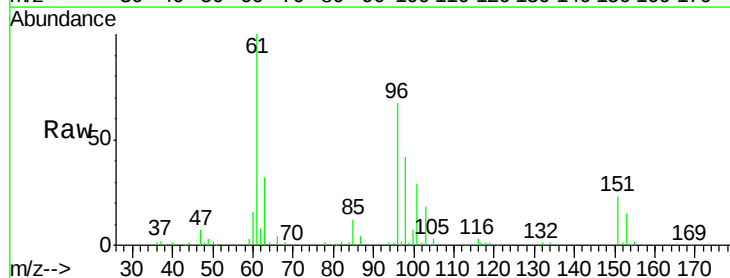
MMDadoda
 1/8/2019 9:25:01 AM

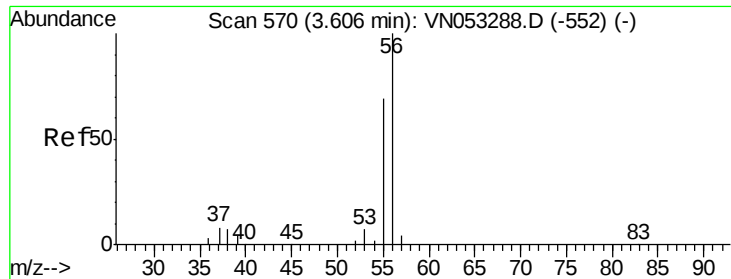


#12

1,1-Dichloroethene
 Concen: 19.799 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.3	123.2	184.8
98	62.6	50.5	75.7





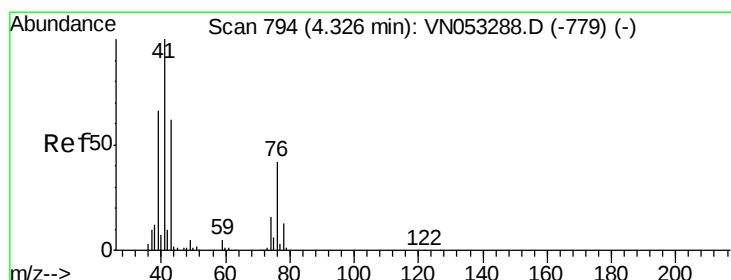
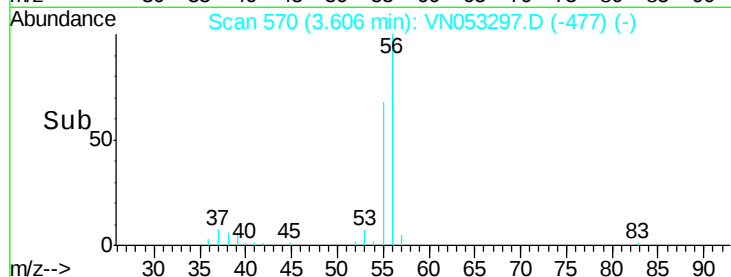
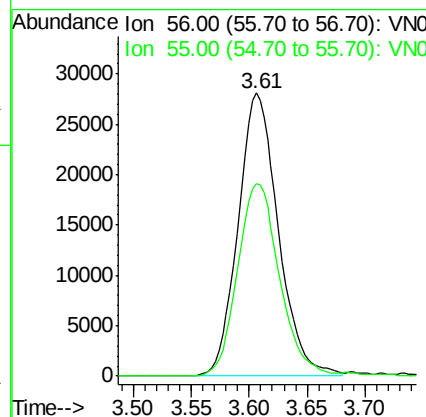
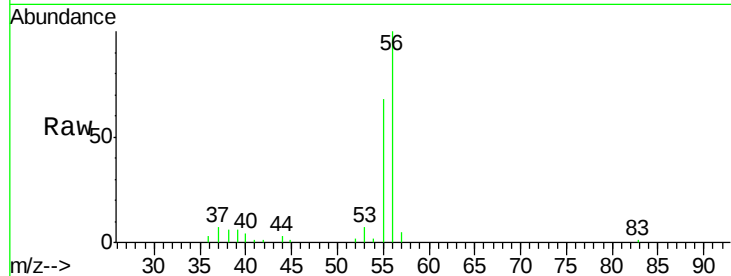
#13
 Acrolein
 Concen: 94.415 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0107WBS01

Tot Ion	56	55	Ratio	Lower	Upper
67629	100	70.7		56.3	84.5

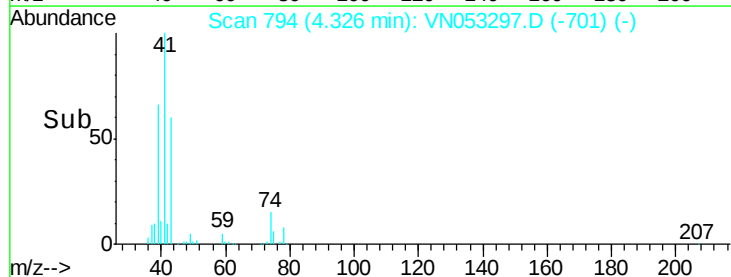
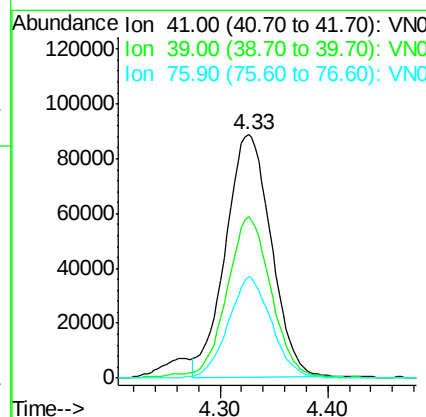
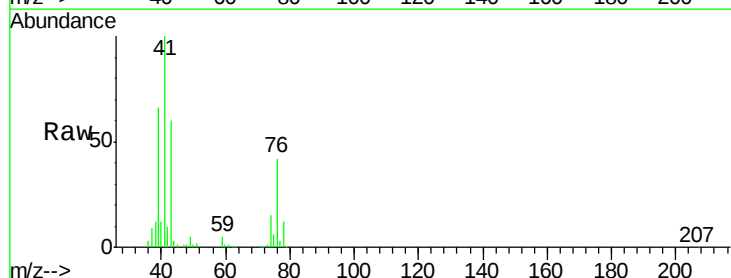
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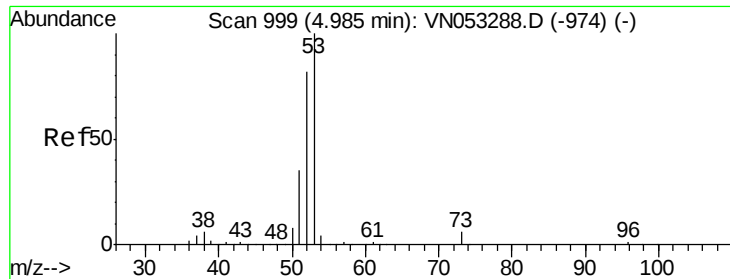
MMDadoda
 1/8/2019 9:25:01 AM



#14
 Allyl chloride
 Concen: 19.068 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion	41	39	76	Ratio	Lower	Upper
261060	100	65.3	39.4		51.9	77.9
					31.2	46.8





#15

Acrylonitrile

Concen: 98.177 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

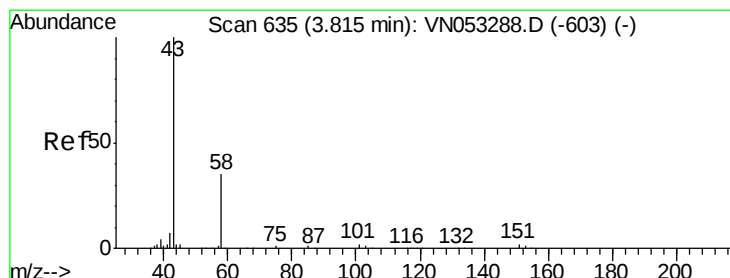
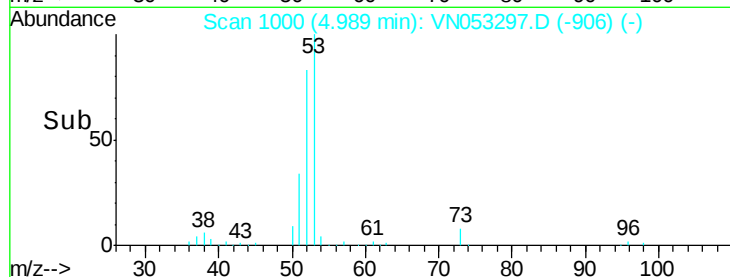
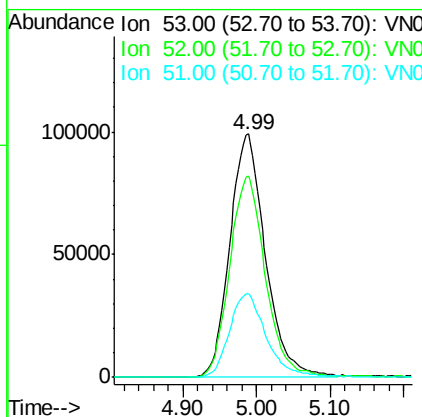
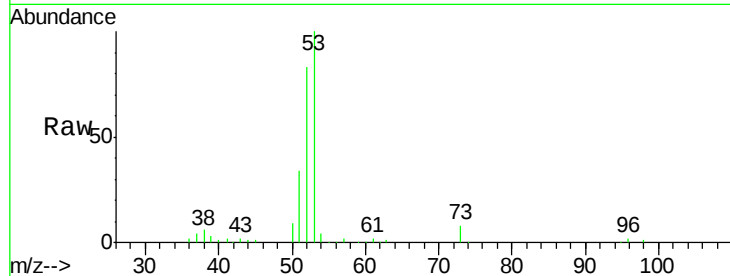
ClientSampleId :

VN0107WBS01

Tot Ion:	53	Resp:	333883
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.2	97.8
51	35.4	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 103.389 ug/l

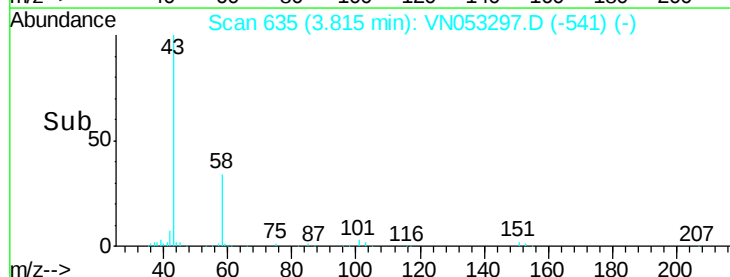
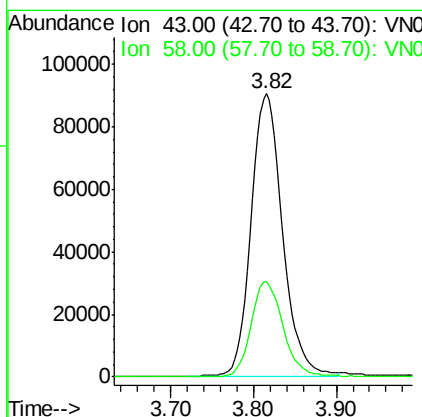
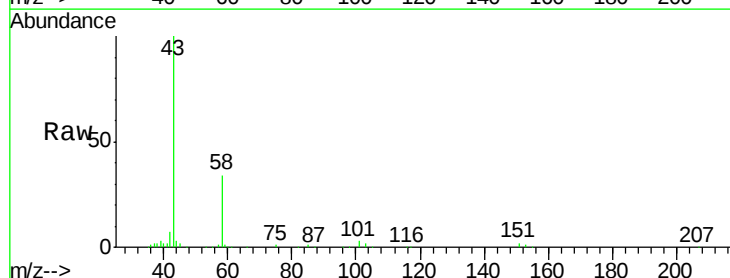
RT: 3.82 min Scan# 635

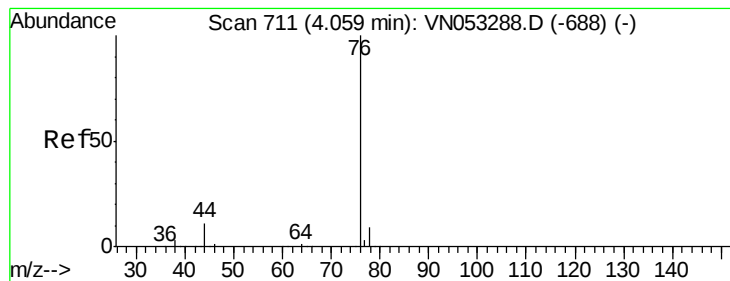
Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Tgt Ion:	43	Resp:	238667
Ion	Ratio	Lower	Upper
43	100		
58	33.8	27.8	41.6





#17

Carbon Disulfide

Concen: 19.421 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0107WBS01

Tot Ion: 76 Resp: 508614

Ion Ratio Lower Upper

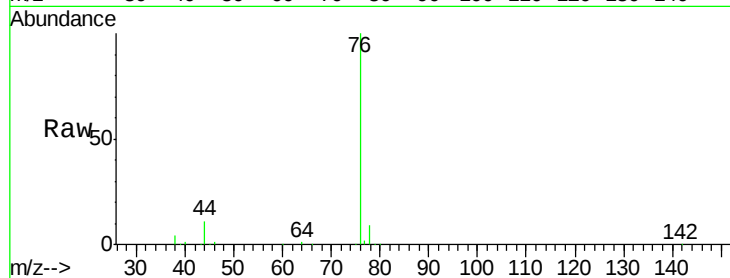
76 100

78 9.4 7.2 10.8

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.06

200000

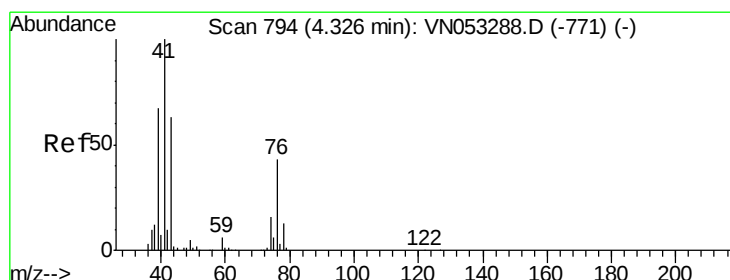
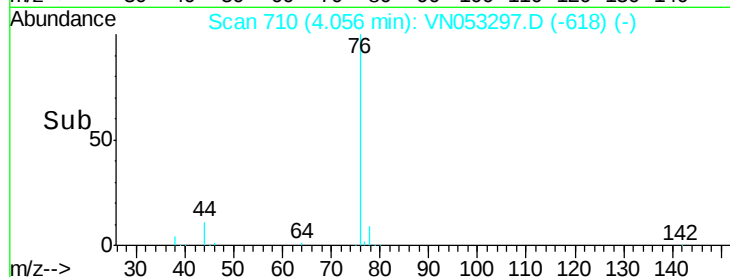
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 18.148 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053297.D

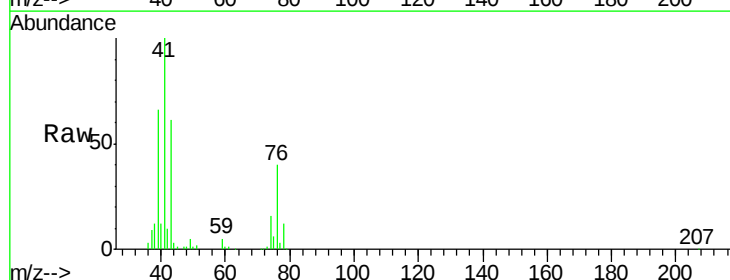
Acq: 7 Jan 2019 11:54

Tgt Ion: 43 Resp: 155568

Ion Ratio Lower Upper

43 100

74 24.7 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.32

60000

50000

40000

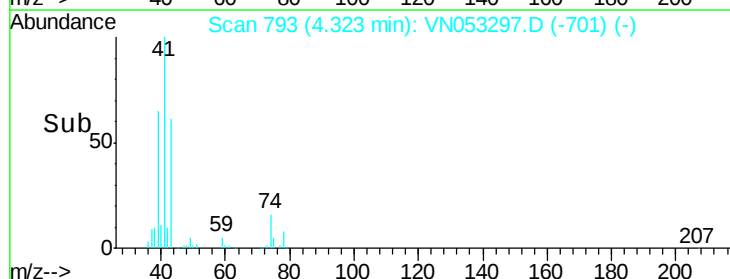
30000

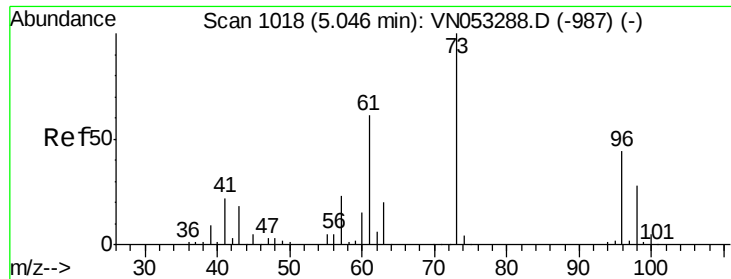
20000

10000

0

Time-->





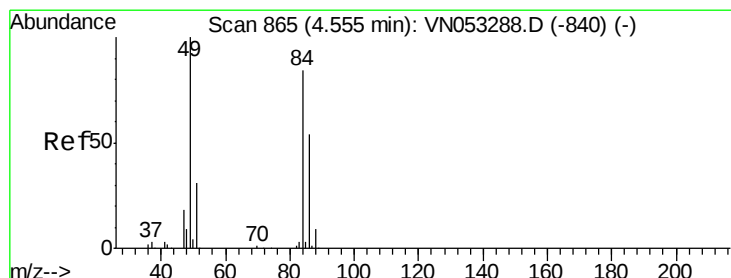
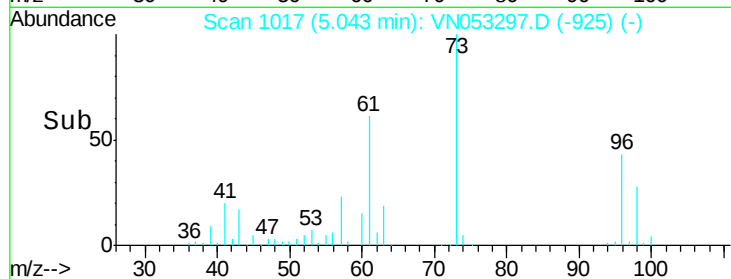
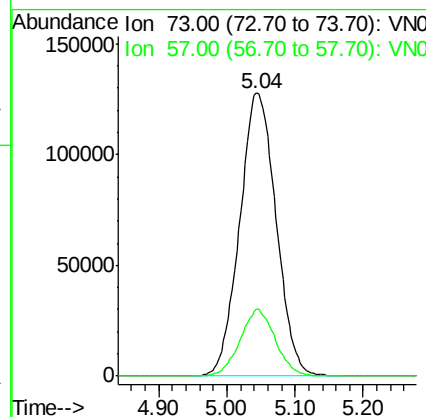
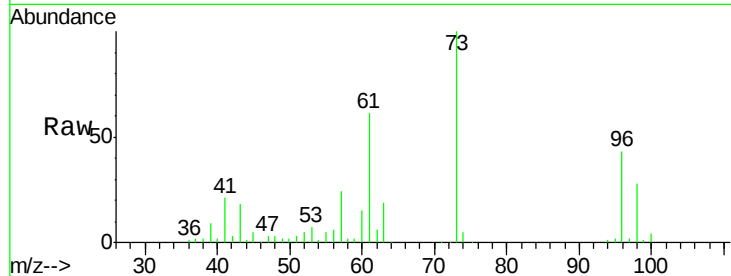
#19
Methvl tert-butvl Ether
Concen: 19.872 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Instrument :
MSVOA_N
ClientSampled :
VN0107WBS01

Tot Ion: 73 Resp: 473775
Ion Ratio Lower Upper
73 100
57 23.6 18.5 27.7

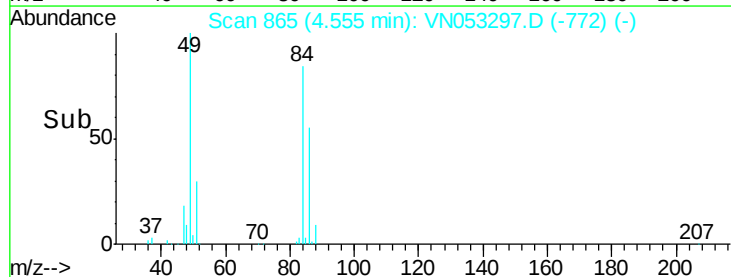
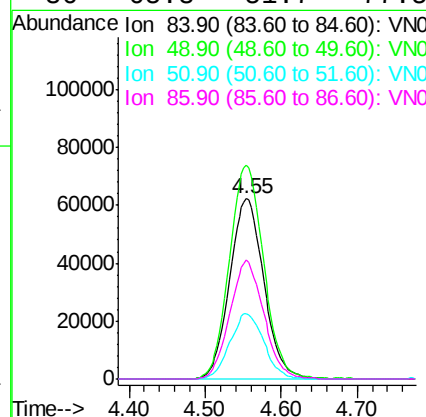
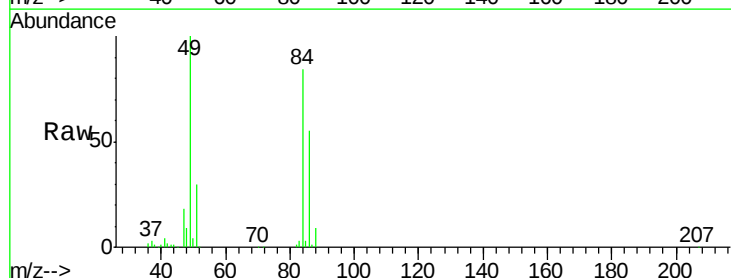
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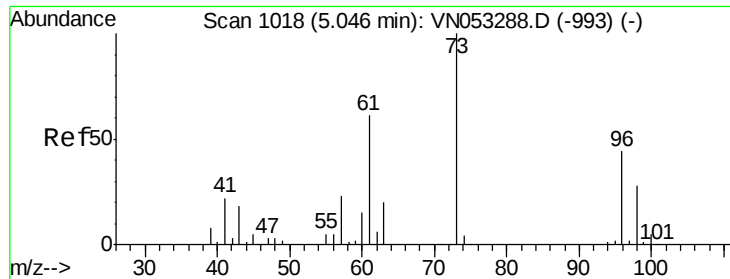
MMDadoda
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#20
Methylene Chloride
Concen: 19.168 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion: 84 Resp: 194992
Ion Ratio Lower Upper
84 100
49 118.6 95.3 142.9
51 36.2 29.0 43.6
86 65.8 51.7 77.5





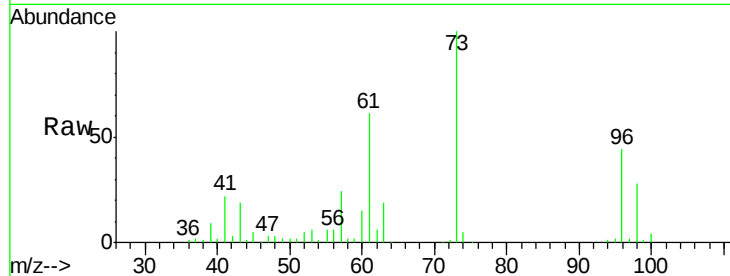
#21
trans-1,2-Dichloroethene
Concen: 19.748 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Instrument :
MSVOA_N
ClientSampled :
VN0107WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.1	110.2	165.4
98	64.1	50.7	76.1

Manual Integrations
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1/8/2019 9:25:01 AM

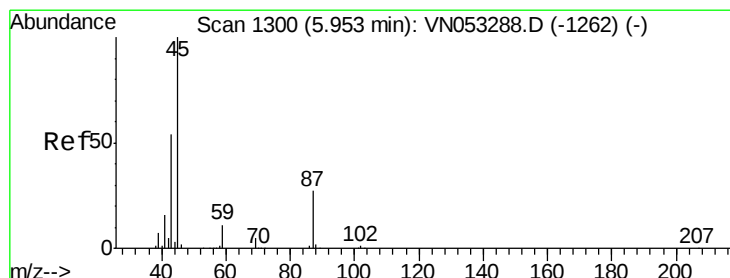
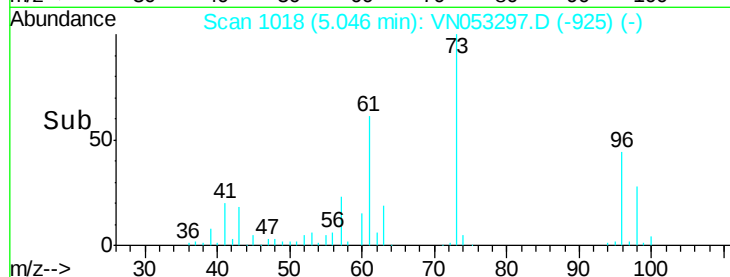
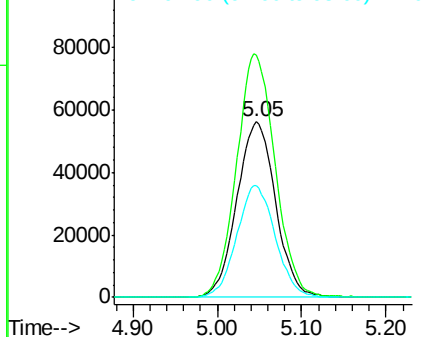


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 19.875 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.2	43.0	64.6
87	28.0	22.1	33.1
59	11.9	9.0	13.4

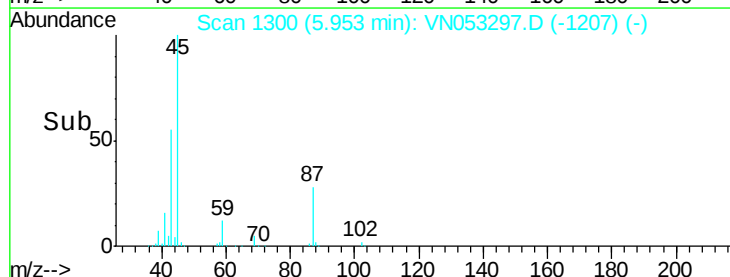
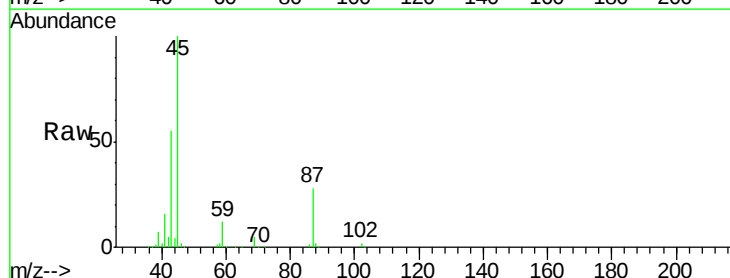
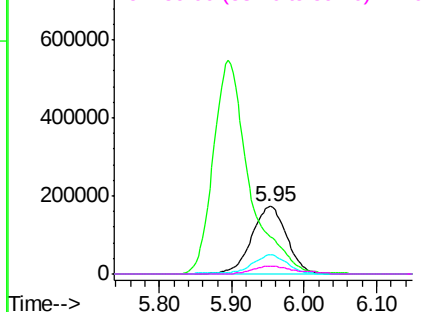
Abundance

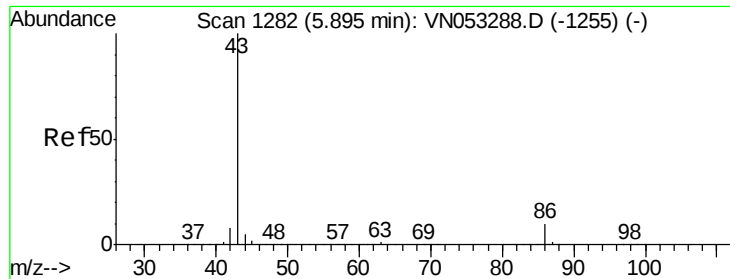
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





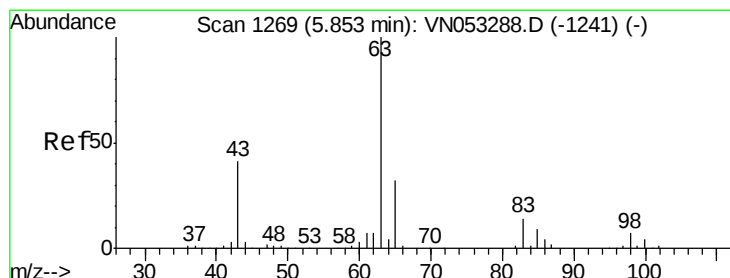
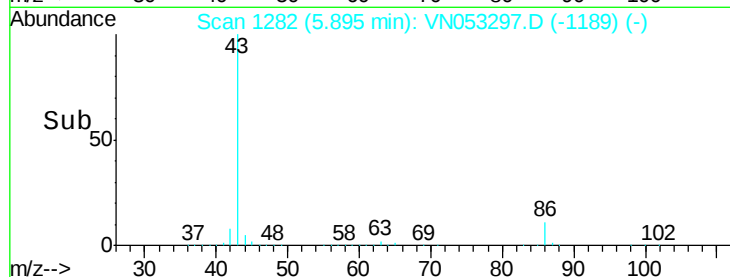
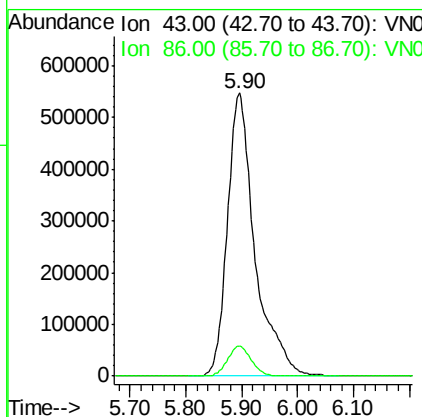
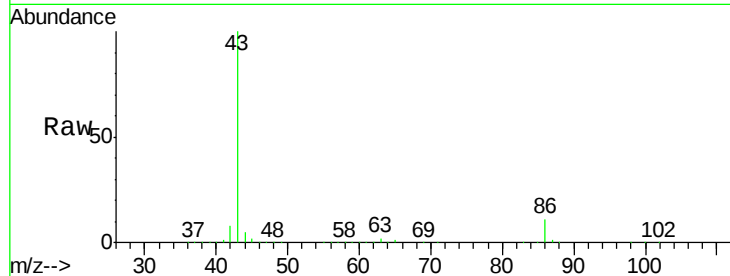
#23
 Vinyl Acetate
 Concen: 101.324 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0107WBS01

Tot Ion: 43 Resp: 1880420
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6

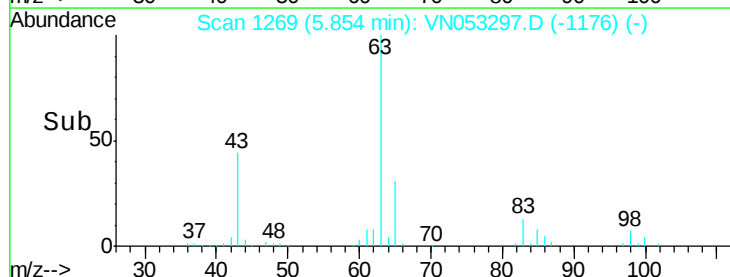
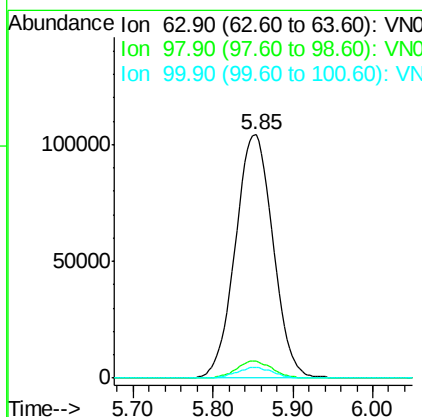
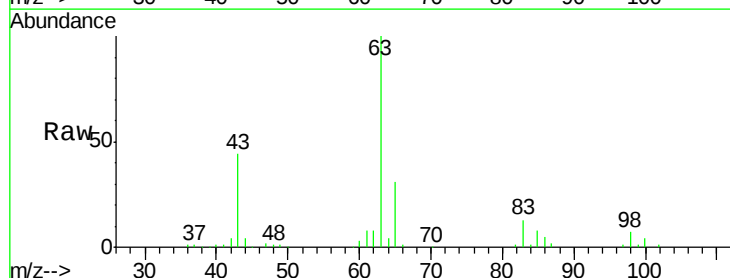
Manual Integrations
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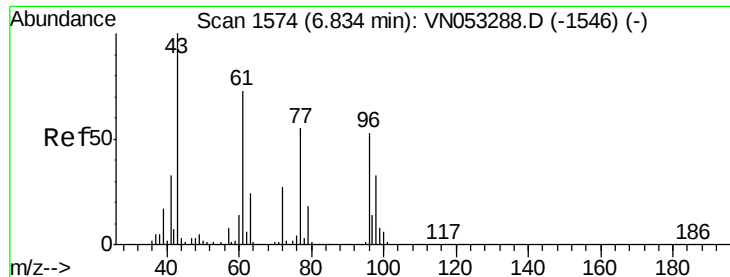
MMDadoda
 1/8/2019 9:25:01 AM



#24
 1,1-Dichloroethane
 Concen: 19.586 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion: 63 Resp: 333185
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.8
 100 4.5 2.1 6.5





#25

2-Butanone

Concen: 97.233 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0107WBS01

Tot Ion: 43 Resp: 377828

Ion Ratio Lower Upper

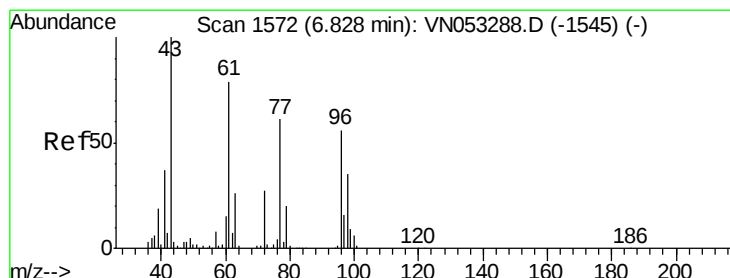
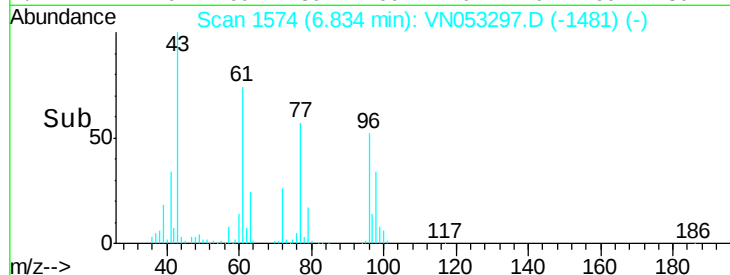
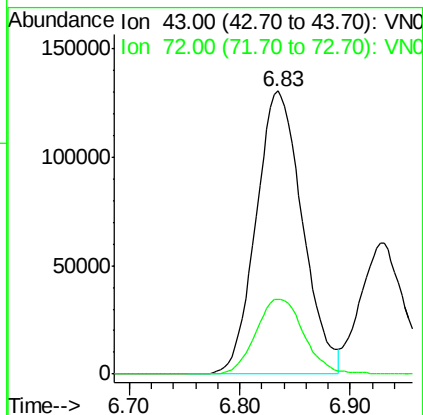
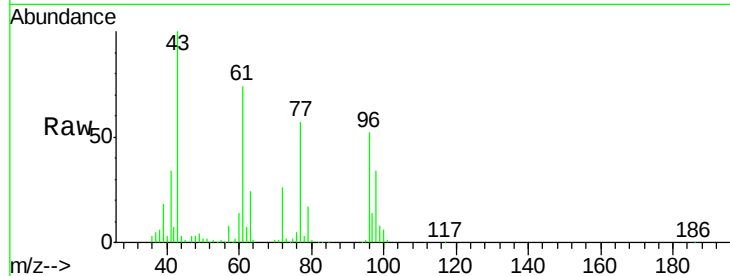
43 100

72 26.5 22.0 33.0

Manual Integrations
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1/8/2019 9:25:01 AM



#26

2,2-Dichloropropane

Concen: 19.847 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053297.D

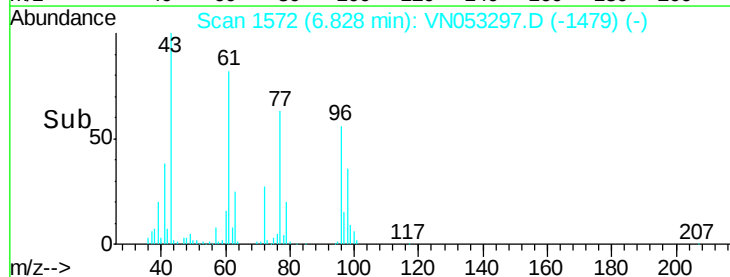
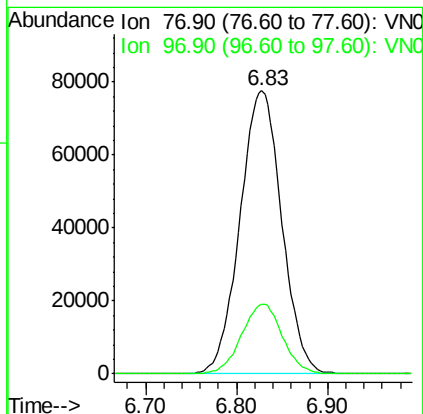
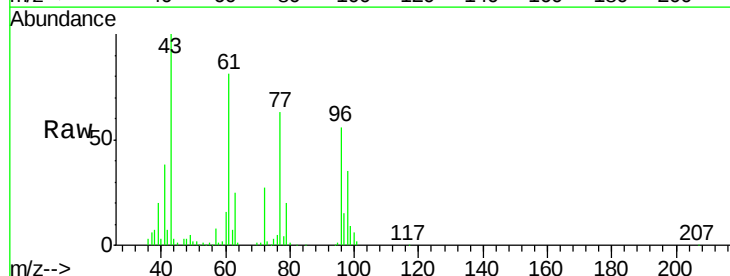
Acq: 7 Jan 2019 11:54

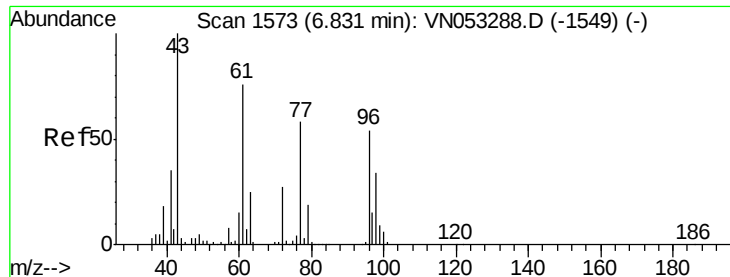
Tgt Ion: 77 Resp: 246794

Ion Ratio Lower Upper

77 100

97 24.2 12.3 36.9





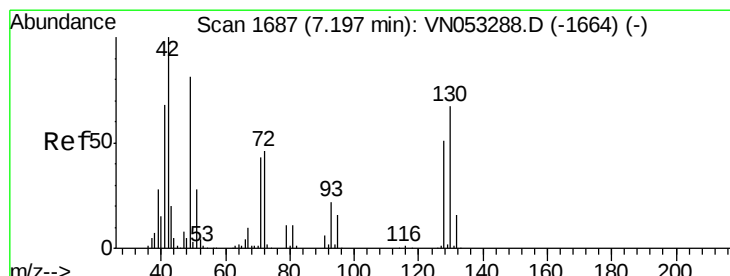
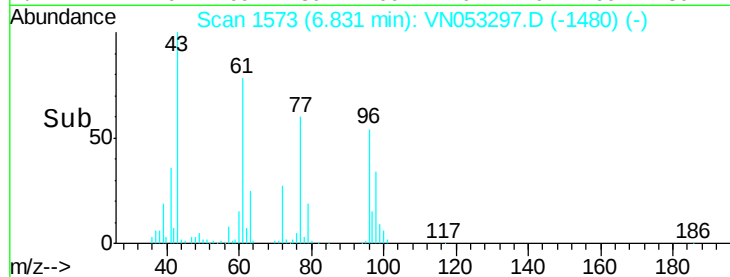
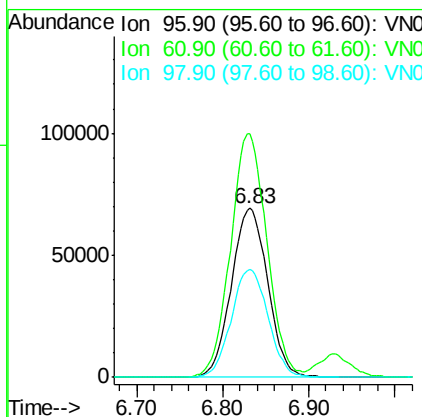
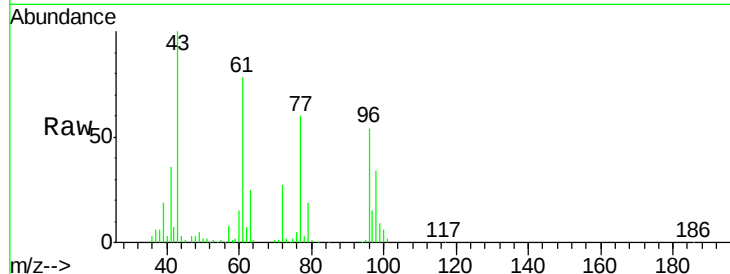
#27
 cis-1,2-Dichloroethene
 Concen: 19.551 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0107WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	203641		
61	143.9	0.0	280.6	
98	64.8	0.0	127.6	

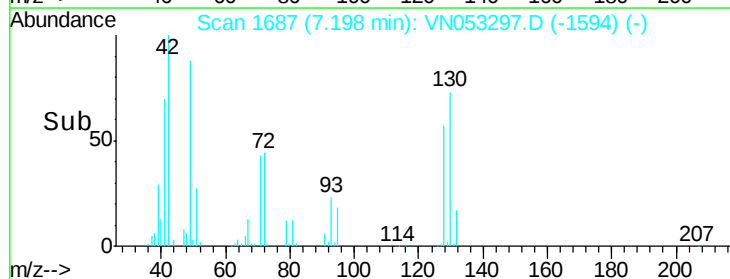
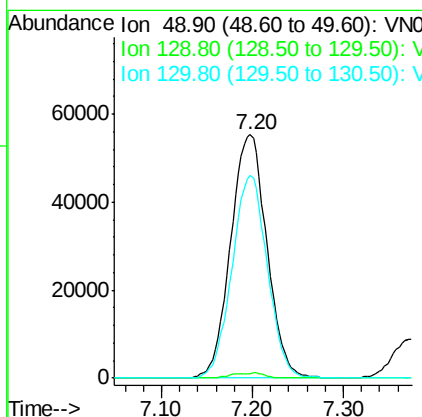
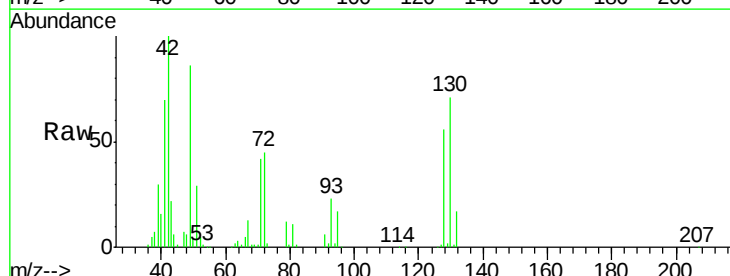
Manual Integrations
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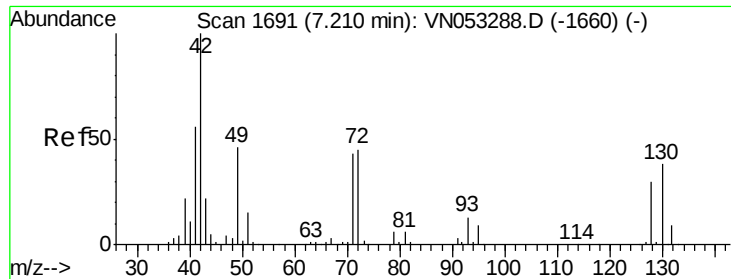
MMDadoda
 1/8/2019 9:25:01 AM



#28
 Bromochloromethane
 Concen: 21.111 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	153034		
129	1.1	0.0	3.8	
130	81.4	65.4	98.0	





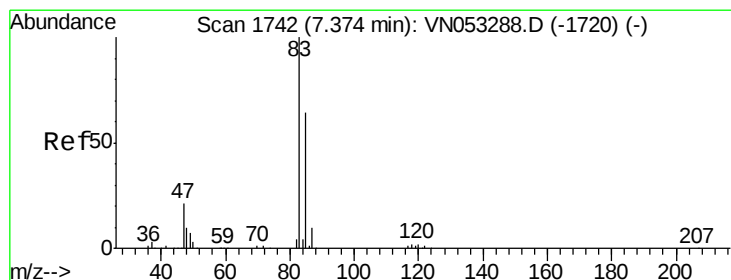
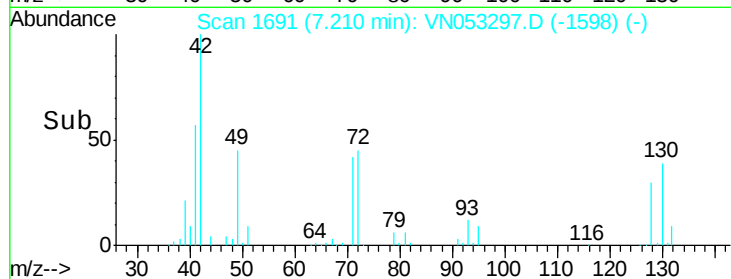
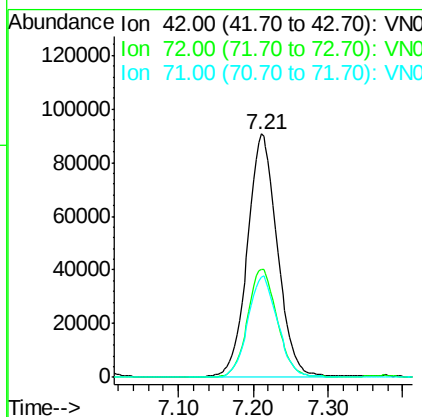
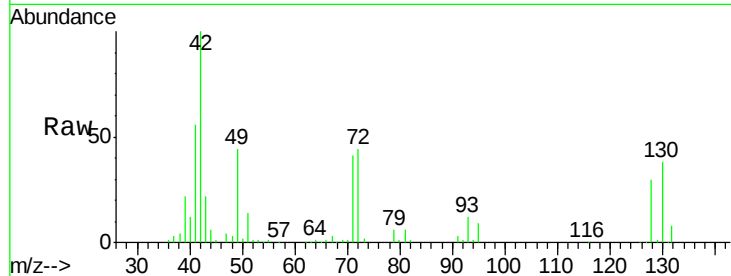
#29
Tetrahydrofuran
Concen: 98.792 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN0107WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	35.6	53.4
71	41.3	33.8	50.8

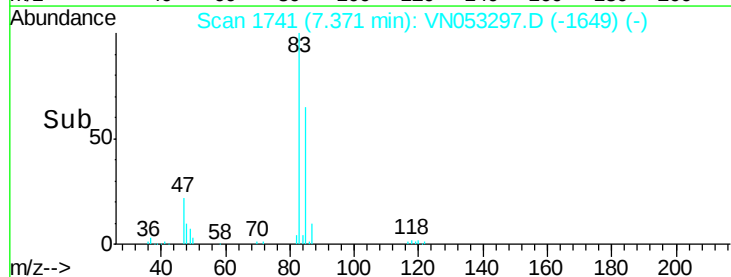
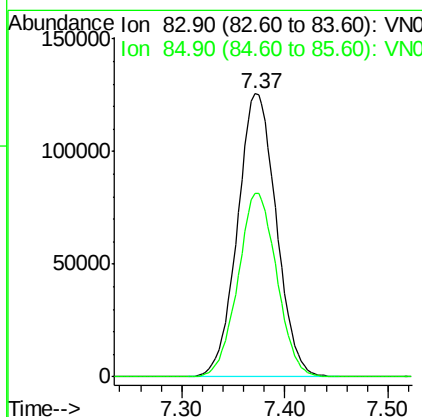
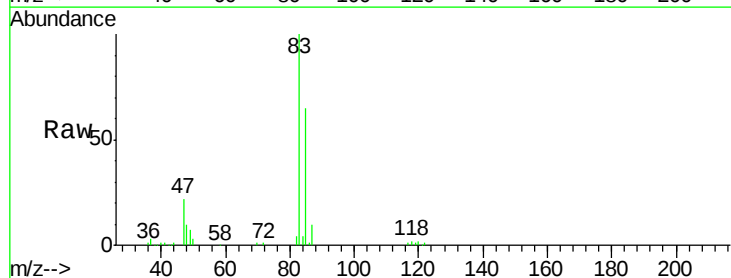
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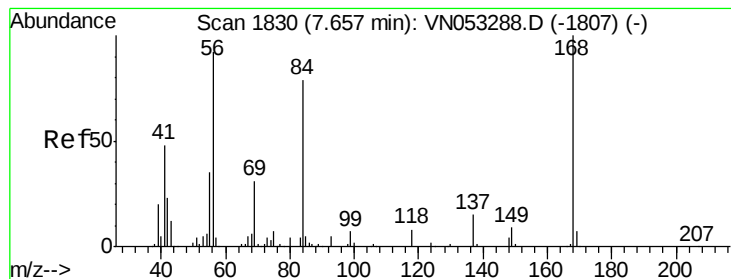
MMDadoda
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#30
Chloroform
Concen: 19.639 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.3	76.9





#31

Cyclohexane

Concen: 19.973 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

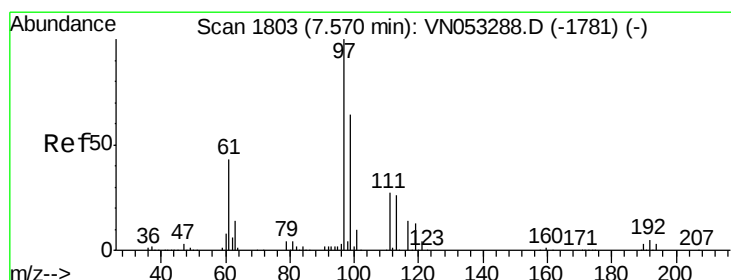
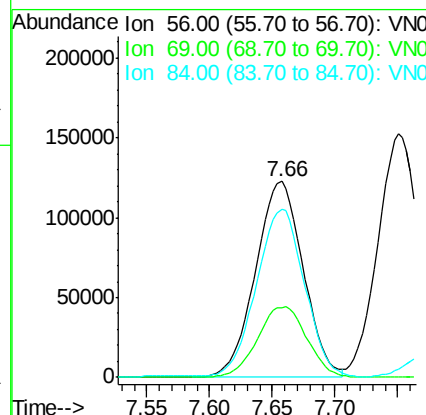
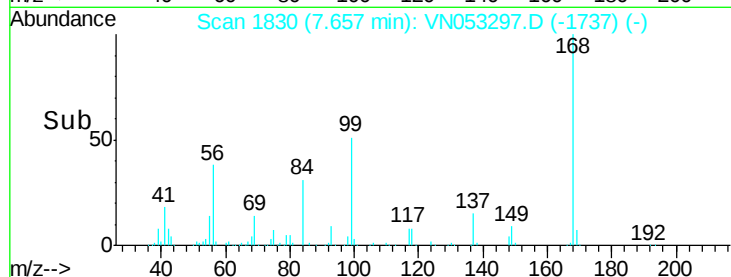
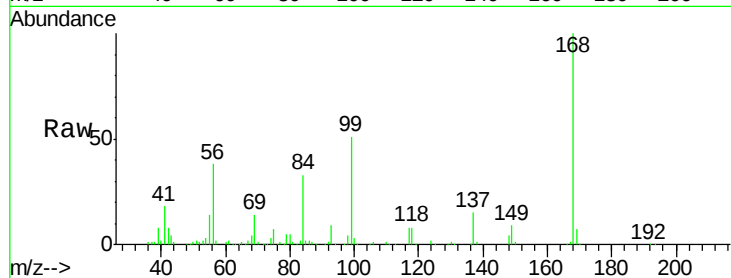
VN0107WBS01

Tot Ion: 56 Resp: 324759

Ion	Ratio	Lower	Upper
56	100		
69	35.9	26.7	40.1
84	84.8	68.2	102.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.478 ug/l

RT: 7.57 min Scan# 1803

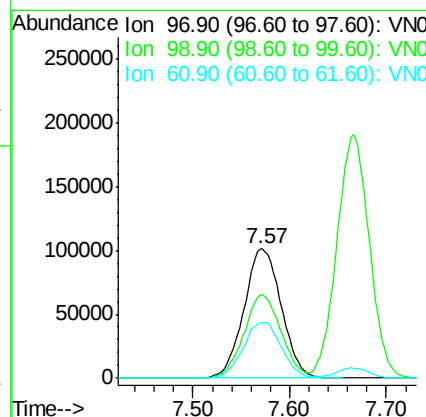
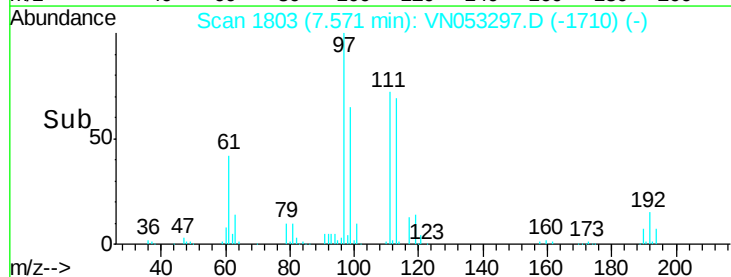
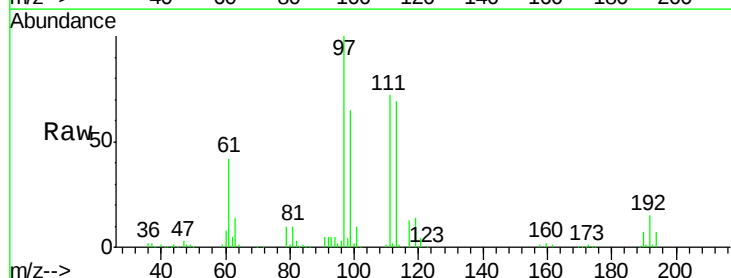
Delta R.T. 0.00 min

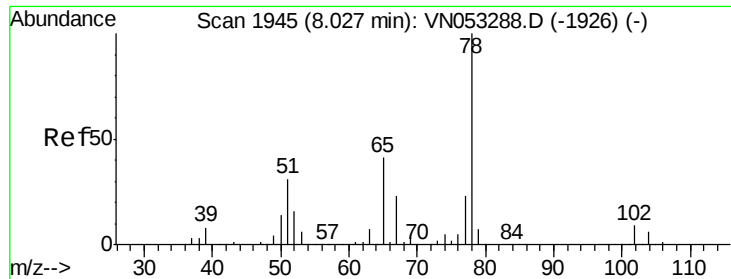
Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Tgt Ion: 97 Resp: 271761

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	43.9	34.6	52.0





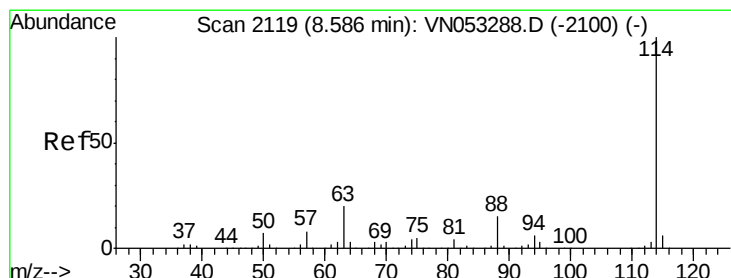
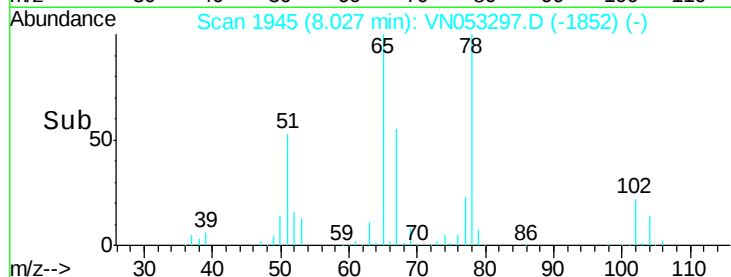
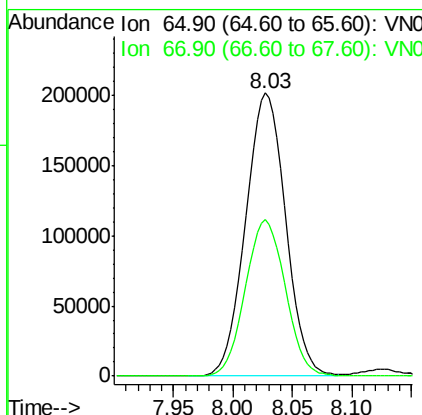
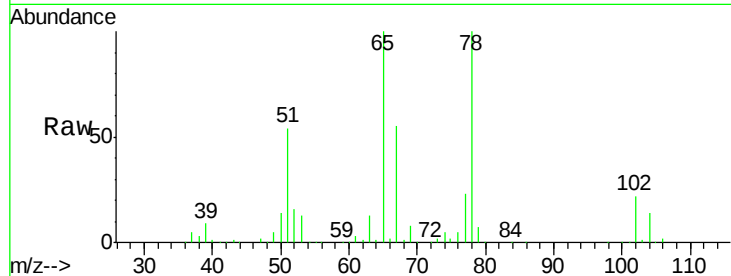
#33
 1,2-Dichloroethane-d4
 Concen: 19.478 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0107WBS01

Tot Ion: 65 Resp: 469833
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 111.0

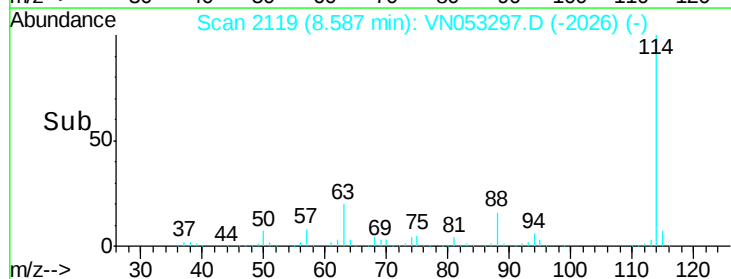
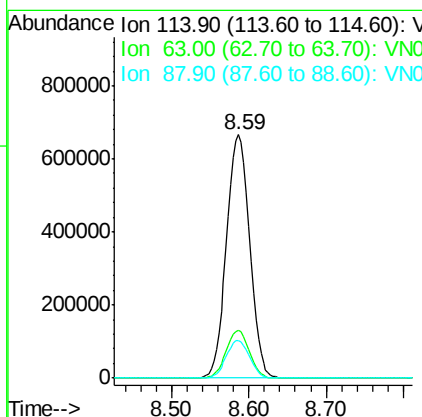
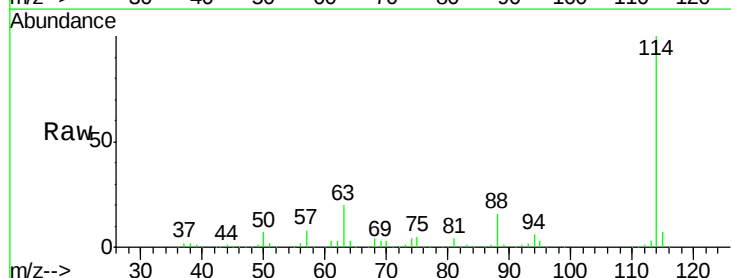
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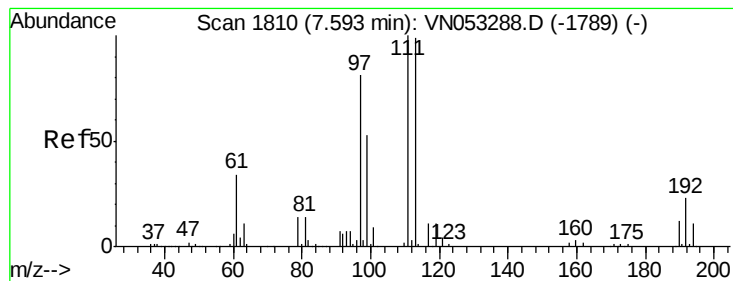
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion: 114 Resp: 1378289
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.6 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: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

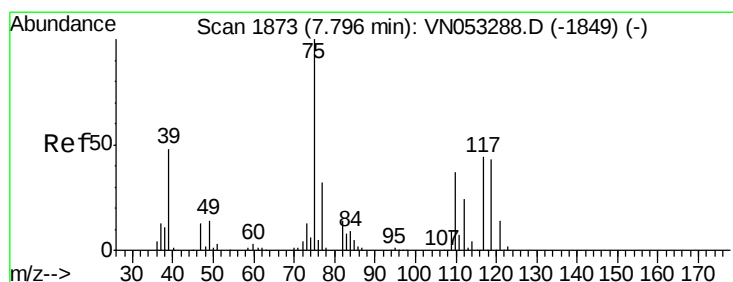
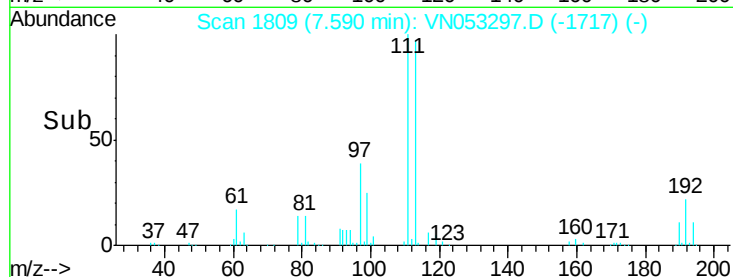
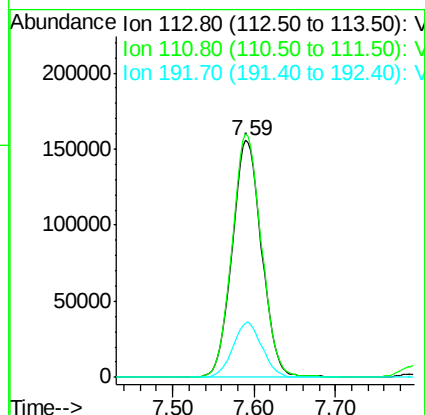
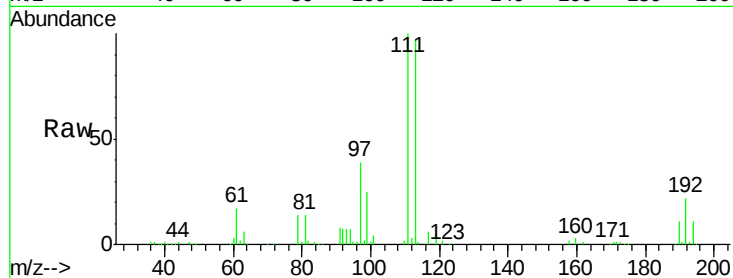
ClientSampled :

VN0107WBS01

Tot Ion:	113	Resp:	393028
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.2
192	22.9	17.9	26.9

Manual Integrations
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1/8/2019 9:25:01 AM



#36

1,1-Dichloropropene

Concen: 19.771 ug/l

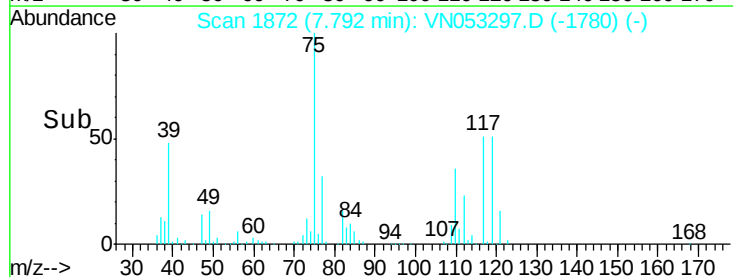
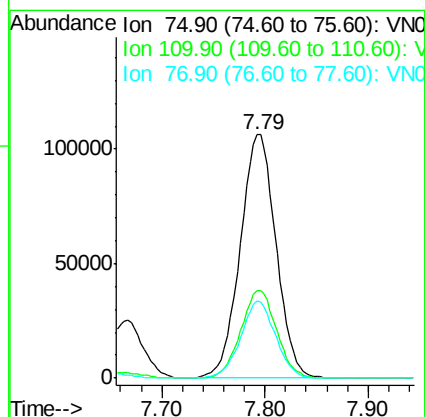
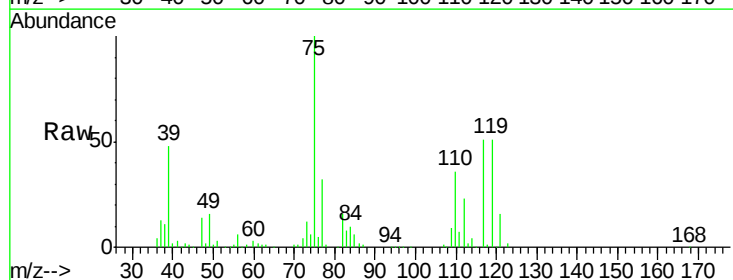
RT: 7.79 min Scan# 1872

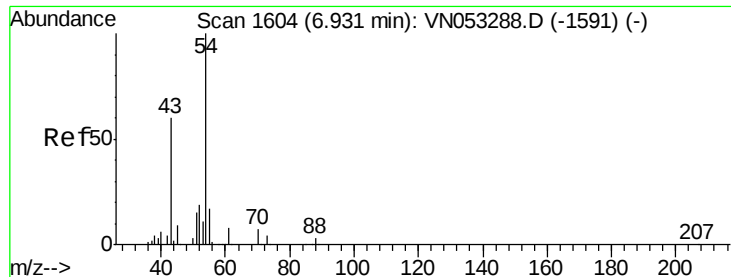
Delta R.T. -0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Tgt Ion:	75	Resp:	254403
Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.4	55.0
77	31.3	25.3	37.9





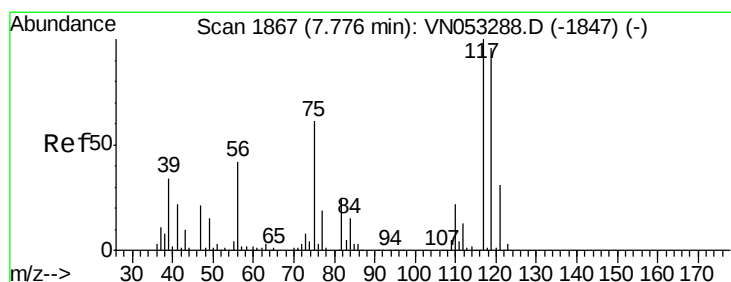
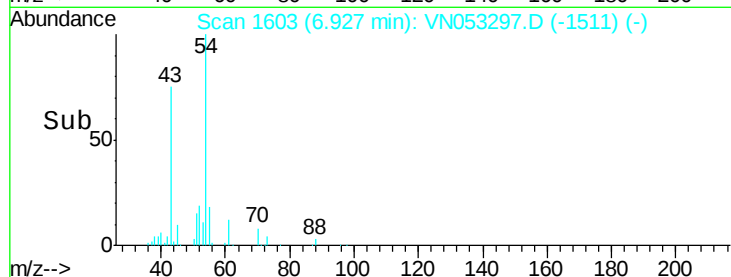
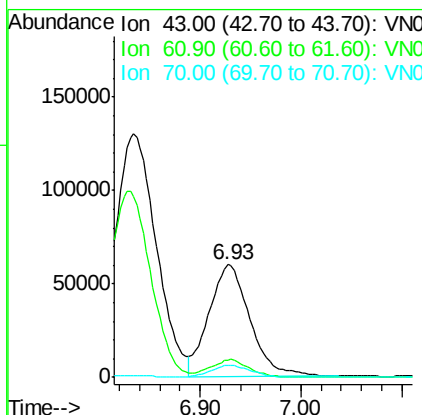
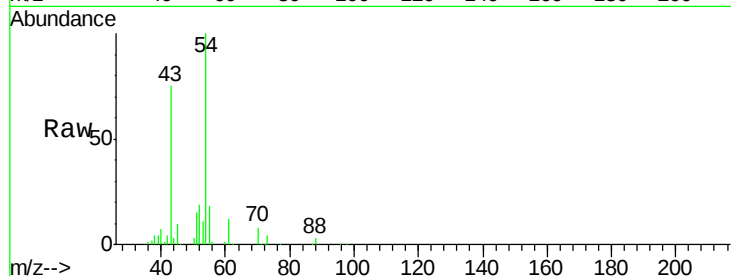
#37
Ethyl Acetate
Concen: 20.103 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN0107WBS01

Tot Ion	43	61	70
Resp	168488		
Ratio	100	14.7	10.1
Lower		11.9	8.6
Upper		17.9	13.0

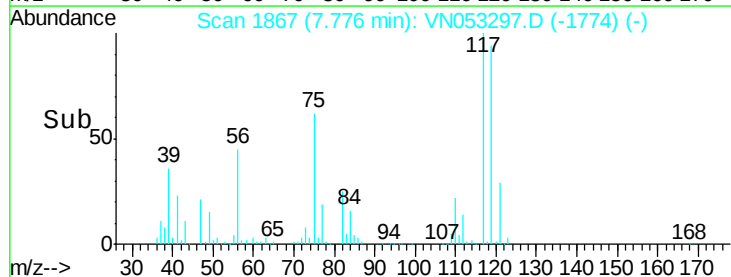
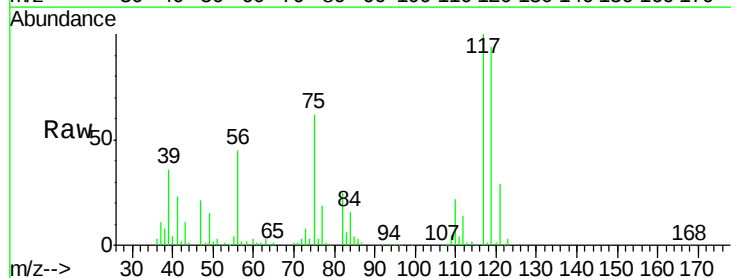
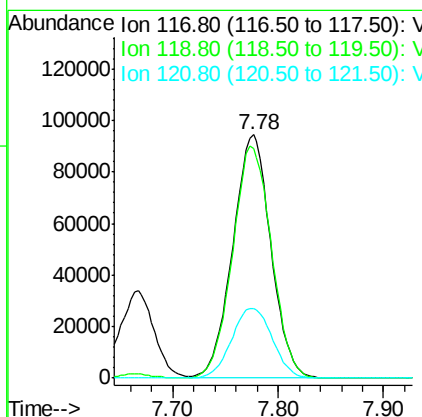
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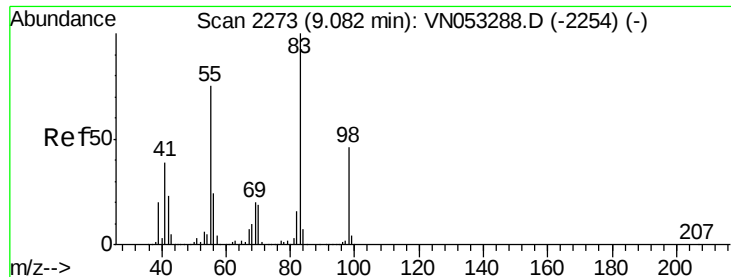
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#38
Carbon Tetrachloride
Concen: 19.990 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion	117	119	121
Resp	237408		
Ratio	100	94.2	28.8
Lower		76.6	25.0
Upper		115.0	37.4





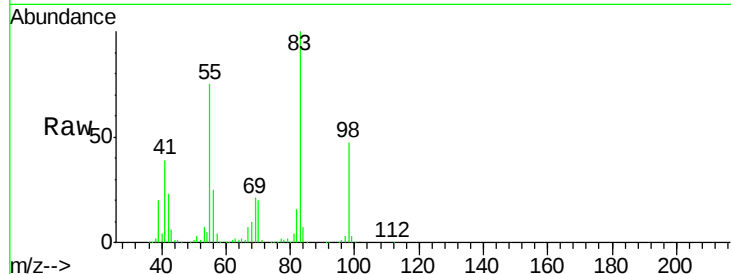
#39
Methvlcvclohexane
Concen: 19.948 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN0107WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	297365		
55	75.0		60.1	90.1
98	46.9		36.7	55.1

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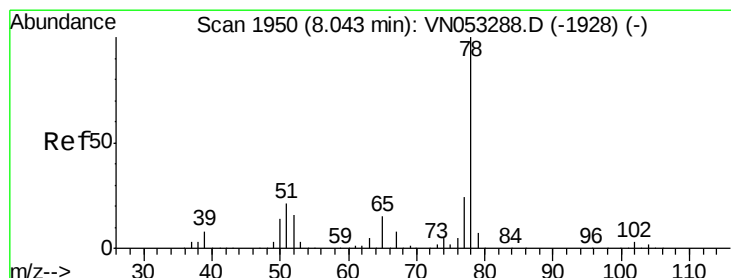
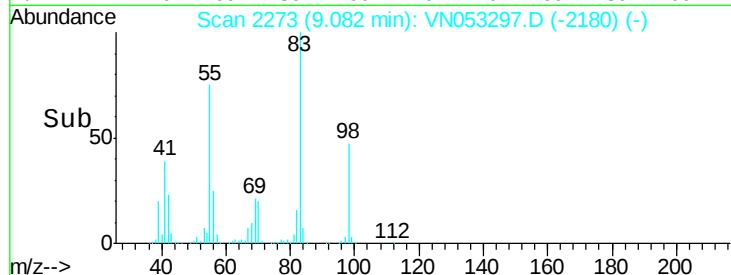
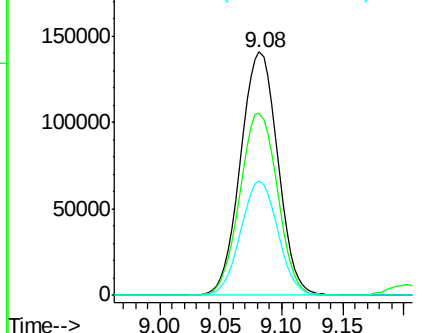
MMDadoda
1/8/2019 9:25:01 AM



Abundance Ion 83.00 (82.70 to 83.70): VN053288.D (-2254) (-)

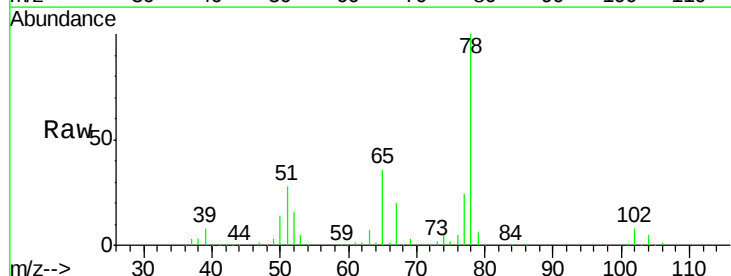
Ion 55.00 (54.70 to 55.70): VN053288.D (-2254) (-)

Ion 98.00 (97.70 to 98.70): VN053288.D (-2254) (-)



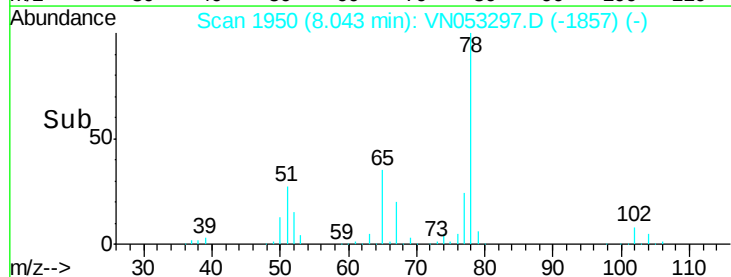
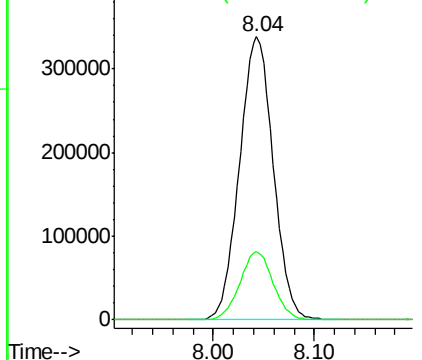
#40
Benzene
Concen: 19.937 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

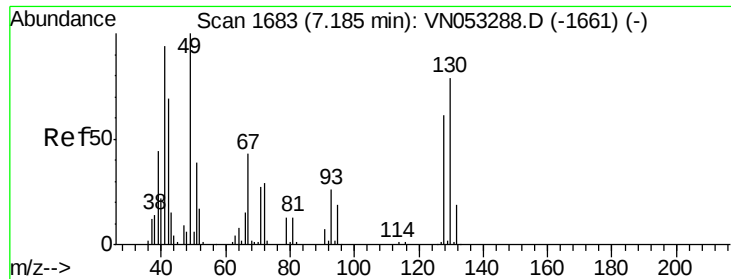
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	783612		
77	24.0		19.0	28.4



Abundance Ion 78.00 (77.70 to 78.70): VN053288.D (-1928) (-)

Ion 77.00 (76.70 to 77.70): VN053288.D (-1928) (-)





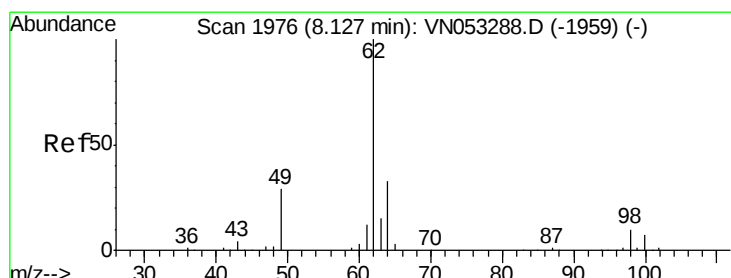
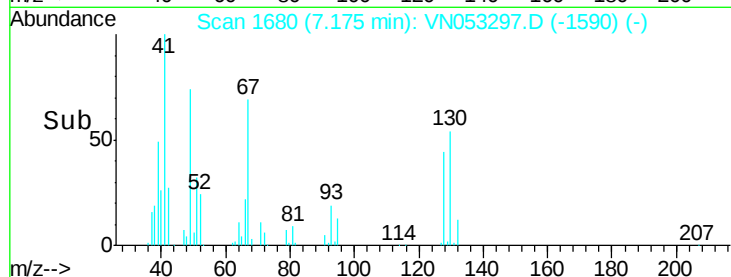
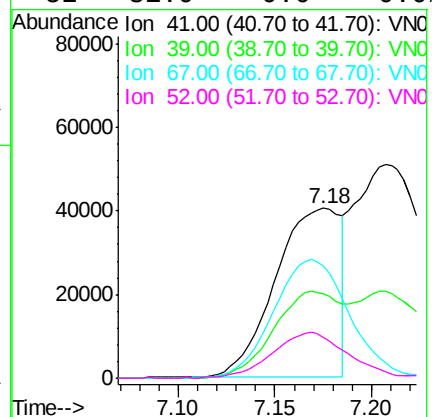
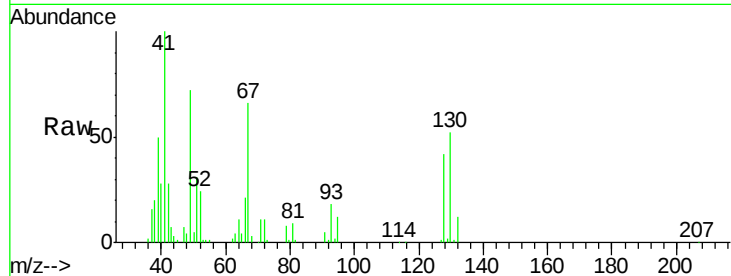
#41
Methacrylonitrile
Concen: 18.279 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN0107WBS01

Tot Ion	41	Resp	95114
Ion Ratio	100		
Lower	0.0		
Upper	0.0#		
39	54.3	0.0	0.0#
67	81.7	0.0	0.0#
52	31.9	0.0	0.0#

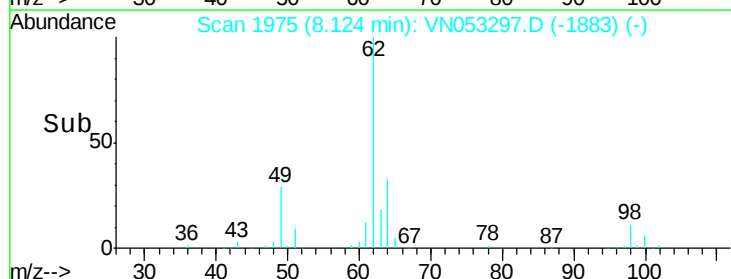
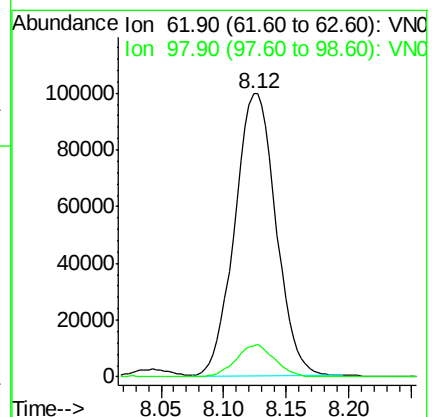
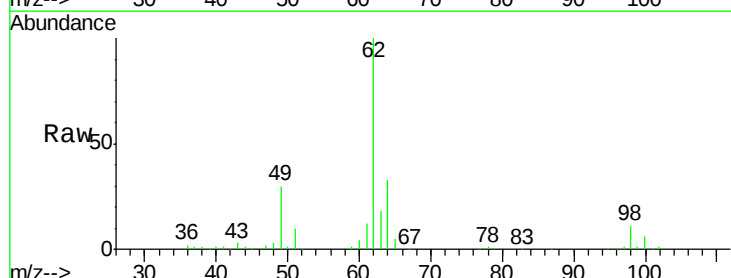
Manual Integrations
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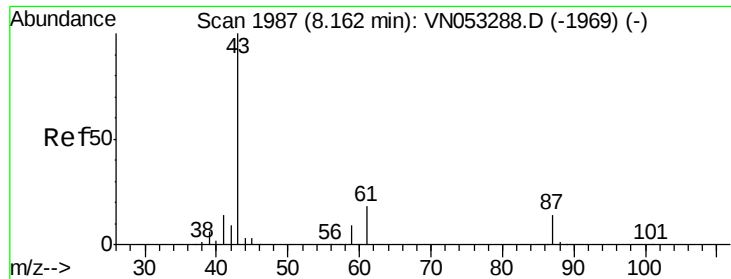
MMDadoda
1/8/2019 9:25:01 AM



#42
1,2-Dichloroethane
Concen: 19.569 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion	62	Resp	228145
Ion Ratio	100		
Lower	0.0		
Upper	20.2		
98	10.7	0.0	20.2





#43

Isopropyl Acetate

Concen: 18.681 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

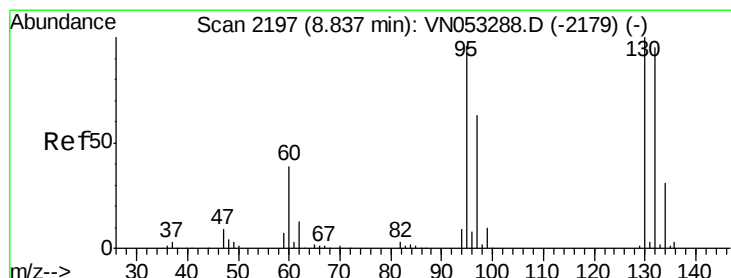
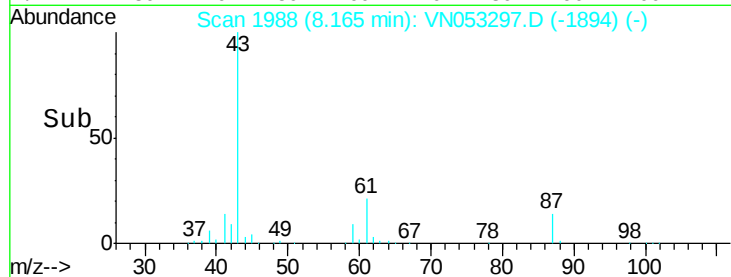
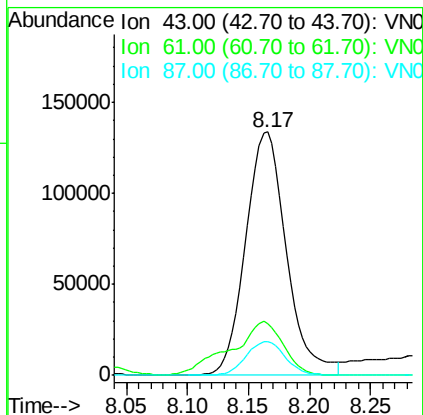
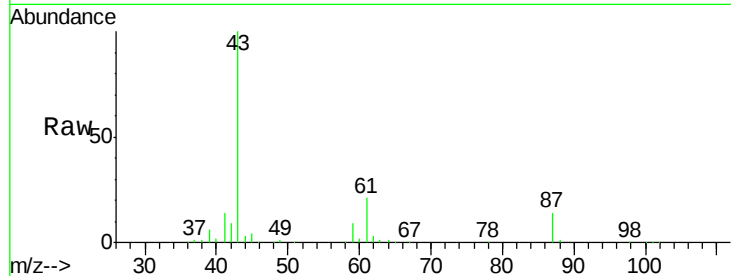
ClientSampled :

VN0107WBS01

Tot Ion:	43	Resp:	308011
Ion	Ratio	Lower	Upper
43	100		
61	28.4	23.3	34.9
87	13.4	10.8	16.2

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1/8/2019 9:25:01 AM



#44

Trichloroethene

Concen: 19.754 ug/l

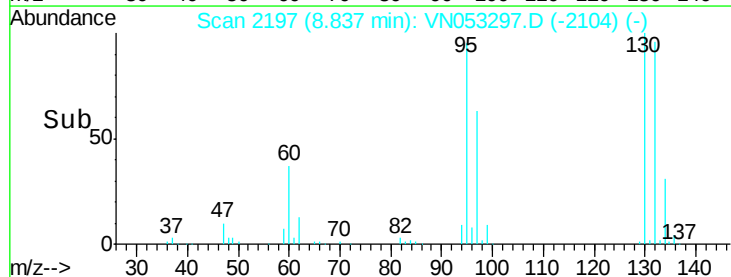
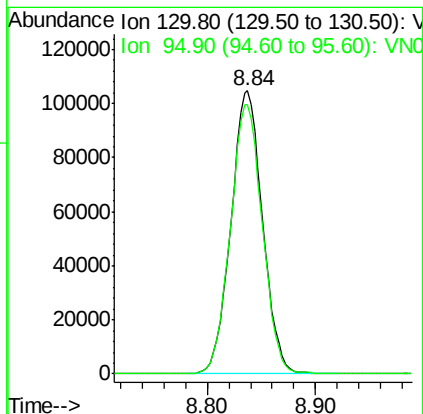
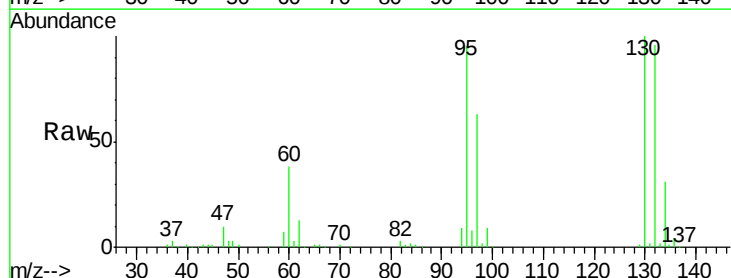
RT: 8.84 min Scan# 2197

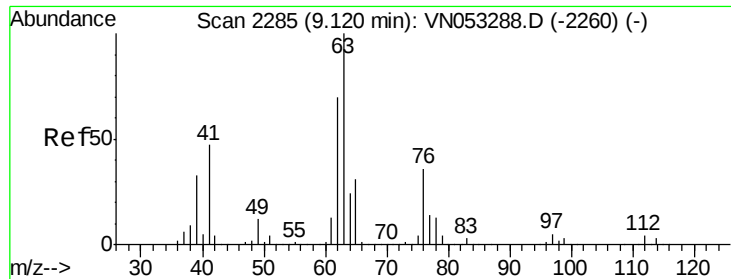
Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Tgt Ion:	130	Resp:	213189
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	191.8





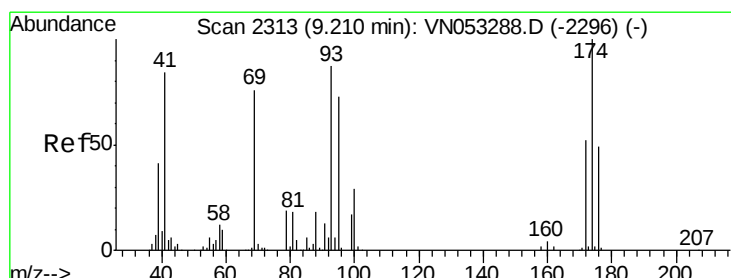
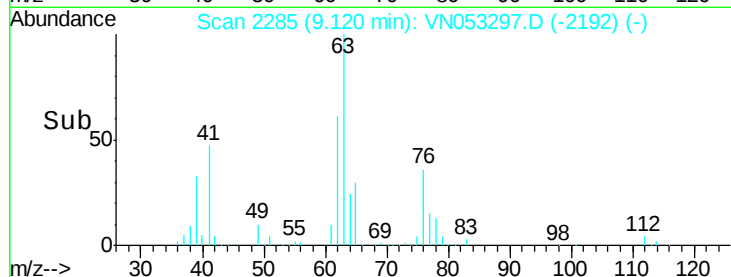
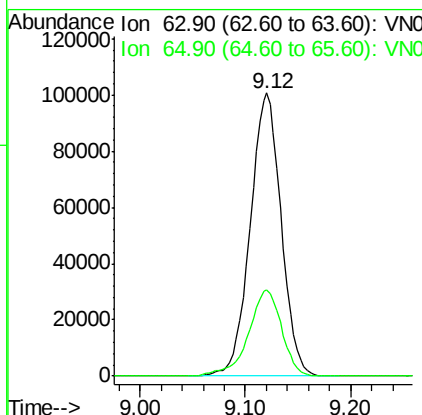
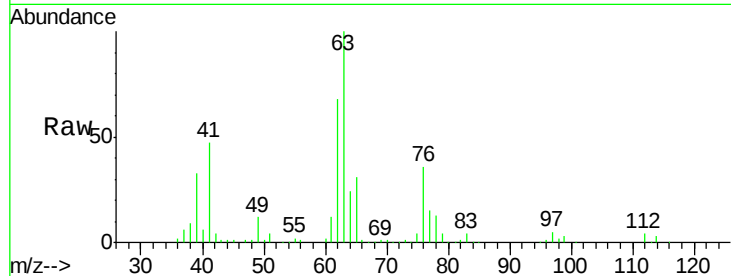
#45
 1,2-Dichloropropane
 Concen: 19.964 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0107WBS01

Tot Ion: 63 Resp: 205803
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.6

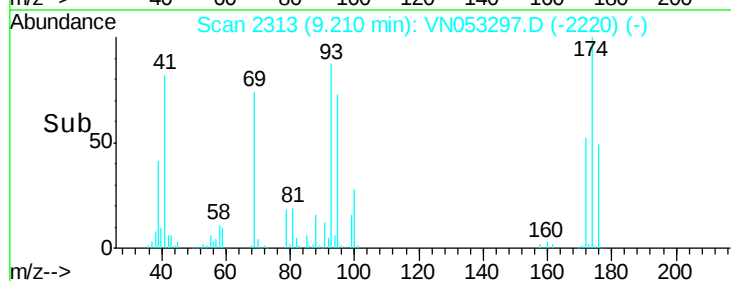
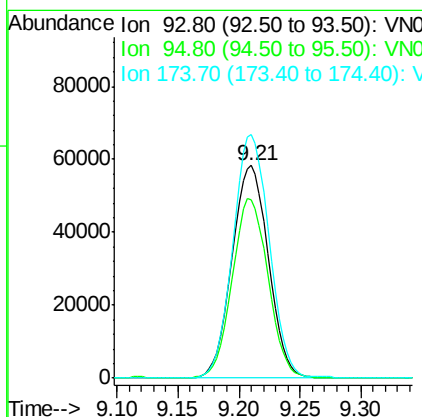
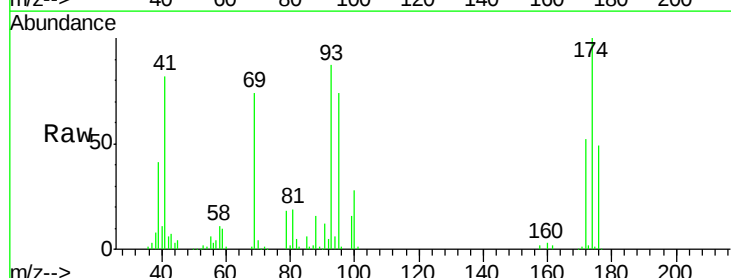
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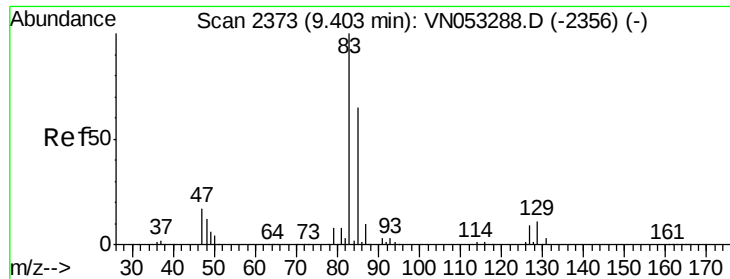
MMDadoda
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#46
 Dibromomethane
 Concen: 20.160 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion: 93 Resp: 121176
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.6 100.0
 174 113.7 91.4 137.0





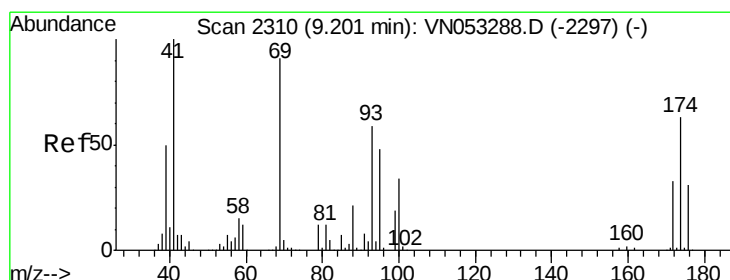
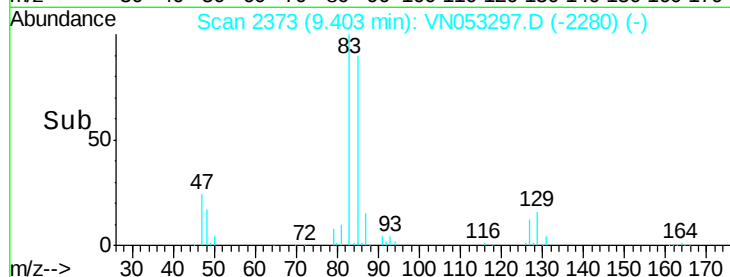
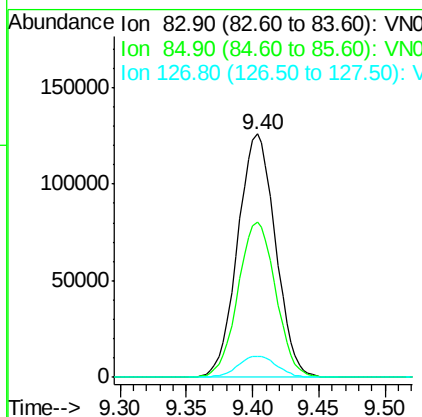
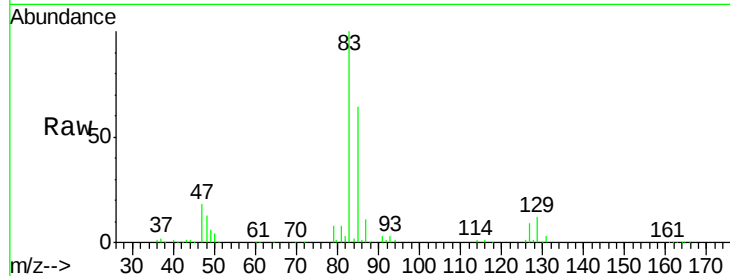
#47
Bromodichloromethane
Concen: 19.903 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN0107WBS01

Tot Ion	83	Resp	249305
Ion Ratio	100		
83	100		
85	63.8	51.7	77.5
127	8.6	7.0	10.6

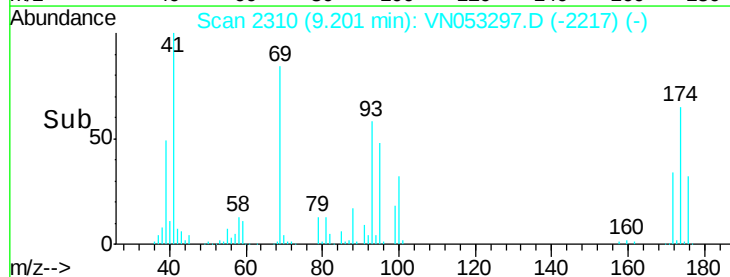
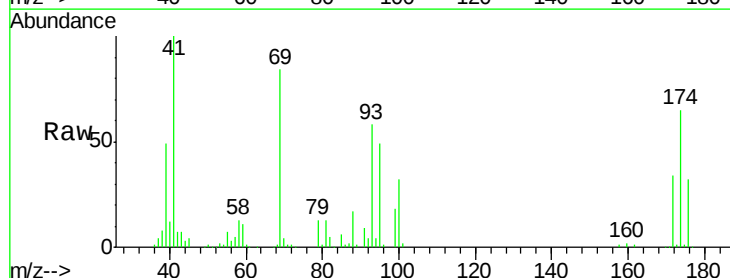
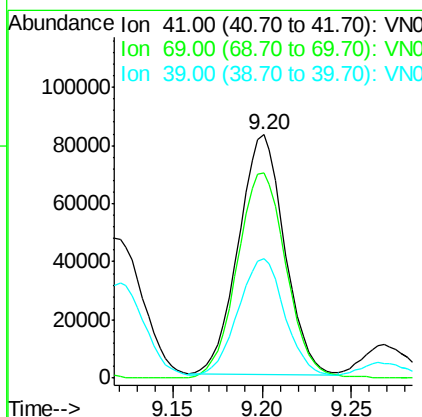
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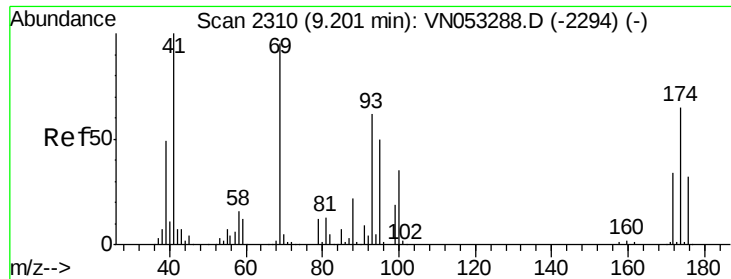
MMDadoda
1/8/2019 9:25:01 AM



#48
Methyl methacrylate
Concen: 19.814 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion	41	Resp	148420
Ion Ratio	100		
41	100		
69	91.5	73.5	110.3
39	51.2	41.6	62.4





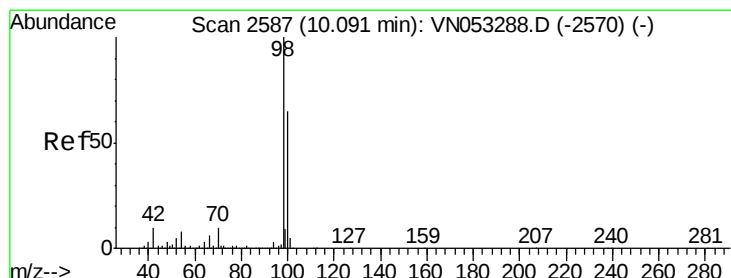
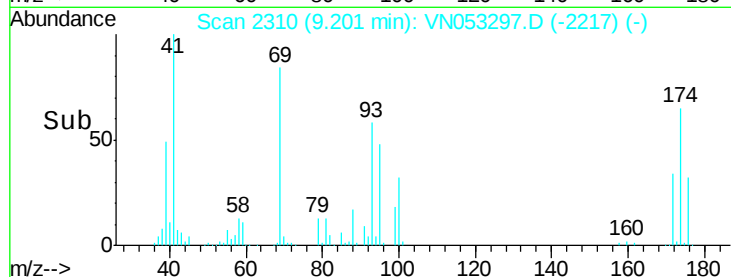
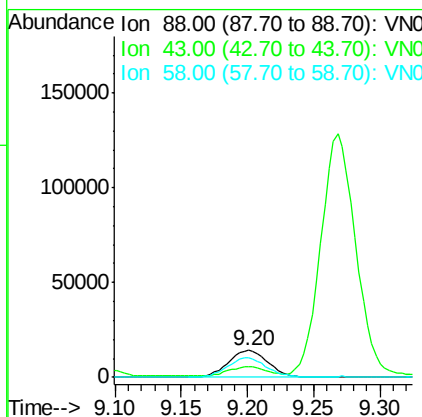
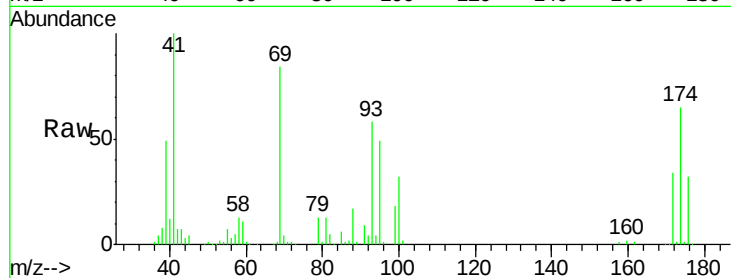
#49
 1,4-Dioxane
 Concen: 374.664 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0107WBS01

Tot Ion	88	Resp	29901
Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.2	39.4
58	72.0	55.5	83.3

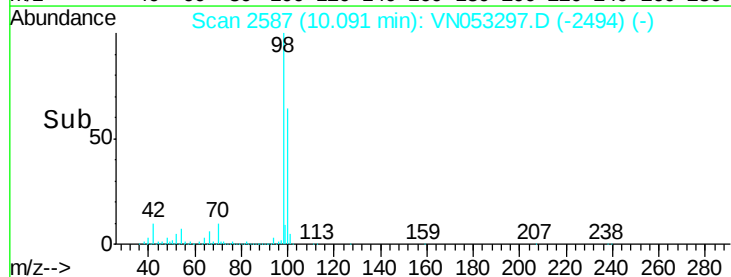
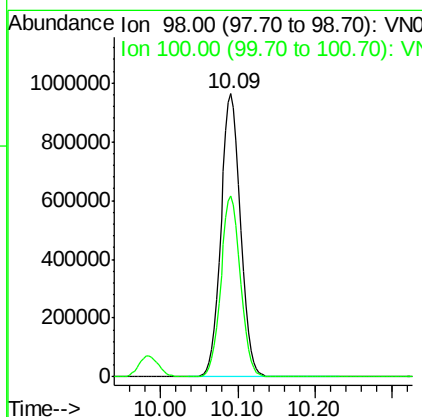
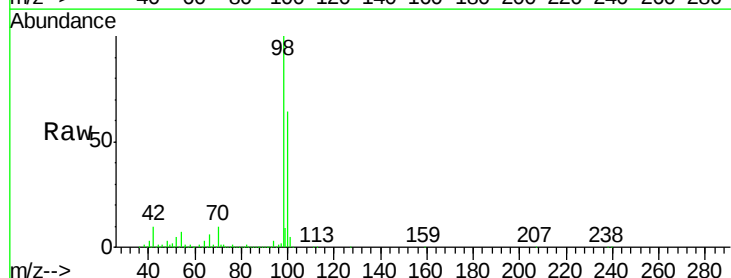
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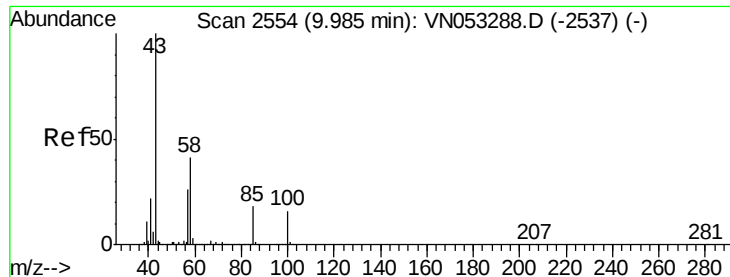
MMDadoda
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#50
 Toluene-d8
 Concen: 374.664 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion	98	Resp	1702566
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.5	77.3





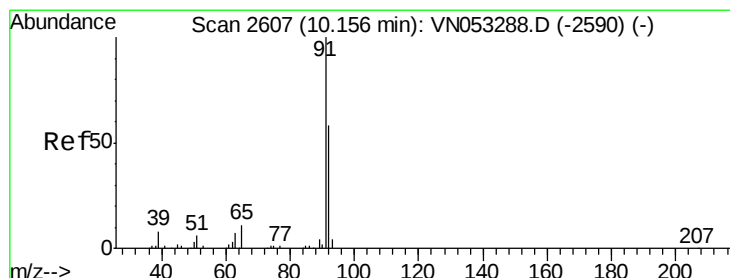
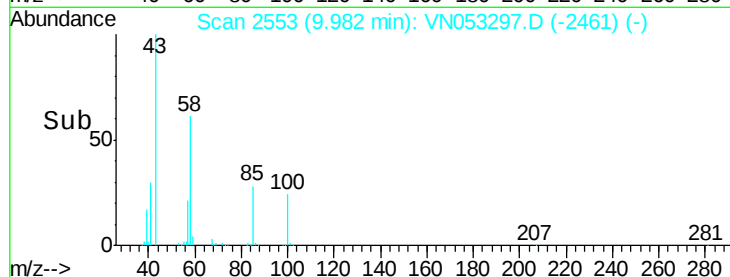
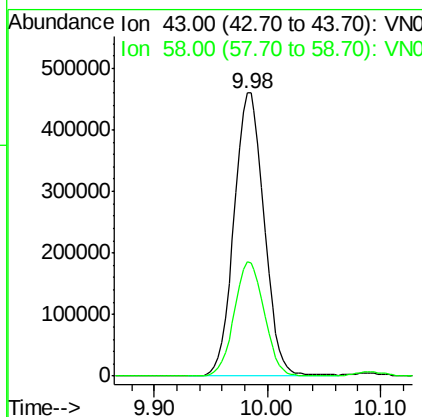
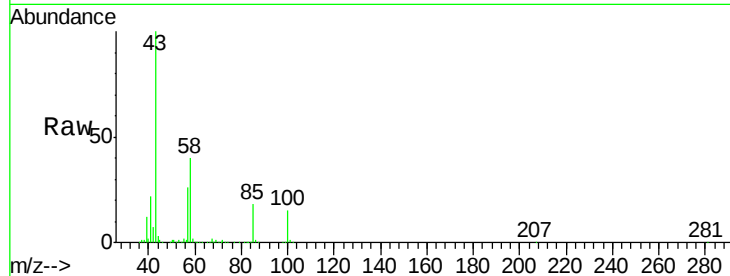
#51
4-Methyl-2-Pentanone
Concen: 102.422 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Instrument :
MSVOA_N
ClientSampled :
VN0107WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.5	32.7	49.1

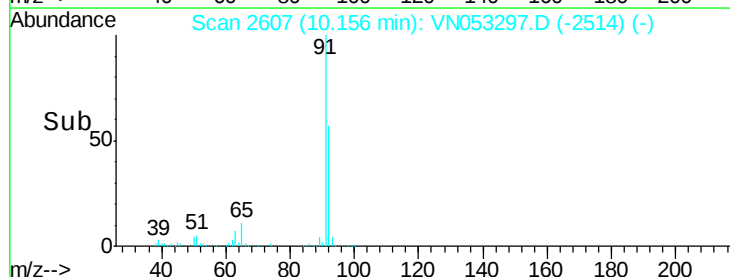
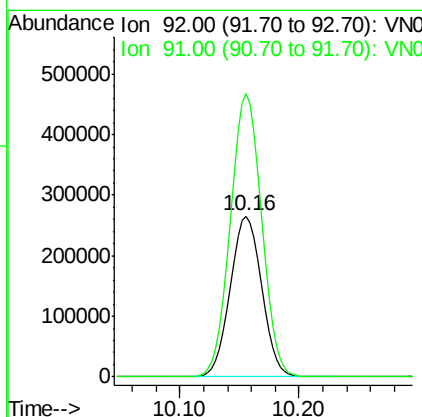
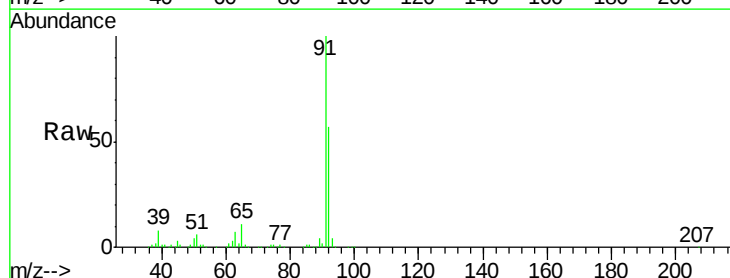
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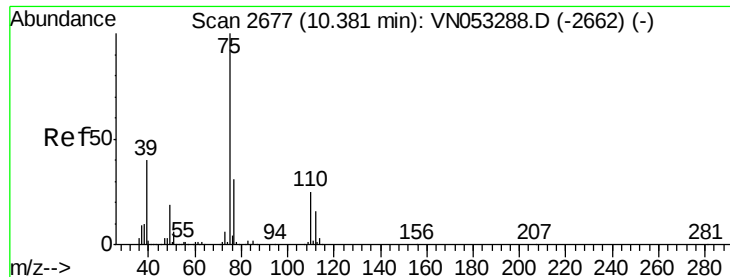
MMDadoda
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#52
Toluene
Concen: 20.136 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.3	138.6	208.0





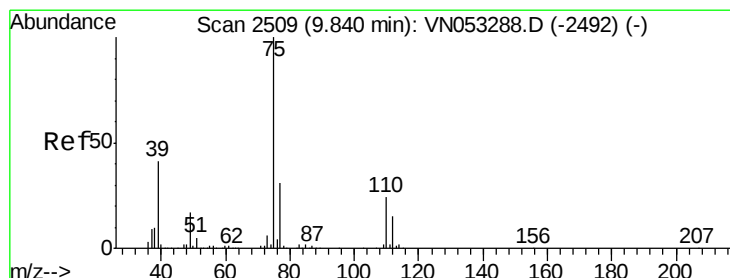
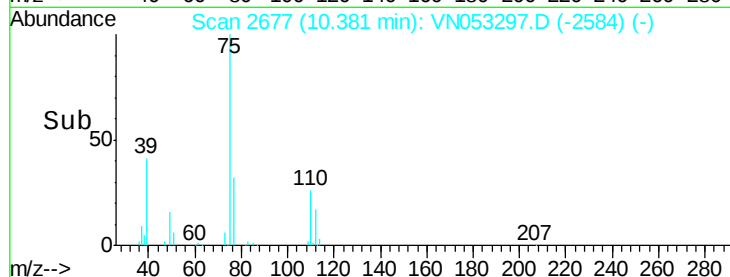
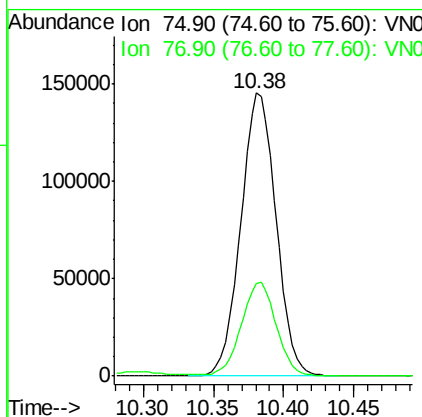
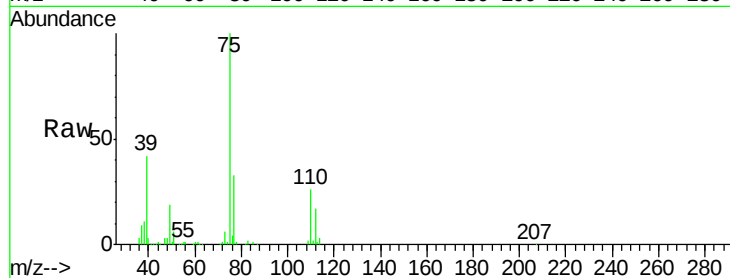
#53
t-1,3-Dichloropropene
Concen: 19.888 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN0107WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.0	37.4

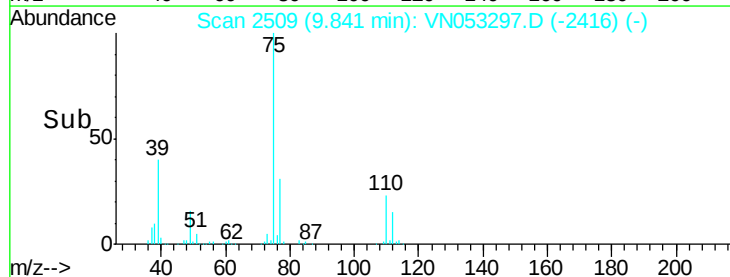
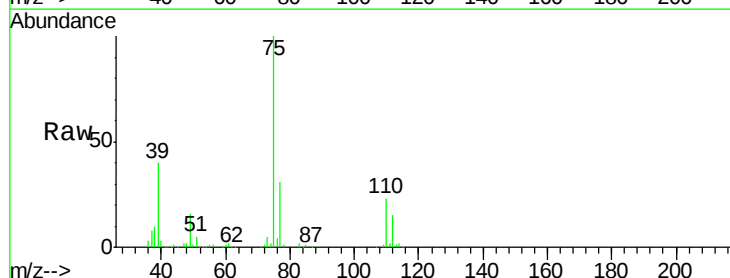
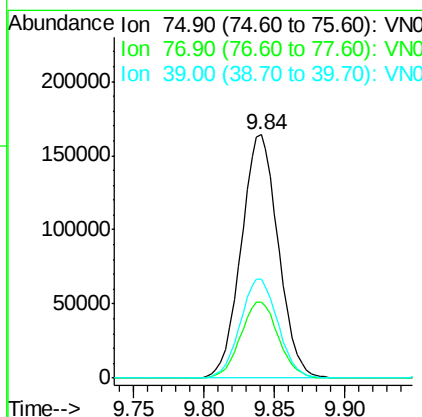
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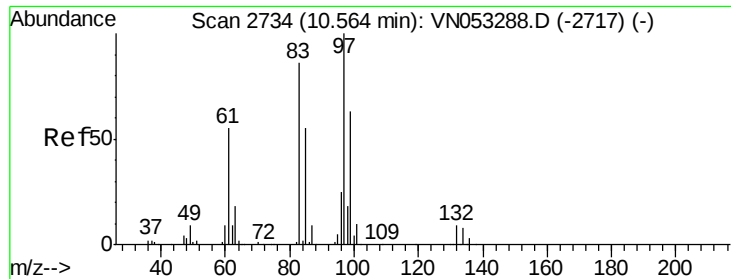
MMDadoda
1/8/2019 9:25:01 AM



#54
cis-1,3-Dichloropropene
Concen: 20.396 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.1	37.7
39	40.5	33.1	49.7





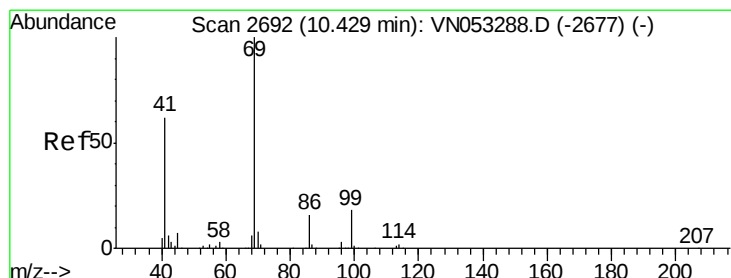
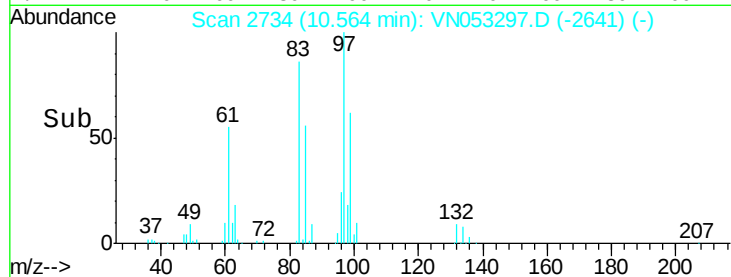
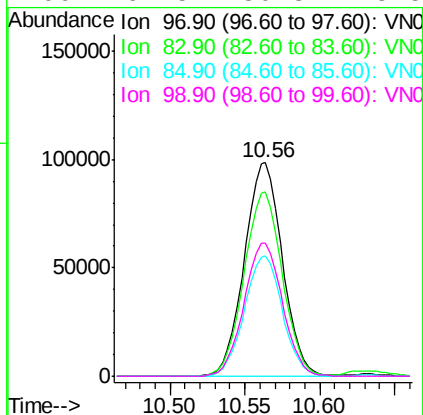
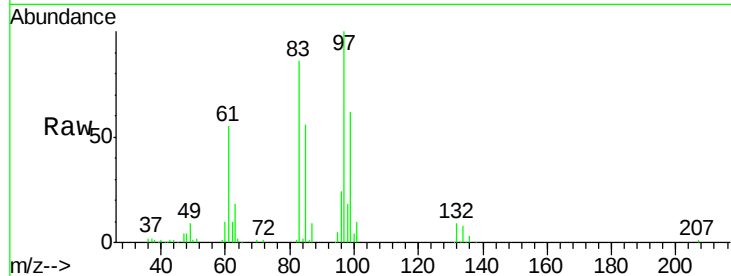
#55
 1,1,2-Trichloroethane
 Concen: 19.671 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0107WBS01

Tot Ion:	97	Resp:	174409
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.1	103.7
85	56.3	44.2	66.4
99	62.5	50.3	75.5

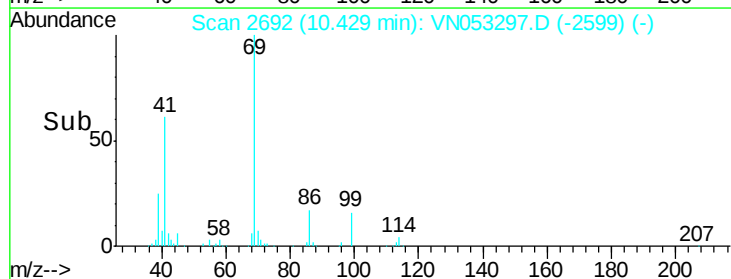
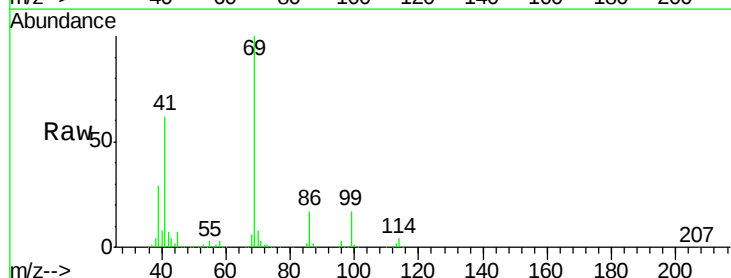
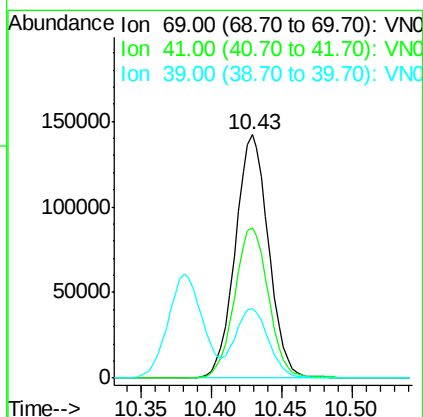
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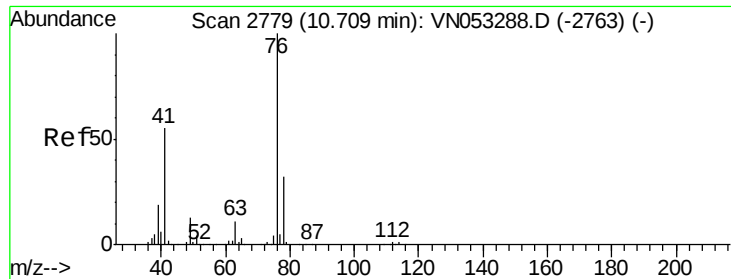
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 1/8/2019 9:25:01 AM



#56
 Ethyl methacrylate
 Concen: 20.425 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion:	69	Resp:	235332
Ion	Ratio	Lower	Upper
69	100		
41	62.5	49.2	73.8
39	28.9	23.4	35.0





#57

1,3-Dichloropropane

Concen: 20.382 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0107WBS01

Tot Ion: 76 Resp: 302205

Ion Ratio Lower Upper

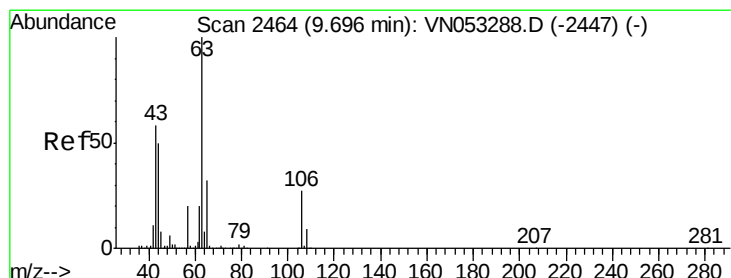
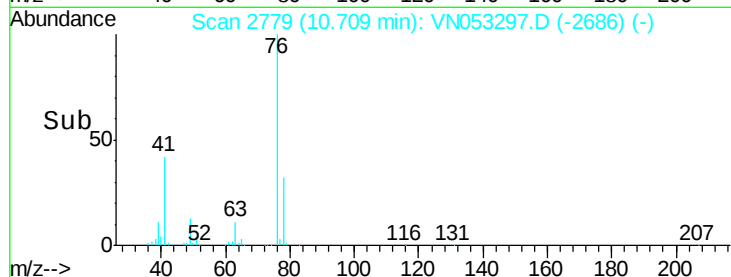
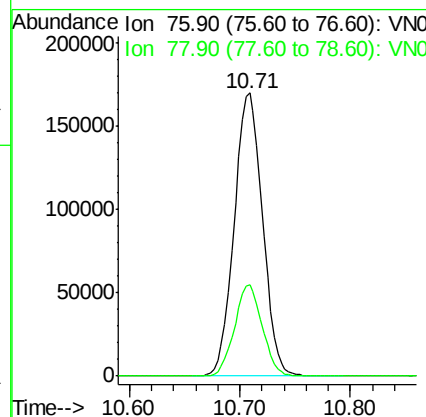
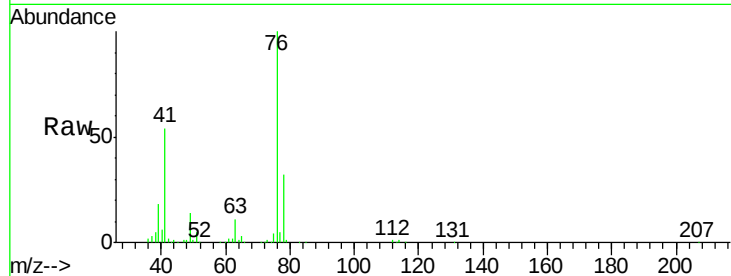
76 100

78 31.6 25.8 38.8

Manual Integrations
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1/8/2019 9:25:01 AM



#58

2-Chloroethyl Vinyl ether

Concen: 99.520 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053297.D

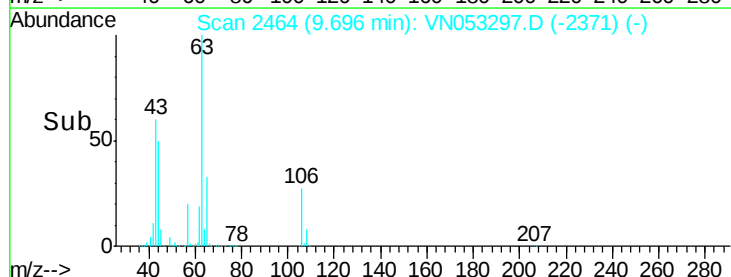
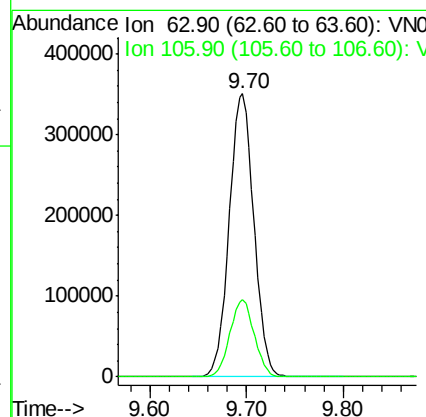
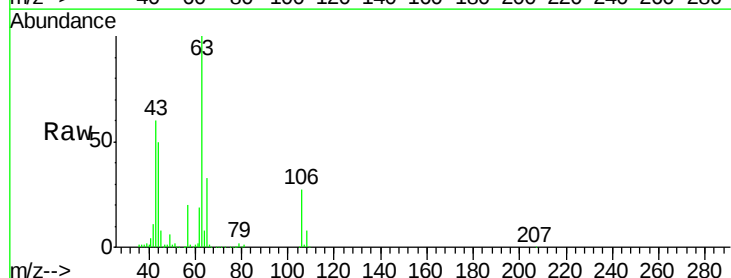
Acq: 7 Jan 2019 11:54

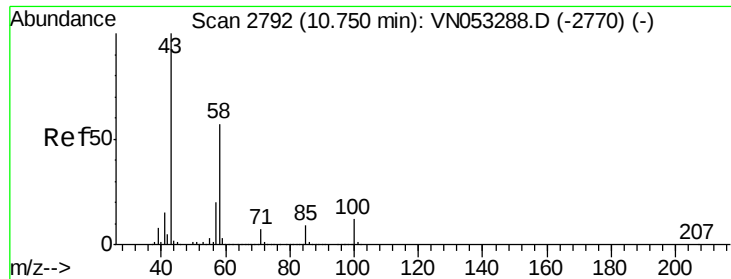
Tgt Ion: 63 Resp: 619910

Ion Ratio Lower Upper

63 100

106 27.0 21.7 32.5





#59

2-Hexanone

Concen: 102.847 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0107WBS01

Tot Ion: 43 Resp: 584274

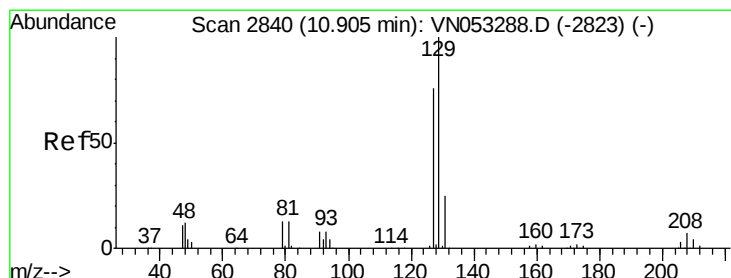
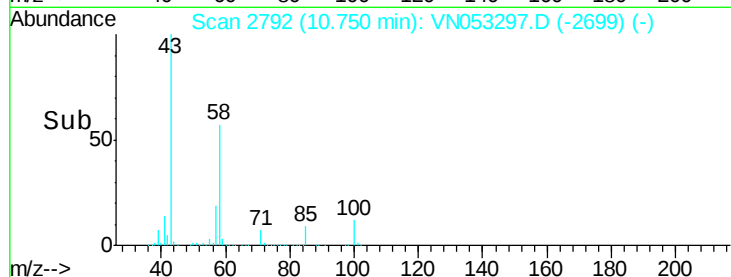
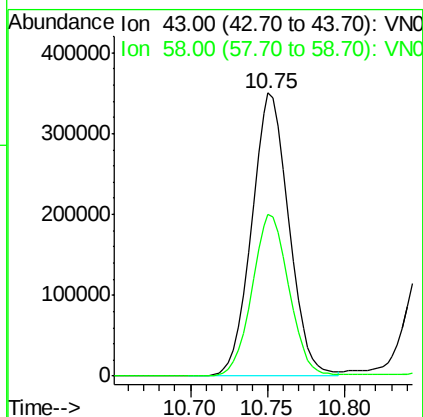
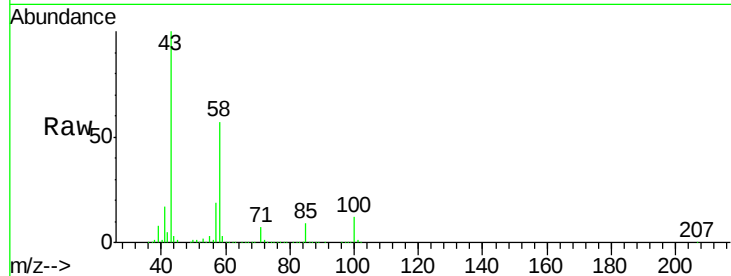
Ion Ratio Lower Upper

43 100

58 56.8 28.3 85.0

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#60

Dibromochloromethane

Concen: 20.205 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN053297.D

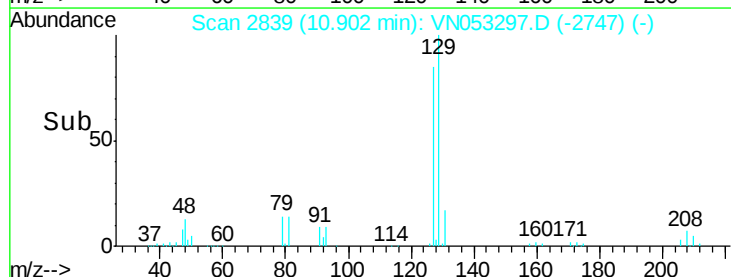
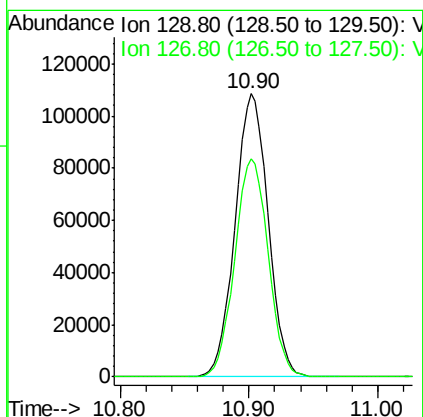
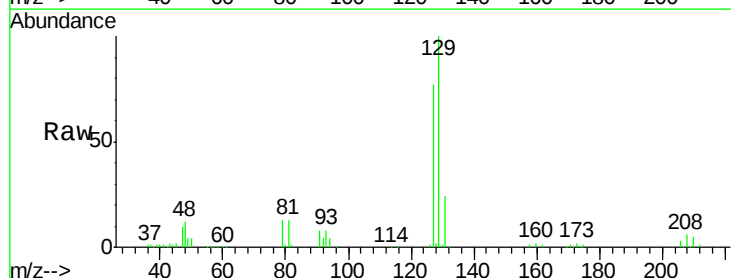
Acq: 7 Jan 2019 11:54

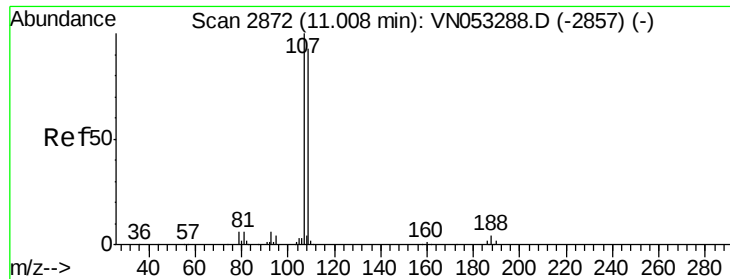
Tgt Ion: 129 Resp: 193226

Ion Ratio Lower Upper

129 100

127 78.0 38.4 115.2





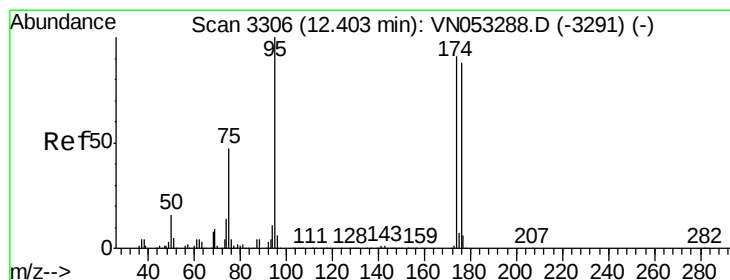
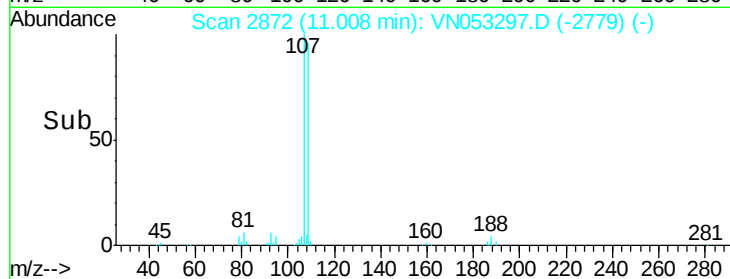
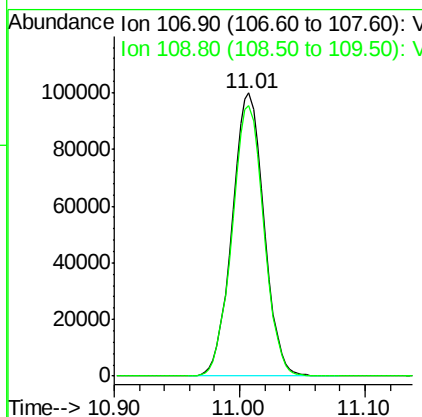
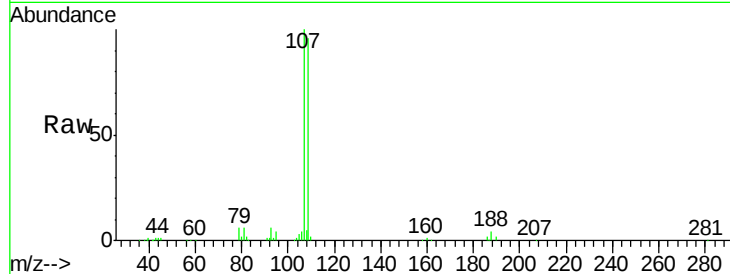
#61
 1,2-Dibromoethane
 Concen: 20.111 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0107WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.0	112.6

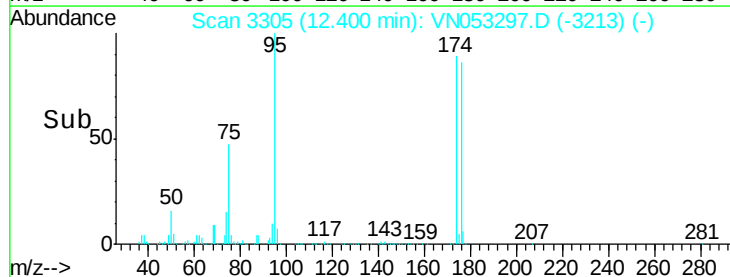
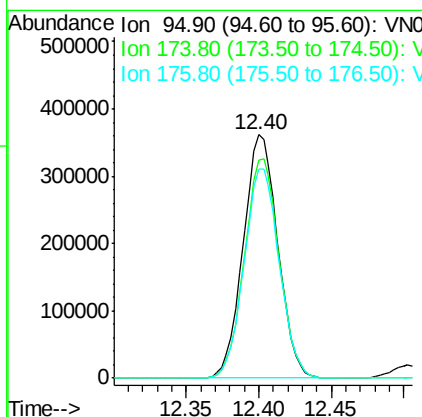
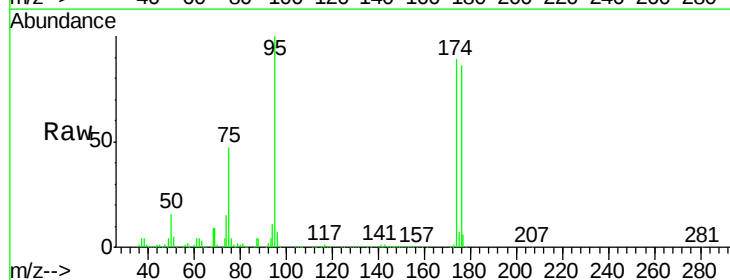
Manual Integrations
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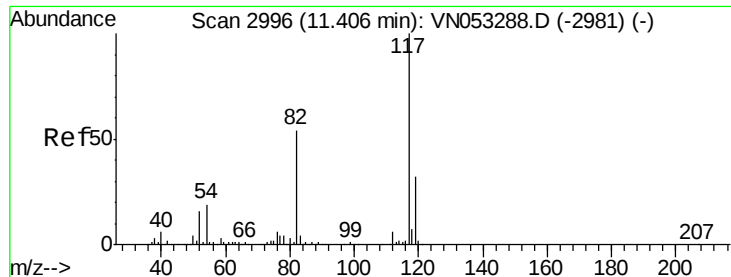
MMDadoda
 1/8/2019 9:25:01 AM



#62
 4-Bromofluorobenzene
 Concen: 20.111 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	180.4
176	87.3	0.0	175.6





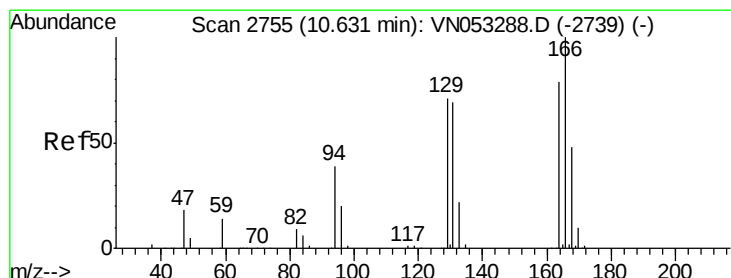
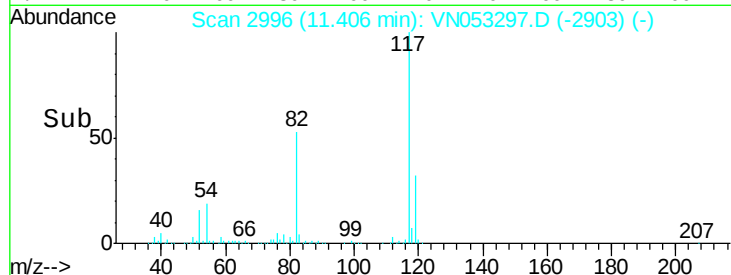
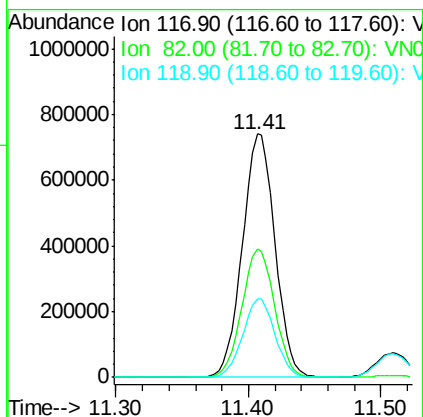
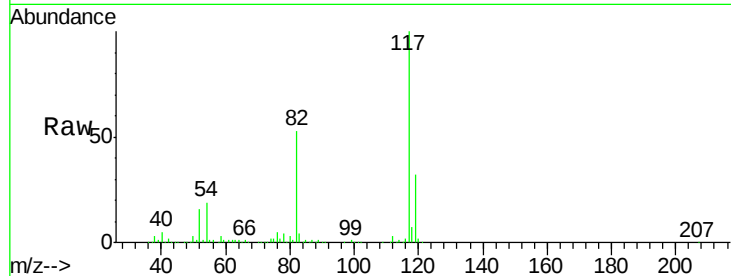
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN0107WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.9	64.3
119	32.2	25.6	38.4

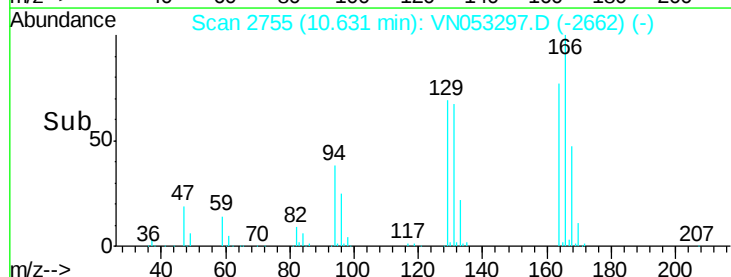
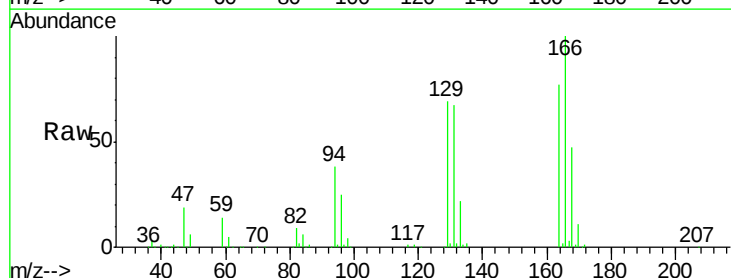
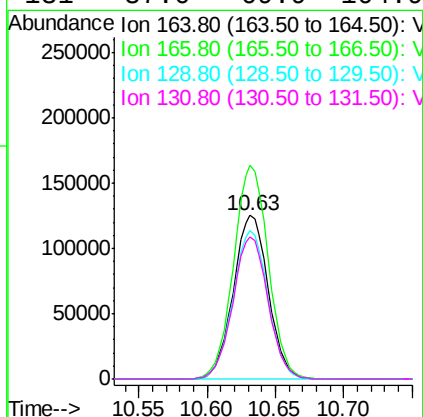
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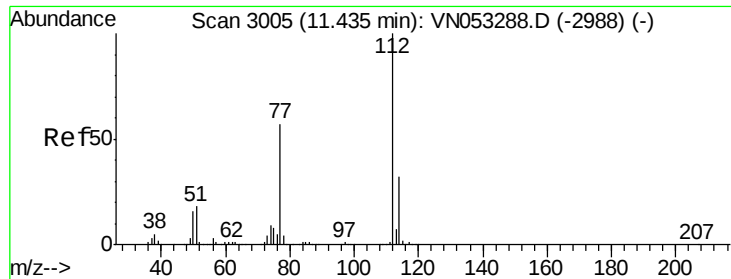
MMDadoda
1/8/2019 9:25:01 AM



#64
Tetrachloroethene
Concen: 18.684 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	101.7	152.5
129	90.4	72.1	108.1
131	87.0	69.9	104.9





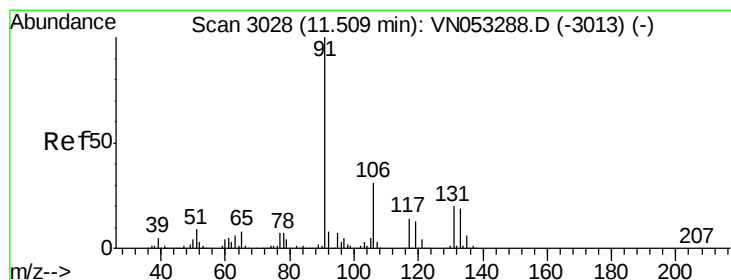
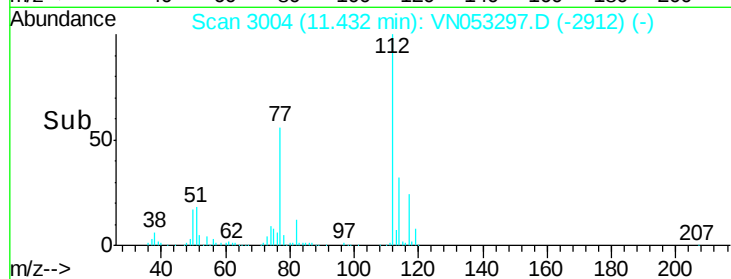
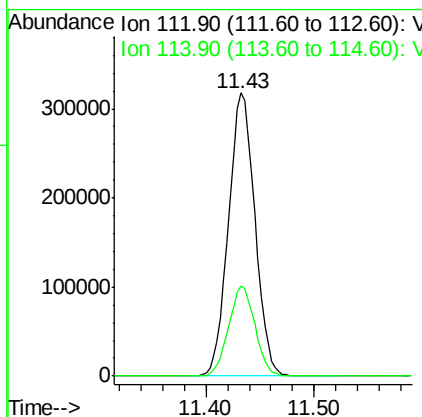
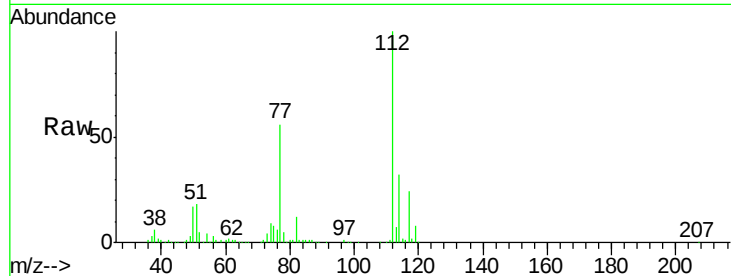
#65
Chlorobenzene
Concen: 19.856 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN0107WBS01

Tot Ion:112 Resp: 544844
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4

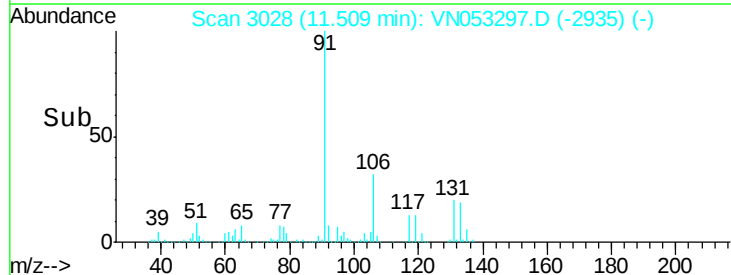
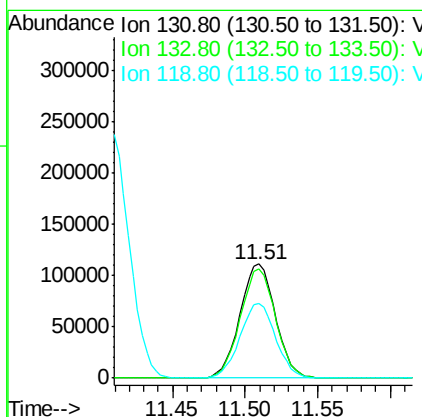
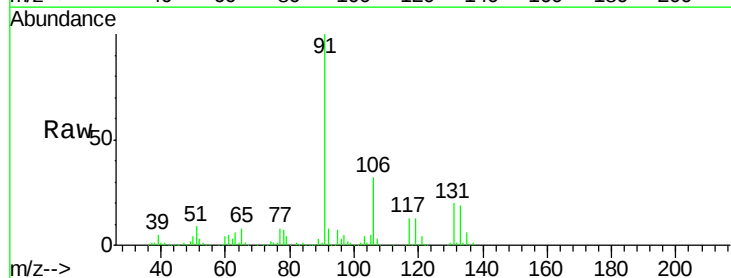
Manual Integrations
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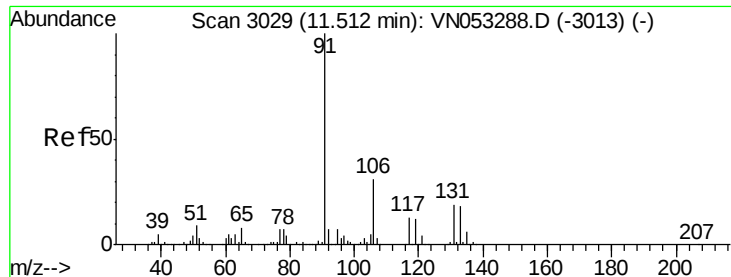
MMDadoda
1/8/2019 9:25:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.742 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion:131 Resp: 189610
Ion Ratio Lower Upper
131 100
133 95.2 48.0 144.0
119 65.9 33.3 99.9





#67

Ethyl Benzene

Concen: 19.900 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

VN0107WBS01

Tot Ion: 91 Resp: 927864

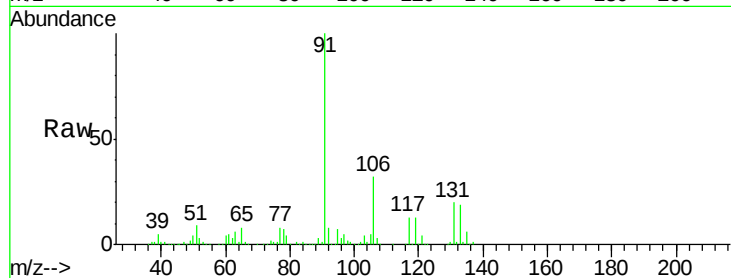
Ion Ratio Lower Upper

91 100

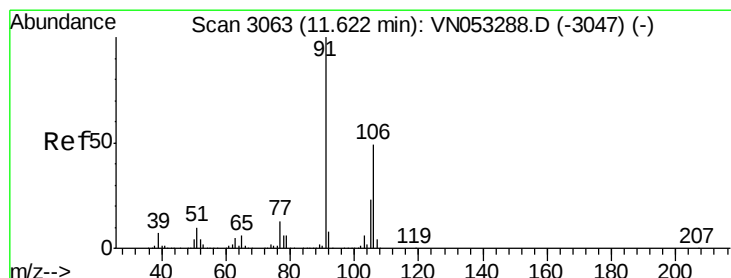
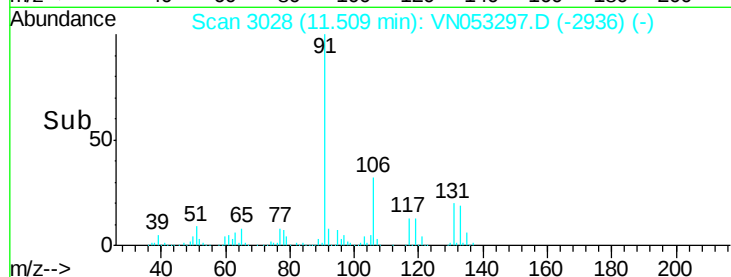
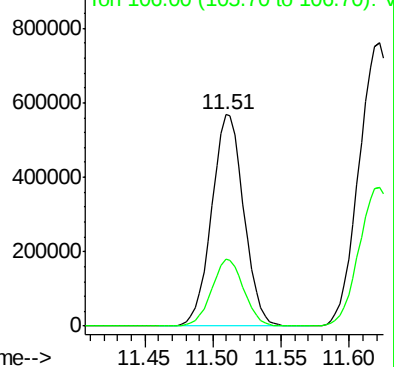
106 31.6 25.0 37.4

Manual Integrations
APPROVED

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



#68

m/p-Xylenes

Concen: 40.570 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053297.D

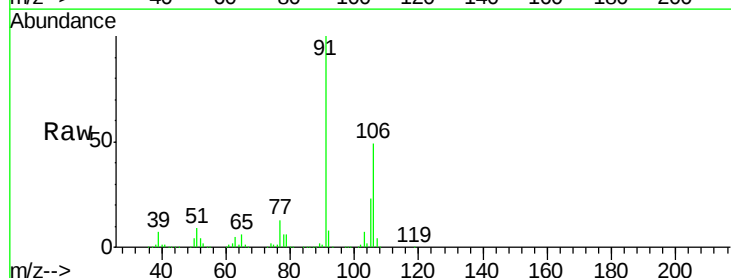
Acq: 7 Jan 2019 11:54

Tgt Ion: 106 Resp: 711324

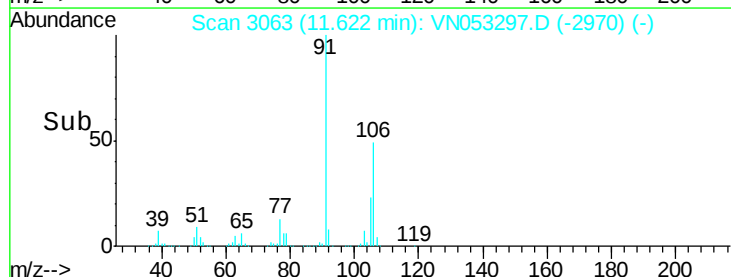
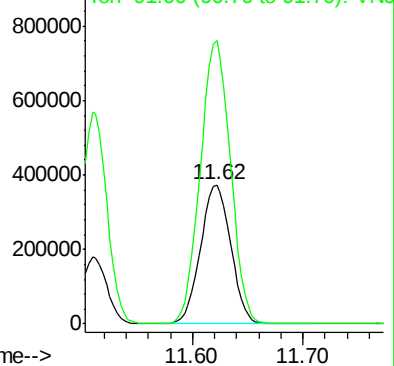
Ion Ratio Lower Upper

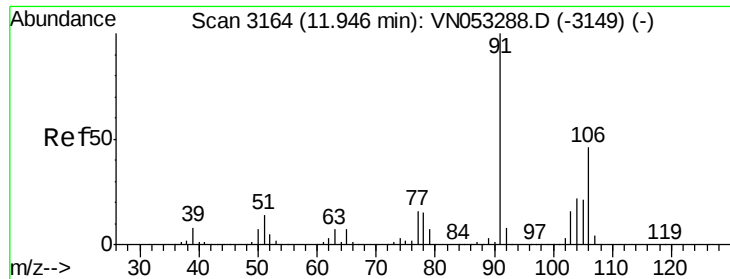
106 100

91 203.1 161.4 242.2



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





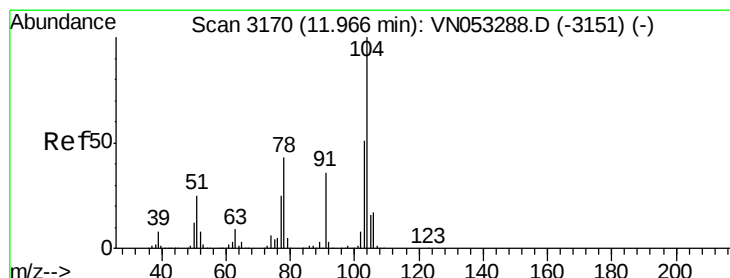
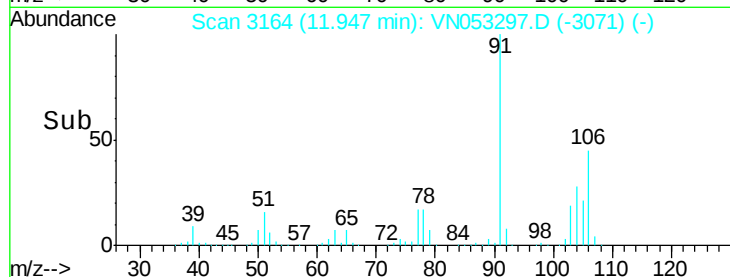
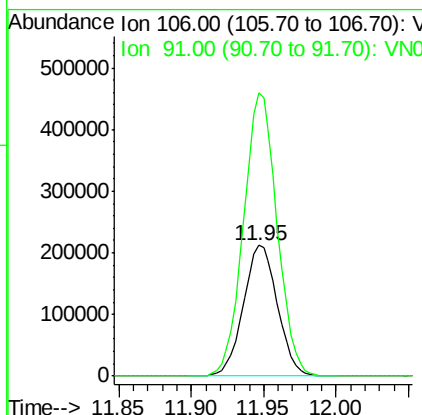
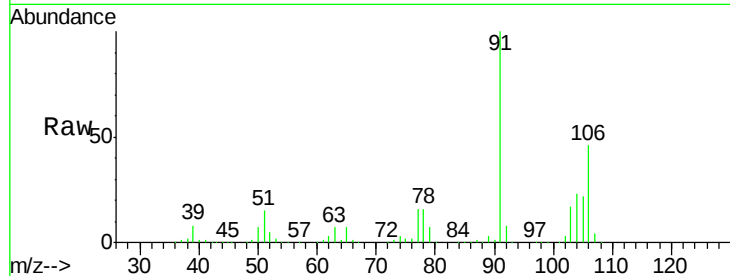
#69
o-Xylene
Concen: 20.157 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Instrument :
MSVOA_N
ClientSampled :
VN0107WBS01

Tot Ion:106 Resp: 345998
Ion Ratio Lower Upper
106 100
91 213.7 106.8 320.4

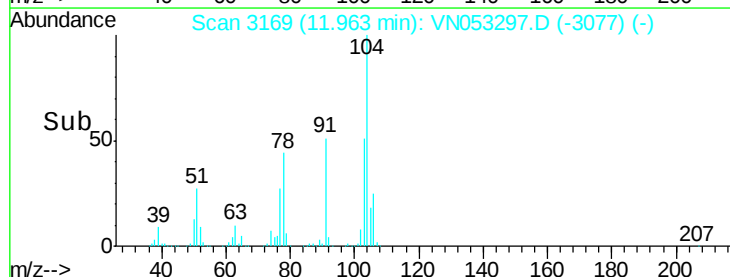
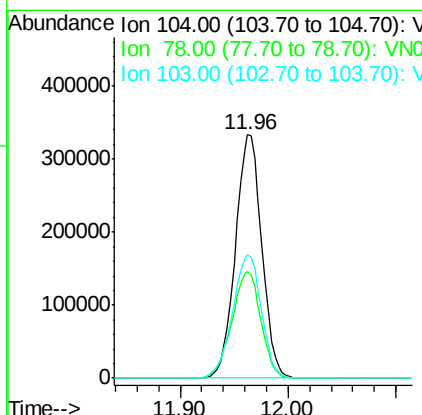
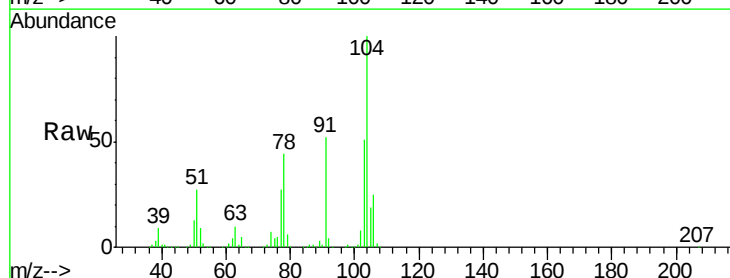
Manual Integrations
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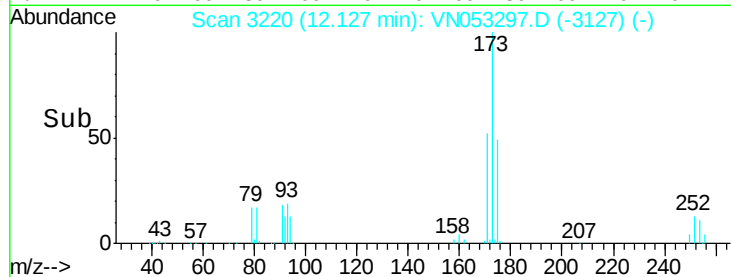
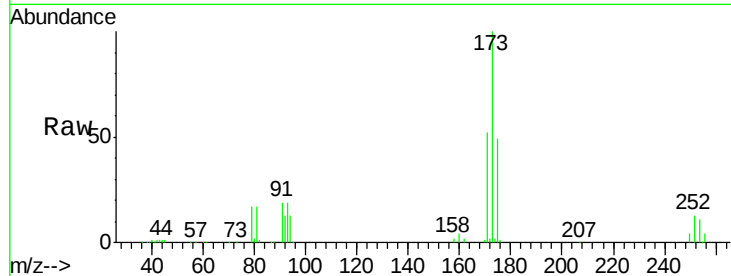
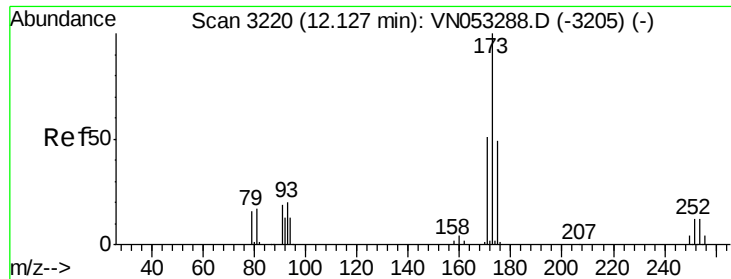
MMDadoda
1/8/2019 9:25:01 AM



#70
Styrene
Concen: 20.302 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion:104 Resp: 567166
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 55.3 44.5 66.7





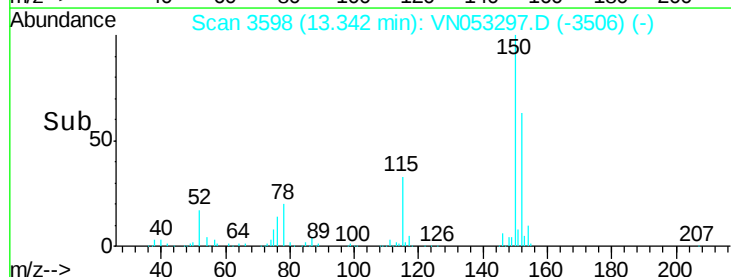
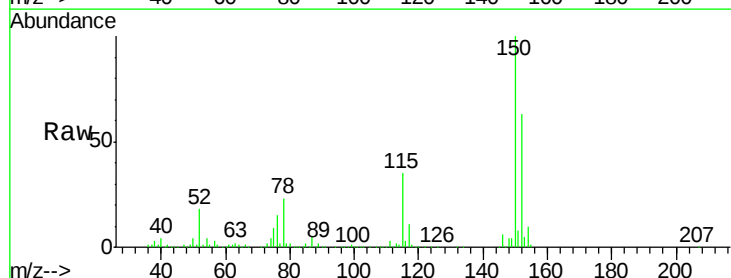
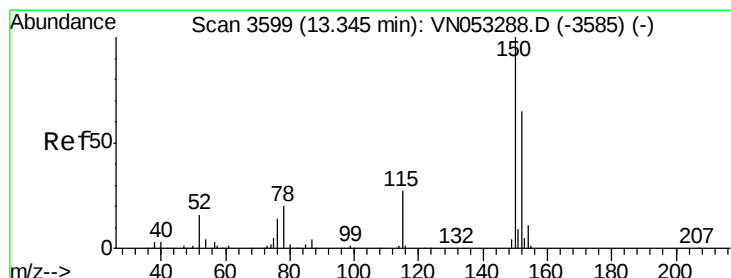
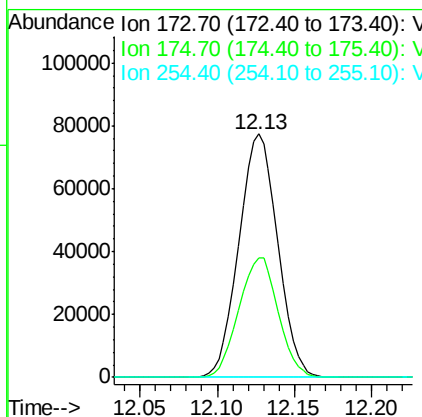
#71
Bromoform
Concen: 19.915 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.3	72.8
254	0.2	0.2	0.2

Instrument :
MSVOA_N
ClientSampled :
VN0107WBS01

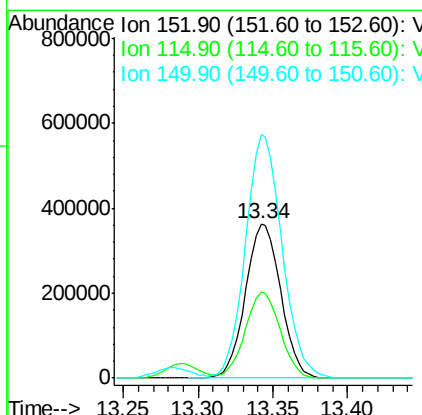
Manual Integrations
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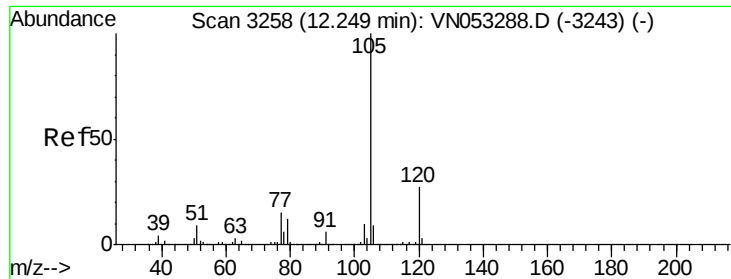
MMDadoda
1/8/2019 9:25:01 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	28.0	84.0
150	163.9	0.0	346.6





#73

Isopropylbenzene

Concen: 20.641 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

VN0107WBS01

Tot Ion:105 Resp: 915917

Ion Ratio Lower Upper

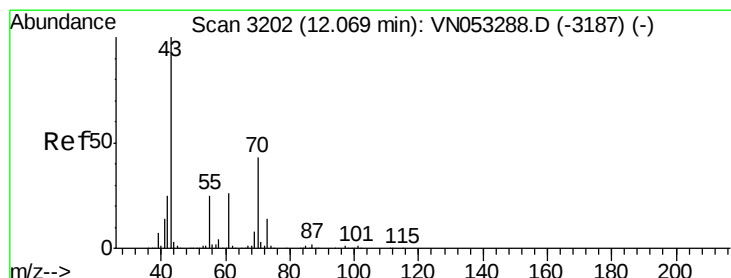
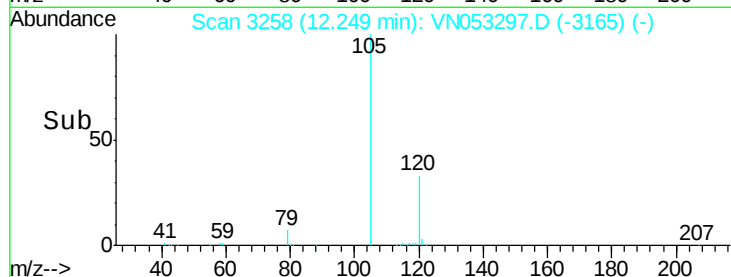
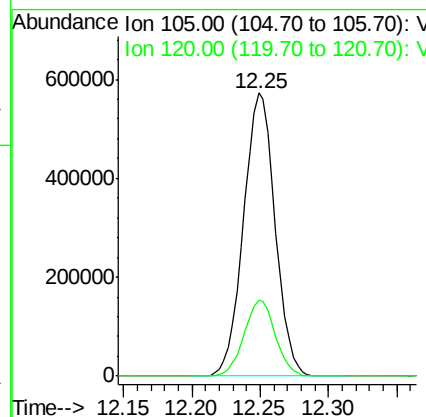
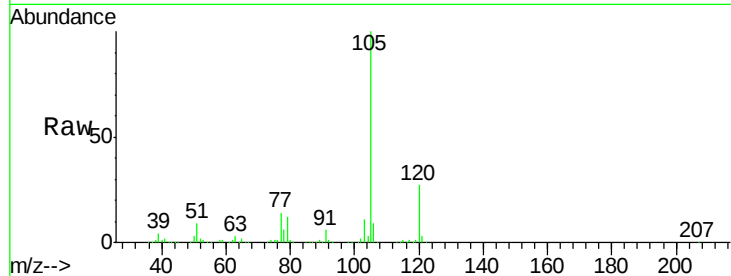
105 100

120 26.6 13.4 40.2

Manual Integrations
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MMDadoda

1/8/2019 9:25:01 AM



#74

N-ethyl acetate

Concen: 20.778 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Tgt Ion: 43 Resp: 275315

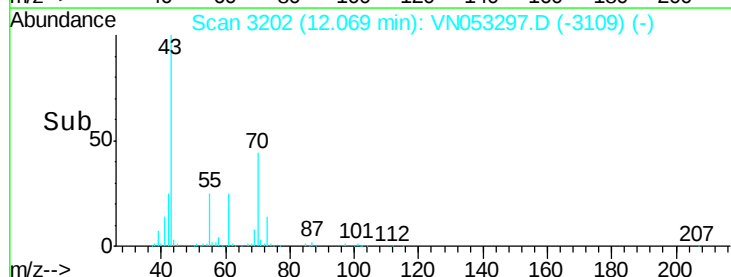
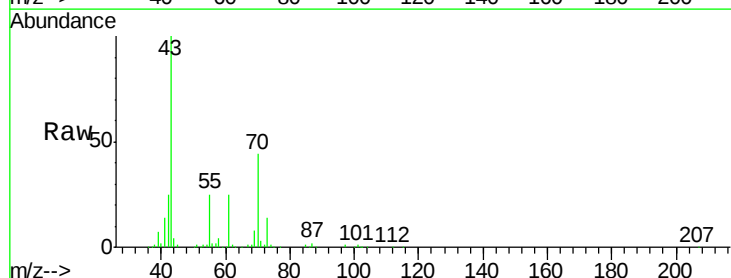
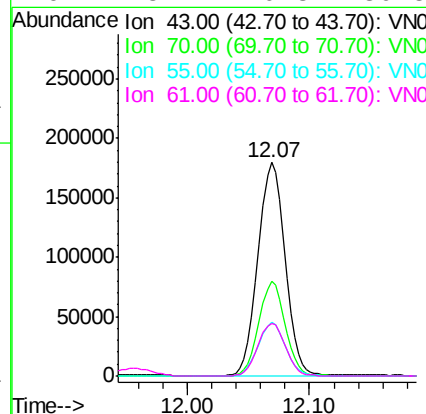
Ion Ratio Lower Upper

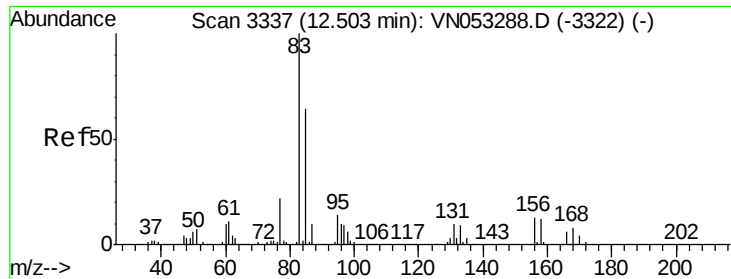
43 100

70 43.2 35.0 52.6

55 25.5 20.0 30.0

61 25.2 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.276 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

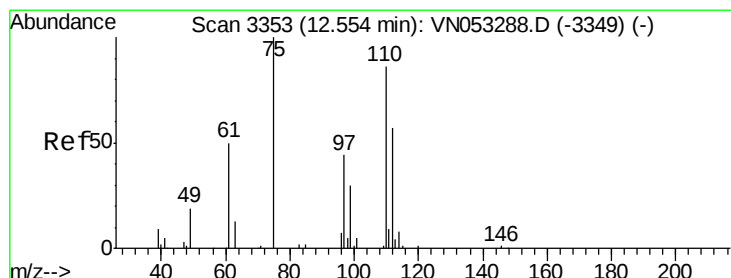
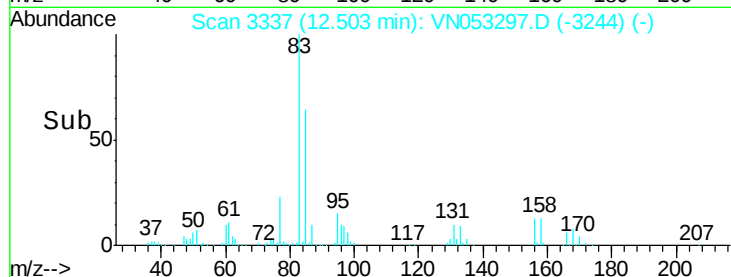
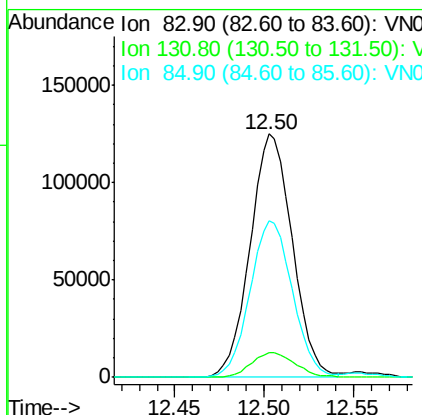
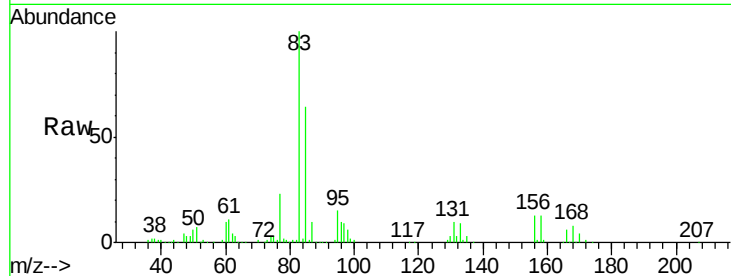
ClientSampled :

VN0107WBS01

Tot Ion:	83	Resp:	206969
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.9
85	64.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.997 ug/l m

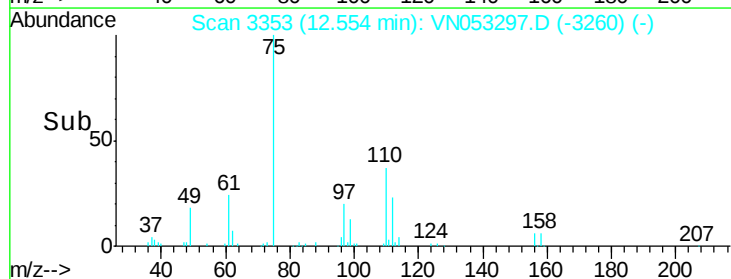
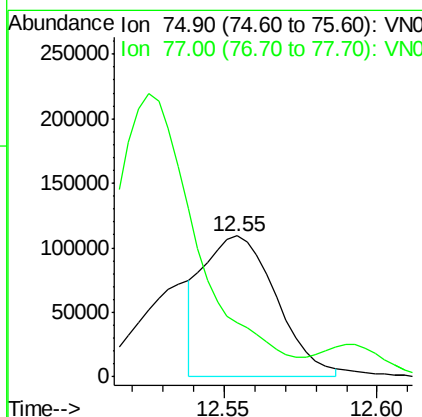
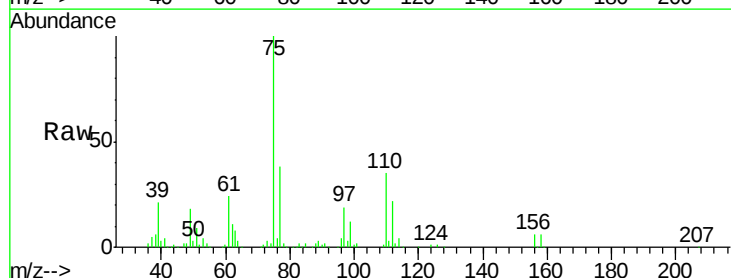
RT: 12.55 min Scan# 3353

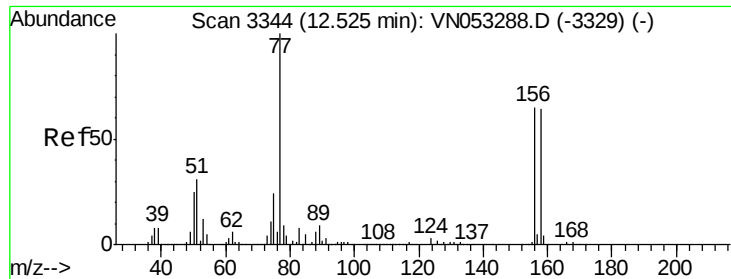
Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Tgt Ion:	75	Resp:	182528
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.268 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

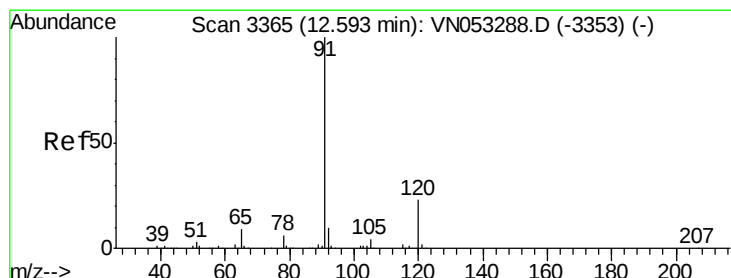
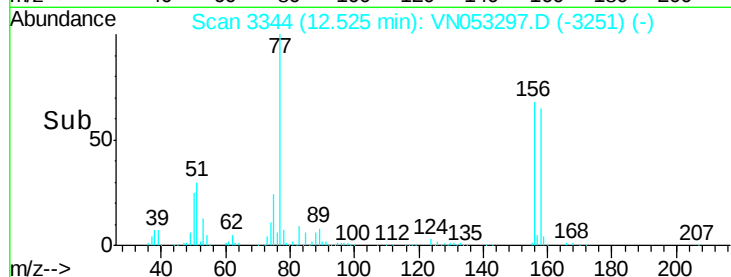
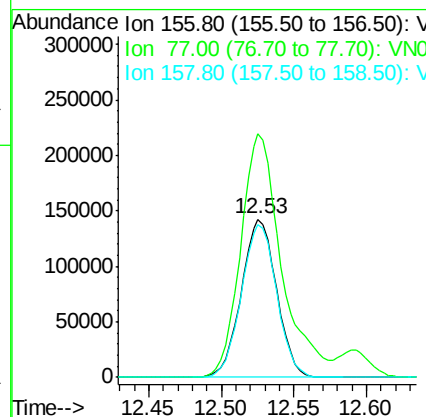
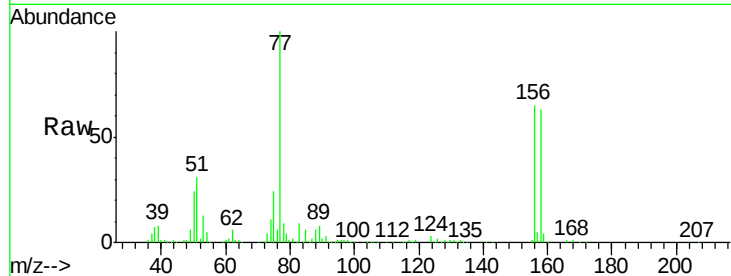
ClientSampleId :

VN0107WBS01

Tot Ion:	156	Resp:	240030
Ion Ratio	Lower	Upper	
156	100		
77	178.2	89.3	268.1
158	97.2	48.9	146.8

Manual Integrations
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1/8/2019 9:25:01 AM



#78

n-propylbenzene

Concen: 20.600 ug/l

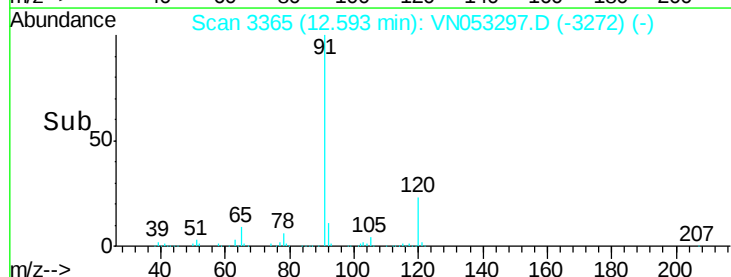
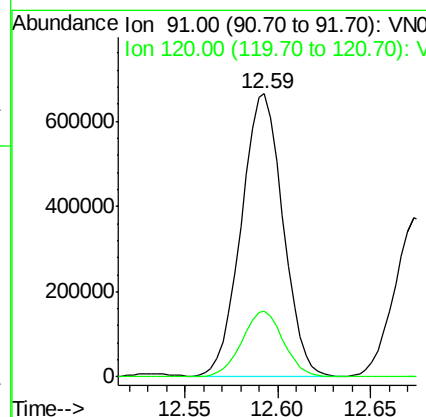
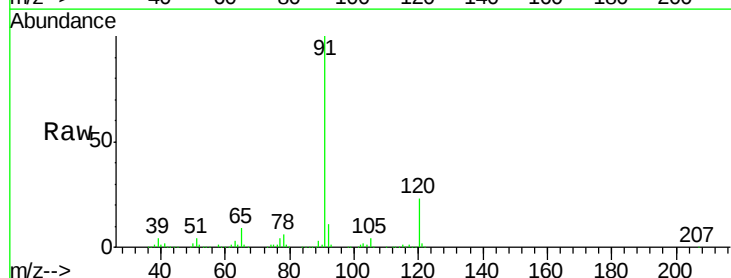
RT: 12.59 min Scan# 3365

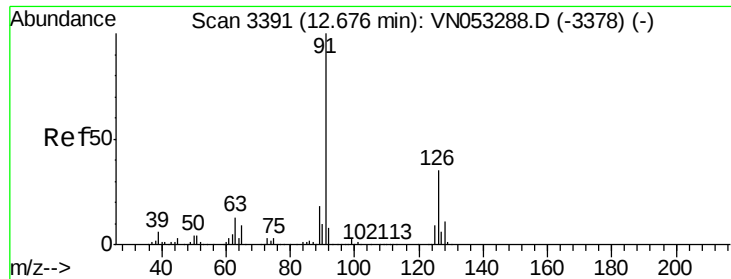
Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Tgt Ion:	91	Resp:	1033982
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.308 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

VN0107WBS01

Tot Ion: 91 Resp: 616773

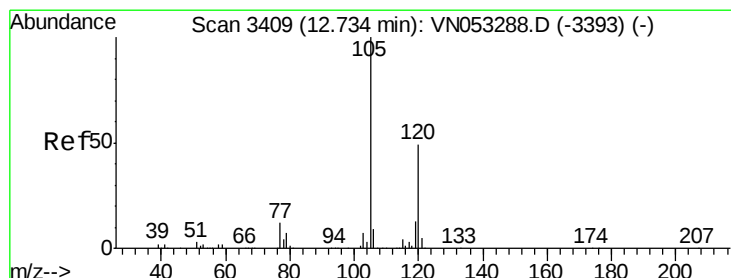
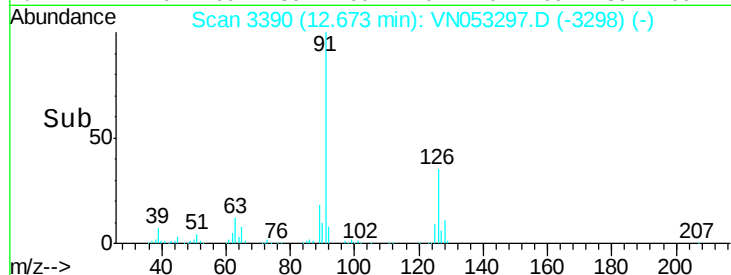
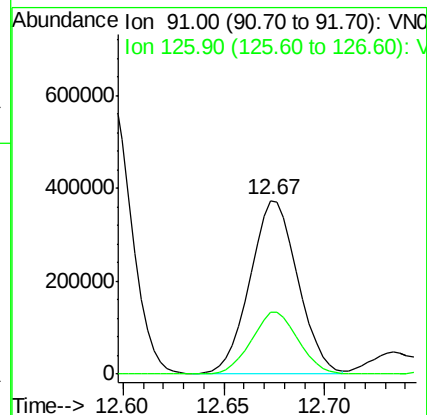
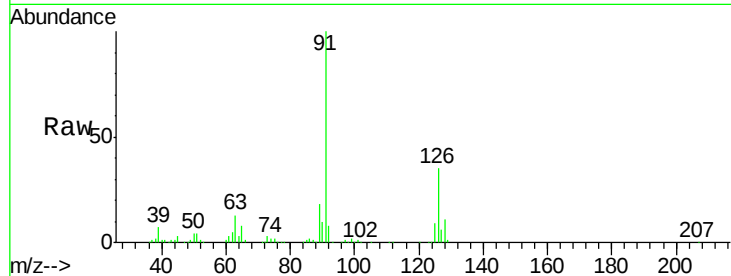
Ion Ratio Lower Upper

91 100

126 35.5 17.5 52.5

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 20.712 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053297.D

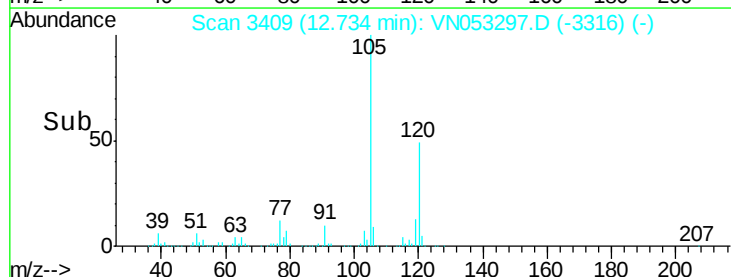
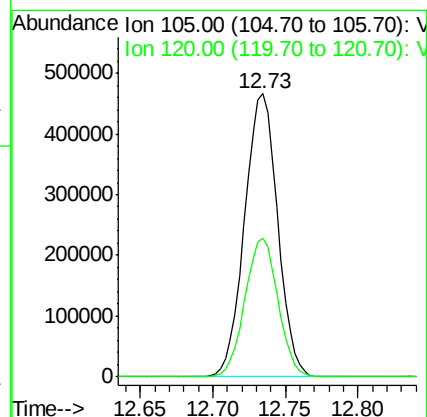
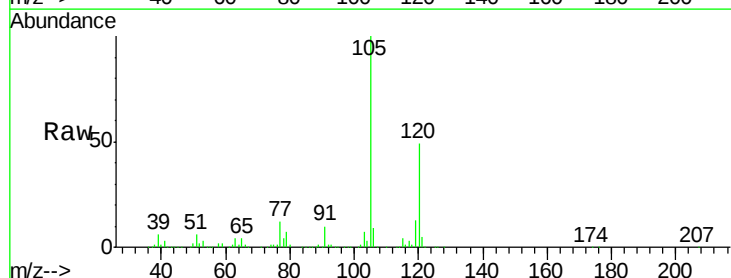
Acq: 7 Jan 2019 11:54

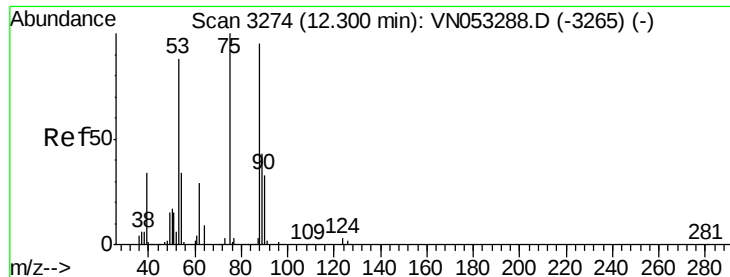
Tgt Ion: 105 Resp: 740318

Ion Ratio Lower Upper

105 100

120 48.9 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 21.079 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0107WBS01

Tot Ion: 75 Resp: 62279

Ion Ratio Lower Upper

75 100

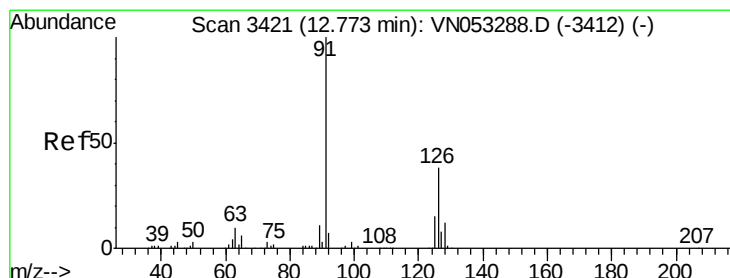
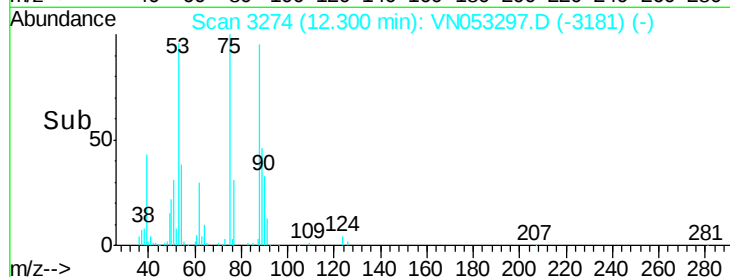
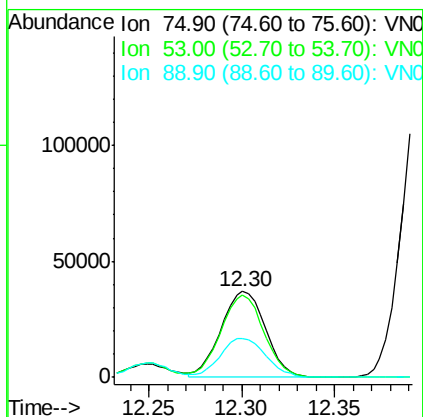
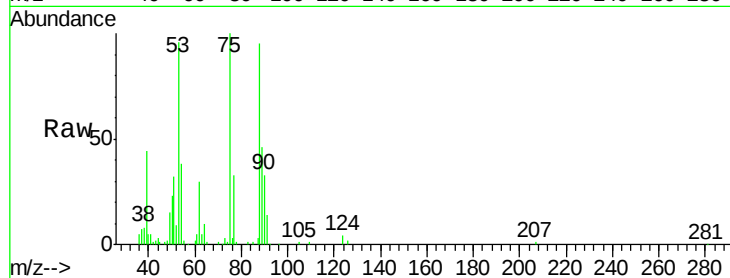
53 92.4 70.5 105.7

89 46.2 35.4 53.0

Manual Integrations
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1/8/2019 9:25:01 AM



#82

4-Chlorotoluene

Concen: 20.069 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053297.D

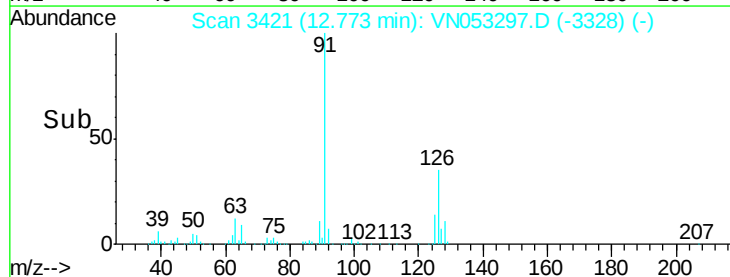
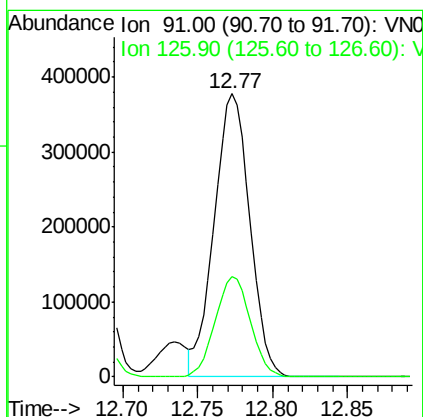
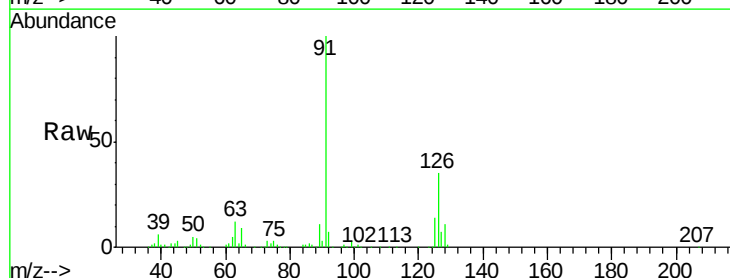
Acq: 7 Jan 2019 11:54

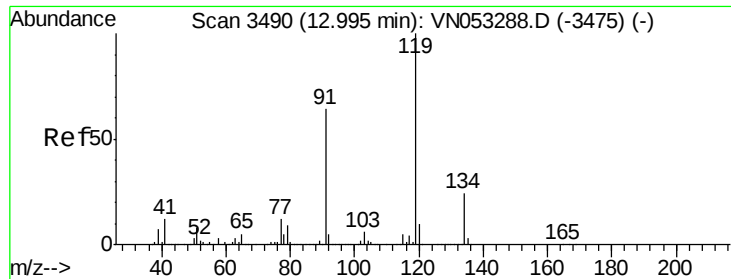
Tgt Ion: 91 Resp: 624991

Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.2





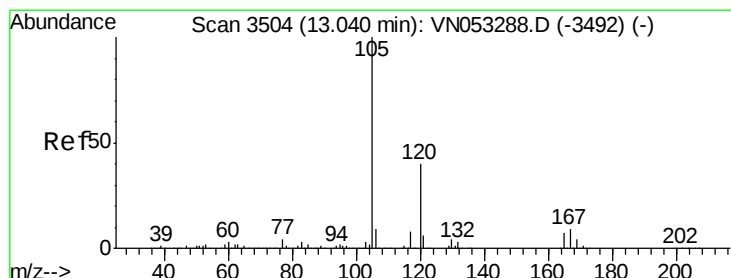
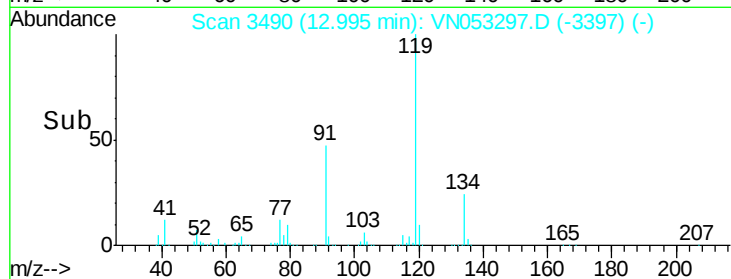
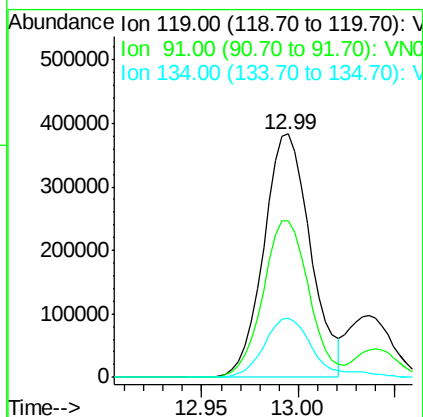
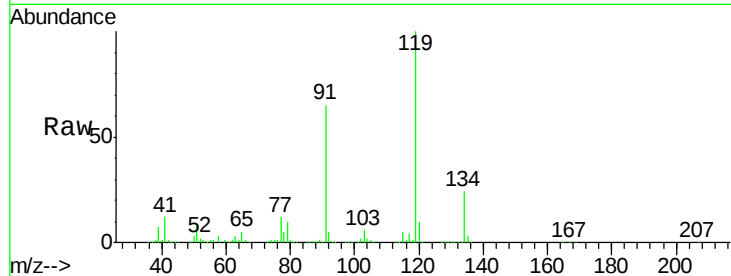
#83
 tert-Butylbenzene
 Concen: 20.480 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0107WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	31.6	95.0
134	25.9	12.9	38.6

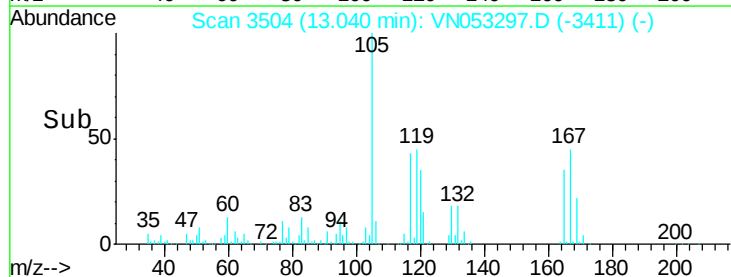
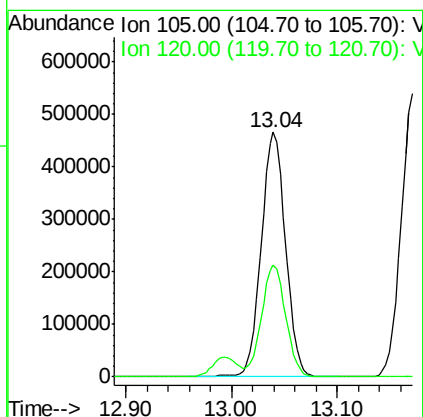
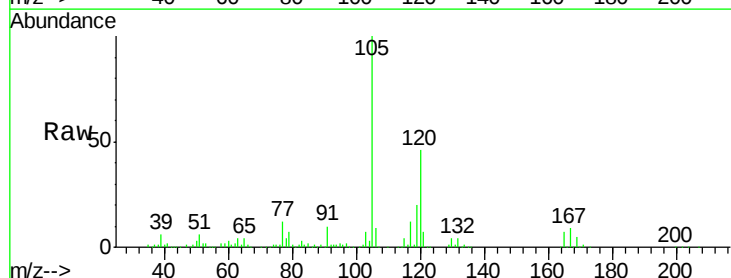
Manual Integrations
 APPROVED

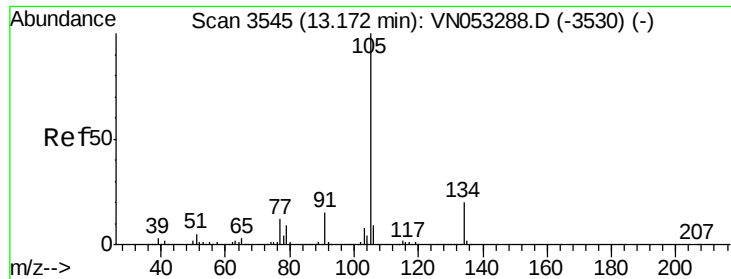
MMDadoda
 1/8/2019 9:25:01 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.586 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.0	69.0





#85

sec-Butylbenzene

Concen: 20.706 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

VN0107WBS01

Tot Ion:105 Resp: 856332

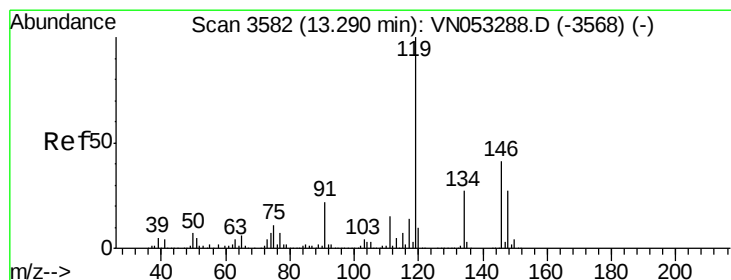
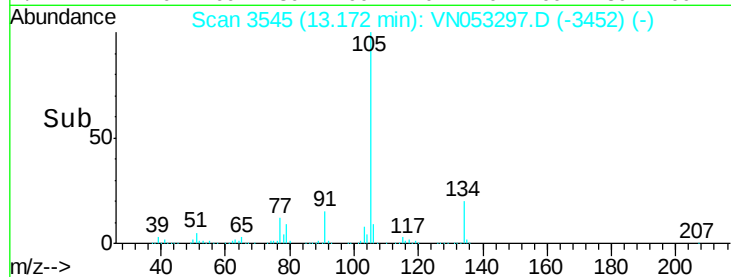
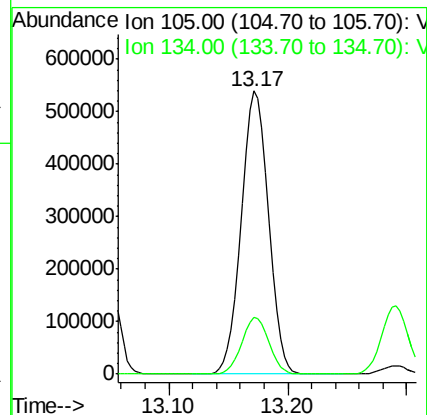
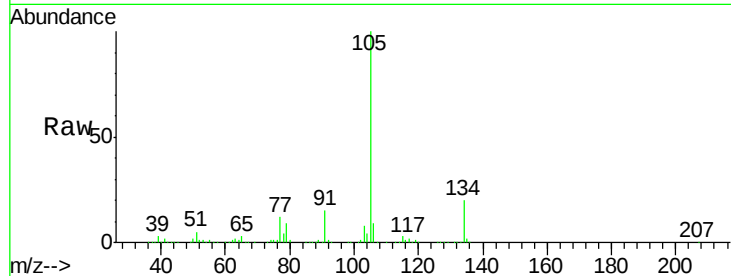
Ion Ratio Lower Upper

105 100

134 20.1 10.2 30.6

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.672 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

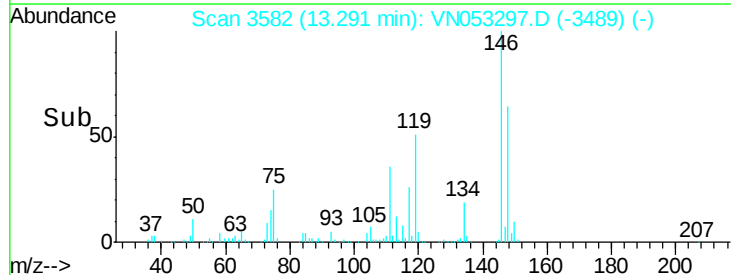
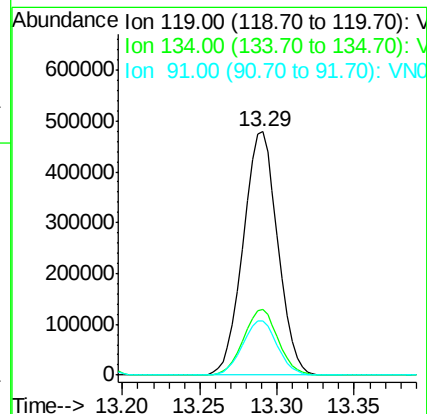
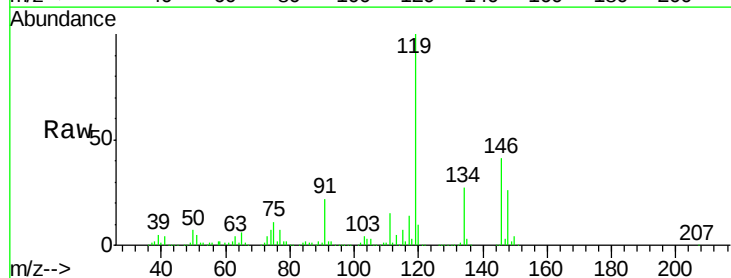
Tgt Ion:119 Resp: 740210

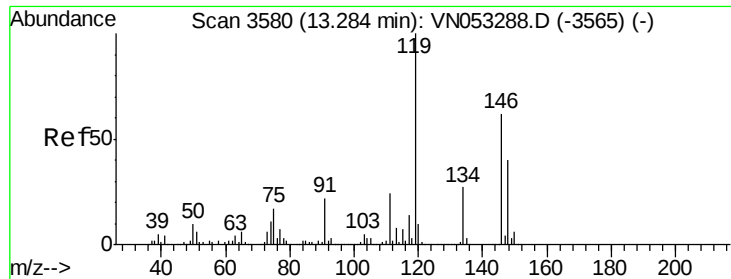
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 22.3 11.1 33.1





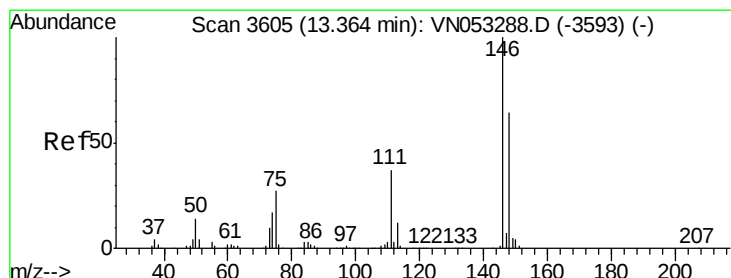
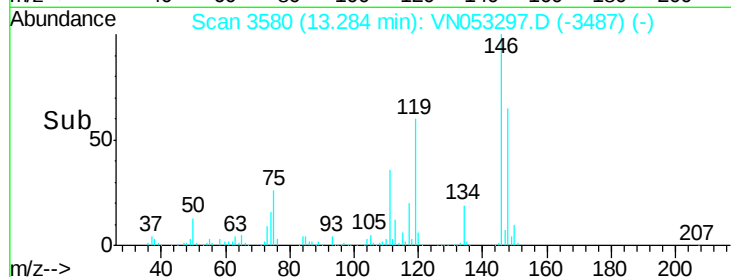
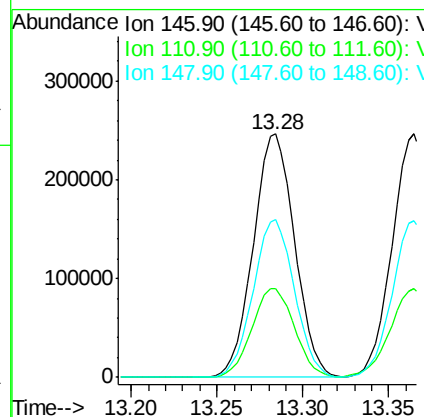
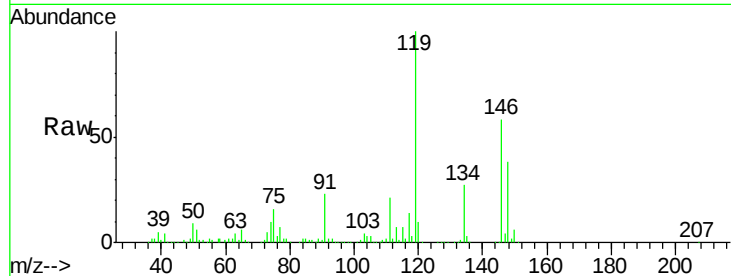
#87
 1,3-Dichlorobenzene
 Concen: 19.704 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0107WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.5
148	64.6	32.0	96.2

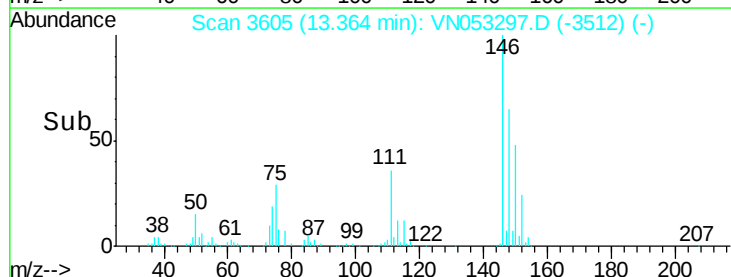
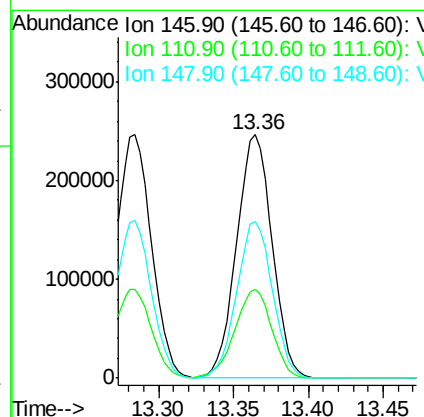
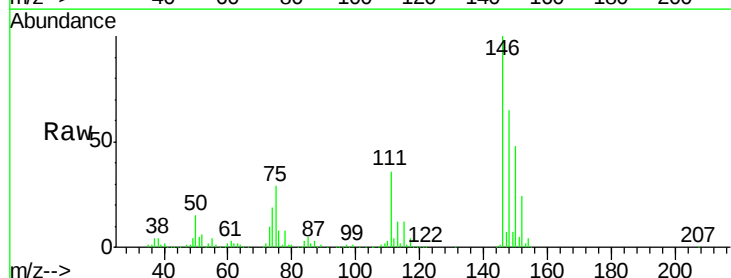
Manual Integrations
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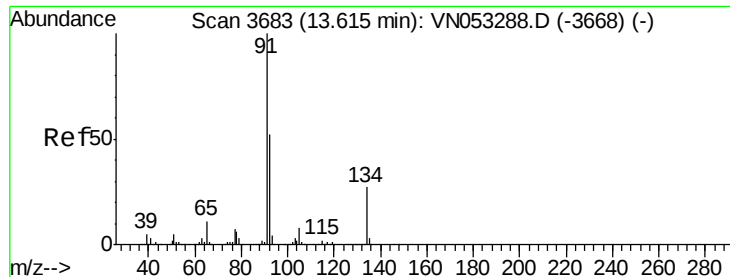
MMDadoda
 1/8/2019 9:25:01 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.745 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	64.6	32.0	96.0





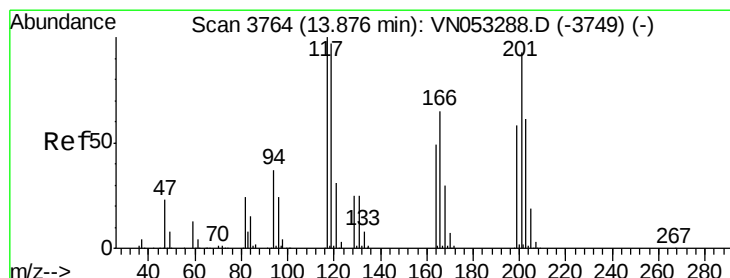
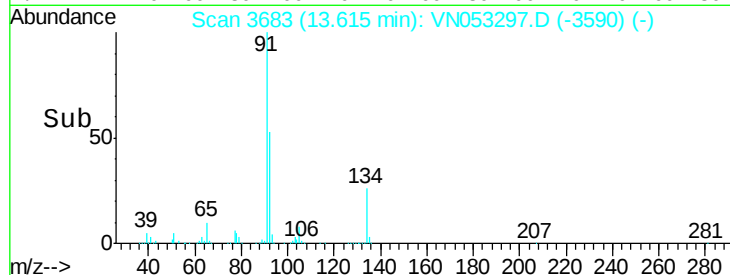
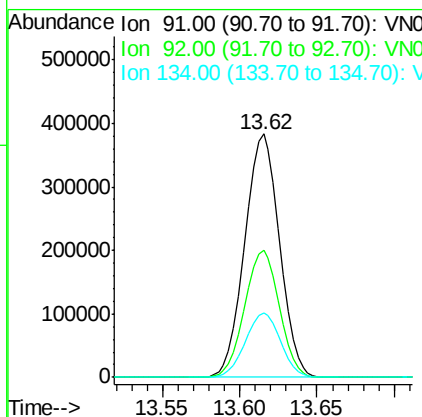
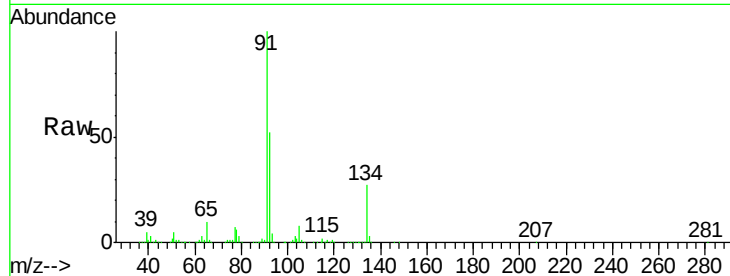
#89
n-Butylbenzene
Concen: 20.017 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Instrument :
MSVOA_N
ClientSampled :
VN0107WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.3	78.8
134	26.7	13.5	40.5

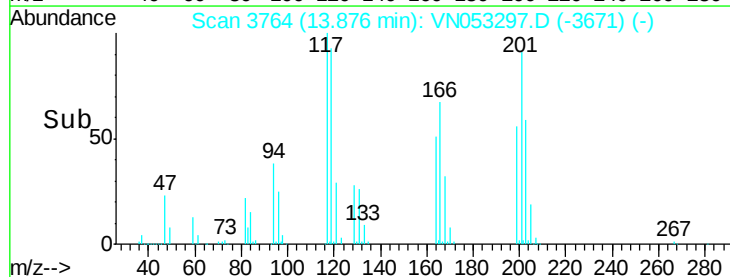
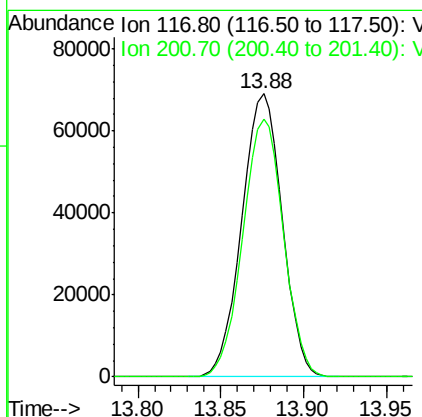
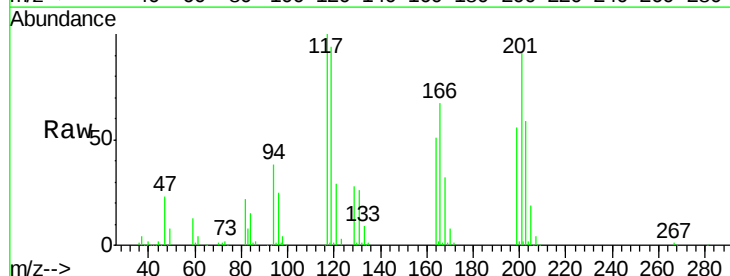
Manual Integrations
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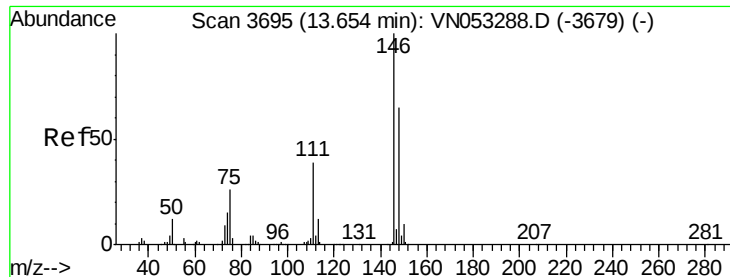
MMDadoda
1/8/2019 9:25:01 AM



#90
Hexachloroethane
Concen: 20.382 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.5	46.1	138.3





#91

1,2-Dichlorobenzene

Concen: 20.094 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

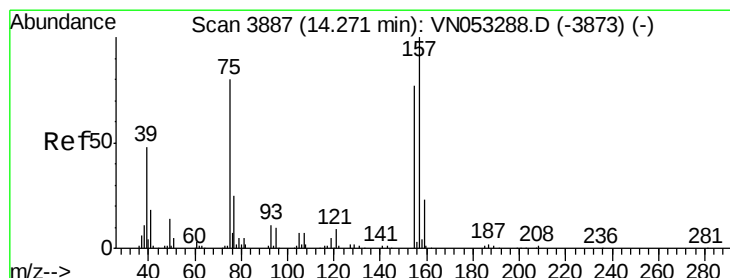
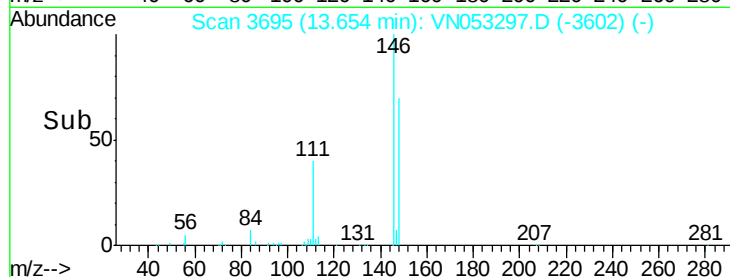
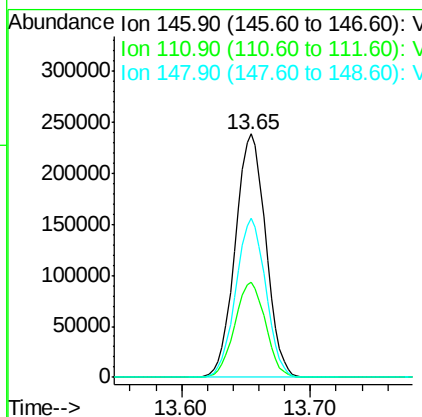
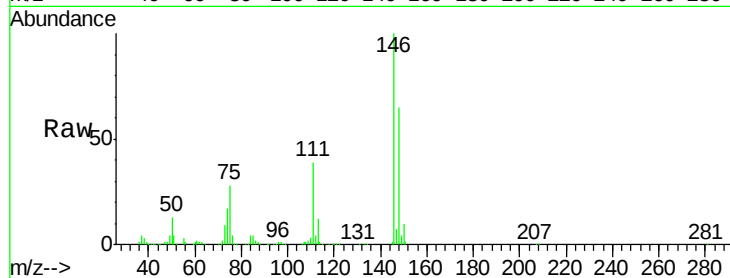
ClientSampleId :

VN0107WBS01

Tot Ion:	146	Resp:	392549
Ion Ratio	Lower	Upper	
146	100		
111	39.3	19.4	58.2
148	64.3	32.2	96.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.046 ug/l

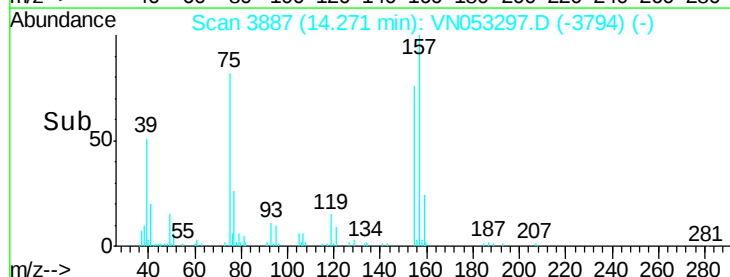
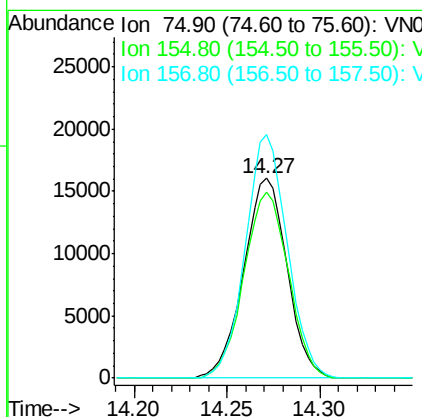
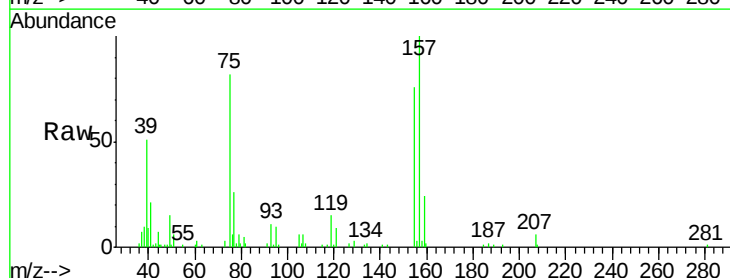
RT: 14.27 min Scan# 3887

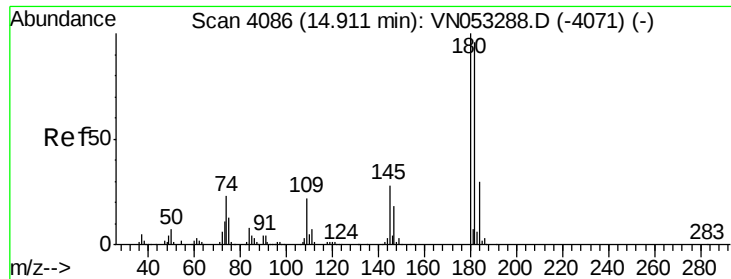
Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Tgt Ion:	75	Resp:	26057
Ion Ratio	Lower	Upper	
75	100		
155	95.2	48.1	144.3
157	117.6	61.5	184.4





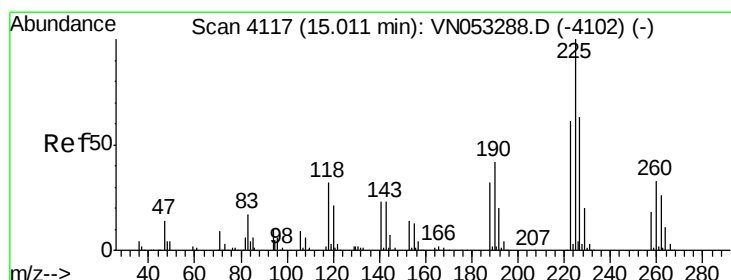
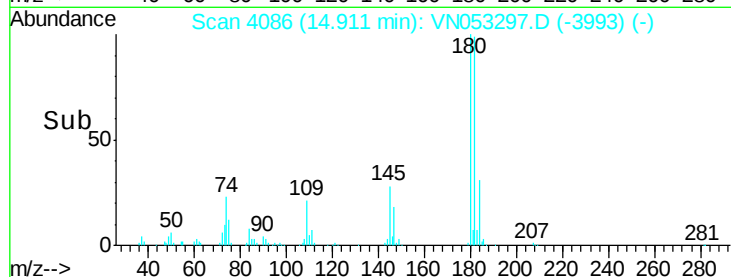
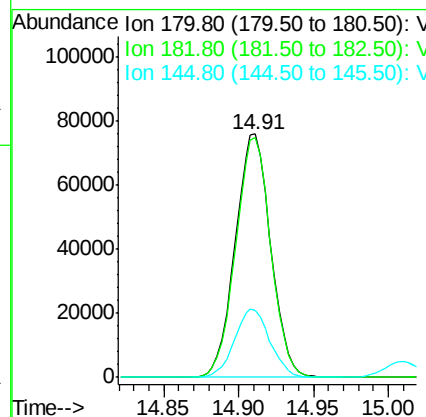
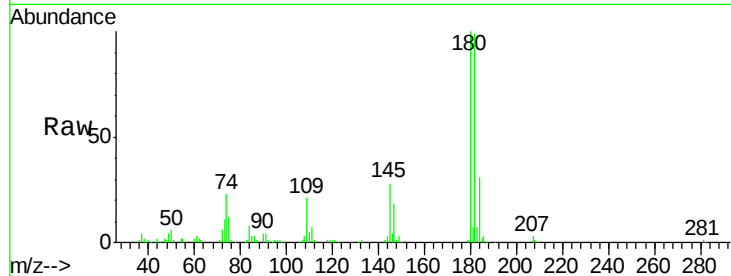
#93
 1,2,4-Trichlorobenzene
 Concen: 20.365 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0107WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	125088		
182	97.6	47.8	143.4	
145	28.1	14.4	43.0	

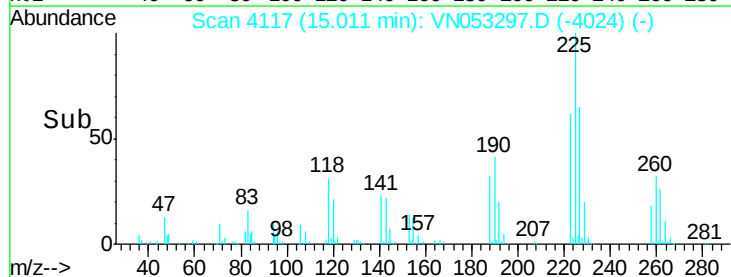
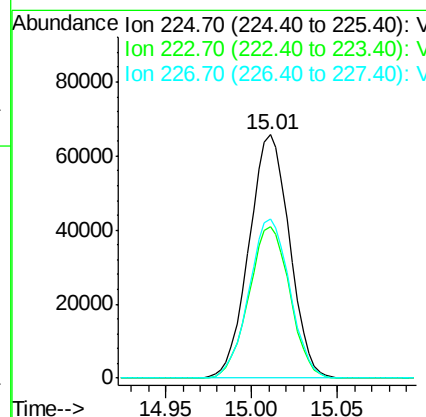
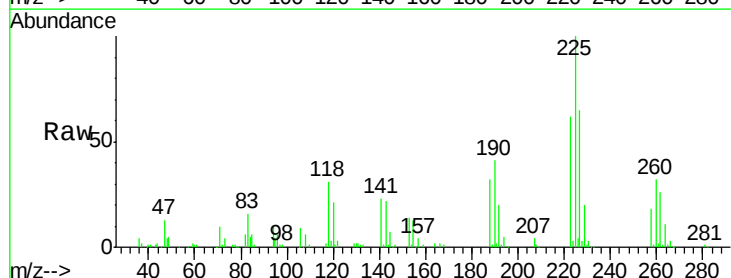
Manual Integrations
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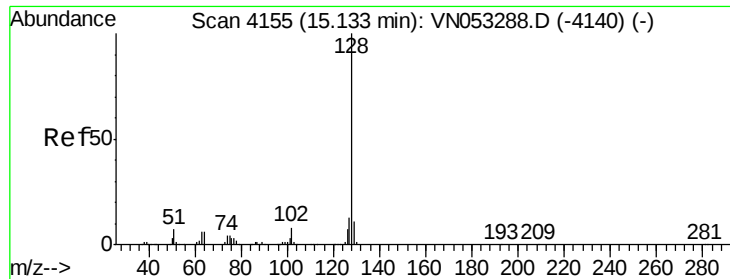
MMDadoda
 1/8/2019 9:25:01 AM



#94
 Hexachlorobutadiene
 Concen: 21.336 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	107194		
223	62.7	30.9	92.8	
227	66.0	31.4	94.2	





#95

Naphthalene

Concen: 20.795 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

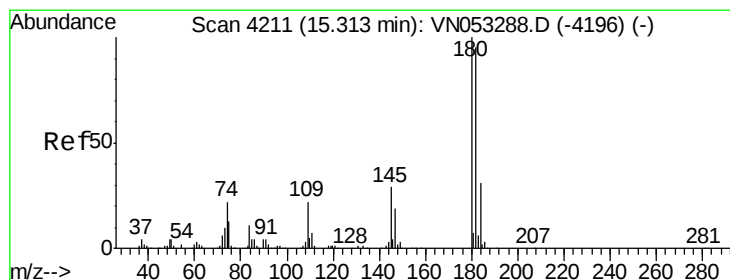
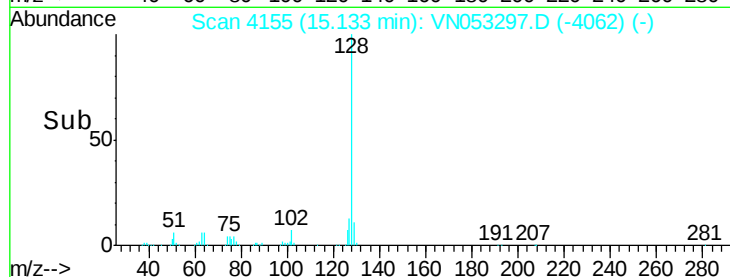
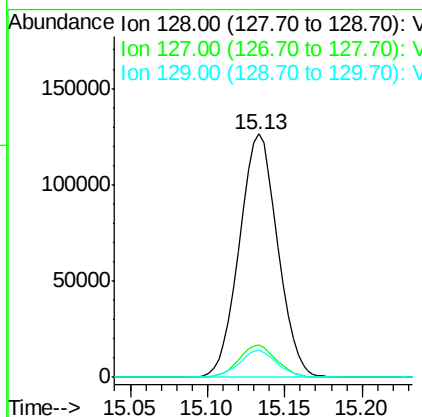
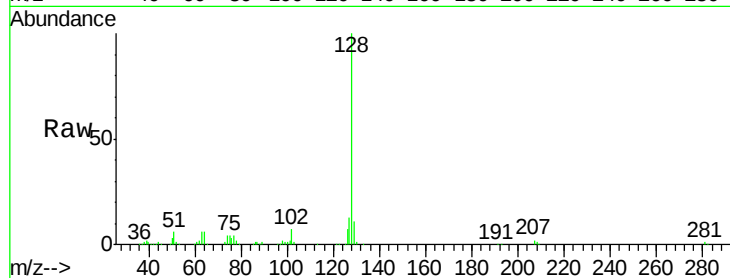
ClientSampleId :

VN0107WBS01

Tot Ion:	128	Resp:	217905
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.801 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Tgt Ion:	180	Resp:	79632
Ion Ratio	Lower	Upper	
180	100		
182	97.5	48.4	145.0
145	30.7	14.9	44.5

