

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010719\
 Data File : VN053302.D
 Acq On : 7 Jan 2019 14:07
 Operator : MD\SY
 Sample : VN1007WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 9:25:17 AM

Quant Time: Jan 08 03:02:43 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	881315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1359304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1235864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	588597	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	463251	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	7.59	113	385680	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.09	98	1655450	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.40	95	585772	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	163971	21.104	ug/l	100
3) Chloromethane	2.06	50	223796	20.626	ug/l	98
4) Vinyl Chloride	2.19	62	213141	20.581	ug/l	99
5) Bromomethane	2.57	94	140148	20.710	ug/l	99
6) Chloroethane	2.71	64	124336	19.891	ug/l	100
7) Trichlorofluoromethane	3.02	101	268640	20.027	ug/l	97
8) Diethyl Ether	3.41	74	107518	20.450	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	172421	20.281	ug/l	98
10) Methyl Iodide	3.96	142	249645	20.949	ug/l	100
11) Tert butyl alcohol	4.78	59	61484	111.486	ug/l	100
12) 1,1-Dichloroethene	3.74	96	166770	20.280	ug/l	97
13) Acrolein	3.61	56	69417	100.110	ug/l	99
14) Allyl chloride	4.33	41	260814	19.678	ug/l	100
15) Acrylonitrile	4.99	53	341614	103.765	ug/l	99
16) Acetone	3.82	43	228093	102.041	ug/l	98
17) Carbon Disulfide	4.06	76	500295	19.734	ug/l	99
18) Methyl Acetate	4.33	43	159750	19.251	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	472639	20.479	ug/l	98
20) Methylene Chloride	4.55	84	193715	19.671	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	177993	20.159	ug/l	99
22) Diisopropyl ether	5.95	45	582319	20.395	ug/l	97
23) Vinyl Acetate	5.90	43	1877213	104.489	ug/l	100
24) 1,1-Dichloroethane	5.85	63	334463	20.310	ug/l	99
25) 2-Butanone	6.83	43	380010	101.022	ug/l	98
26) 2,2-Dichloropropane	6.82	77	228495	18.982	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	202395	20.073	ug/l	99
28) Bromochloromethane	7.20	49	153033	21.807	ug/l	99
29) Tetrahydrofuran	7.21	42	261096	105.181	ug/l	98
30) Chloroform	7.37	83	324994	20.051	ug/l	99
31) Cyclohexane	7.66	56	319326	20.290	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	269342	19.941	ug/l	99
36) 1,1-Dichloropropene	7.80	75	253883	20.007	ug/l	99
37) Ethyl Acetate	6.93	43	170354	20.610	ug/l	99
38) Carbon Tetrachloride	7.77	117	234572	20.027	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	295821	20.122	ug/l	99
40) Benzene	8.04	78	778106	20.073	ug/l	99
41) Methacrylonitrile	7.17	41	79253	15.444	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	233650	20.321	ug/l	98
43) Isopropyl Acetate	8.16	43	314378	19.334	ug/l	98
44) Trichloroethene	8.84	130	209153	19.650	ug/l	99
45) 1,2-Dichloropropane	9.12	63	205043	20.168	ug/l	99
46) Dibromomethane	9.21	93	120479	20.324	ug/l	99
47) Bromodichloromethane	9.40	83	244546	19.796	ug/l	99
48) Methyl methacrylate	9.20	41	147803	20.007	ug/l	99
49) 1,4-Dioxane	9.20	88	34848	442.749	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	853355	104.357	ug/l	99
52) Toluene	10.16	92	478043	20.102	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	254515	20.140	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	292761	20.048	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	172968	19.781	ug/l	99
56) Ethyl methacrylate	10.43	69	232988	20.504	ug/l	99
57) 1,3-Dichloropropane	10.71	76	298270	20.398	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	610801	99.427	ug/l	100
59) 2-Hexanone	10.75	43	584574	104.337	ug/l	99
60) Dibromochloromethane	10.90	129	187767	19.909	ug/l	97
61) 1,2-Dibromoethane	11.01	107	173570	20.115	ug/l	98
64) Tetrachloroethene	10.63	164	219504	18.871	ug/l	99
65) Chlorobenzene	11.43	112	531009	19.779	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	181191	19.282	ug/l	99
67) Ethyl Benzene	11.51	91	910943	19.968	ug/l	99
68) m/p-Xylenes	11.62	106	701721	40.906	ug/l	99
69) o-Xylene	11.95	106	344418	20.508	ug/l	99
70) Styrene	11.96	104	557707	20.404	ug/l	99
71) Bromoform	12.13	173	133945	20.180	ug/l #	98
73) Isopropylbenzene	12.25	105	885707	20.211	ug/l	100
74) N-amyl acetate	12.07	43	272094	20.793	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	203924	20.229	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	180723m	21.051	ug/l	
77) Bromobenzene	12.53	156	233668	19.978	ug/l	99
78) n-propylbenzene	12.59	91	1008394	20.343	ug/l	99
79) 2-Chlorotoluene	12.67	91	601510	20.054	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	724409	20.522	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	60496	20.733	ug/l	96
82) 4-Chlorotoluene	12.77	91	618125	20.098	ug/l	99
83) tert-Butylbenzene	12.99	119	635641	20.524	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	734625	20.428	ug/l	99
85) sec-Butylbenzene	13.17	105	831541	20.359	ug/l	100
86) p-Isopropyltoluene	13.29	119	720199	20.366	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	405450	19.685	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	398042	19.482	ug/l	99
89) n-Butylbenzene	13.62	91	573865	19.356	ug/l	100
90) Hexachloroethane	13.88	117	111544	19.679	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	387795	20.100	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26979	22.065	ug/l	98

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ClientSampleId :
VN1007WBSD01

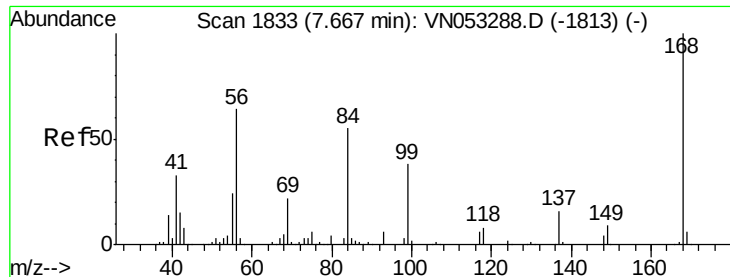
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	129432	21.336	ug/l	100
94) Hexachlorobutadiene	15.01	225	102763	20.711	ug/l	99
95) Naphthalene	15.13	128	233570	22.570	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	84764	21.342	ug/l	100

(#) = 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: VN053302.D

Acq: 7 Jan 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD01

Tot Ion:168 Resp: 881315

Ion Ratio Lower Upper

168 100

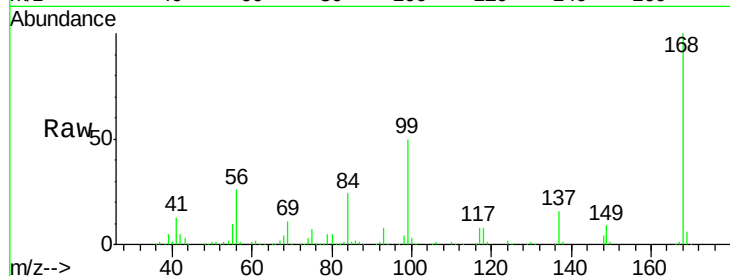
99 49.6 39.1 58.7

Manual Integrations

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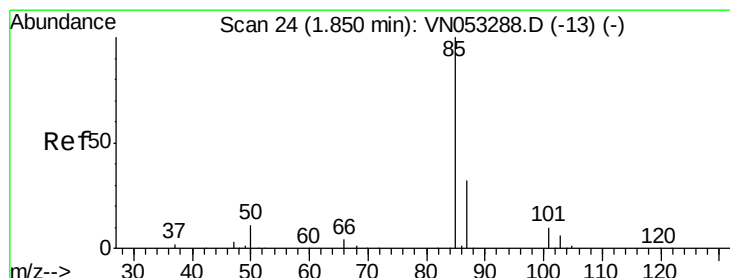
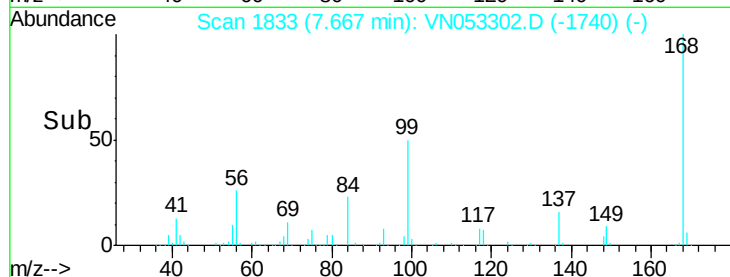
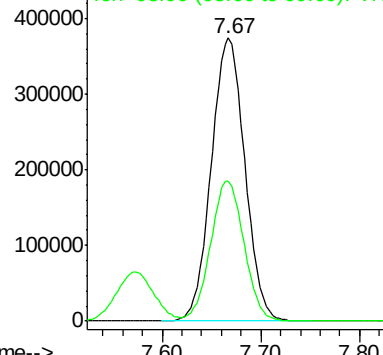
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 21.104 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053302.D

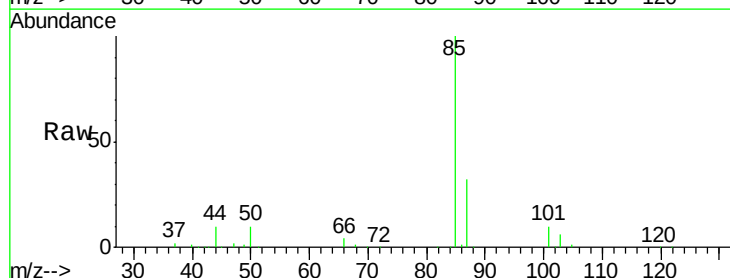
Acq: 7 Jan 2019 14:07

Tgt Ion: 85 Resp: 163971

Ion Ratio Lower Upper

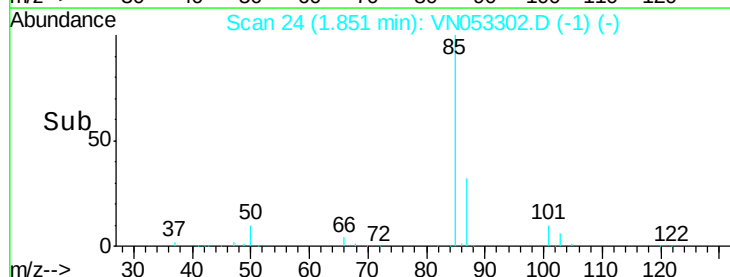
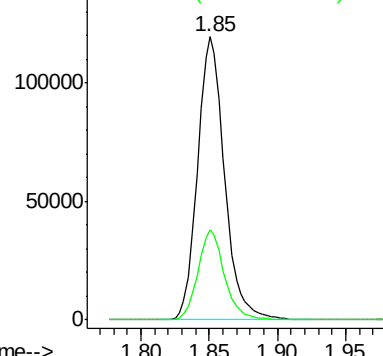
85 100

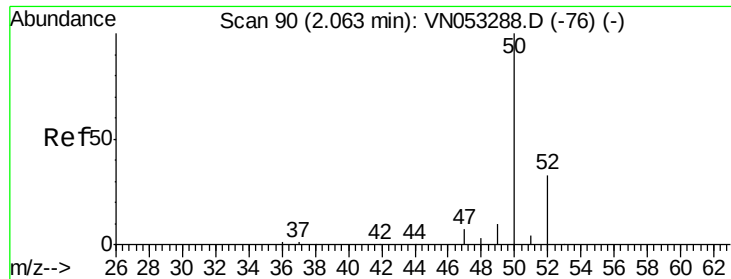
87 32.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.626 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD01

Tot Ion: 50 Resp: 223796

Ion Ratio Lower Upper

50 100

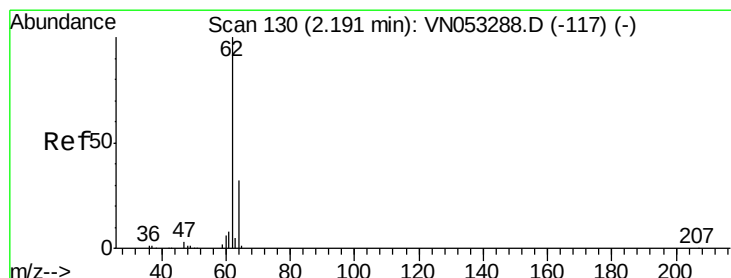
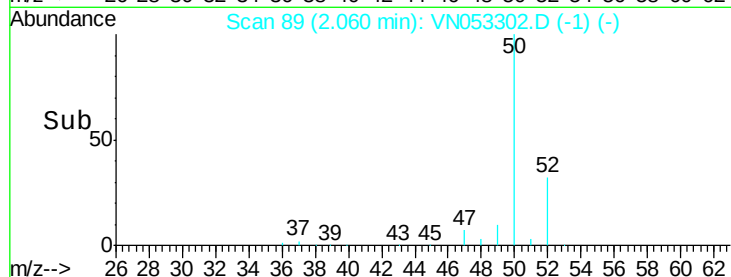
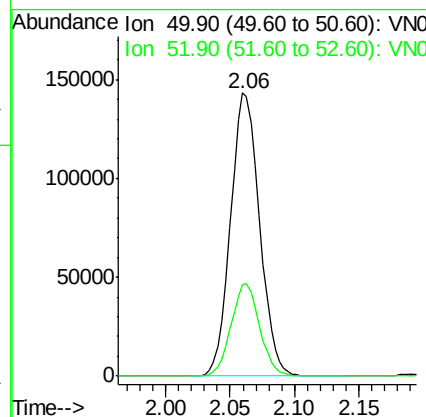
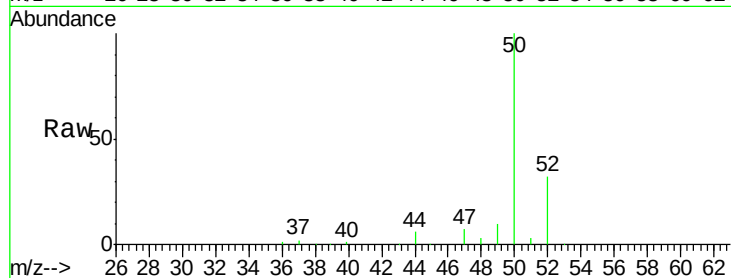
52 32.1 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.581 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053302.D

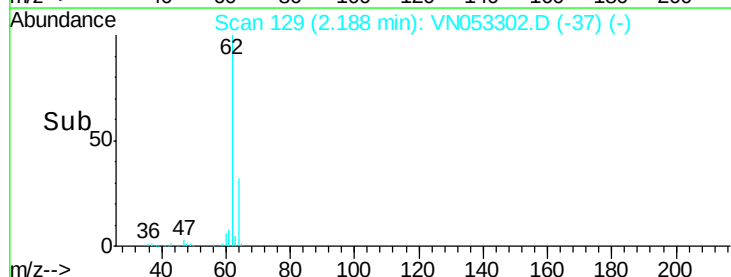
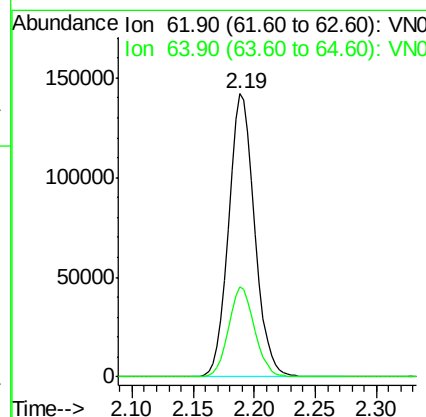
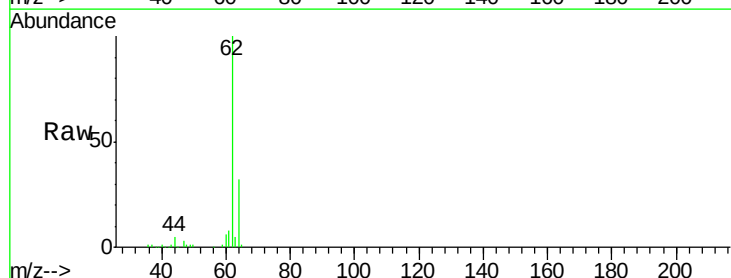
Acq: 7 Jan 2019 14:07

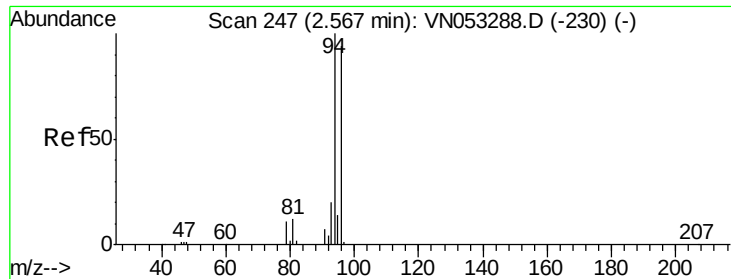
Tgt Ion: 62 Resp: 213141

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 20.710 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD01

Tot Ion: 94 Resp: 140148

Ion Ratio Lower Upper

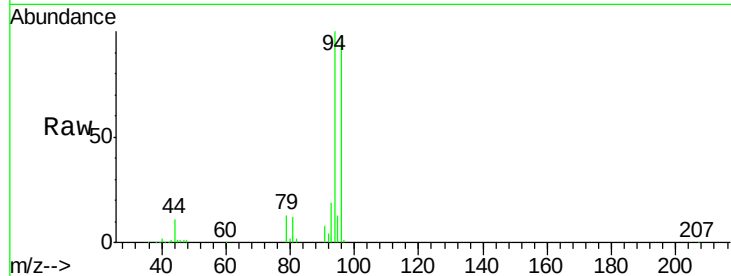
94 100

96 94.8 74.9 112.3

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

80000

60000

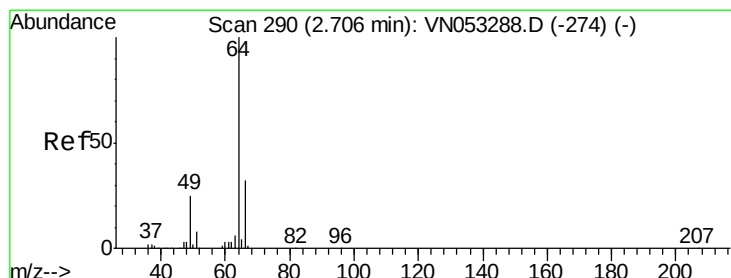
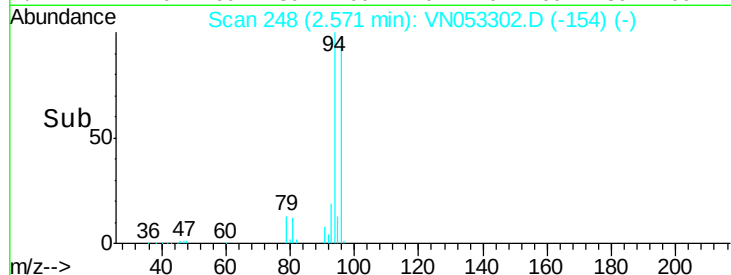
40000

20000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.891 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053302.D

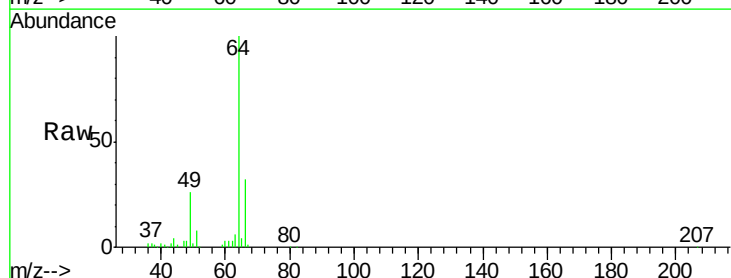
Acq: 7 Jan 2019 14:07

Tgt Ion: 64 Resp: 124336

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

60000

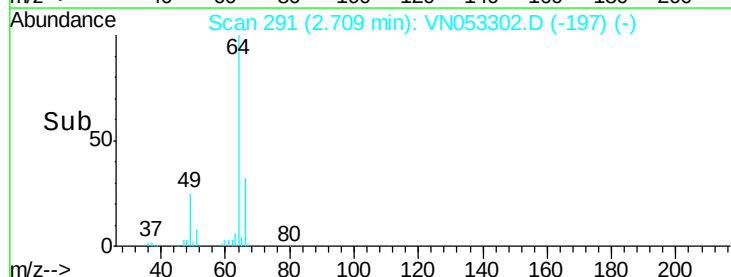
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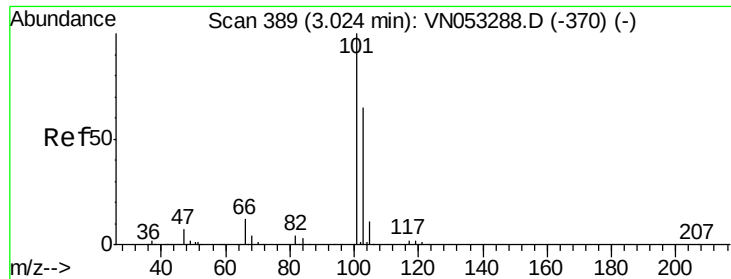
20000

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Time-->

2.60 2.65 2.70 2.75 2.80





#7

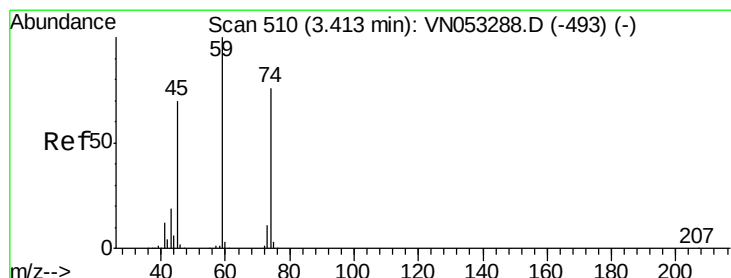
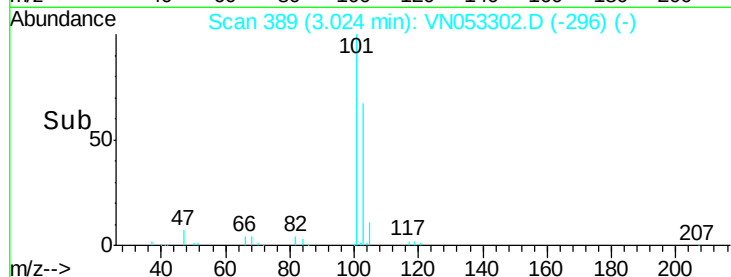
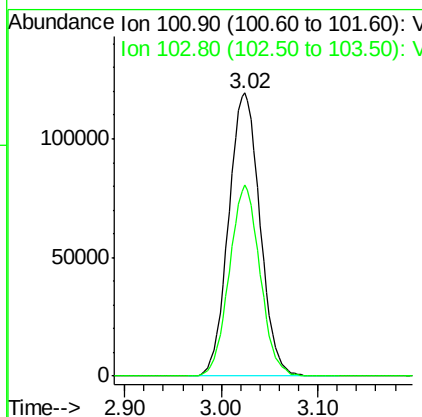
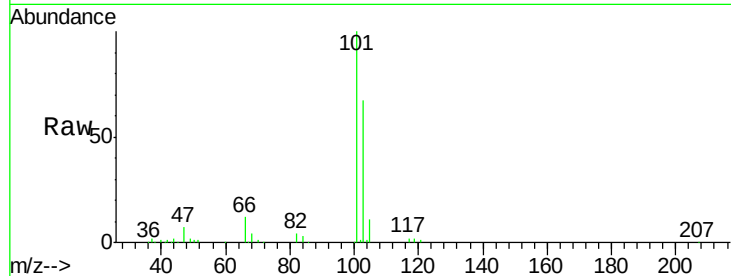
Trichlorofluoromethane
Concen: 20.027 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Instrument :
MSVOA_N
ClientSampled :
VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	52.1	78.1

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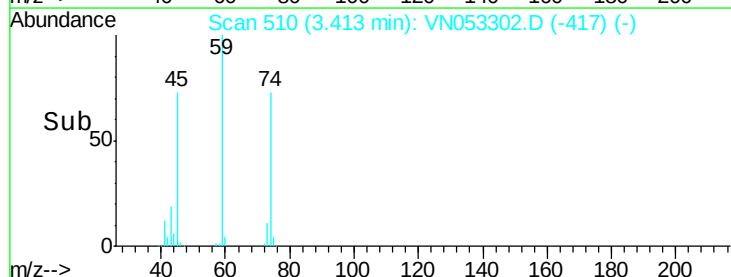
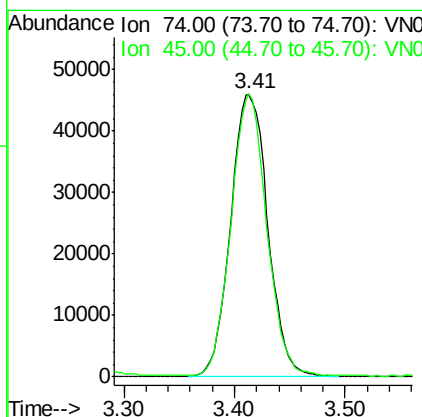
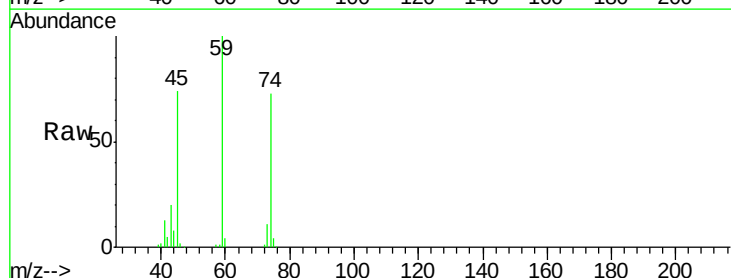
MMDadoda
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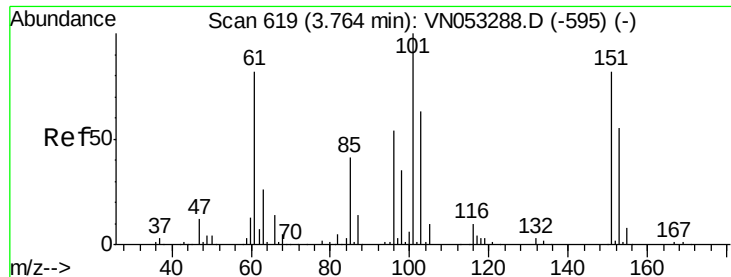


#8

Diethyl Ether
Concen: 20.450 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.3	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.281 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Instrument :

MSVOA_N

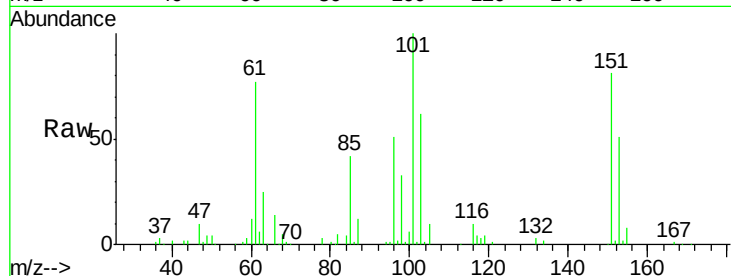
ClientSampleId :

VN1007WBSD01

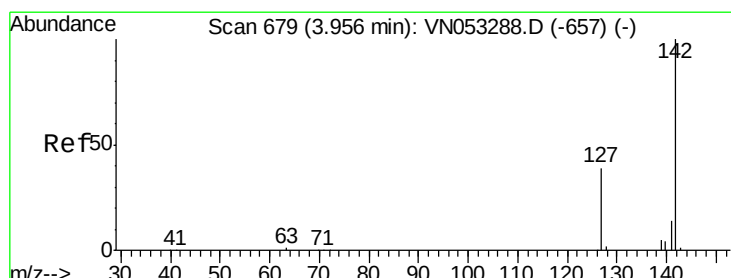
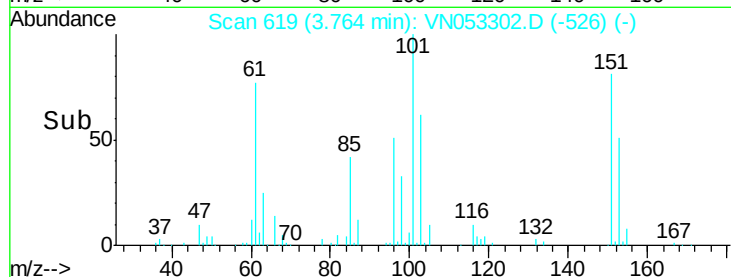
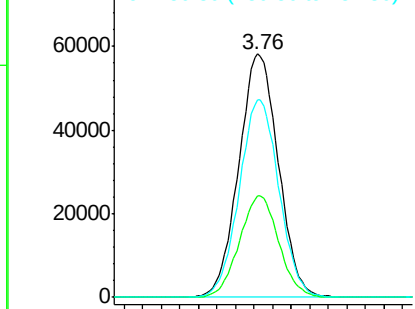
Tot Ion:	101	Resp:	172421
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.3	49.9
151	81.6	67.0	100.4

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



#10

Methyl Iodide

Concen: 20.949 ug/l

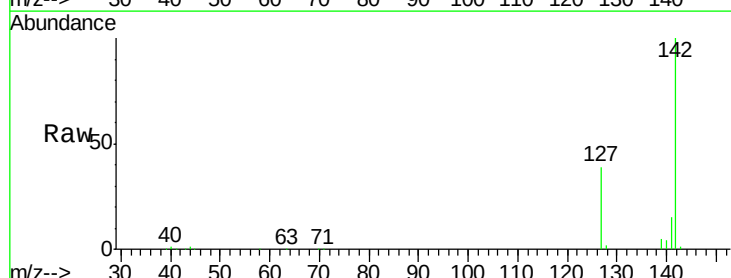
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

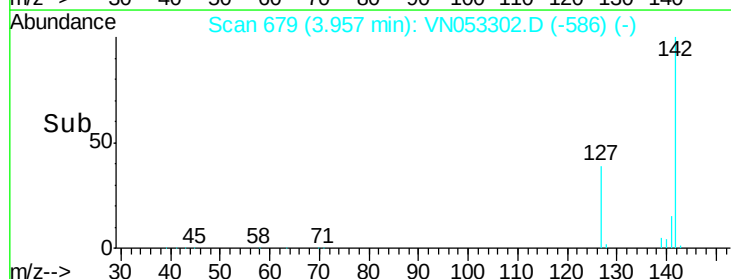
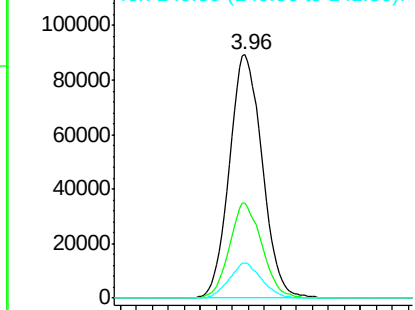
Lab File: VN053302.D

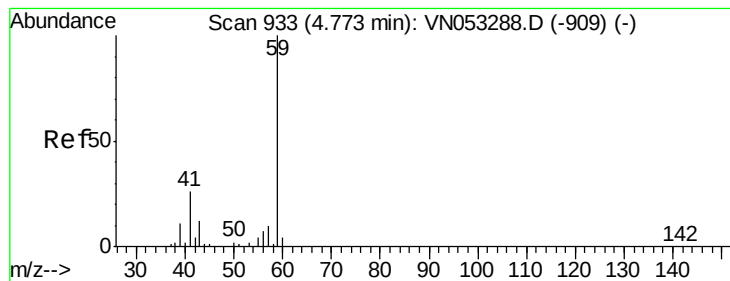
Acq: 7 Jan 2019 14:07

Tgt Ion:	142	Resp:	249645
Ion Ratio	Lower	Upper	
142	100		
127	38.5	30.9	46.3
141	14.1	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

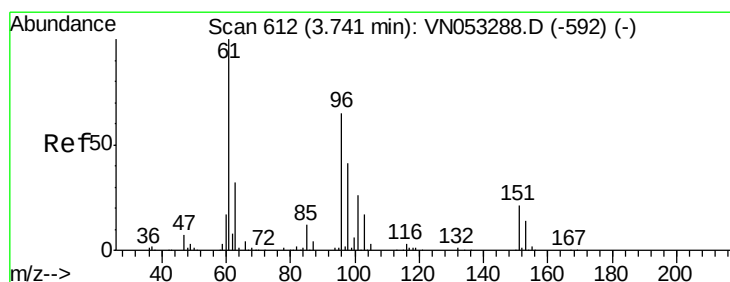
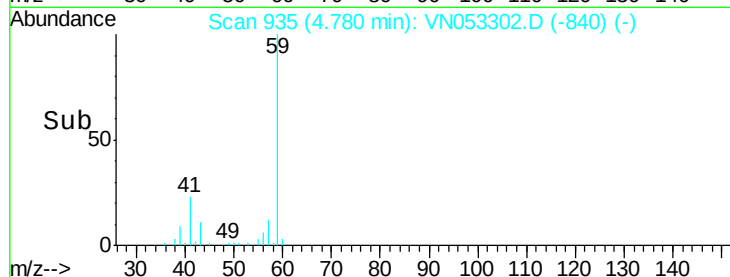
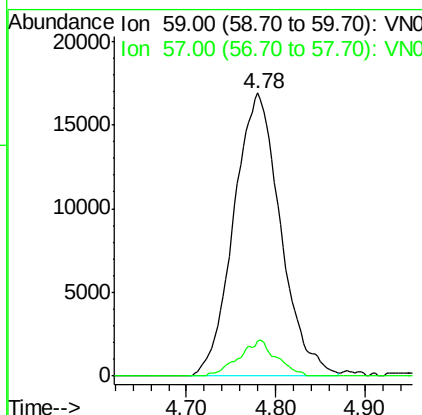
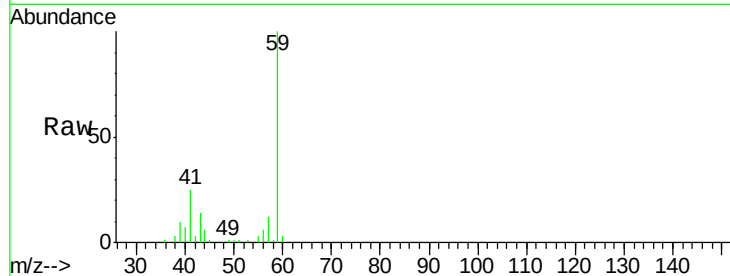
Tert butyl alcohol
 Concen: 111.486 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD01

Tot Ion	59	Resp	61484
Ion Ratio	100	Lower	Upper
57	10.2	8.0	12.0

Manual Integrations
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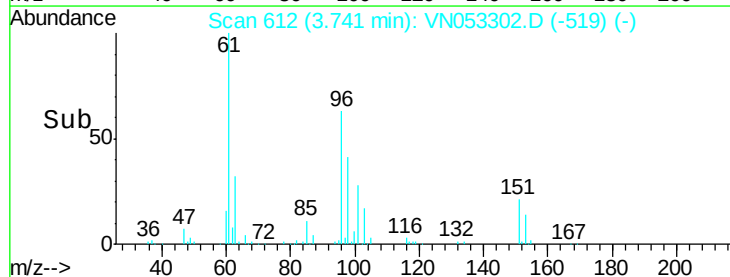
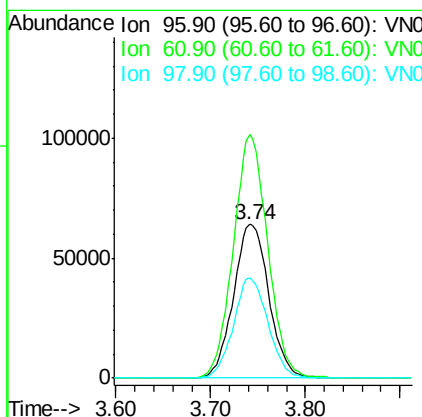
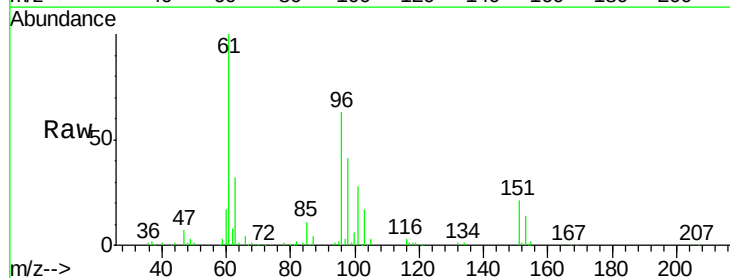
MMDadoda
 1/8/2019 9:25:17 AM

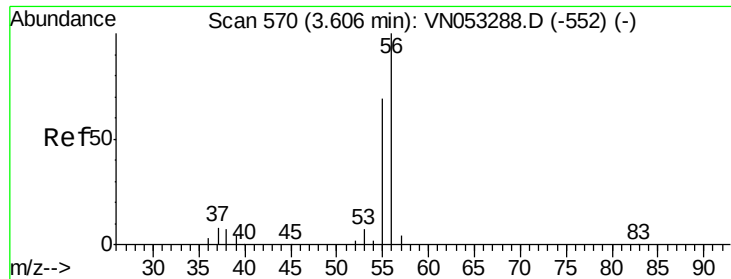


#12

1,1-Dichloroethene
 Concen: 20.280 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Tgt Ion	96	Resp	166770
Ion Ratio	100	Lower	Upper
61	158.3	123.2	184.8
98	65.0	50.5	75.7





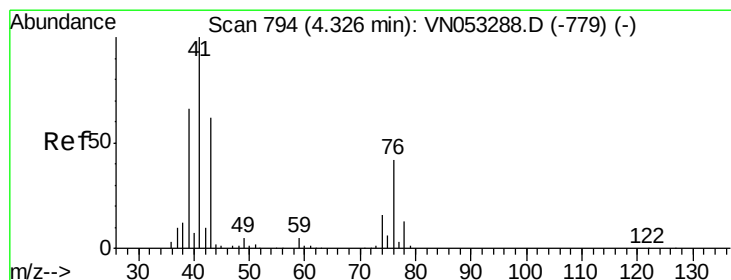
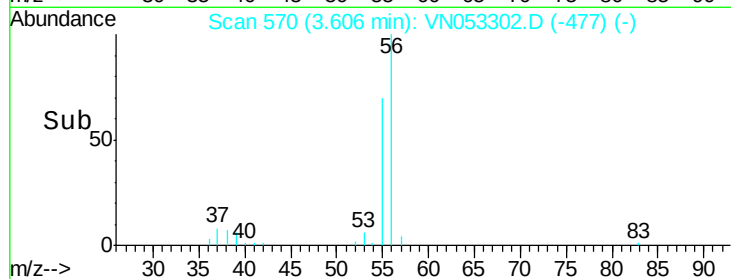
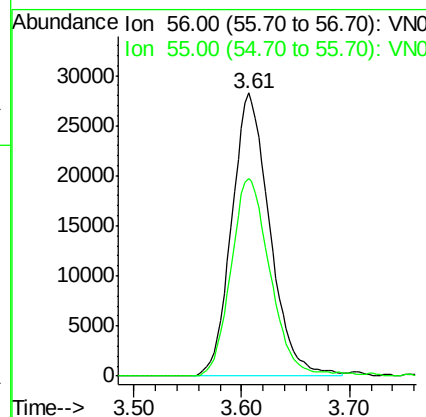
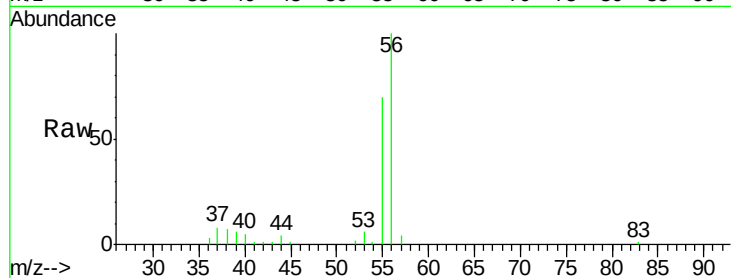
#13
 Acrolein
 Concen: 100.110 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	71.3	56.3	84.5

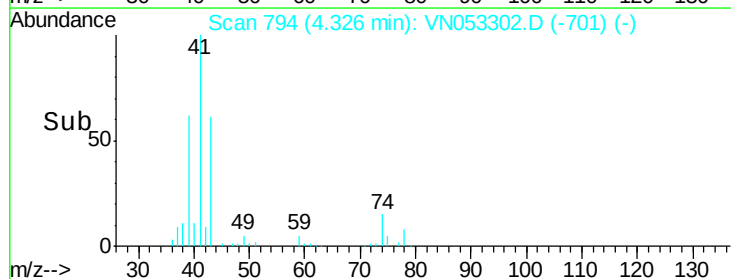
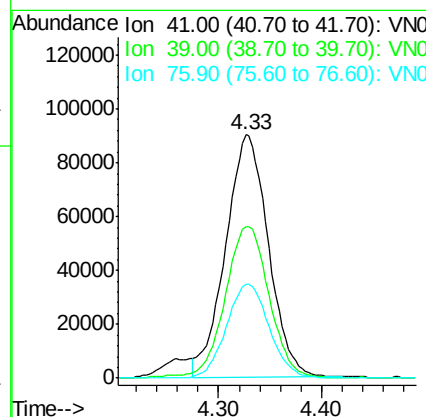
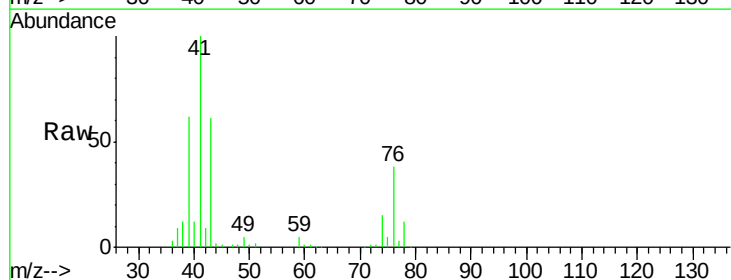
Manual Integrations
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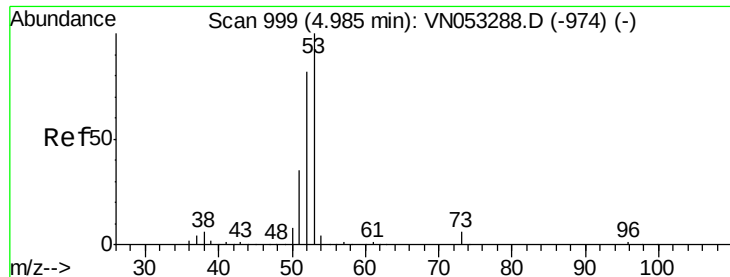
MMDadoda
 1/8/2019 9:25:17 AM



#14
 Allyl chloride
 Concen: 19.678 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	64.7	51.9	77.9
76	76	38.7	31.2	46.8





#15

Acrylonitrile

Concen: 103.765 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Instrument :

MSVOA_N

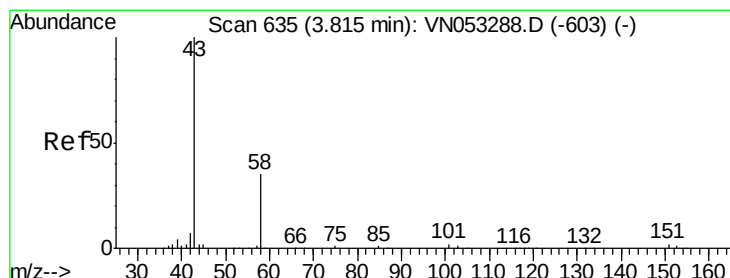
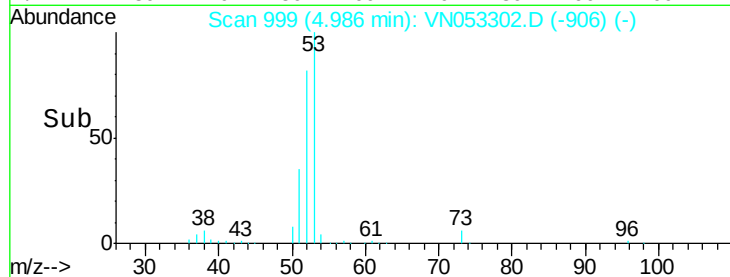
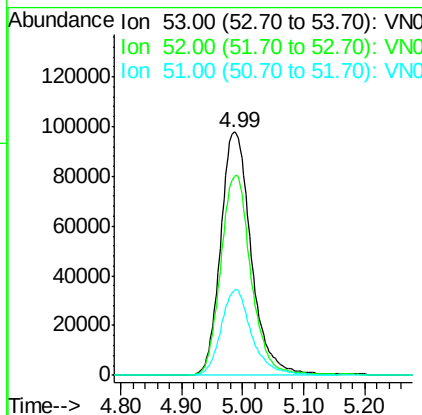
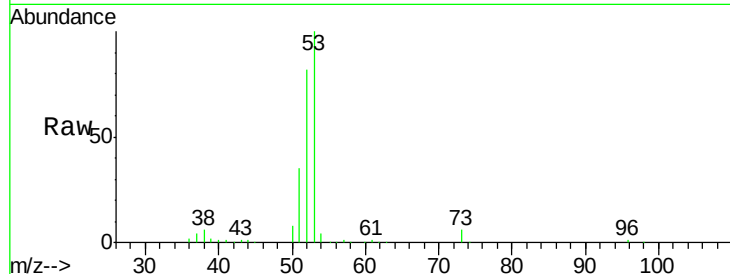
ClientSampleId :

VN1007WBSD01

Tot Ion:	53	Resp:	341614
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.2	97.8
51	35.3	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 102.041 ug/l

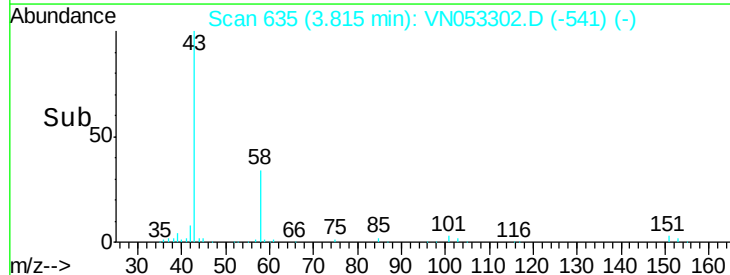
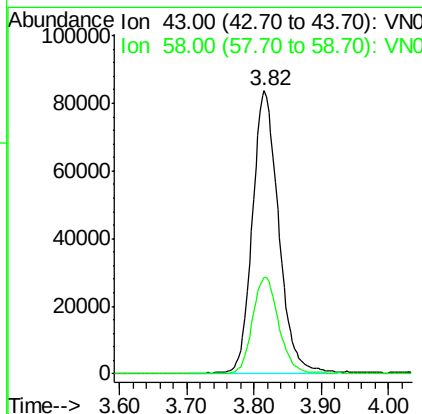
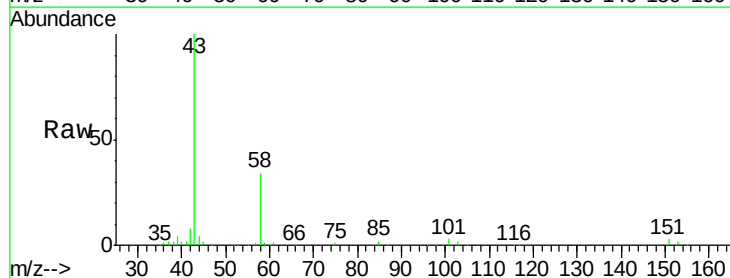
RT: 3.82 min Scan# 635

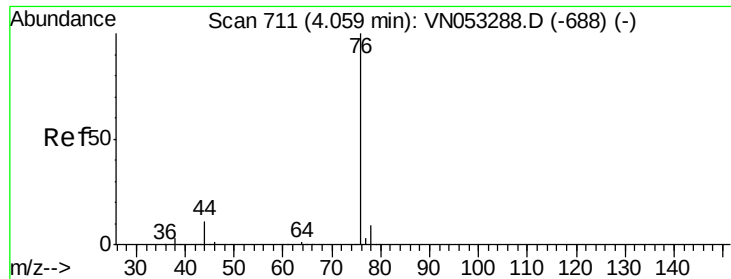
Delta R.T. 0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Tgt Ion:	43	Resp:	228093
Ion	Ratio	Lower	Upper
43	100		
58	33.8	27.8	41.6





#17

Carbon Disulfide

Concen: 19.734 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD01

Tot Ion: 76 Resp: 500295

Ion Ratio Lower Upper

76 100

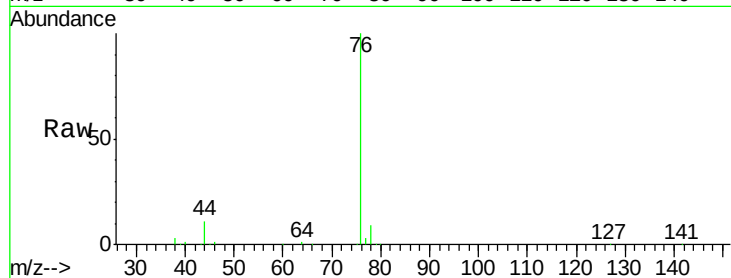
78 8.7 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.06

200000

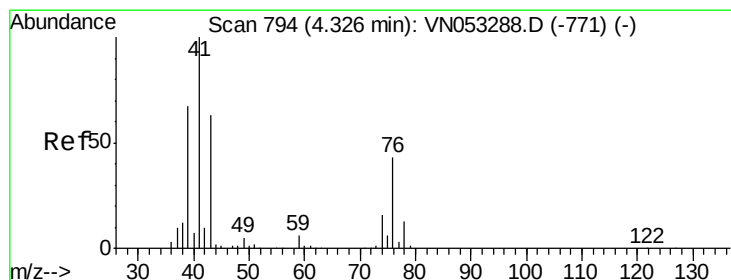
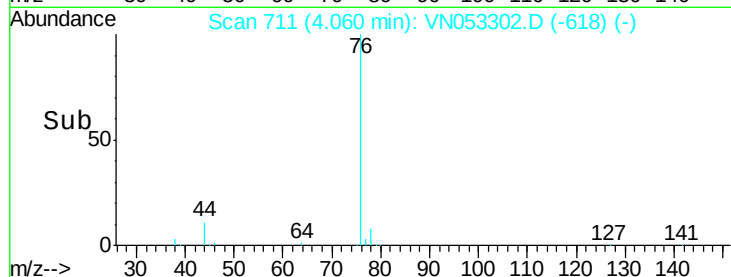
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.251 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053302.D

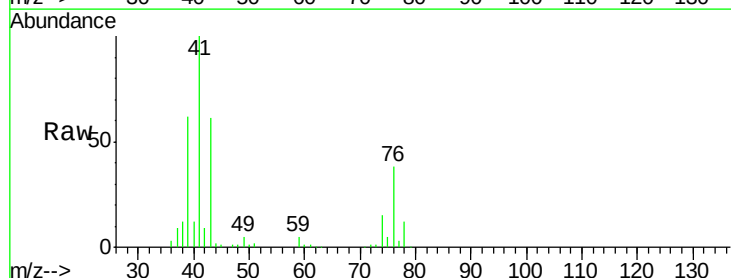
Acq: 7 Jan 2019 14:07

Tgt Ion: 43 Resp: 159750

Ion Ratio Lower Upper

43 100

74 24.4 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

60000

50000

40000

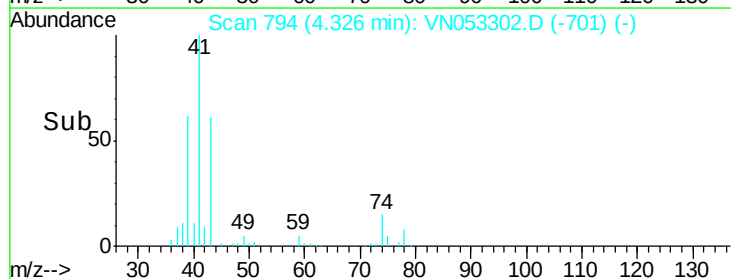
30000

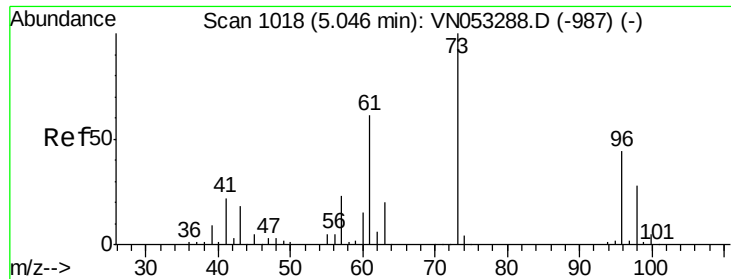
20000

10000

0

Time-->





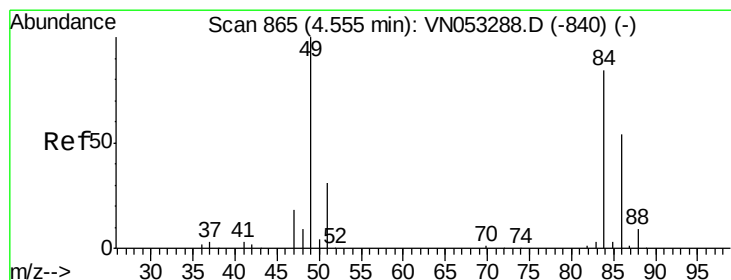
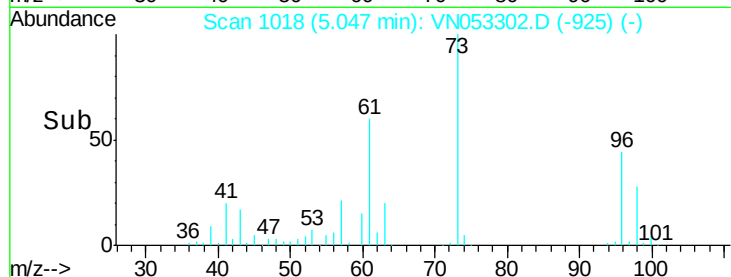
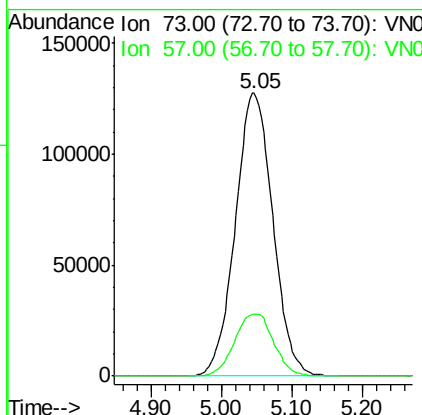
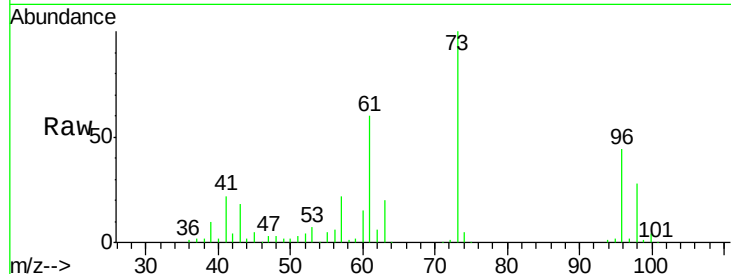
#19
Methyl tert-butyl Ether
Concen: 20.479 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion: 73 Resp: 472639
Ion Ratio Lower Upper
73 100
57 22.0 18.5 27.7

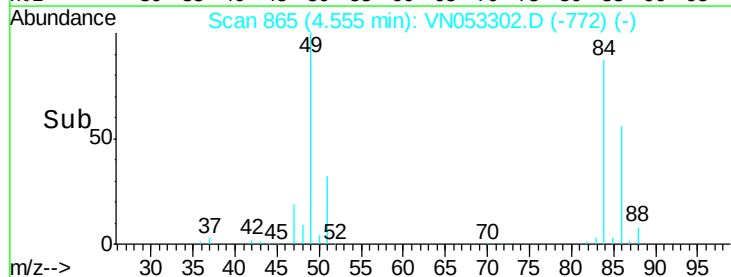
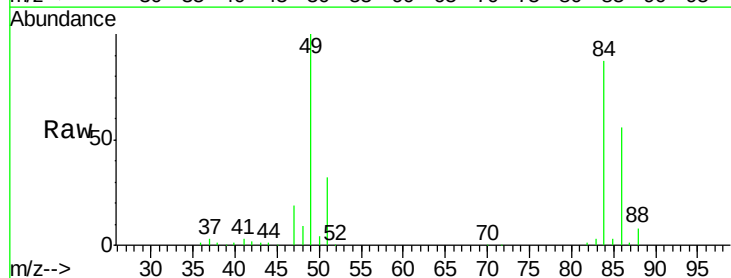
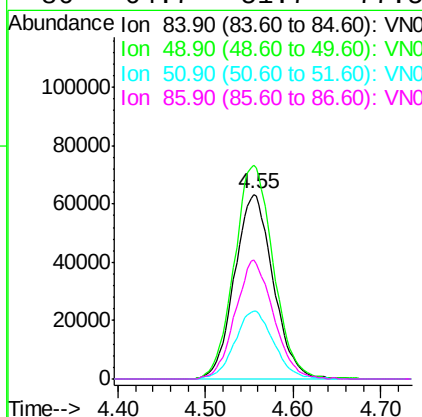
Manual Integrations
APPROVED

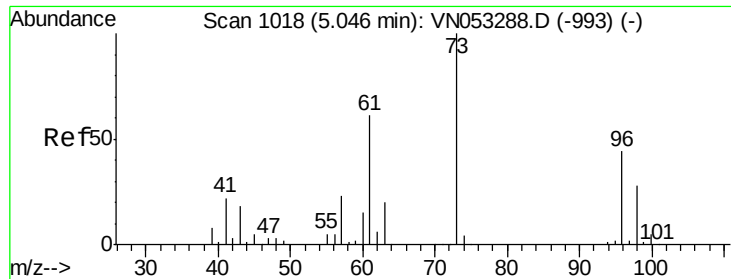
MMDadoda
1/8/2019 9:25:17 AM



#20
Methylene Chloride
Concen: 19.671 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Tgt Ion: 84 Resp: 193715
Ion Ratio Lower Upper
84 100
49 115.5 95.3 142.9
51 36.8 29.0 43.6
86 64.7 51.7 77.5





#21

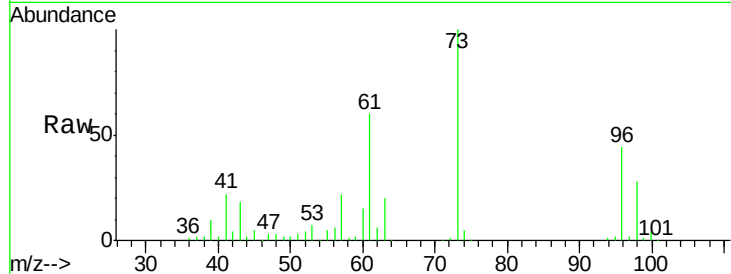
trans-1,2-Dichloroethene
Concen: 20.159 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.5	110.2	165.4
98	63.5	50.7	76.1

Manual Integrations
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MMDadoda
1/8/2019 9:25:17 AM

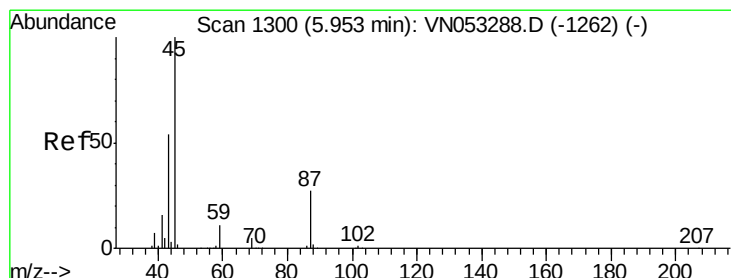
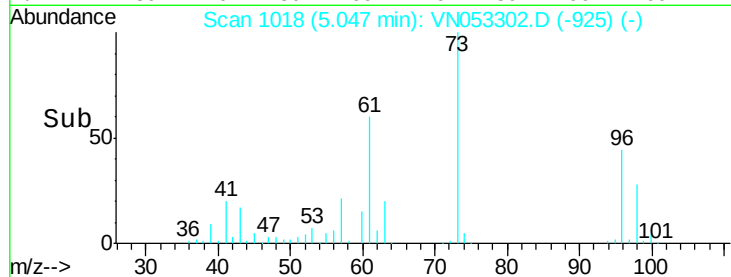
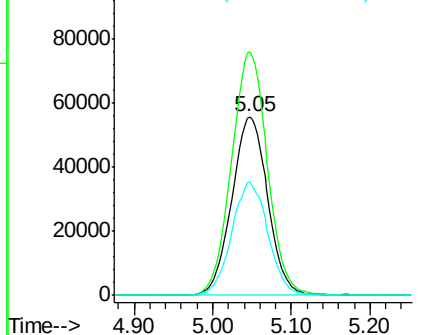


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether
Concen: 20.395 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.7	43.0	64.6
87	28.7	22.1	33.1
59	11.9	9.0	13.4

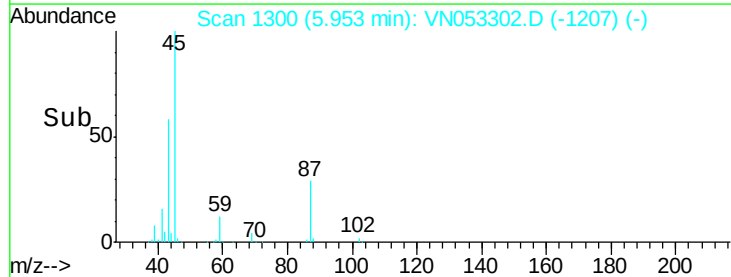
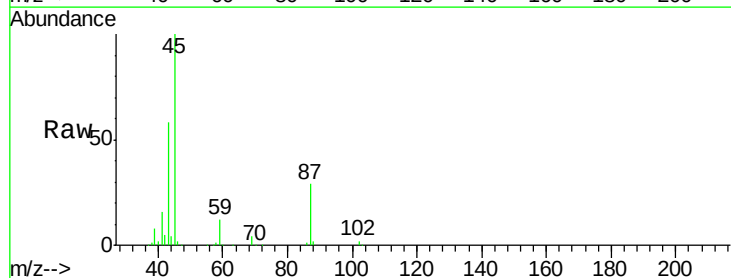
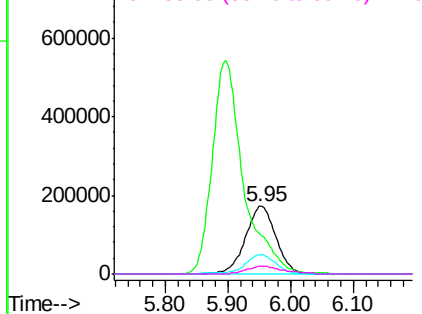
Abundance

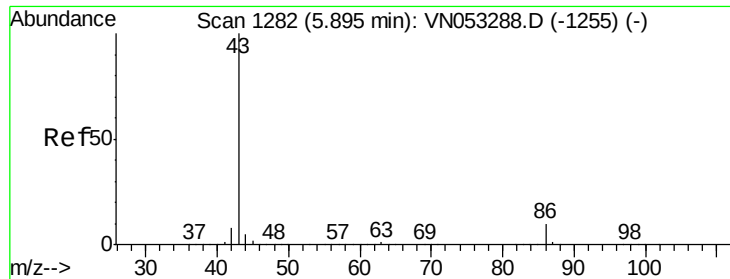
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





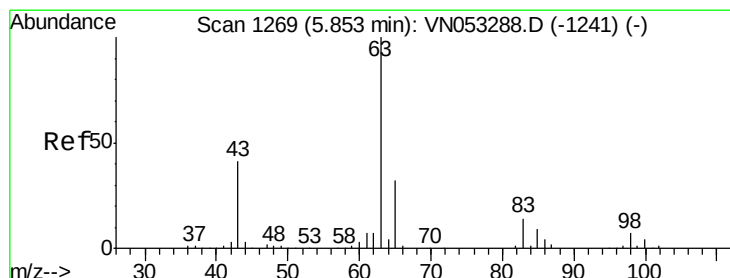
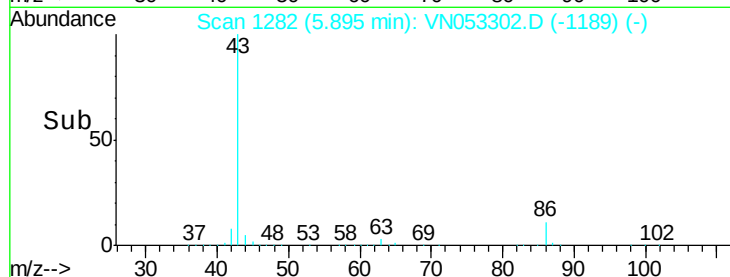
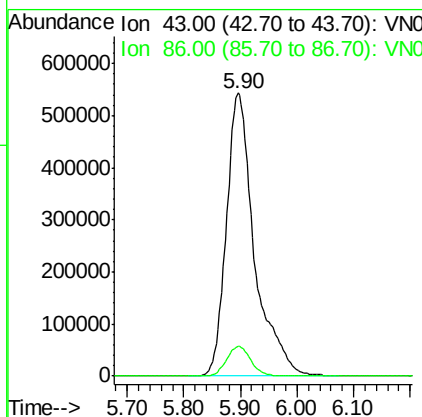
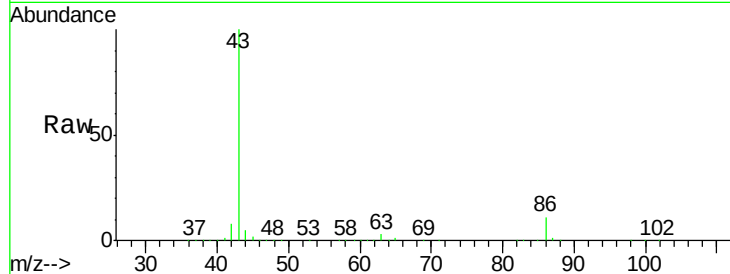
#23
 Vinyl Acetate
 Concen: 104.489 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD01

Tot Ion: 43 Resp: 1877213
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.4 12.6

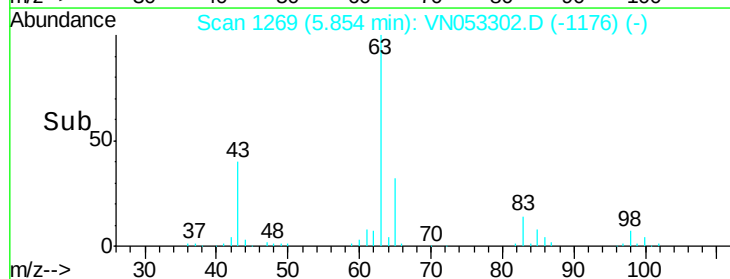
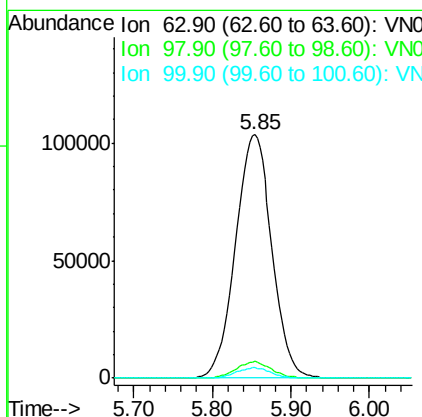
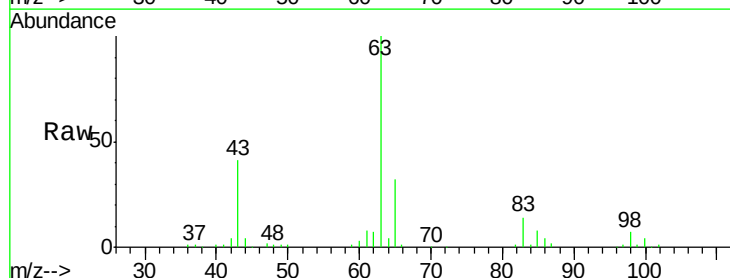
Manual Integrations
 APPROVED

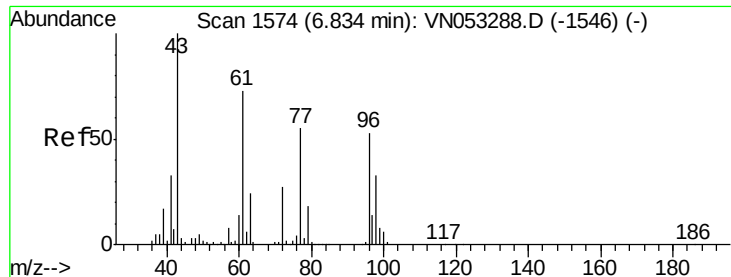
MMDadoda
 1/8/2019 9:25:17 AM



#24
 1,1-Dichloroethane
 Concen: 20.310 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Tgt Ion: 63 Resp: 334463
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.2 2.1 6.5





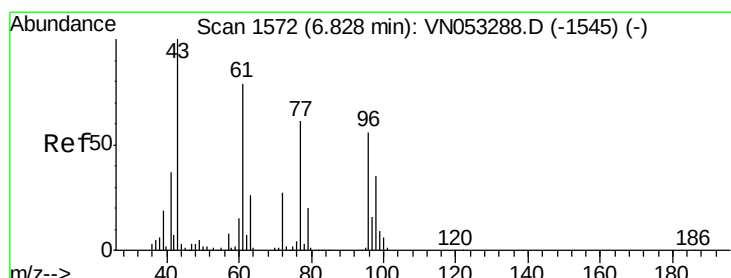
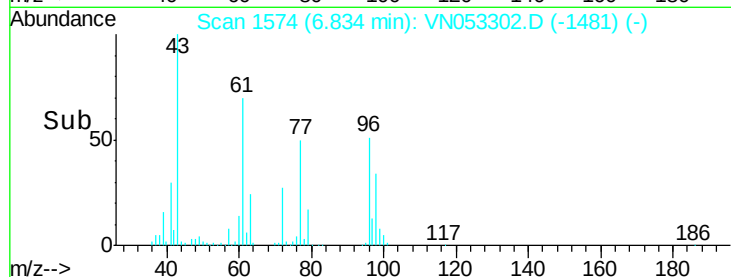
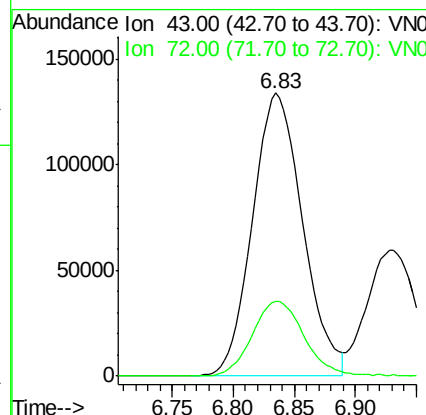
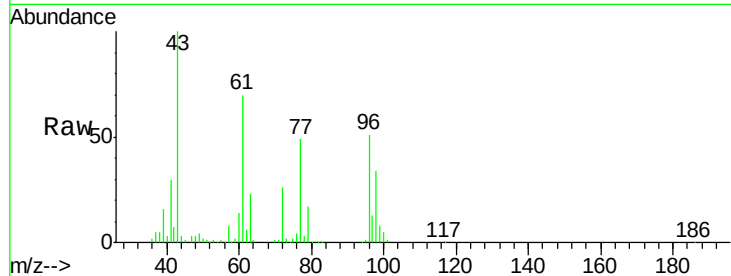
#25
2-Butanone
Concen: 101.022 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion: 43 Resp: 380010
Ion Ratio Lower Upper
43 100
72 26.5 22.0 33.0

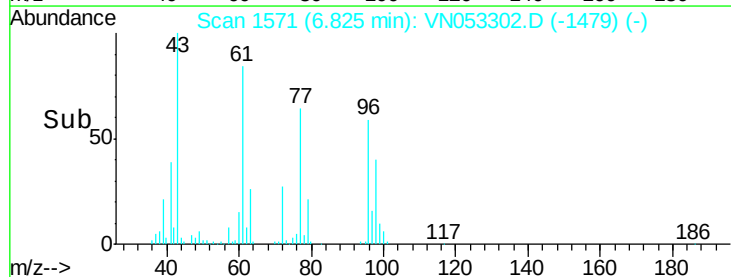
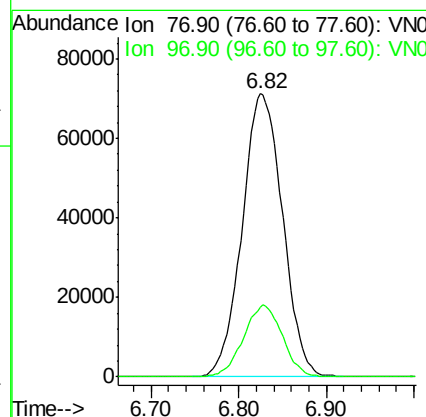
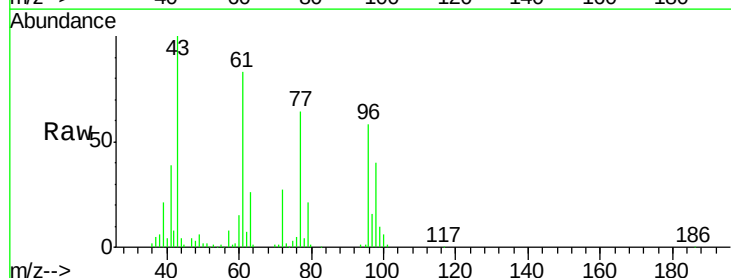
Manual Integrations
APPROVED

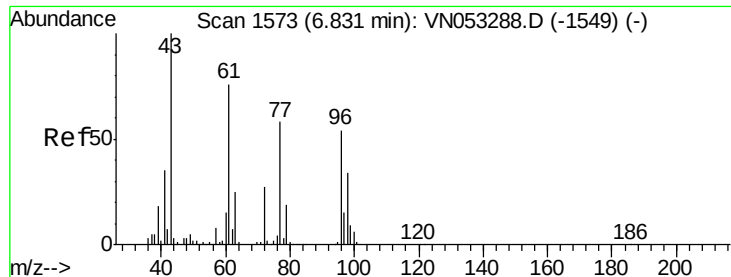
MMDadoda
1/8/2019 9:25:17 AM



#26
2,2-Dichloropropane
Concen: 18.982 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Tgt Ion: 77 Resp: 228495
Ion Ratio Lower Upper
77 100
97 24.4 12.3 36.9





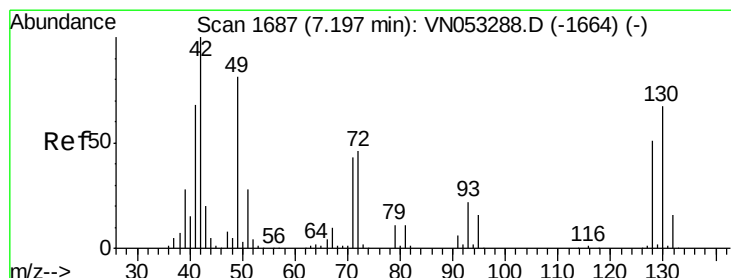
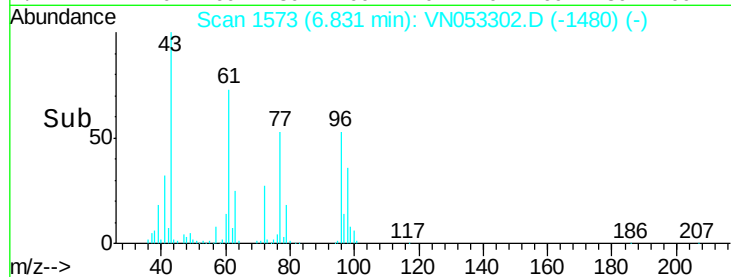
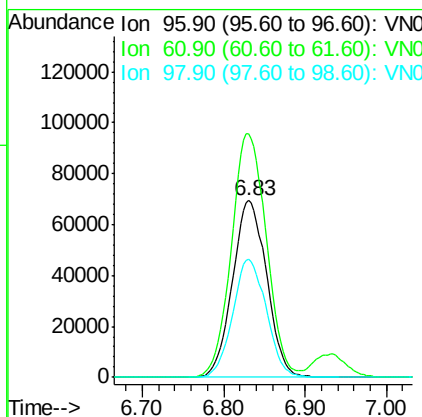
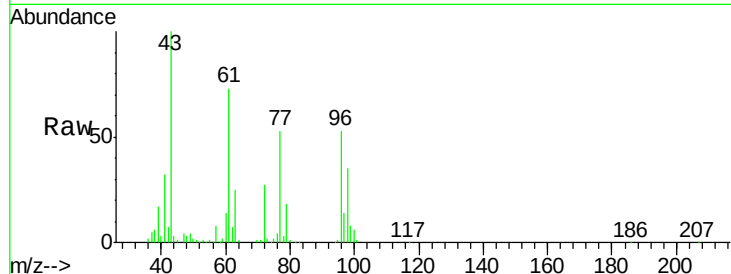
#27
 cis-1,2-Dichloroethene
 Concen: 20.073 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	202395		
61	140.6	0.0	280.6	
98	65.6	0.0	127.6	

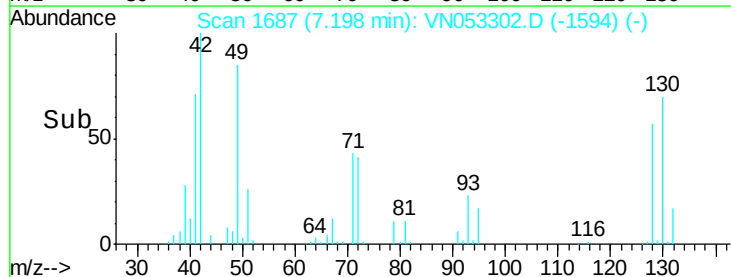
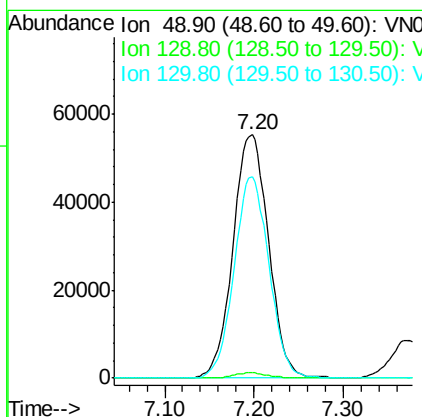
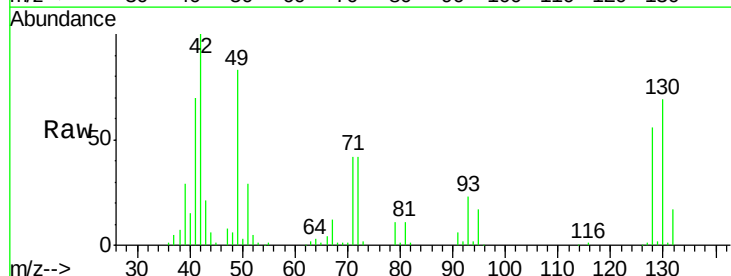
Manual Integrations
 APPROVED

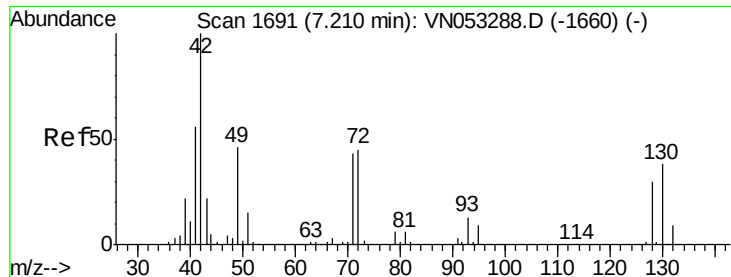
MMDadoda
 1/8/2019 9:25:17 AM



#28
 Bromochloromethane
 Concen: 21.807 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	153033		
129	2.0	0.0	3.8	
130	81.2	65.4	98.0	





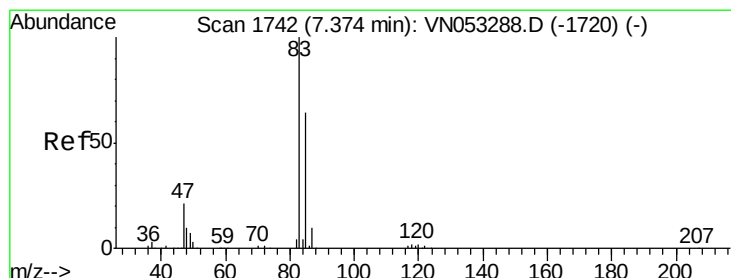
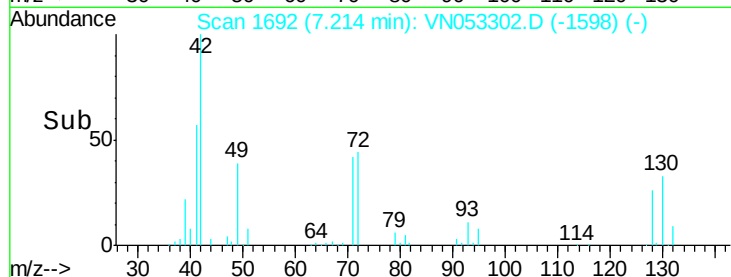
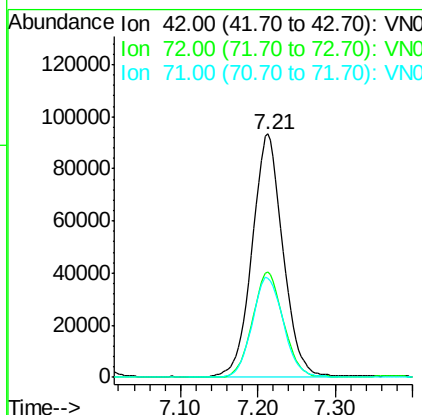
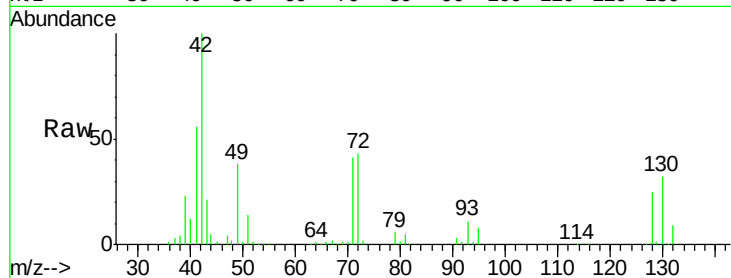
#29
Tetrahydrofuran
Concen: 105.181 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	35.6	53.4
71	41.6	33.8	50.8

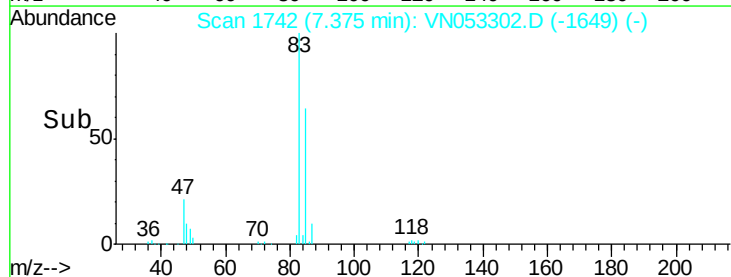
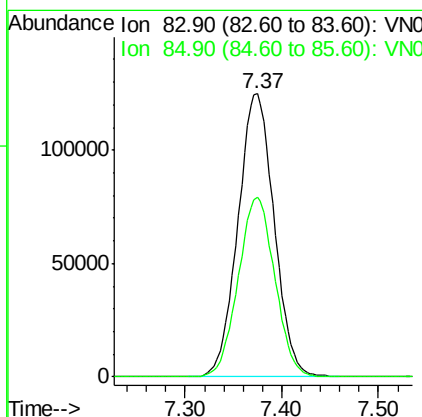
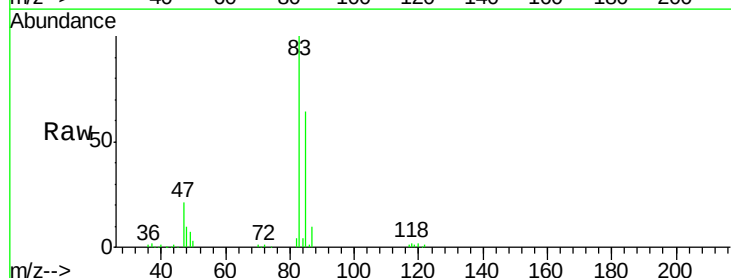
Manual Integrations
APPROVED

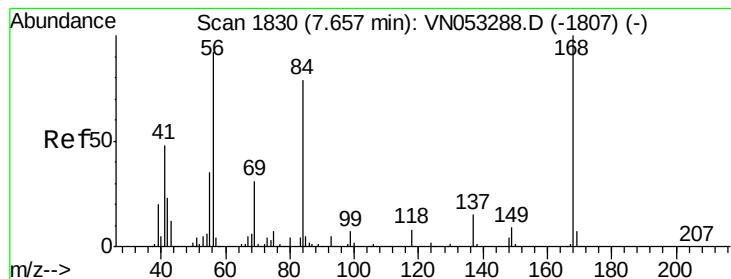
MMDadoda
1/8/2019 9:25:17 AM



#30
Chloroform
Concen: 20.051 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.3	76.9





#31

Cyclohexane

Concen: 20.290 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD01

Tot Ion: 56 Resp: 319326

Ion Ratio Lower Upper

56 100

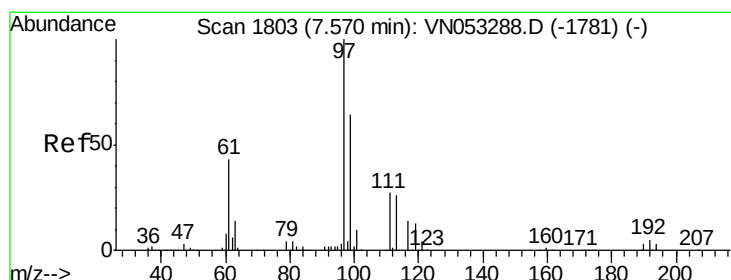
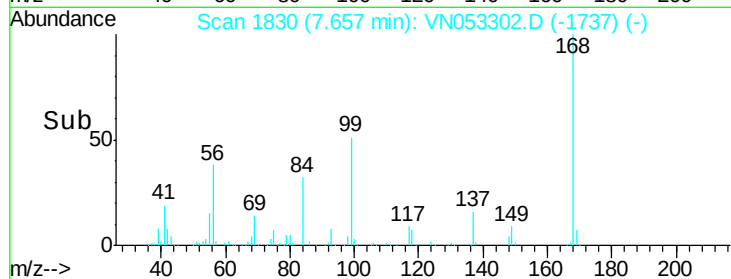
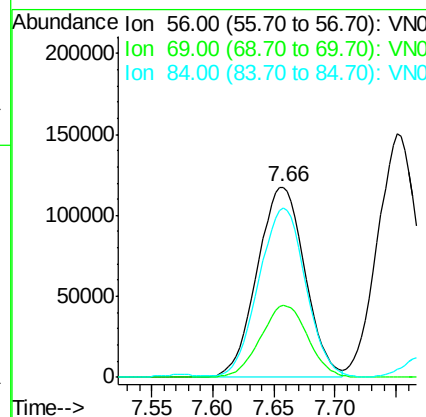
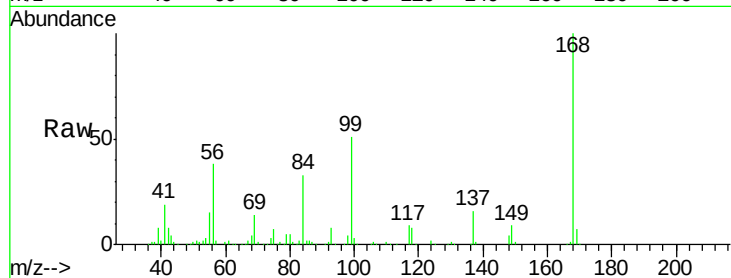
69 37.9 26.7 40.1

84 87.8 68.2 102.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.941 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

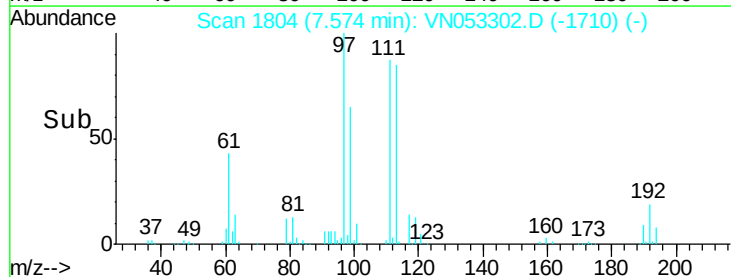
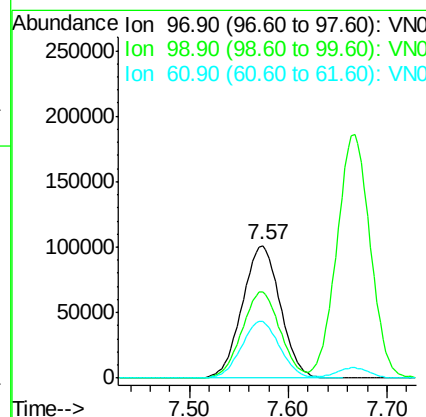
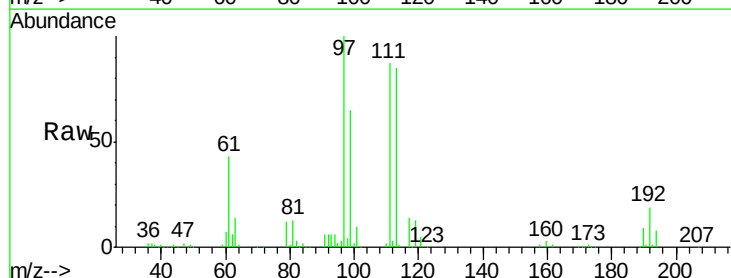
Tgt Ion: 97 Resp: 269342

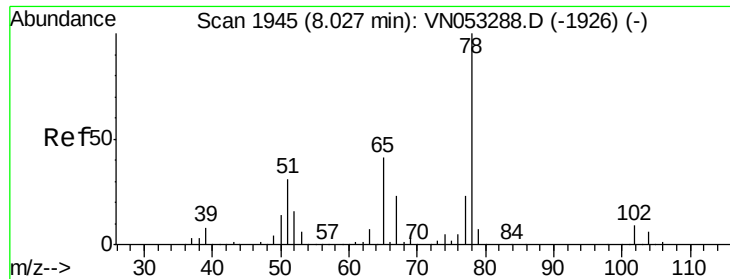
Ion Ratio Lower Upper

97 100

99 65.2 51.6 77.4

61 43.2 34.6 52.0





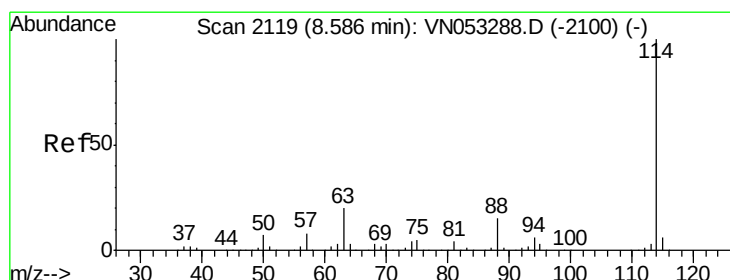
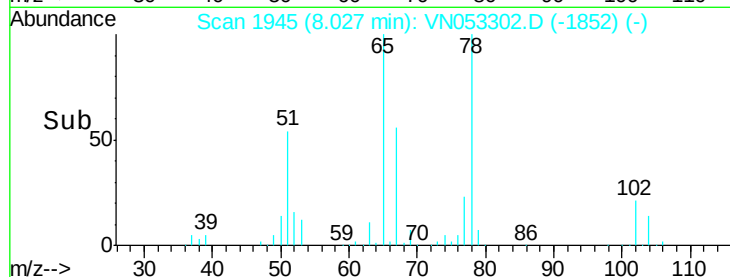
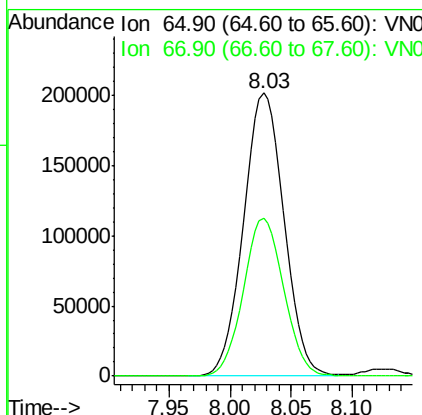
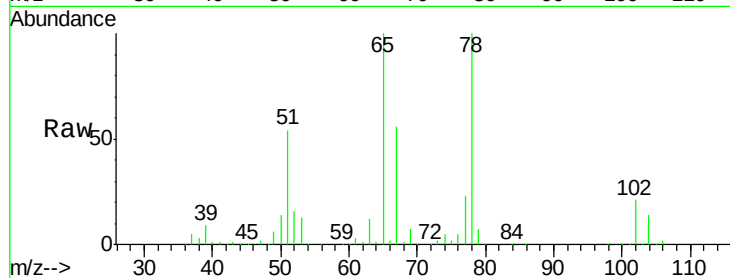
#33
 1,2-Dichloroethane-d4
 Concen: 19.941 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD01

Tot Ion: 65 Resp: 463251
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 111.0

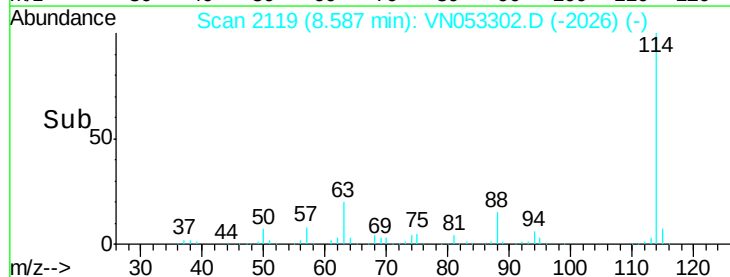
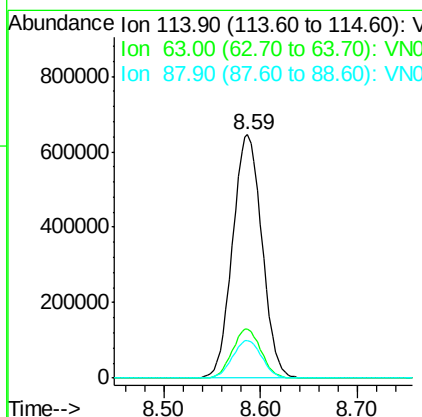
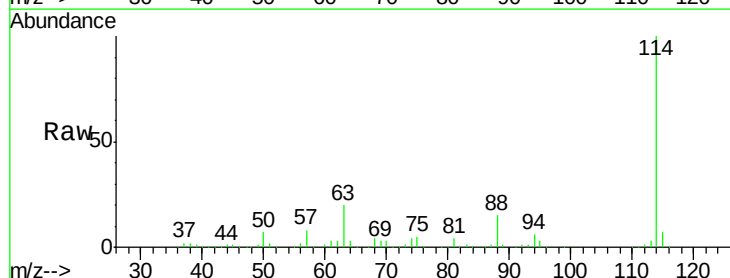
Manual Integrations
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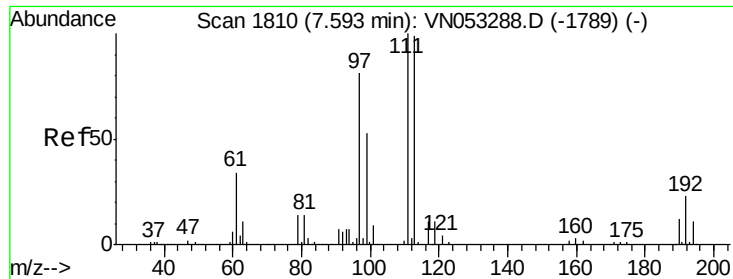
MMDadoda
 1/8/2019 9:25:17 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Tgt Ion: 114 Resp: 1359304
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.0
 88 15.4 0.0 30.8





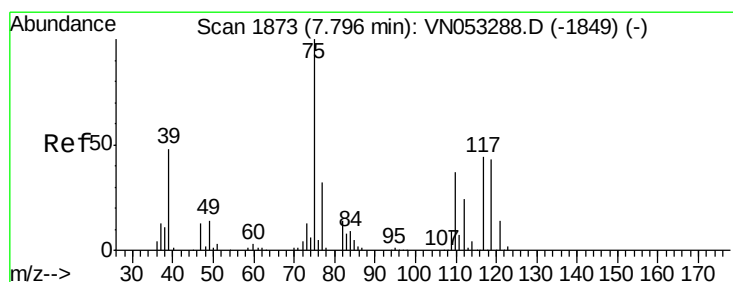
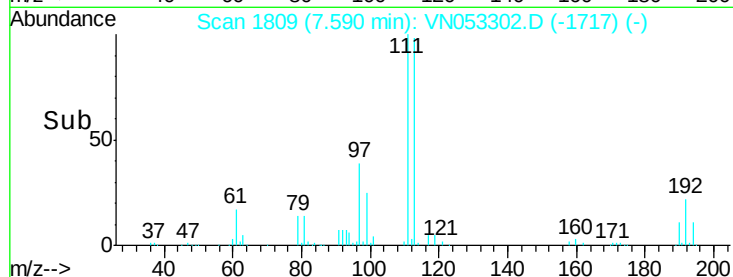
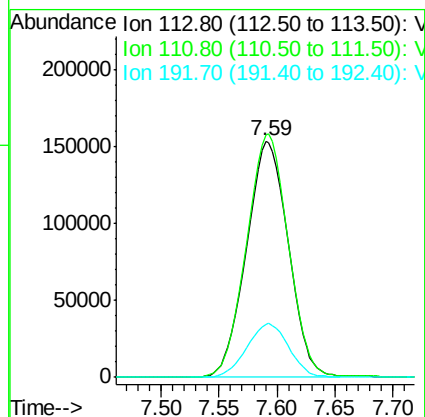
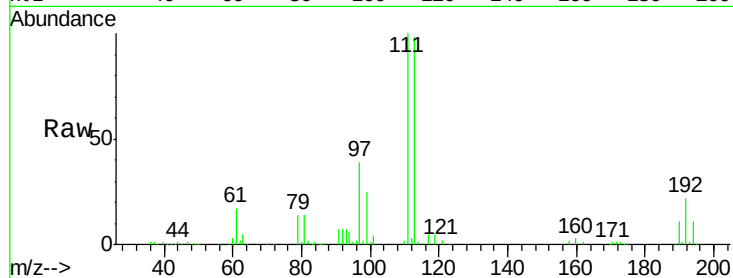
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	81.4	122.2	
192	22.8	17.9	26.9	

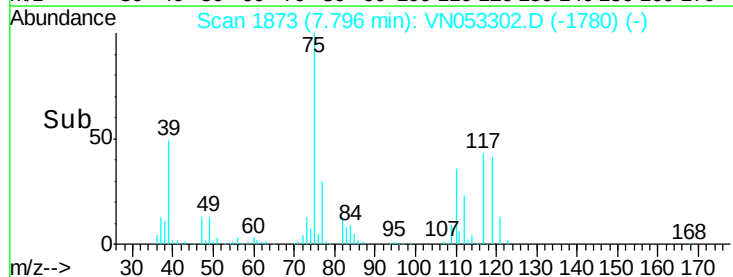
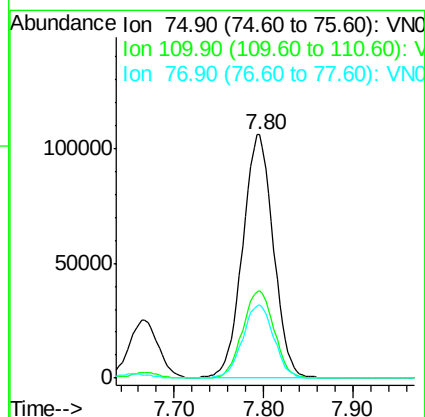
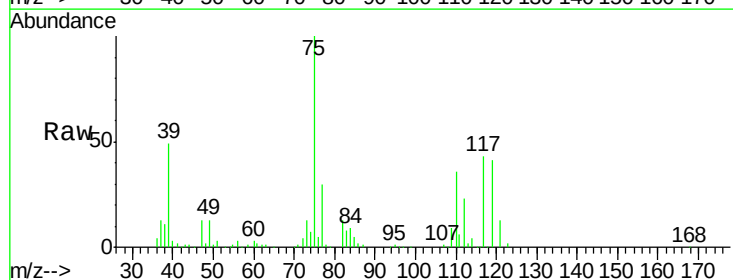
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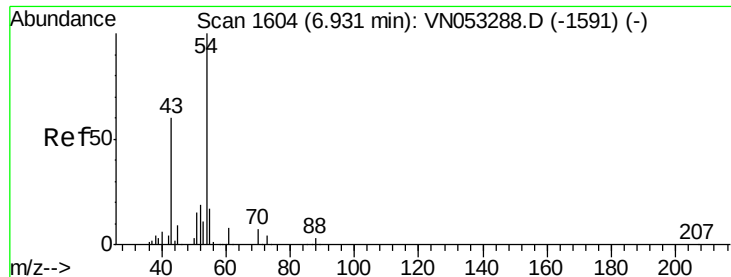
MMDadoda
1/8/2019 9:25:17 AM



#36
1,1-Dichloropropene
Concen: 20.007 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.5	18.4	55.0	
77	30.5	25.3	37.9	





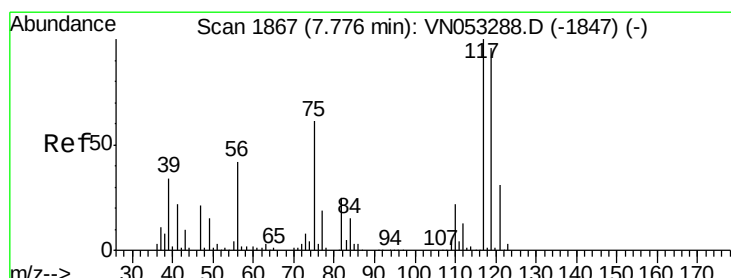
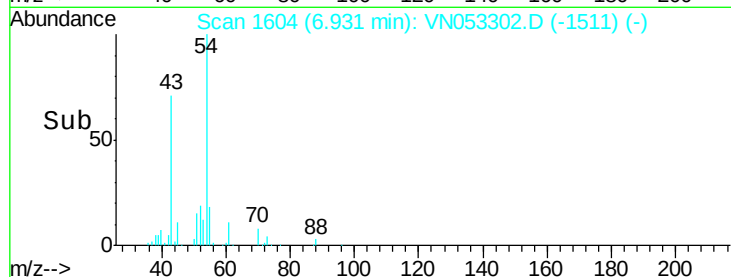
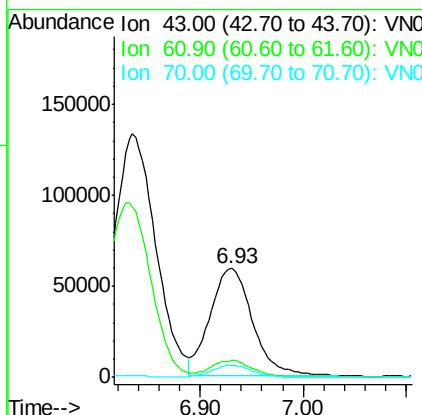
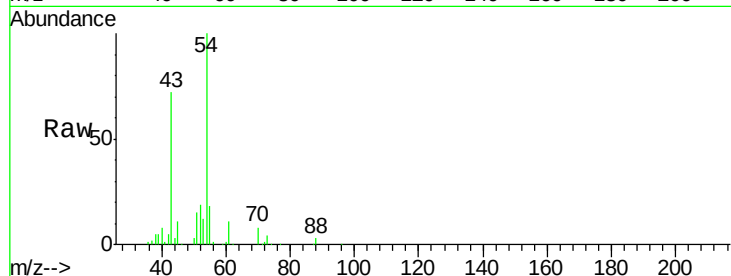
#37
Ethyl Acetate
Concen: 20.610 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Instrument :
MSVOA_N
ClientSampled :
VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.9	17.9
70	11.0	8.6	13.0

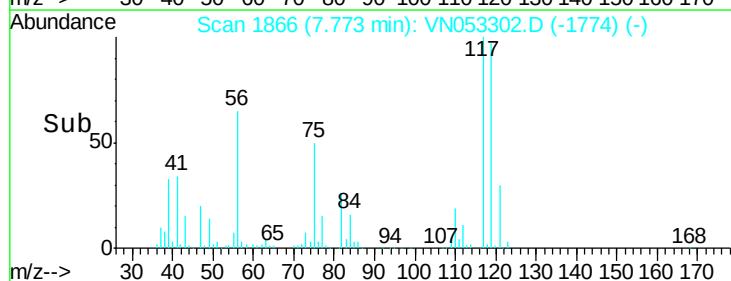
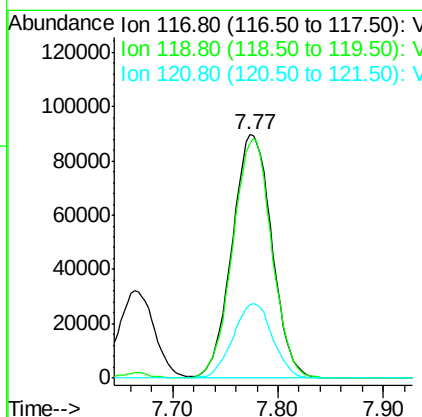
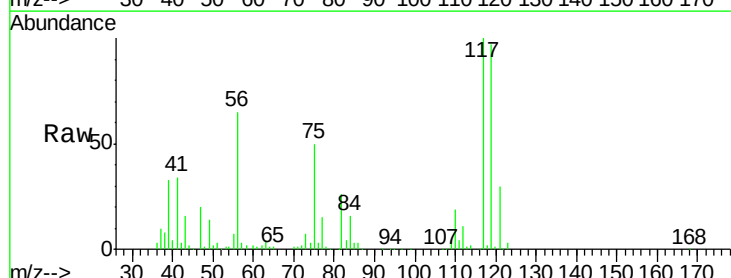
Manual Integrations
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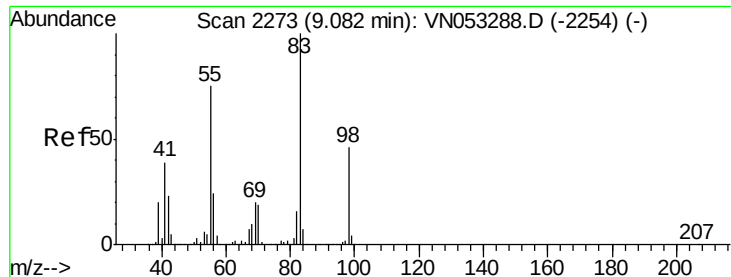
MMDadoda
1/8/2019 9:25:17 AM



#38
Carbon Tetrachloride
Concen: 20.027 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.6	115.0
121	30.0	25.0	37.4





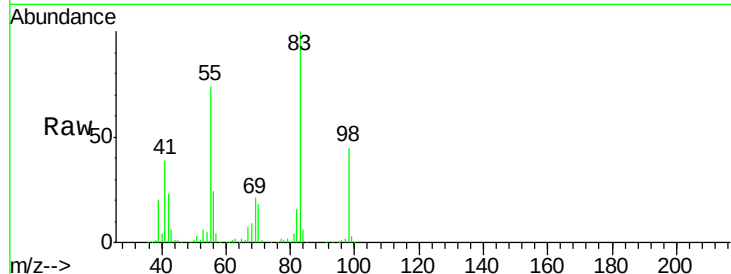
#39
Methylvlcyclohexane
Concen: 20.122 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	295821		
55	74.3		60.1	90.1
98	45.4		36.7	55.1

Manual Integrations
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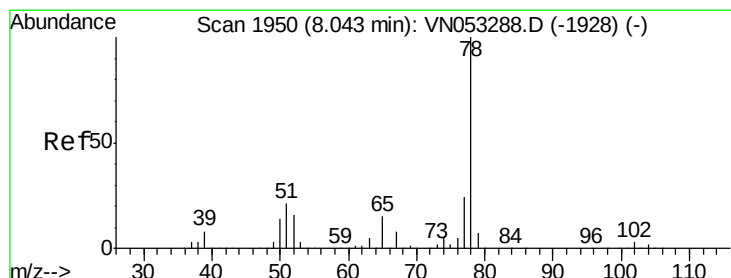
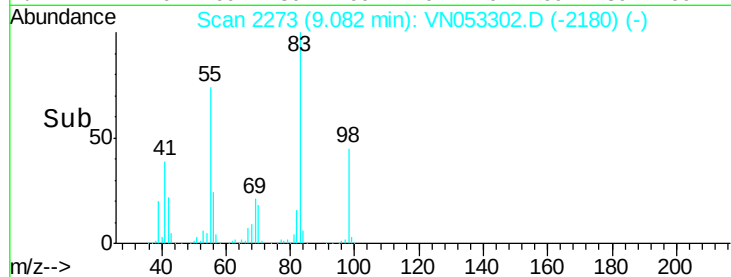
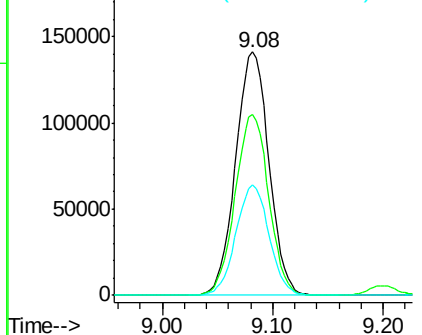
MMDadoda
1/8/2019 9:25:17 AM



Abundance Ion 83.00 (82.70 to 83.70): VN053302.D (-2180) (-)

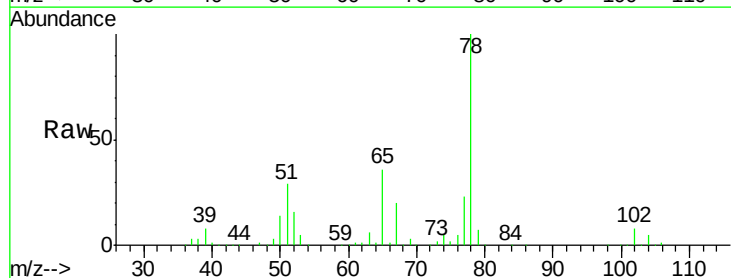
Ion 55.00 (54.70 to 55.70): VN053302.D (-2180) (-)

Ion 98.00 (97.70 to 98.70): VN053302.D (-2180) (-)



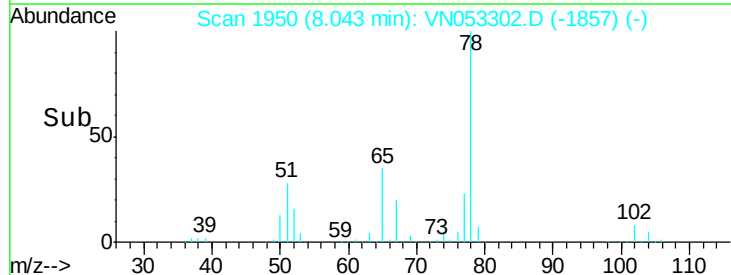
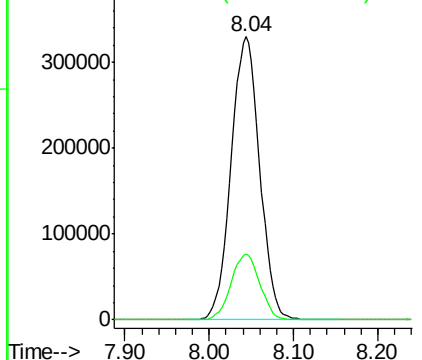
#40
Benzene
Concen: 20.073 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

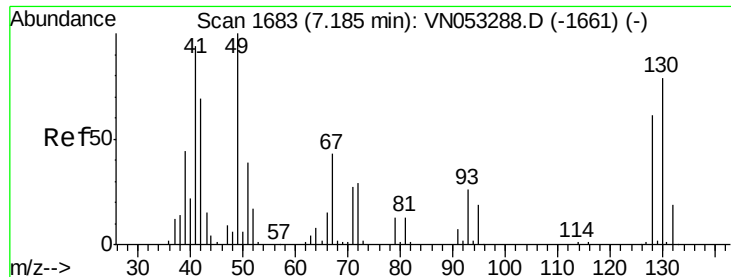
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	778106		
77	23.2		19.0	28.4



Abundance Ion 78.00 (77.70 to 78.70): VN053302.D (-1857) (-)

Ion 77.00 (76.70 to 77.70): VN053302.D (-1857) (-)





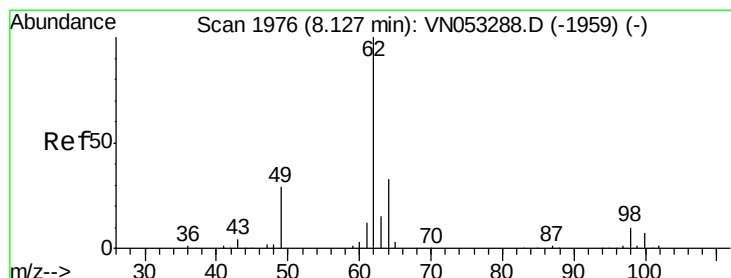
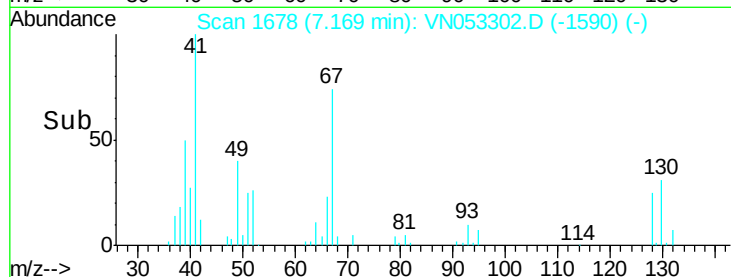
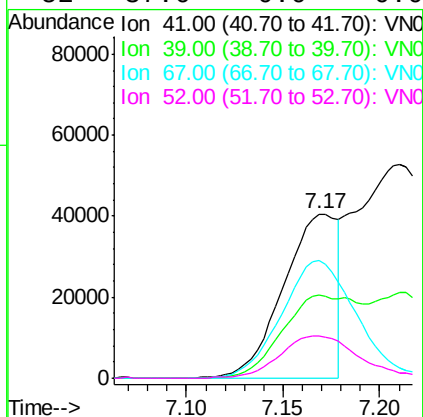
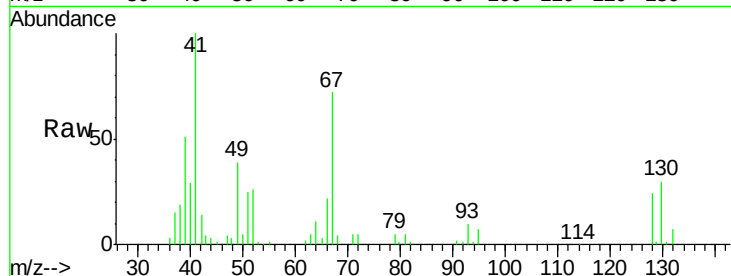
#41
Methacrylonitrile
Concen: 15.444 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.02 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	41	Resp	79253
Ion Ratio	Lower	Upper	
41	100		
39	69.7	0.0	0.0#
67	99.4	0.0	0.0#
52	37.6	0.0	0.0#

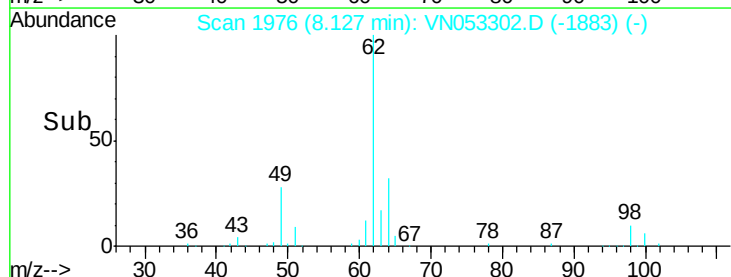
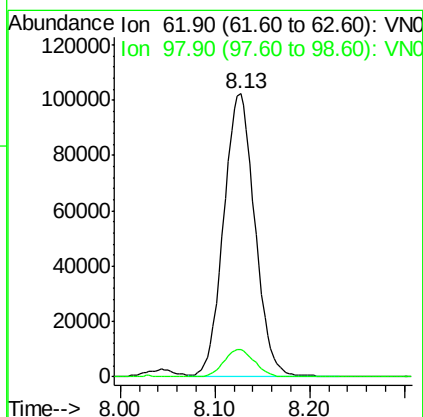
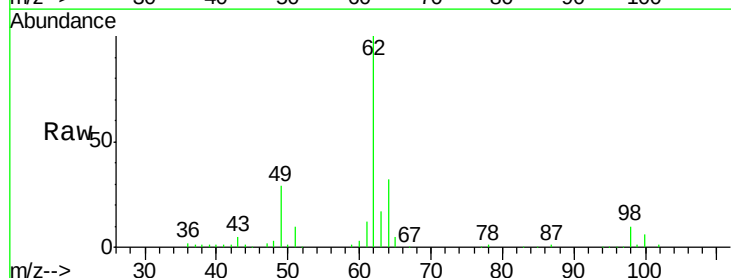
Manual Integrations
APPROVED

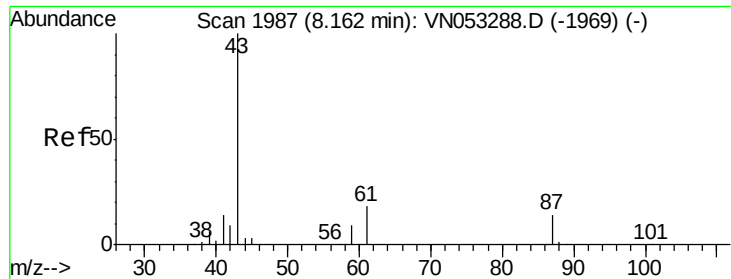
MMDadoda
1/8/2019 9:25:17 AM



#42
1,2-Dichloroethane
Concen: 20.321 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Tgt Ion	62	Resp	233650
Ion Ratio	Lower	Upper	
62	100		
98	9.5	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.334 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Instrument :

MSVOA_N

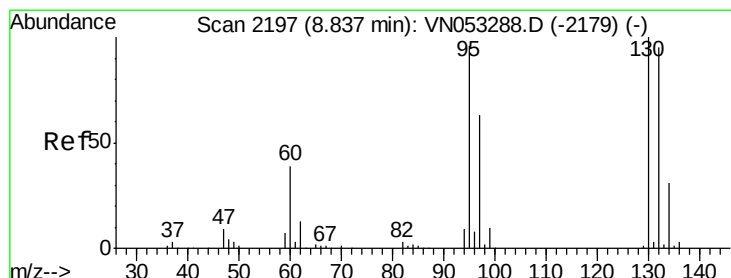
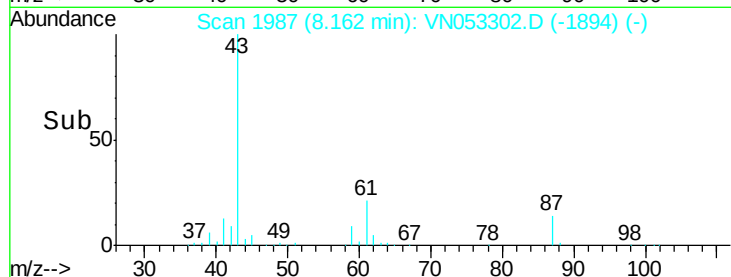
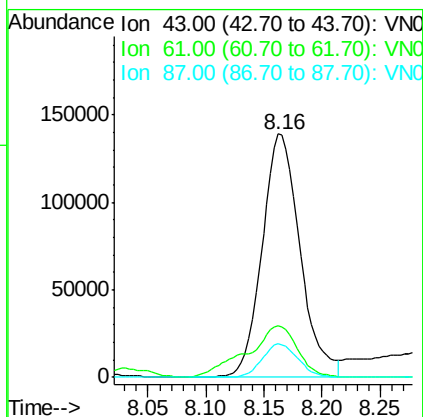
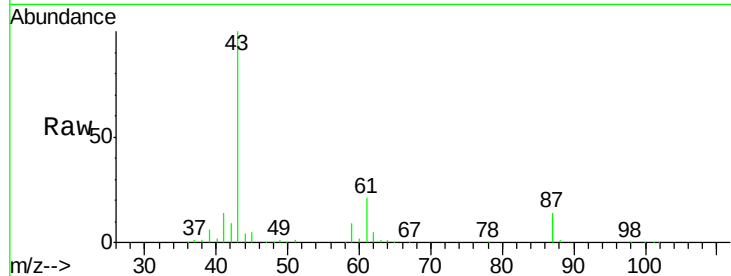
ClientSampleId :

VN1007WBSD01

Tot Ion:	43	Resp:	314378
Ion	Ratio	Lower	Upper
43	100		
61	27.7	23.3	34.9
87	13.2	10.8	16.2

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#44

Trichloroethene

Concen: 19.650 ug/l

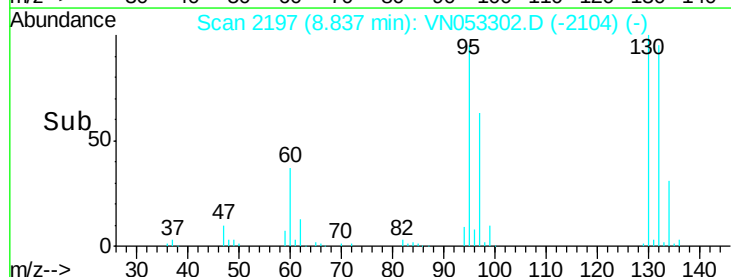
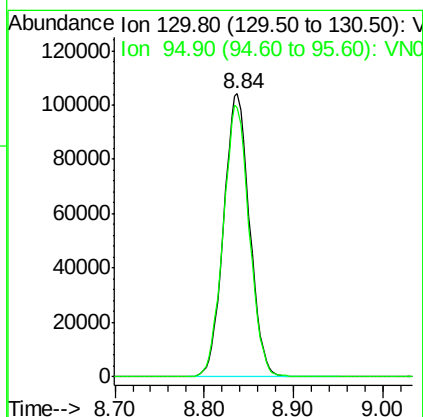
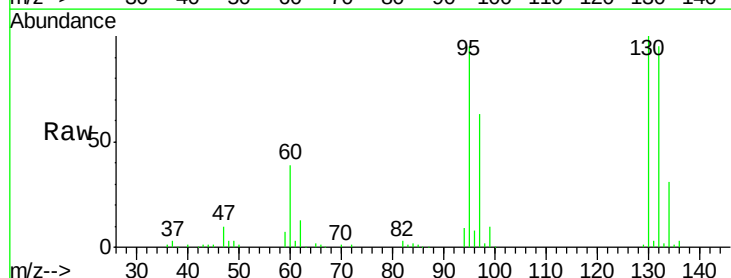
RT: 8.84 min Scan# 2197

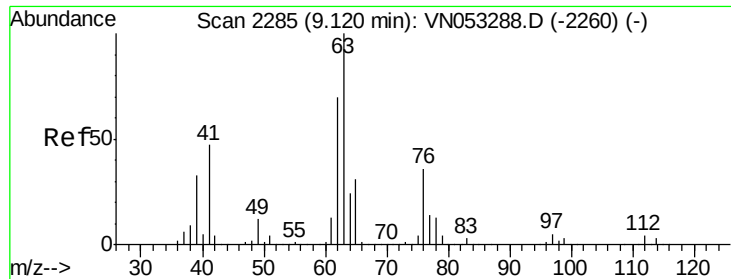
Delta R.T. 0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Tgt Ion:	130	Resp:	209153
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	191.8





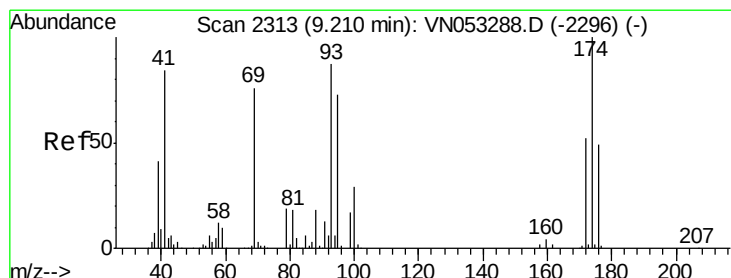
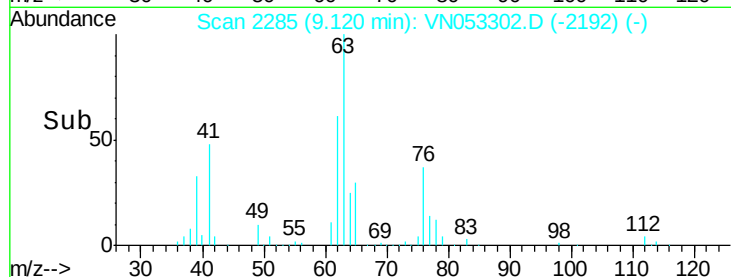
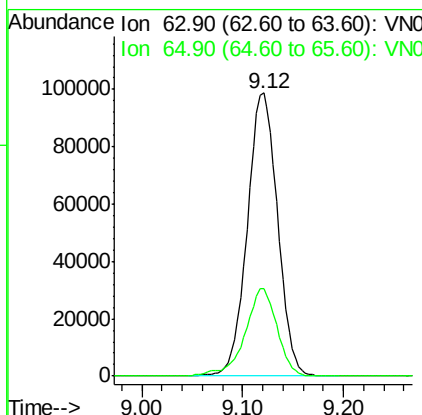
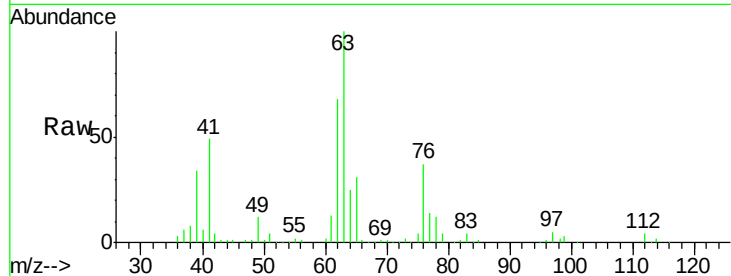
#45
 1,2-Dichloropropane
 Concen: 20.168 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Instrument :
 MSVOA_N
 ClientSampled :
 VN1007WBSD01

Tot Ion: 63 Resp: 205043
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.6

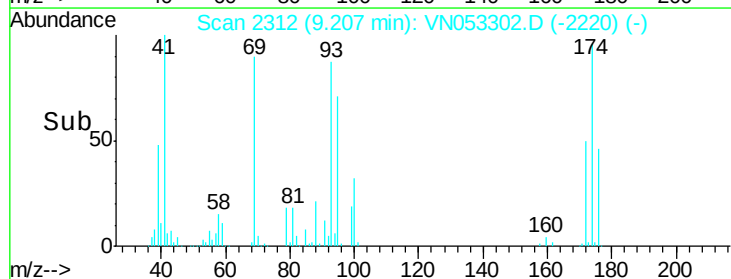
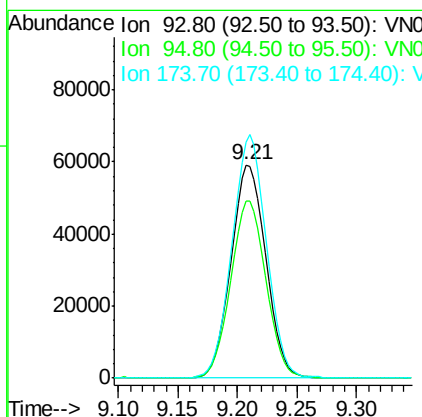
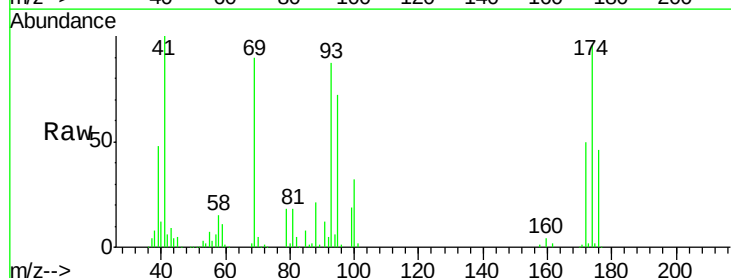
Manual Integrations
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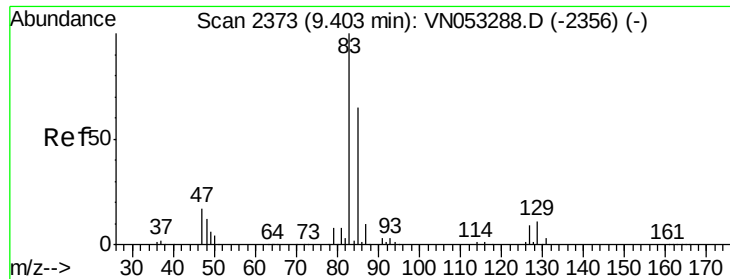
MMDadoda
 1/8/2019 9:25:17 AM



#46
 Dibromomethane
 Concen: 20.324 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Tgt Ion: 93 Resp: 120479
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.6 100.0
 174 112.5 91.4 137.0





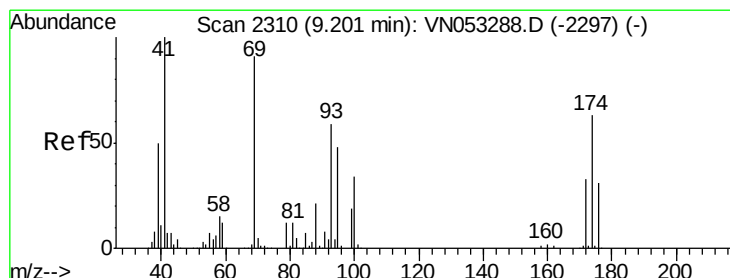
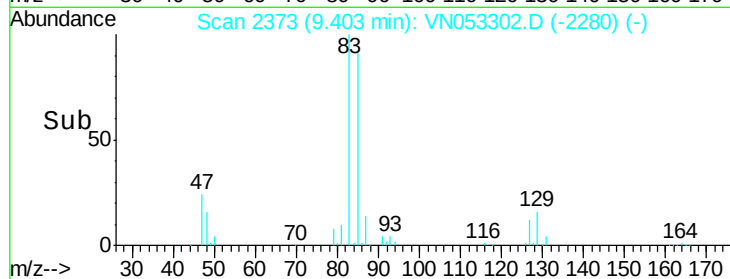
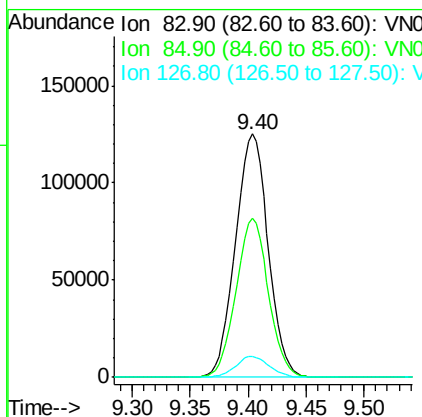
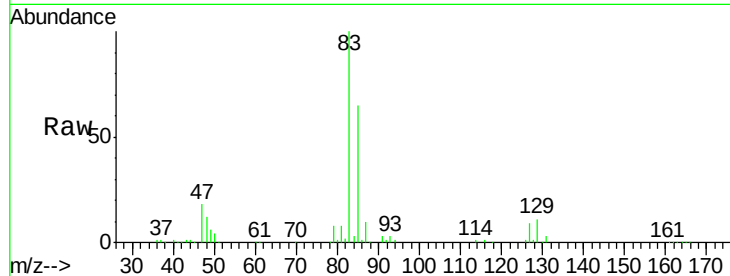
#47
Bromodichloromethane
Concen: 19.796 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	83	Resp	244546
Ion Ratio	100		
83	100		
85	65.4	51.7	77.5
127	8.7	7.0	10.6

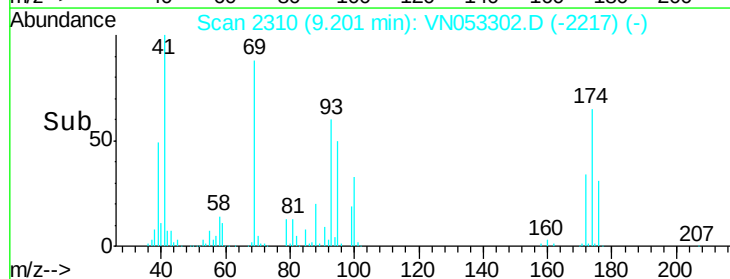
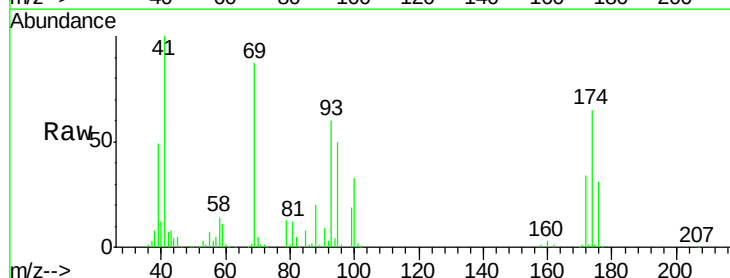
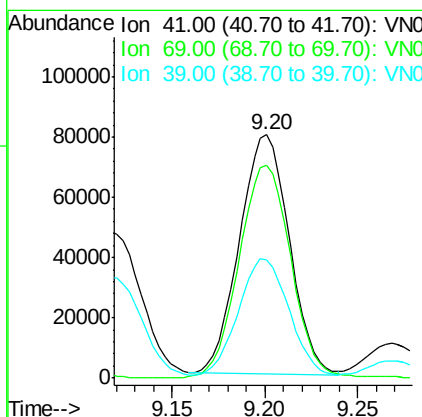
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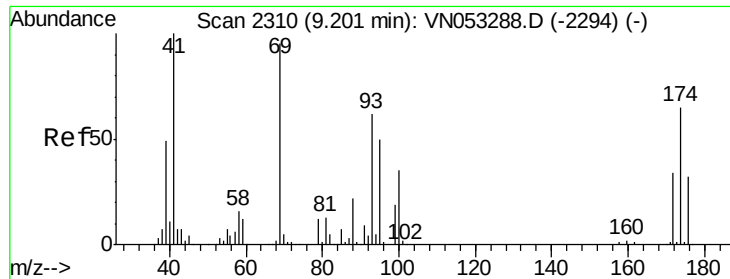
MMDadoda
1/8/2019 9:25:17 AM



#48
Methyl methacrylate
Concen: 20.007 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Tgt Ion	41	Resp	147803
Ion Ratio	100		
41	100		
69	93.3	73.5	110.3
39	52.2	41.6	62.4





#49

1,4-Dioxane

Concen: 442.749 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Instrument :

MSVOA_N

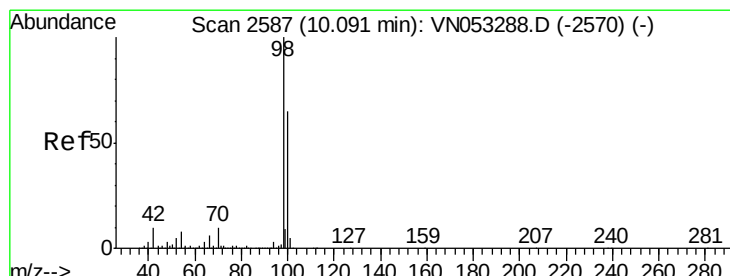
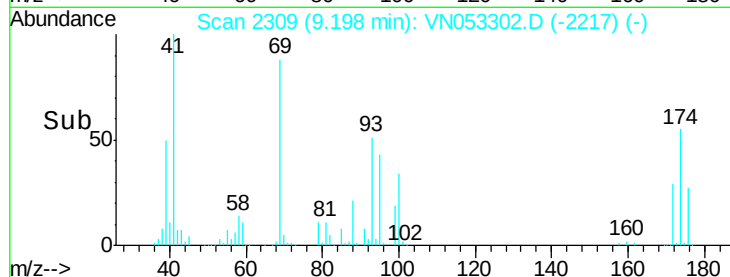
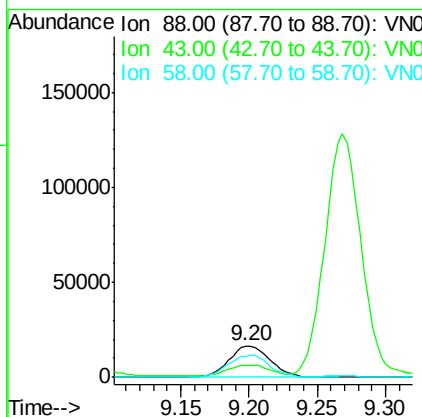
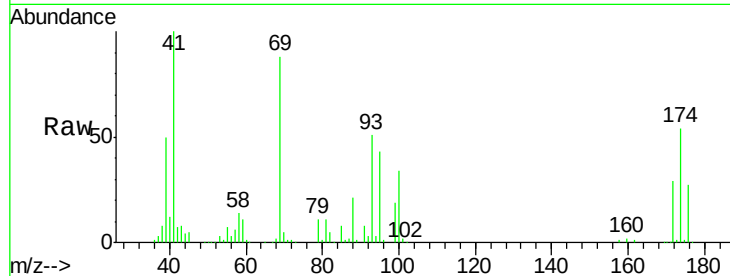
ClientSampleId :

VN1007WBSD01

Tot Ion:	88	Resp:	34848
Ion	Ratio	Lower	Upper
88	100		
43	31.1	26.2	39.4
58	70.7	55.5	83.3

Manual Integrations
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#50

Toluene-d8

Concen: 442.749 ug/l

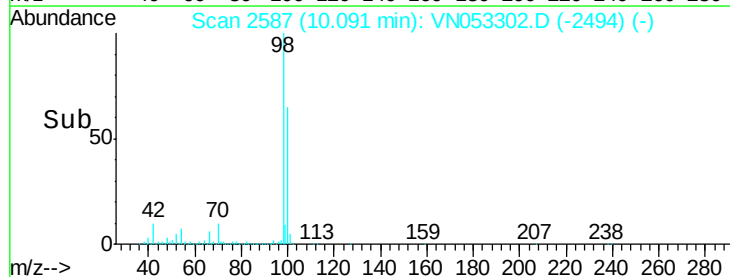
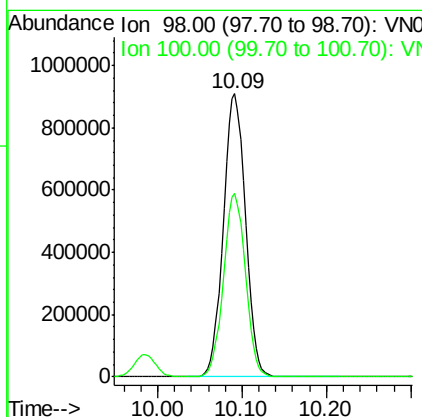
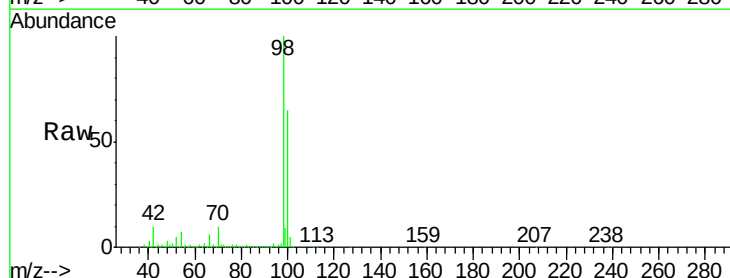
RT: 10.09 min Scan# 2587

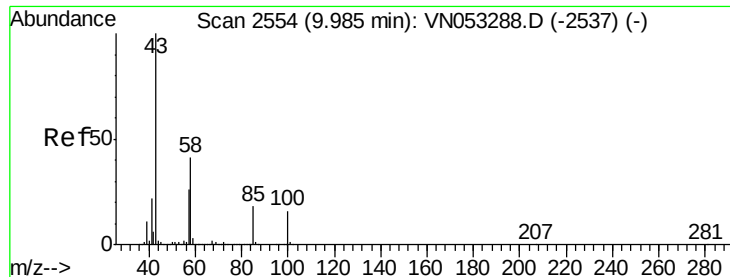
Delta R.T. 0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Tgt Ion:	98	Resp:	1655450
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 104.357 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Instrument :

MSVOA_N

ClientSampled :

VN1007WBSD01

Tot Ion: 43 Resp: 853355

Ion Ratio Lower Upper

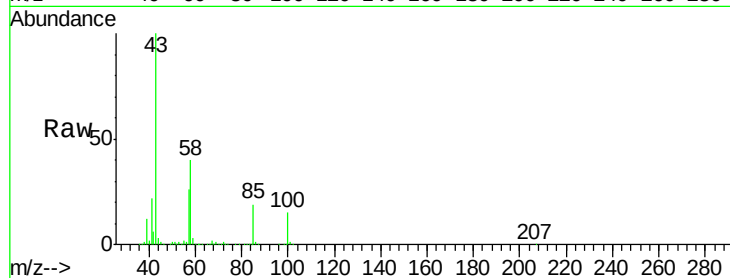
43 100

58 40.2 32.7 49.1

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Abundance Ion 43.00 (42.70 to 43.70): VN053302.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN053302.D (-2461) (-)

9.98

400000

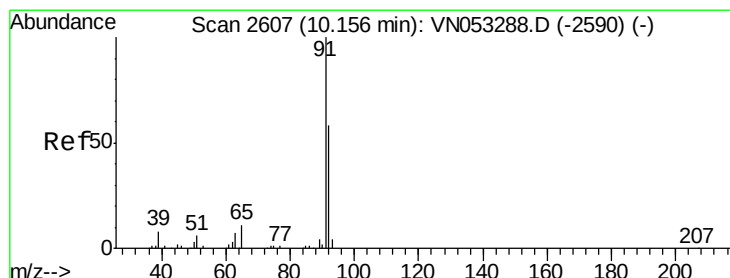
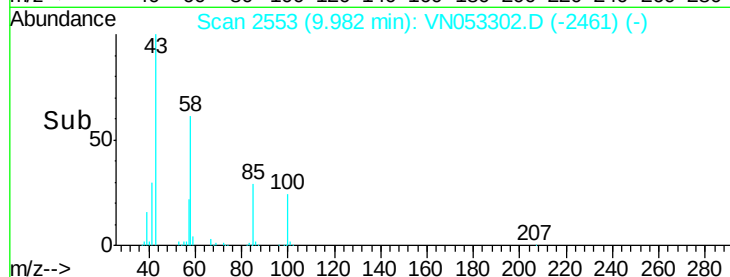
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.102 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053302.D

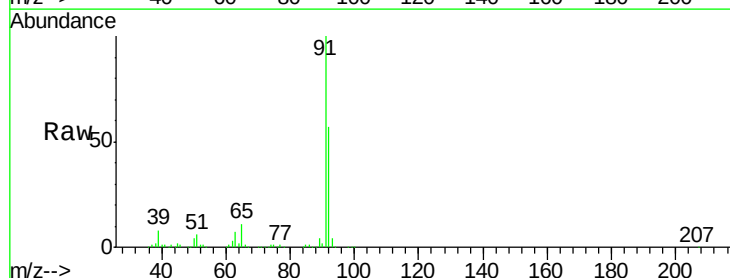
Acq: 7 Jan 2019 14:07

Tgt Ion: 92 Resp: 478043

Ion Ratio Lower Upper

92 100

91 176.0 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN053302.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN053302.D (-2514) (-)

10.16

400000

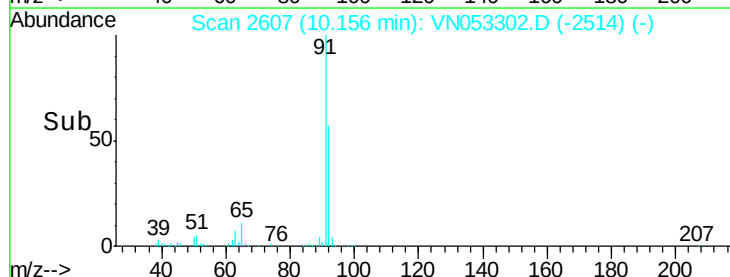
300000

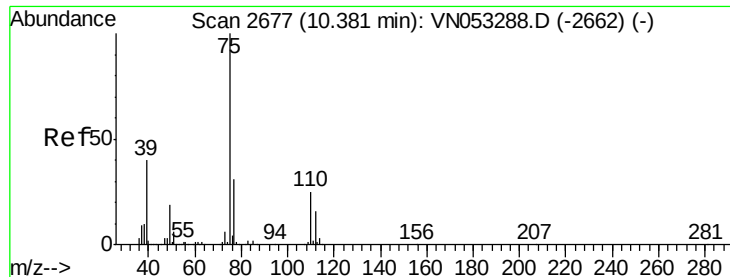
200000

100000

0

Time-->





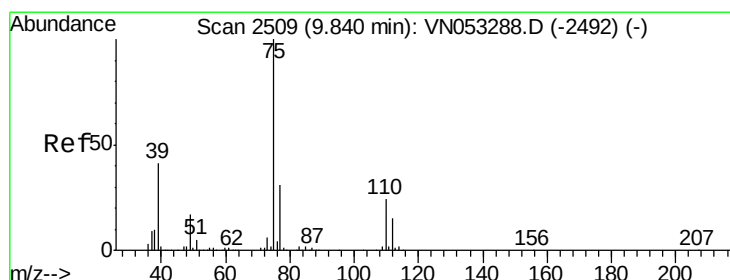
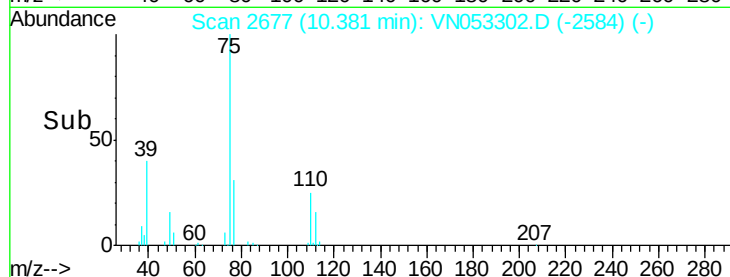
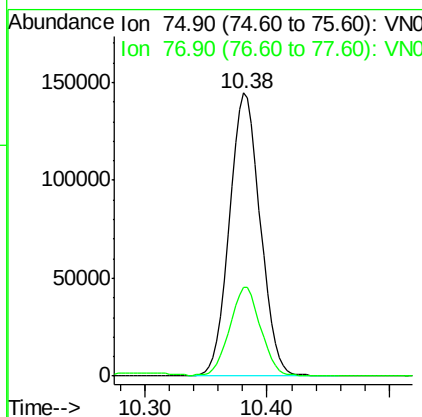
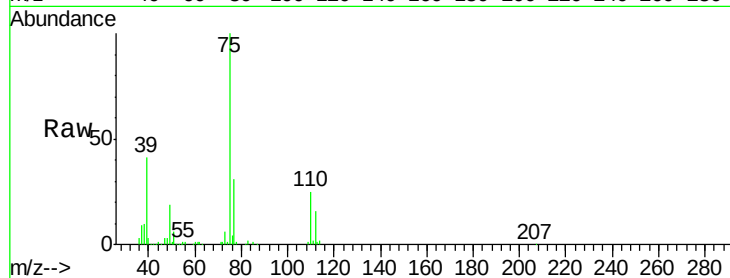
#53
t-1,3-Dichloropropene
Concen: 20.140 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4

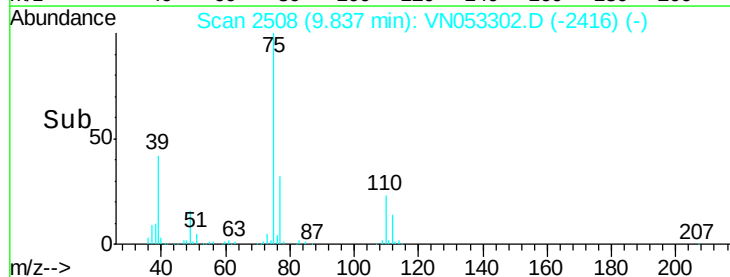
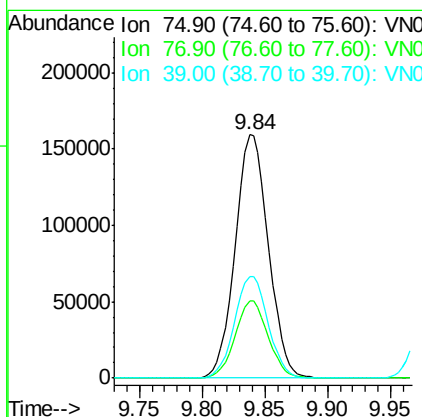
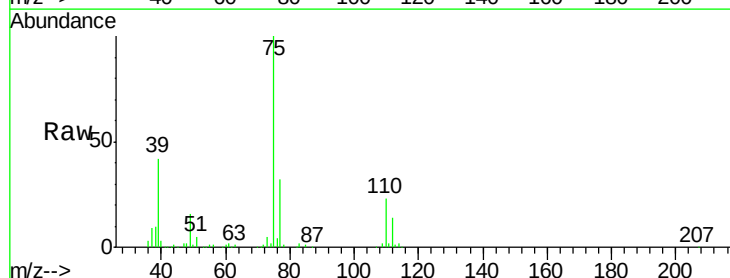
Manual Integrations
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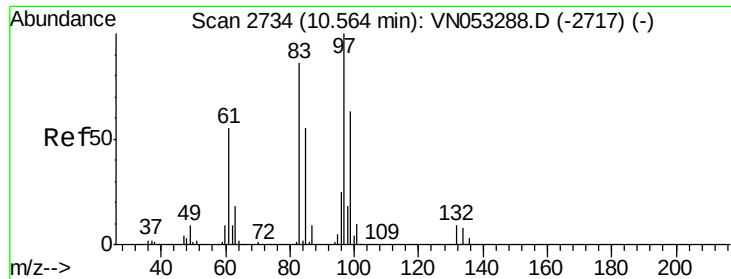
MMDadoda
1/8/2019 9:25:17 AM



#54
cis-1,3-Dichloropropene
Concen: 20.048 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.1	37.7
39	41.6	33.1	49.7





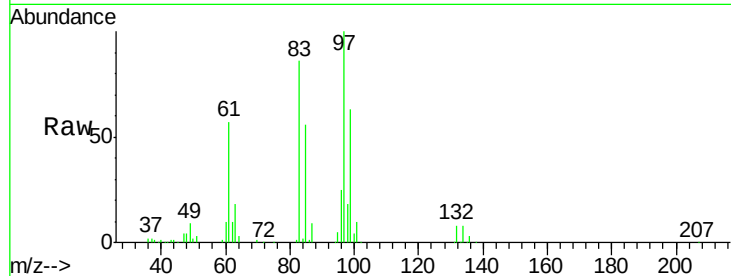
#55
 1,1,2-Trichloroethane
 Concen: 19.781 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Instrument :
 MSVOA_N
 ClientSampled :
 VN1007WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	85.8	69.1	103.7	
85	56.4	44.2	66.4	
99	62.6	50.3	75.5	

Manual Integrations
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MMDadoda
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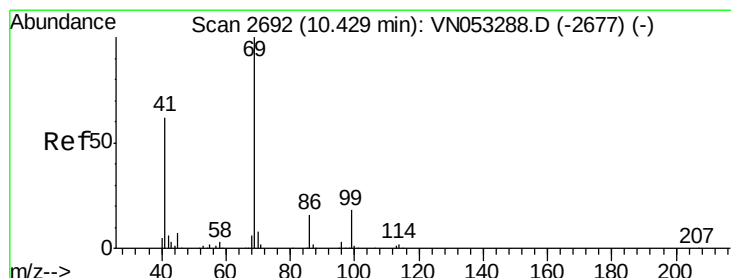
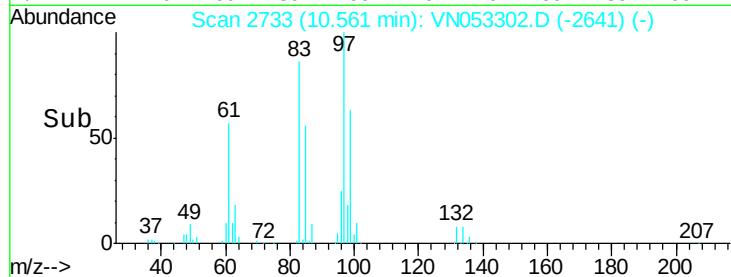
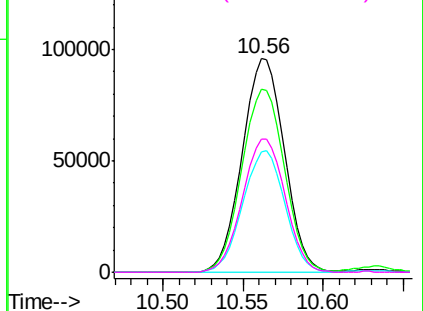


Abundance Ion 96.90 (96.60 to 97.60): VN053302.D (-2641) (-)

Ion 82.90 (82.60 to 83.60): VN053302.D (-2641) (-)

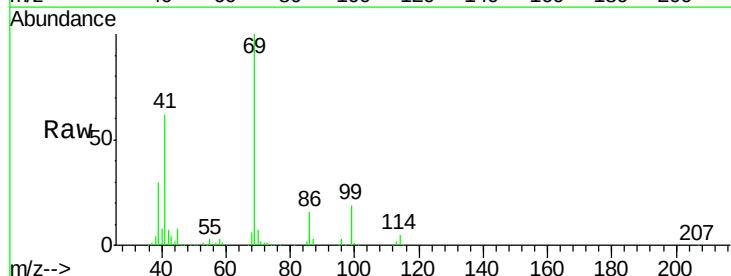
Ion 84.90 (84.60 to 85.60): VN053302.D (-2641) (-)

Ion 98.90 (98.60 to 99.60): VN053302.D (-2641) (-)



#56
 Ethyl methacrylate
 Concen: 20.504 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

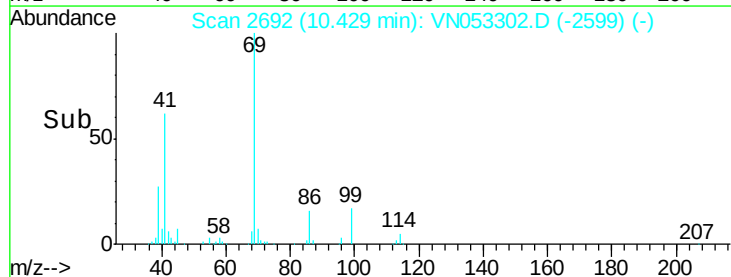
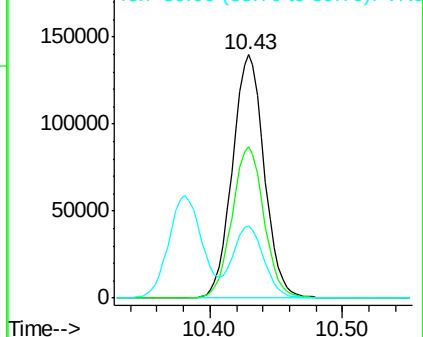
Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	62.0	49.2	73.8	
39	29.1	23.4	35.0	

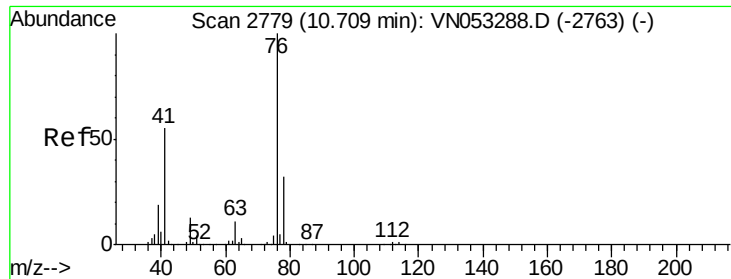


Abundance Ion 69.00 (68.70 to 69.70): VN053302.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN053302.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN053302.D (-2599) (-)





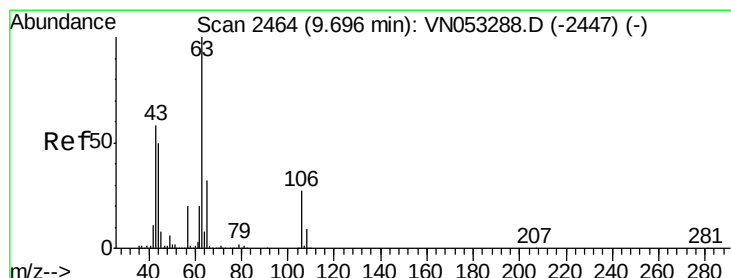
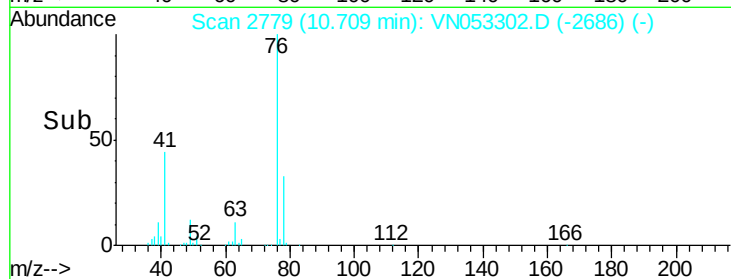
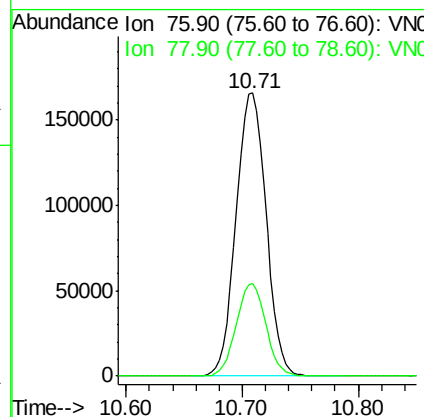
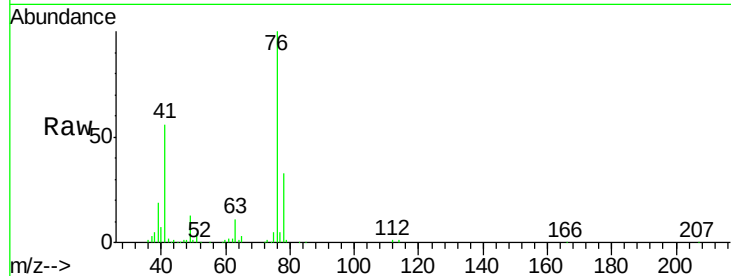
#57
 1,3-Dichloropropane
 Concen: 20.398 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

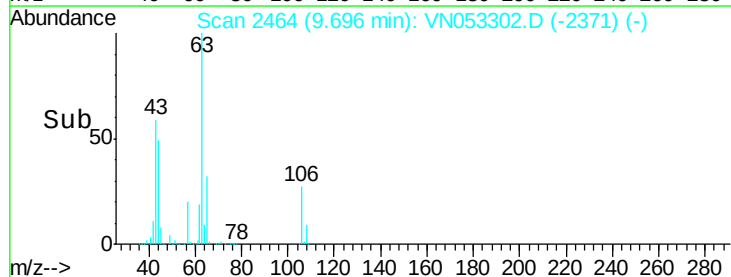
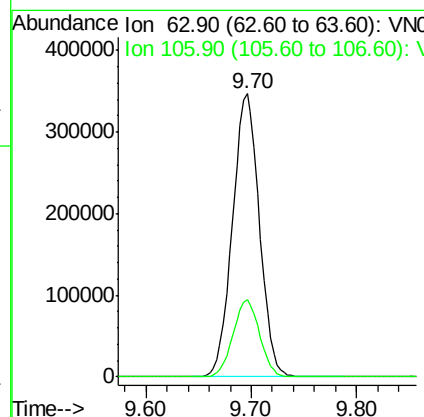
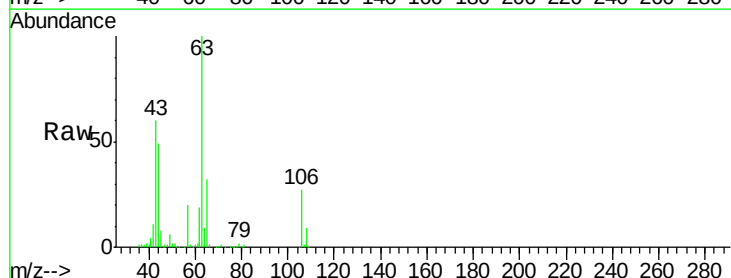
Manual Integrations
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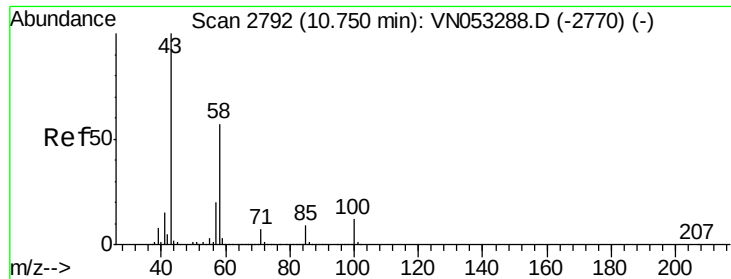
MMDadoda
 1/8/2019 9:25:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.427 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.7	32.5





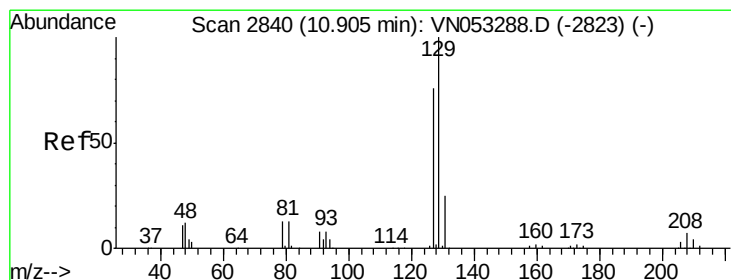
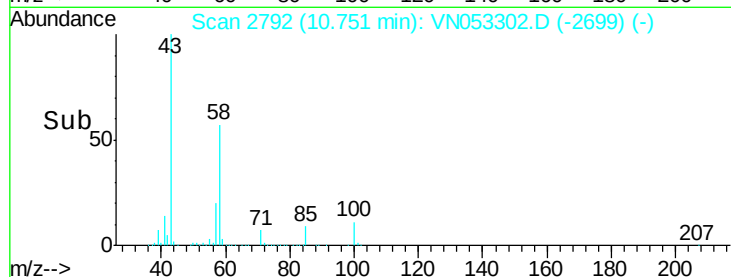
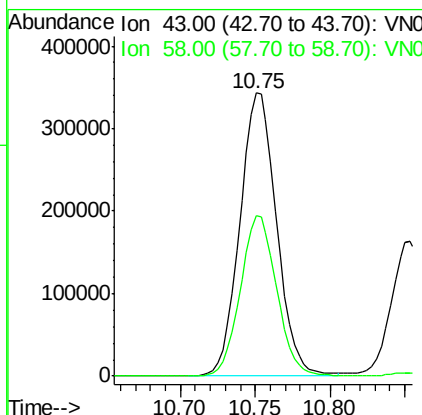
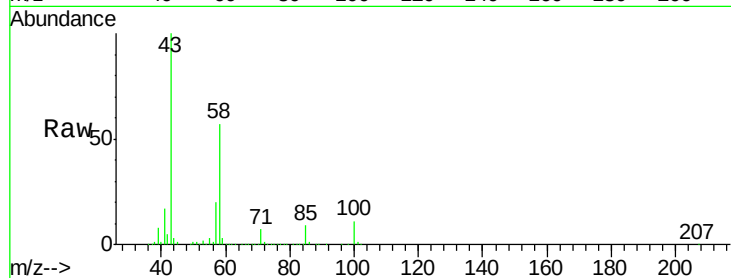
#59
2-Hexanone
Concen: 104.337 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	43	Resp	584574
Ion Ratio	100	Lower	Upper
43	100		
58	56.2	28.3	85.0

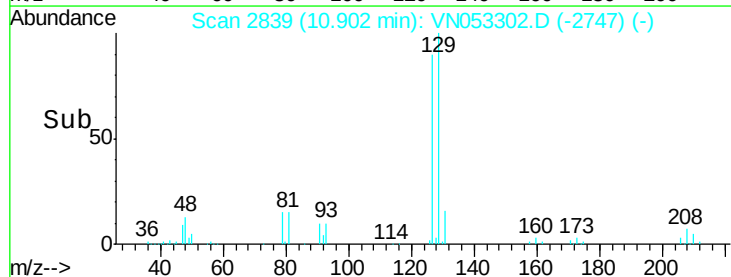
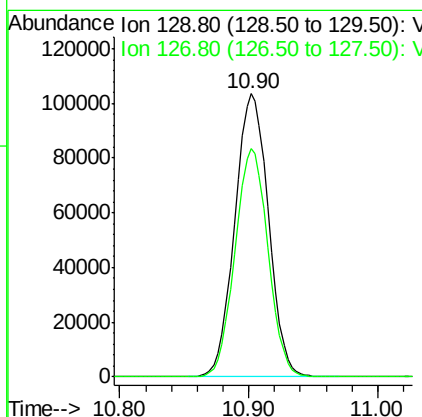
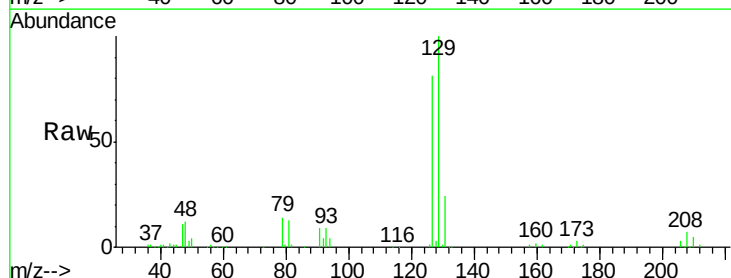
Manual Integrations
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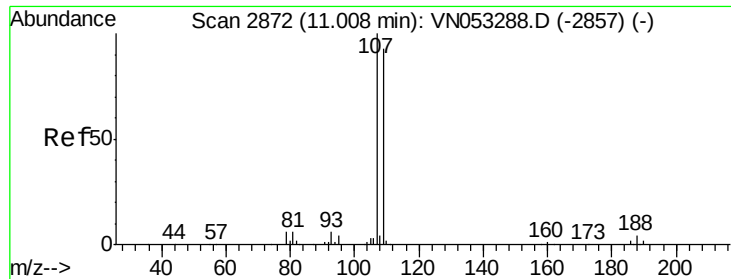
MMDadoda
1/8/2019 9:25:17 AM



#60
Dibromochloromethane
Concen: 19.909 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Tgt Ion	129	Resp	187767
Ion Ratio	100	Lower	Upper
129	100		
127	79.0	38.4	115.2





#61

1,2-Dibromoethane

Concen: 20.115 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD01

Tot Ion:107 Resp: 173570

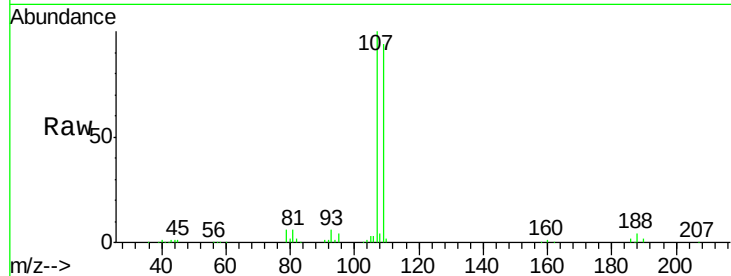
Ion Ratio Lower Upper

107 100

109 95.3 75.0 112.6

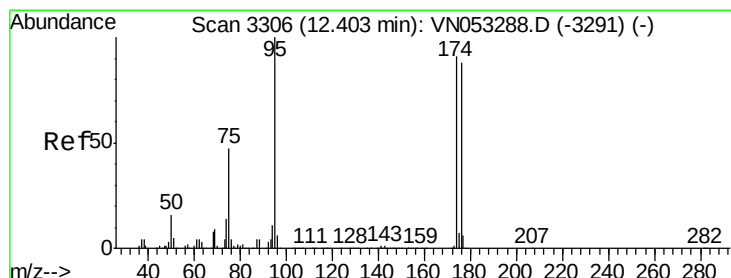
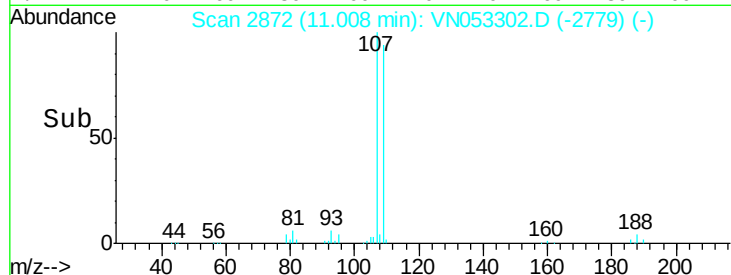
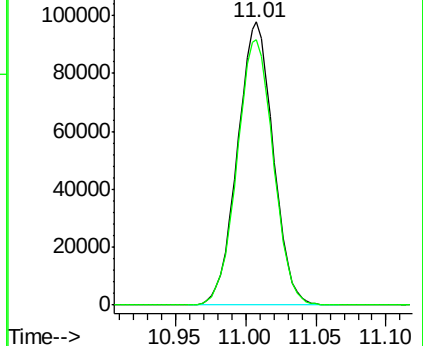
Manual Integrations
APPROVED

MMDadoda
1/8/2019 9:25:17 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 20.115 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

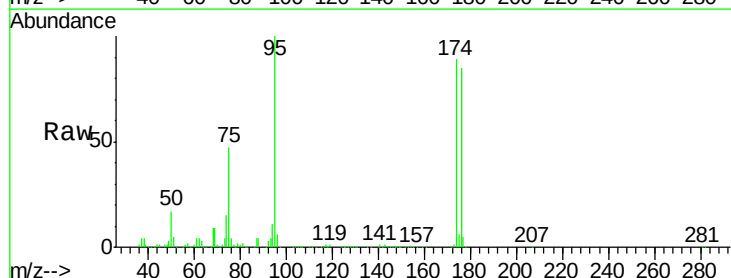
Tgt Ion: 95 Resp: 585772

Ion Ratio Lower Upper

95 100

174 89.8 0.0 180.4

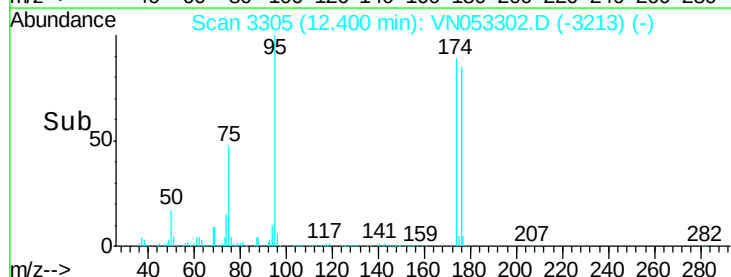
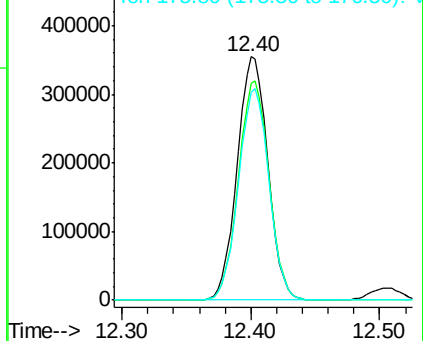
176 86.6 0.0 175.6

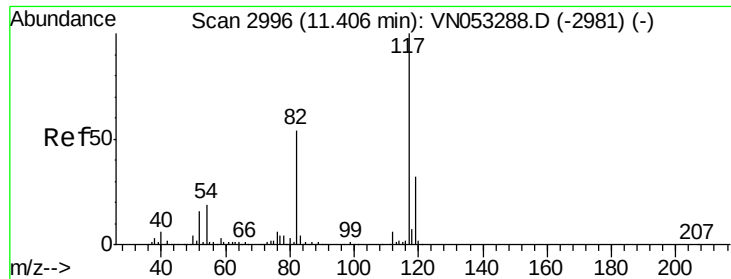


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





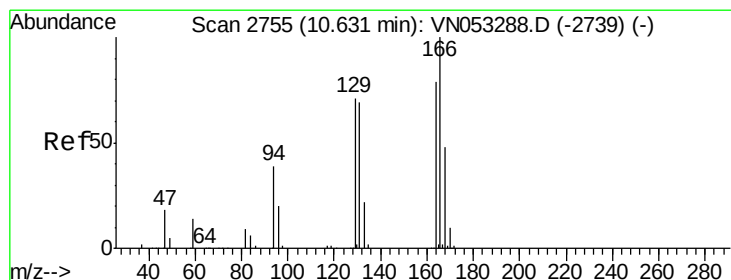
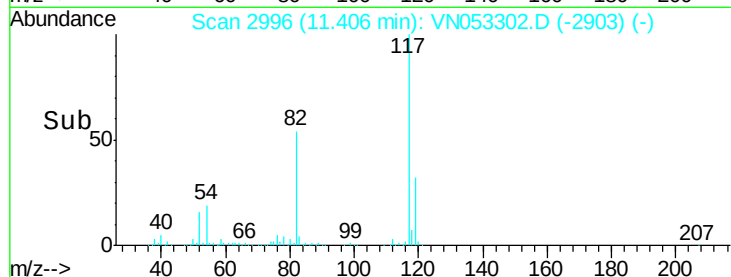
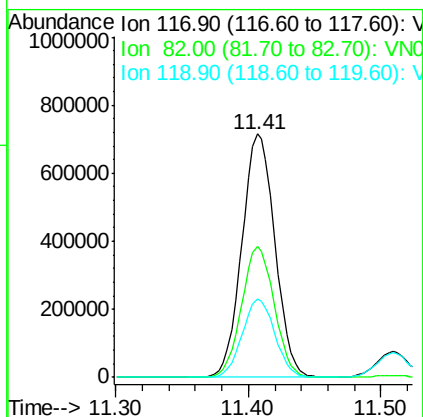
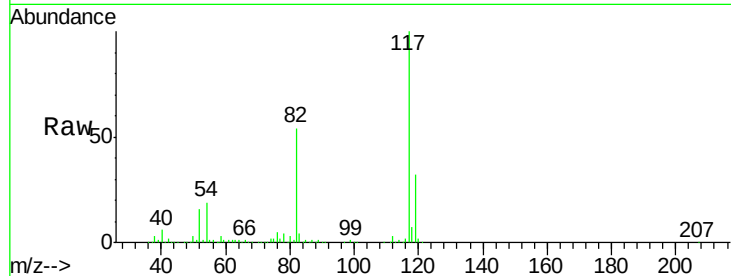
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.9	64.3
119	32.1	25.6	38.4

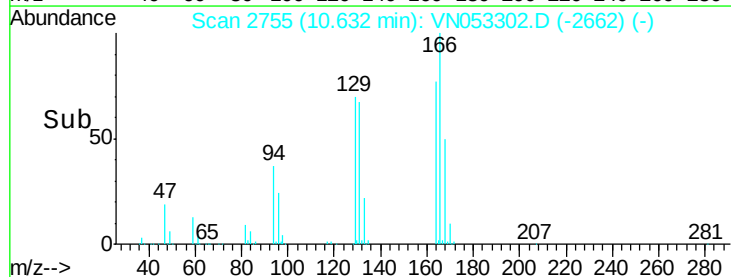
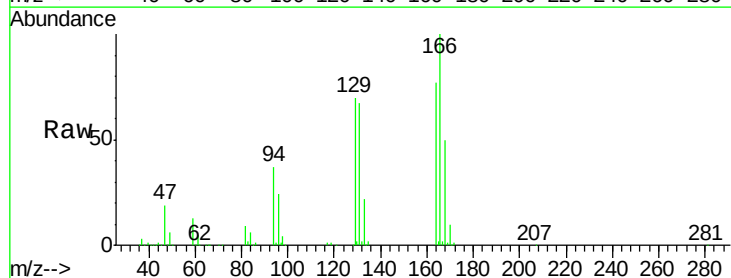
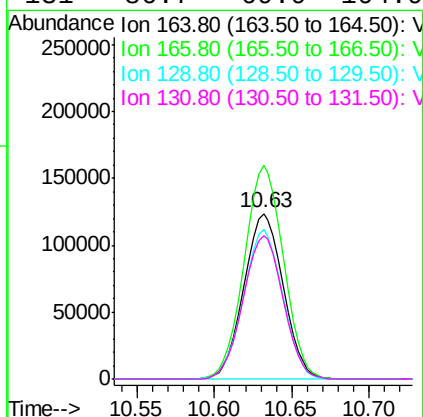
Manual Integrations
APPROVED

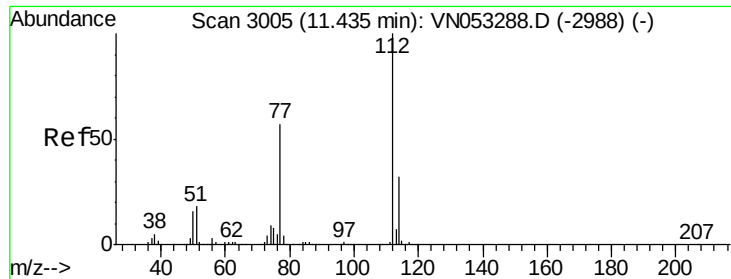
MMDadoda
1/8/2019 9:25:17 AM



#64
Tetrachloroethene
Concen: 18.871 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	101.7	152.5
129	90.4	72.1	108.1
131	86.7	69.9	104.9





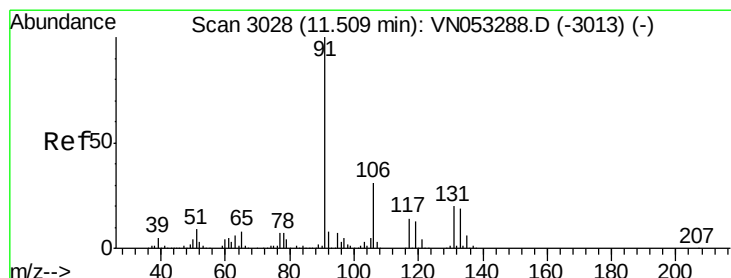
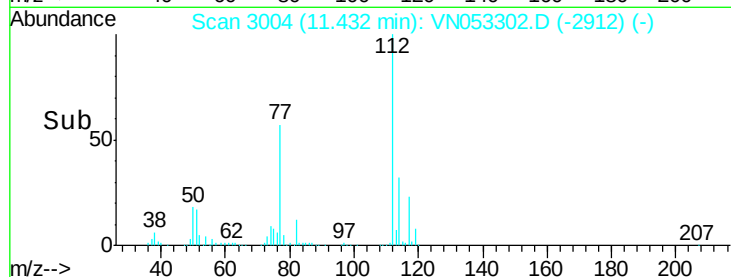
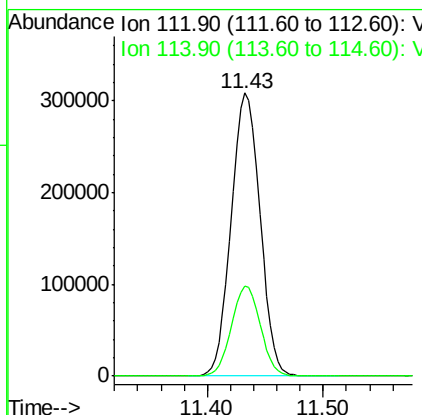
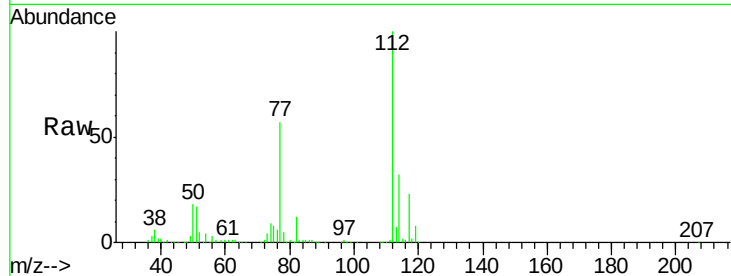
#65
Chlorobenzene
Concen: 19.779 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Instrument :
MSVOA_N
ClientSampled :
VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.6	38.4

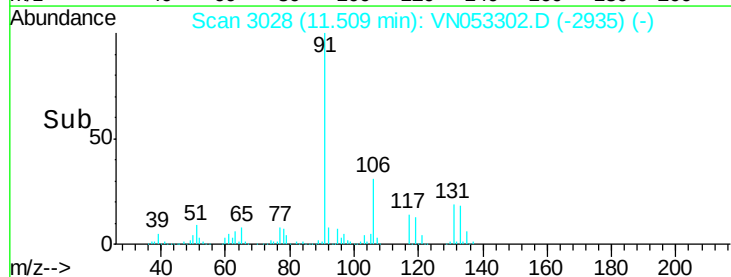
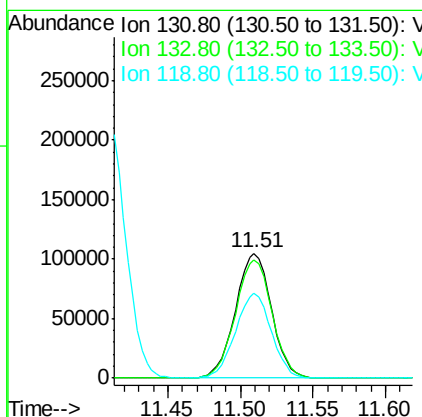
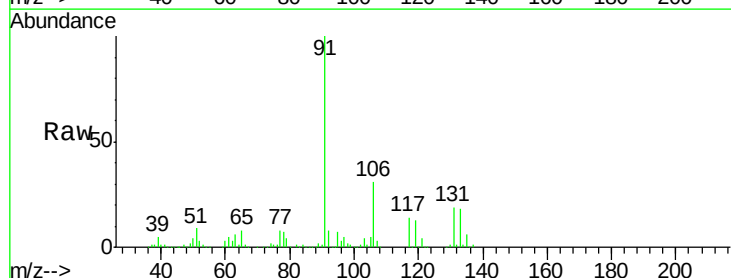
Manual Integrations
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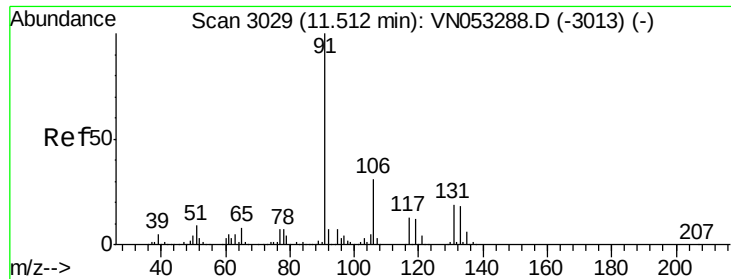
MMDadoda
1/8/2019 9:25:17 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.282 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.0	144.0
119	67.6	33.3	99.9





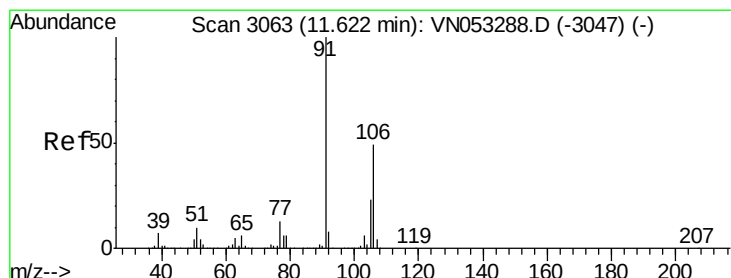
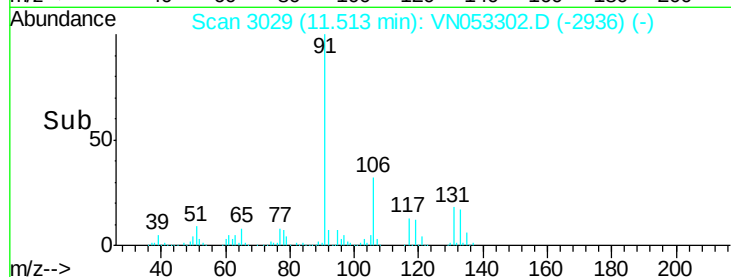
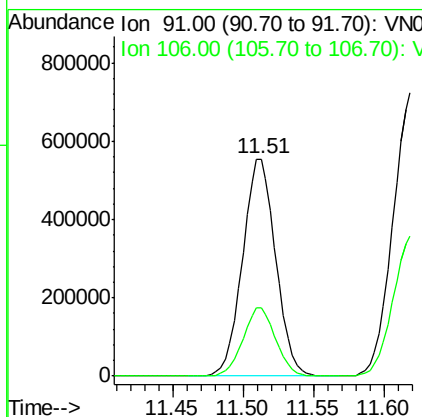
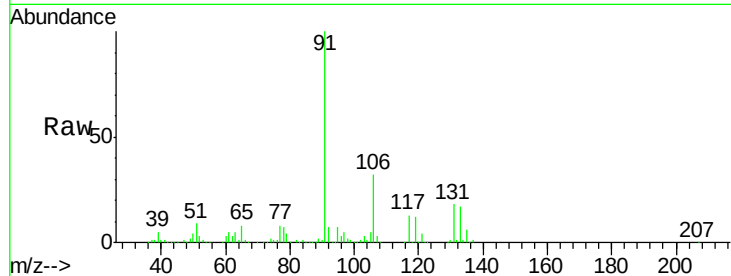
#67
Ethyl Benzene
Concen: 19.968 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion: 91 Resp: 910943
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.4

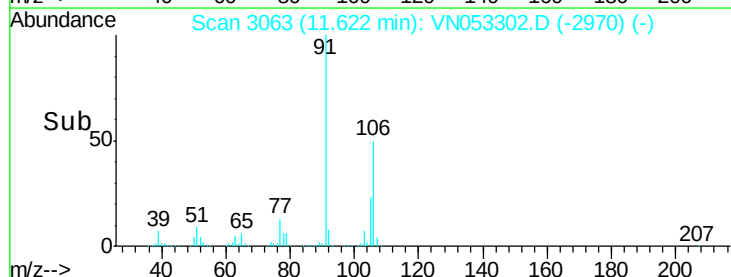
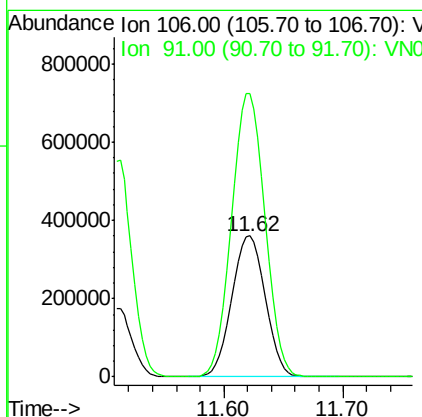
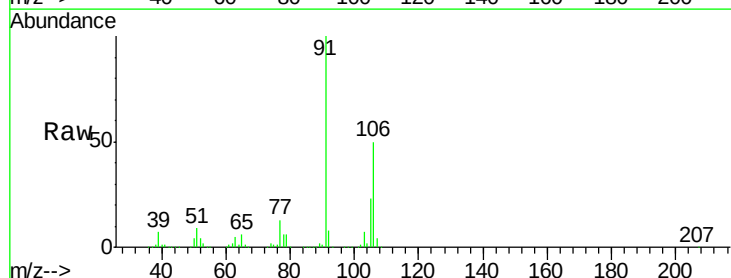
Manual Integrations
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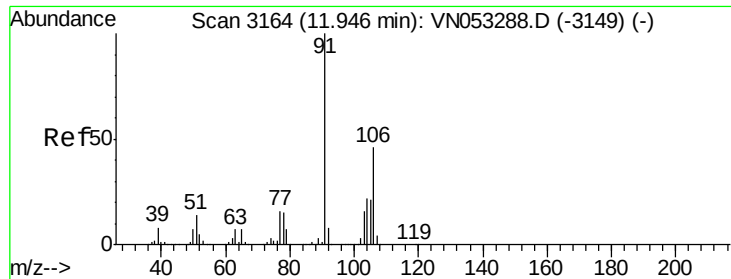
MMDadoda
1/8/2019 9:25:17 AM



#68
m/p-Xylenes
Concen: 40.906 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Tgt Ion: 106 Resp: 701721
Ion Ratio Lower Upper
106 100
91 200.3 161.4 242.2





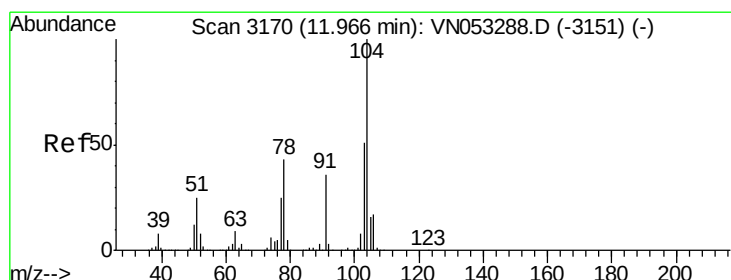
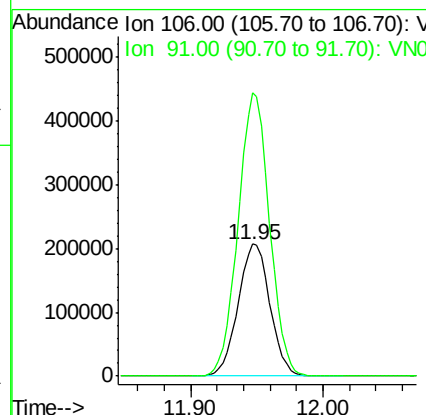
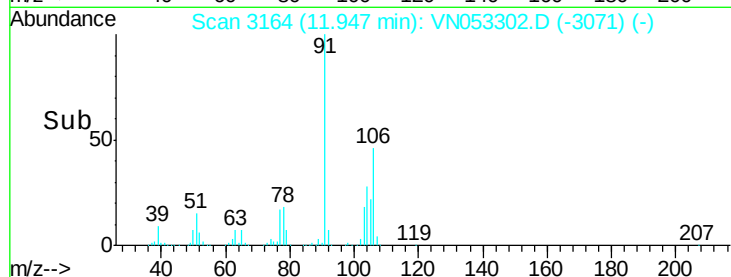
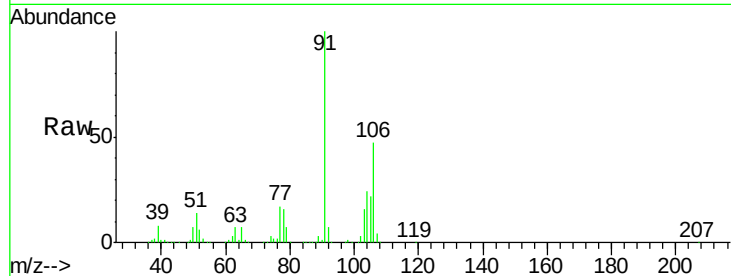
#69
o-Xylene
Concen: 20.508 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Instrument :
MSVOA_N
ClientSampled :
VN1007WBSD01

Tot Ion:106 Resp: 344418
Ion Ratio Lower Upper
106 100
91 211.5 106.8 320.4

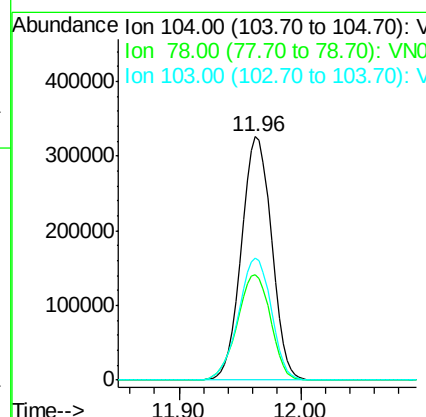
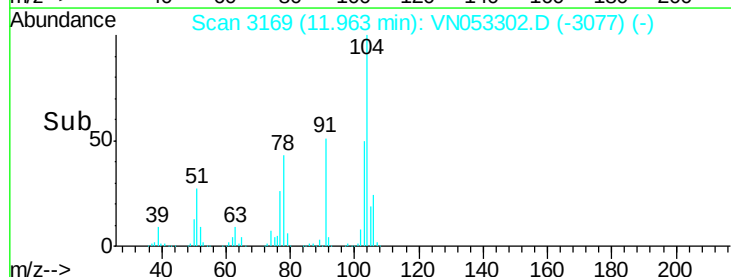
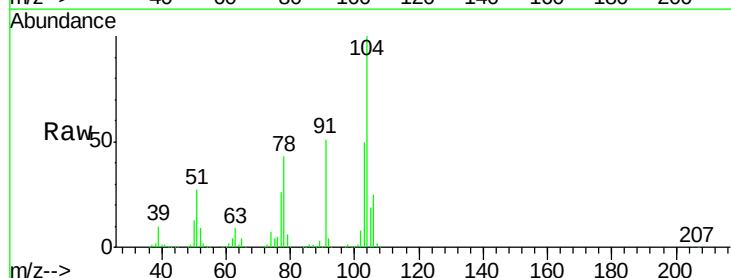
Manual Integrations
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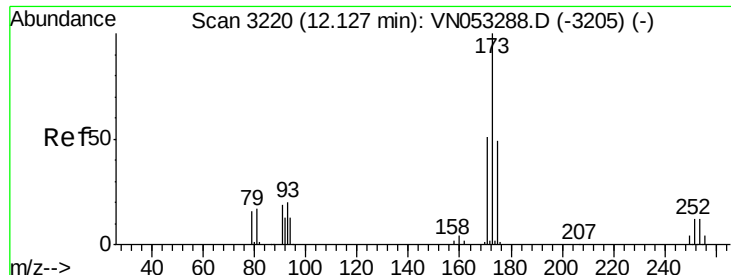
MMDadoda
1/8/2019 9:25:17 AM



#70
Styrene
Concen: 20.404 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Tgt Ion:104 Resp: 557707
Ion Ratio Lower Upper
104 100
78 47.9 38.5 57.7
103 54.8 44.5 66.7





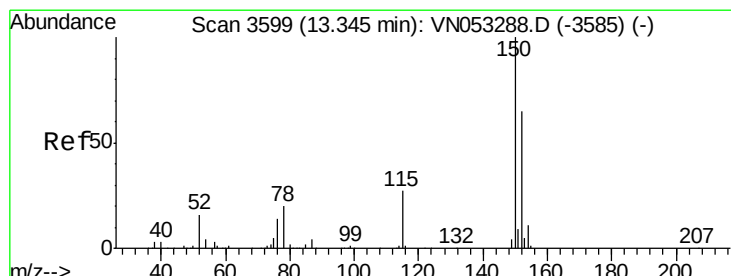
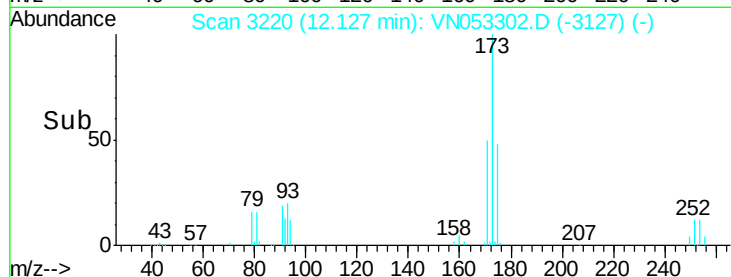
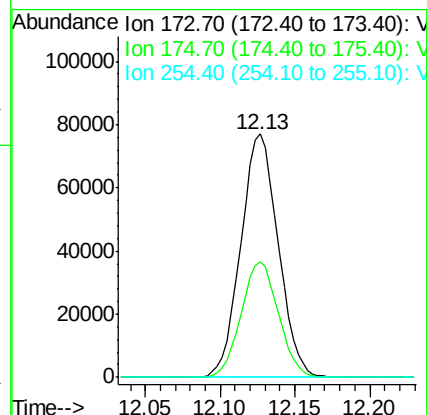
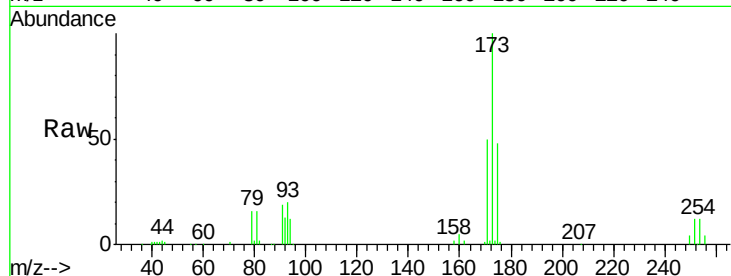
#71
Bromoform
Concen: 20.180 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.3	72.8
254	0.0	0.2	0.2#

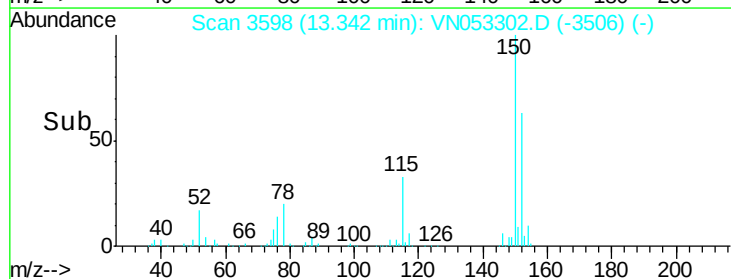
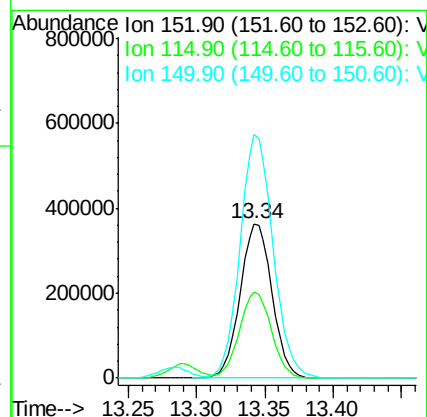
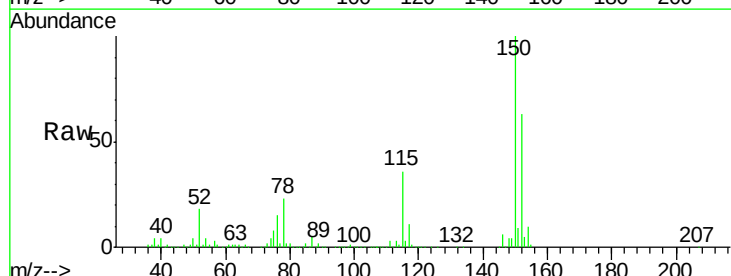
Manual Integrations
APPROVED

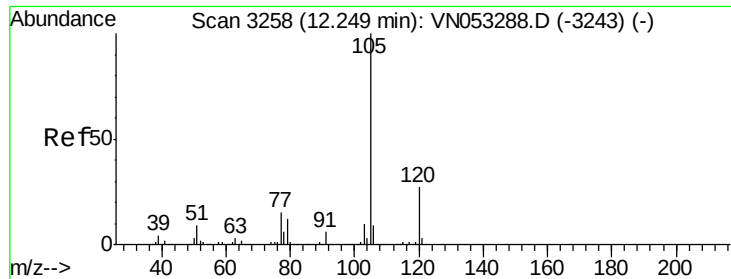
MMDadoda
1/8/2019 9:25:17 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.0	84.0
150	163.5	0.0	346.6





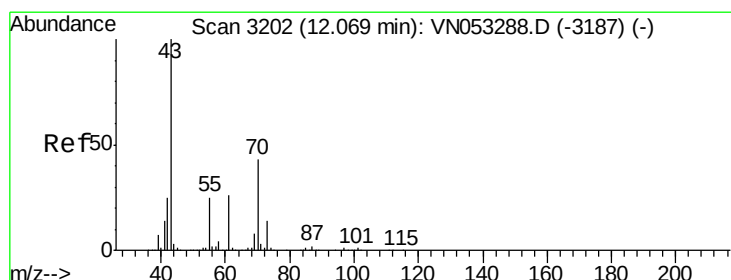
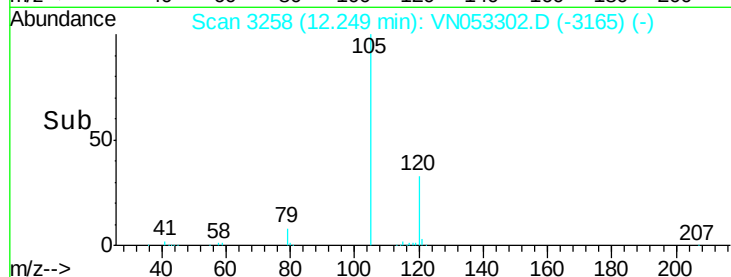
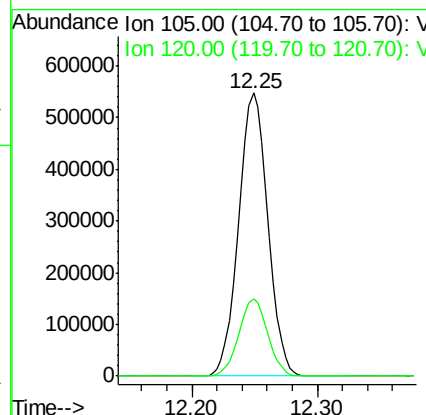
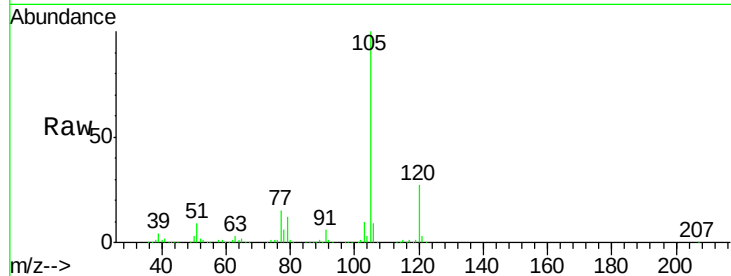
#73
Isopropylbenzene
Concen: 20.211 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.4	40.2

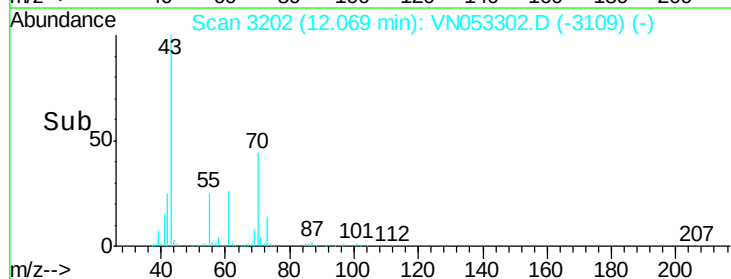
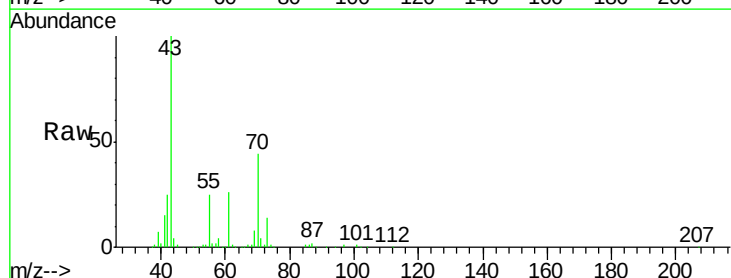
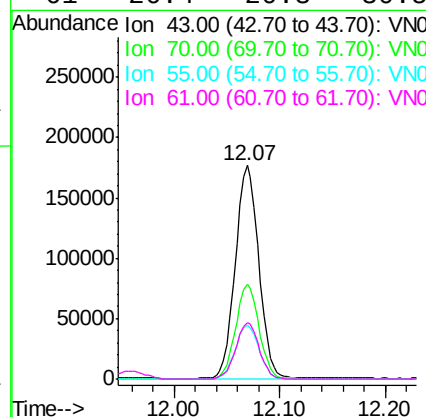
Manual Integrations
APPROVED

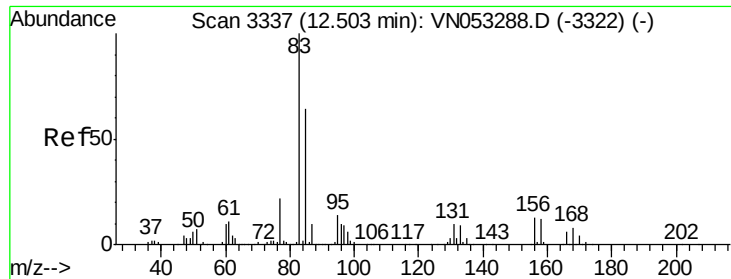
MMDadoda
1/8/2019 9:25:17 AM



#74
N-ethyl acetate
Concen: 20.793 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.2	35.0	52.6
55	26.0	20.0	30.0
61	26.4	20.3	30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.229 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Instrument :

MSVOA_N

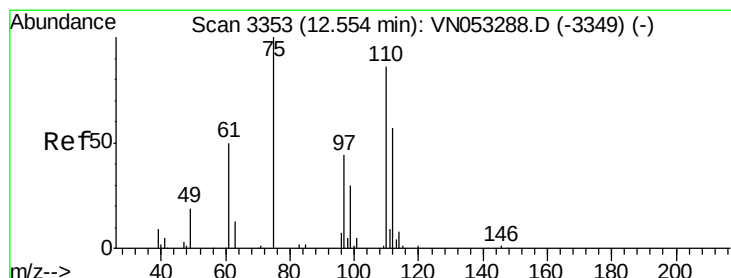
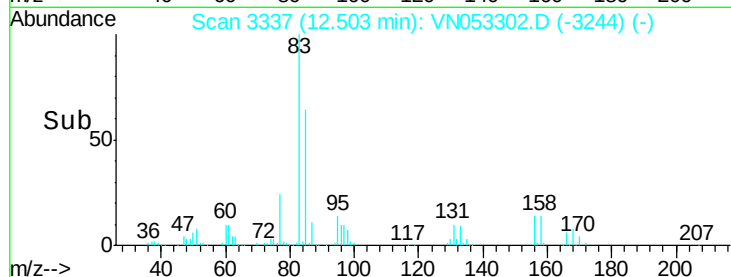
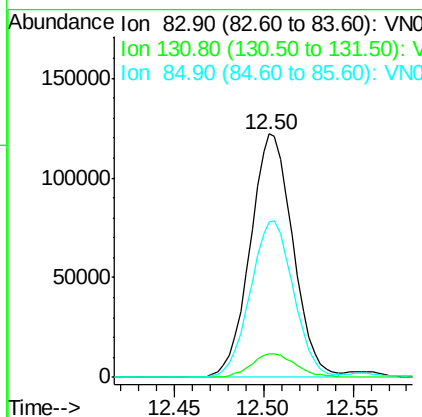
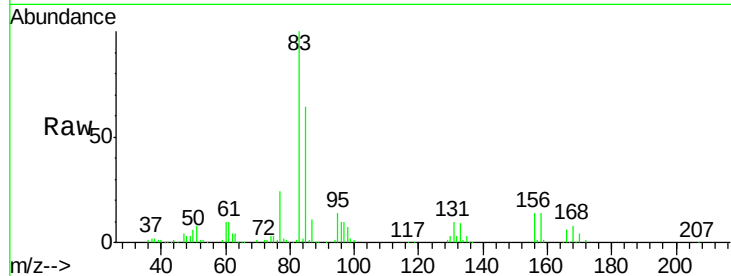
ClientSampleId :

VN1007WBSD01

Tot Ion:	83	Resp:	203924
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.9
85	65.2	32.3	96.8

Manual Integrations
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MMDadoda
1/8/2019 9:25:17 AM



#76

1,2,3-Trichloropropane

Concen: 21.051 ug/l m

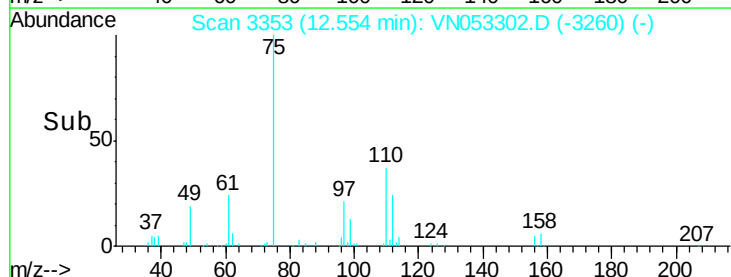
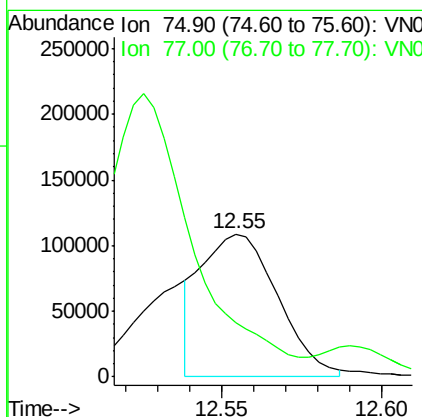
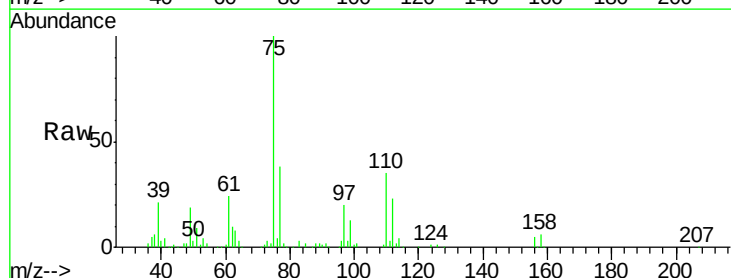
RT: 12.55 min Scan# 3353

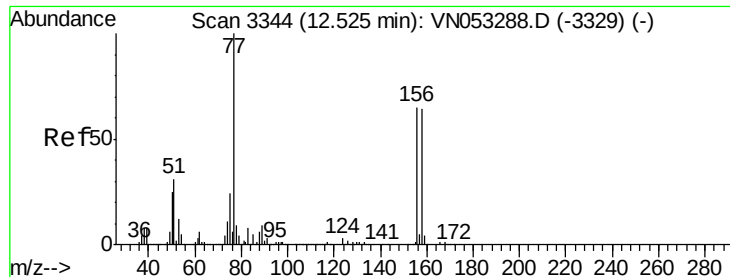
Delta R.T. 0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Tgt Ion:	75	Resp:	180723
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.978 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Instrument :

MSVOA_N

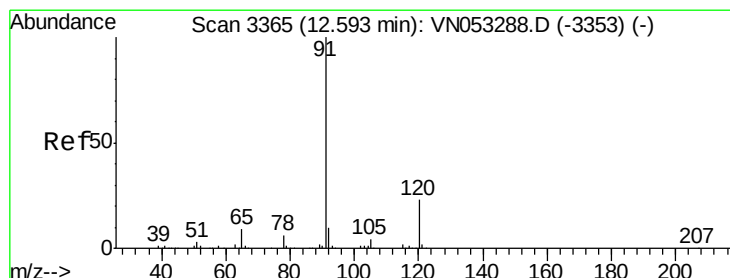
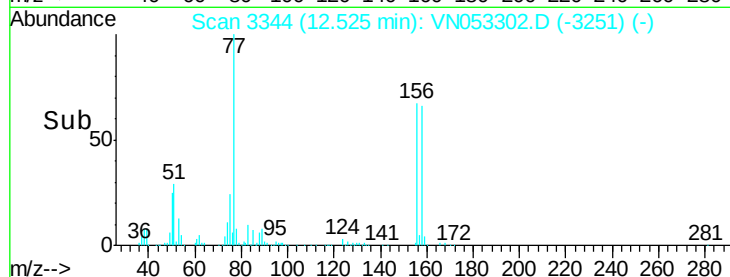
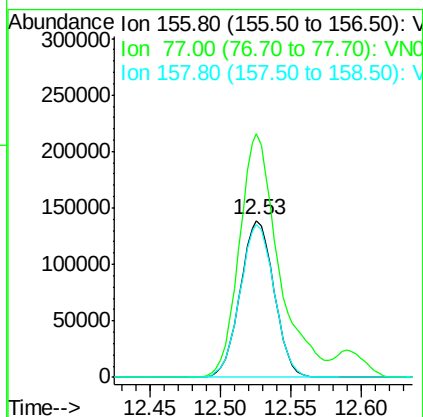
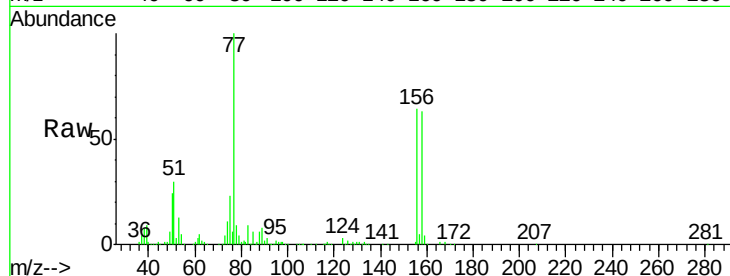
ClientSampleId :

VN1007WBSD01

Tot Ion:	156	Resp:	233668
Ion Ratio	Lower	Upper	
156	100		
77	179.6	89.3	268.1
158	98.8	48.9	146.8

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#78

n-propylbenzene

Concen: 20.343 ug/l

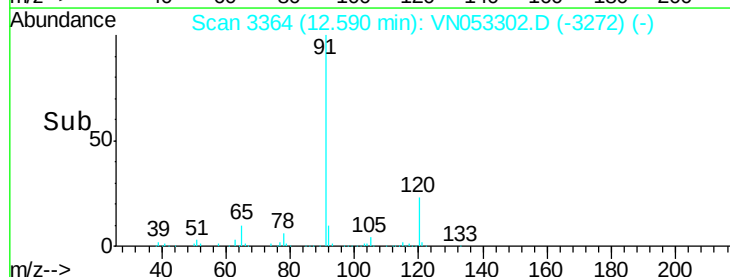
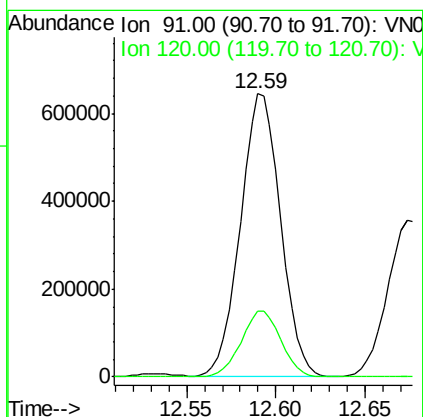
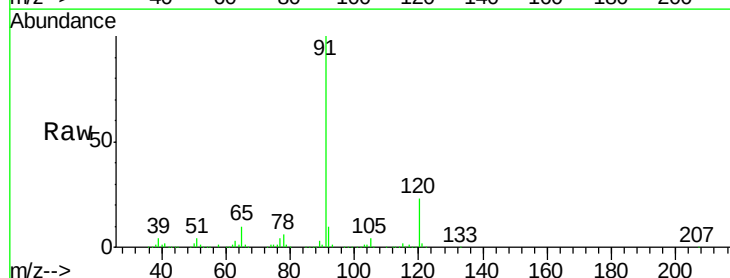
RT: 12.59 min Scan# 3364

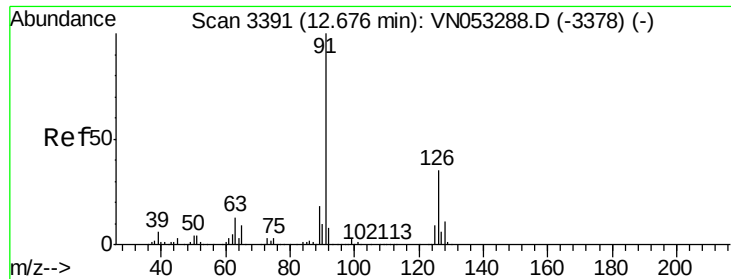
Delta R.T. -0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Tgt Ion:	91	Resp:	1008394
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.054 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Instrument :

MSVOA_N

ClientSampled :

VN1007WBSD01

Tot Ion: 91 Resp: 601510

Ion Ratio Lower Upper

91 100

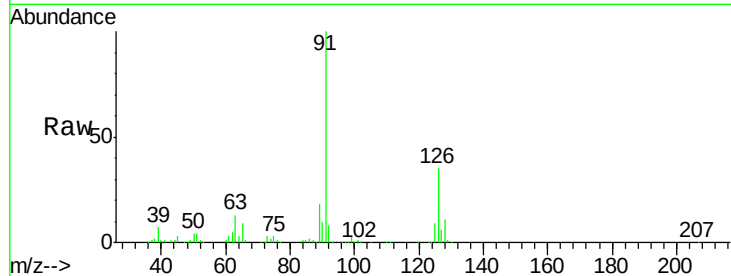
126 35.3 17.5 52.5

Manual Integrations

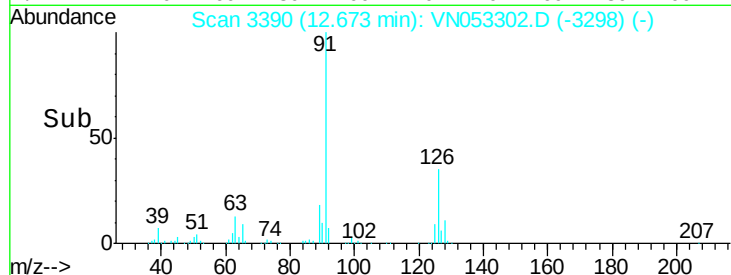
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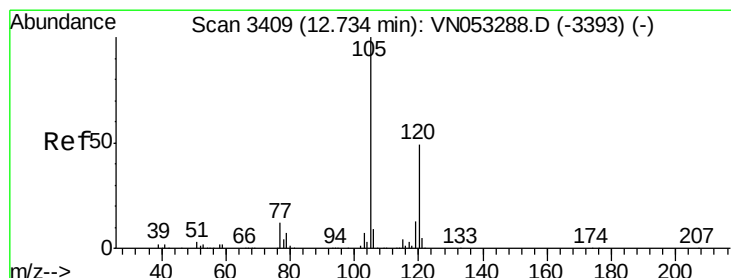
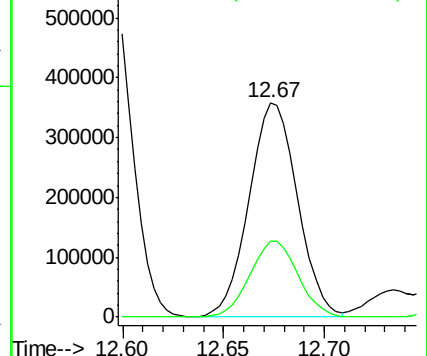
1/8/2019 9:25:17 AM



Abundance Ion 91.00 (90.70 to 91.70): VN053302.D (-3298) (-)



Ion 125.90 (125.60 to 126.60): VN053302.D (-3298) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.522 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053302.D

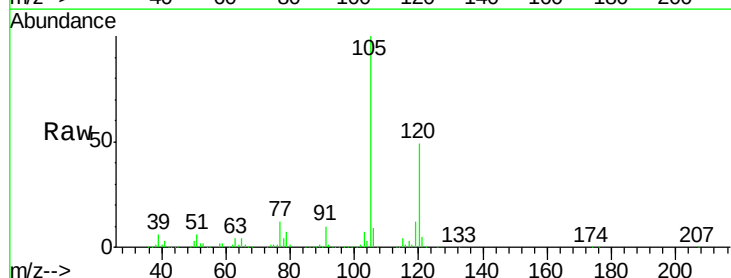
Acq: 7 Jan 2019 14:07

Tgt Ion: 105 Resp: 724409

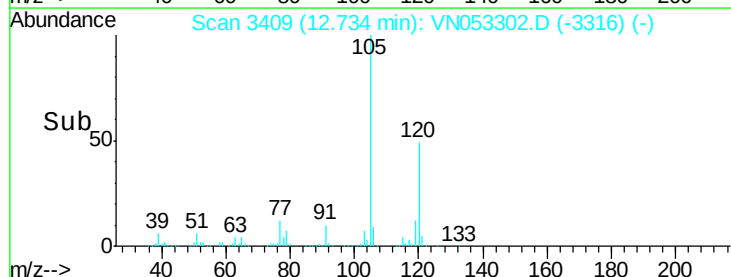
Ion Ratio Lower Upper

105 100

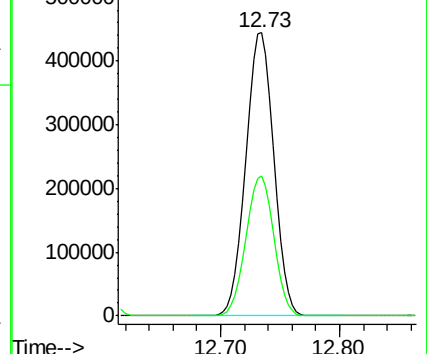
120 49.3 24.7 74.1

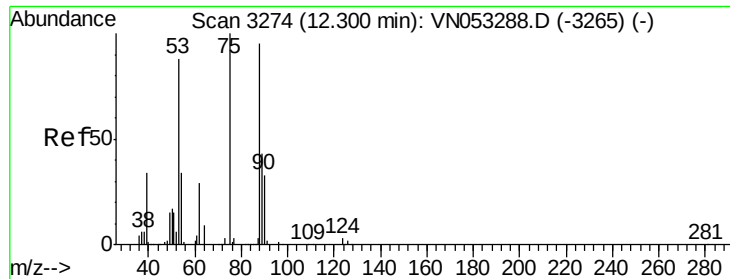


Abundance Ion 105.00 (104.70 to 105.70): VN053302.D (-3316) (-)



Ion 120.00 (119.70 to 120.70): VN053302.D (-3316) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.733 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Instrument :

MSVOA_N

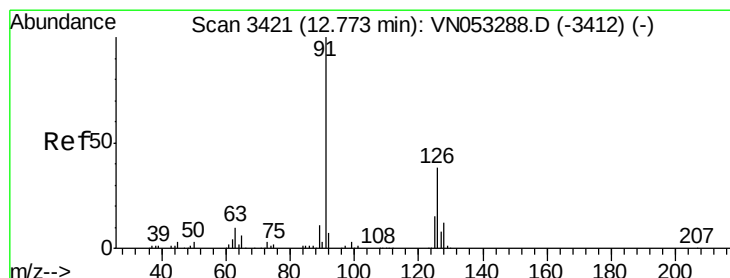
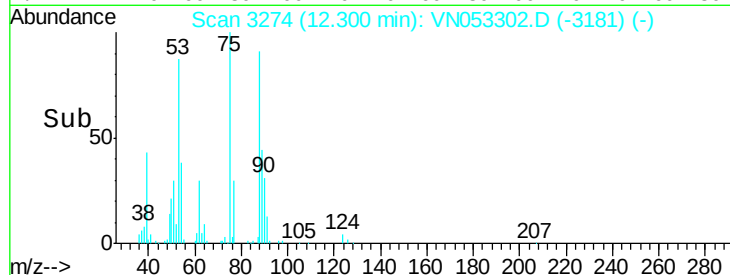
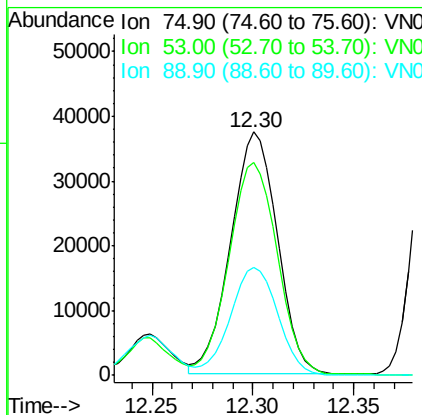
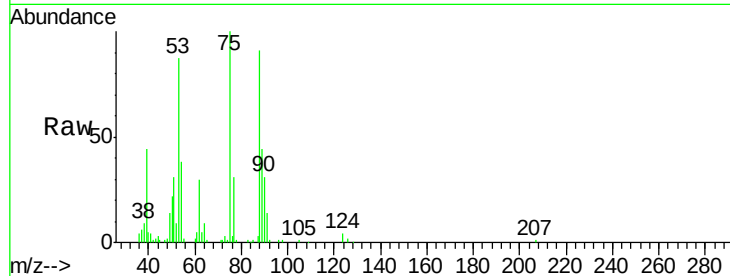
ClientSampleId :

VN1007WBSD01

Tot Ion:	75	Resp:	60496
Ion	Ratio	Lower	Upper
75	100		
53	92.5	70.5	105.7
89	45.4	35.4	53.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.098 ug/l

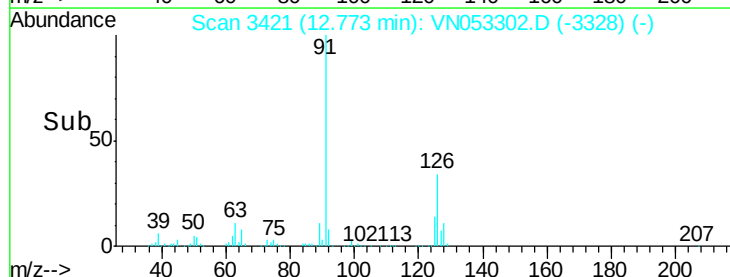
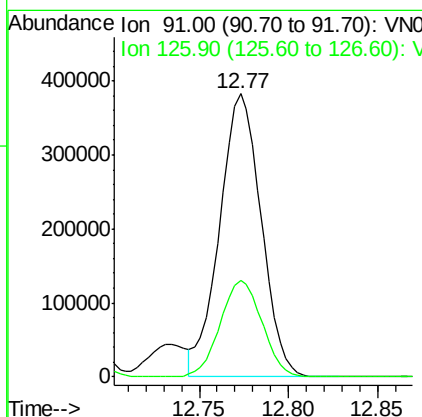
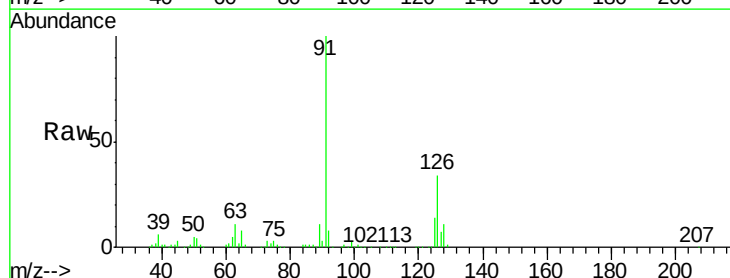
RT: 12.77 min Scan# 3421

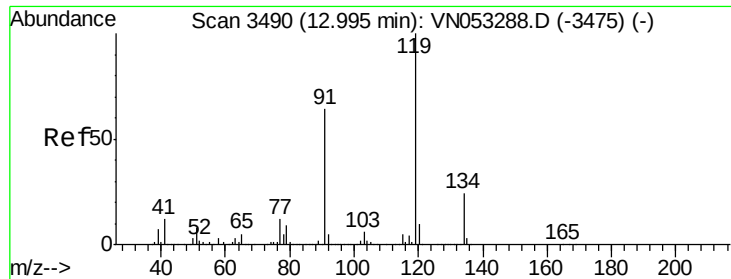
Delta R.T. 0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Tgt Ion:	91	Resp:	618125
Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.4	52.2





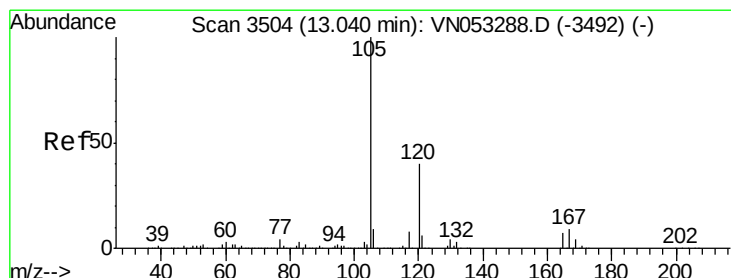
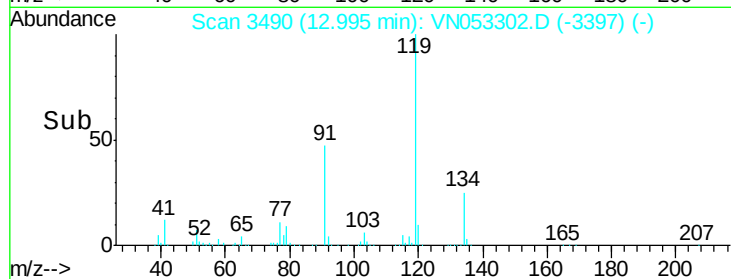
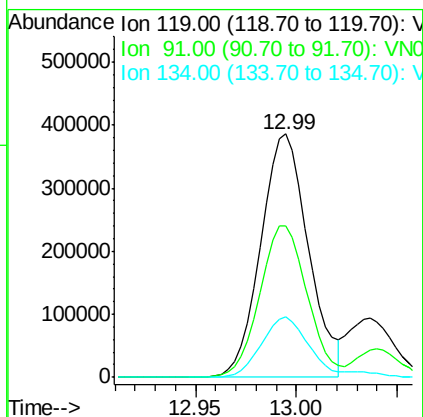
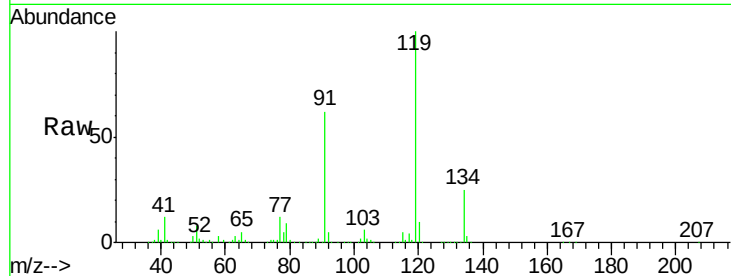
#83
 tert-Butylbenzene
 Concen: 20.524 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Instrument :
 MSVOA_N
 ClientSampled :
 VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.6	95.0
134	24.4	12.9	38.6

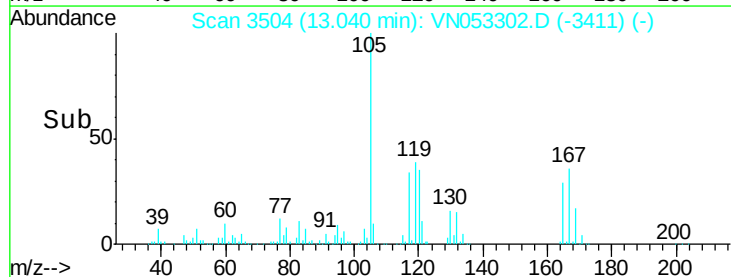
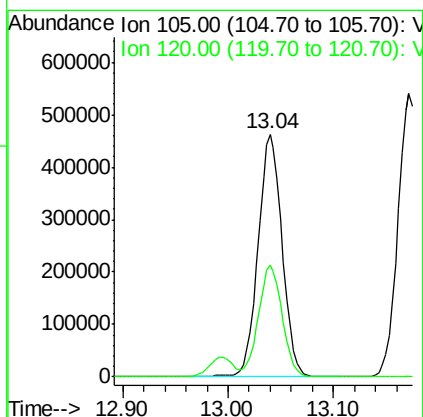
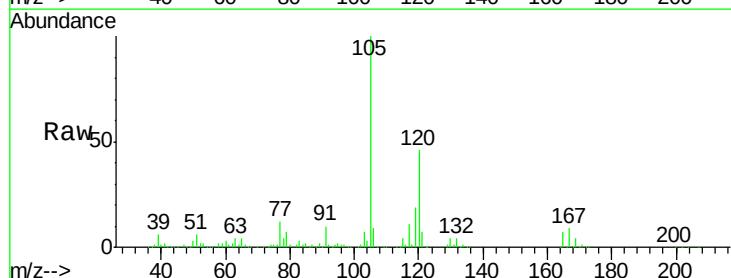
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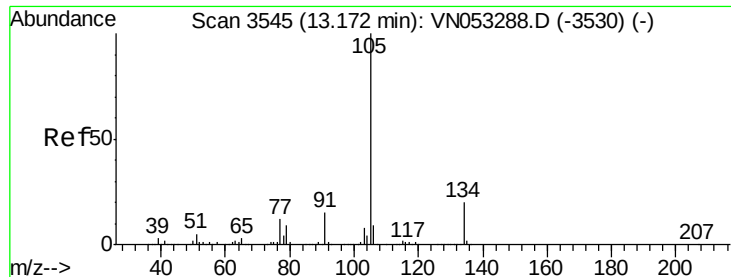
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.428 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.0	69.0





#85

sec-Butylbenzene

Concen: 20.359 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD01

Tot Ion:105 Resp: 831541

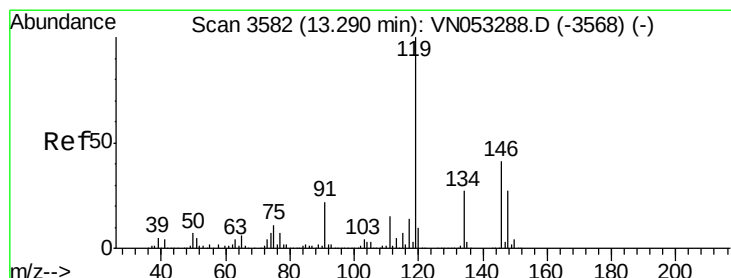
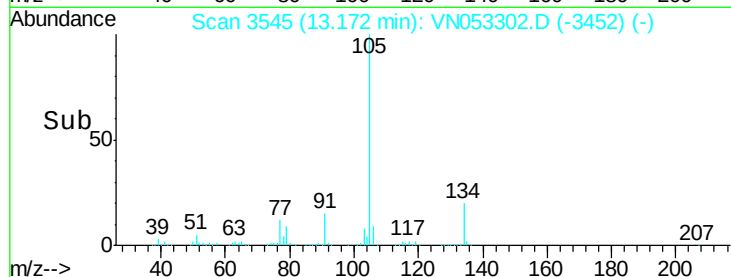
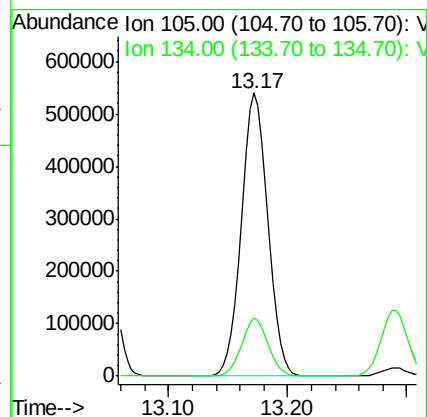
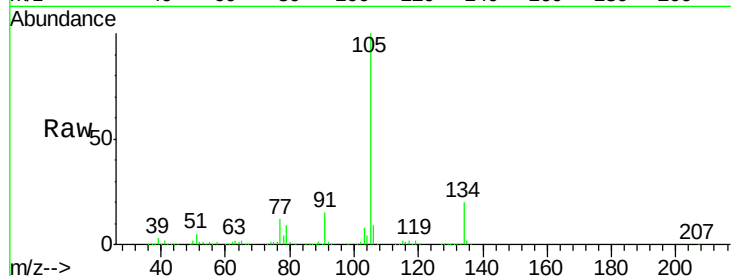
Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 20.366 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

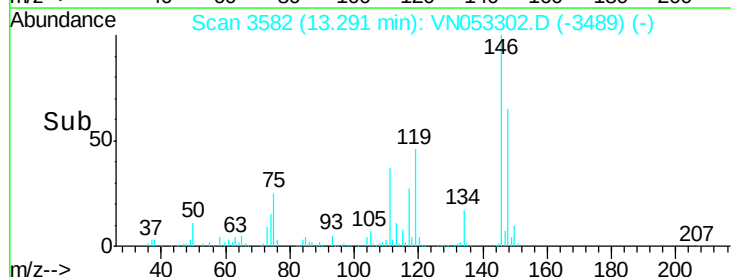
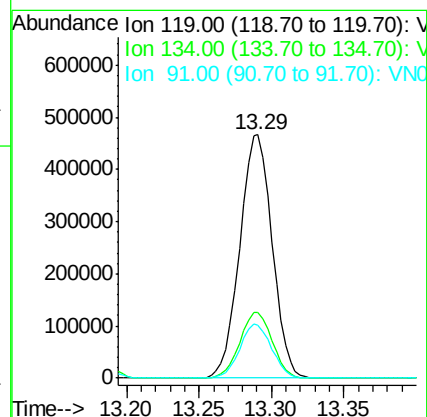
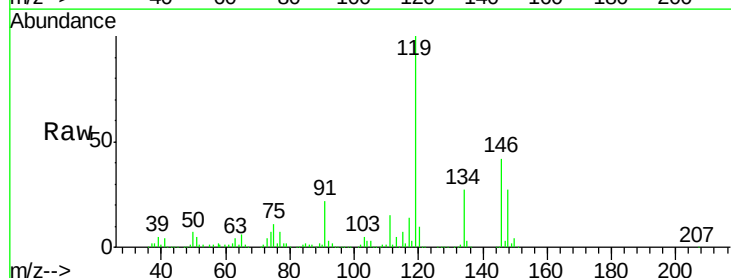
Tgt Ion:119 Resp: 720199

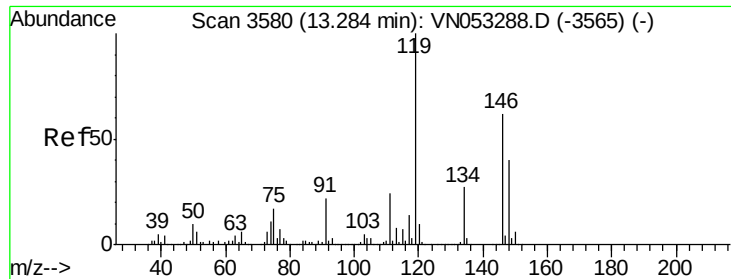
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 22.0 11.1 33.1





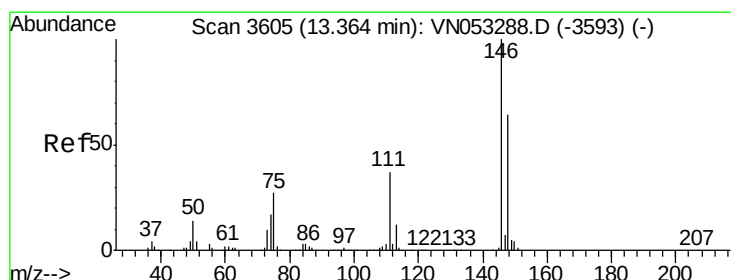
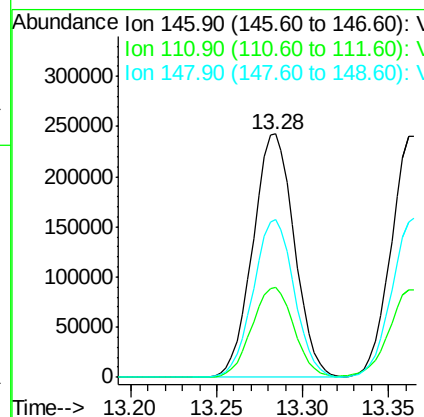
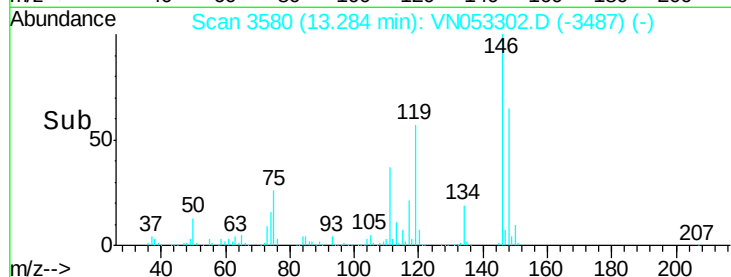
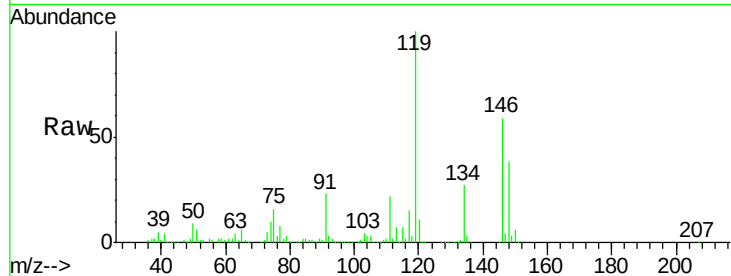
#87
 1,3-Dichlorobenzene
 Concen: 19.685 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.5
148	63.9	32.0	96.2

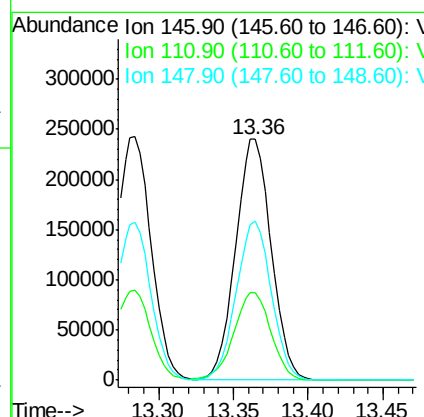
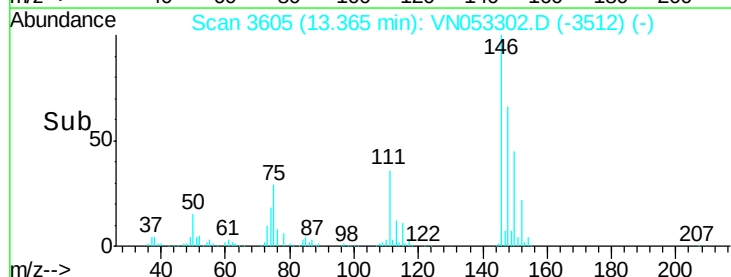
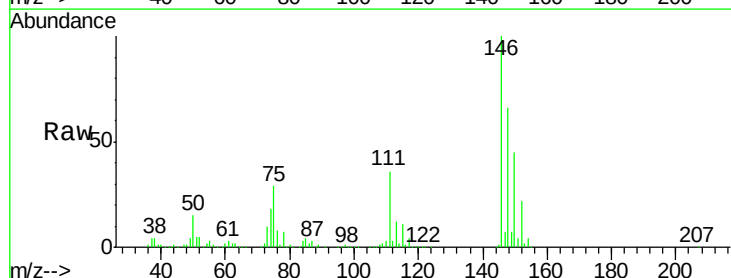
Manual Integrations
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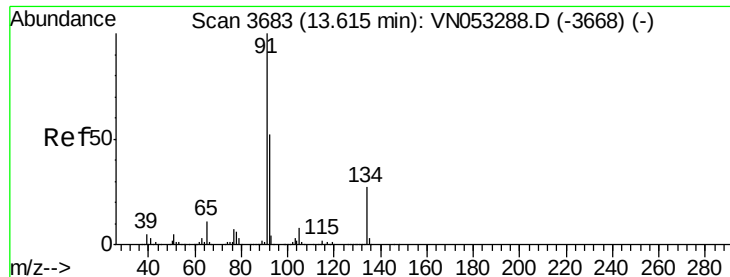
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#88
 1,4-Dichlorobenzene
 Concen: 19.482 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.8
148	65.2	32.0	96.0





#89

n-Butylbenzene

Concen: 19.356 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Instrument :

MSVOA_N

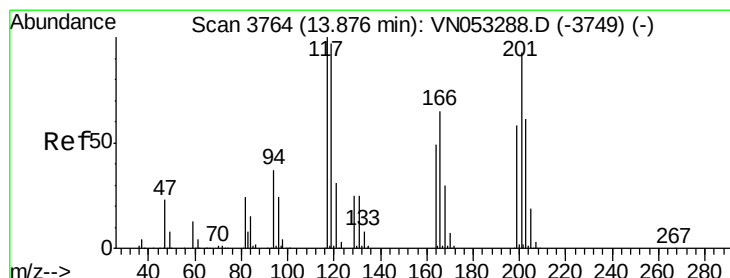
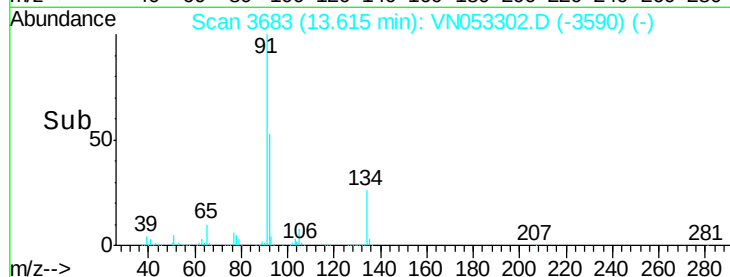
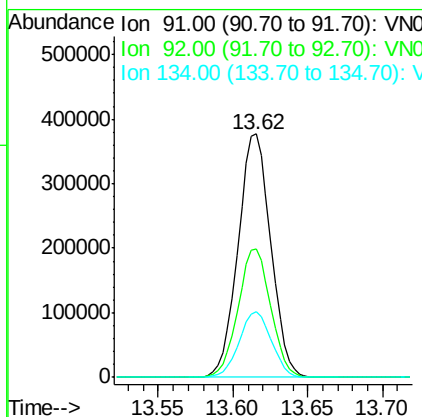
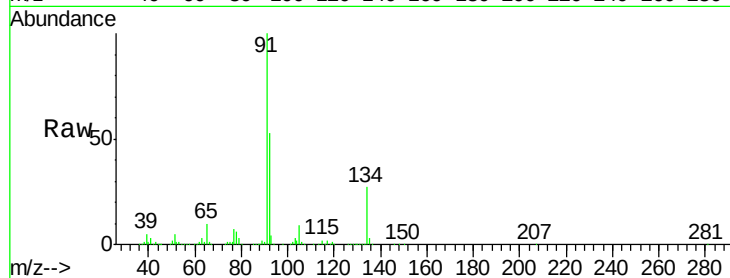
ClientSampled :

VN1007WBSD01

Tot Ion:	91	Resp:	573865
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.8
134	26.7	13.5	40.5

Manual Integrations
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#90

Hexachloroethane

Concen: 19.679 ug/l

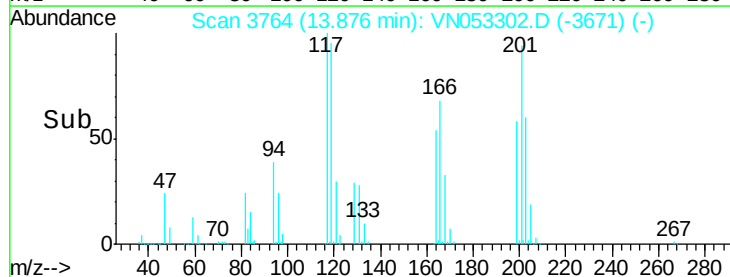
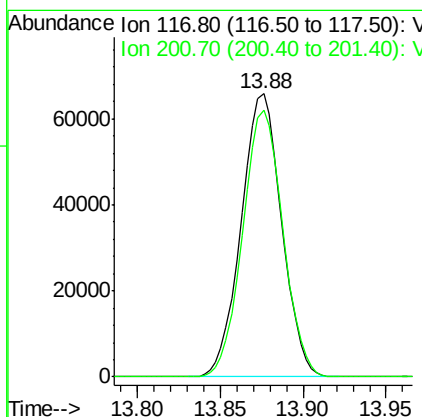
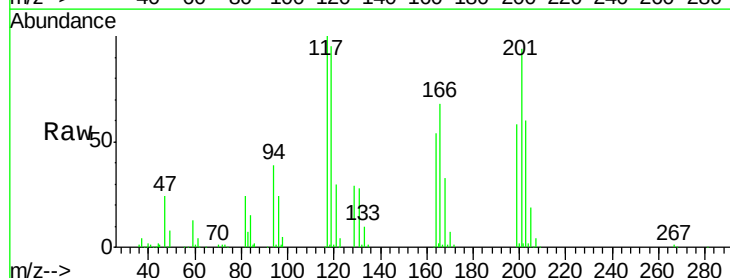
RT: 13.88 min Scan# 3764

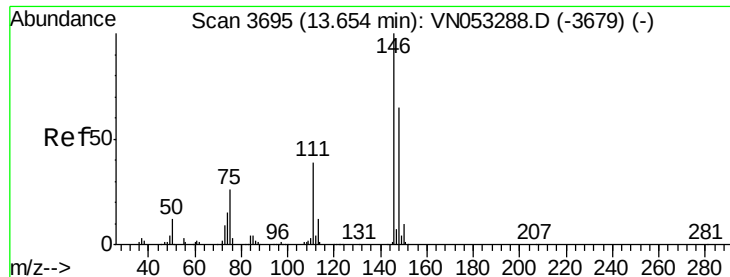
Delta R.T. 0.00 min

Lab File: VN053302.D

Acq: 7 Jan 2019 14:07

Tgt Ion:	117	Resp:	111544
Ion	Ratio	Lower	Upper
117	100		
201	93.7	46.1	138.3





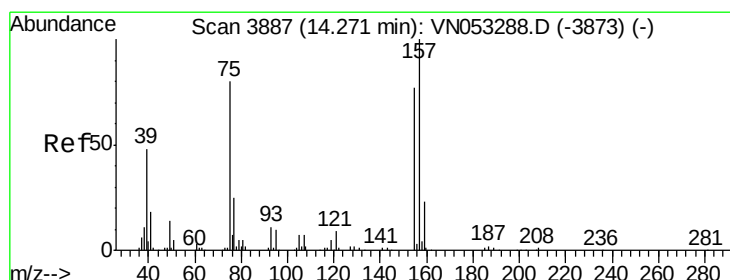
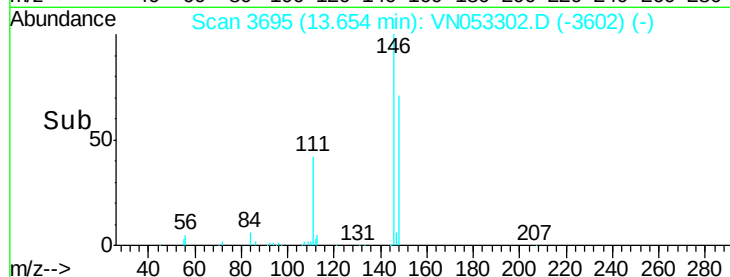
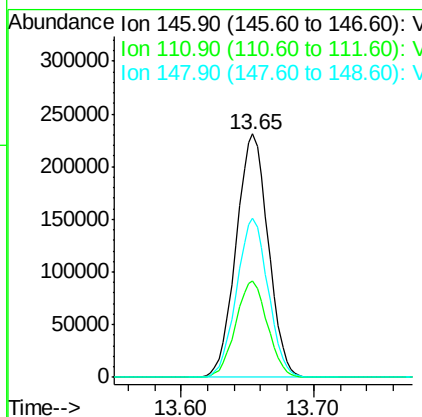
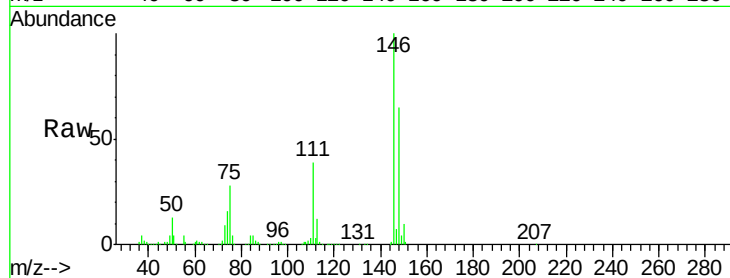
#91
 1,2-Dichlorobenzene
 Concen: 20.100 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.2
148	64.3	32.2	96.6

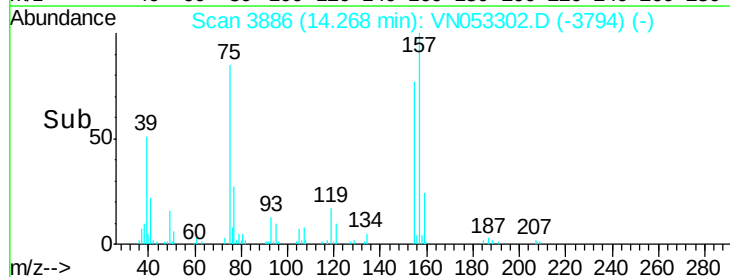
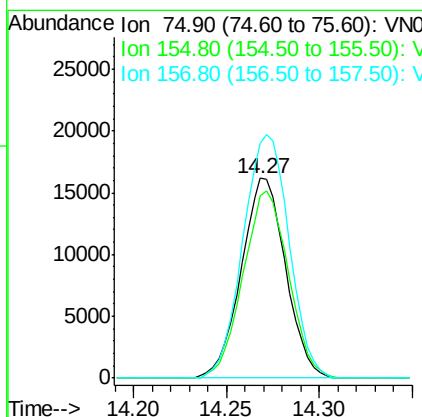
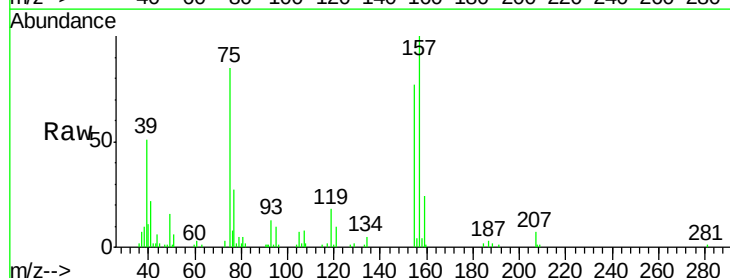
Manual Integrations
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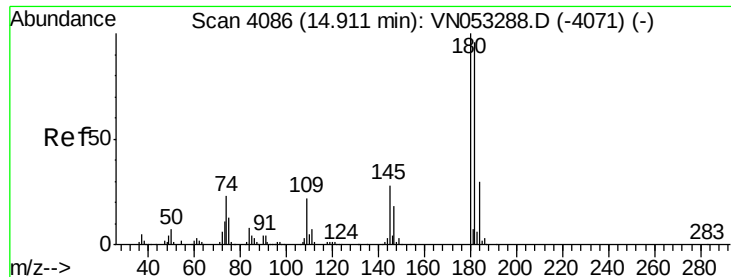
MMDadoda
 1/8/2019 9:25:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.065 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.6	48.1	144.3
157	126.5	61.5	184.4





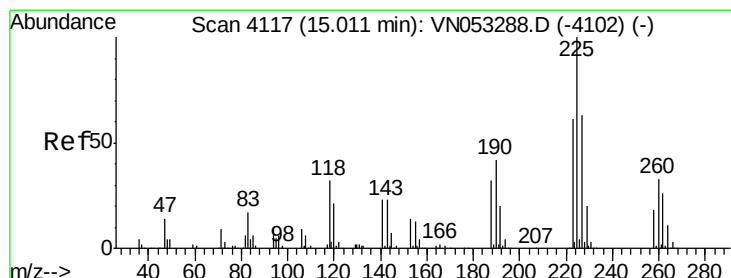
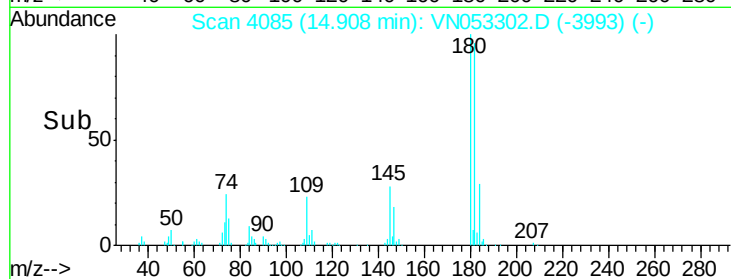
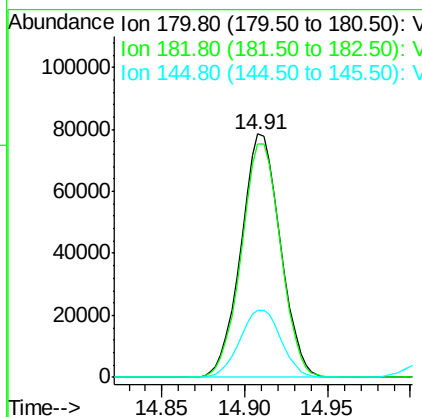
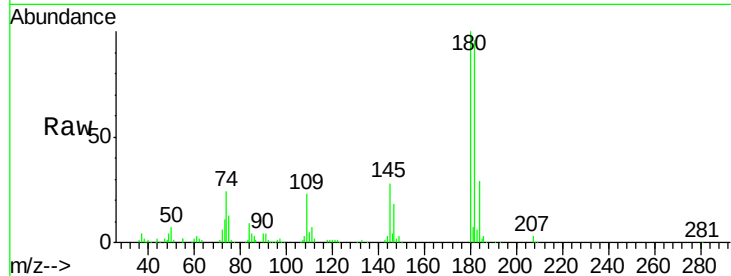
#93
 1,2,4-Trichlorobenzene
 Concen: 21.336 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Instrument :
 MSVOA_N
 ClientSampled :
 VN1007WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	129432		
182	95.9	47.8	143.4	
145	28.9	14.4	43.0	

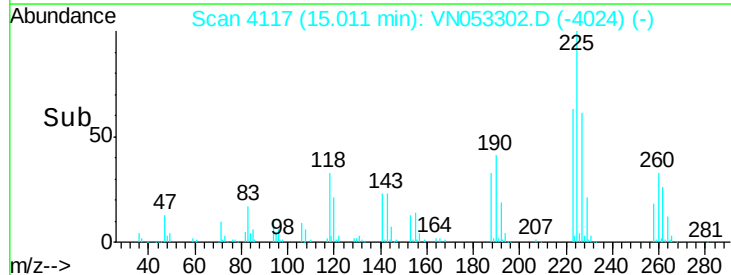
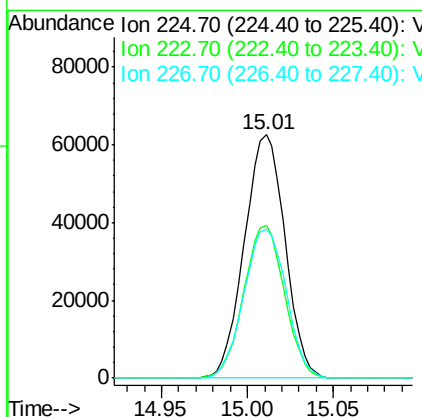
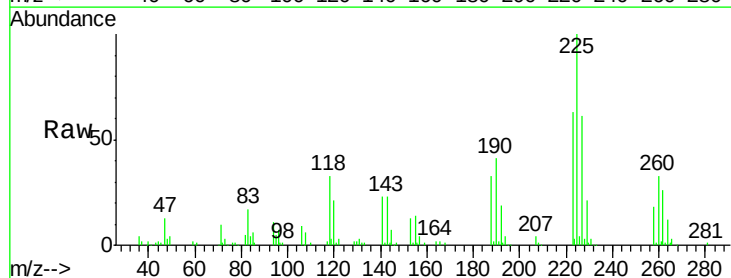
Manual Integrations
 APPROVED

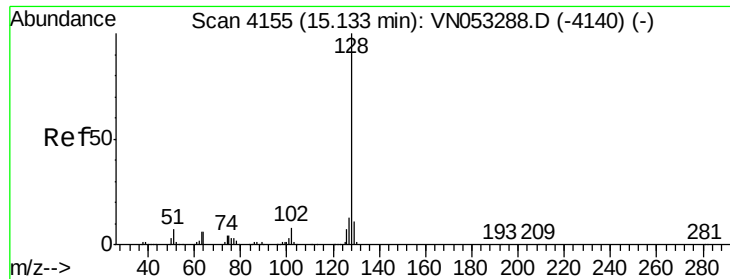
MMDadoda
 1/8/2019 9:25:17 AM



#94
 Hexachlorobutadiene
 Concen: 20.711 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053302.D
 Acq: 7 Jan 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	102763		
223	62.6	30.9	92.8	
227	63.8	31.4	94.2	





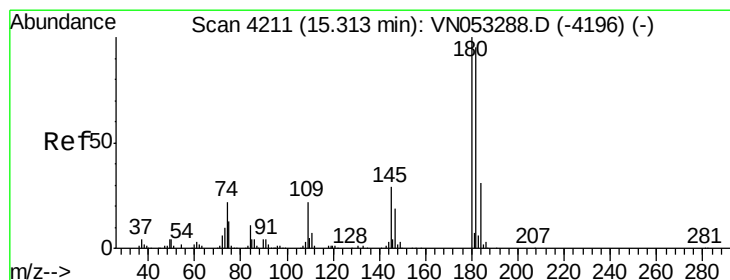
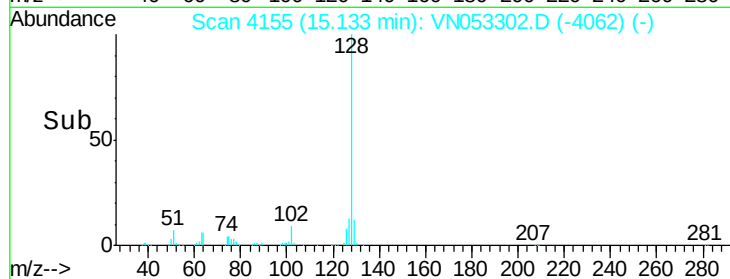
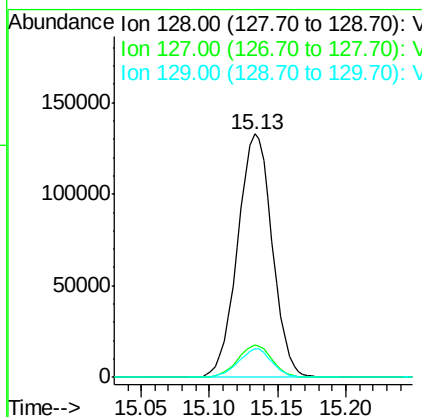
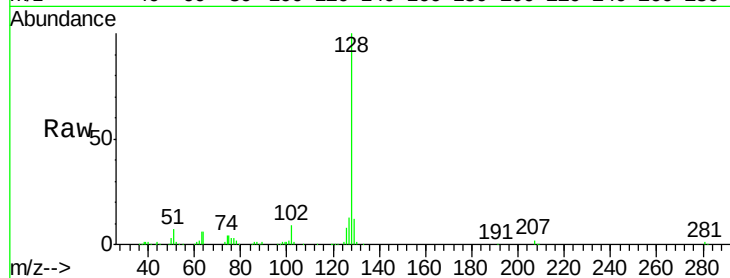
#95
Naphthalene
Concen: 22.570 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Instrument :
MSVOA_N
ClientSampled :
VN1007WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/8/2019 9:25:17 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.342 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053302.D
Acq: 7 Jan 2019 14:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.4	145.0
145	30.0	14.9	44.5

