

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010319\
 Data File : VN053252.D
 Acq On : 3 Jan 2019 10:43
 Operator : MD\SY
 Sample : VN0103WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0103WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 12:39:02 PM

Quant Time: Jan 04 06:46:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	837003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1277464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1088588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	439482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	440430	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
35) Dibromofluoromethane	7.59	113	366932	62.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.76%	
50) Toluene-d8	10.09	98	1525745	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.40	95	498931	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	151943	17.937	ug/l	99
3) Chloromethane	2.06	50	181555	17.686	ug/l	99
4) Vinyl Chloride	2.19	62	192625	18.528	ug/l	100
5) Bromomethane	2.56	94	128428	17.830	ug/l	98
6) Chloroethane	2.71	64	118863	19.305	ug/l	99
7) Trichlorofluoromethane	3.02	101	277899	21.458	ug/l	100
8) Diethyl Ether	3.41	74	108488	22.204	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	178207	21.581	ug/l	98
10) Methyl Iodide	3.96	142	232654	20.063	ug/l	99
11) Tert butyl alcohol	4.78	59	50346	97.142	ug/l	97
12) 1,1-Dichloroethene	3.74	96	165271	20.716	ug/l	97
13) Acrolein	3.61	56	41855	89.065	ug/l	99
14) Allyl chloride	4.33	41	279463	22.615	ug/l	95
15) Acrylonitrile	4.99	53	323136	112.229	ug/l	99
16) Acetone	3.82	43	224358	134.717	ug/l	96
17) Carbon Disulfide	4.06	76	423385	16.273	ug/l	99
18) Methyl Acetate	4.33	43	188914	25.489	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	486082	22.768	ug/l	100
20) Methylene Chloride	4.55	84	192284	21.166	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	177864	20.751	ug/l	98
22) Diisopropyl ether	5.95	45	613255	23.250	ug/l	99
23) Vinyl Acetate	5.90	43	1724220	113.679	ug/l	99
24) 1,1-Dichloroethane	5.85	63	351743	22.442	ug/l	99
25) 2-Butanone	6.83	43	340105	121.685	ug/l	99
26) 2,2-Dichloropropane	6.83	77	262312	21.924	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	213692	22.022	ug/l	99
28) Bromochloromethane	7.20	49	136230	20.058	ug/l	96
29) Tetrahydrofuran	7.21	42	236555	113.322	ug/l	99
30) Chloroform	7.37	83	344239	22.357	ug/l	100
31) Cyclohexane	7.66	56	311356	20.562	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	282539	21.541	ug/l	99
36) 1,1-Dichloropropene	7.80	75	253822	20.701	ug/l	100
37) Ethyl Acetate	6.93	43	154561	22.580	ug/l	99
38) Carbon Tetrachloride	7.78	117	239592	21.318	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	281145	18.875	ug/l	100
40) Benzene	8.04	78	786986	21.578	ug/l	99
41) Methacrylonitrile	7.17	41	88487	22.374	ug/l	97
42) 1,2-Dichloroethane	8.13	62	236066	21.910	ug/l	98
43) Isopropyl Acetate	8.16	43	284503	20.870	ug/l #	89
44) Trichloroethene	8.84	130	212454	20.140	ug/l	98
45) 1,2-Dichloropropane	9.12	63	212693	22.389	ug/l	99
46) Dibromomethane	9.21	93	118834	21.473	ug/l	97
47) Bromodichloromethane	9.40	83	258455	21.971	ug/l	100
48) Methyl methacrylate	9.20	41	139099	20.942	ug/l	98
49) 1,4-Dioxane	9.20	88	25141	299.226	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	727896	109.808	ug/l	99
52) Toluene	10.16	92	468156	20.709	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	249244	20.149	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	298528	21.025	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	172240	21.840	ug/l	99
56) Ethyl methacrylate	10.43	69	217363	20.823	ug/l	96
57) 1,3-Dichloropropane	10.71	76	290491	21.480	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	602741	105.177	ug/l	99
59) 2-Hexanone	10.75	43	472550	105.364	ug/l	99
60) Dibromochloromethane	10.90	129	188785	20.912	ug/l	100
61) 1,2-Dibromoethane	11.01	107	164815	20.577	ug/l	100
64) Tetrachloroethene	10.63	164	213001	18.063	ug/l	99
65) Chlorobenzene	11.43	112	515921	21.380	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	187734	22.372	ug/l	100
67) Ethyl Benzene	11.51	91	870799	20.984	ug/l	100
68) m/p-Xylenes	11.62	106	658043	41.711	ug/l	99
69) o-Xylene	11.95	106	319670	21.116	ug/l	99
70) Styrene	11.96	104	521421	21.123	ug/l	99
71) Bromoform	12.13	173	116974	19.296	ug/l #	100
73) Isopropylbenzene	12.25	105	848807	24.685	ug/l	99
74) N-amyl acetate	12.07	43	212789	22.289	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	169854	25.179	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	150481m	20.340	ug/l	
77) Bromobenzene	12.53	156	212990	23.829	ug/l	97
78) n-propylbenzene	12.59	91	939303	23.985	ug/l	99
79) 2-Chlorotoluene	12.67	91	555882	22.900	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	664687	23.716	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47001	20.476	ug/l	98
82) 4-Chlorotoluene	12.77	91	561782	23.642	ug/l	99
83) tert-Butylbenzene	12.99	119	590859	23.837	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	659866	23.420	ug/l	100
85) sec-Butylbenzene	13.17	105	761338	22.708	ug/l	99
86) p-Isopropyltoluene	13.29	119	648073	22.370	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	344795	21.795	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	331348	20.683	ug/l	99
89) n-Butylbenzene	13.62	91	506573	20.325	ug/l	99
90) Hexachloroethane	13.88	117	94525	21.262	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	293224	19.694	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10892	9.338	ug/l	97

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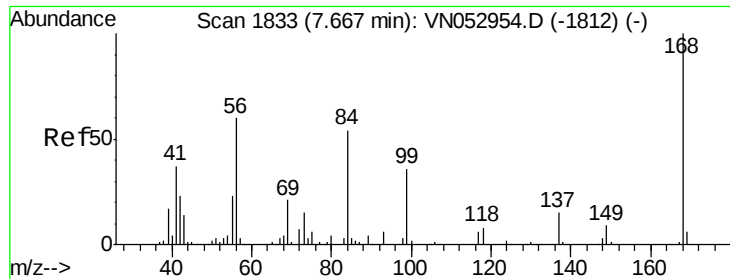
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	37547	5.299	ug/l	98
94) Hexachlorobutadiene	15.01	225	48096	9.447	ug/l	99
95) Naphthalene	15.14	128	61930	4.648	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	22354	3.623	ug/l	98

(#) = 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: VN053252.D

Acq: 3 Jan 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0103WBSD01

Tot Ion:168 Resp: 837003

Ion Ratio Lower Upper

168 100

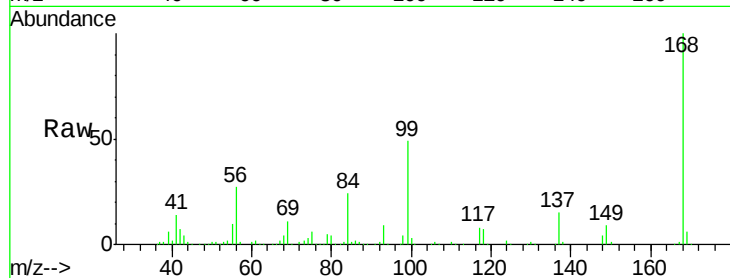
99 49.2 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

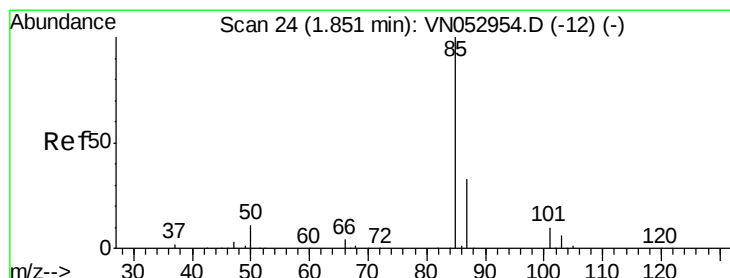
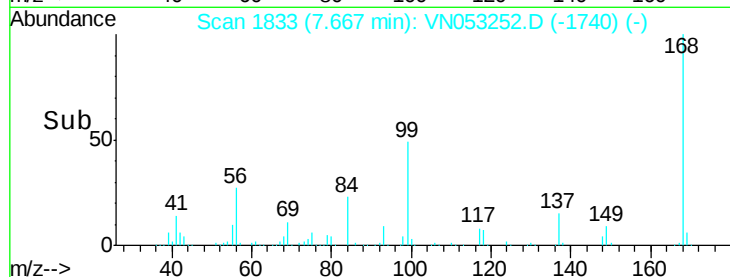
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.937 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053252.D

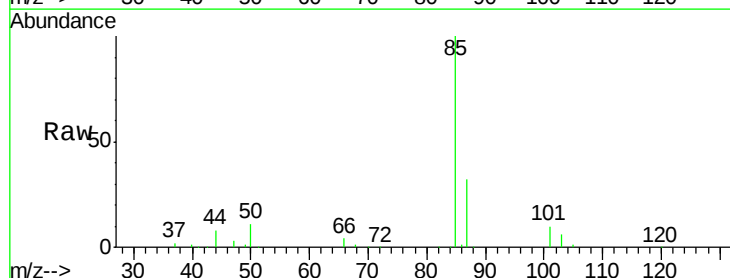
Acq: 3 Jan 2019 10:43

Tgt Ion: 85 Resp: 151943

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

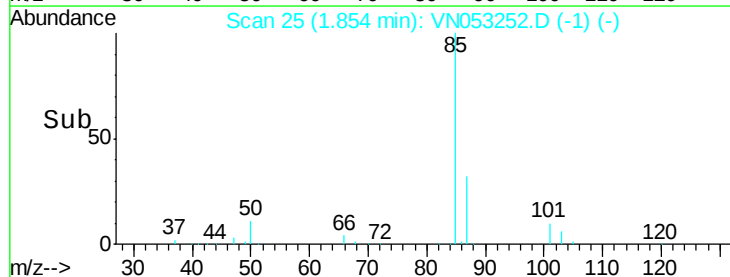
100000

50000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.686 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Instrument :

MSVOA_N

ClientSampled :

VN0103WBSD01

Tot Ion: 50 Resp: 181555

Ion Ratio Lower Upper

50 100

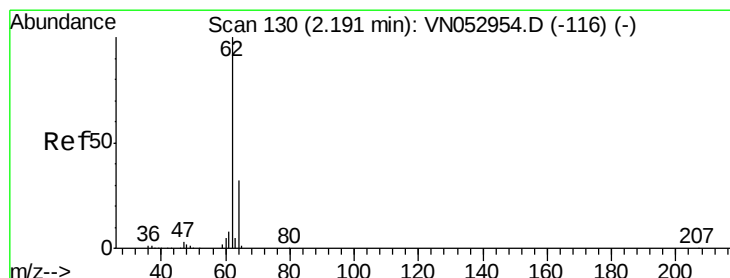
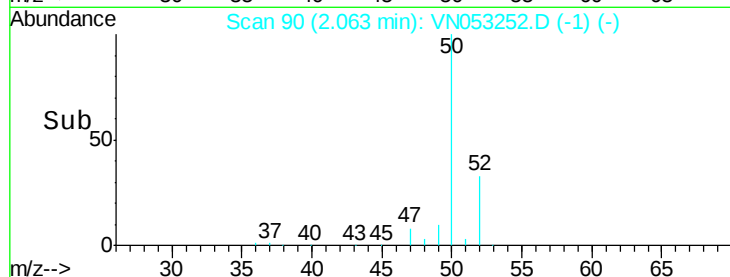
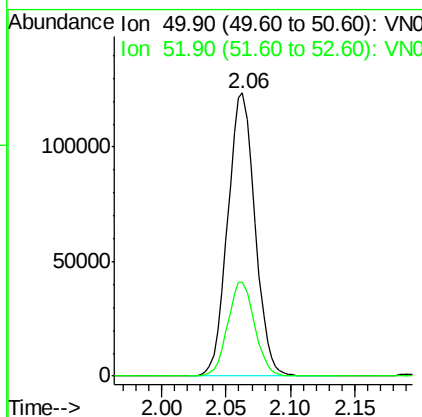
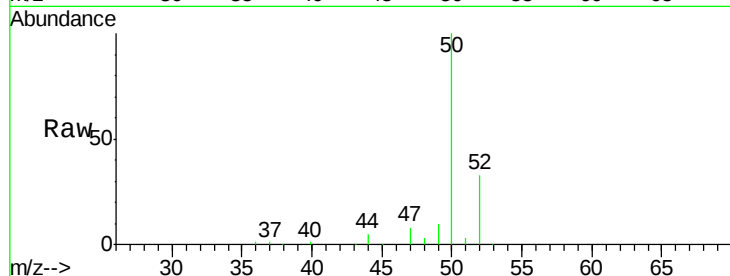
52 33.3 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.528 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053252.D

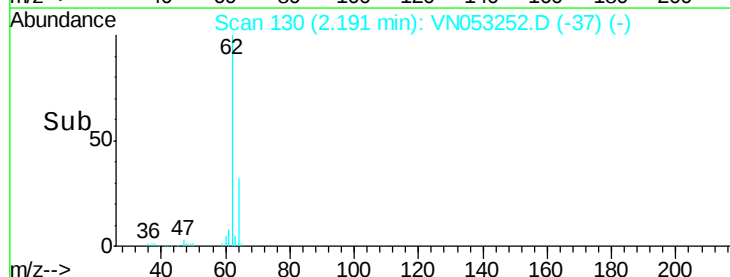
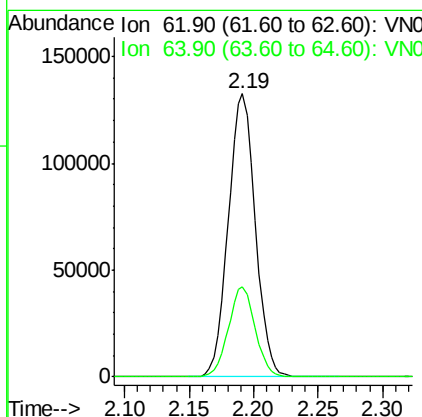
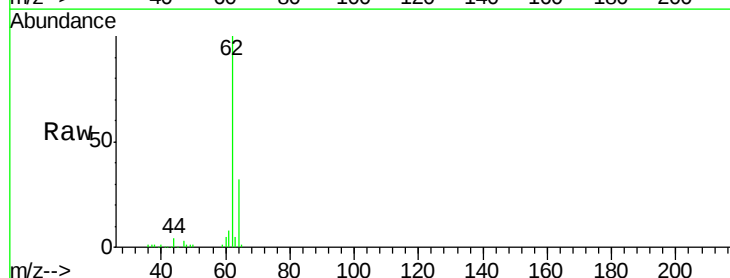
Acq: 3 Jan 2019 10:43

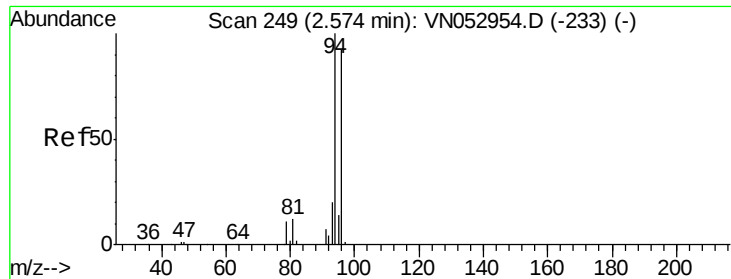
Tgt Ion: 62 Resp: 192625

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 17.830 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Instrument :

MSVOA_N

ClientSampled :

VN0103WBSD01

Tot Ion: 94 Resp: 128428

Ion Ratio Lower Upper

94 100

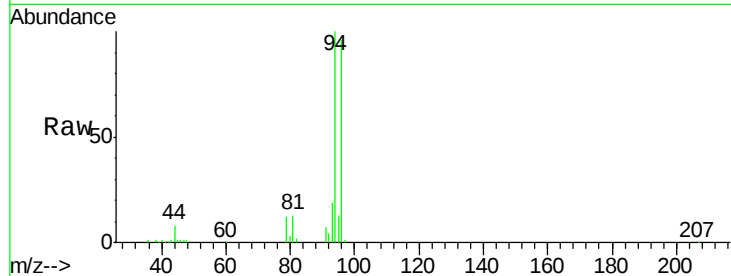
96 95.6 75.0 112.4

Manual Integrations

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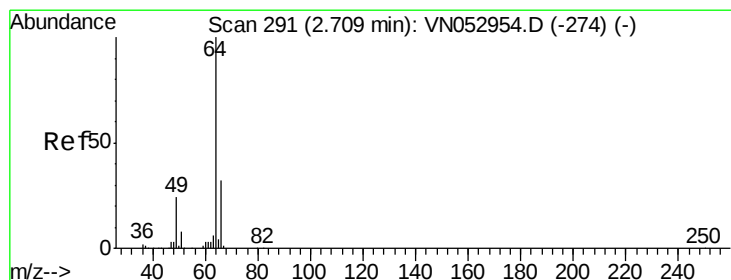
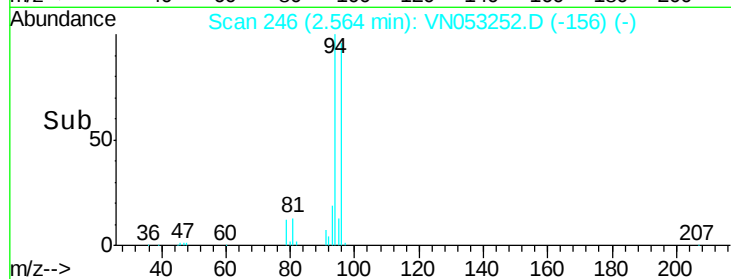
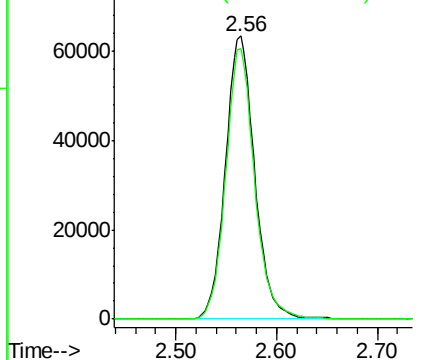
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.305 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN053252.D

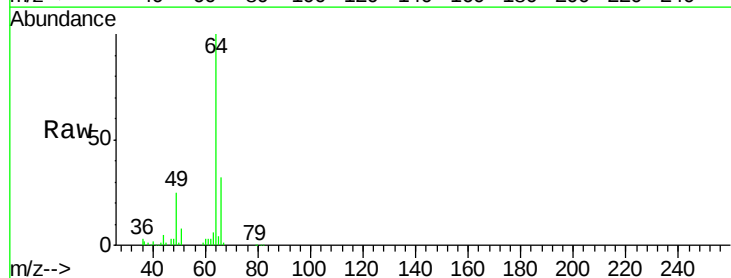
Acq: 3 Jan 2019 10:43

Tgt Ion: 64 Resp: 118863

Ion Ratio Lower Upper

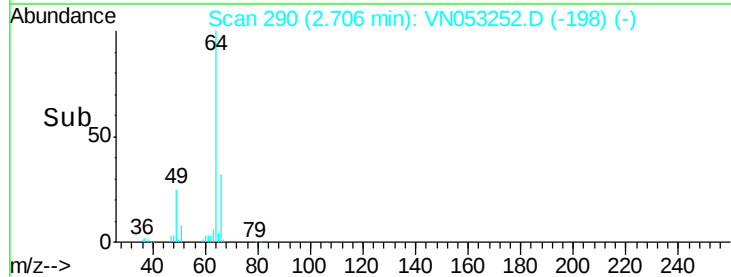
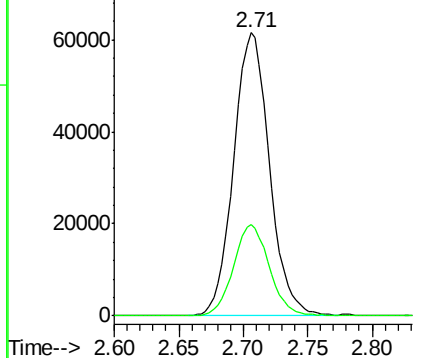
64 100

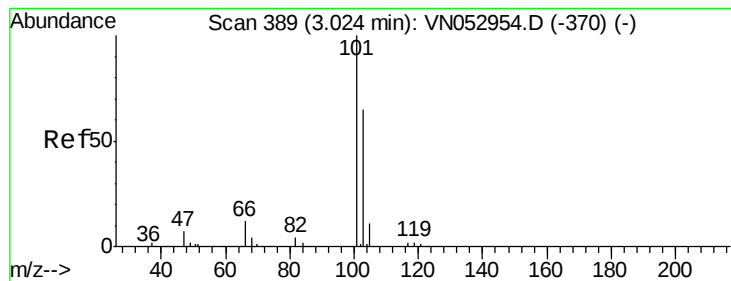
66 32.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

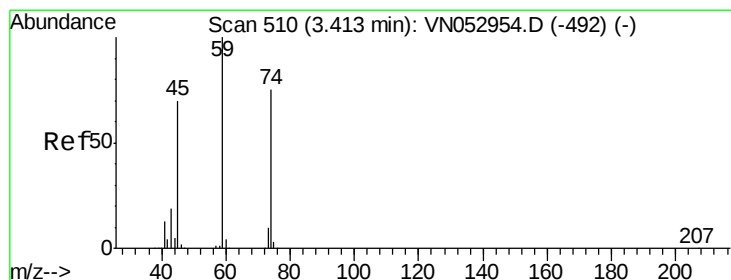
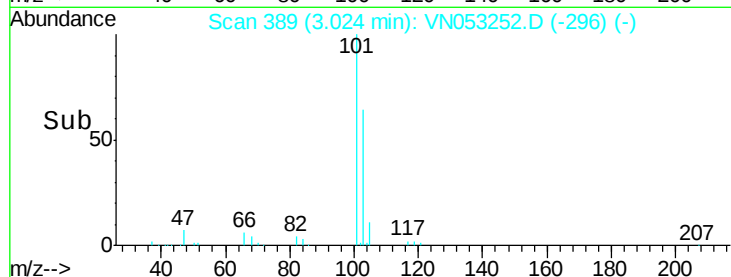
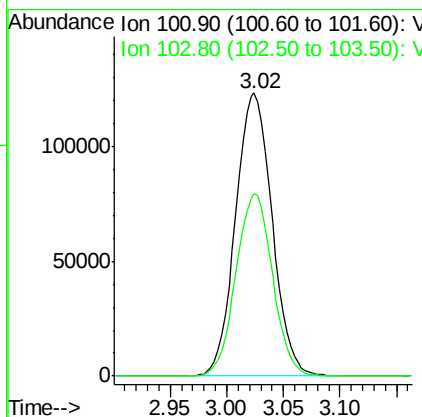
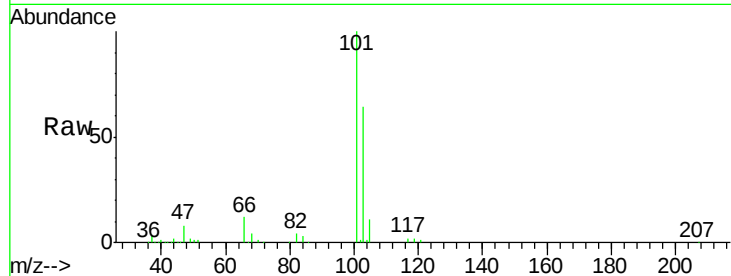
Trichlorofluoromethane
 Concen: 21.458 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Instrument :
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 ClientSampled :
 VN0103WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.8	77.6

Manual Integrations
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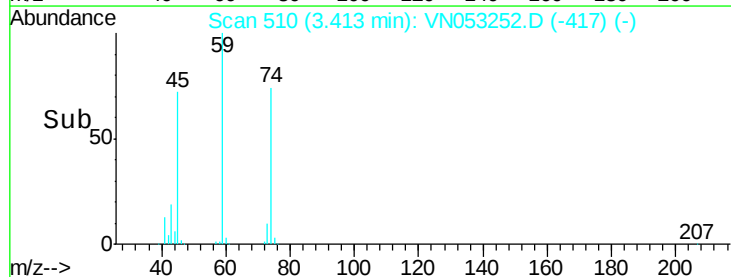
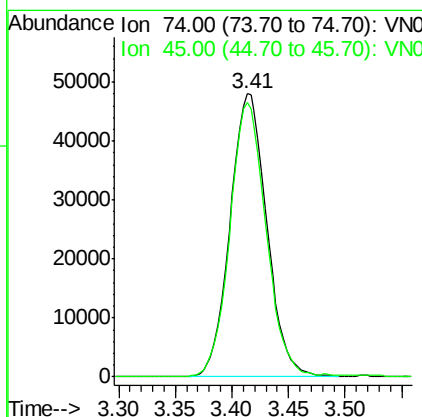
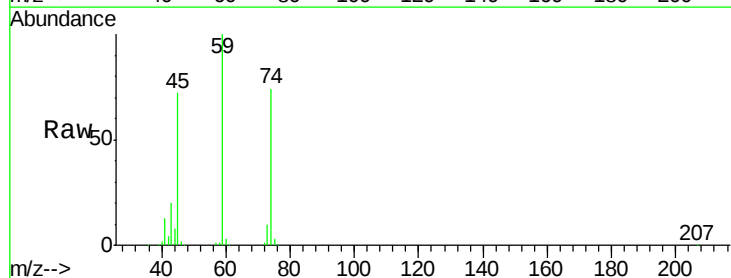
MMDadoda
 1/4/2019 12:39:02 PM

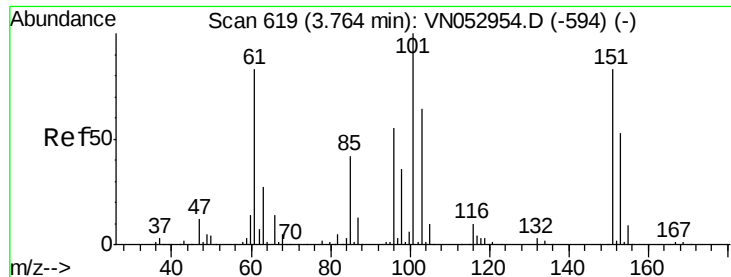


#8

Diethyl Ether
 Concen: 22.204 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.5	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.581 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Instrument :

MSVOA_N

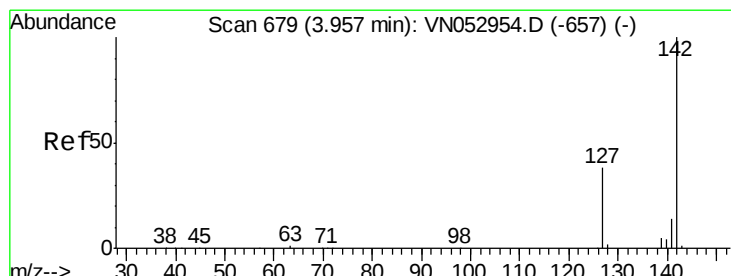
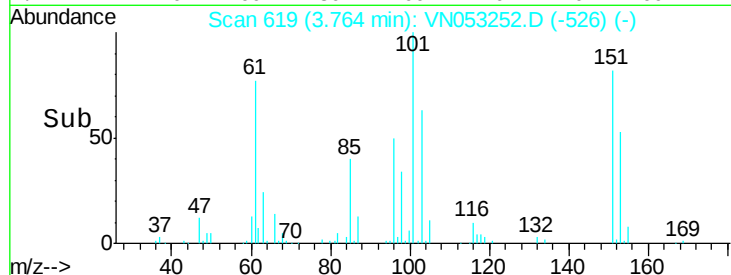
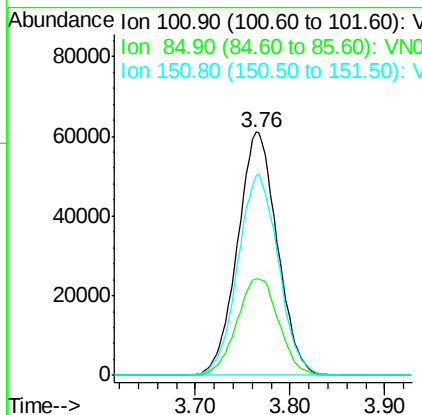
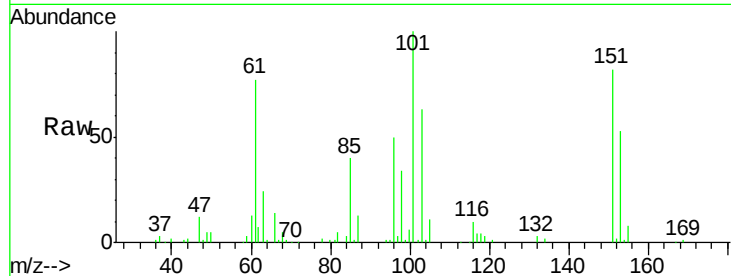
ClientSampleId :

VN0103WBSD01

Tot Ion:	101	Resp:	178207
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.6	50.4
151	84.4	65.5	98.3

Manual Integrations
APPROVED

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#10

Methyl Iodide

Concen: 20.063 ug/l

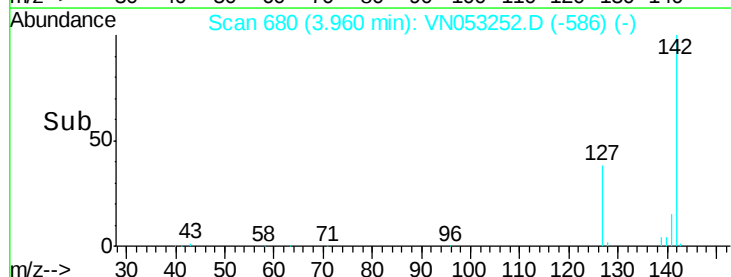
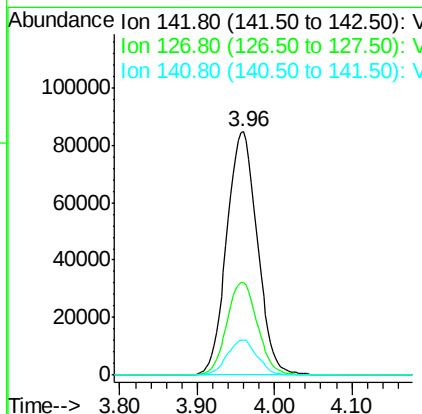
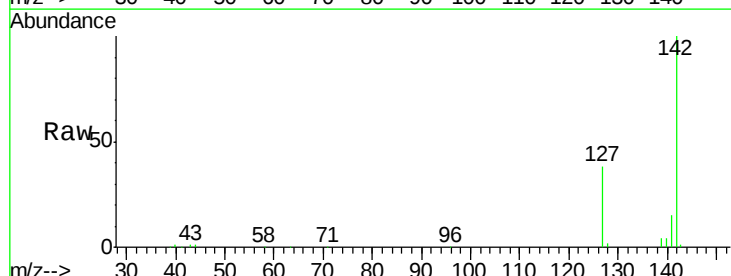
RT: 3.96 min Scan# 680

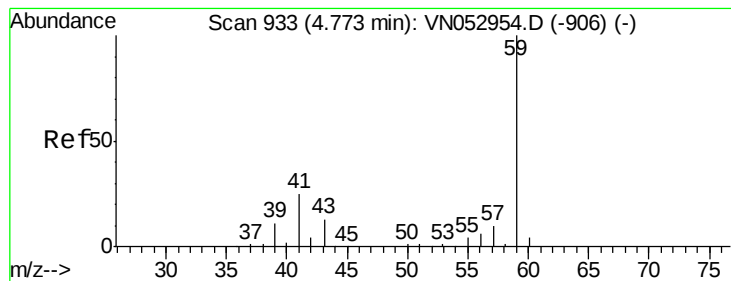
Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Tgt Ion:	142	Resp:	232654
Ion Ratio	Lower	Upper	
142	100		
127	38.2	31.0	46.6
141	14.1	11.2	16.8





#11

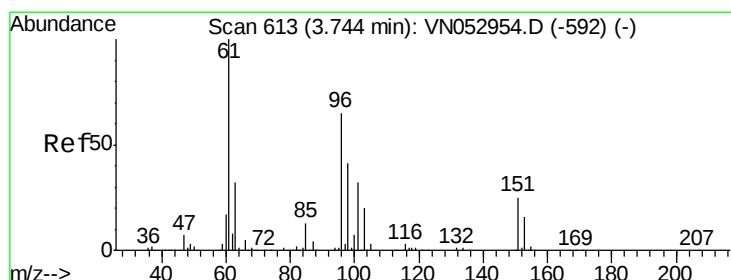
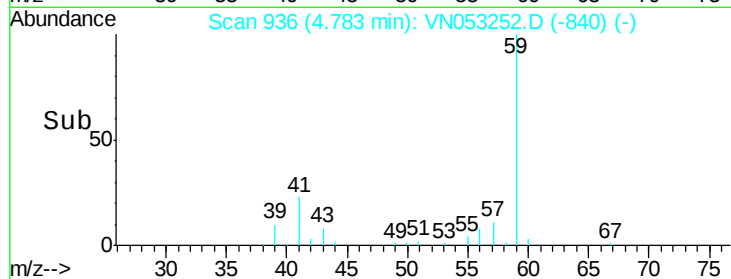
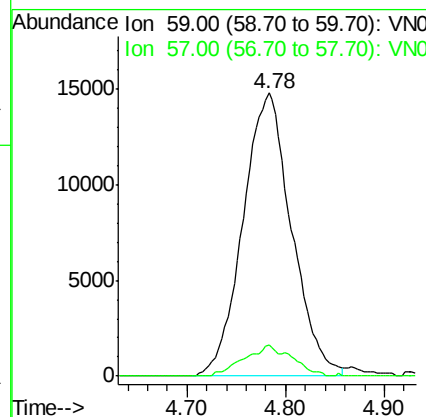
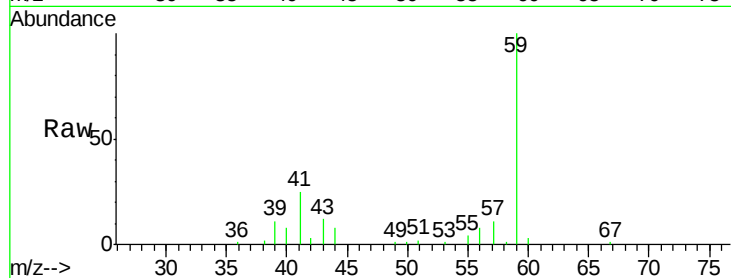
Tert butyl alcohol
 Concen: 97.142 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Instrument :
 MSVOA_N
 ClientSampled :
 VN0103WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.7	11.5

Manual Integrations
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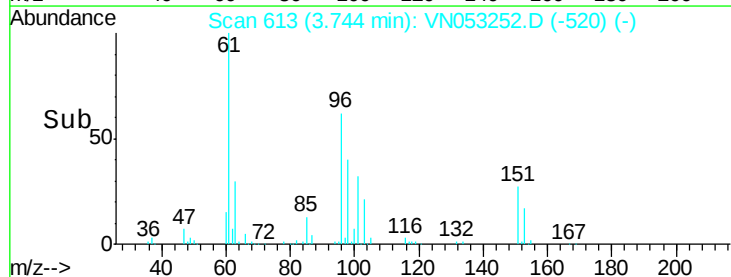
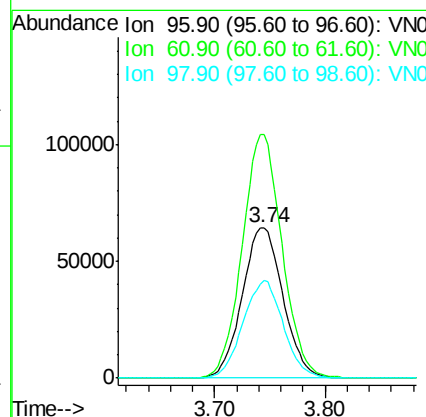
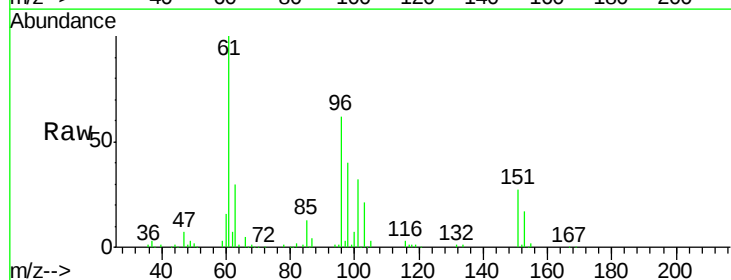
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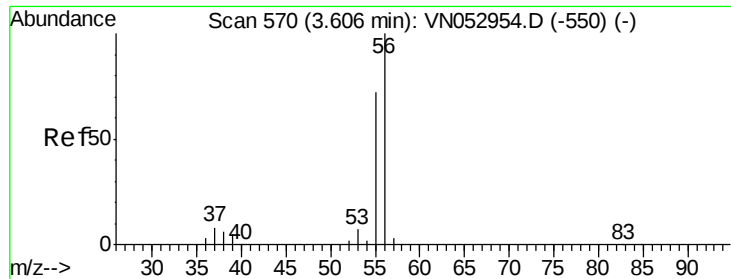


#12

1,1-Dichloroethene
 Concen: 20.716 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.3	125.6	188.4
98	64.9	50.6	75.8





#13

Acrolein

Concen: 89.065 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Instrument :

MSVOA_N

ClientSampled :

VN0103WBSD01

Tot Ion: 56 Resp: 41855

Ion Ratio Lower Upper

56 100

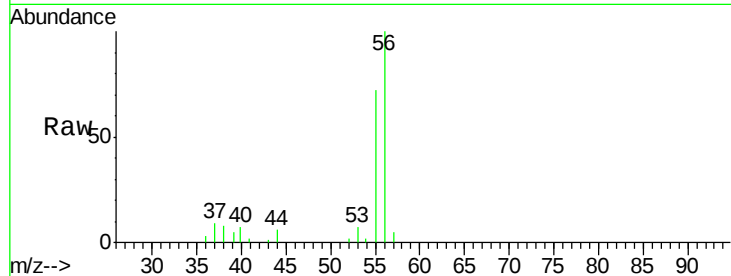
55 71.5 56.6 85.0

Manual Integrations

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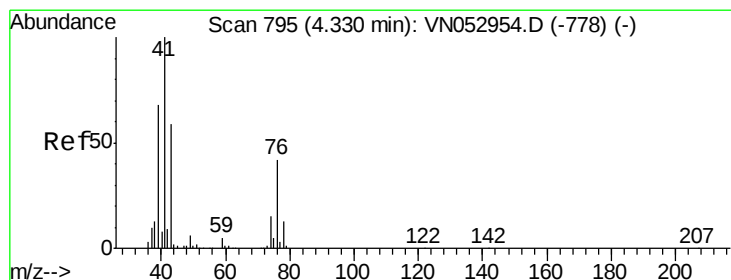
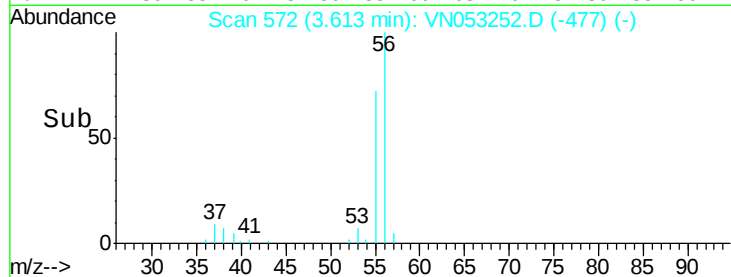
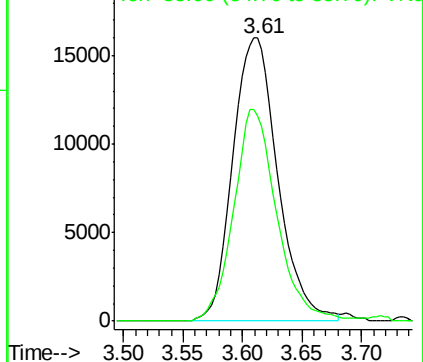
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 22.615 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

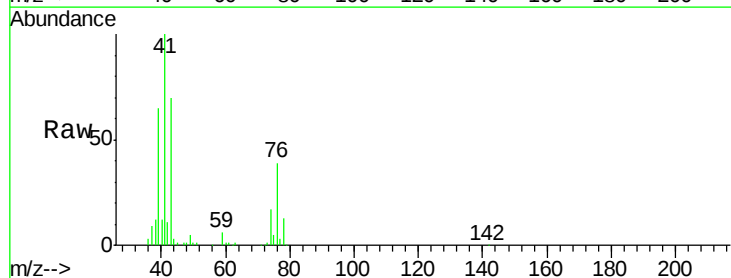
Tgt Ion: 41 Resp: 279463

Ion Ratio Lower Upper

41 100

39 61.8 54.1 81.1

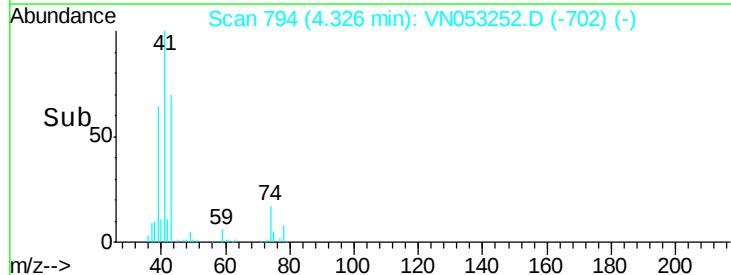
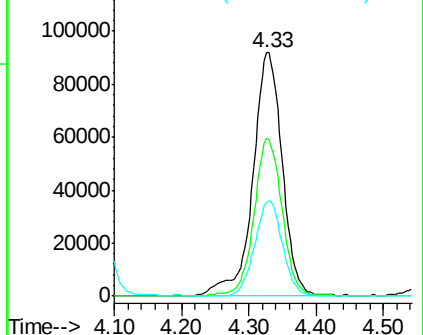
76 37.0 30.3 45.5



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 112.229 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Instrument :

MSVOA_N

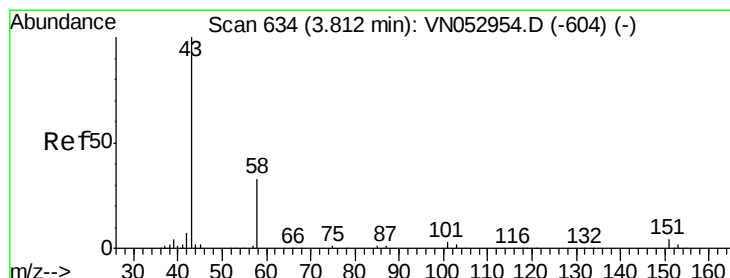
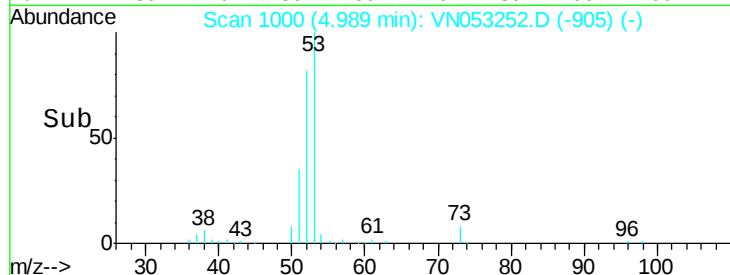
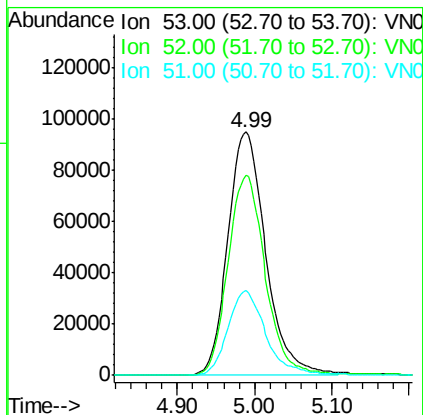
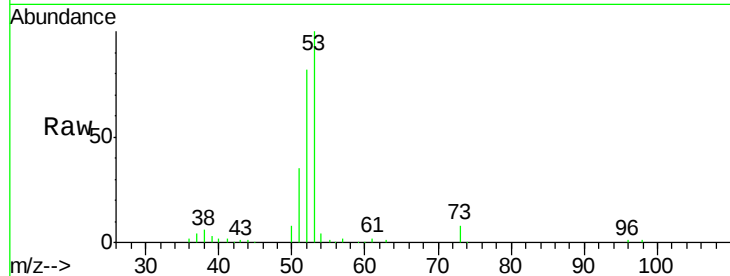
ClientSampleId :

VN0103WBSD01

Tot Ion	53	Resp	323136
Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.1	97.7
51	35.0	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 134.717 ug/l

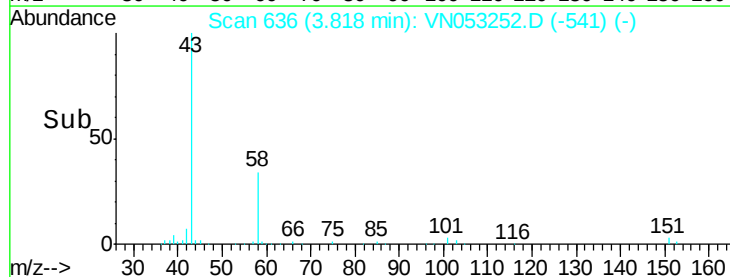
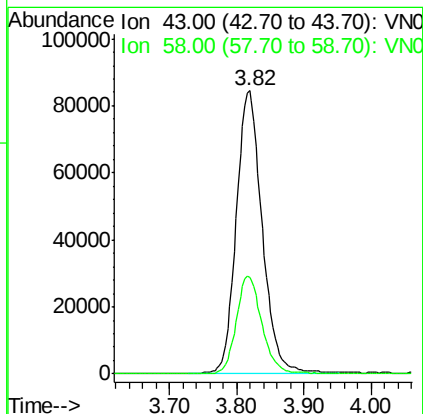
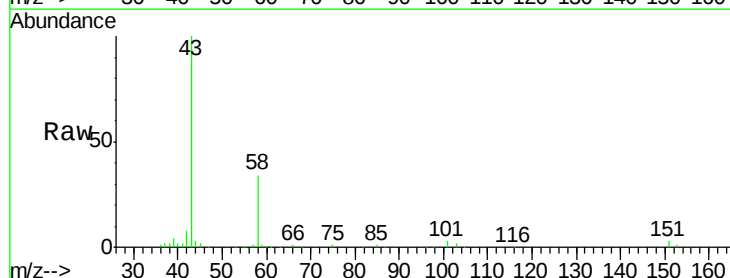
RT: 3.82 min Scan# 636

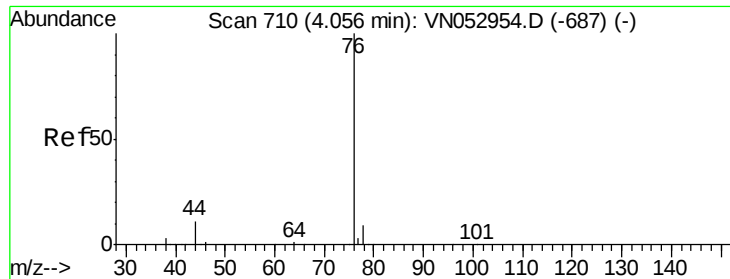
Delta R.T. 0.01 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Tgt Ion	43	Resp	224358
Ion	Ratio	Lower	Upper
43	100		
58	34.0	25.4	38.0





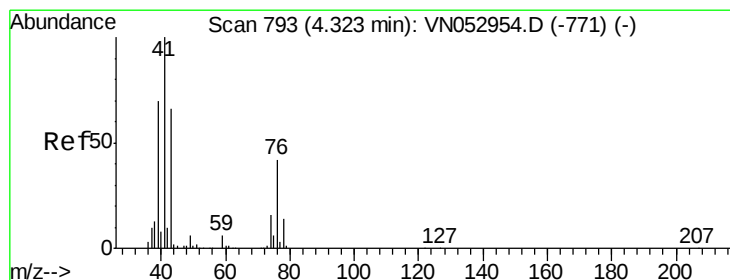
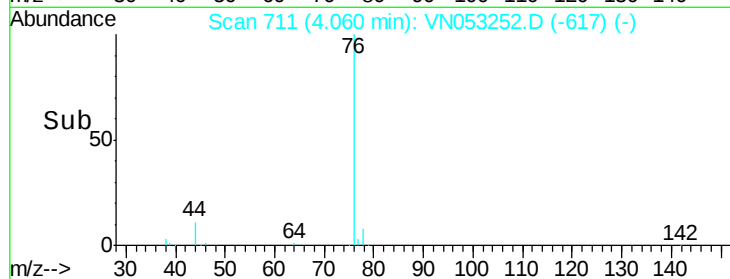
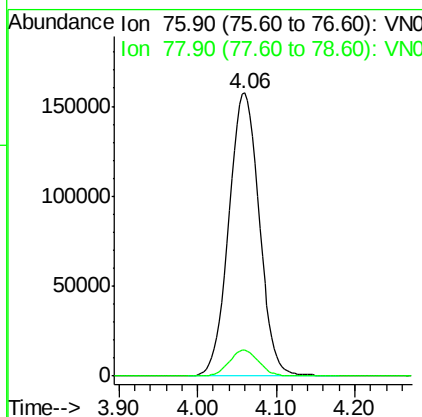
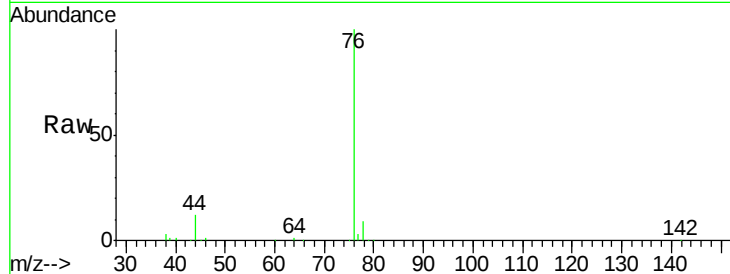
#17
Carbon Disulfide
Concen: 16.273 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Instrument :
MSVOA_N
ClientSampled :
VN0103WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

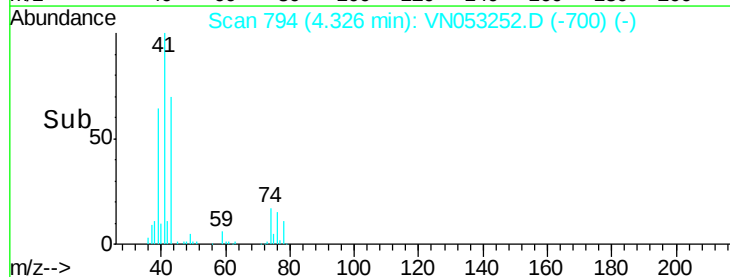
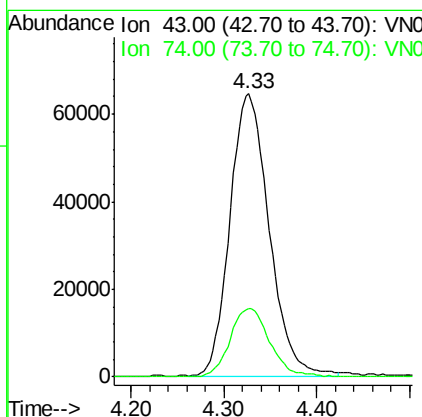
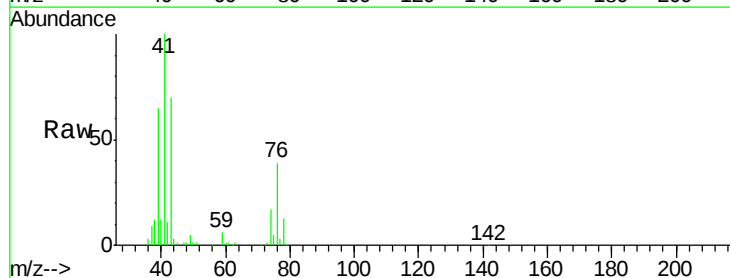
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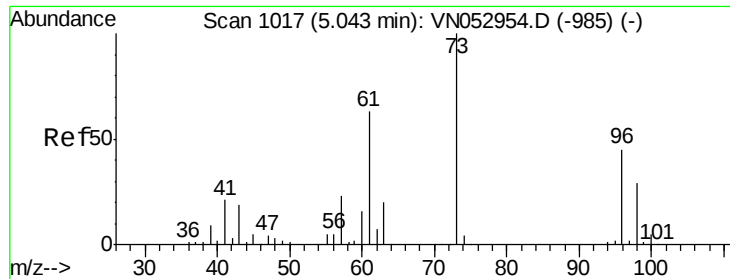
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#18
Methyl Acetate
Concen: 25.489 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.2	28.8





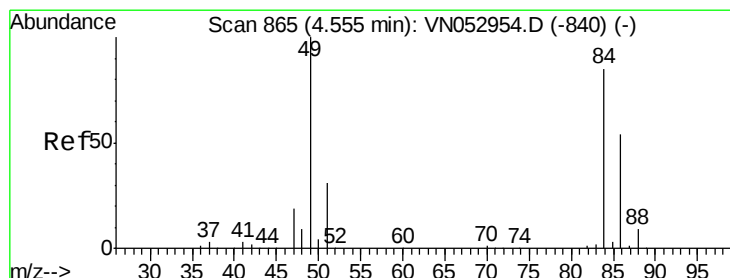
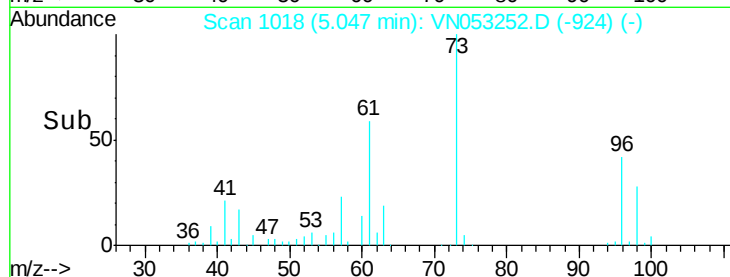
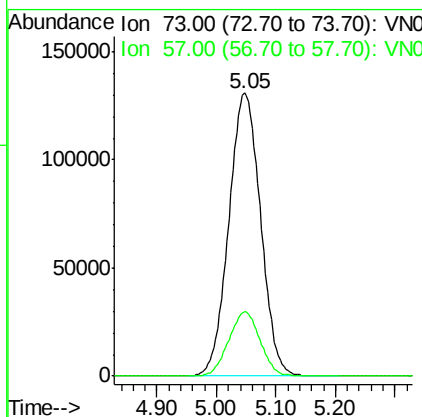
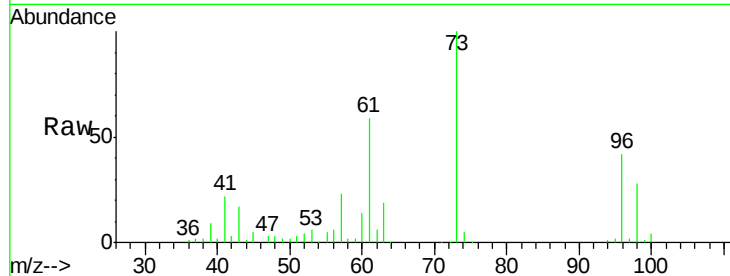
#19
Methvl tert-butvl Ether
Concen: 22.768 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0103WBSD01

Tot Ion: 73 Resp: 486082
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6

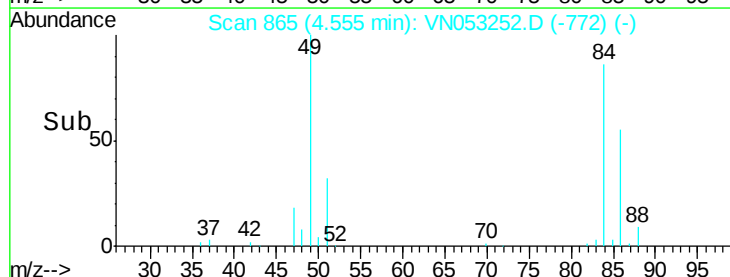
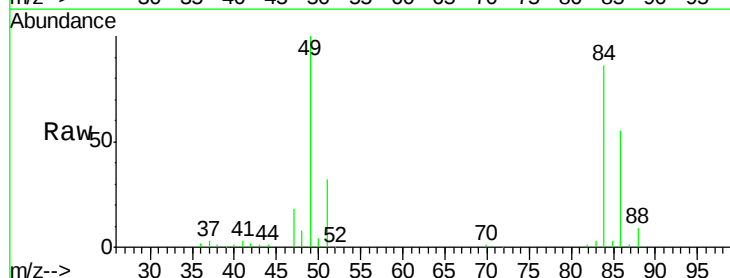
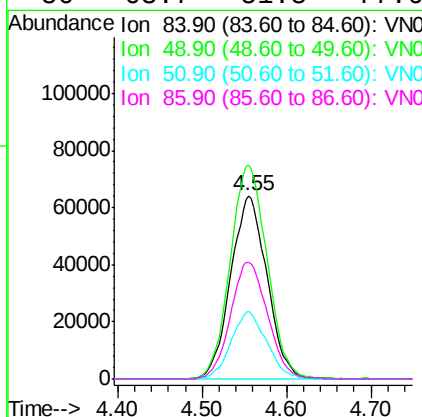
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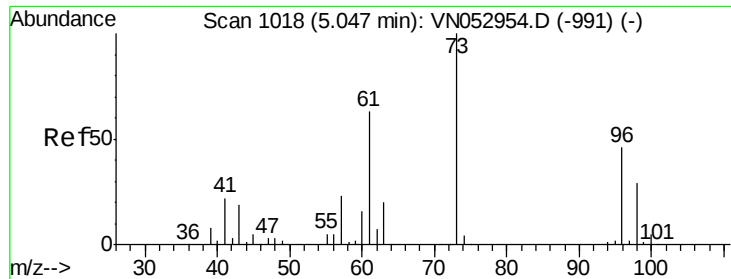
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#20
Methylene Chloride
Concen: 21.166 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Tgt Ion: 84 Resp: 192284
Ion Ratio Lower Upper
84 100
49 116.2 96.8 145.2
51 36.9 29.9 44.9
86 63.7 51.8 77.6





#21

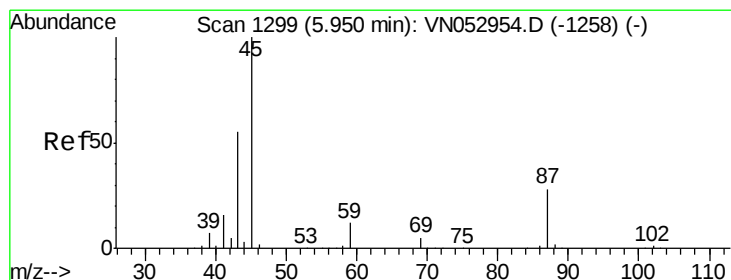
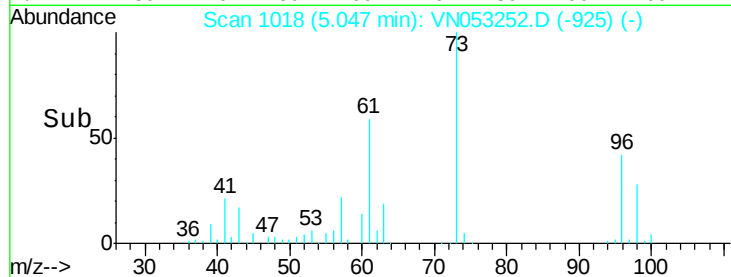
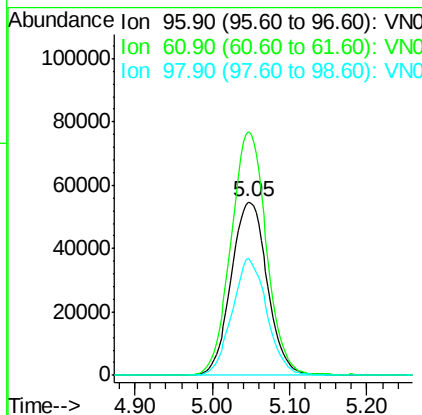
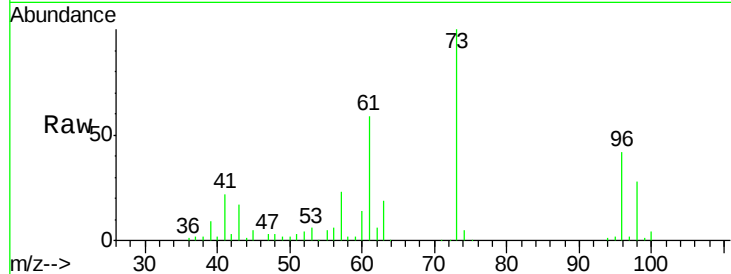
trans-1,2-Dichloroethene
Concen: 20.751 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0103WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.4	110.8	166.2
98	67.2	51.4	77.2

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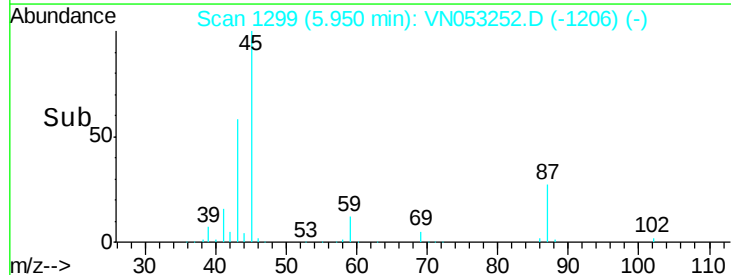
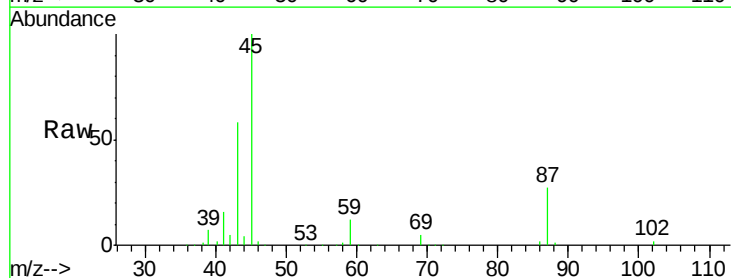
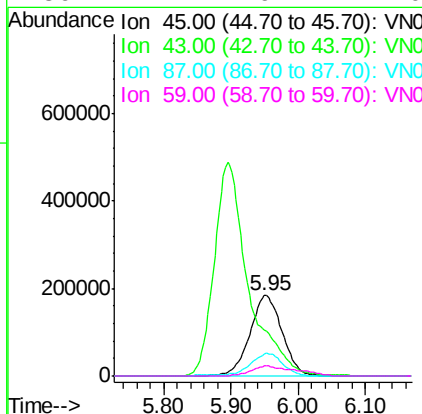
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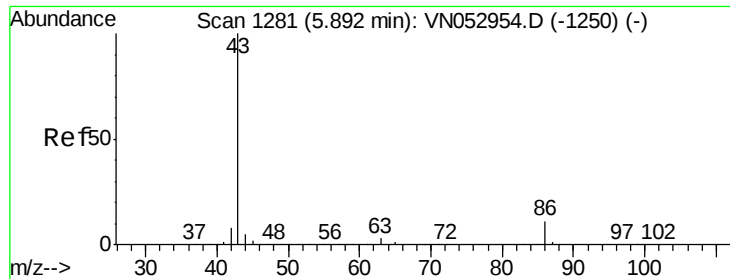


#22

Diisopropyl ether
Concen: 23.250 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.5	45.5	68.3
87	27.2	22.0	33.0
59	12.2	9.4	14.0





#23

Vinyl Acetate

Concen: 113.679 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0103WBSD01

Tot Ion: 43 Resp: 1724220

Ion Ratio Lower Upper

43 100

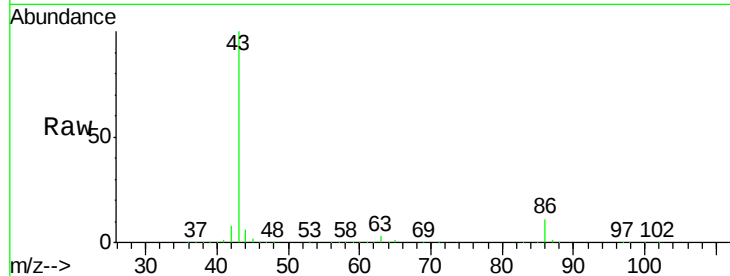
86 10.6 8.1 12.1

Manual Integrations

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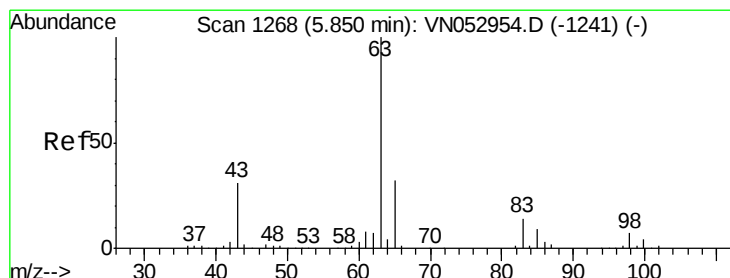
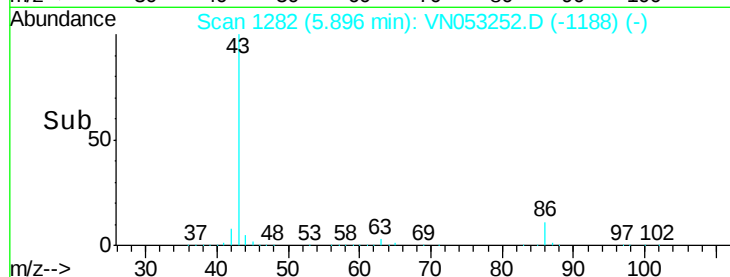
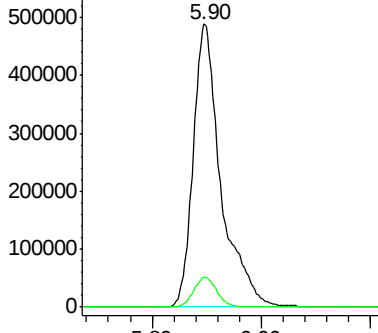
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 22.442 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

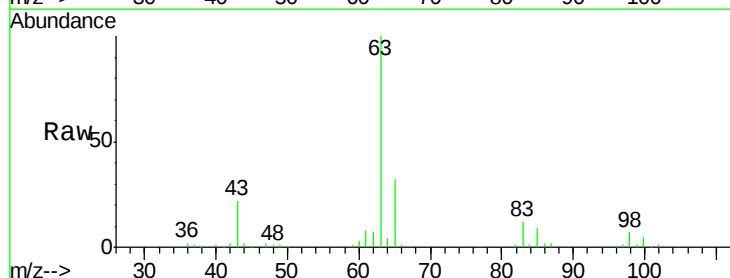
Tgt Ion: 63 Resp: 351743

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.4

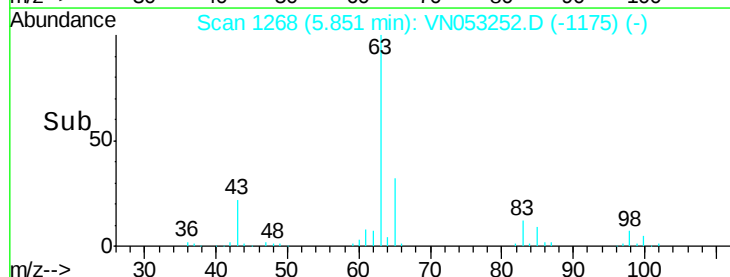
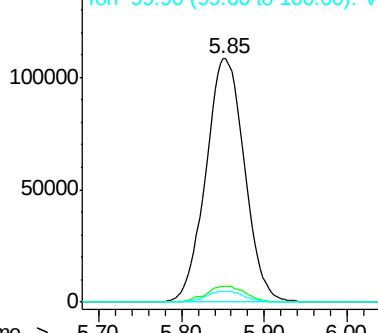
100 4.5 2.0 5.8

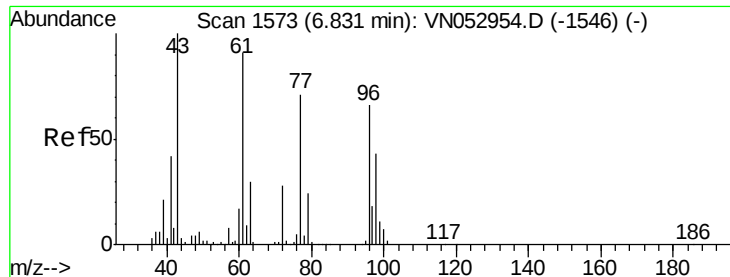


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





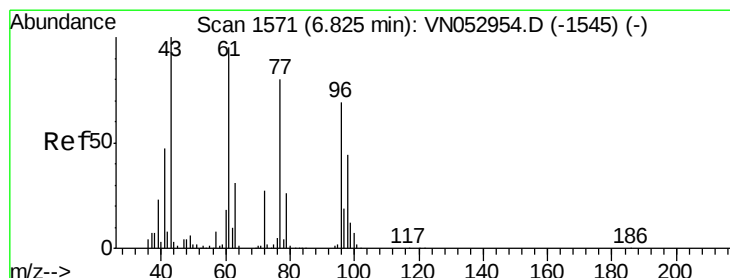
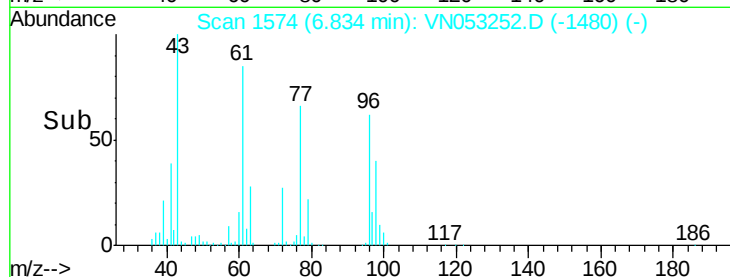
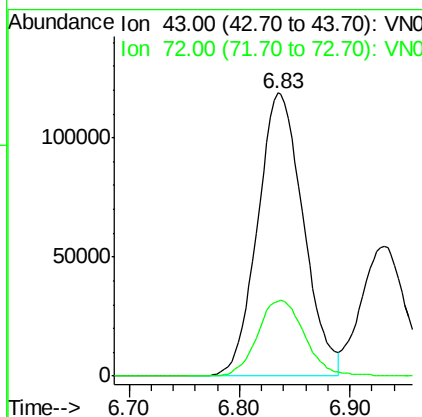
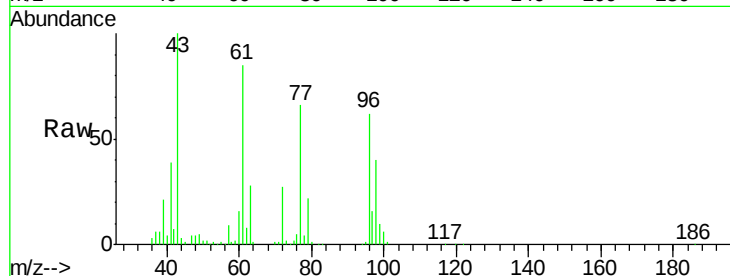
#25
2-Butanone
Concen: 121.685 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Instrument :
MSVOA_N
ClientSampled :
VN0103WBSD01

Tot Ion: 43 Resp: 340105
Ion Ratio Lower Upper
43 100
72 26.6 21.0 31.6

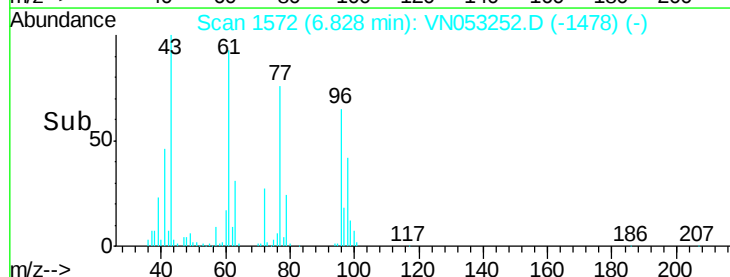
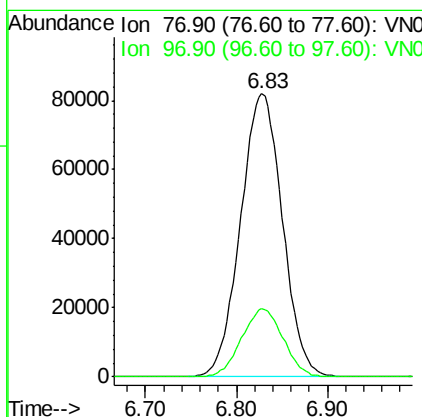
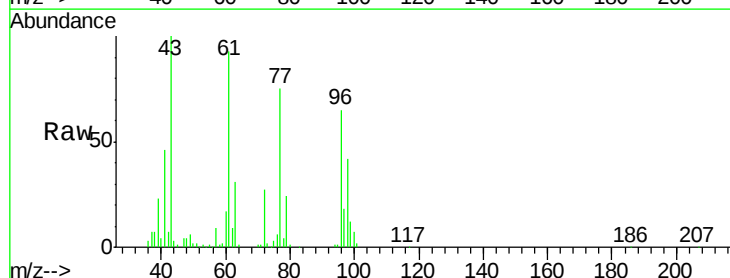
Manual Integrations
APPROVED

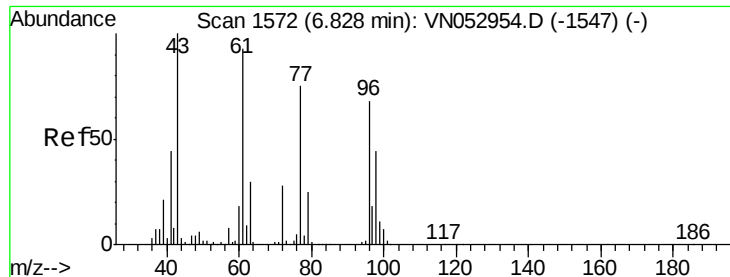
MMDadoda
1/4/2019 12:39:02 PM



#26
2,2-Dichloropropane
Concen: 21.924 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Tgt Ion: 77 Resp: 262312
Ion Ratio Lower Upper
77 100
97 23.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.022 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Instrument :

MSVOA_N

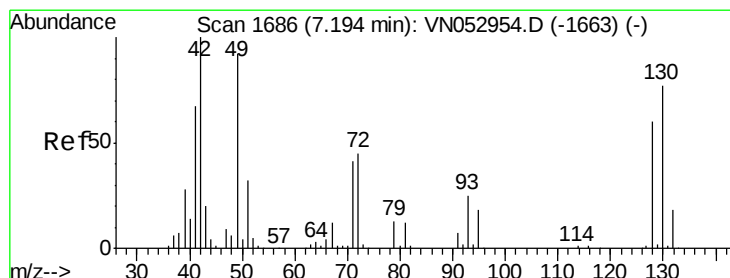
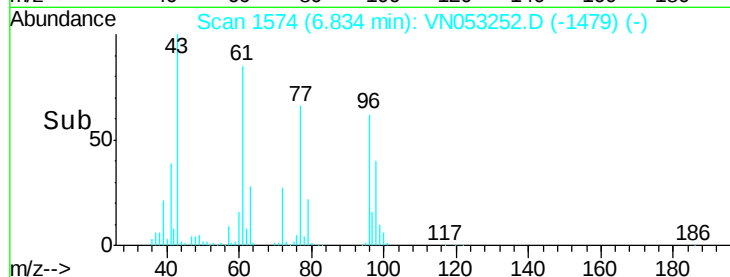
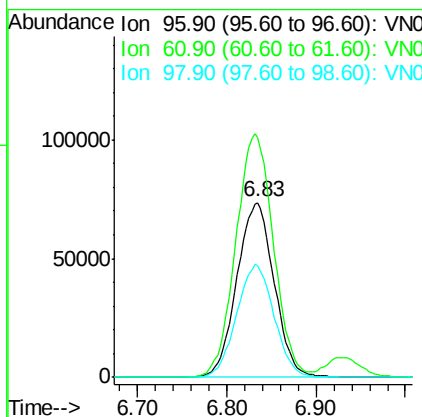
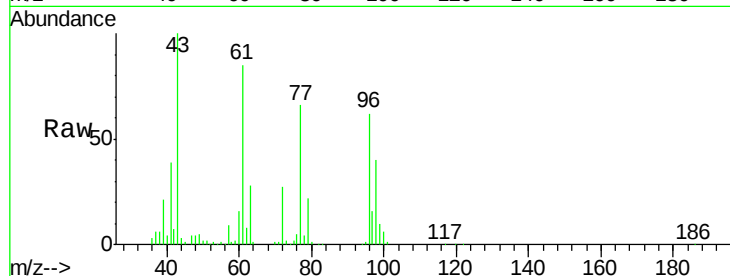
ClientSampleId :

VN0103WBSD01

Tot Ion:	96	Resp:	213692
Ion	Ratio	Lower	Upper
96	100		
61	140.6	0.0	284.2
98	65.0	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 20.058 ug/l

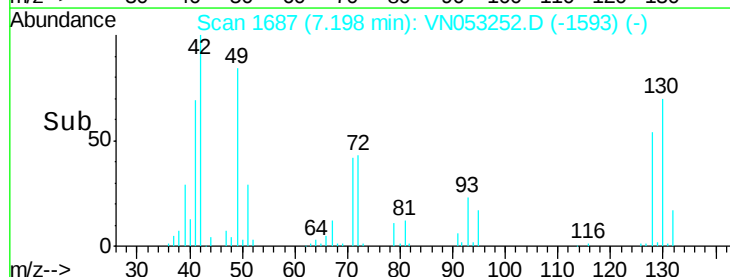
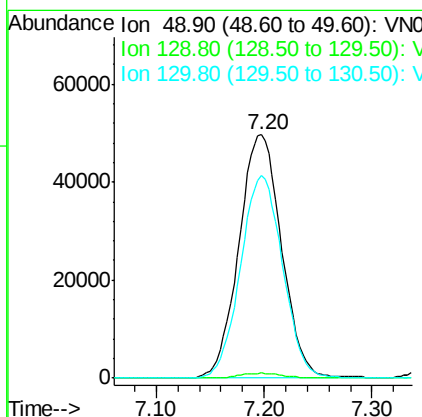
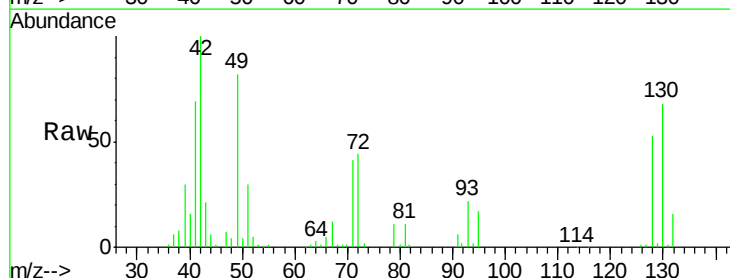
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Tgt Ion:	49	Resp:	136230
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	82.4	63.3	94.9





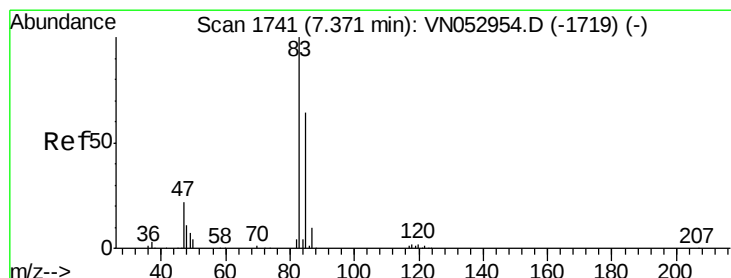
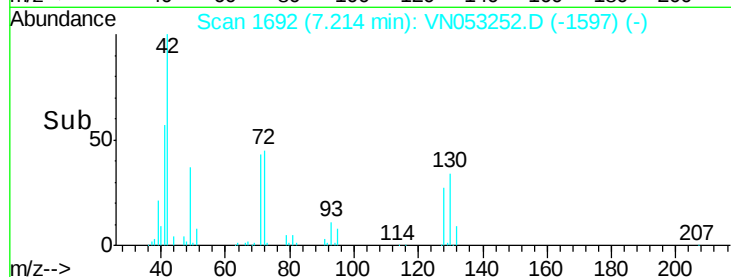
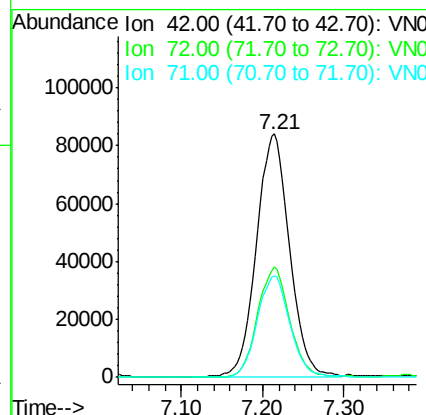
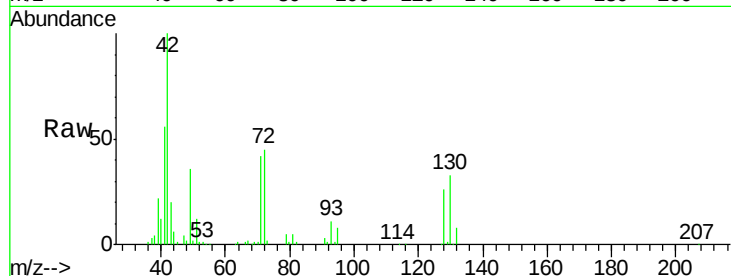
#29
Tetrahydrofuran
Concen: 113.322 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0103WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	34.7	52.1
71	40.9	32.3	48.5

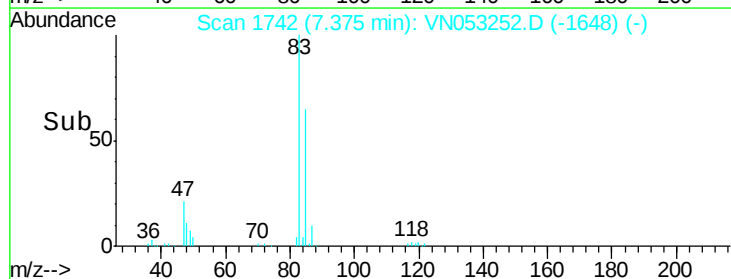
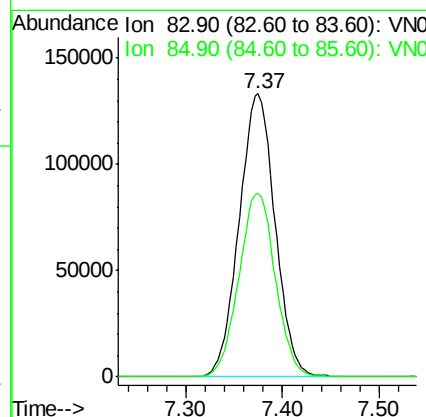
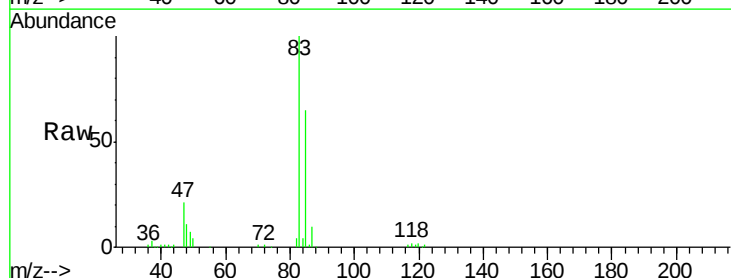
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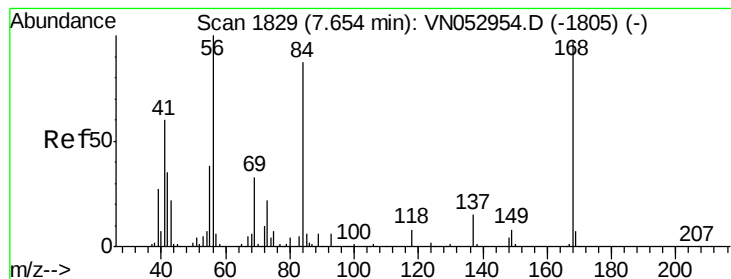
MMDadoda
1/4/2019 12:39:02 PM



#30
Chloroform
Concen: 22.357 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.1	78.1





#31

Cyclohexane

Concen: 20.562 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Instrument :

MSVOA_N

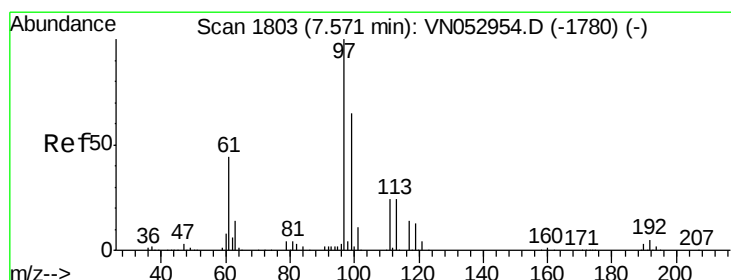
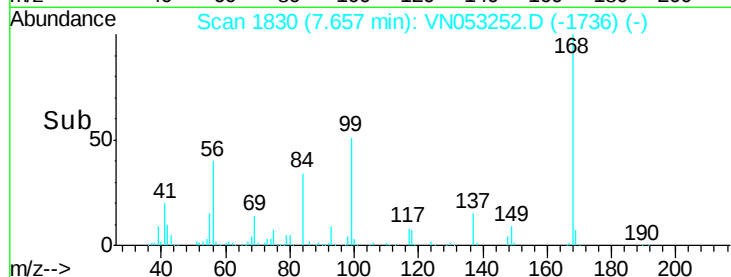
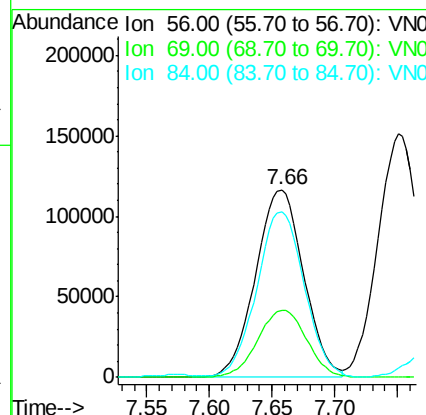
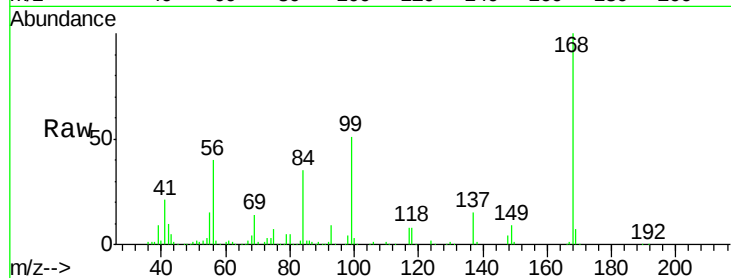
ClientSampled :

VN0103WBSD01

Tot Ion:	56	Resp:	311356
Ion Ratio	Lower	Upper	
56	100		
69	35.8	26.6	39.8
84	87.1	68.4	102.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.541 ug/l

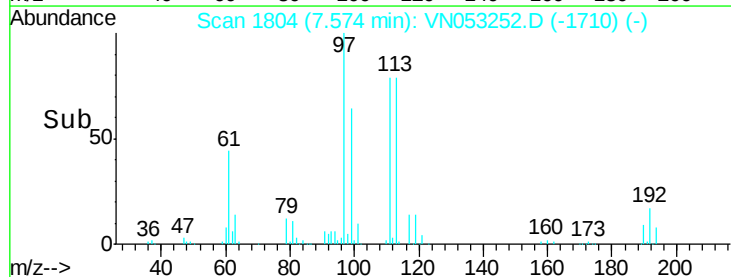
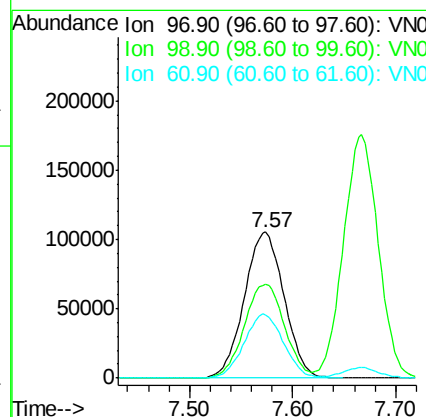
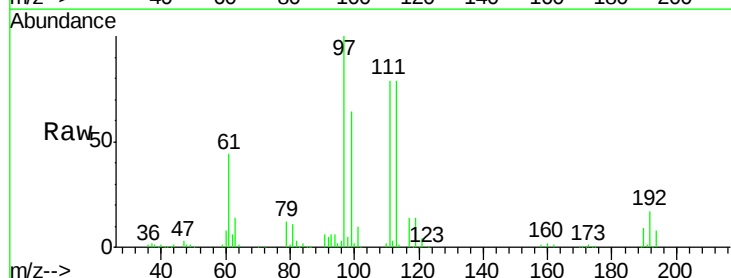
RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Tgt Ion:	97	Resp:	282539
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.1	76.7
61	43.4	35.0	52.6





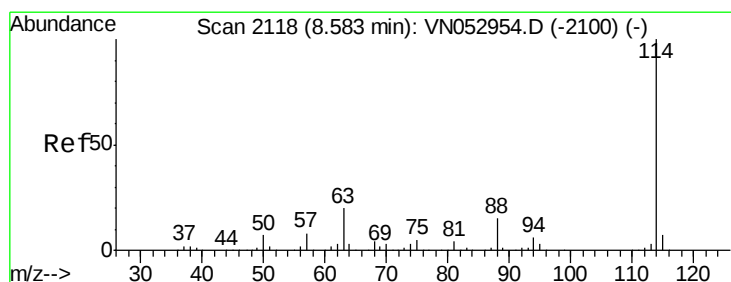
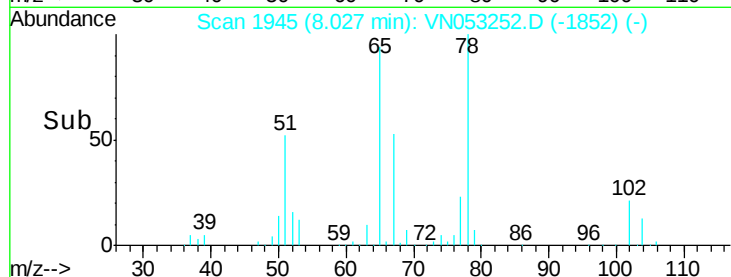
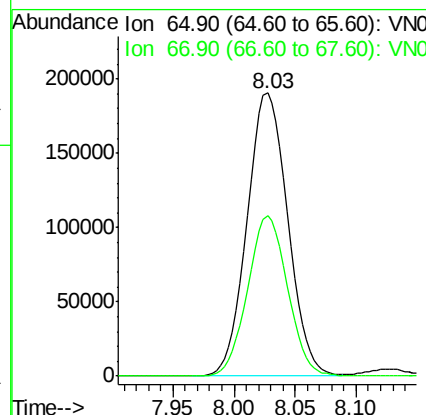
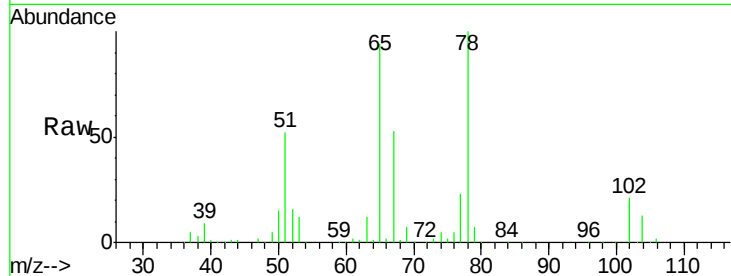
#33
 1,2-Dichloroethane-d4
 Concen: 21.541 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0103WBSD01

Tot Ion: 65 Resp: 440430
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.4

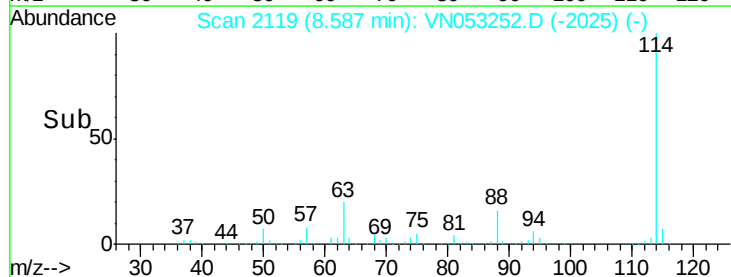
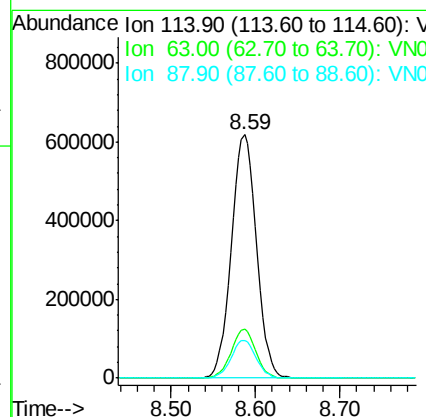
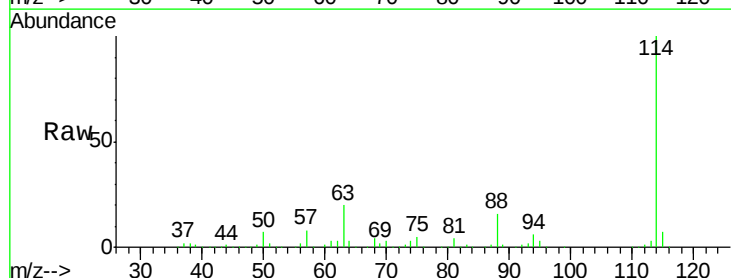
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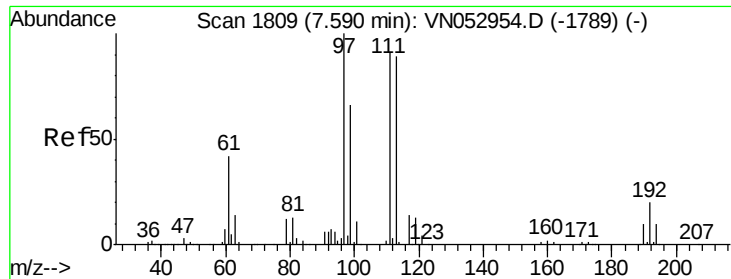
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Tgt Ion: 114 Resp: 1277464
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.6 0.0 31.0





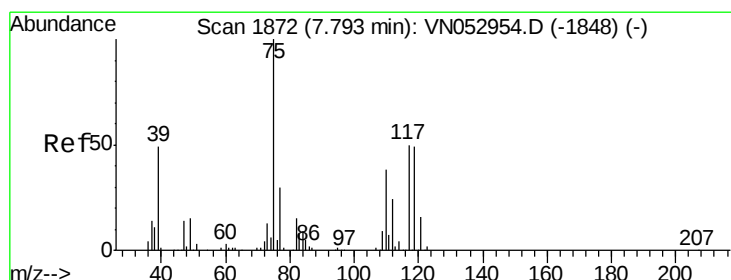
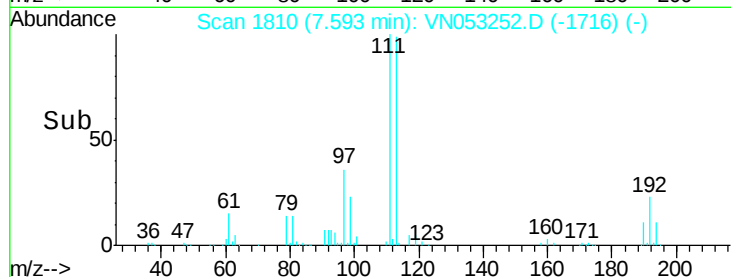
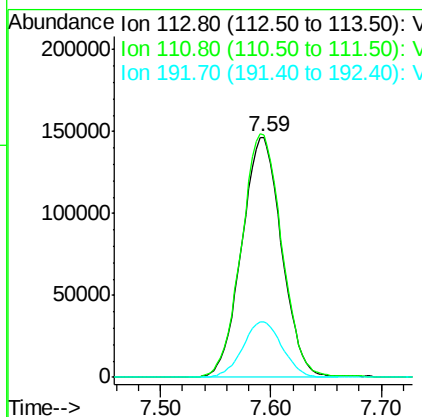
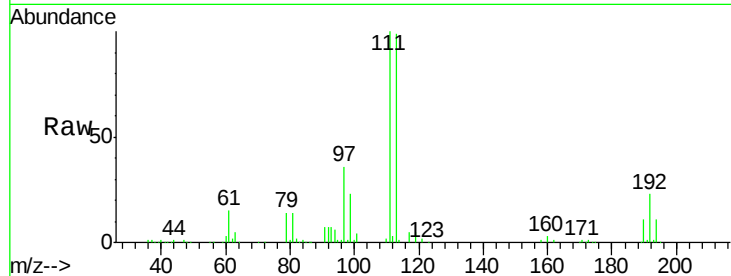
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0103WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	366932		
111	103.1	83.0	124.4	
192	22.8	17.5	26.3	

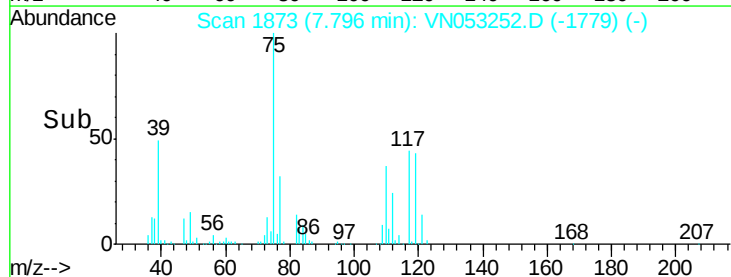
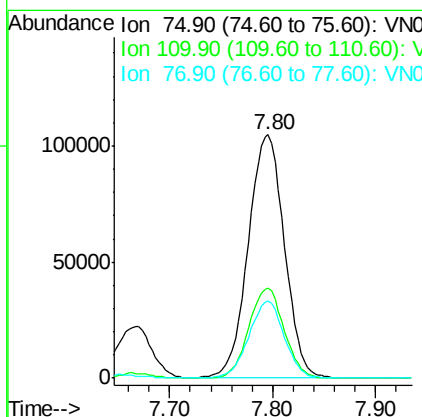
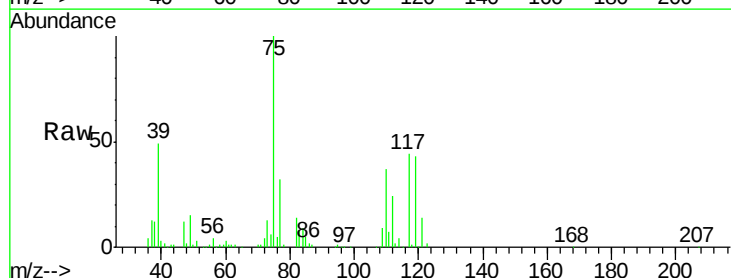
Manual Integrations
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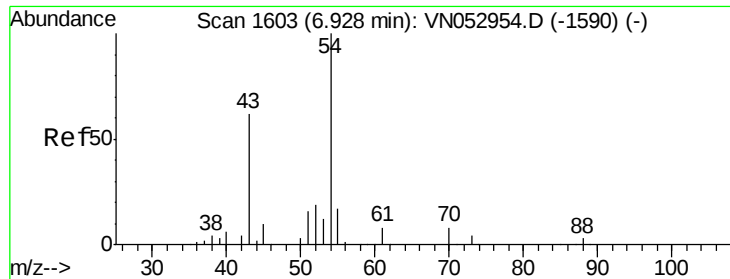
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#36
 1,1-Dichloropropene
 Concen: 20.701 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	253822		
110	36.3	18.2	54.6	
77	31.3	24.9	37.3	





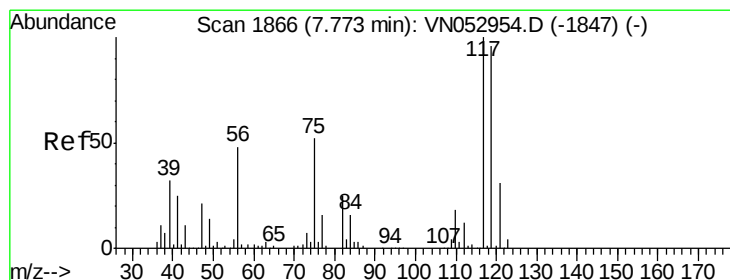
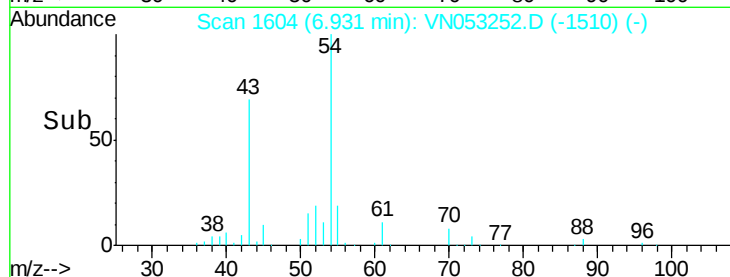
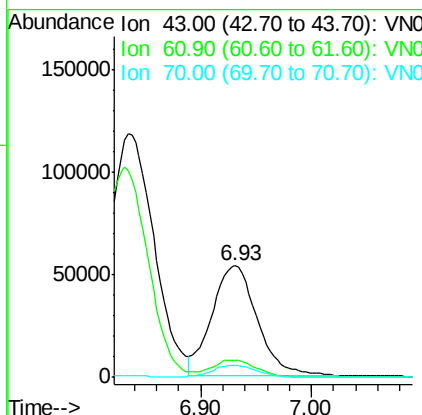
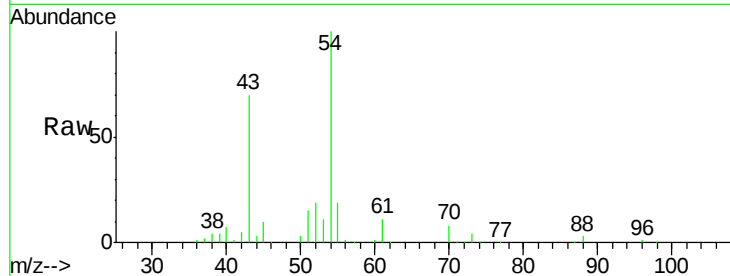
#37
Ethyl Acetate
Concen: 22.580 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0103WBSD01

Tot Ion	43	61	70	Resp	Lower	Upper
154561	100	14.8	10.9			
		11.8	8.4			
		17.6	12.6			

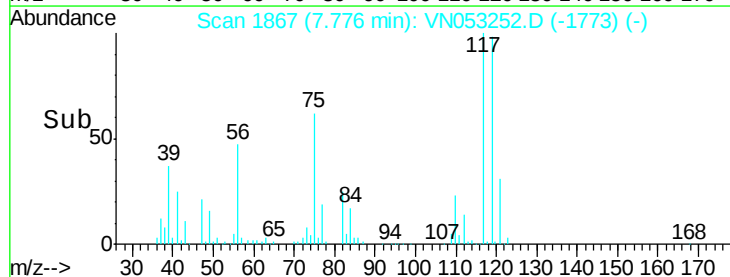
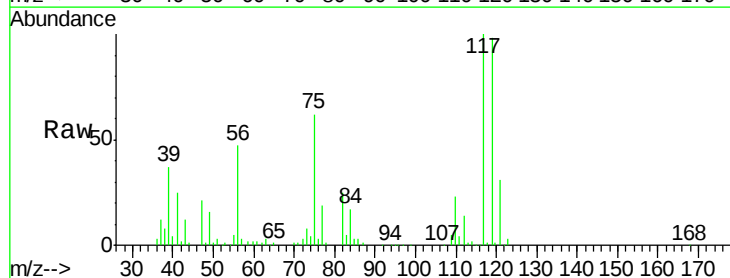
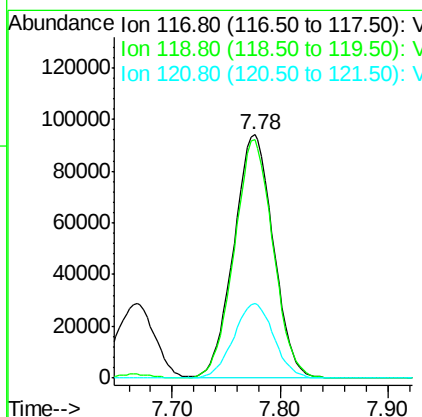
Manual Integrations
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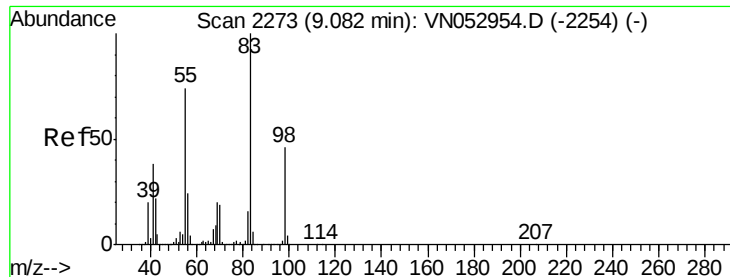
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.318 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Tgt Ion	117	119	121	Resp	Lower	Upper
239592	100	97.8	30.8			
		77.1	24.9			
		115.7	37.3			





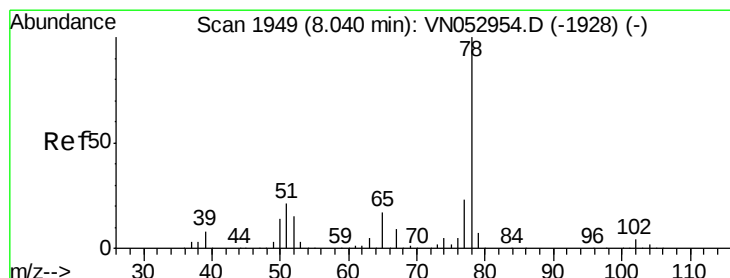
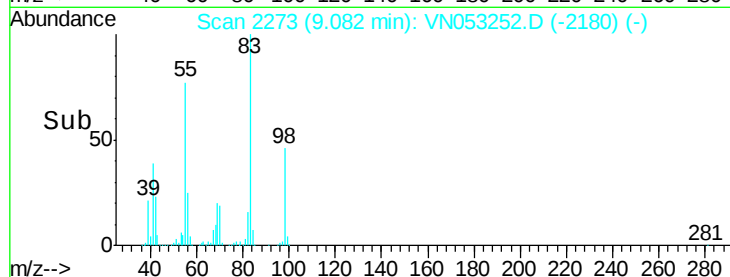
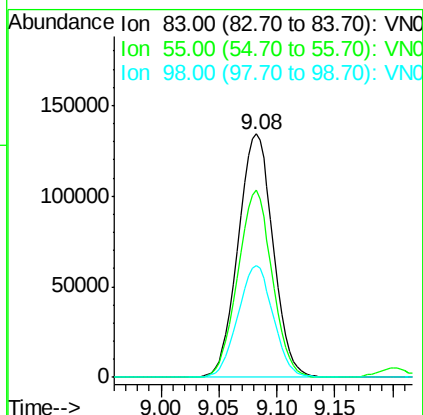
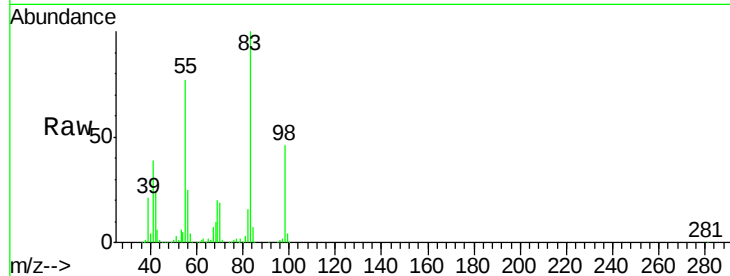
#39
Methvlcvclohexane
Concen: 18.875 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0103WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	61.3	91.9
98	45.9	37.0	55.4

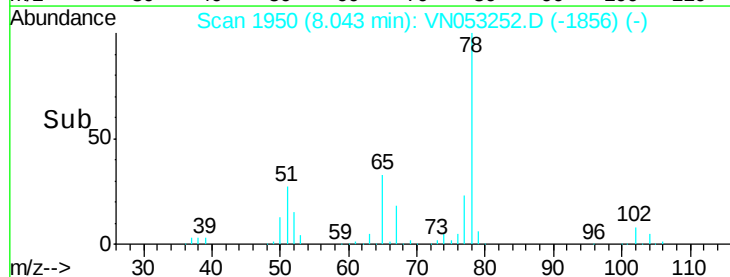
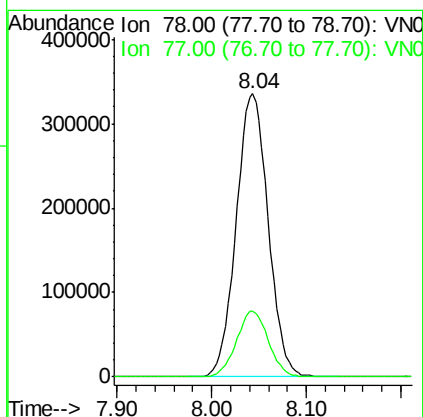
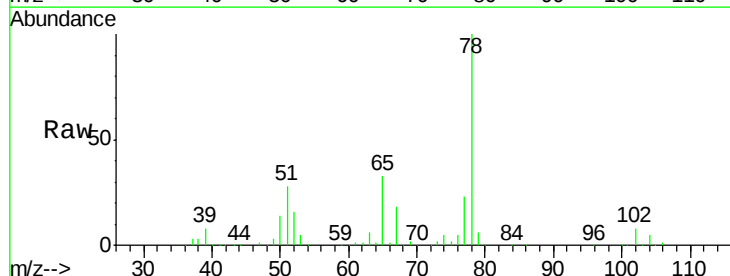
Manual Integrations
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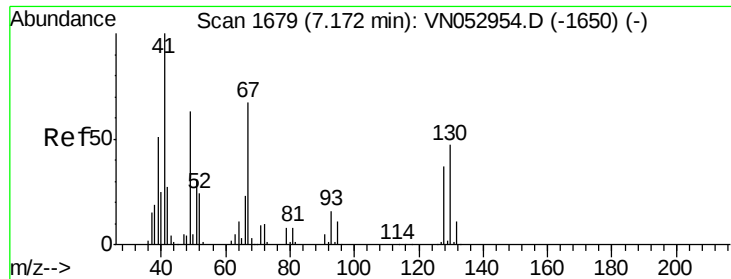
MMDadoda
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#40
Benzene
Concen: 21.578 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.5	27.7





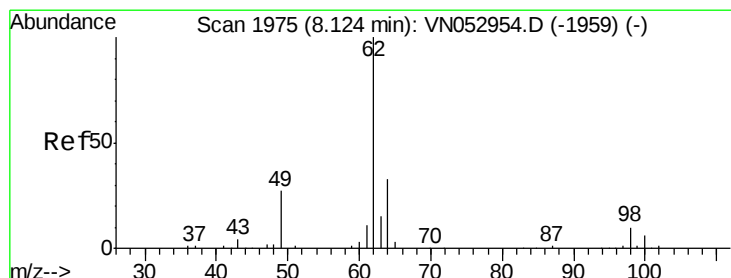
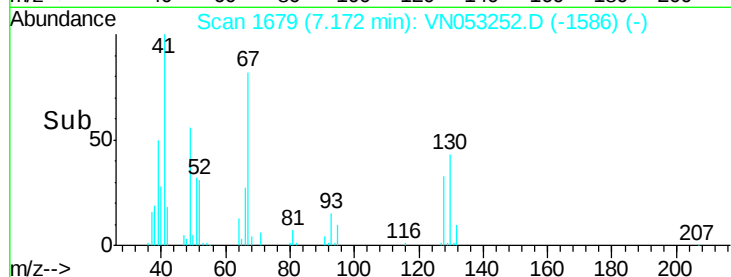
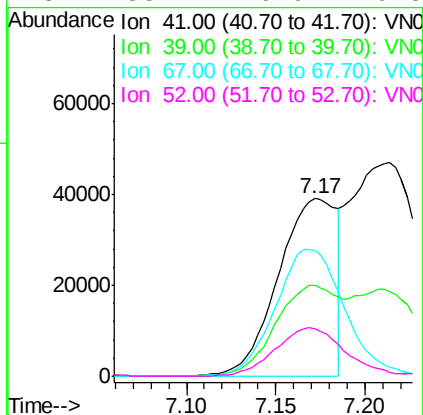
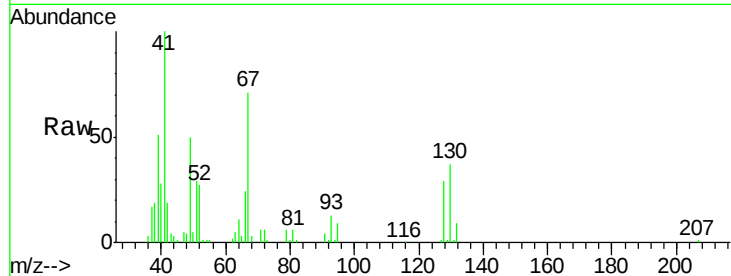
#41
Methacrylonitrile
Concen: 22.374 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Instrument :
MSVOA_N
ClientSampled :
VN0103WBSD01

Tot Ion	41	Resp	88487
Ion	Ratio	Lower	Upper
41	100		
39	56.1	48.0	72.0
67	85.9	70.3	105.5
52	33.4	26.9	40.3

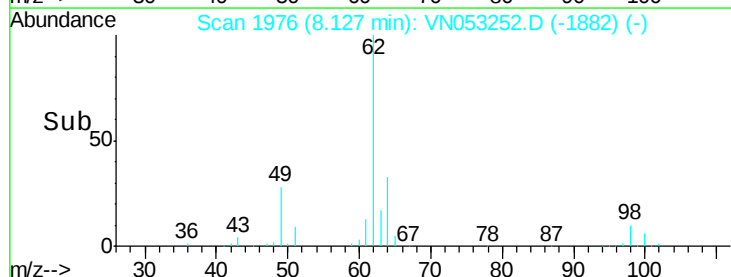
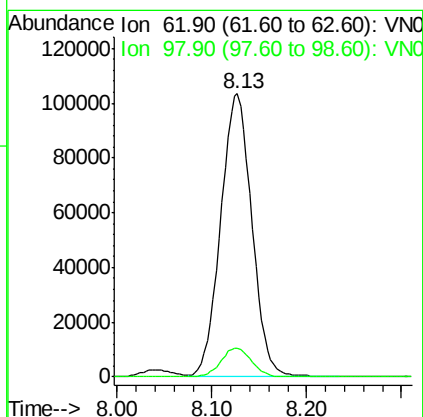
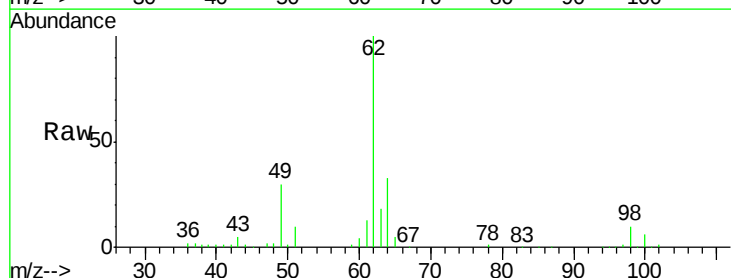
Manual Integrations
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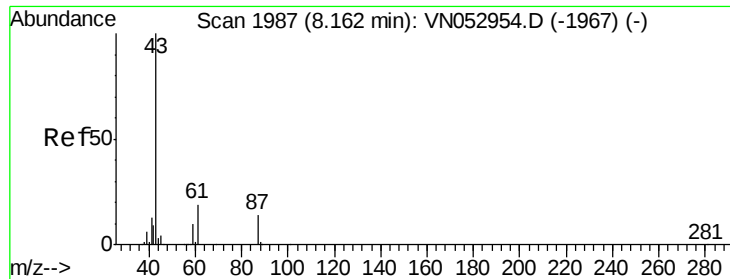
MMDadoda
1/4/2019 12:39:02 PM



#42
1,2-Dichloroethane
Concen: 21.910 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Tgt Ion	62	Resp	236066
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.0





#43

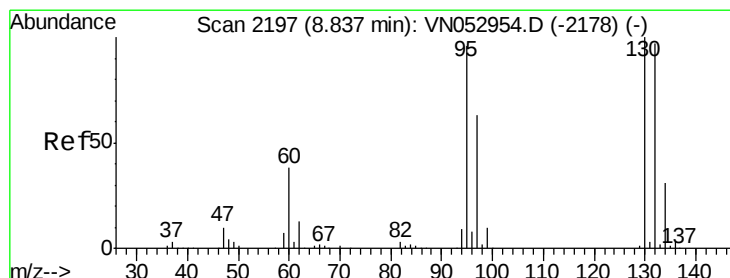
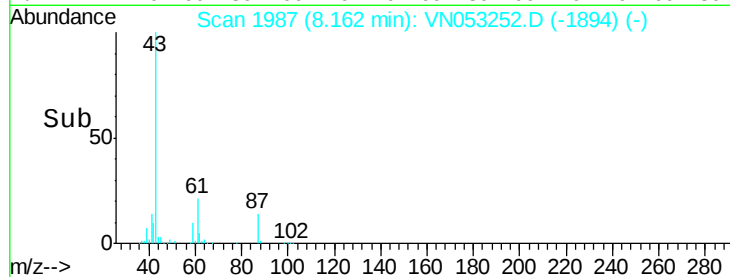
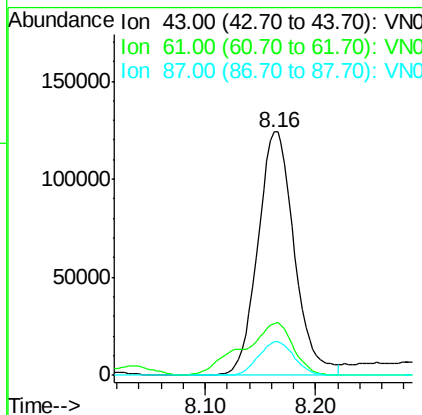
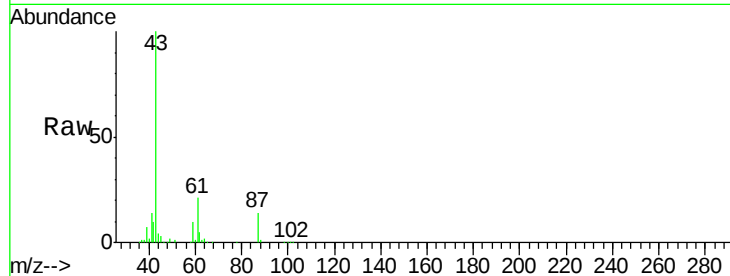
Isopropyl Acetate
 Concen: 20.870 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0103WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	22.9	34.3#
87	13.5	10.6	15.8

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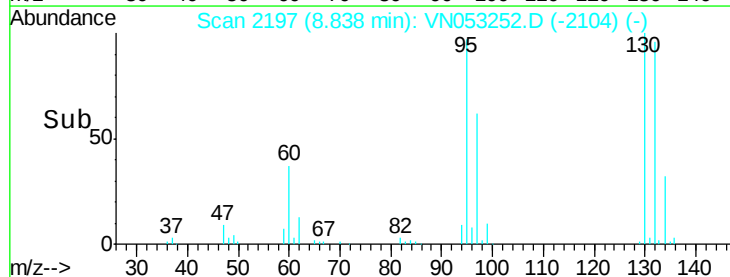
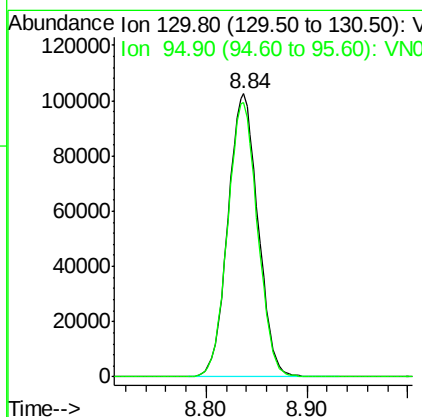
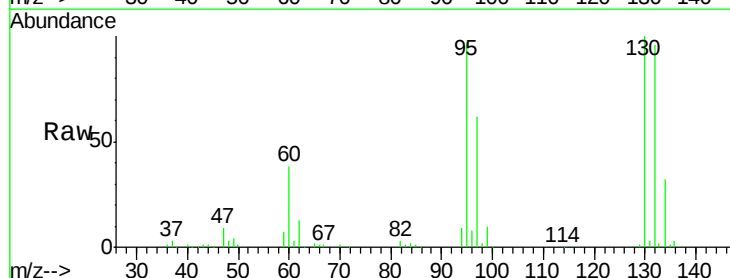
MMDadoda
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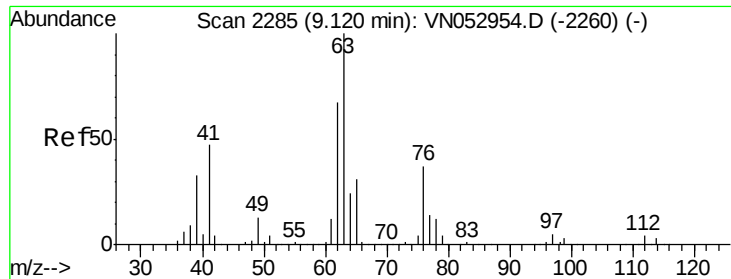


#44

Trichloroethene
 Concen: 20.140 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	197.8





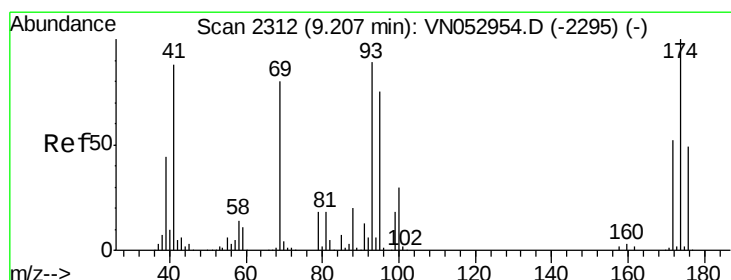
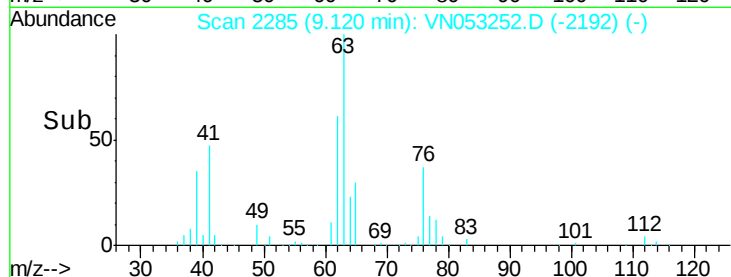
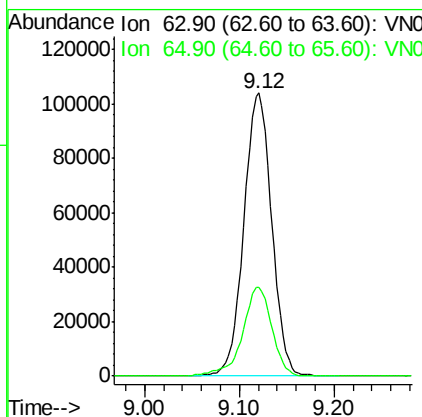
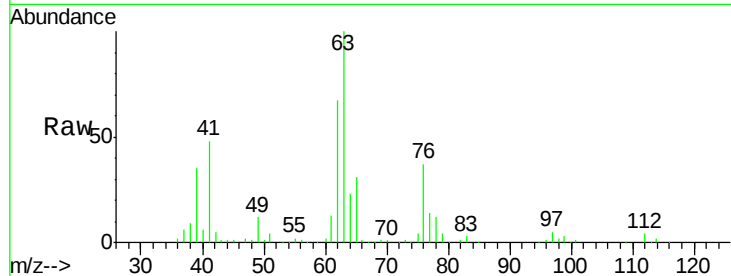
#45
 1,2-Dichloropropane
 Concen: 22.389 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0103WBSD01

Tot Ion: 63 Resp: 212693
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 37.0

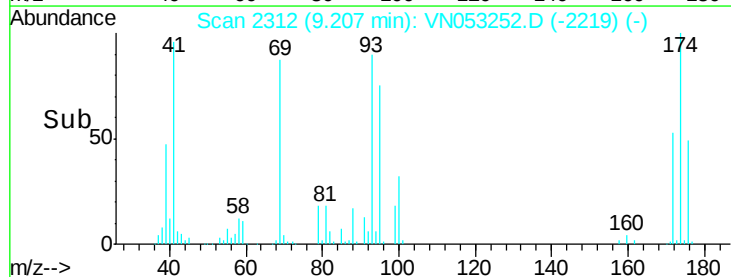
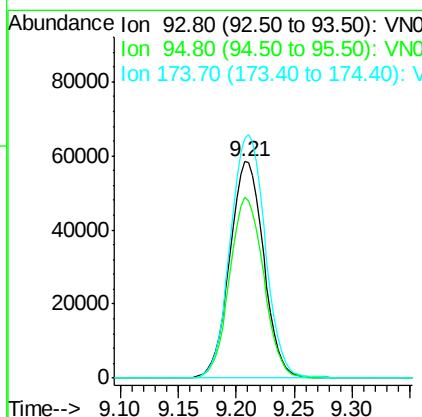
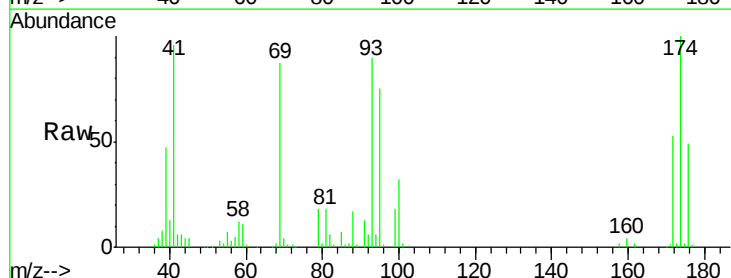
Manual Integrations
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#46
 Dibromomethane
 Concen: 21.473 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Tgt Ion: 93 Resp: 118834
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.8 101.6
 174 115.3 89.0 133.4





#47

Bromodichloromethane

Concen: 21.971 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Instrument :

MSVOA_N

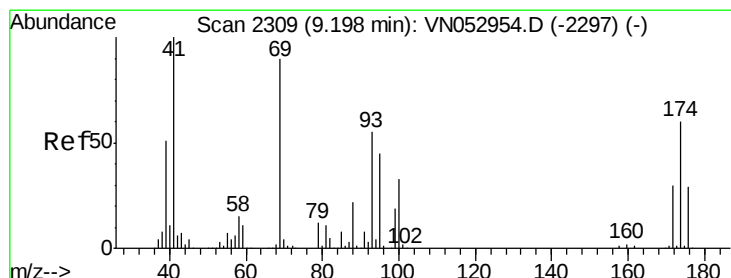
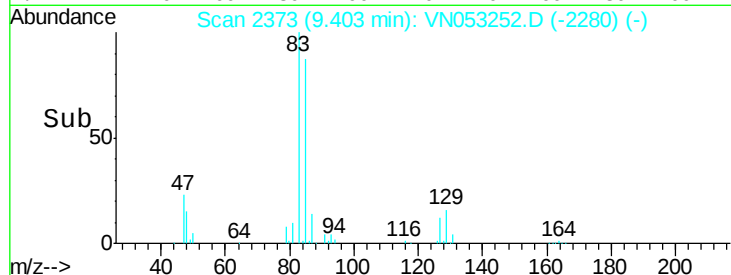
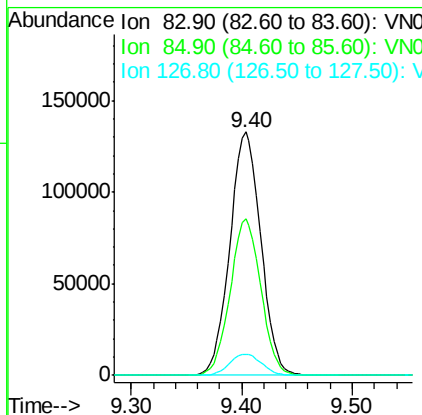
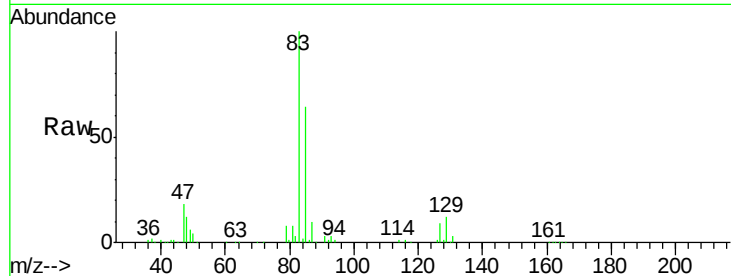
ClientSampled :

VN0103WBSD01

Tot Ion:	83	Resp:	258455
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.6	77.4
127	8.7	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.942 ug/l

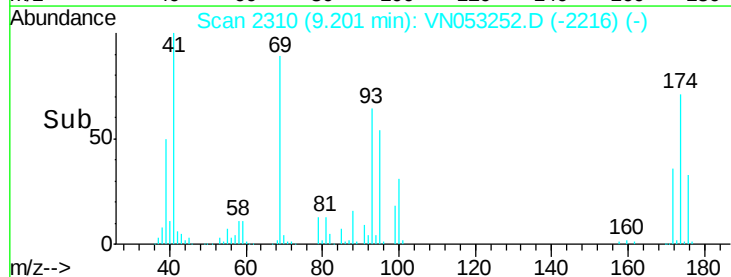
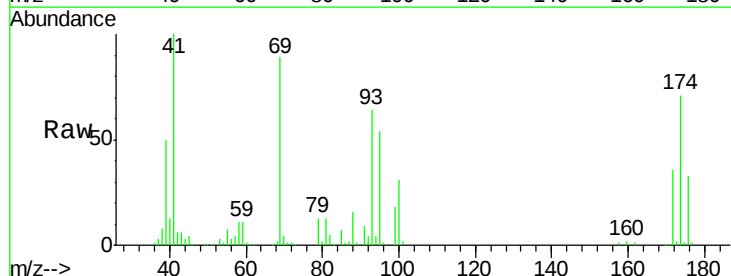
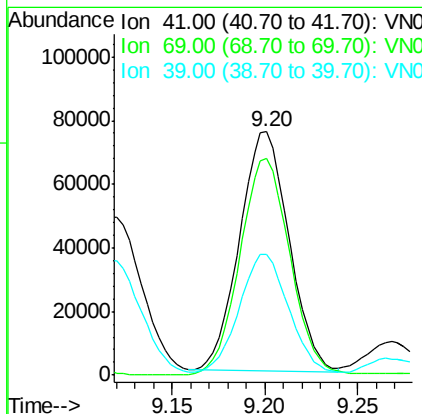
RT: 9.20 min Scan# 2310

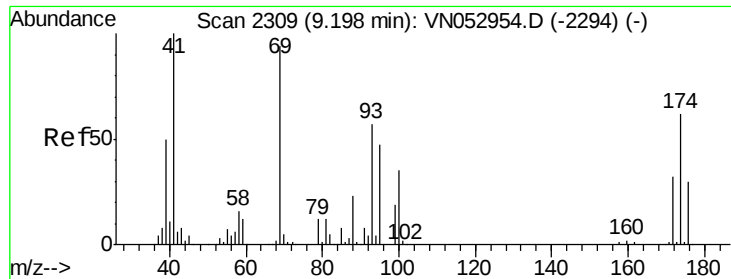
Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Tgt Ion:	41	Resp:	139099
Ion Ratio	Lower	Upper	
41	100		
69	92.3	72.2	108.2
39	51.2	41.9	62.9





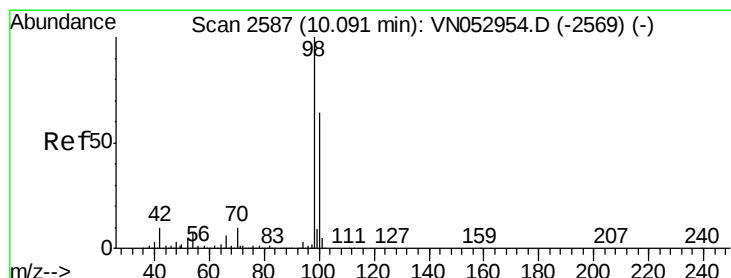
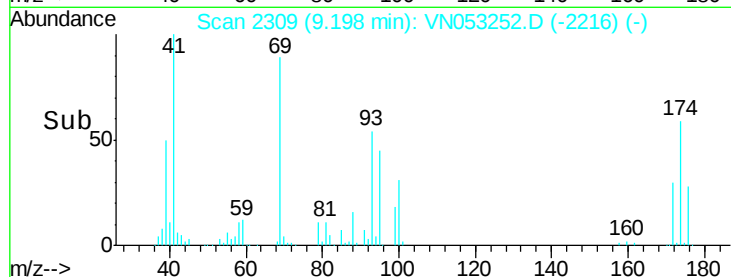
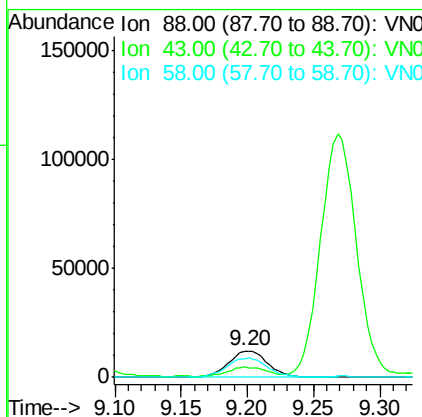
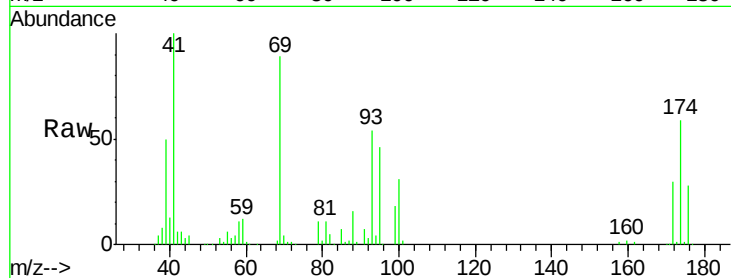
#49
1,4-Dioxane
Concen: 299.226 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0103WBSD01

Tot Ion	88	Resp	25141
Ion	Ratio	Lower	Upper
88	100		
43	33.3	26.6	40.0
58	75.8	58.4	87.6

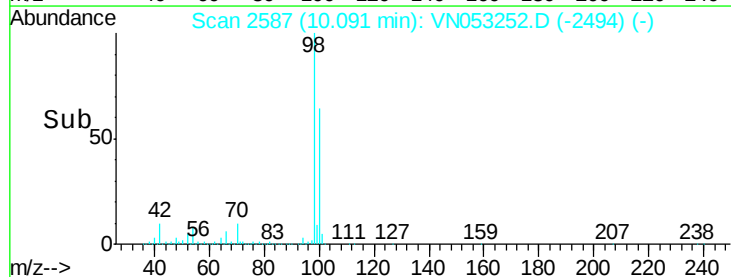
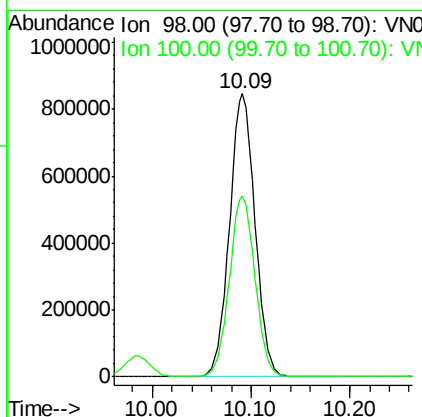
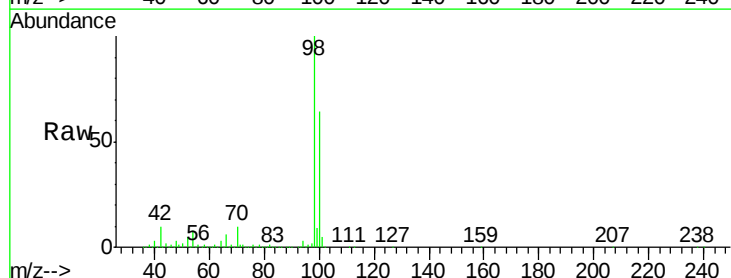
Manual Integrations
APPROVED

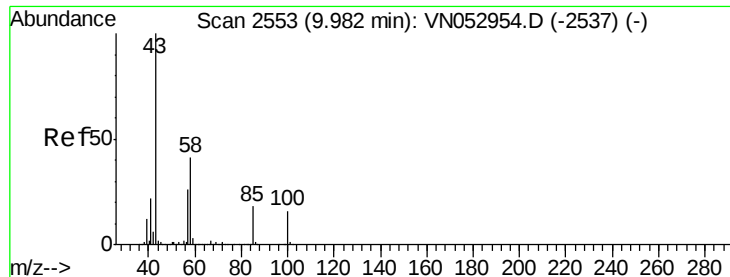
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#50
Toluene-d8
Concen: 299.226 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Tgt Ion	98	Resp	1525745
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 109.808 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Instrument :

MSVOA_N

ClientSampled :

VN0103WBSD01

Tot Ion: 43 Resp: 727896

Ion Ratio Lower Upper

43 100

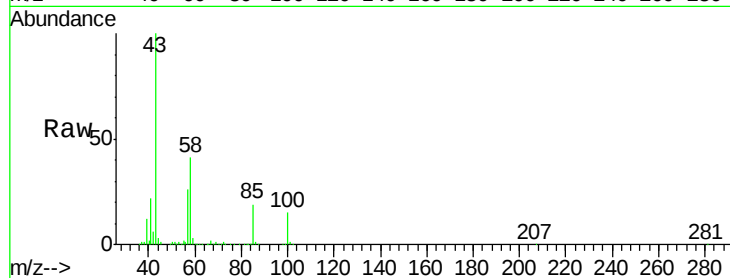
58 40.8 32.2 48.4

Manual Integrations

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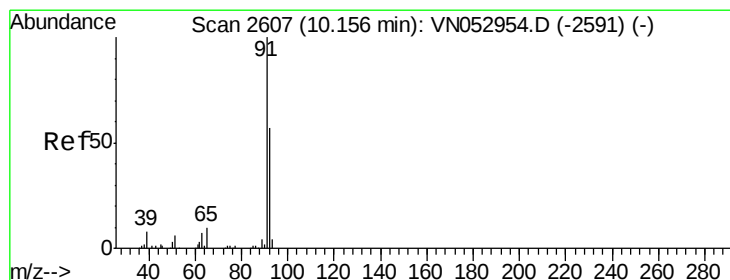
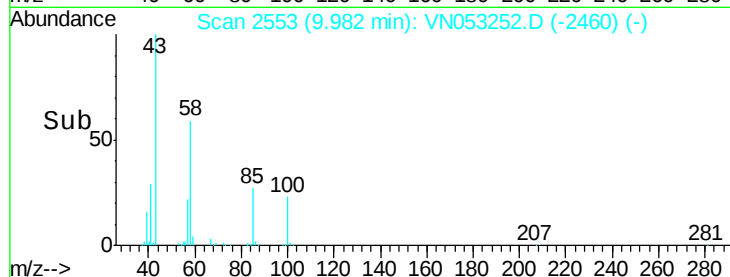
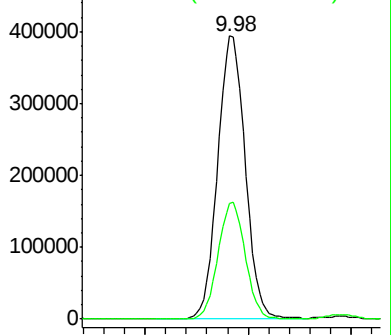
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.709 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053252.D

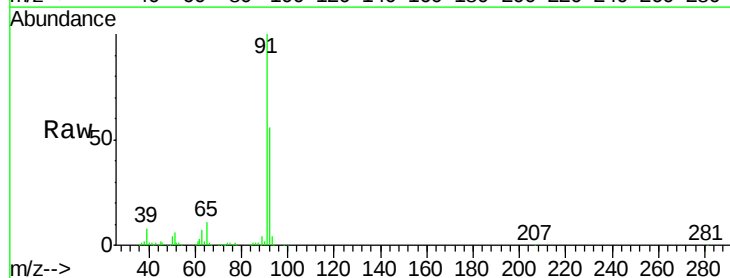
Acq: 3 Jan 2019 10:43

Tgt Ion: 92 Resp: 468156

Ion Ratio Lower Upper

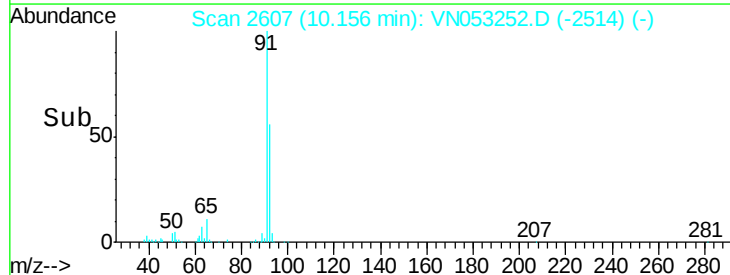
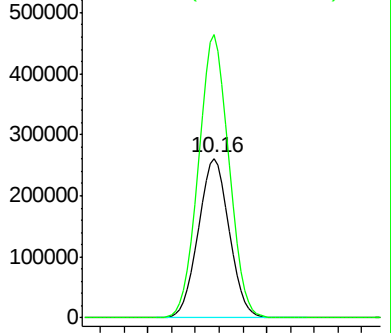
92 100

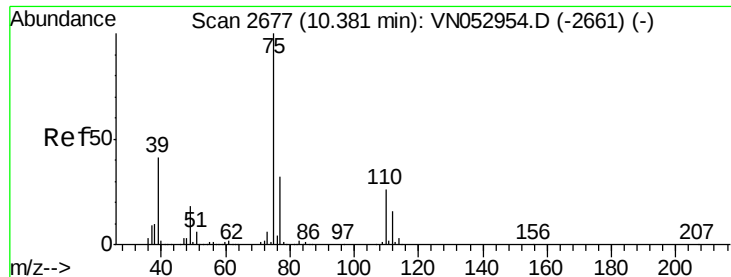
91 175.9 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





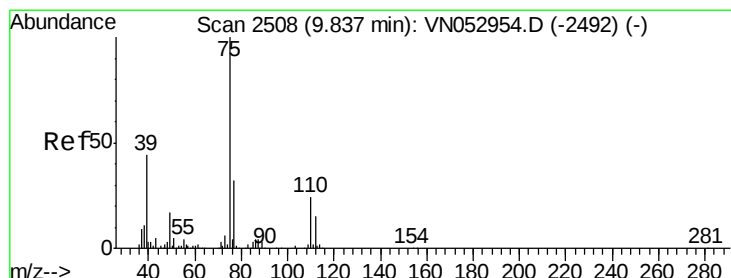
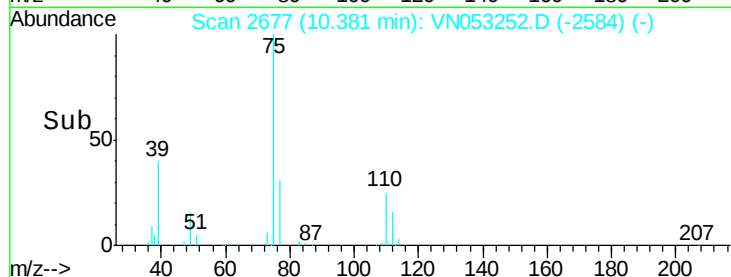
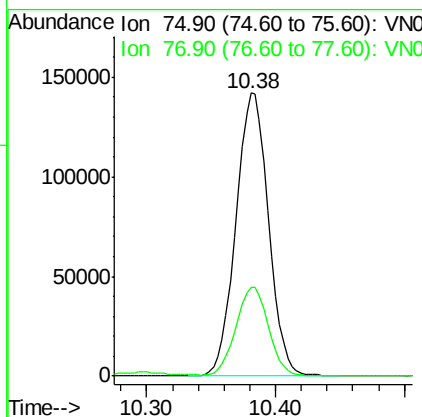
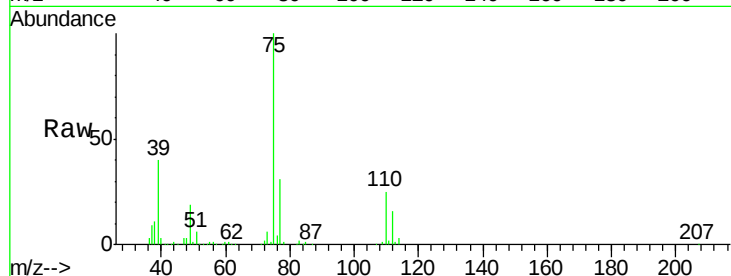
#53
 t-1,3-Dichloropropene
 Concen: 20.149 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0103WBSD01

Tot Ion: 75 Resp: 249244
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.6 38.4

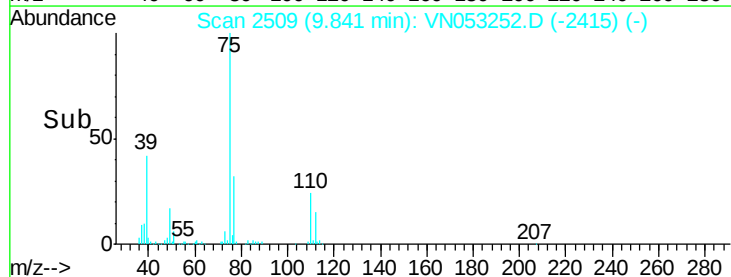
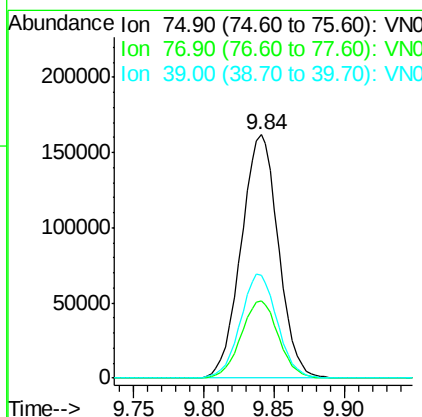
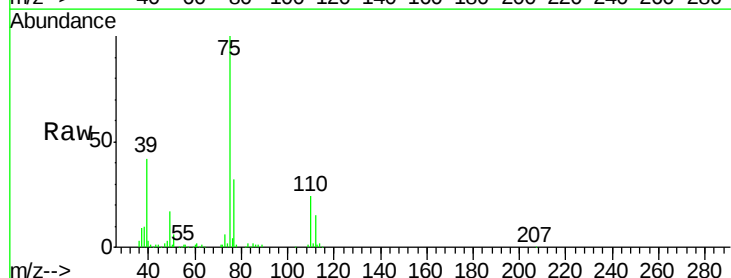
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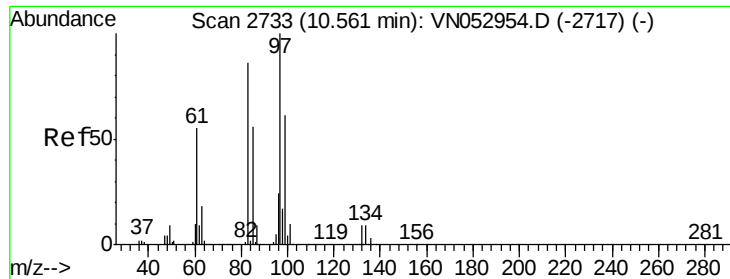
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#54
 cis-1,3-Dichloropropene
 Concen: 21.025 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Tgt Ion: 75 Resp: 298528
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.8 38.8
 39 42.3 34.8 52.2





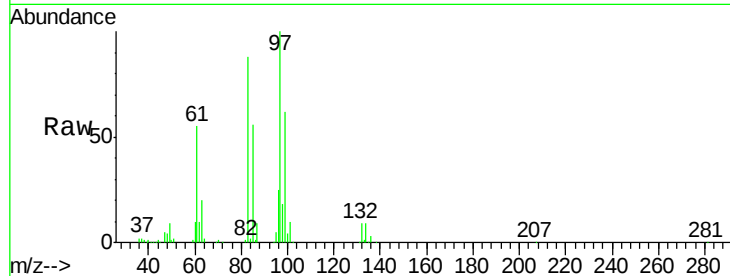
#55
 1,1,2-Trichloroethane
 Concen: 21.840 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Instrument :
 MSVOA_N
 ClientSampled :
 VN0103WBSD01

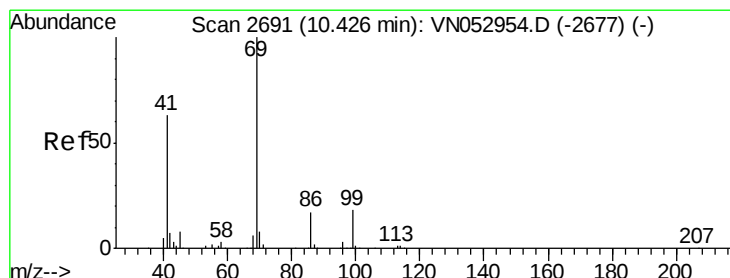
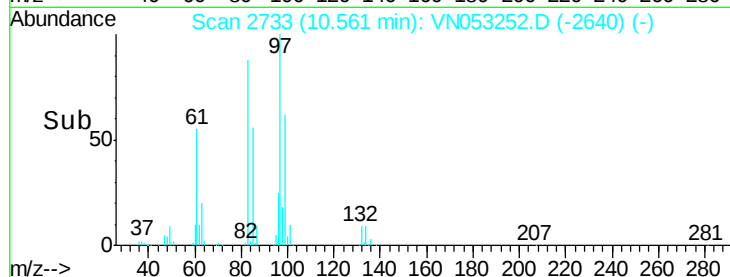
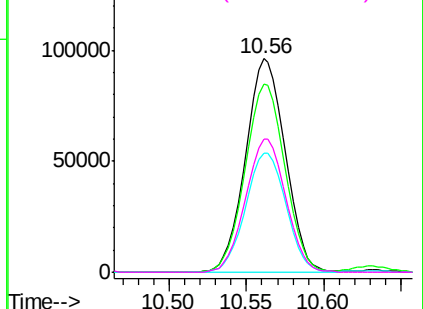
Tot Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.9	106.3
85	55.8	45.4	68.2
99	62.2	50.4	75.6

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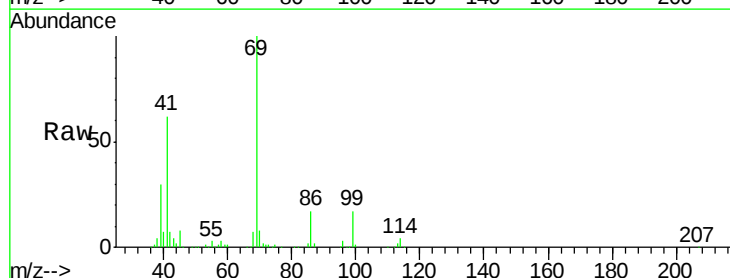


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

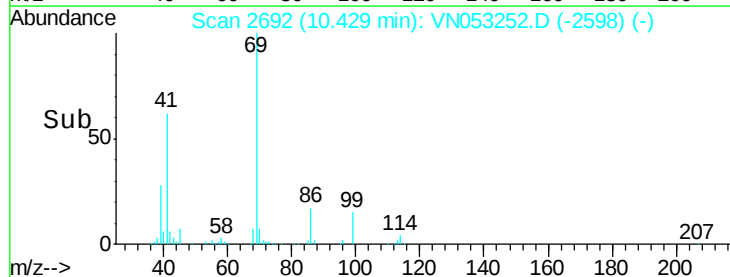
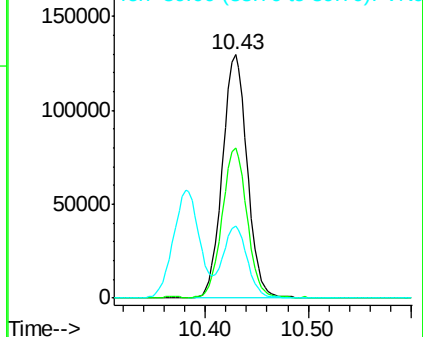


#56
 Ethyl methacrylate
 Concen: 20.823 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.2	51.7	77.5
39	29.1	24.6	37.0



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.480 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Instrument :

MSVOA_N

ClientSampled :

VN0103WBSD01

Tot Ion: 76 Resp: 290491

Ion Ratio Lower Upper

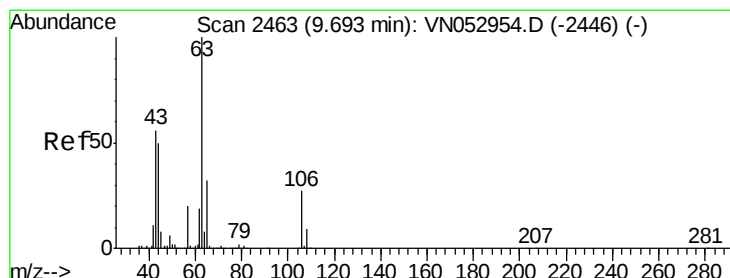
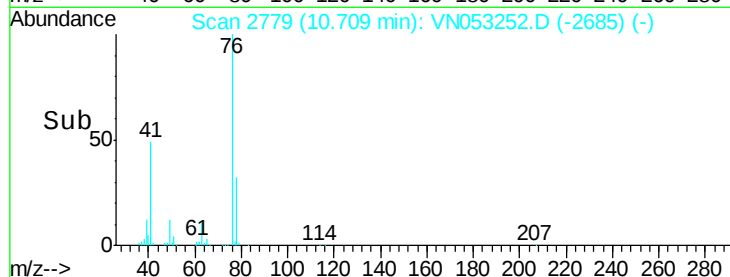
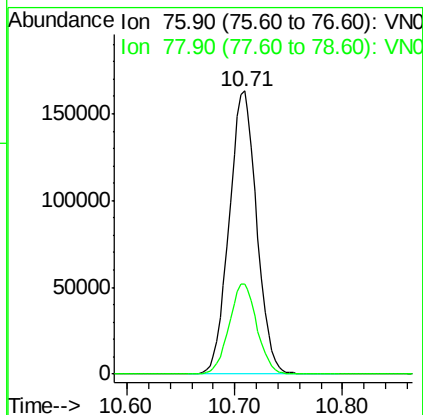
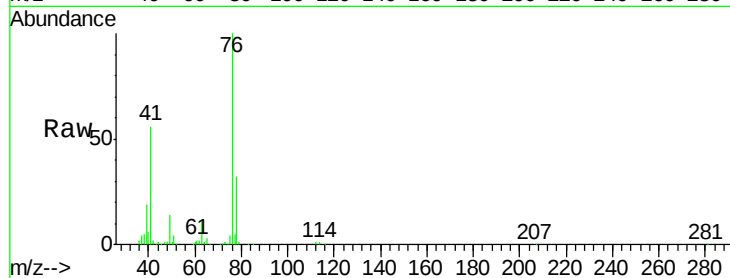
76 100

78 32.1 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 105.177 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053252.D

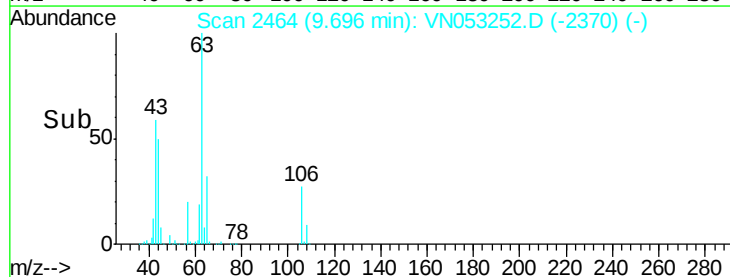
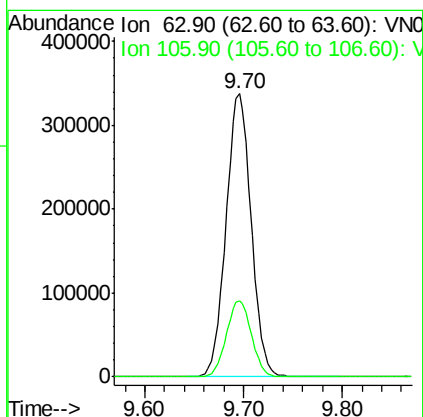
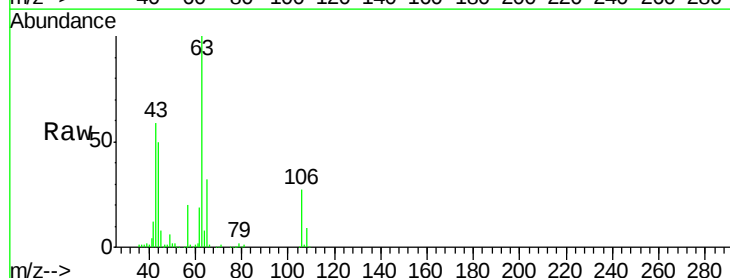
Acq: 3 Jan 2019 10:43

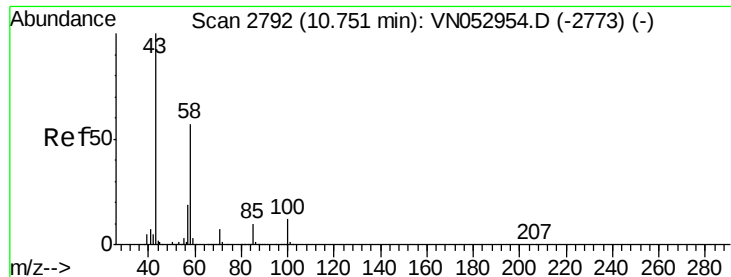
Tgt Ion: 63 Resp: 602741

Ion Ratio Lower Upper

63 100

106 26.9 21.0 31.6





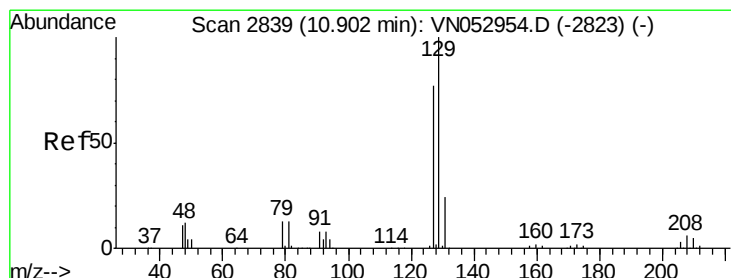
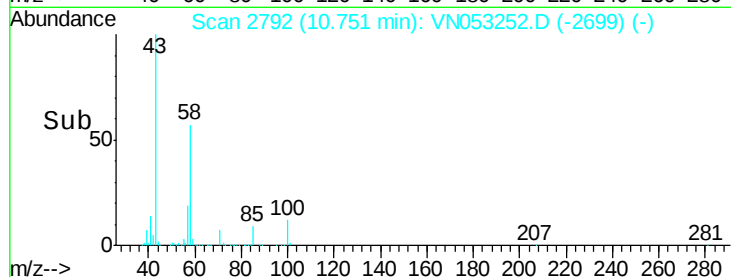
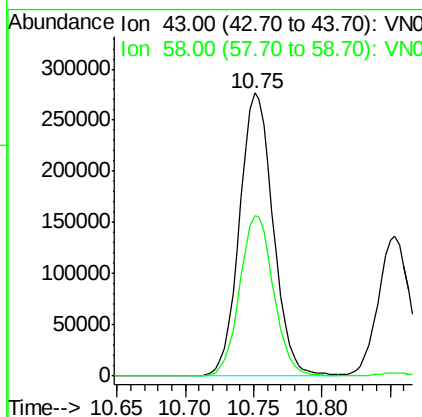
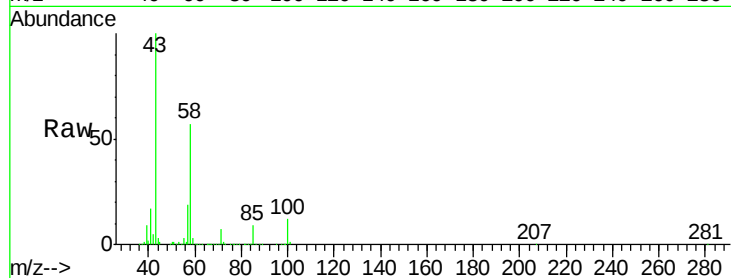
#59
2-Hexanone
Concen: 105.364 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0103WBSD01

Tot Ion: 43 Resp: 472550
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.3

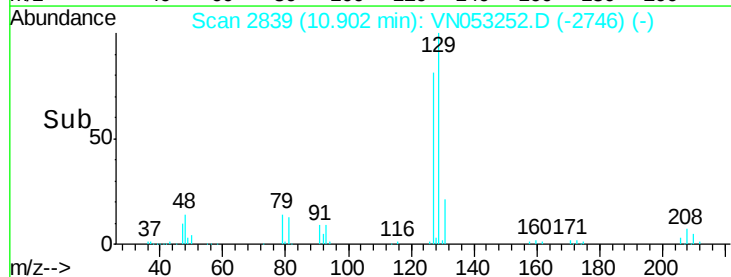
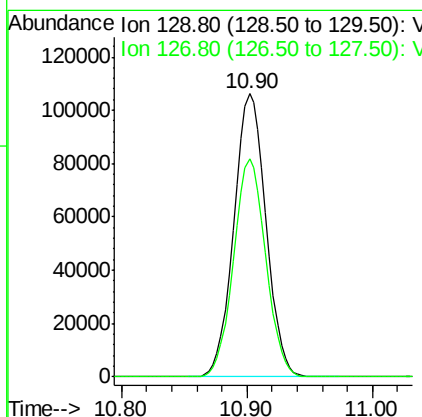
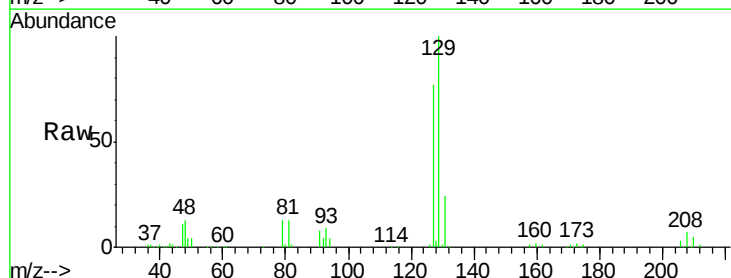
Manual Integrations
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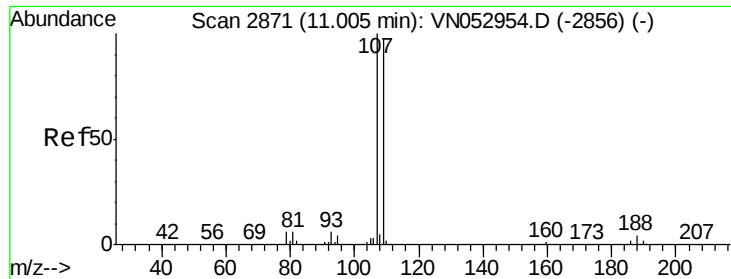
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#60
Dibromochloromethane
Concen: 20.912 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Tgt Ion: 129 Resp: 188785
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.577 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Instrument :

MSVOA_N

ClientSampled :

VN0103WBSD01

Tot Ion: 107 Resp: 164815

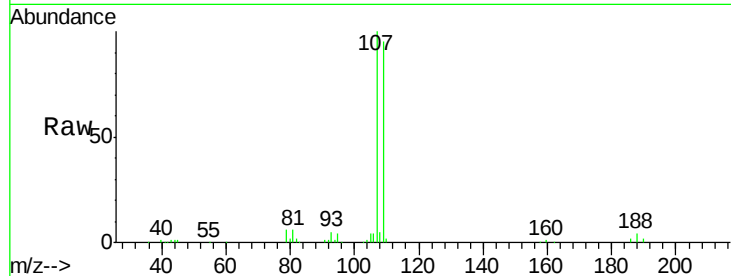
Ion Ratio Lower Upper

107 100

109 93.9 75.4 113.0

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

100000

80000

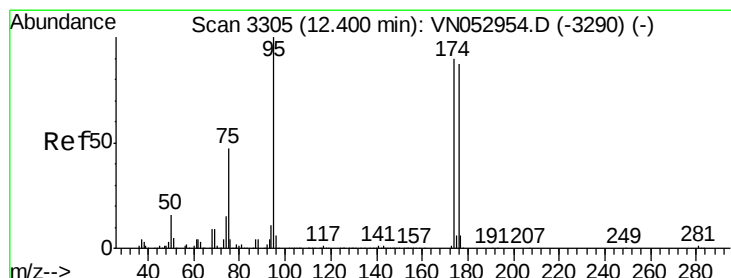
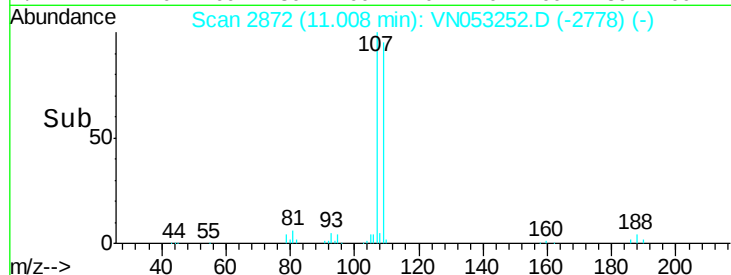
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.577 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

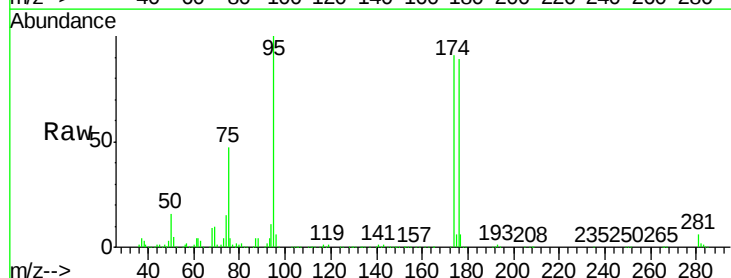
Tgt Ion: 95 Resp: 498931

Ion Ratio Lower Upper

95 100

174 90.8 0.0 178.8

176 87.9 0.0 173.8



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

12.40

400000

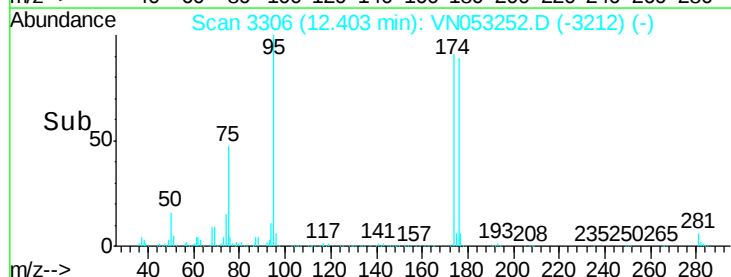
300000

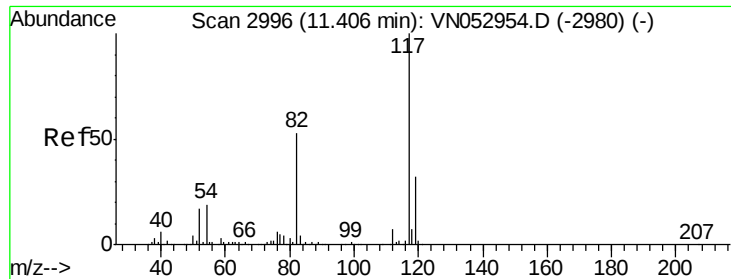
200000

100000

0

Time-->





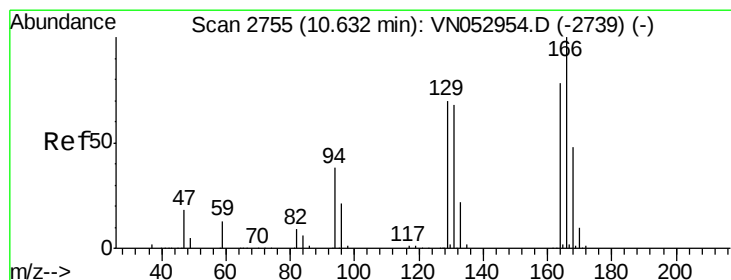
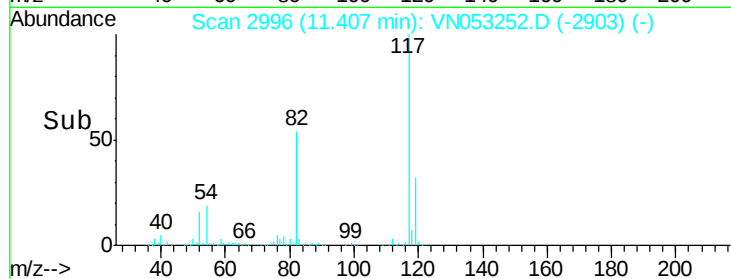
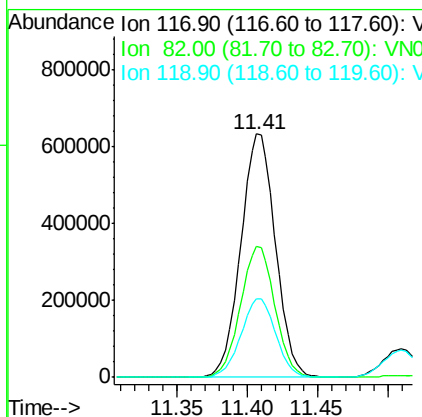
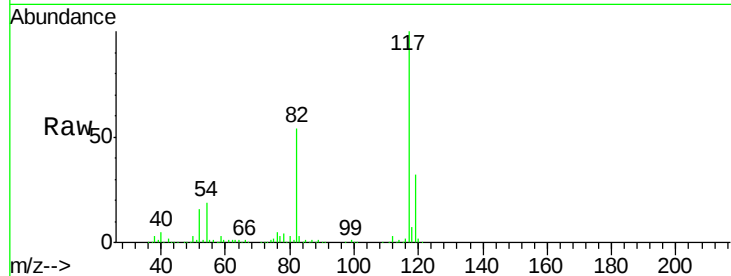
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Instrument :
MSVOA_N
ClientSampled :
VN0103WBSD01

Tot Ion:117 Resp: 1088588
Ion Ratio Lower Upper
117 100
82 53.7 42.8 64.2
119 32.2 25.5 38.3

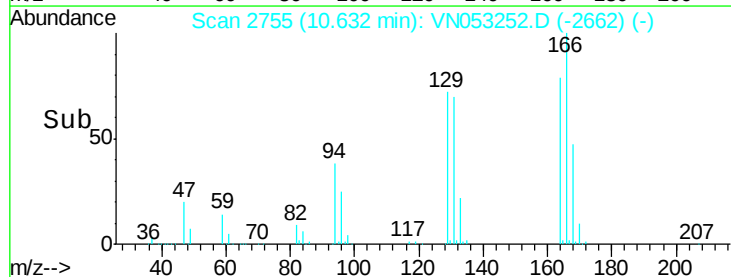
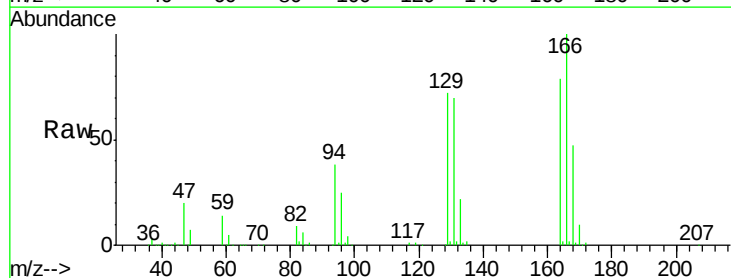
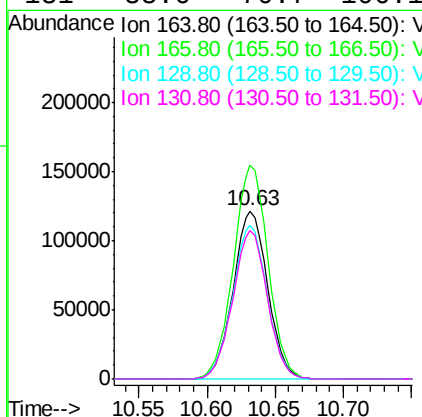
Manual Integrations
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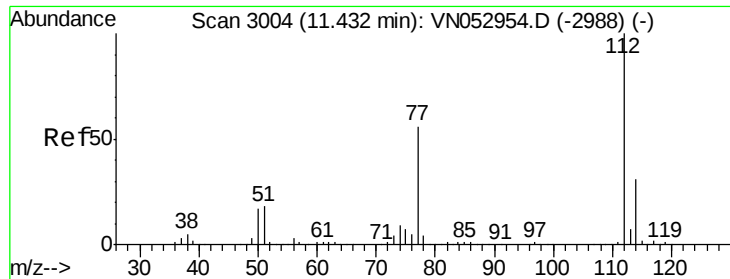
MMDadoda
1/4/2019 12:39:02 PM



#64
Tetrachloroethene
Concen: 18.063 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Tgt Ion:164 Resp: 213001
Ion Ratio Lower Upper
164 100
166 127.2 102.9 154.3
129 91.4 73.7 110.5
131 88.6 70.7 106.1





#65

Chlorobenzene

Concen: 21.380 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0103WBSD01

Tot Ion:112 Resp: 515921

Ion Ratio Lower Upper

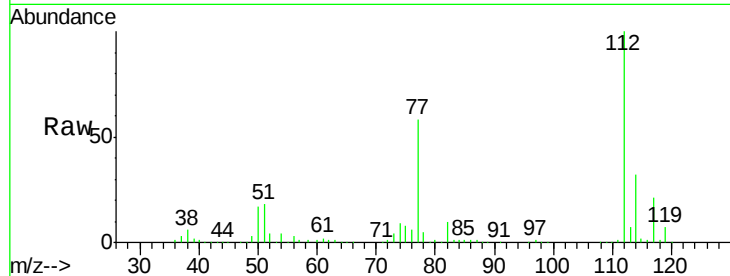
112 100

114 31.7 25.5 38.3

Manual Integrations
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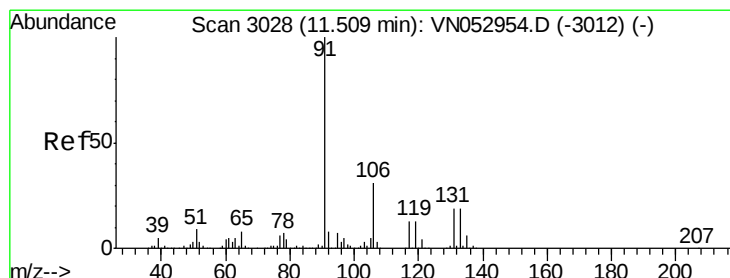
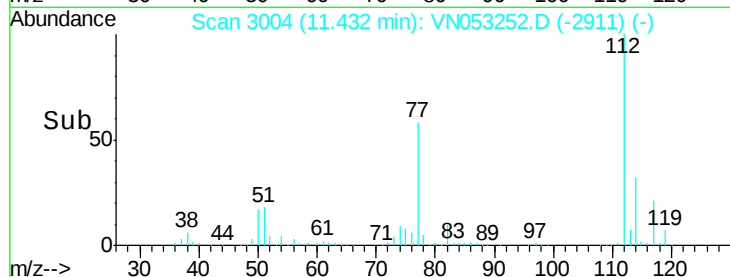
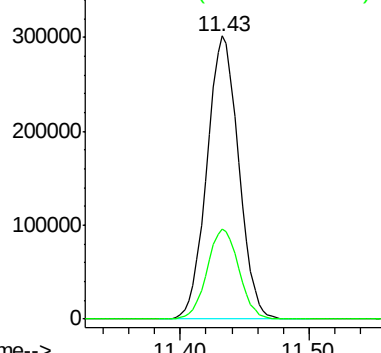
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.372 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

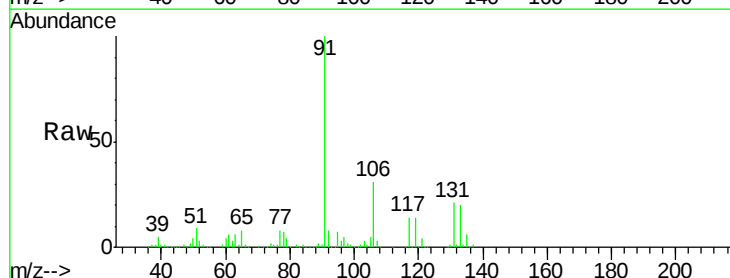
Tgt Ion:131 Resp: 187734

Ion Ratio Lower Upper

131 100

133 95.8 47.6 142.9

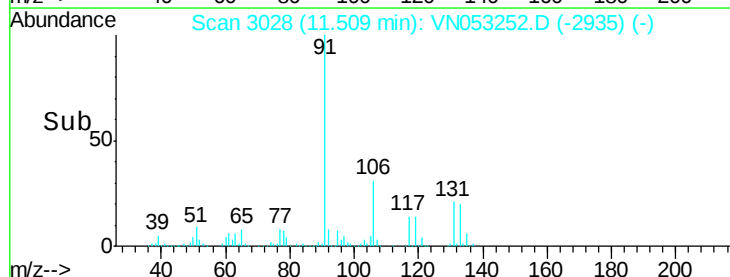
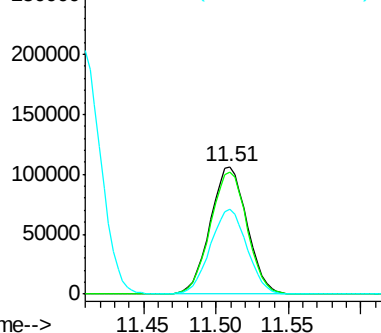
119 66.2 33.3 99.8

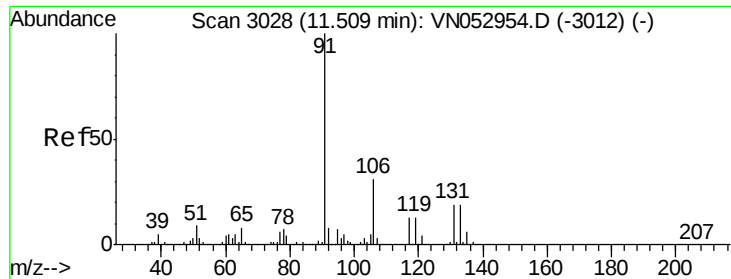


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





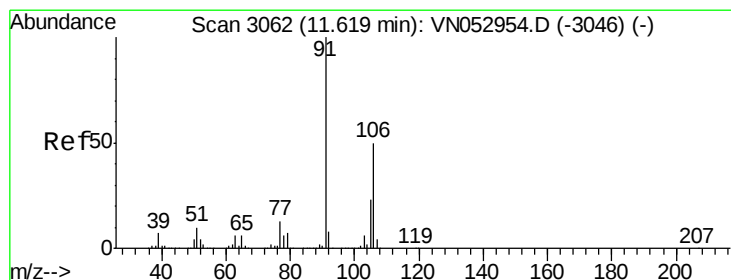
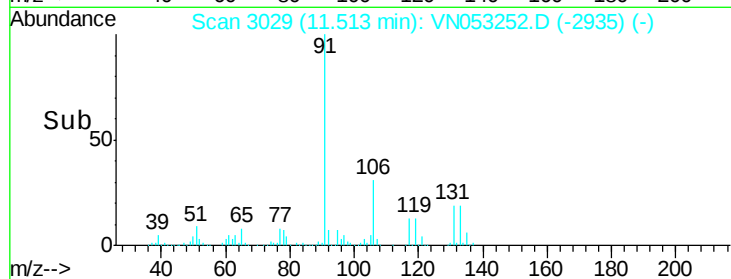
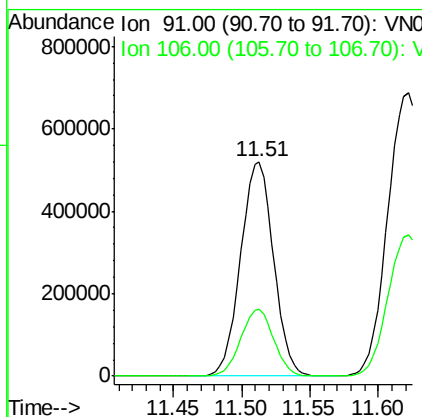
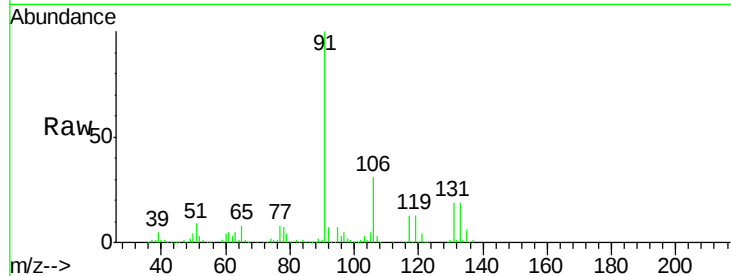
#67
Ethyl Benzene
Concen: 20.984 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Instrument :
MSVOA_N
ClientSampled :
VN0103WBSD01

Tot Ion: 91 Resp: 870799
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

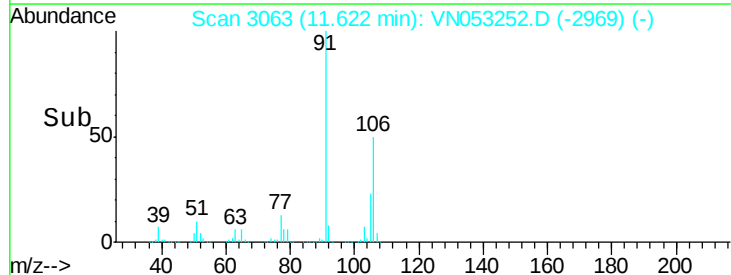
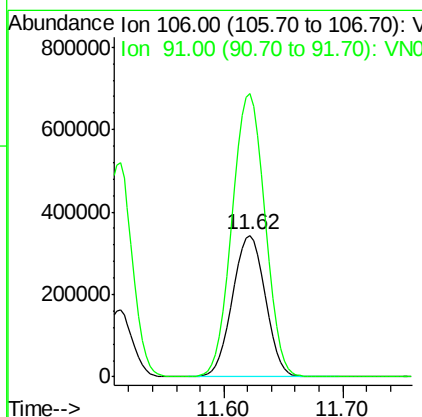
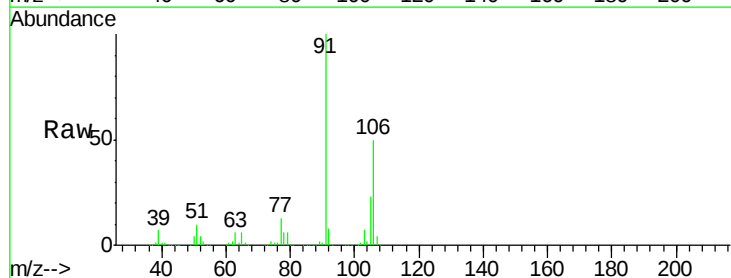
Manual Integrations
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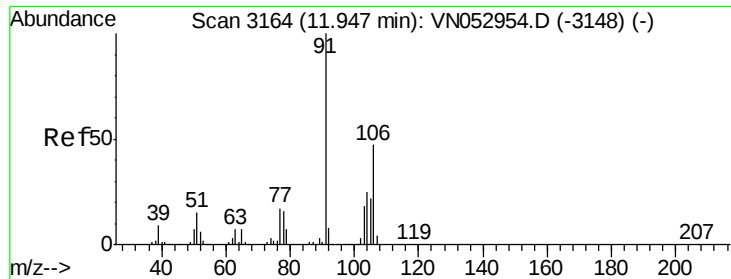
MMDadoda
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#68
m/p-Xylenes
Concen: 41.711 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Tgt Ion: 106 Resp: 658043
Ion Ratio Lower Upper
106 100
91 200.5 162.2 243.4





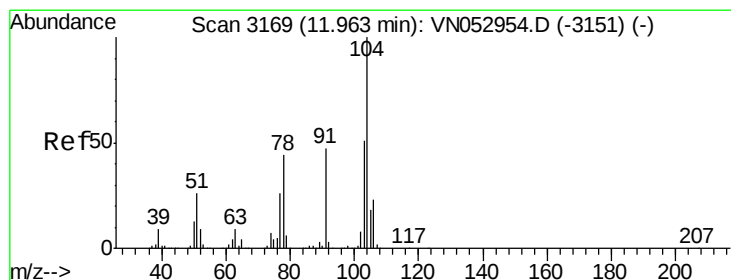
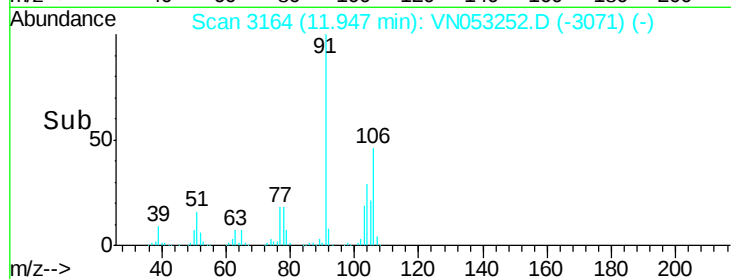
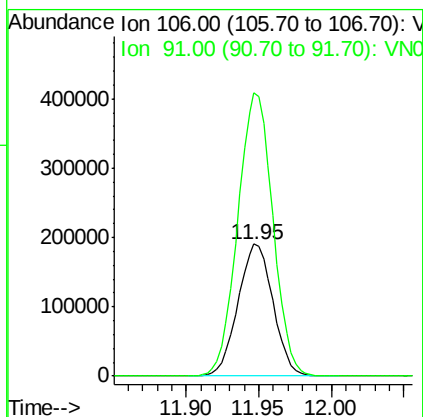
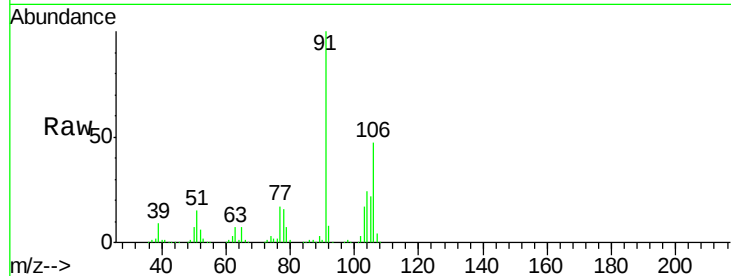
#69
o-Xylene
Concen: 21.116 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Instrument :
MSVOA_N
ClientSampled :
VN0103WBSD01

Tot Ion:106 Resp: 319670
Ion Ratio Lower Upper
106 100
91 214.8 106.6 319.8

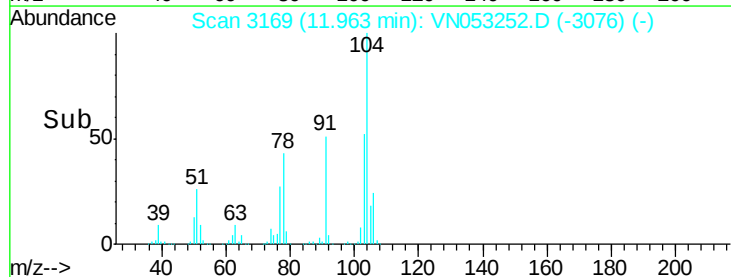
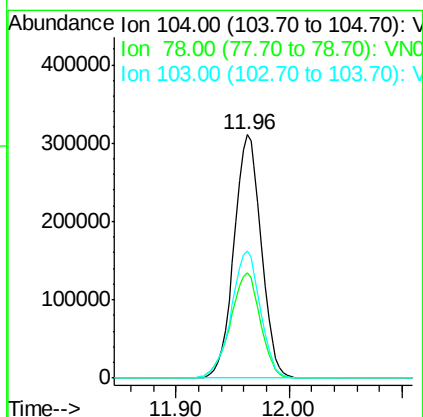
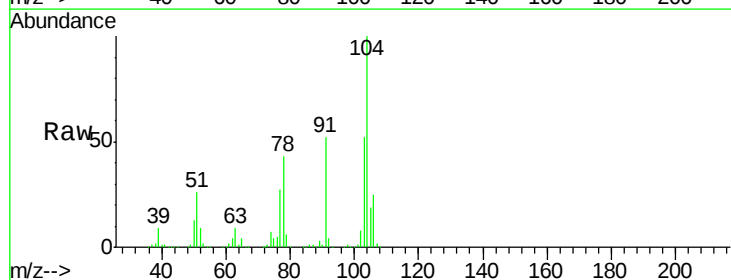
Manual Integrations
APPROVED

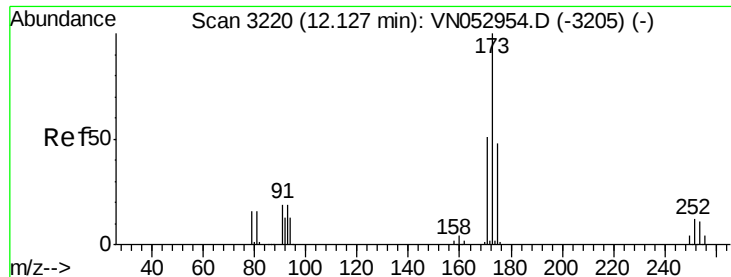
MMDadoda
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#70
Styrene
Concen: 21.123 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Tgt Ion:104 Resp: 521421
Ion Ratio Lower Upper
104 100
78 47.4 38.9 58.3
103 55.7 44.3 66.5





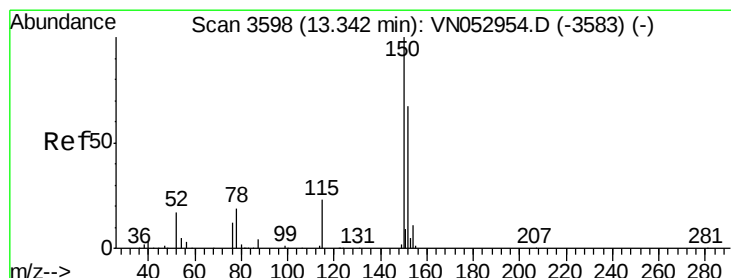
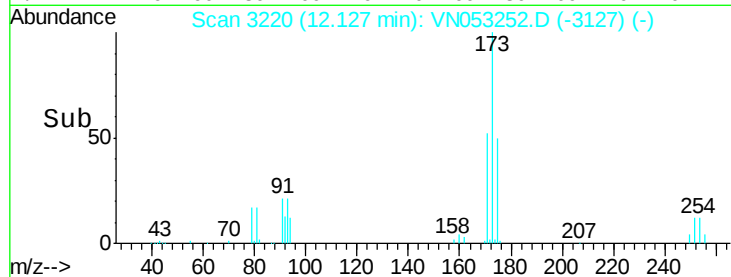
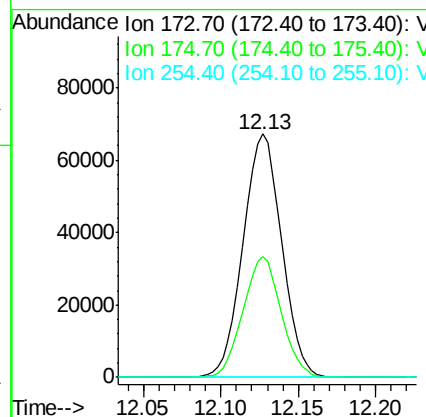
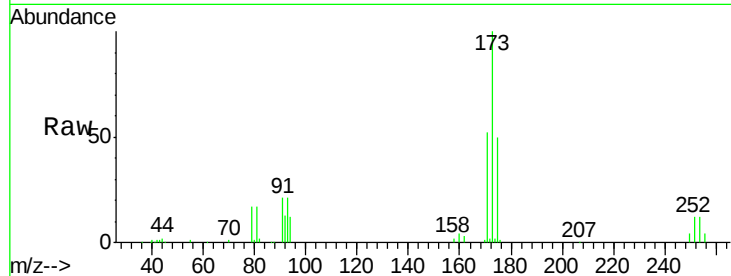
#71
Bromoform
Concen: 19.296 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Instrument :
MSVOA_N
ClientSampled :
VN0103WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.9
254	0.0	0.1	0.1

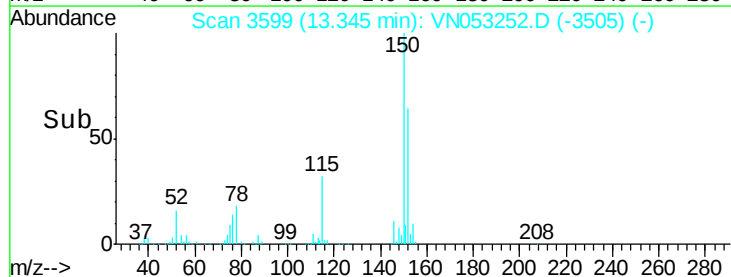
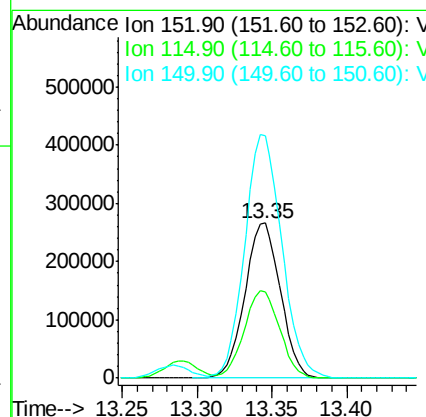
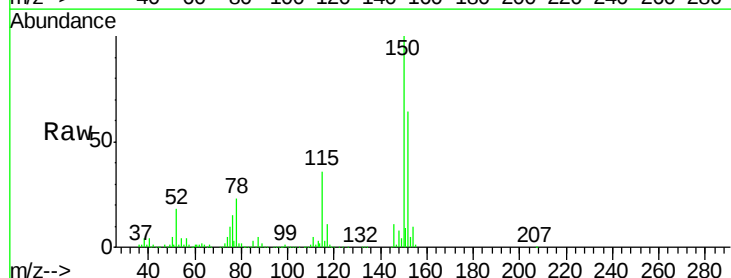
Manual Integrations
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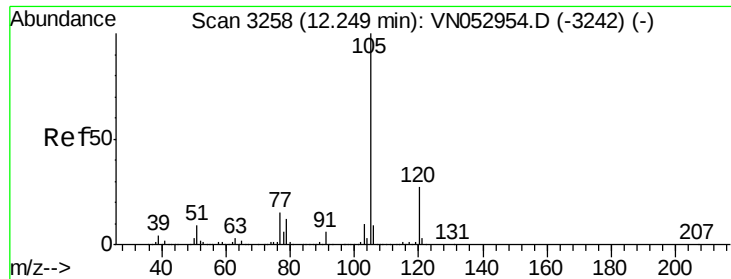
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.3	85.0
150	164.6	0.0	347.8





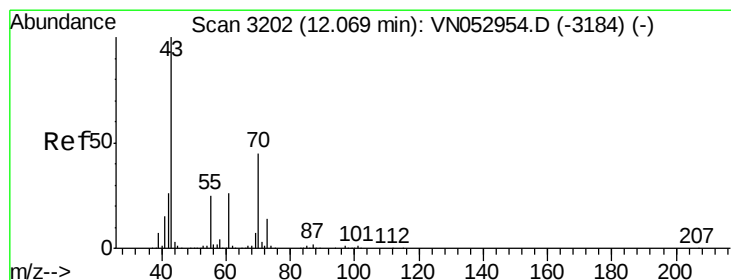
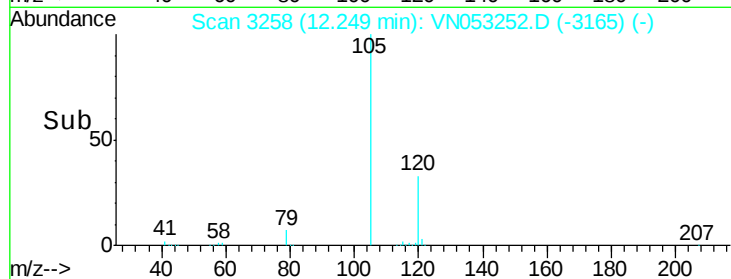
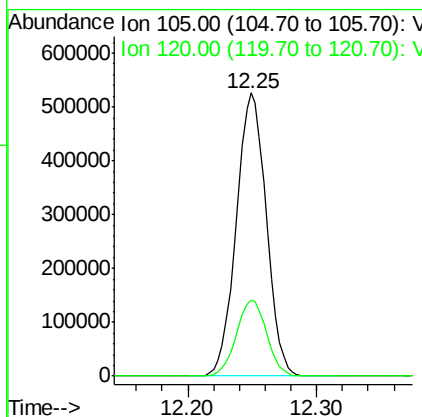
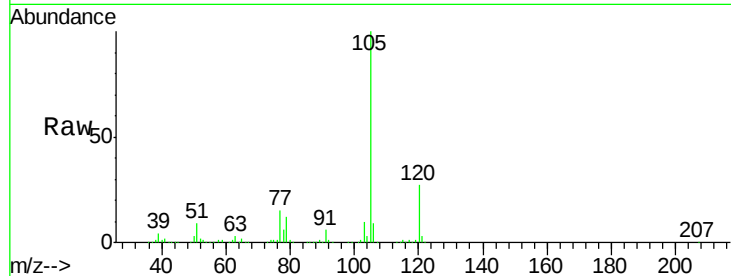
#73
Isopropylbenzene
Concen: 24.685 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0103WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.3	39.9

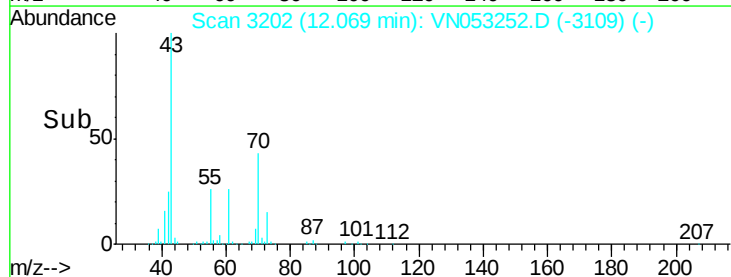
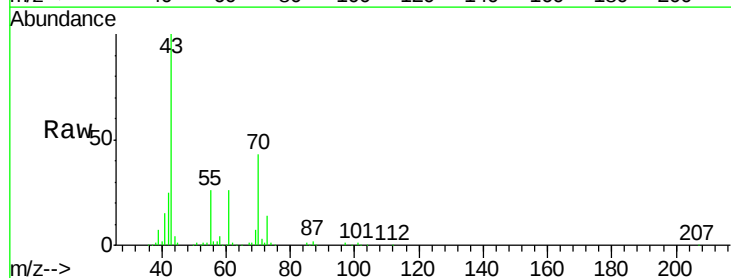
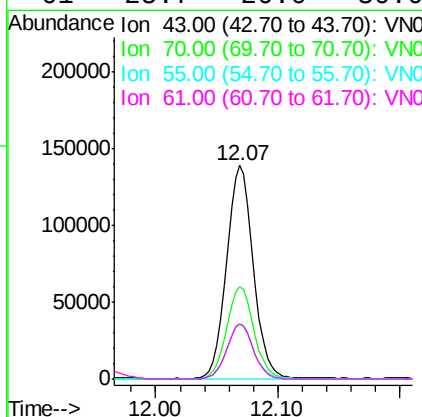
Manual Integrations
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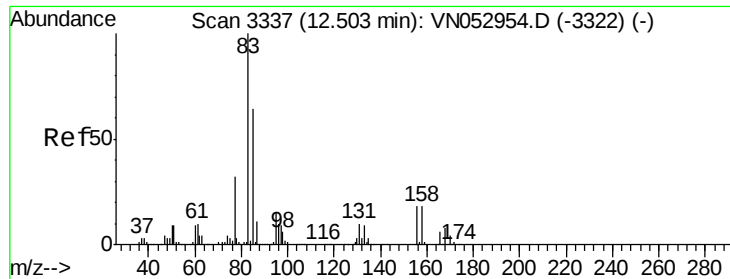
MMDadoda
1/4/2019 12:39:02 PM



#74
N-ethyl acetate
Concen: 22.289 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.2	34.2	51.4
55	26.1	20.3	30.5
61	25.7	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 25.179 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Instrument :

MSVOA_N

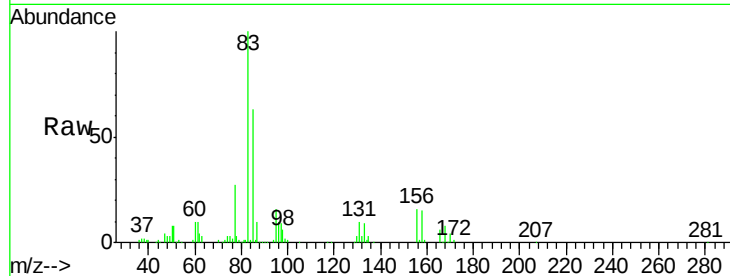
ClientSampleId :

VN0103WBSD01

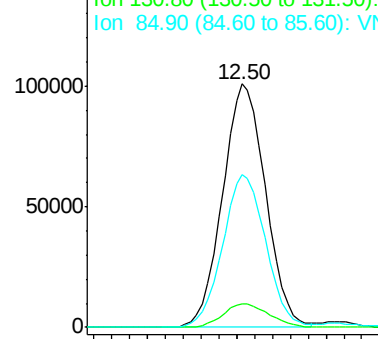
Tot Ion:	83	Resp:	169854
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	62.9	32.4	97.0

Manual Integrations
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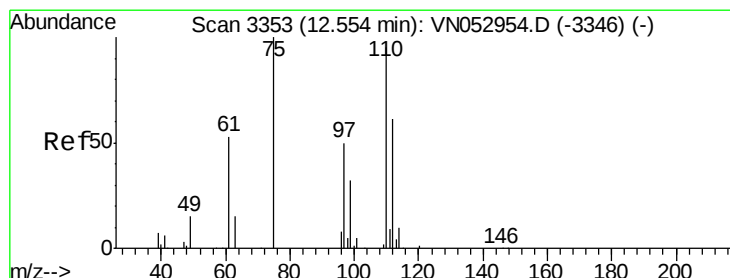
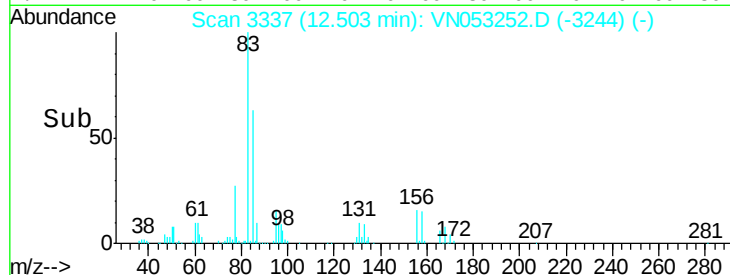
MMDadoda
1/4/2019 12:39:02 PM



Abundance Ion 82.90 (82.60 to 83.60): VN053252.D (-3337) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 20.340 ug/l m

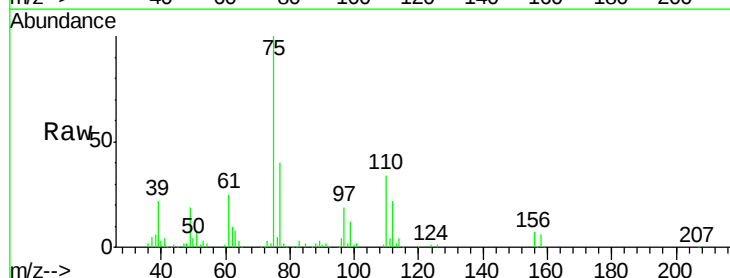
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

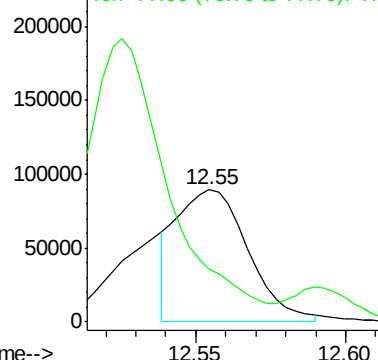
Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

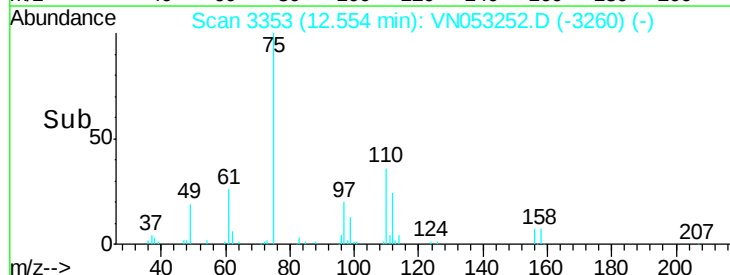
Tgt Ion:	75	Resp:	150481
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

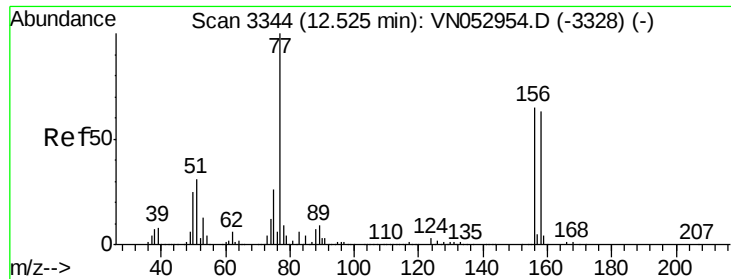


Abundance Ion 74.90 (74.60 to 75.60): VN053252.D (-3353) (-)



Time-->





#77

Bromobenzene

Concen: 23.829 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Instrument :

MSVOA_N

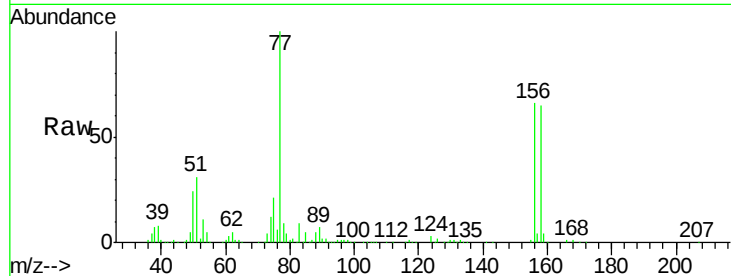
ClientSampled :

VN0103WBSD01

Tot Ion:	156	Resp:	212990
Ion Ratio	Lower	Upper	
156	100		
77	176.1	91.3	273.8
158	98.6	49.0	147.2

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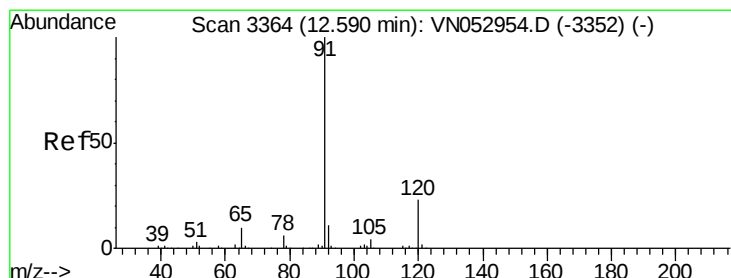
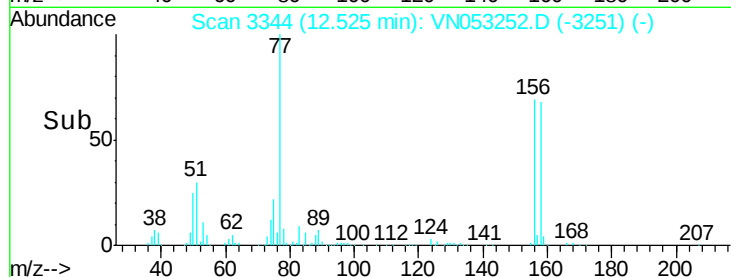
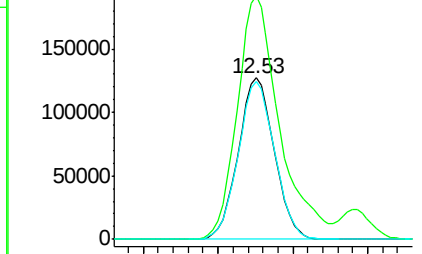
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.985 ug/l

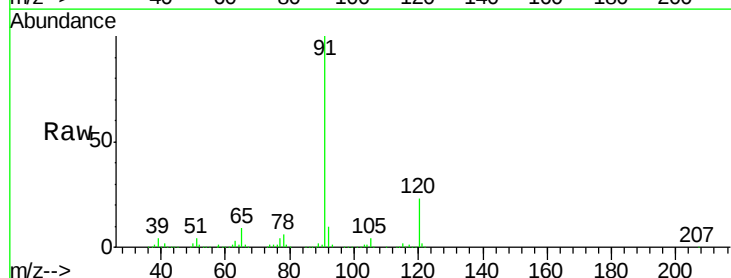
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053252.D

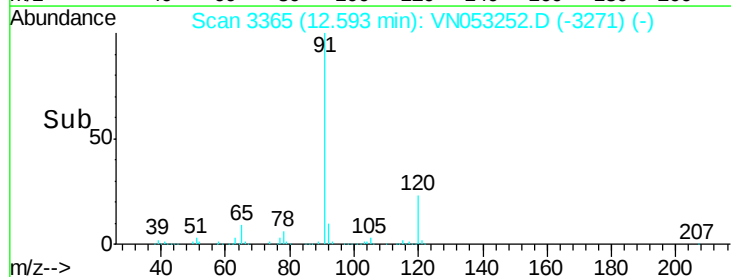
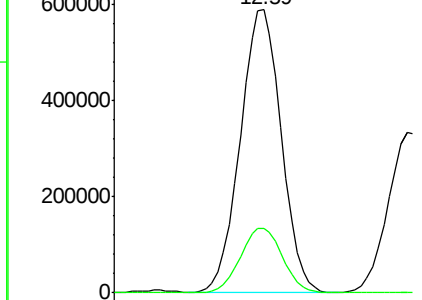
Acq: 3 Jan 2019 10:43

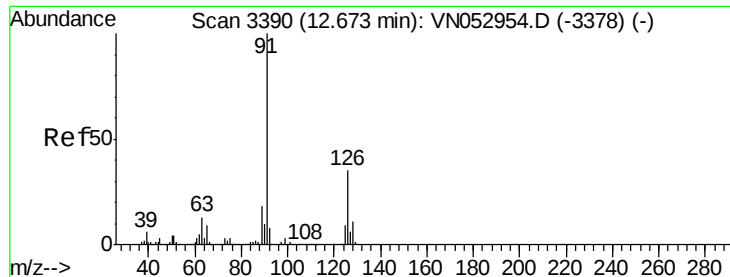
Tgt Ion:	91	Resp:	939303
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.900 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0103WBSD01

Tot Ion: 91 Resp: 555882

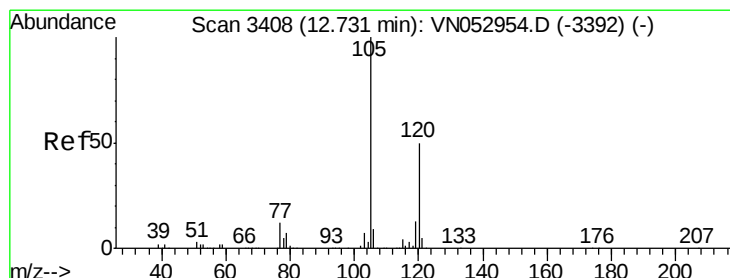
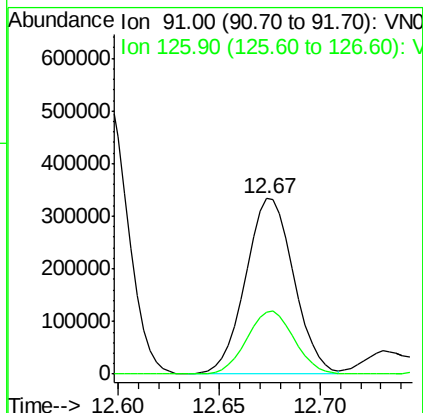
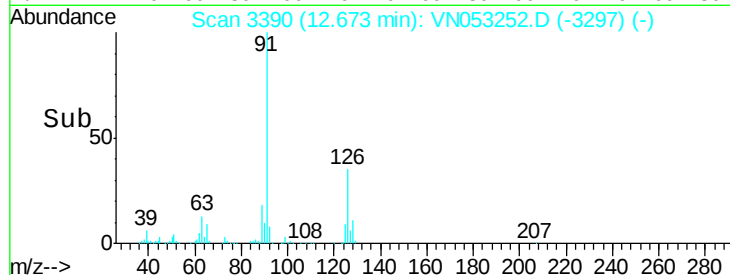
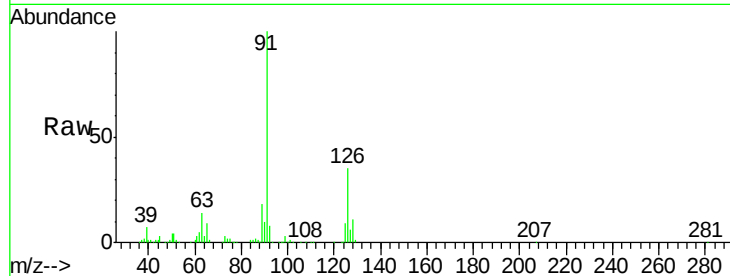
Ion Ratio Lower Upper

91 100

126 35.7 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 23.716 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053252.D

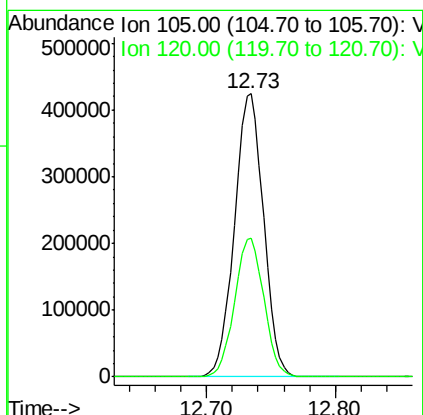
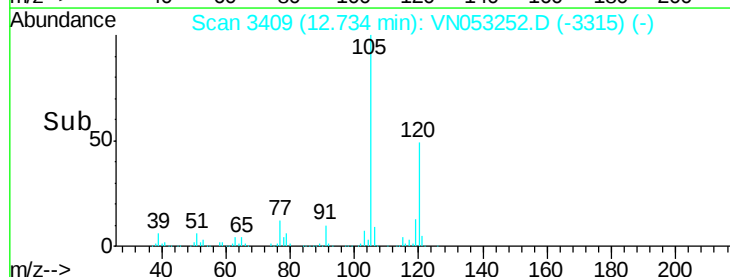
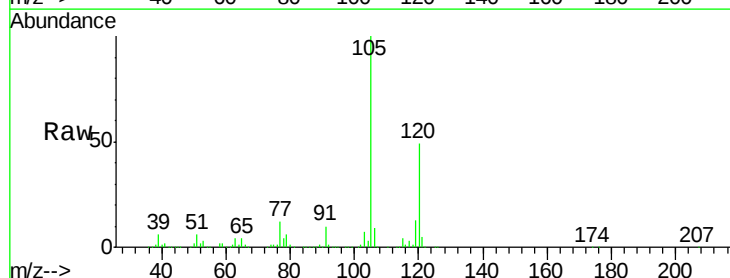
Acq: 3 Jan 2019 10:43

Tgt Ion: 105 Resp: 664687

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





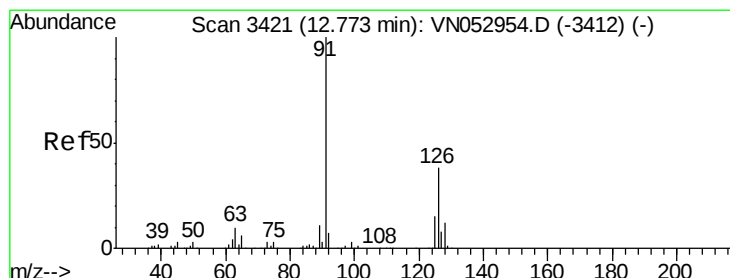
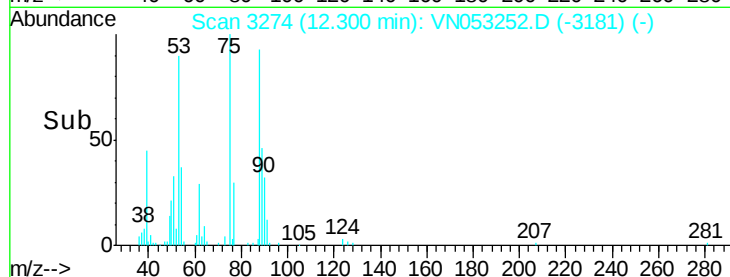
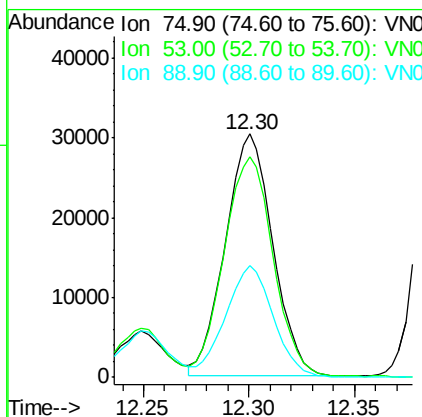
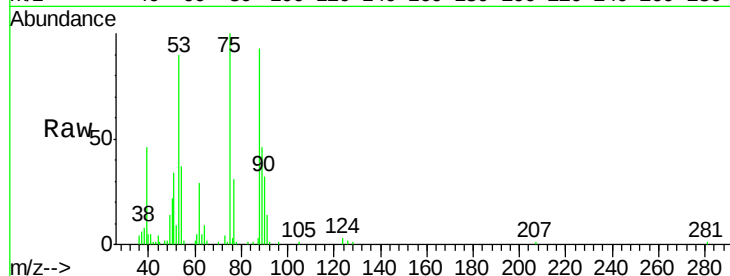
#81
trans-1,4-Dichloro-2-butene
Concen: 20.476 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0103WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.5	74.7	112.1
89	47.1	36.1	54.1

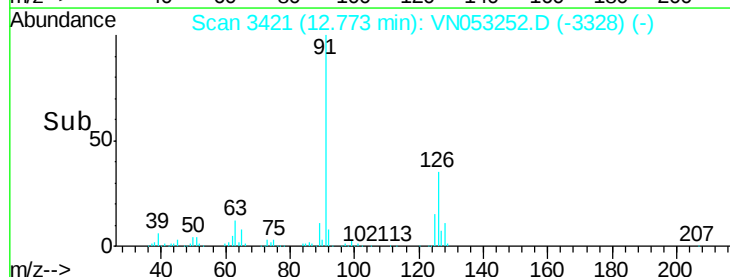
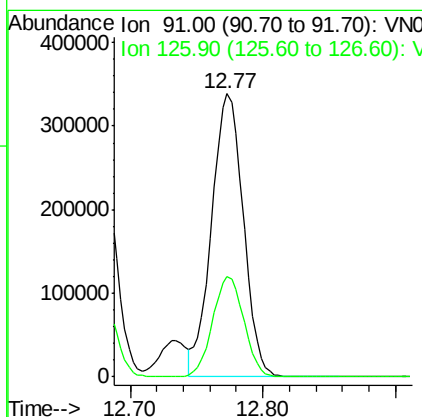
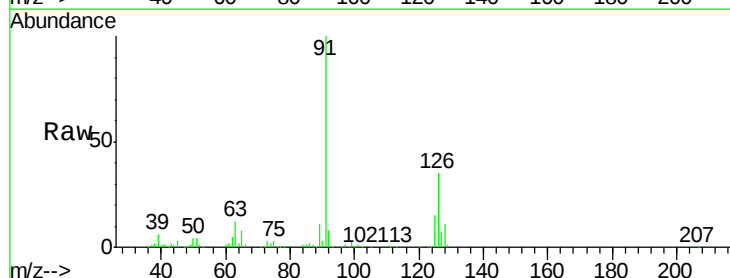
Manual Integrations
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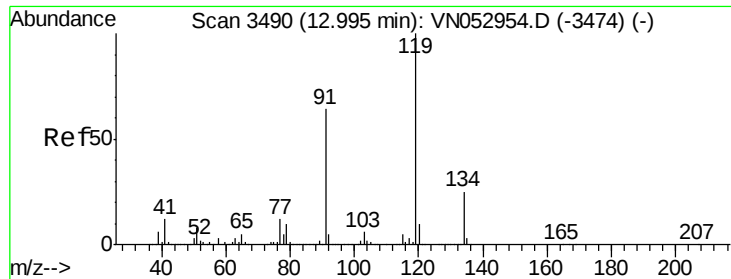
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#82
4-Chlorotoluene
Concen: 23.642 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.3	51.7





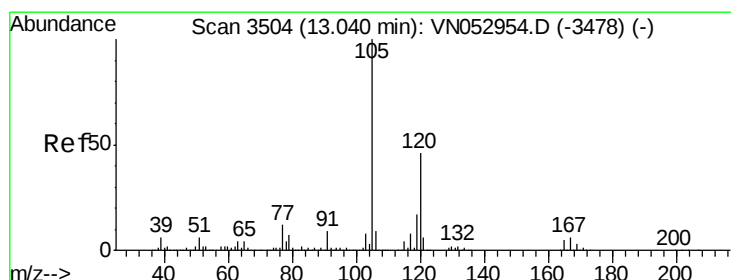
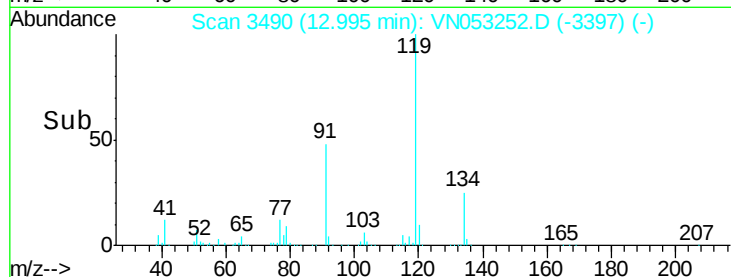
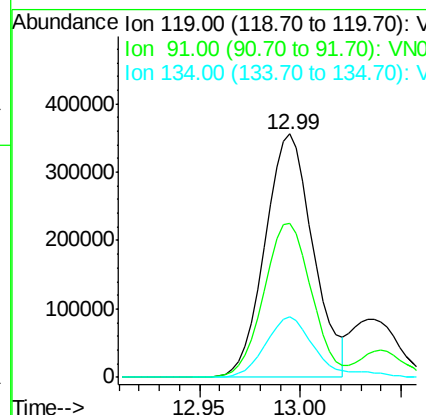
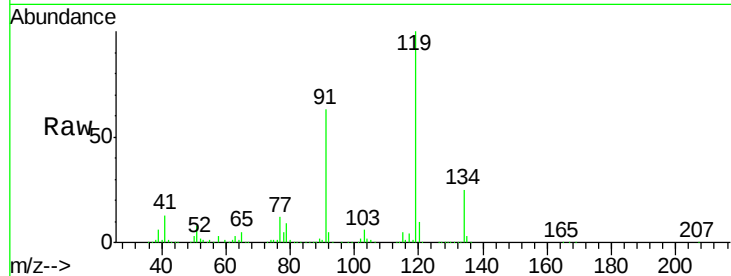
#83
 tert-Butylbenzene
 Concen: 23.837 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0103WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	590859		
91	62.5		31.9	95.5
134	25.9		12.8	38.4

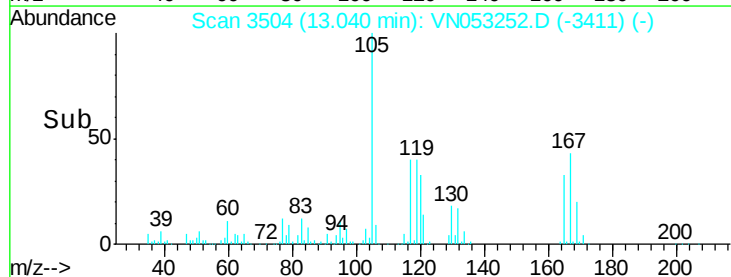
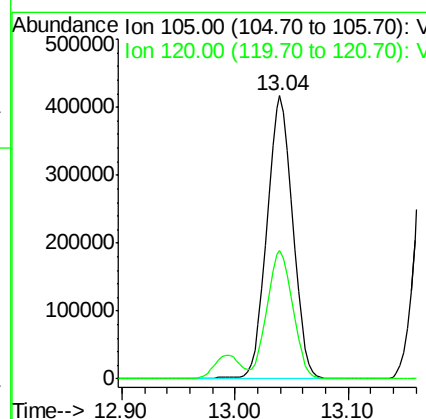
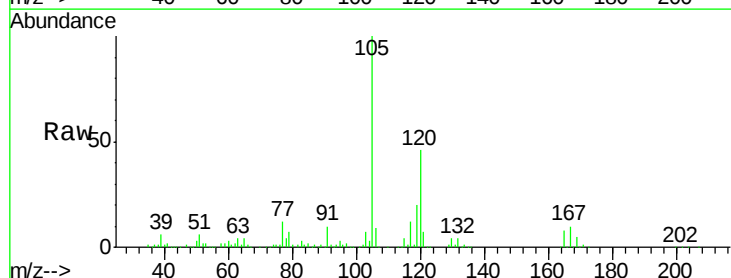
Manual Integrations
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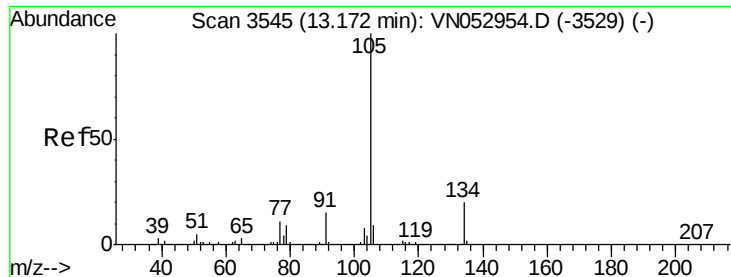
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.420 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	659866		
120	45.6		22.9	68.8





#85

sec-Butylbenzene

Concen: 22.708 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Instrument :

MSVOA_N

ClientSampled :

VN0103WBSD01

Tot Ion:105 Resp: 761338

Ion Ratio Lower Upper

105 100

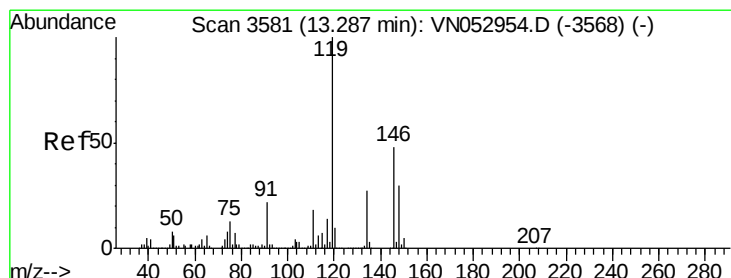
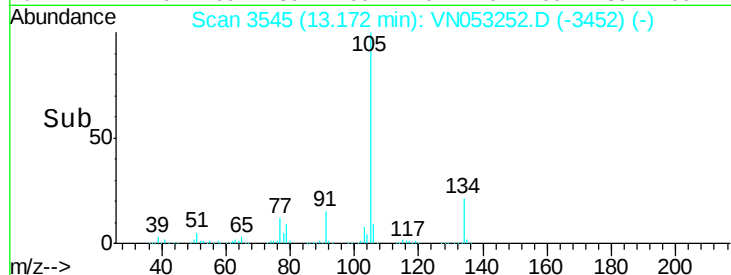
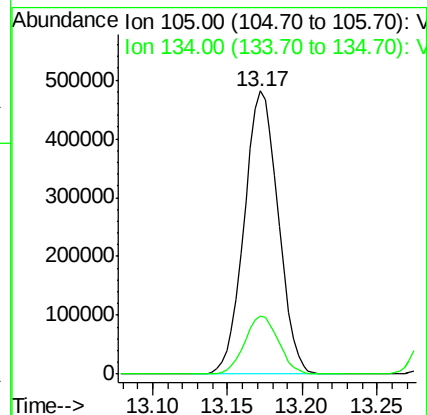
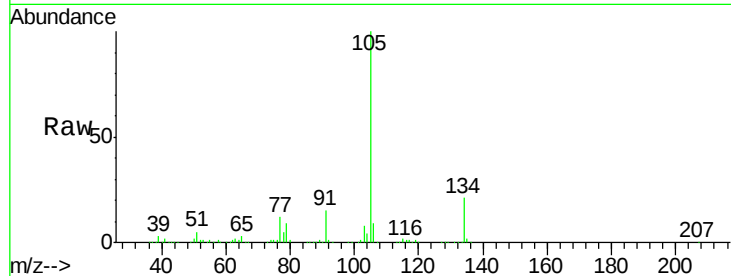
134 20.5 10.1 30.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.370 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

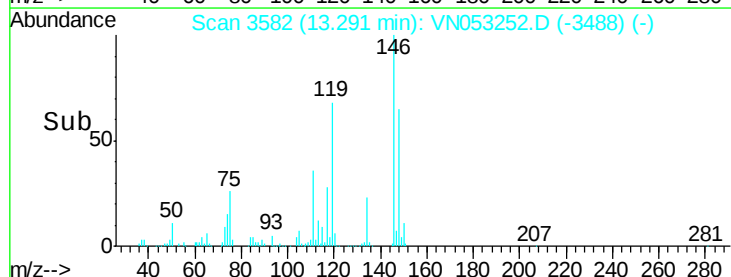
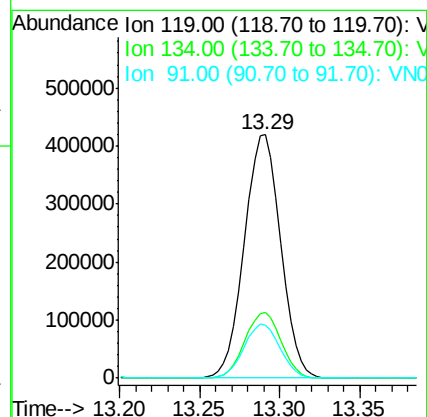
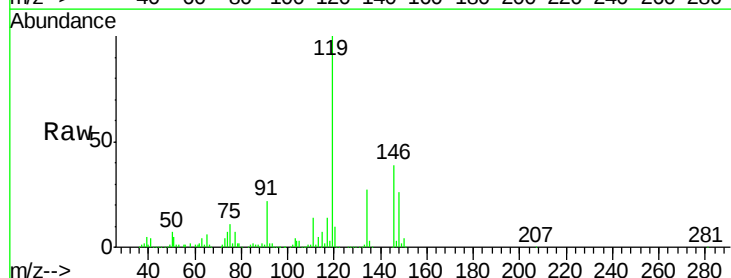
Tgt Ion:119 Resp: 648073

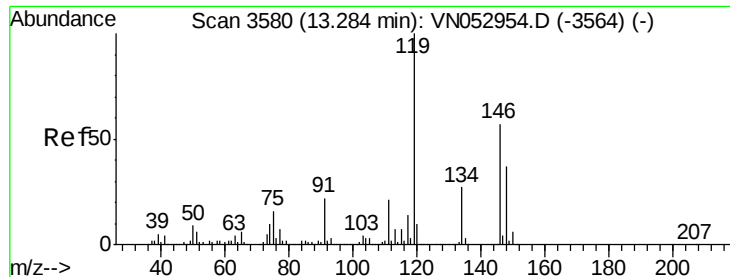
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 22.0 11.1 33.3





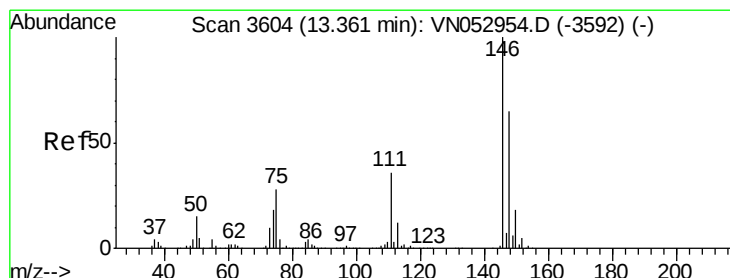
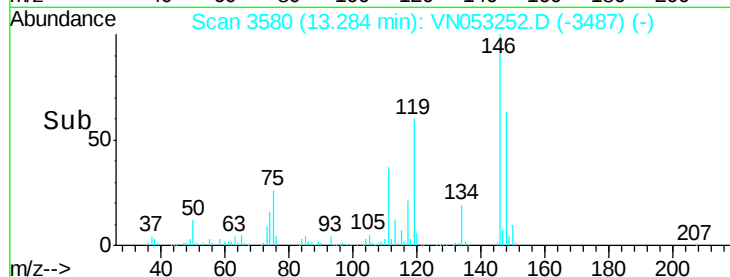
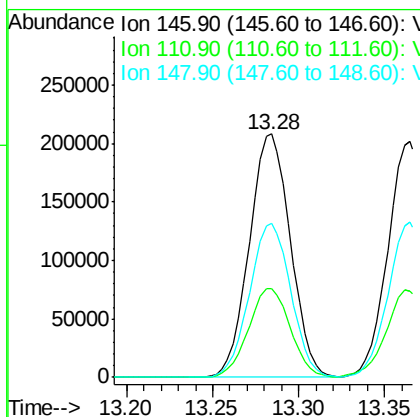
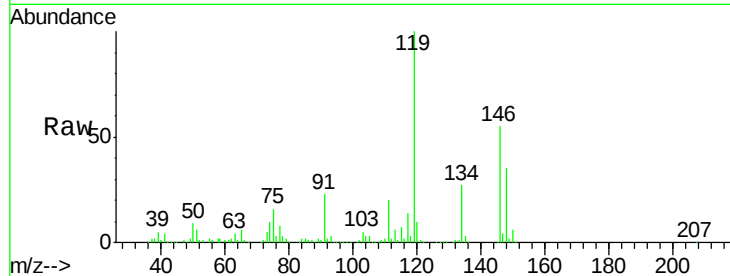
#87
 1,3-Dichlorobenzene
 Concen: 21.795 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0103WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.1	57.1
148	63.5	32.0	96.0

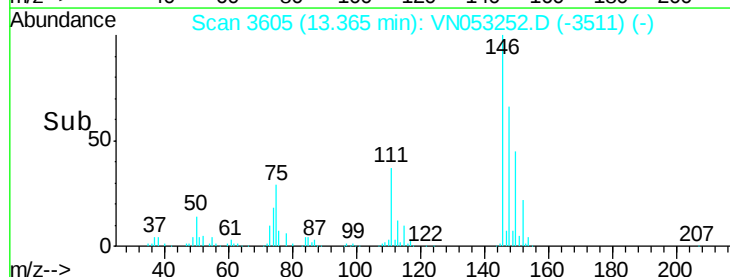
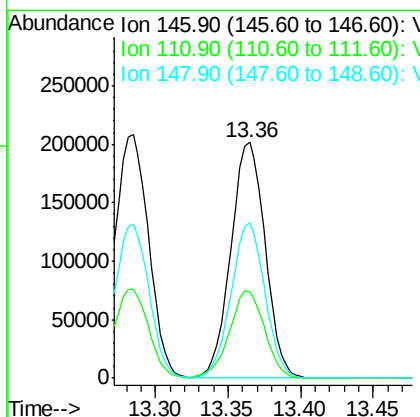
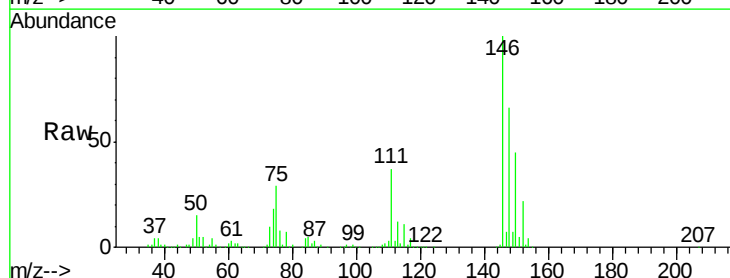
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#88
 1,4-Dichlorobenzene
 Concen: 20.683 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	64.7	32.1	96.5





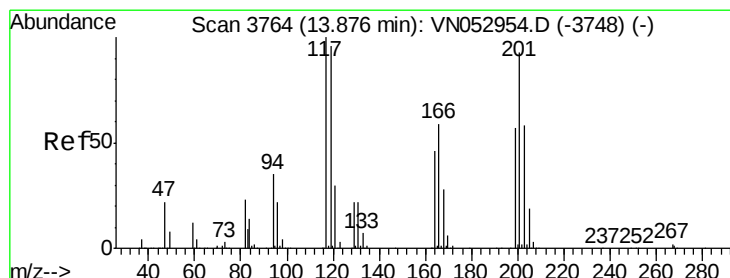
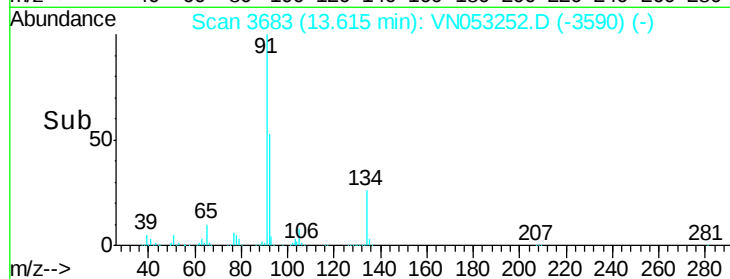
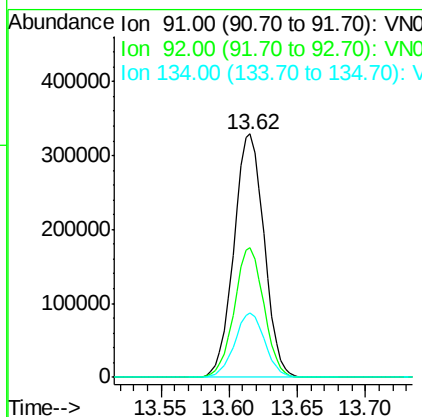
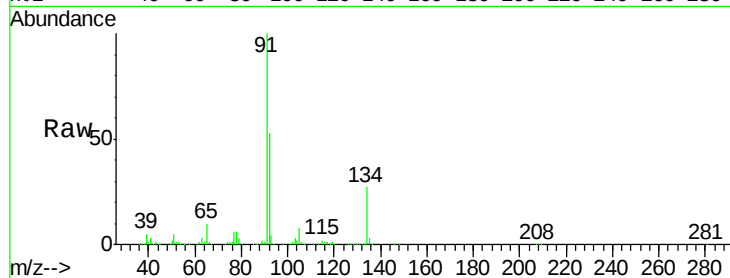
#89
n-Butylbenzene
Concen: 20.325 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Instrument :
MSVOA_N
ClientSampled :
VN0103WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.9
134	26.4	13.3	39.8

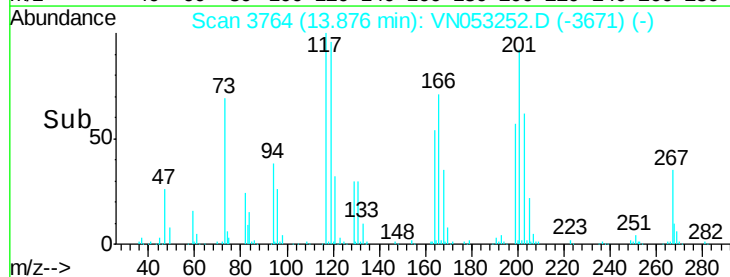
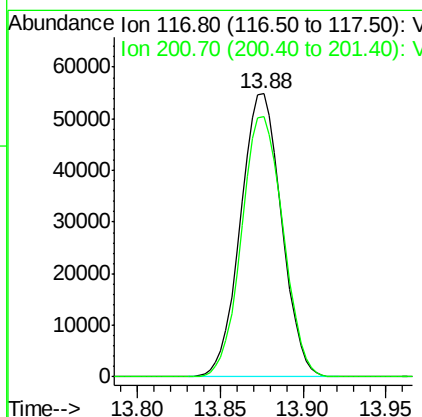
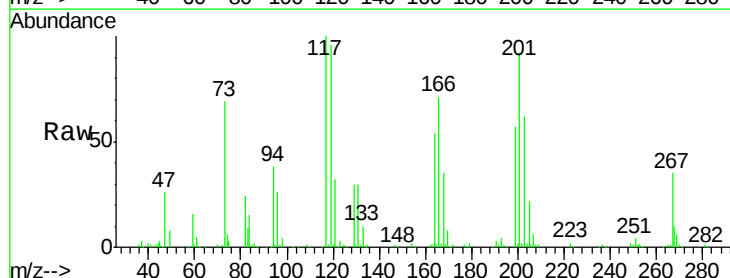
Manual Integrations
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#90
Hexachloroethane
Concen: 21.262 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053252.D
Acq: 3 Jan 2019 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.8	45.7	137.1





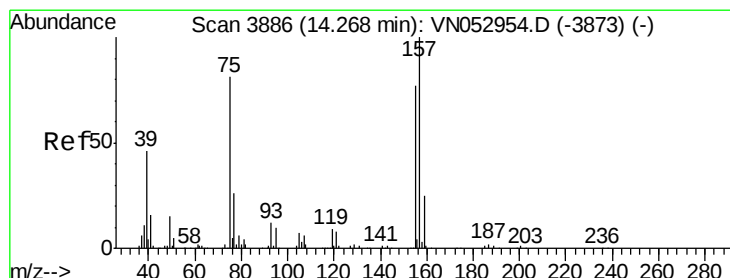
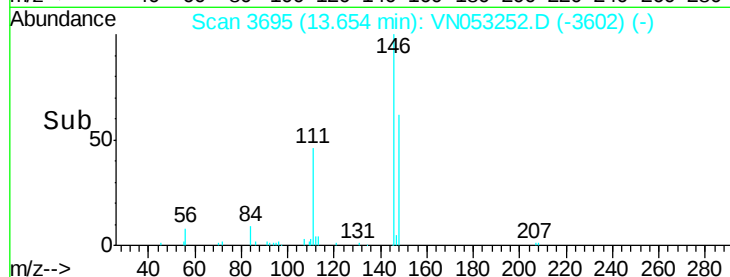
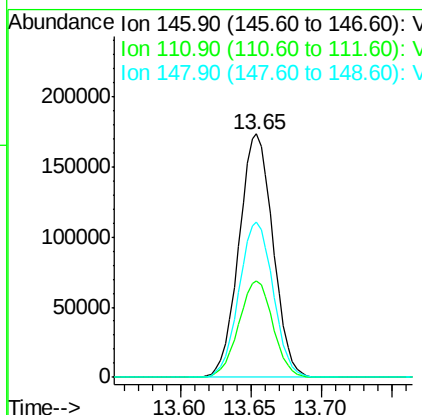
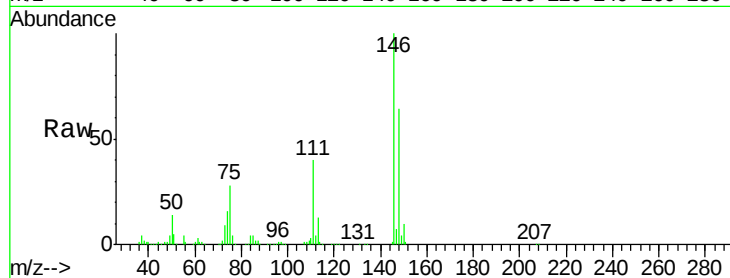
#91
 1,2-Dichlorobenzene
 Concen: 19.694 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0103WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.0
148	64.1	32.0	96.0

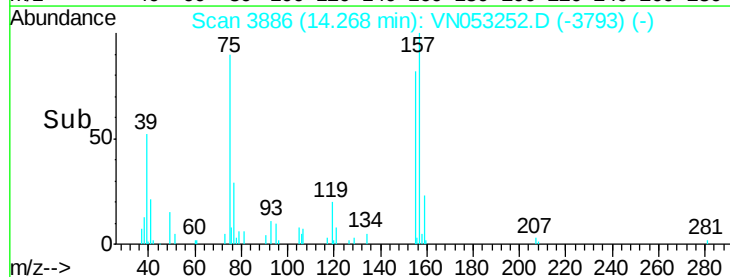
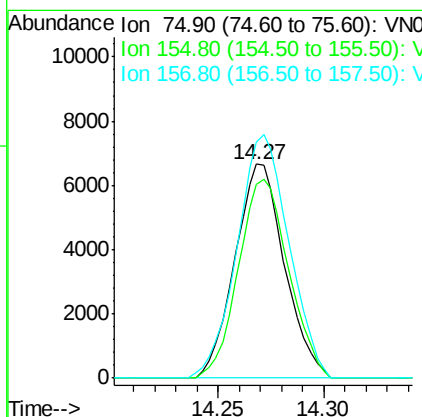
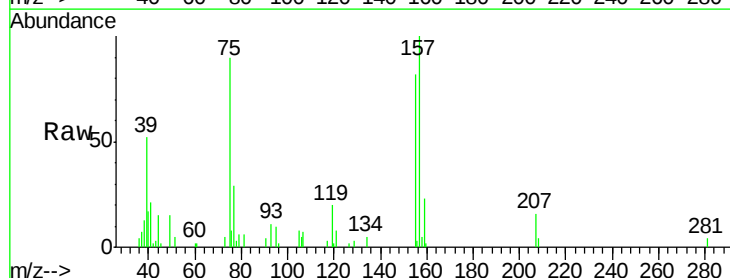
Manual Integrations
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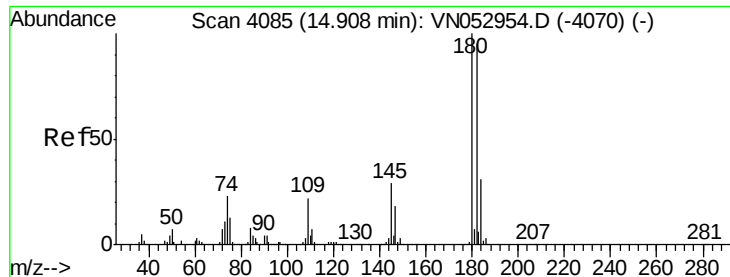
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.338 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN053252.D
 Acq: 3 Jan 2019 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	48.2	144.6
157	118.7	61.2	183.5





#93

1,2,4-Trichlorobenzene

Concen: 5.299 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Instrument :

MSVOA_N

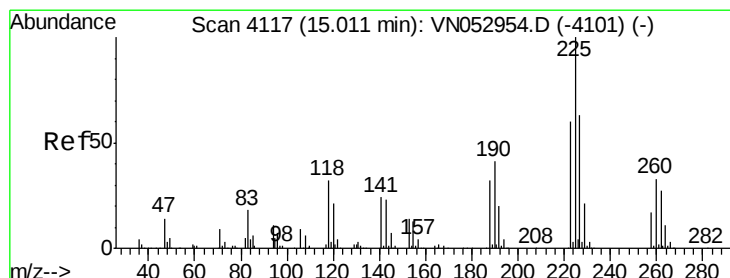
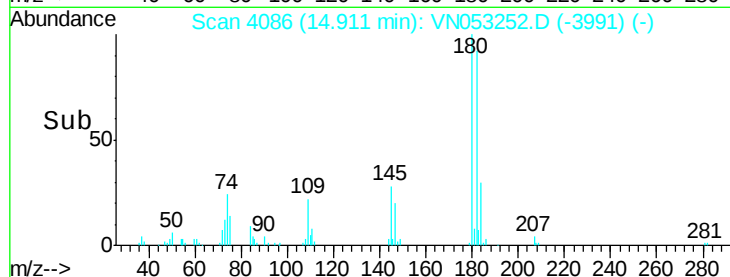
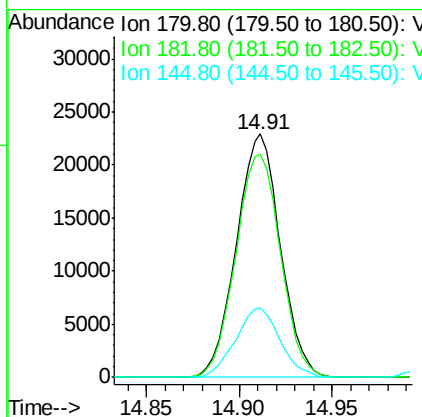
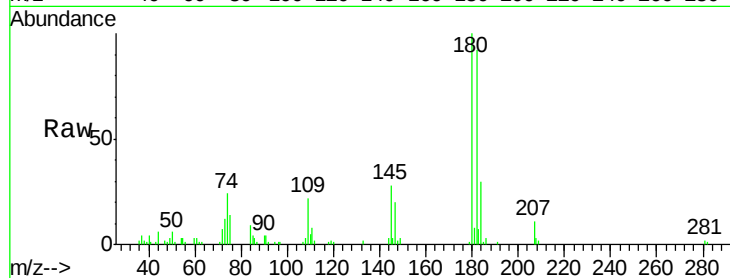
ClientSampled :

VN0103WBSD01

Tot Ion:	180	Resp:	37547
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.8	143.3
145	28.9	14.2	42.6

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 9.447 ug/l

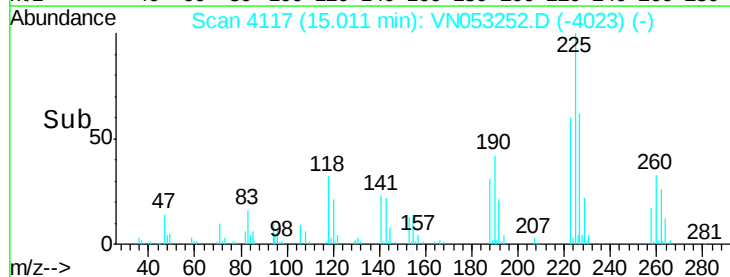
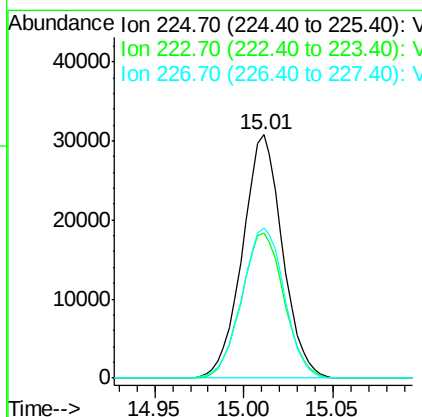
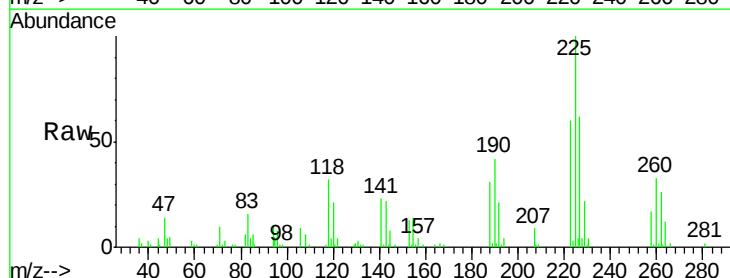
RT: 15.01 min Scan# 4117

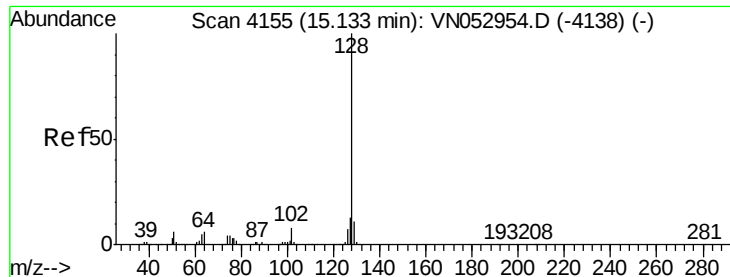
Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Tgt Ion:	225	Resp:	48096
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.5	94.5
227	65.3	31.9	95.7





#95

Naphthalene

Concen: 4.648 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Instrument :

MSVOA_N

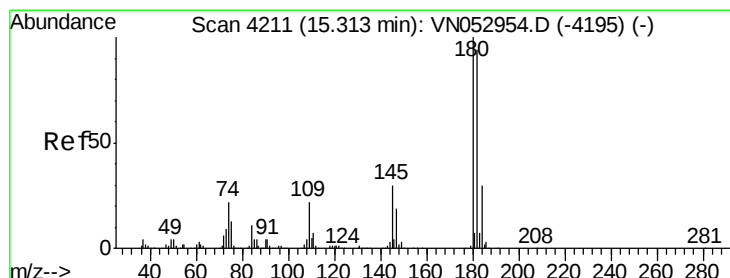
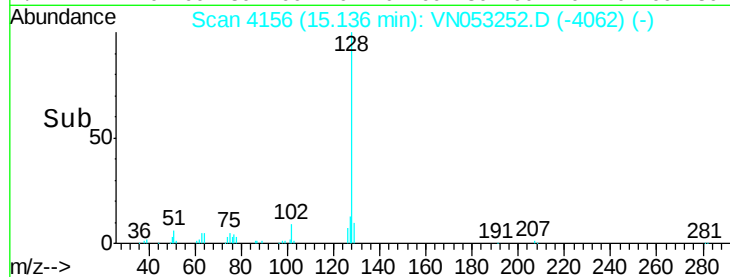
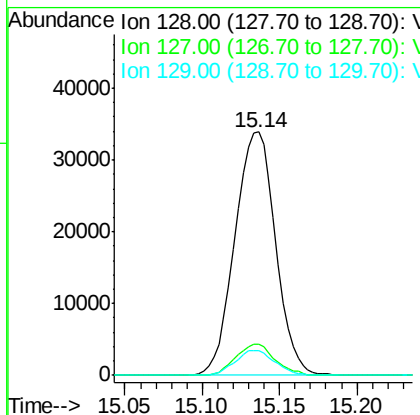
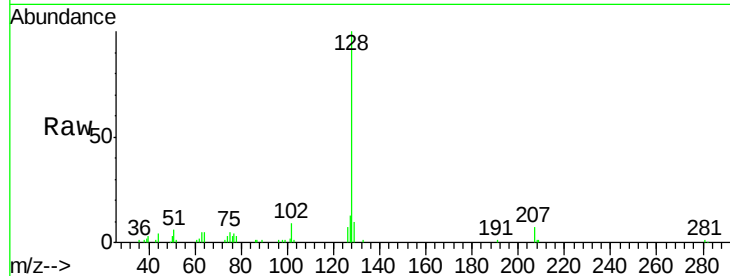
ClientSampleId :

VN0103WBSD01

Tot Ion:	128	Resp:	61930
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.2	15.4
129	9.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:39:02 PM



#96

1,2,3-Trichlorobenzene

Concen: 3.623 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053252.D

Acq: 3 Jan 2019 10:43

Tgt Ion:	180	Resp:	22354
Ion Ratio	Lower	Upper	
180	100		
182	93.9	47.9	143.7
145	29.2	15.0	45.0

