

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020519\
 Data File : VN053610.D
 Acq On : 5 Feb 2019 10:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/6/2019 12:46:49 PM

Quant Time: Feb 06 03:38:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	874656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1279983	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1122530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	544013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	397047	45.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.50%	
35) Dibromofluoromethane	7.59	113	384350	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
50) Toluene-d8	10.09	98	1438752	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
62) 4-Bromofluorobenzene	12.40	95	490502	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	476203	48.305	ug/l	99
3) Chloromethane	2.06	50	491442	47.327	ug/l	100
4) Vinyl Chloride	2.19	62	481863	47.803	ug/l	99
5) Bromomethane	2.57	94	304593	46.215	ug/l	99
6) Chloroethane	2.71	64	277208	48.124	ug/l	99
7) Trichlorofluoromethane	3.02	101	661869	48.420	ug/l	98
8) Diethyl Ether	3.41	74	232257	46.525	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	421945	49.911	ug/l	98
10) Methyl Iodide	3.95	142	629759	47.461	ug/l	100
11) Tert butyl alcohol	4.77	59	127480	245.486	ug/l	100
12) 1,1-Dichloroethene	3.74	96	390006	48.152	ug/l	98
13) Acrolein	3.61	56	88860	314.288	ug/l	99
14) Allyl chloride	4.32	41	623898	48.379	ug/l	99
15) Acrylonitrile	4.98	53	676171	241.195	ug/l	100
16) Acetone	3.81	43	569109	252.861	ug/l	98
17) Carbon Disulfide	4.05	76	1156739	45.866	ug/l	99
18) Methyl Acetate	4.32	43	314530	47.188	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	1004628	48.928	ug/l	99
20) Methylene Chloride	4.55	84	435676	46.140	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	412279	47.181	ug/l	98
22) Diisopropyl ether	5.95	45	1203461	50.363	ug/l	95
23) Vinyl Acetate	5.89	43	4131291	249.918	ug/l	99
24) 1,1-Dichloroethane	5.85	63	759756	47.669	ug/l	100
25) 2-Butanone	6.83	43	787977	245.479	ug/l	98
26) 2,2-Dichloropropane	6.82	77	592067	48.663	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	469571	48.326	ug/l	98
28) Bromochloromethane	7.19	49	323836	46.821	ug/l	96
29) Tetrahydrofuran	7.21	42	493272	239.311	ug/l	97
30) Chloroform	7.37	83	744796	47.141	ug/l	100
31) Cyclohexane	7.65	56	708555	47.742	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	635207	48.311	ug/l	99
36) 1,1-Dichloropropene	7.79	75	588958	51.044	ug/l	99
37) Ethyl Acetate	6.92	43	328775	51.019	ug/l	99
38) Carbon Tetrachloride	7.77	117	577280	49.665	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	723422	52.847	ug/l	99
40) Benzene	8.04	78	1751231	49.218	ug/l	99
41) Methacrylonitrile	7.17	41	173274	48.110	ug/l	86
42) 1,2-Dichloroethane	8.12	62	510576	48.328	ug/l	99
43) Isopropyl Acetate	8.16	43	576009	46.284	ug/l	98
44) Trichloroethene	8.83	130	501571	49.515	ug/l	99
45) 1,2-Dichloropropane	9.12	63	455168	50.015	ug/l	100
46) Dibromomethane	9.21	93	263451	48.022	ug/l	98
47) Bromodichloromethane	9.40	83	570186	49.988	ug/l	99
48) Methyl methacrylate	9.20	41	283618	47.743	ug/l	93
49) 1,4-Dioxane	9.20	88	82742	962.754	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1573703	257.329	ug/l	100
52) Toluene	10.16	92	1063320	50.353	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	578828	50.677	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	689213	50.921	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	376774	49.514	ug/l	100
56) Ethyl methacrylate	10.43	69	472467	52.485	ug/l	99
57) 1,3-Dichloropropane	10.71	76	635238	48.846	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1127836	203.559	ug/l	99
59) 2-Hexanone	10.75	43	1058691	255.005	ug/l	99
60) Dibromochloromethane	10.90	129	434852	50.677	ug/l	99
61) 1,2-Dibromoethane	11.00	107	358917	47.655	ug/l	99
64) Tetrachloroethene	10.63	164	471366	48.986	ug/l	99
65) Chlorobenzene	11.43	112	1170404	49.086	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	422308	50.714	ug/l	100
67) Ethyl Benzene	11.51	91	1981547	50.591	ug/l	99
68) m/p-Xylenes	11.62	106	1543182	103.230	ug/l	100
69) o-Xylene	11.95	106	738969	51.168	ug/l	100
70) Styrene	11.96	104	1217454	52.010	ug/l	100
71) Bromoform	12.13	173	294745	51.629	ug/l #	99
73) Isopropylbenzene	12.25	105	1937628	50.666	ug/l	100
74) N-amyl acetate	12.07	43	473249	51.461	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	432468	47.251	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	352681m	50.473	ug/l	
77) Bromobenzene	12.53	156	508547	49.341	ug/l	98
78) n-propylbenzene	12.59	91	2286058	51.709	ug/l	100
79) 2-Chlorotoluene	12.67	91	1313129	50.064	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1658128	52.285	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	123800	49.820	ug/l	98
82) 4-Chlorotoluene	12.77	91	1364839	50.711	ug/l	100
83) tert-Butylbenzene	12.99	119	1444209	51.526	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1685523	52.168	ug/l	100
85) sec-Butylbenzene	13.17	105	1970964	51.675	ug/l	100
86) p-Isopropyltoluene	13.29	119	1753075	52.553	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	920170	49.663	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	911025	49.707	ug/l	99
89) n-Butylbenzene	13.61	91	1526003	52.851	ug/l	100
90) Hexachloroethane	13.88	117	284421	51.691	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	870425	49.072	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61599	47.224	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	528676	51.967	ug/l	99
94) Hexachlorobutadiene	15.01	225	297646	46.981	ug/l	100
95) Naphthalene	15.13	128	1082892	45.477	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	472644	50.071	ug/l	100

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

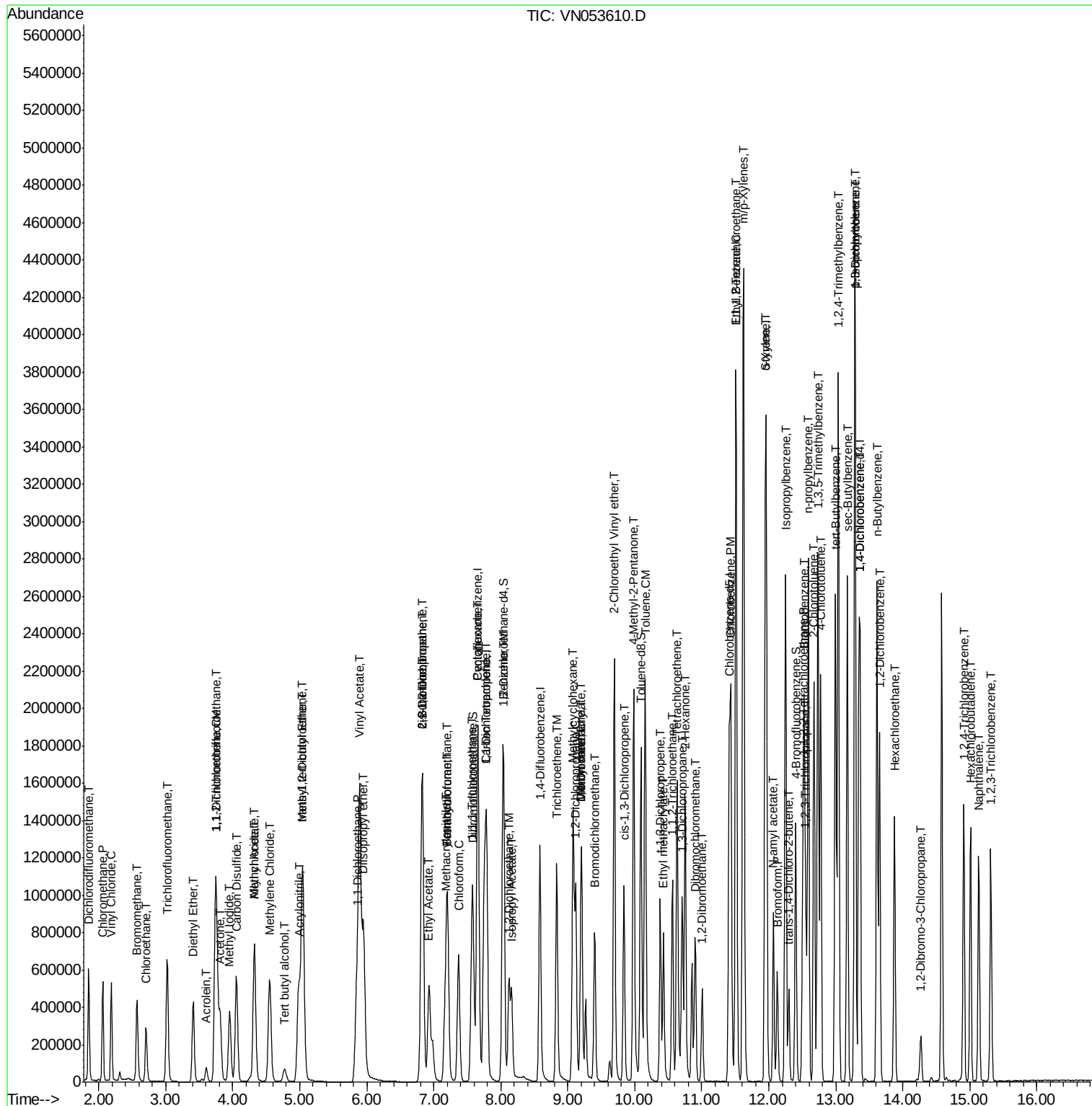
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Data File : VN053610.D
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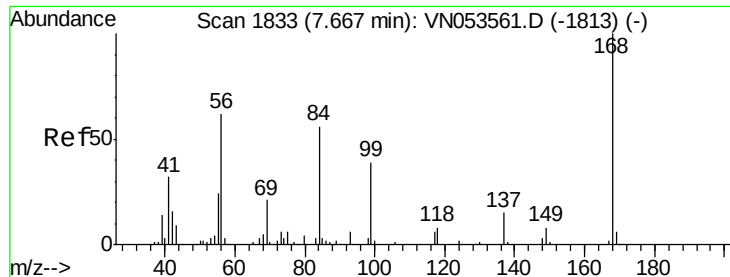
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 874656

Ion Ratio Lower Upper

168 100

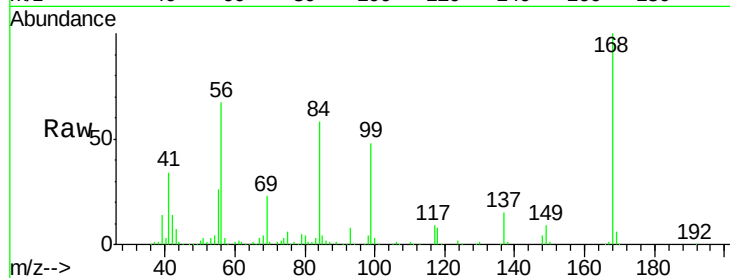
99 48.1 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

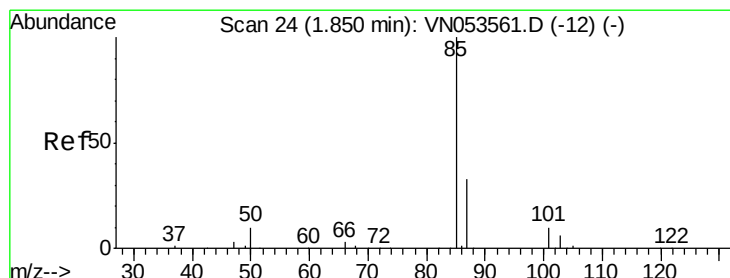
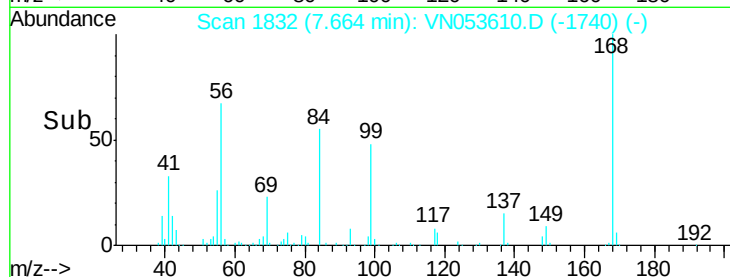
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 48.305 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053610.D

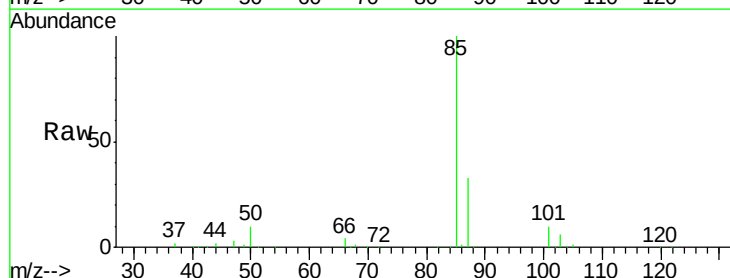
Acq: 5 Feb 2019 10:33

Tgt Ion: 85 Resp: 476203

Ion Ratio Lower Upper

85 100

87 32.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

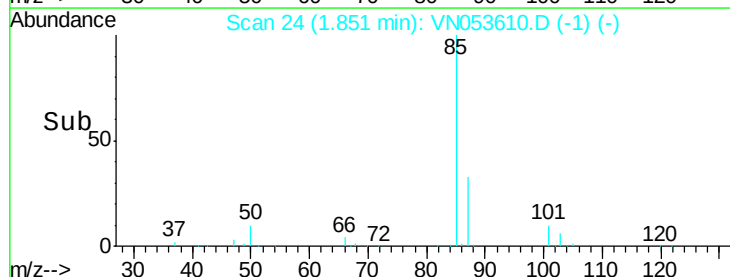
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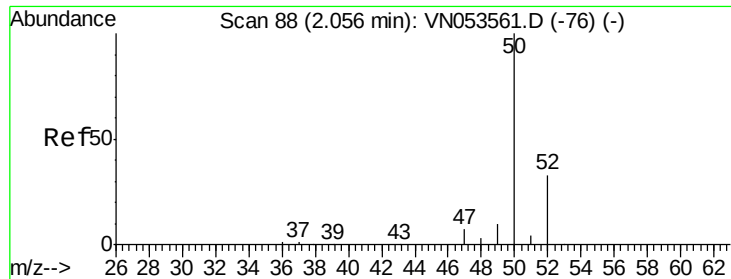
200000

100000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 47.327 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 491442

Ion Ratio Lower Upper

50 100

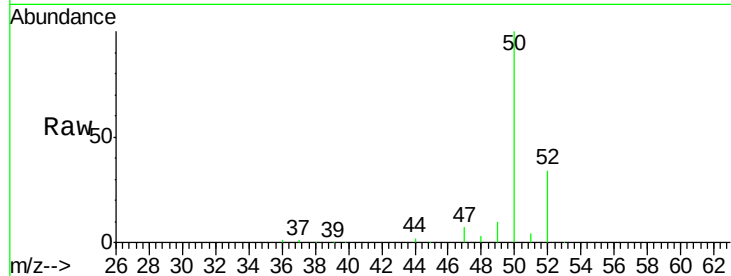
52 33.5 26.6 40.0

Manual Integrations

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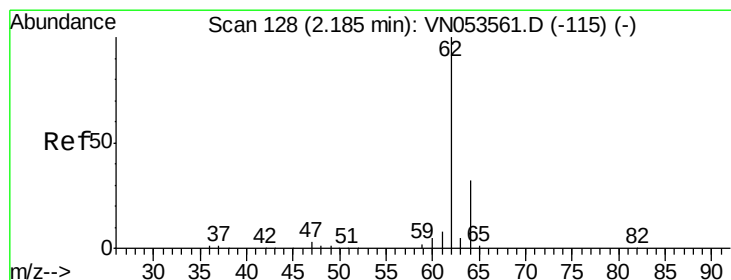
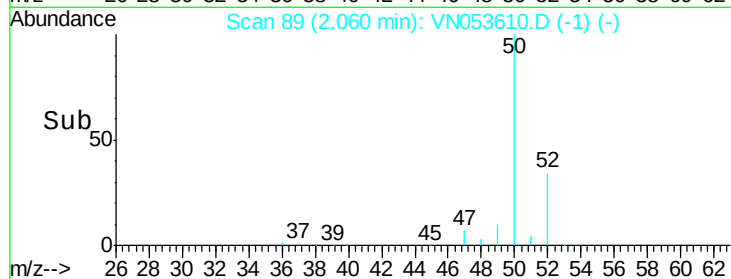
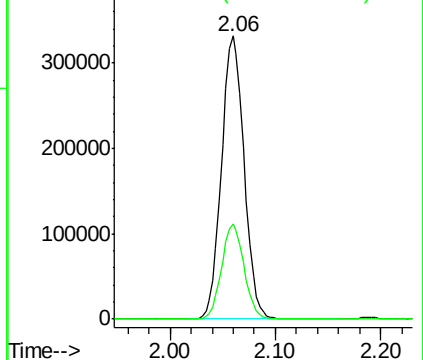
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 47.803 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053610.D

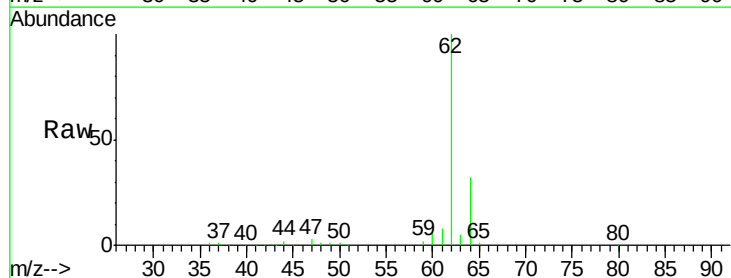
Acq: 5 Feb 2019 10:33

Tgt Ion: 62 Resp: 481863

Ion Ratio Lower Upper

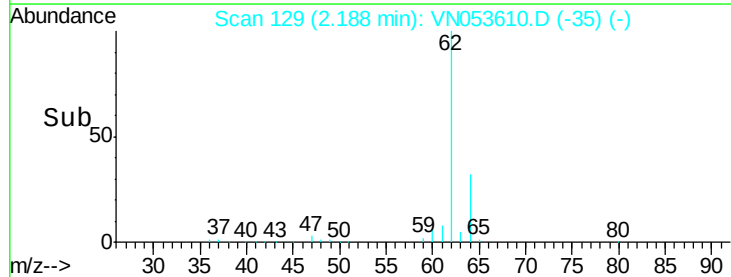
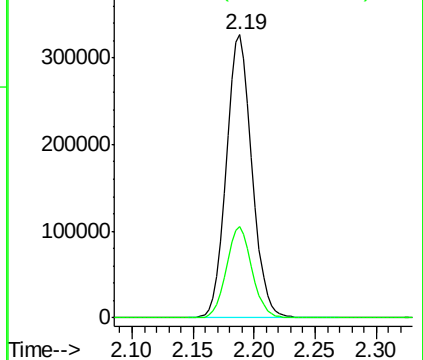
62 100

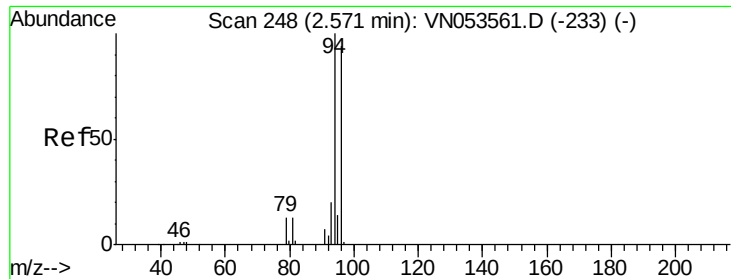
64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 46.215 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 304593

Ion Ratio Lower Upper

94 100

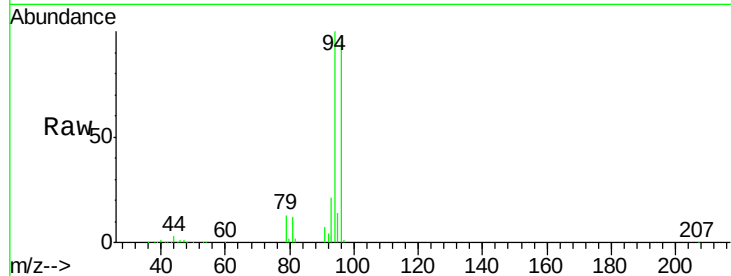
96 95.0 76.8 115.2

Manual Integrations

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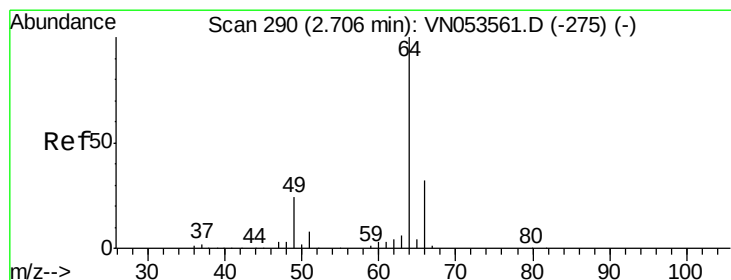
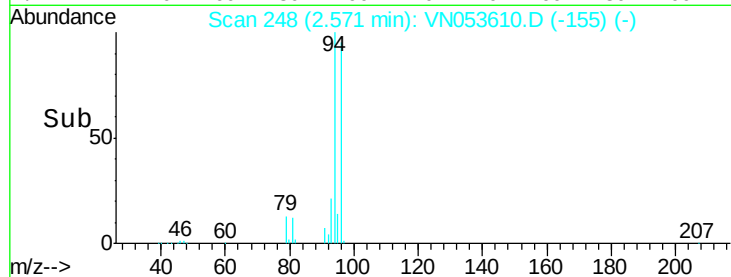
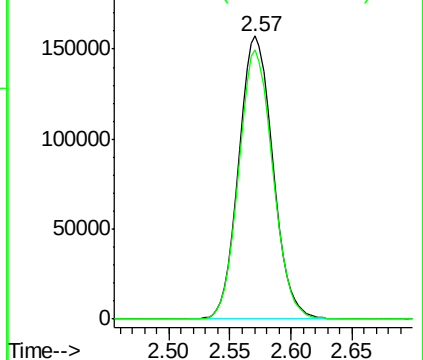
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.124 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053610.D

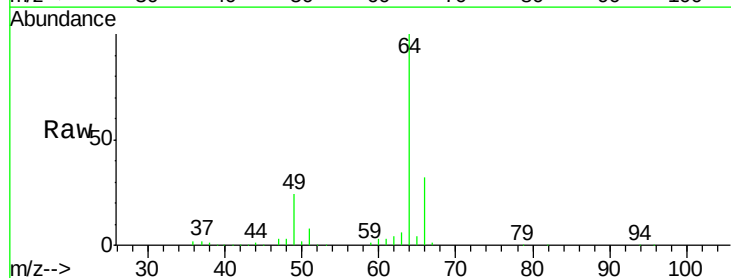
Acq: 5 Feb 2019 10:33

Tgt Ion: 64 Resp: 277208

Ion Ratio Lower Upper

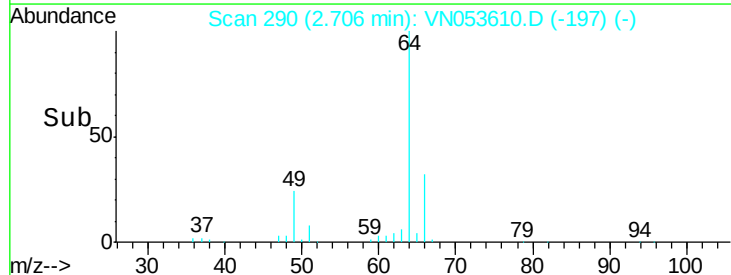
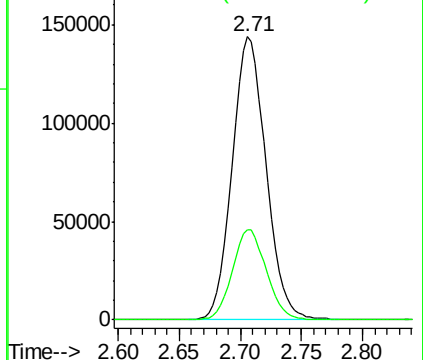
64 100

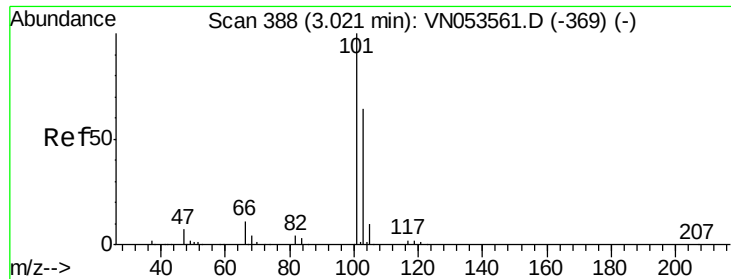
66 32.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

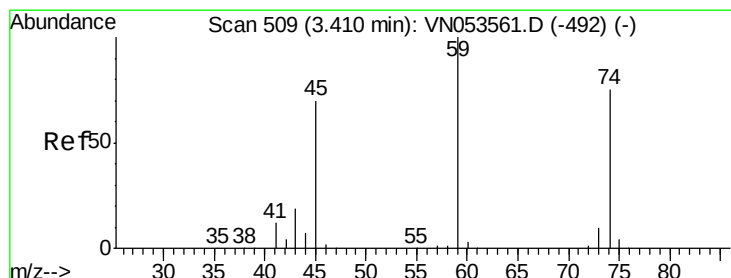
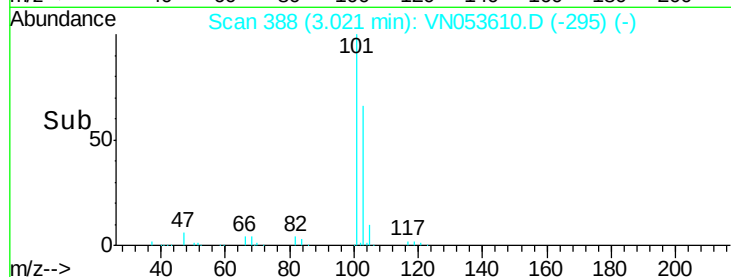
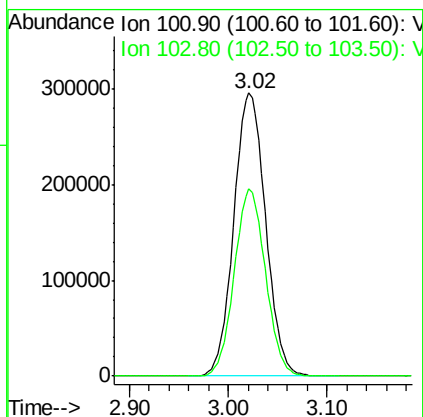
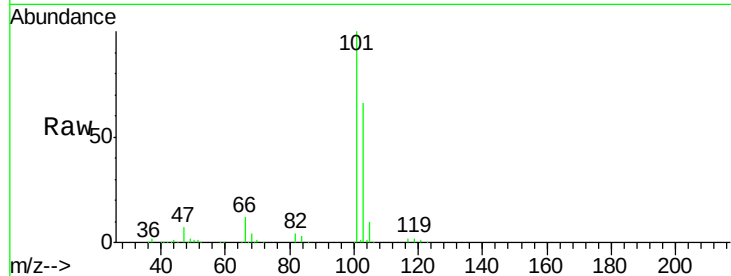
Trichlorofluoromethane
Concen: 48.420 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.6	77.4

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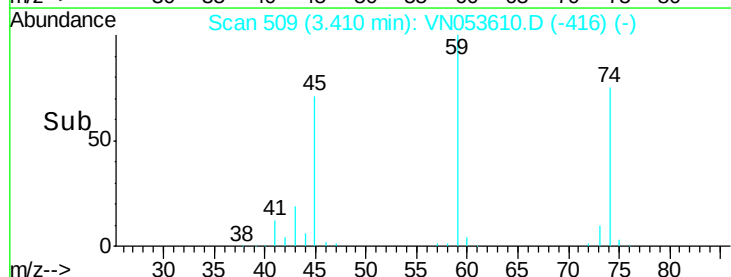
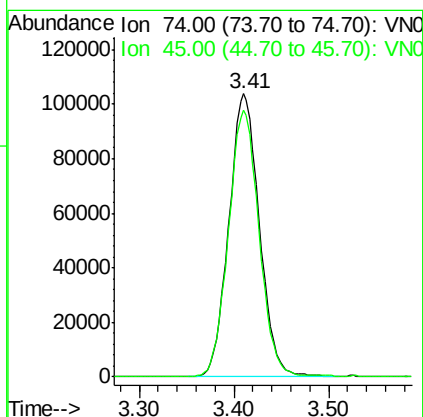
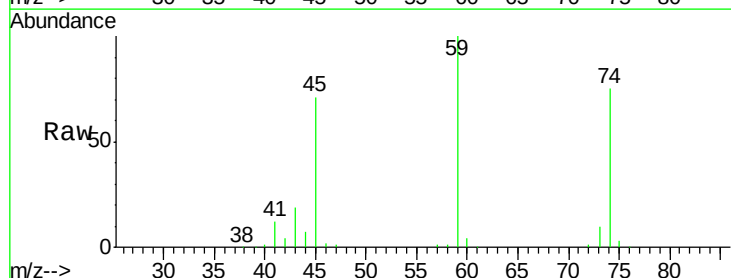
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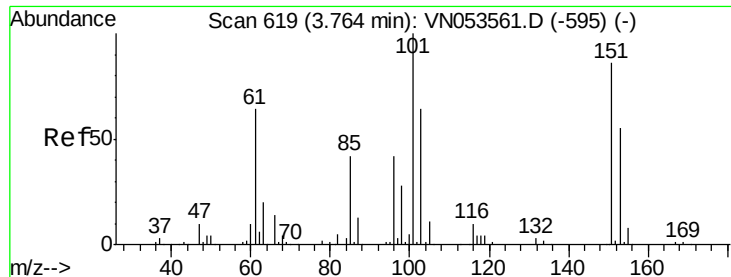


#8

Diethyl Ether
Concen: 46.525 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.911 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

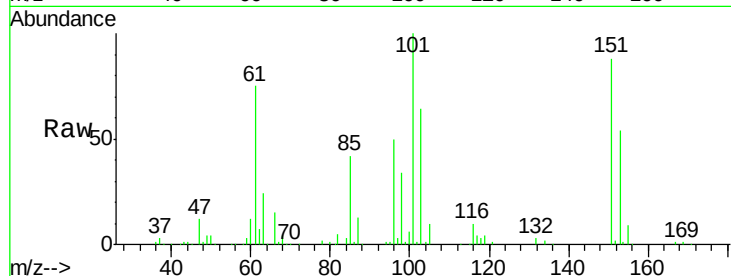
ClientSampled :

VSTDCCC050

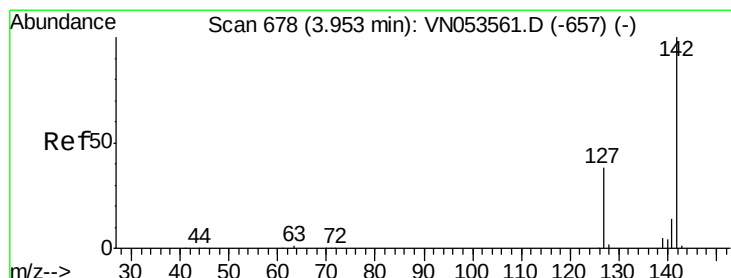
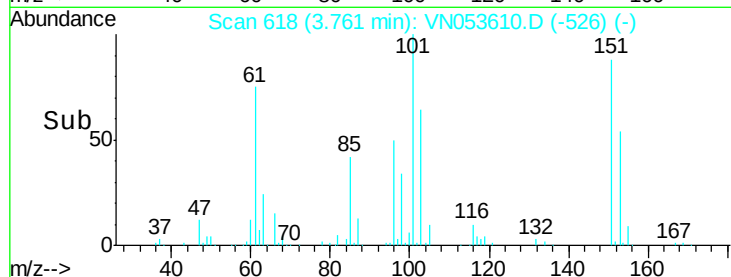
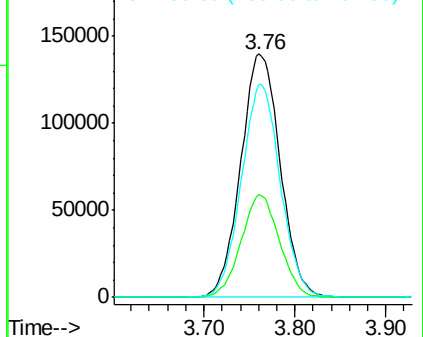
Tot Ion:	101	Resp:	421945
Ion Ratio	Lower	Upper	
101	100		
85	41.0	32.8	49.2
151	86.4	66.9	100.3

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



#10

Methyl Iodide

Concen: 47.461 ug/l

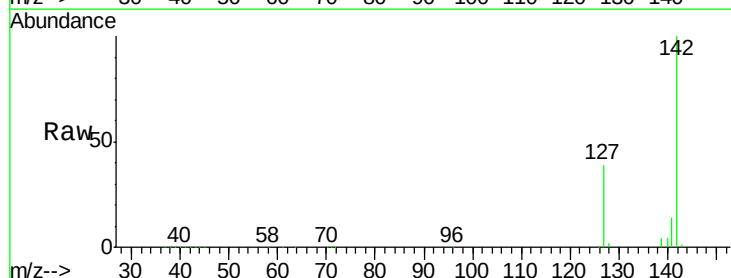
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

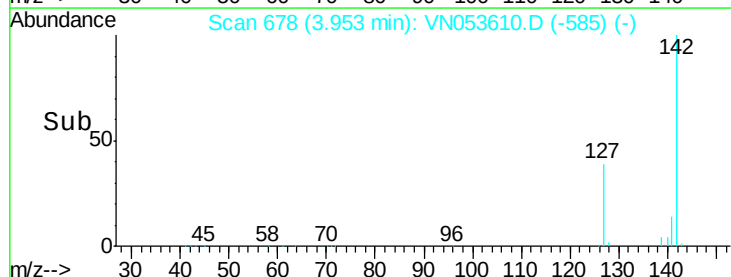
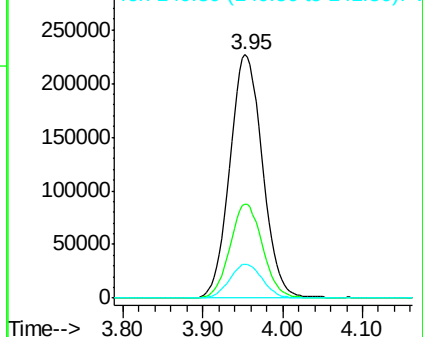
Lab File: VN053610.D

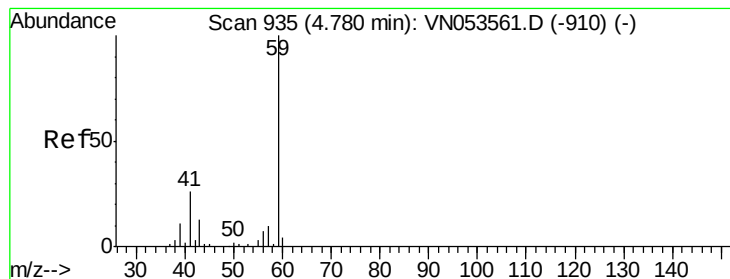
Acq: 5 Feb 2019 10:33

Tgt Ion:	142	Resp:	629759
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.0	46.4
141	14.1	11.1	16.7



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





#11

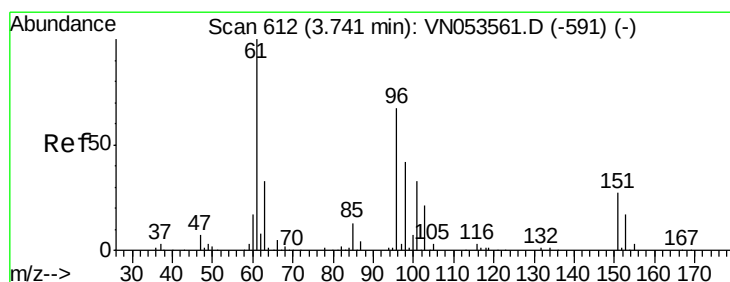
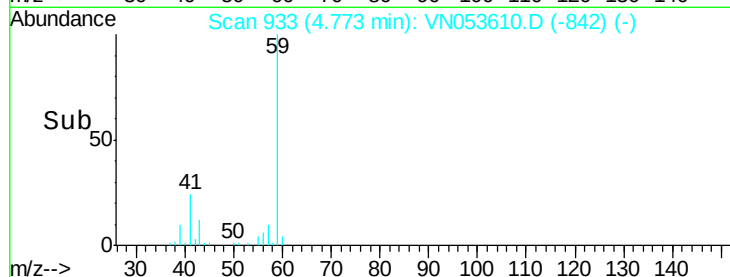
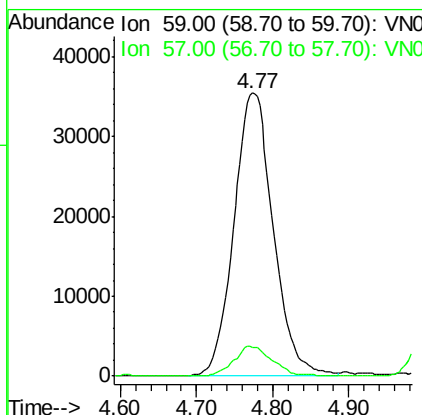
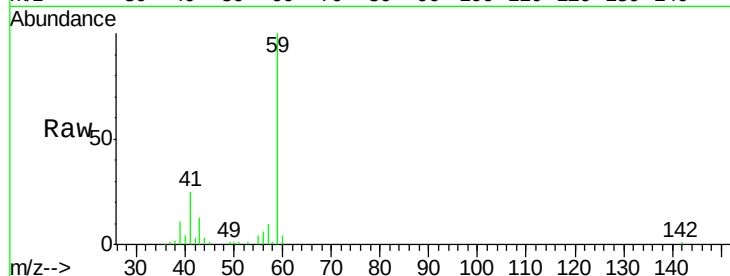
Tert butyl alcohol
 Concen: 245.486 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN053610.D
 Acq: 5 Feb 2019 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

Manual Integrations
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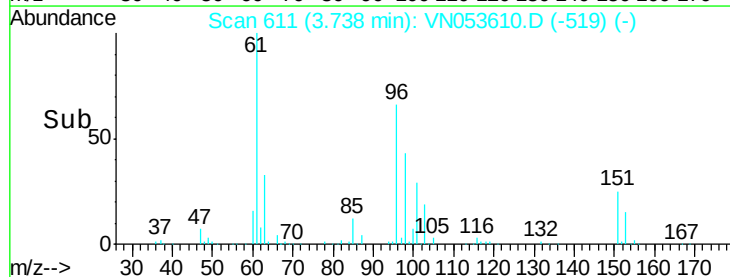
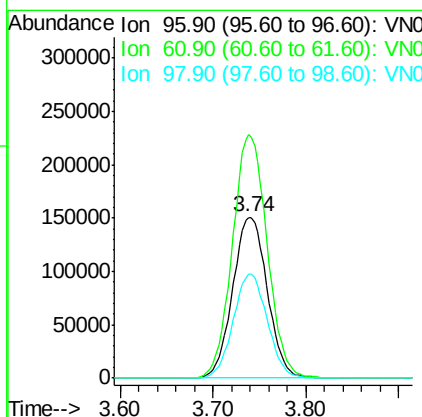
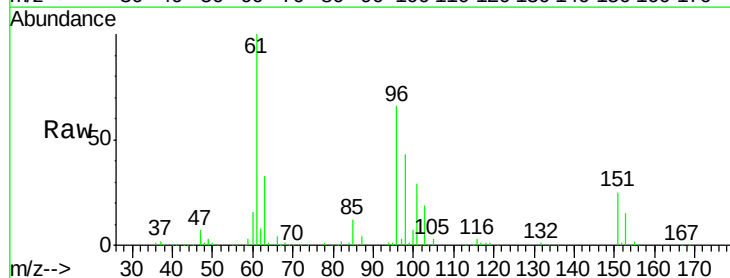
MMDadoda
 2/6/2019 12:46:49 PM

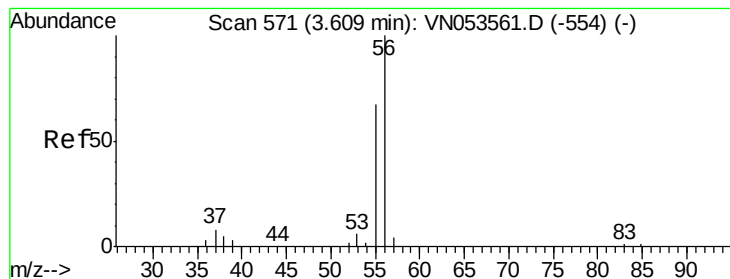


#12

1,1-Dichloroethene
 Concen: 48.152 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN053610.D
 Acq: 5 Feb 2019 10:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.5	122.9	184.3
98	64.5	49.4	74.0





#13

Acrolein

Concen: 314.288 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 88860

Ion Ratio Lower Upper

56 100

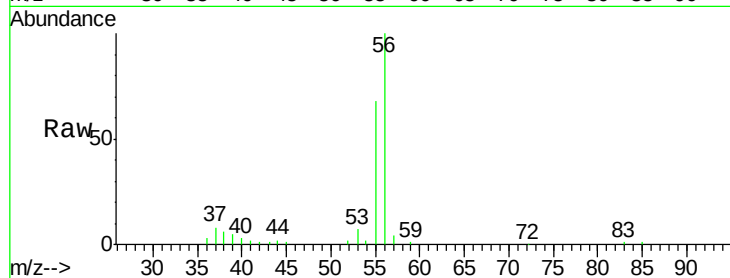
55 70.6 57.4 86.0

Manual Integrations

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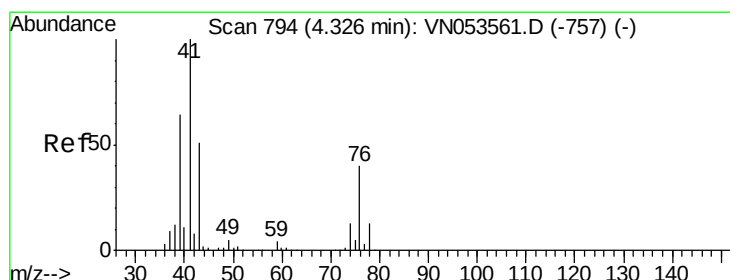
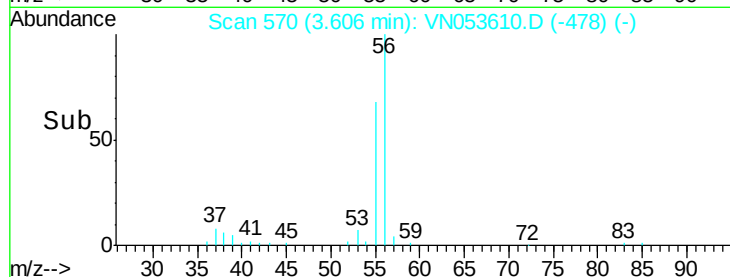
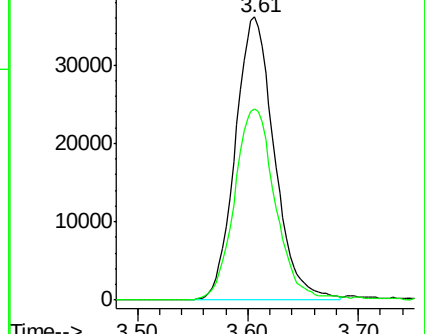
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.379 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

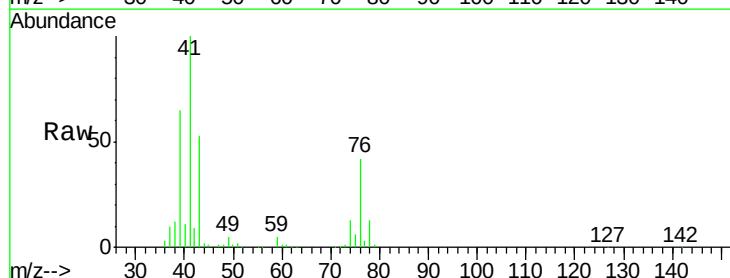
Tgt Ion: 41 Resp: 623898

Ion Ratio Lower Upper

41 100

39 61.5 48.9 73.3

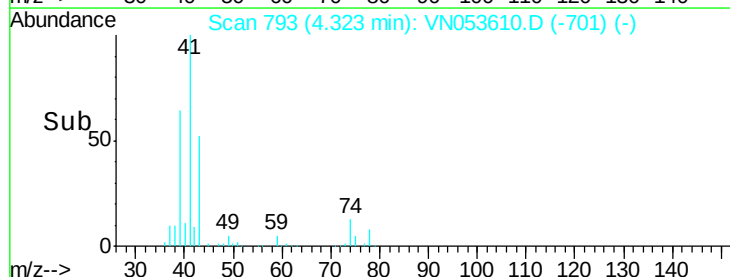
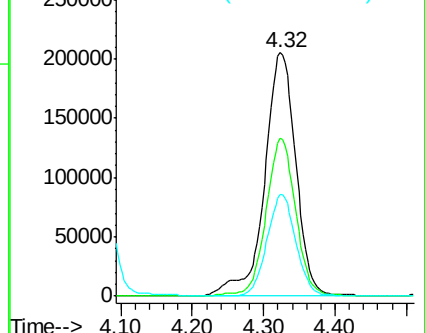
76 38.0 29.4 44.2

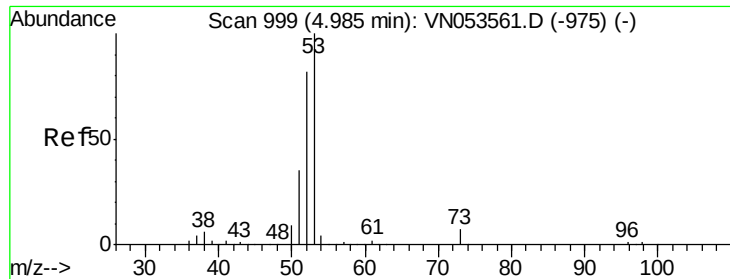


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 241.195 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

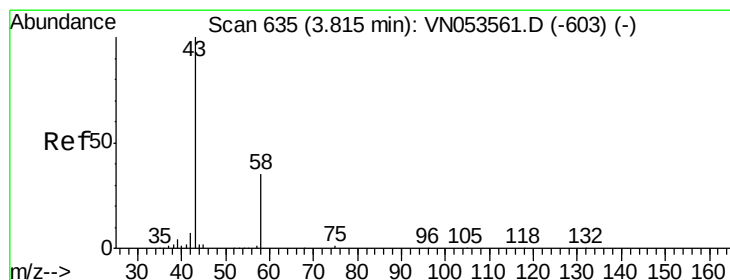
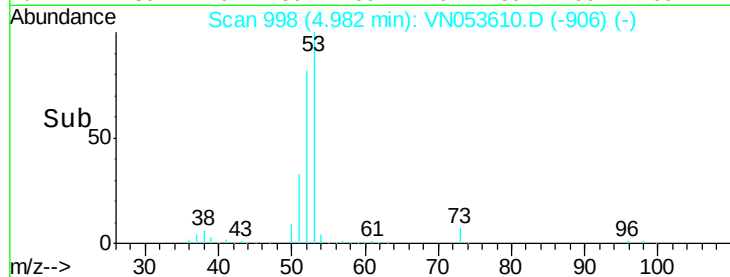
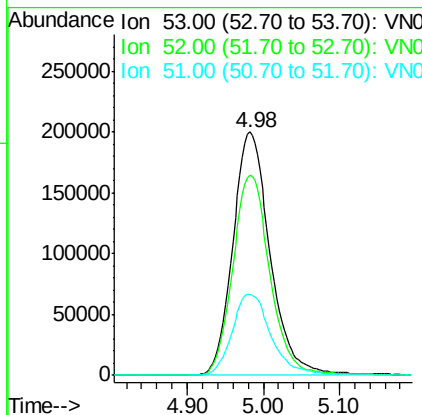
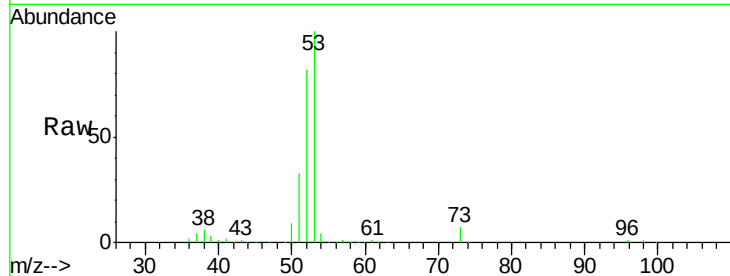
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	676171
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.0	99.0
51	35.3	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 252.861 ug/l

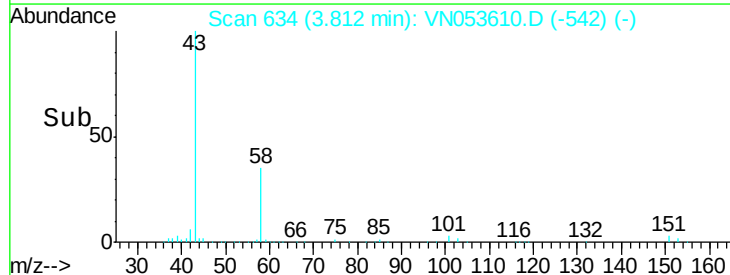
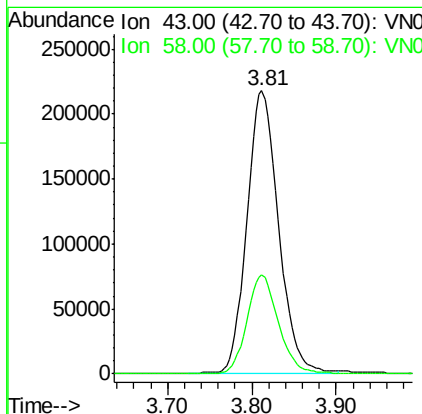
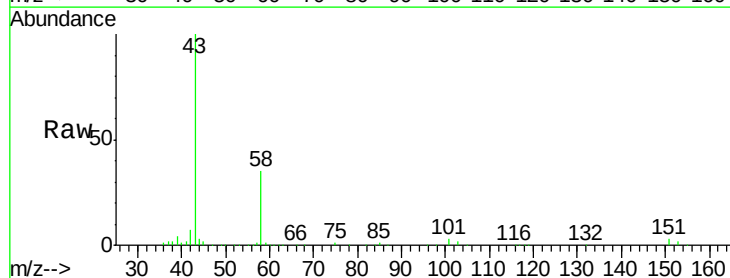
RT: 3.81 min Scan# 634

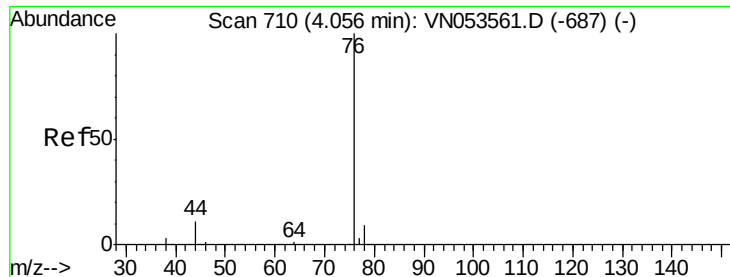
Delta R.T. -0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Tgt Ion:	43	Resp:	569109
Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.1	40.7





#17

Carbon Disulfide

Concen: 45.866 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 1156739

Ion Ratio Lower Upper

76 100

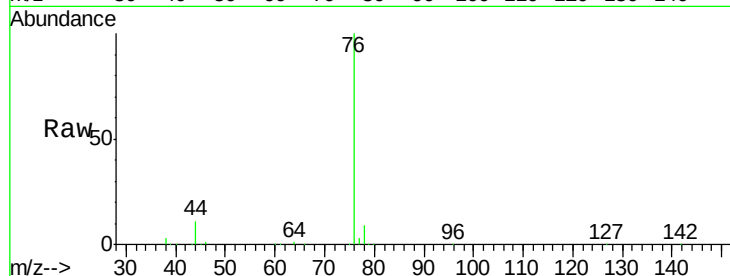
78 8.9 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

400000

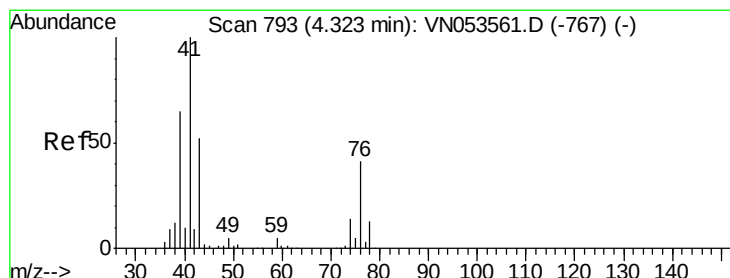
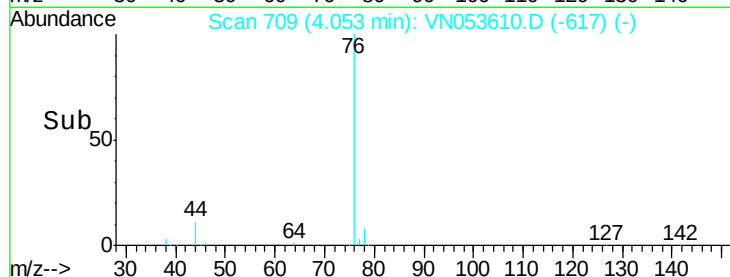
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 47.188 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053610.D

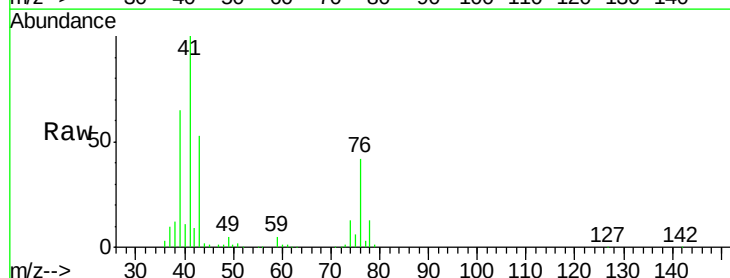
Acq: 5 Feb 2019 10:33

Tgt Ion: 43 Resp: 314530

Ion Ratio Lower Upper

43 100

74 25.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

120000

100000

80000

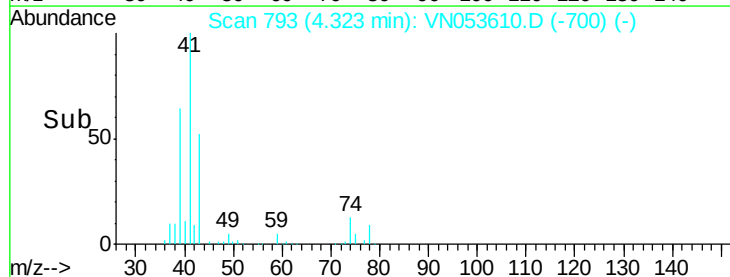
60000

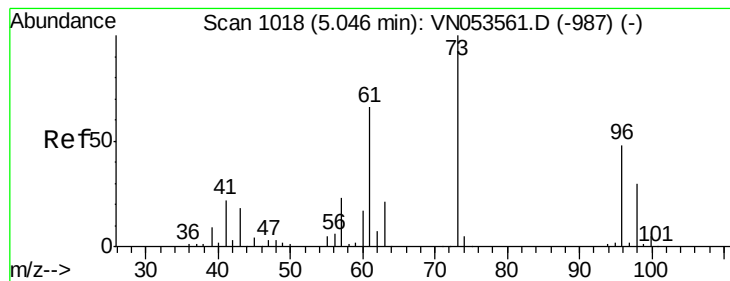
40000

20000

0

Time-->





#19

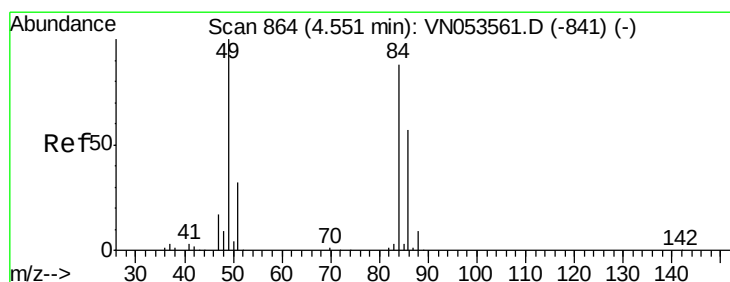
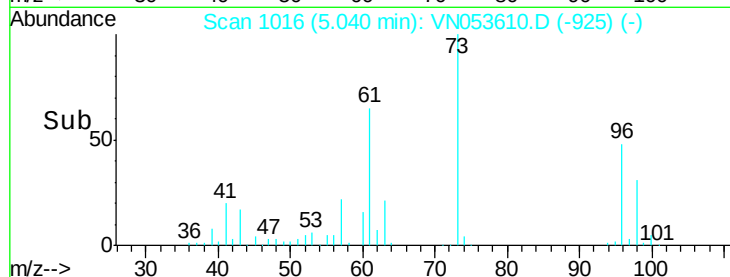
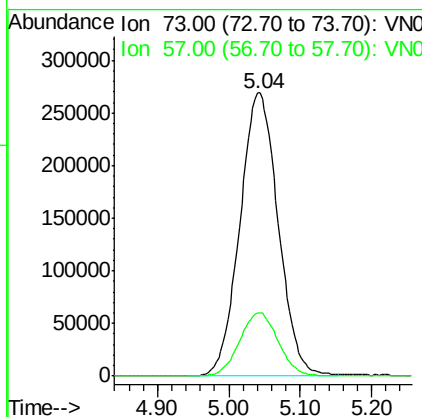
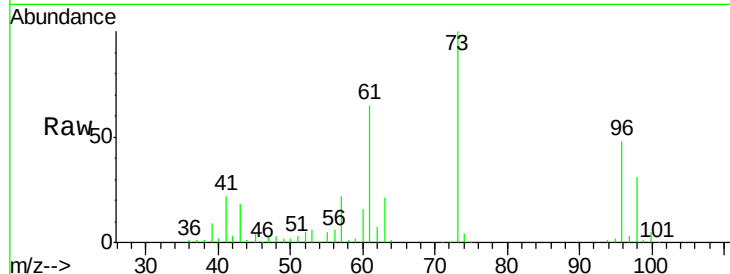
Methyl tert-butyl Ether
 Concen: 48.928 ug/l
 RT: 5.04 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: VN053610.D
 Acq: 5 Feb 2019 10:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 73 Resp: 1004628
 Ion Ratio Lower Upper
 73 100
 57 22.3 18.3 27.5

Manual Integrations
 APPROVED

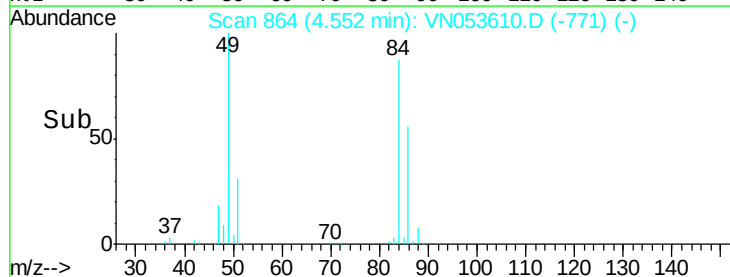
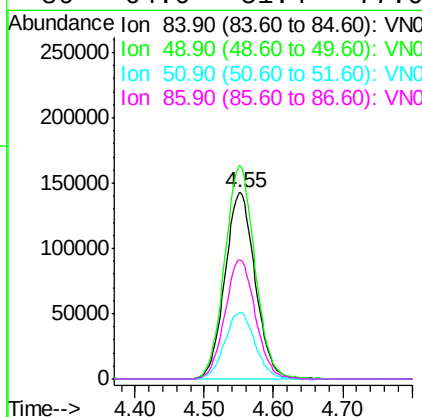
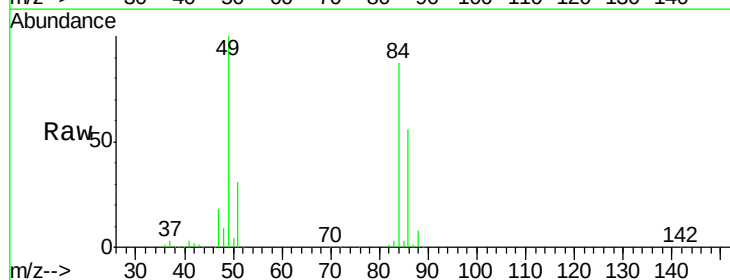
MMDadoda
 2/6/2019 12:46:49 PM

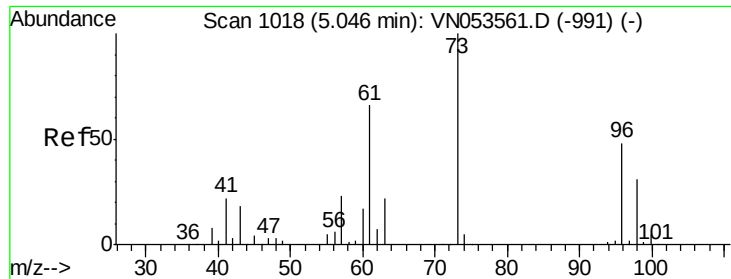


#20

Methylene Chloride
 Concen: 46.140 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VN053610.D
 Acq: 5 Feb 2019 10:33

Tgt Ion: 84 Resp: 435676
 Ion Ratio Lower Upper
 84 100
 49 114.2 94.3 141.5
 51 35.7 29.4 44.2
 86 64.0 51.4 77.0





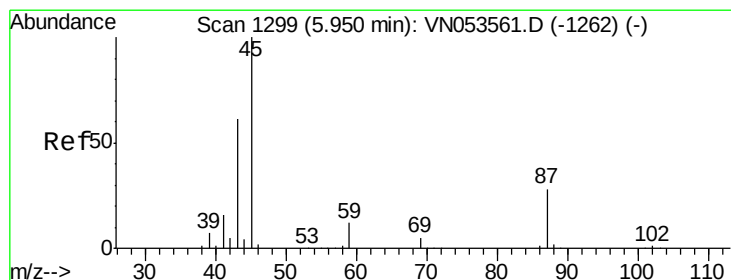
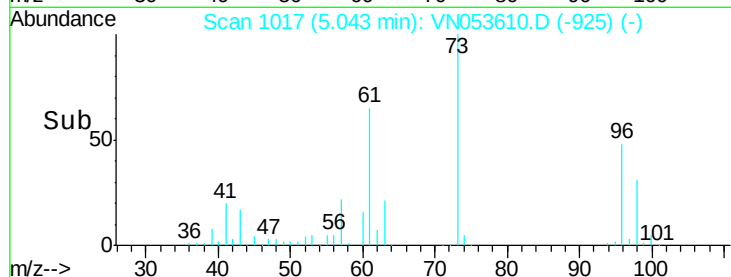
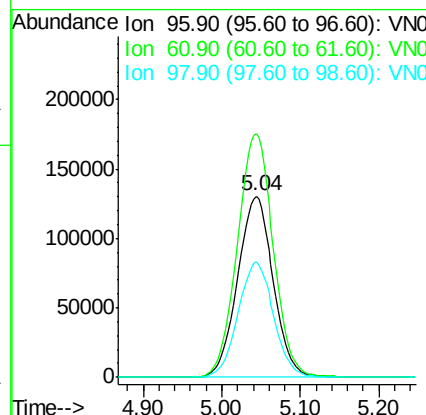
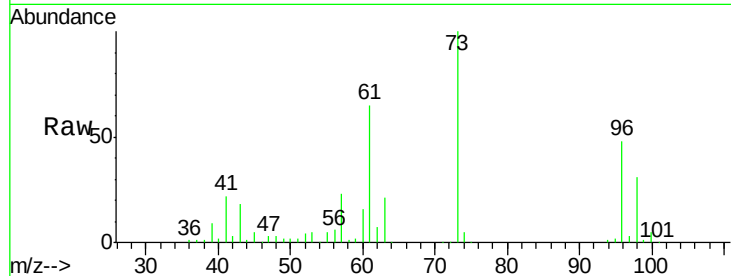
#21
trans-1,2-Dichloroethene
Concen: 47.181 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.6	110.1	165.1
98	63.6	50.0	75.0

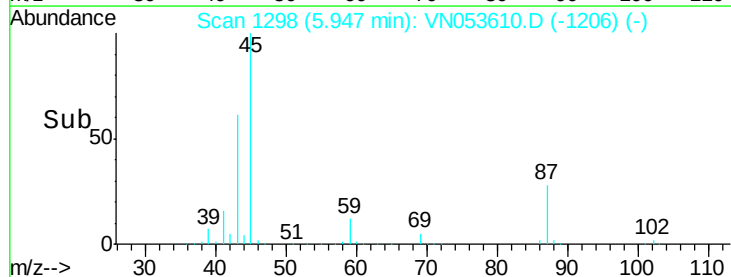
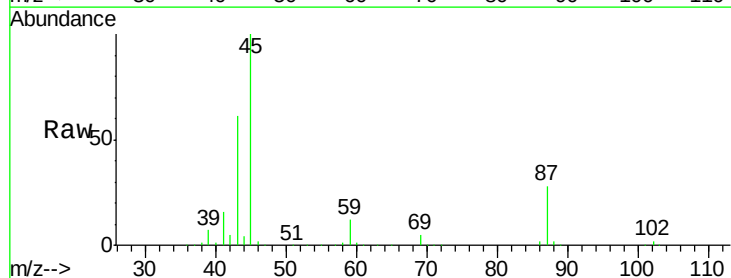
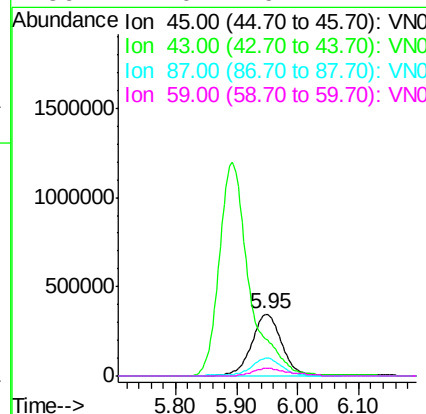
Manual Integrations
APPROVED

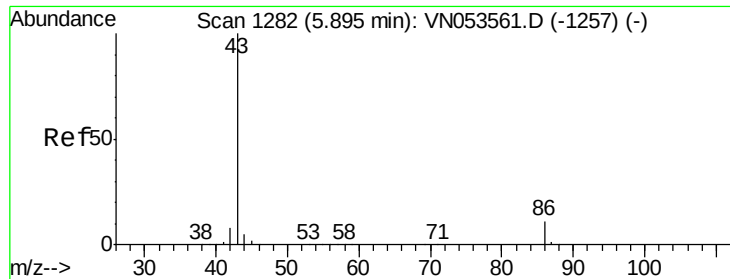
MMDadoda
2/6/2019 12:46:49 PM



#22
Diisopropyl ether
Concen: 50.363 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.6	44.2	66.4
87	27.9	22.7	34.1
59	12.0	9.4	14.2





#23

Vinyl Acetate

Concen: 249.918 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4131291

Ion Ratio Lower Upper

43 100

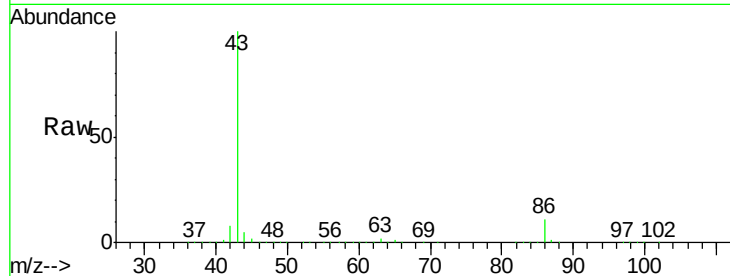
86 11.0 8.4 12.6

Manual Integrations

APPROVED

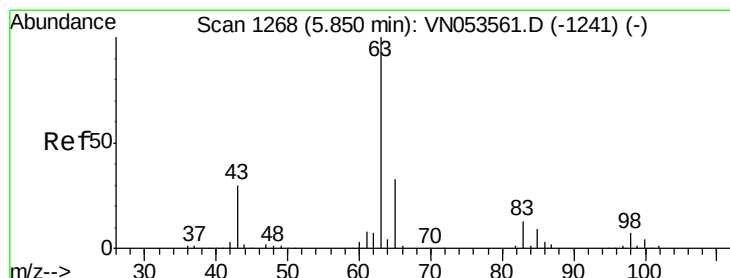
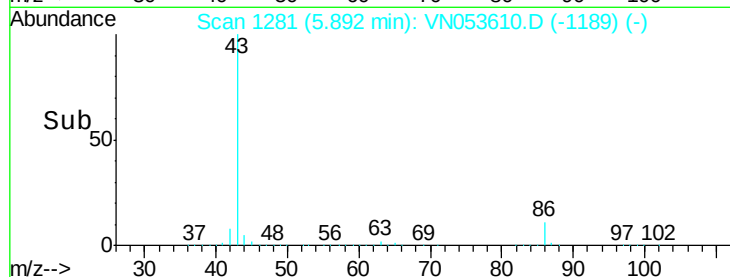
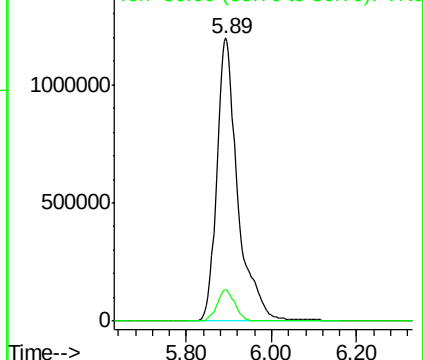
MMDadoda

2/6/2019 12:46:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.669 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

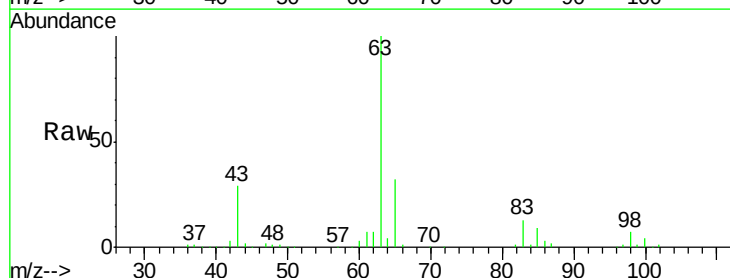
Tgt Ion: 63 Resp: 759756

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

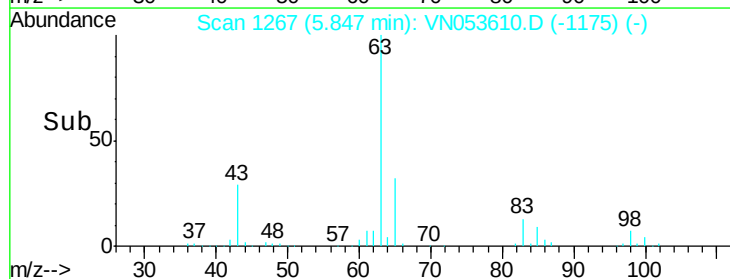
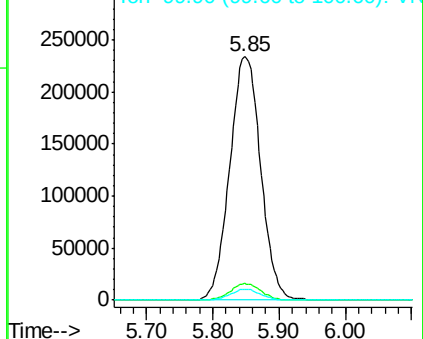
100 4.4 2.1 6.5

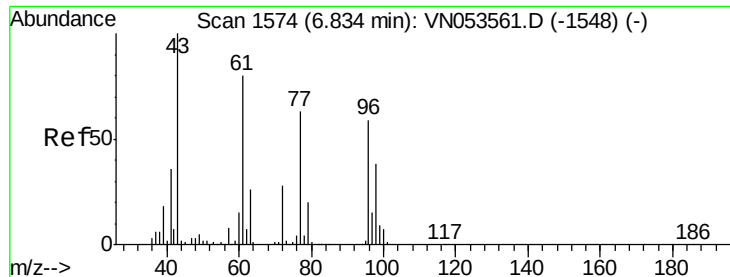


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 245.479 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 787977

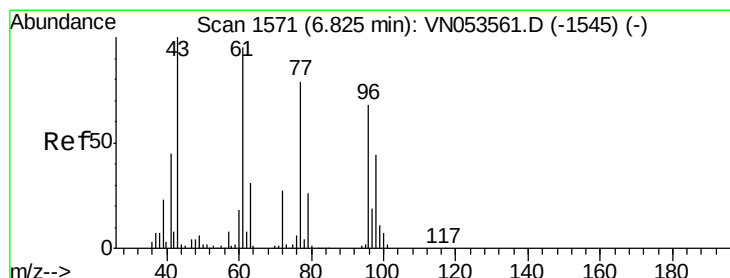
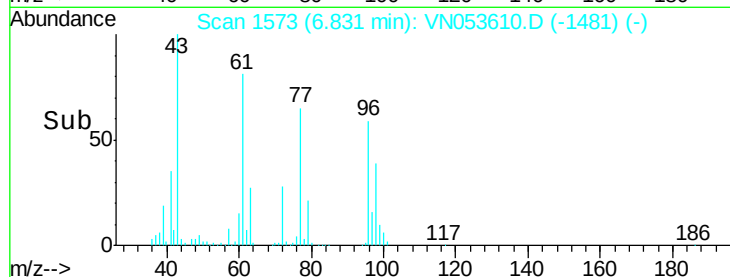
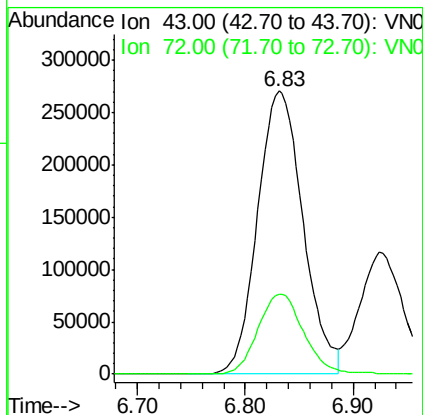
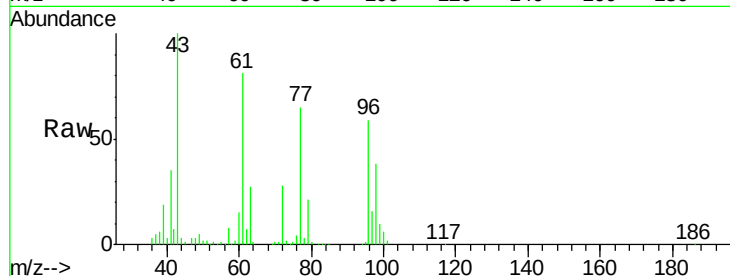
Ion Ratio Lower Upper

43 100

72 28.3 22.0 33.0

Manual Integrations
APPROVED

MMDadoda
2/6/2019 12:46:49 PM



#26

2,2-Dichloropropane

Concen: 48.663 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053610.D

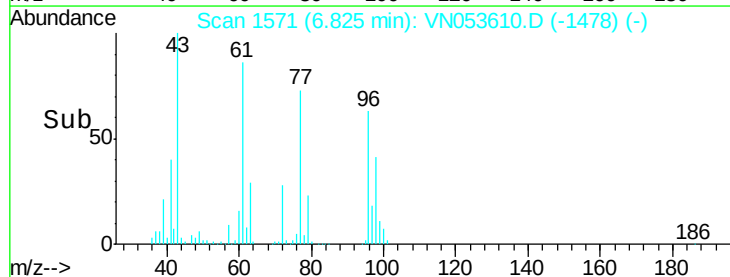
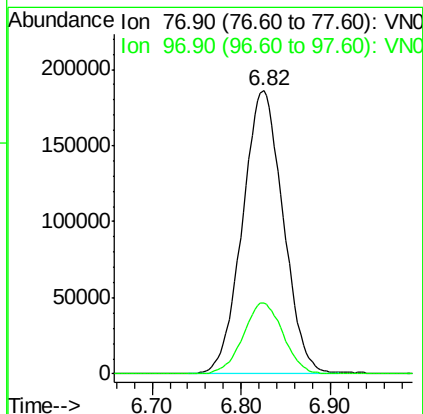
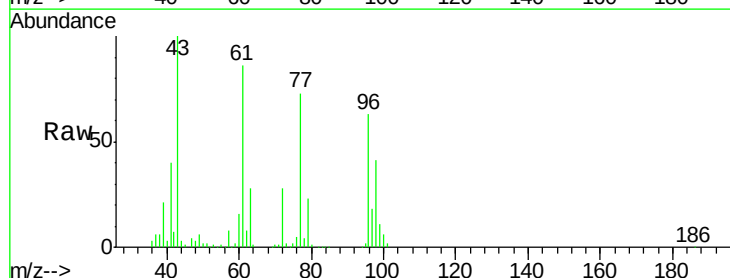
Acq: 5 Feb 2019 10:33

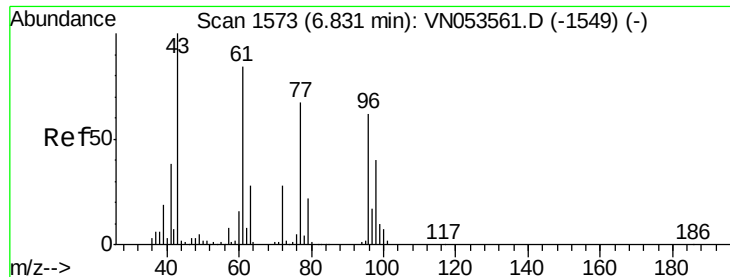
Tgt Ion: 77 Resp: 592067

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 48.326 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

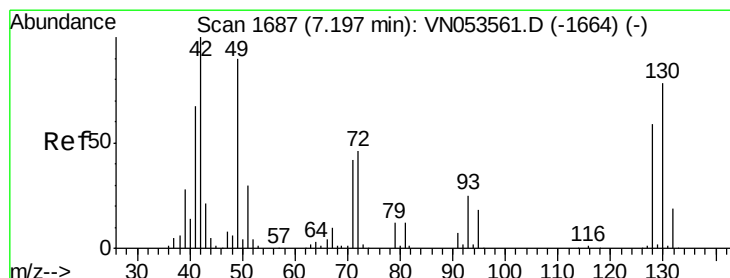
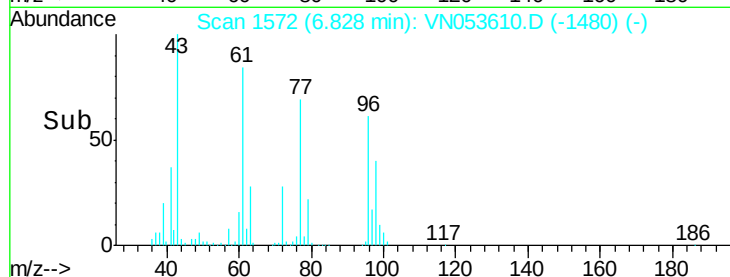
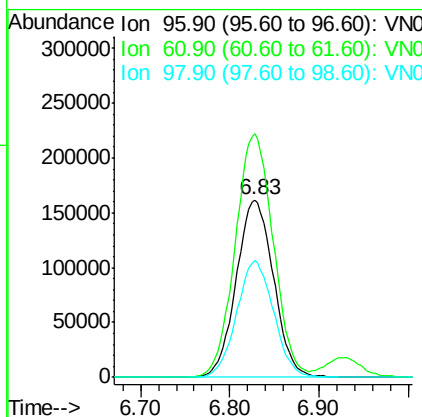
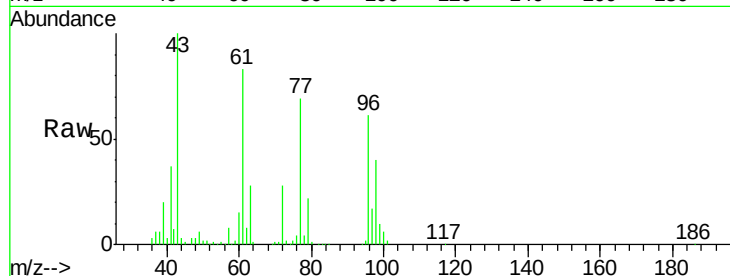
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	469571
Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	283.8
98	65.3	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 46.821 ug/l

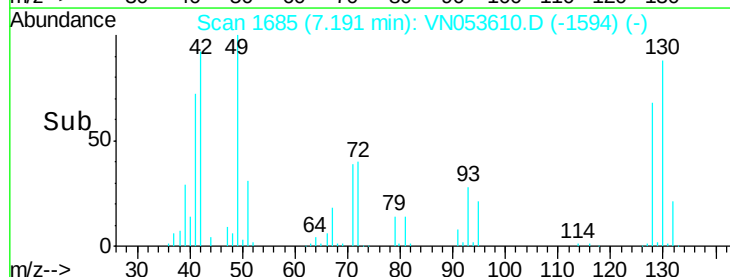
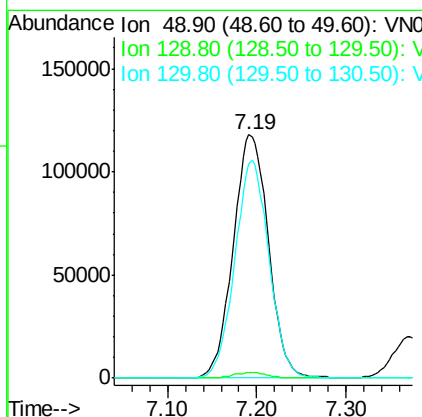
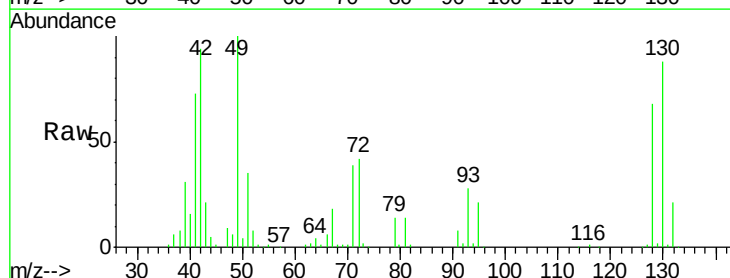
RT: 7.19 min Scan# 1685

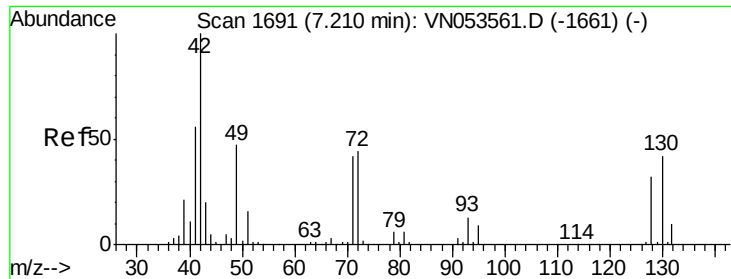
Delta R.T. -0.01 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Tgt Ion:	49	Resp:	323836
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	86.9	66.3	99.5





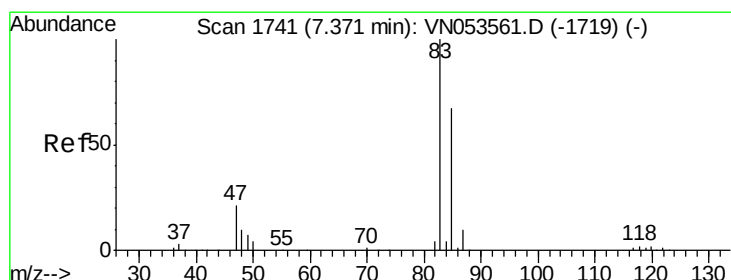
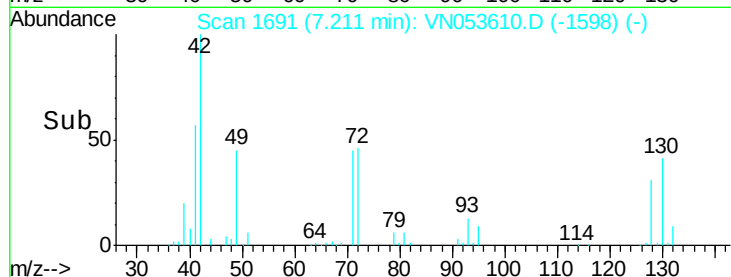
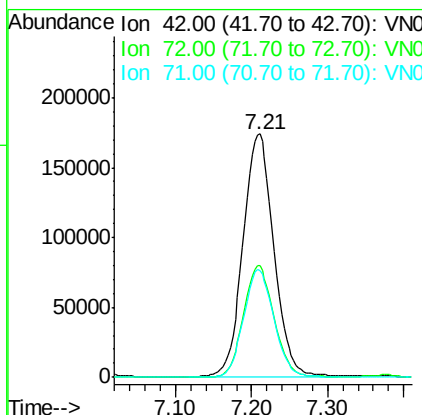
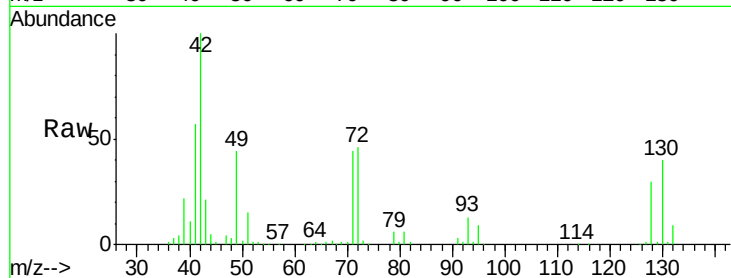
#29
Tetrahydrofuran
Concen: 239.311 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	35.2	52.8
71	43.4	33.0	49.4

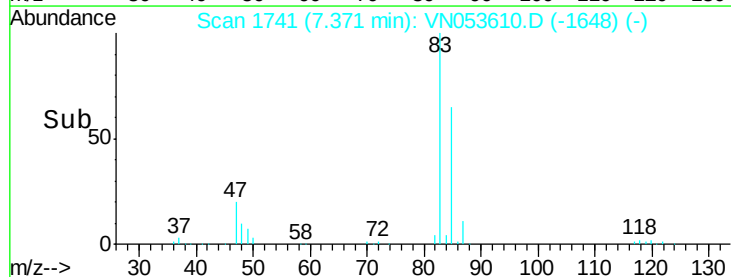
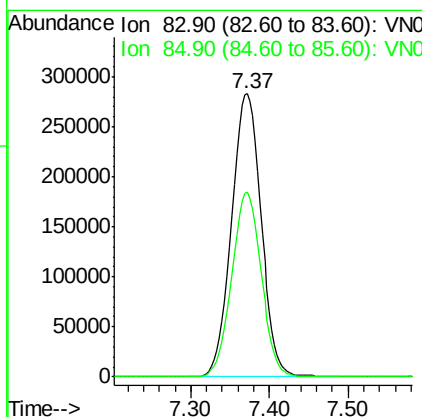
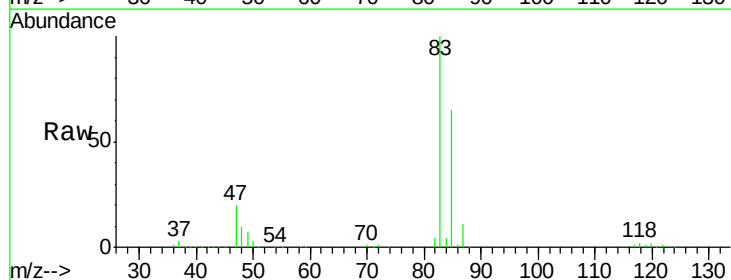
Manual Integrations
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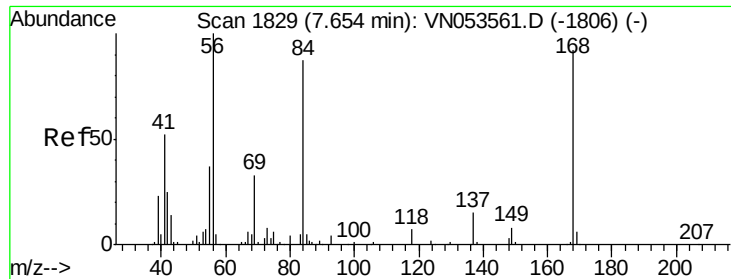
MMDadoda
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#30
Chloroform
Concen: 47.141 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.2





#31

Cyclohexane

Concen: 47.742 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

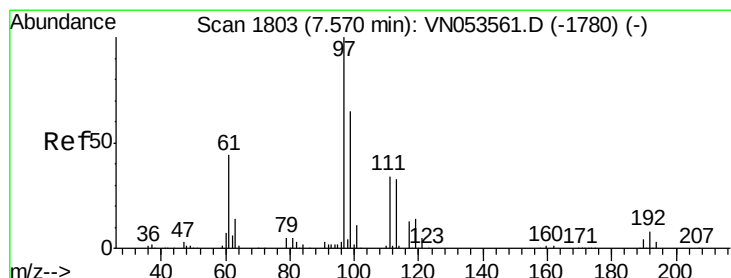
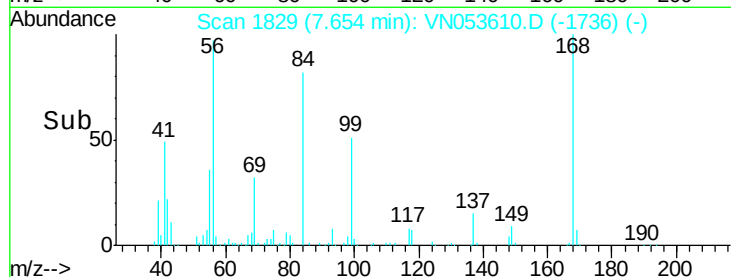
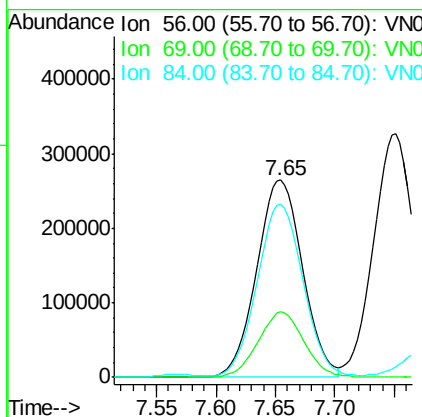
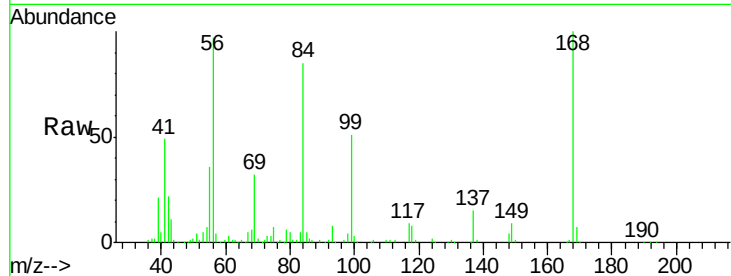
ClientSampled :

VSTDCCC050

Tot Ion	56	Resp	708555
Ion Ratio	Lower	Upper	
56	100		
69	33.1	26.4	39.6
84	86.3	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.311 ug/l

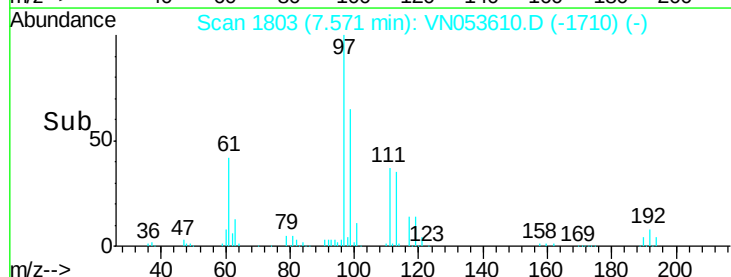
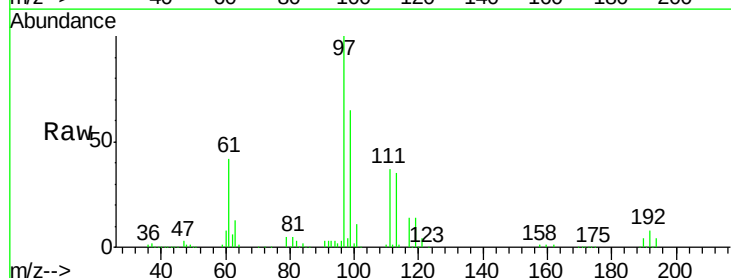
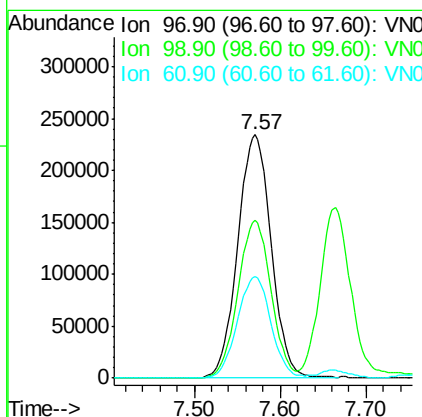
RT: 7.57 min Scan# 1803

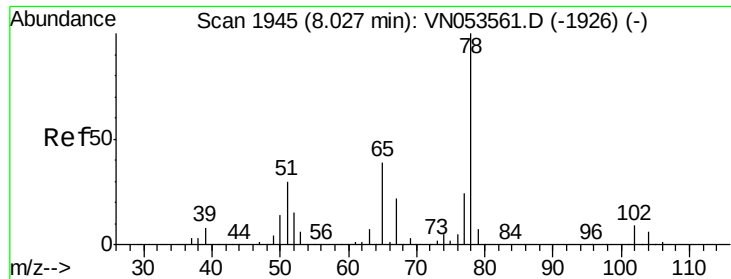
Delta R.T. 0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Tgt Ion	97	Resp	635207
Ion Ratio	Lower	Upper	
97	100		
99	64.0	52.0	78.0
61	41.8	34.4	51.6





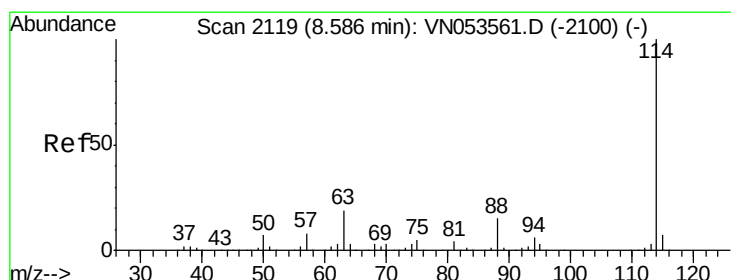
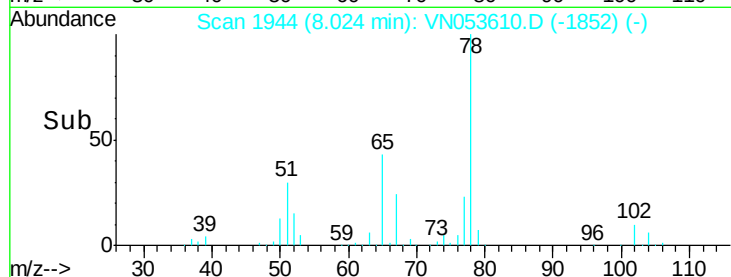
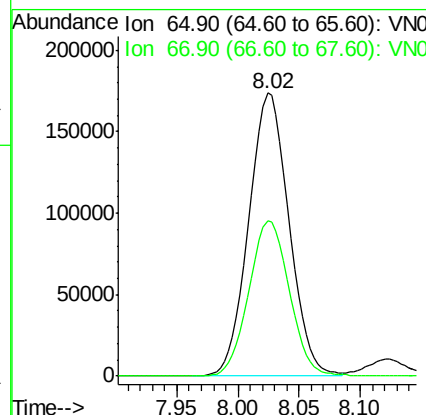
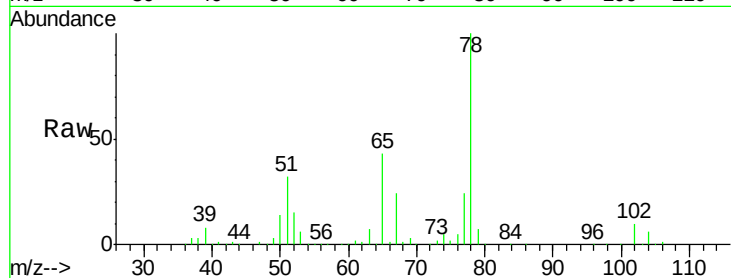
#33
 1,2-Dichloroethane-d4
 Concen: 48.311 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053610.D
 Acq: 5 Feb 2019 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	397047		
67	55.3	0.0	111.2	

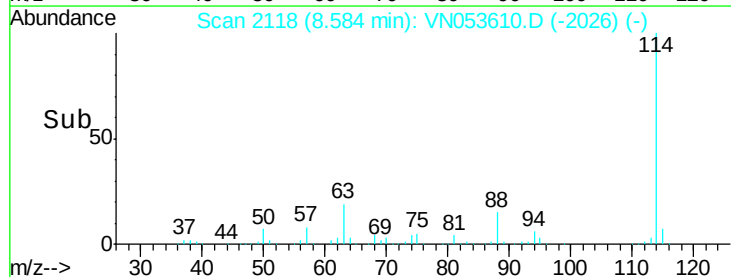
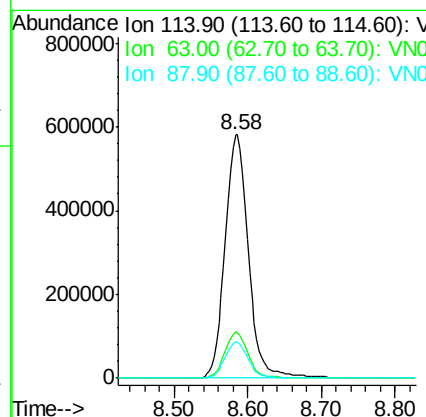
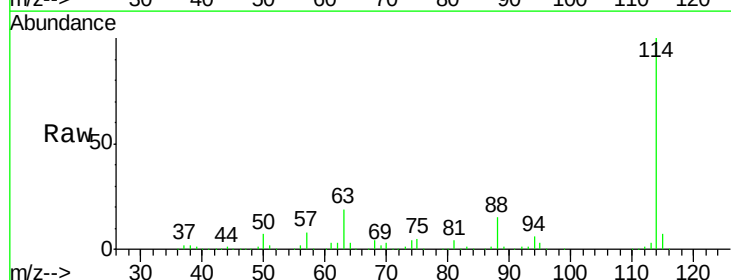
Manual Integrations
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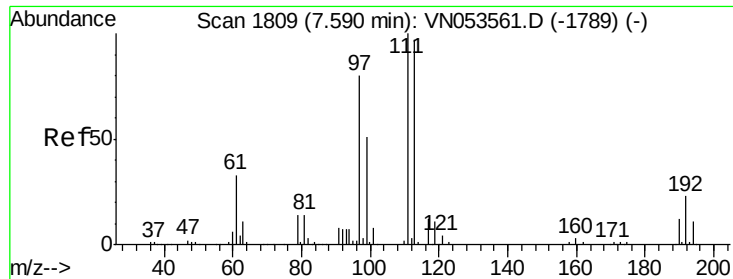
MMDadoda
 2/6/2019 12:46:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053610.D
 Acq: 5 Feb 2019 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1279983		
63	19.0	0.0	38.6	
88	15.0	0.0	30.4	





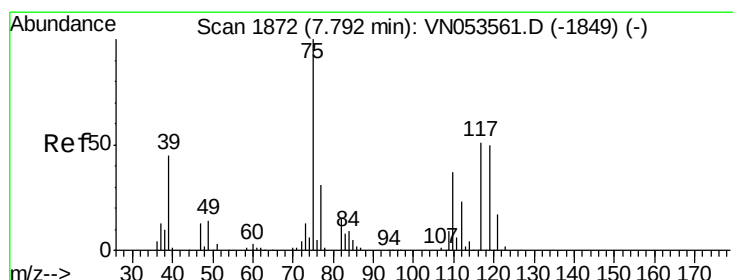
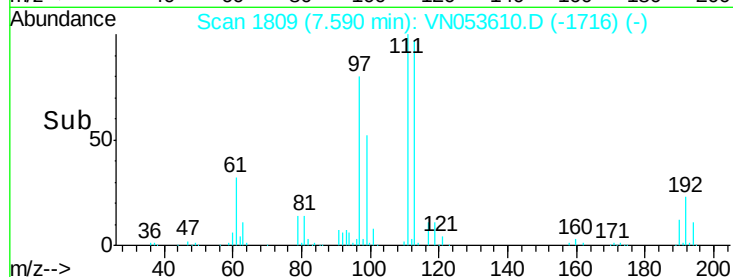
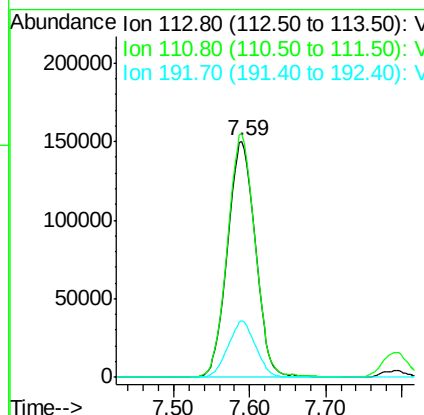
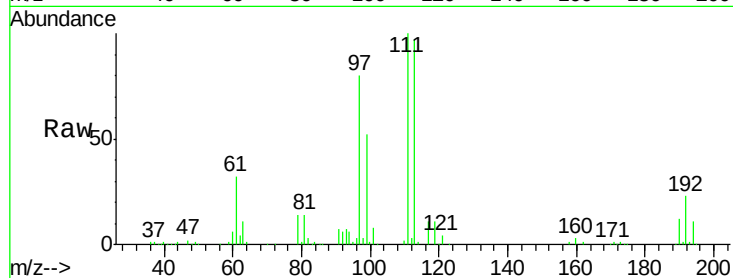
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053610.D
 Acq: 5 Feb 2019 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	81.1	121.7	
192	23.4	18.2	27.2	

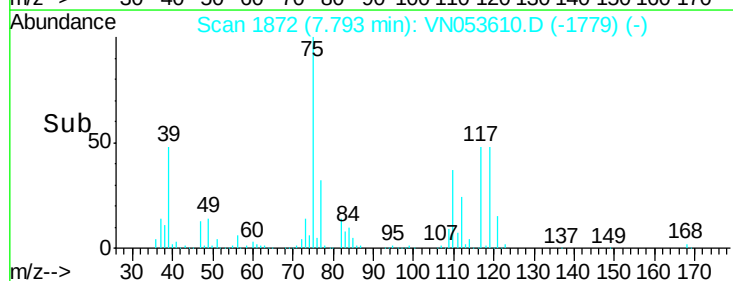
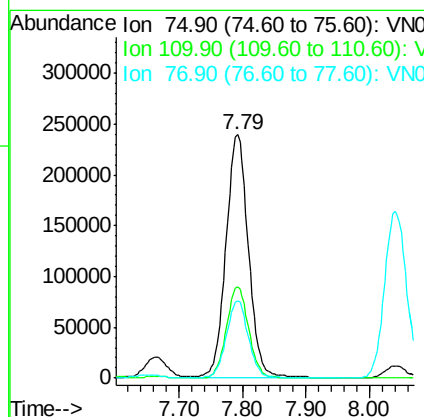
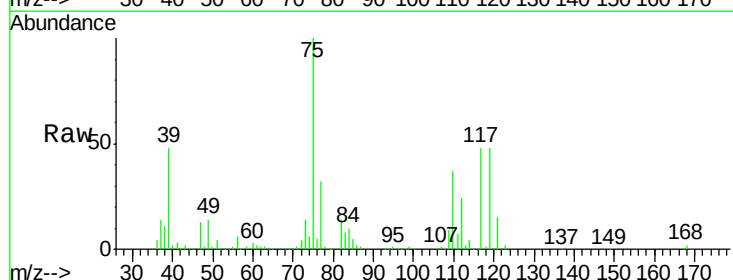
Manual Integrations
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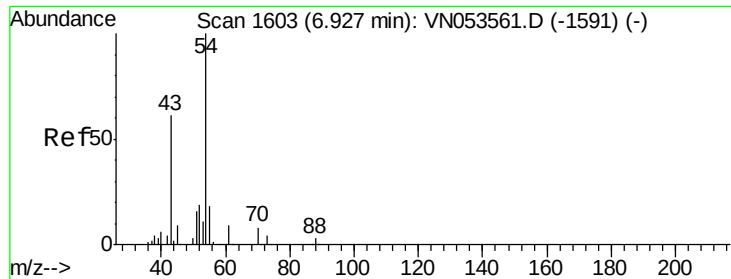
MMDadoda
 2/6/2019 12:46:49 PM



#36
 1,1-Dichloropropene
 Concen: 51.044 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053610.D
 Acq: 5 Feb 2019 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.2	18.1	54.3	
77	31.4	25.1	37.7	





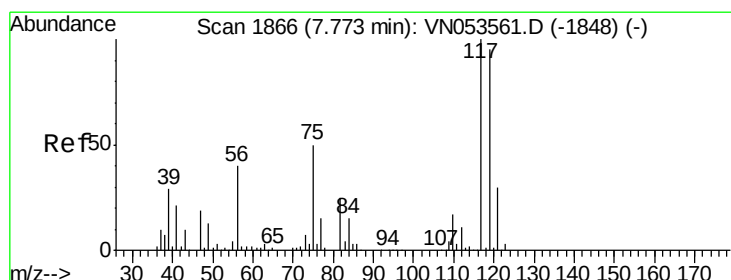
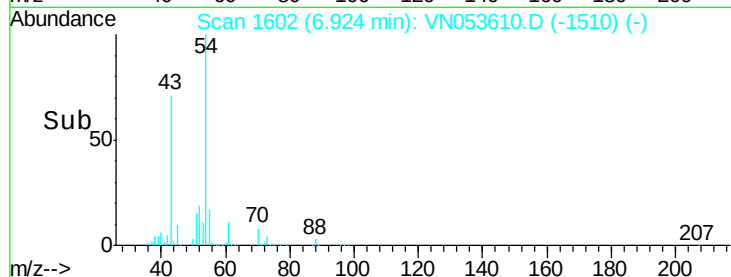
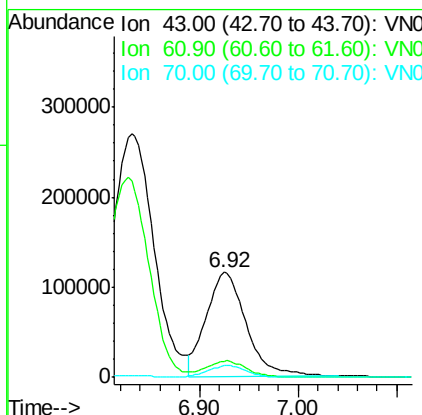
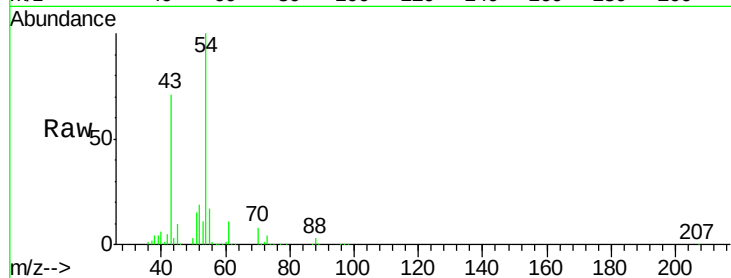
#37
Ethyl Acetate
Concen: 51.019 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	15.1	11.8	17.6	
70	11.2	8.6	12.8	

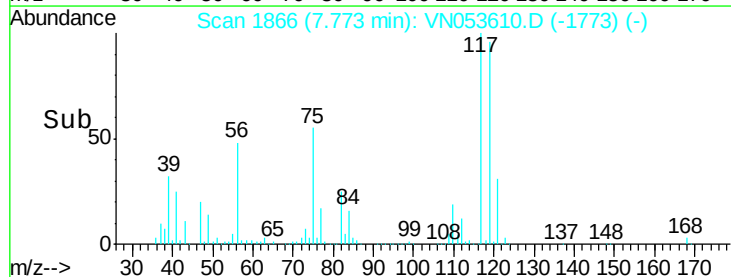
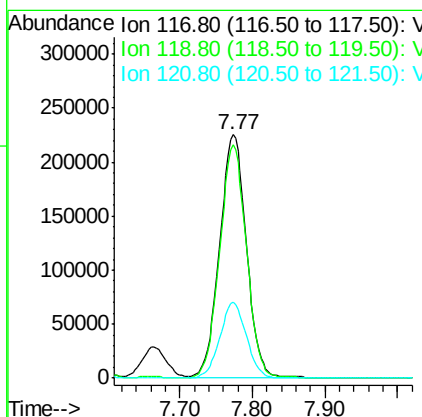
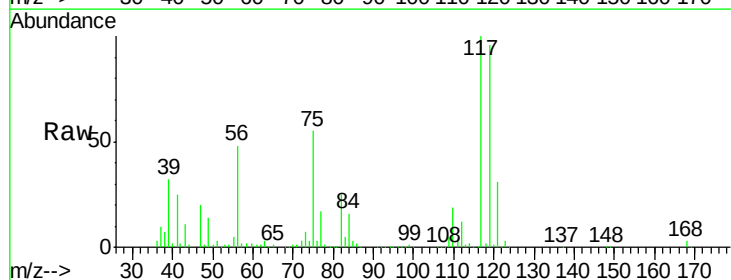
Manual Integrations
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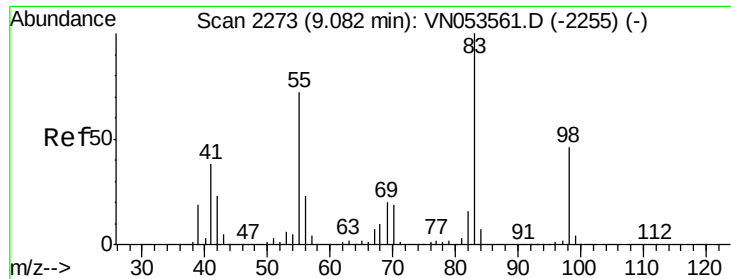
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#38
Carbon Tetrachloride
Concen: 49.665 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	95.9	77.2	115.8	
121	31.1	24.6	37.0	





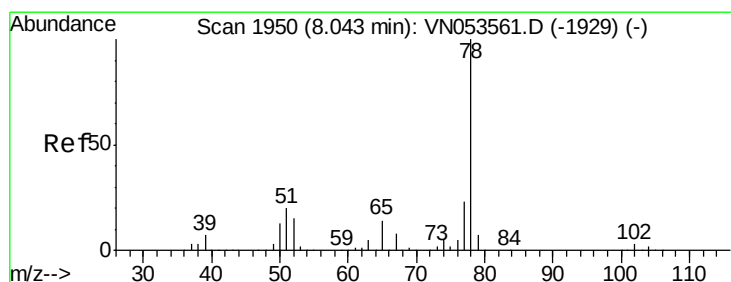
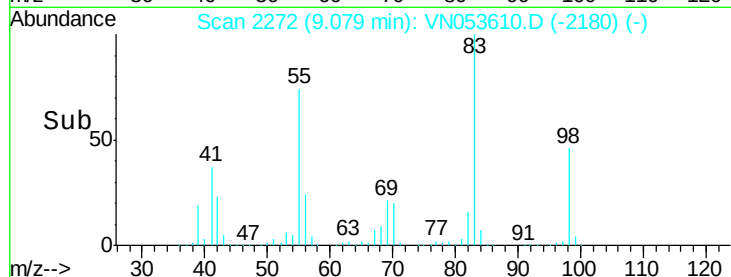
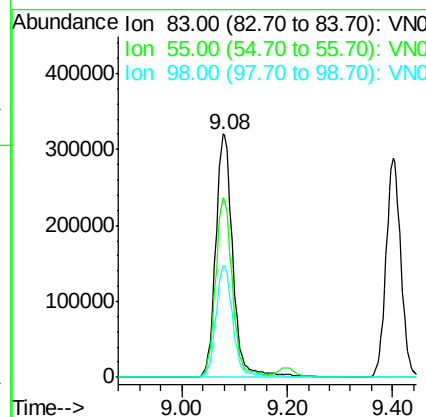
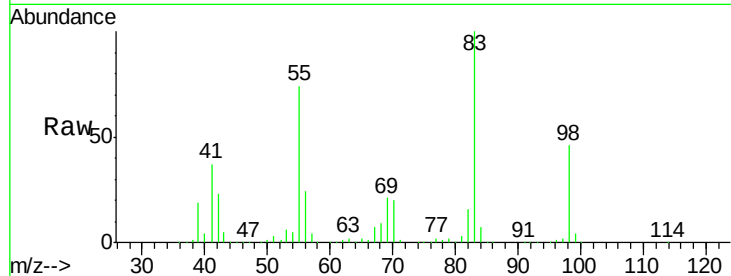
#39
Methylvlcyclohexane
Concen: 52.847 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	723422
Ion Ratio	100	Lower	Upper
83	100		
55	73.9	60.1	90.1
98	46.1	36.6	55.0

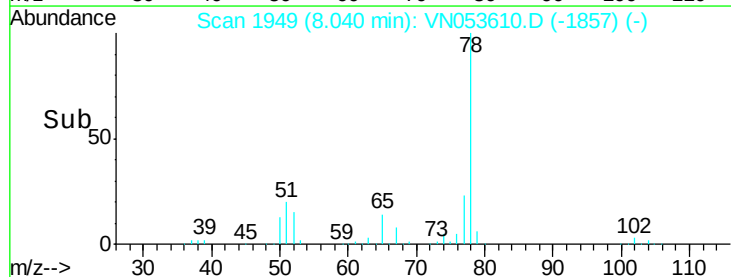
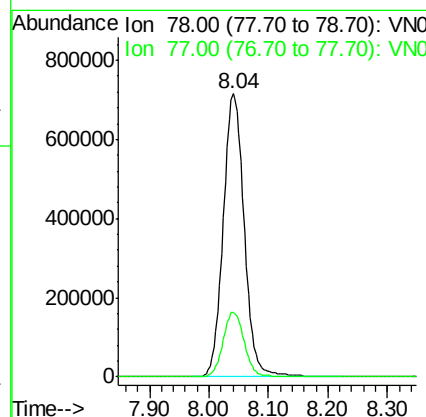
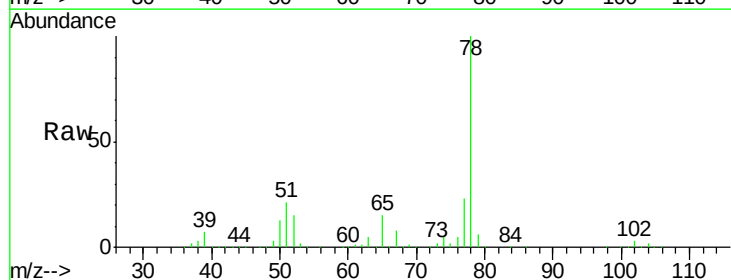
Manual Integrations
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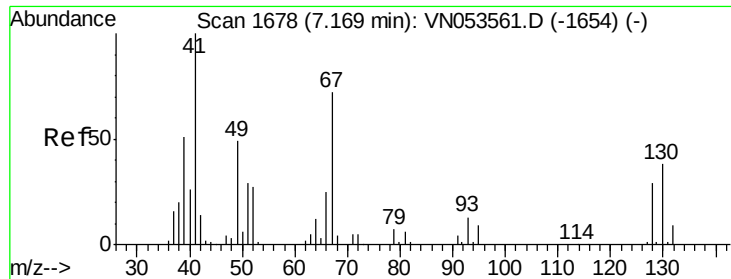
MMDadoda
2/6/2019 12:46:49 PM



#40
Benzene
Concen: 49.218 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Tgt Ion	78	Resp	1751231
Ion Ratio	100	Lower	Upper
78	100		
77	23.0	18.8	28.2





#41

Methacrylonitrile

Concen: 48.110 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 173274

Ion Ratio Lower Upper

41 100

39 67.5 46.8 70.2

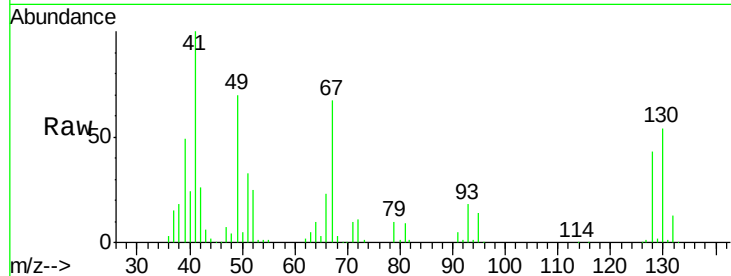
67 93.0 63.0 94.6

52 34.9 23.8 35.8

Manual Integrations
APPROVED

MMDadoda

2/6/2019 12:46:49 PM



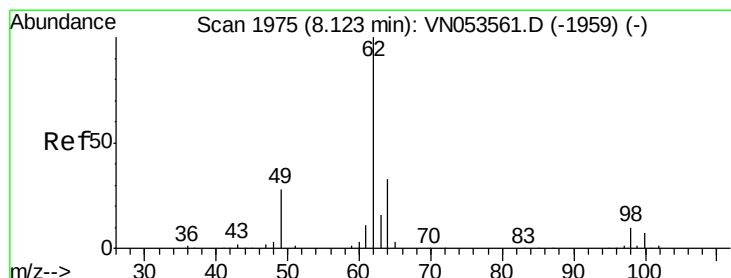
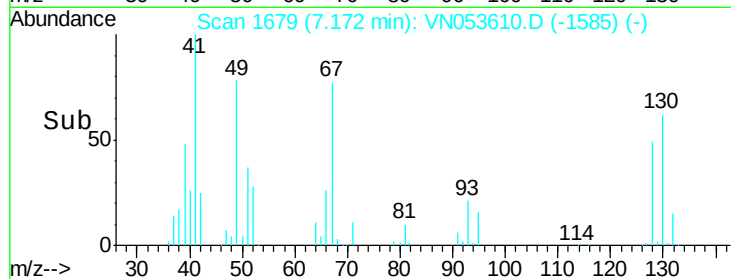
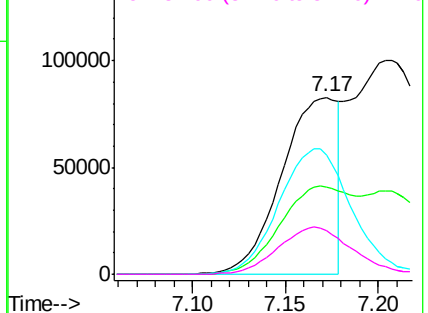
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 48.328 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN053610.D

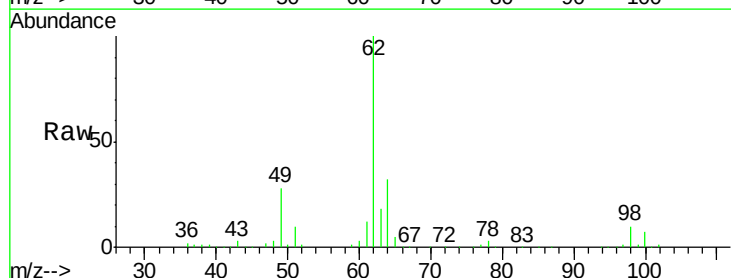
Acq: 5 Feb 2019 10:33

Tgt Ion: 62 Resp: 510576

Ion Ratio Lower Upper

62 100

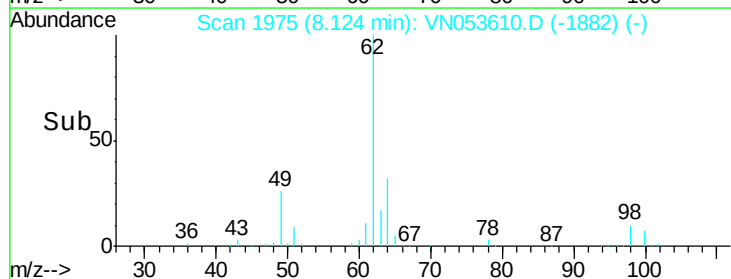
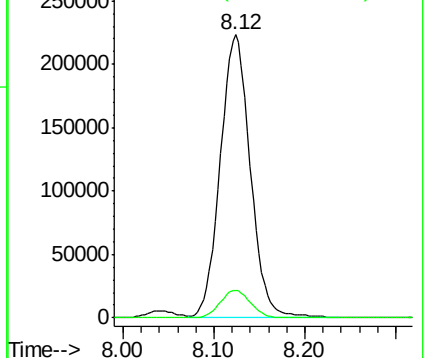
98 10.0 0.0 19.6

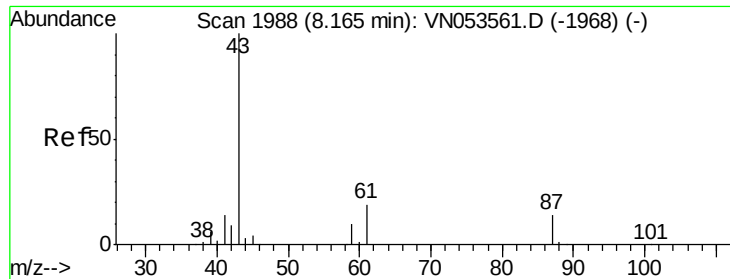


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 46.284 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

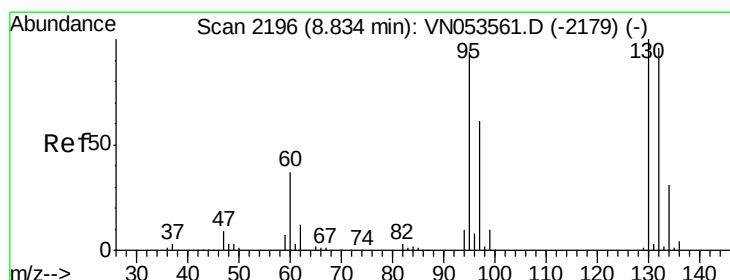
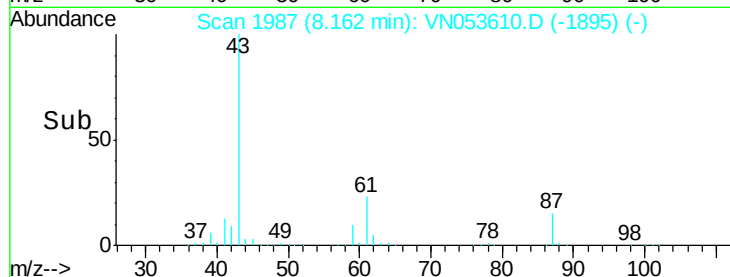
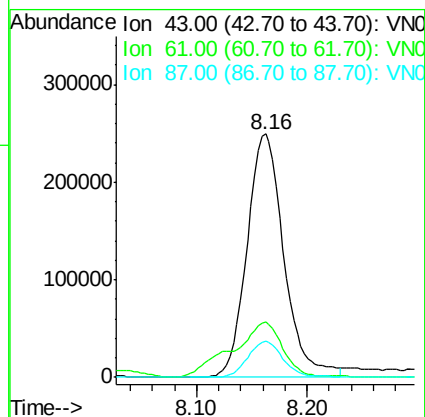
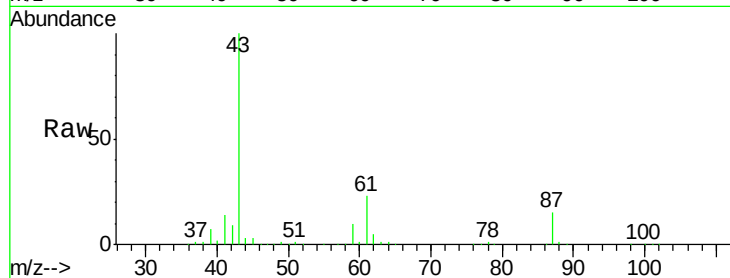
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	576009
Ion	Ratio	Lower	Upper
43	100		
61	31.0	23.9	35.9
87	14.4	11.0	16.6

Manual Integrations
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#44

Trichloroethene

Concen: 49.515 ug/l

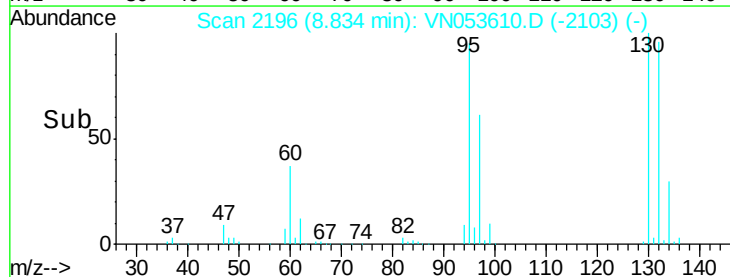
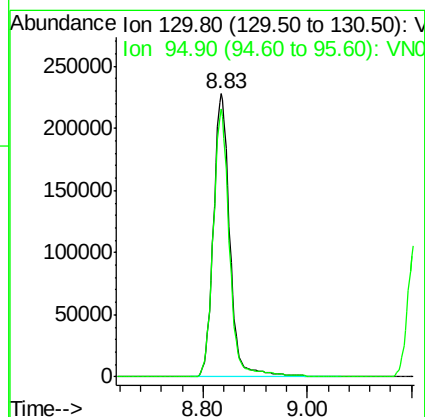
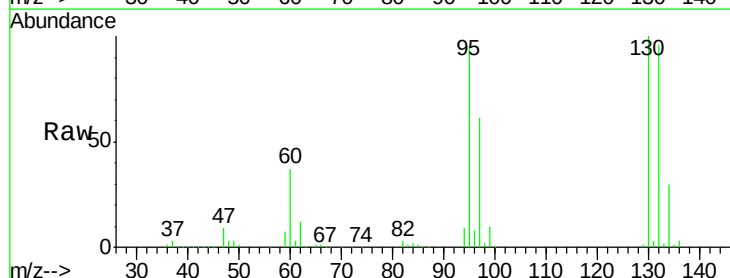
RT: 8.83 min Scan# 2196

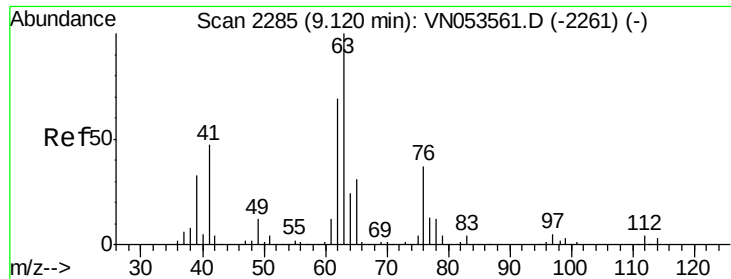
Delta R.T. 0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Tgt Ion:	130	Resp:	501571
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	191.4





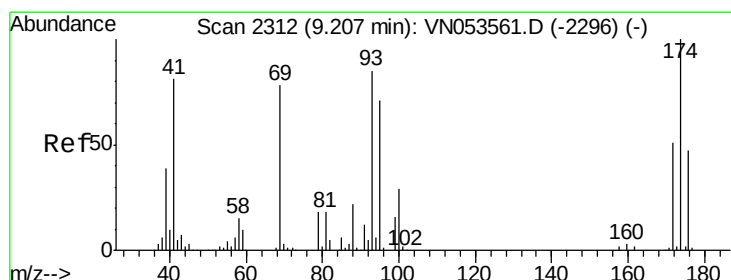
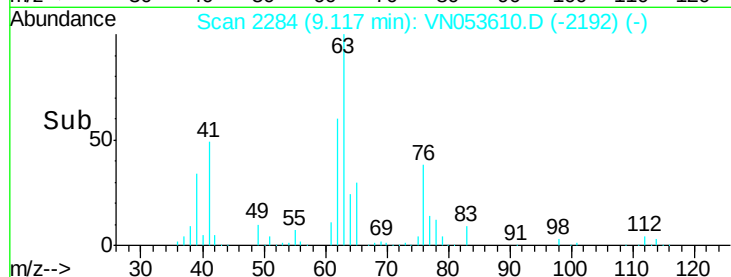
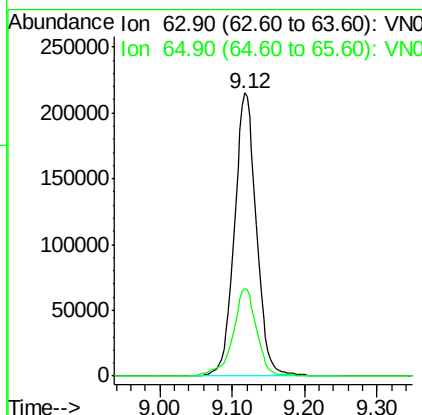
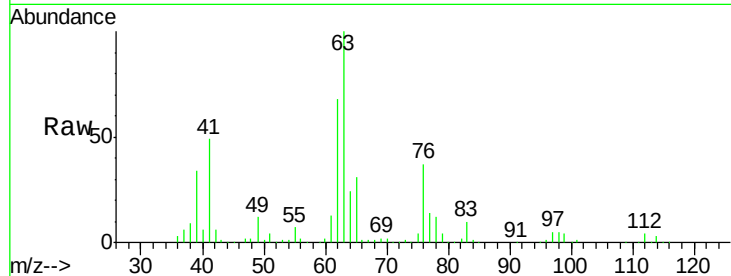
#45
 1,2-Dichloropropane
 Concen: 50.015 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053610.D
 Acq: 5 Feb 2019 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 455168
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.4

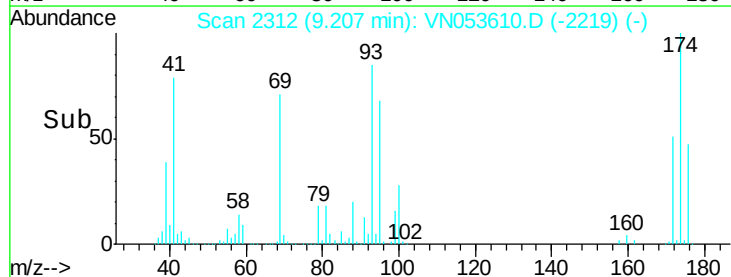
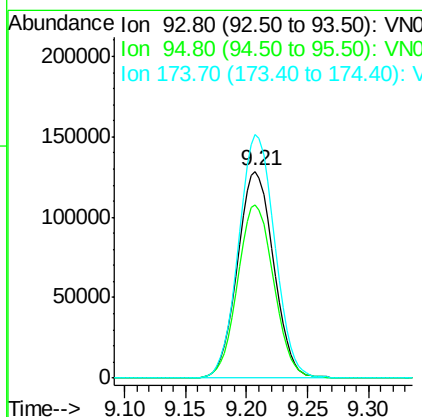
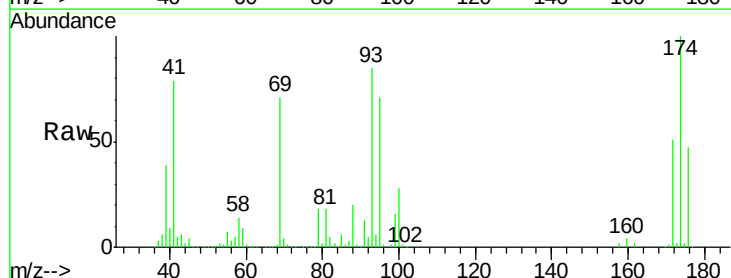
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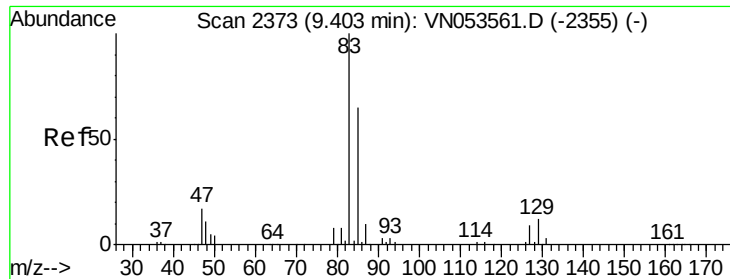
MMDadoda
 2/6/2019 12:46:49 PM



#46
 Dibromomethane
 Concen: 48.022 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053610.D
 Acq: 5 Feb 2019 10:33

Tgt Ion: 93 Resp: 263451
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.3 100.9
 174 118.0 91.0 136.4





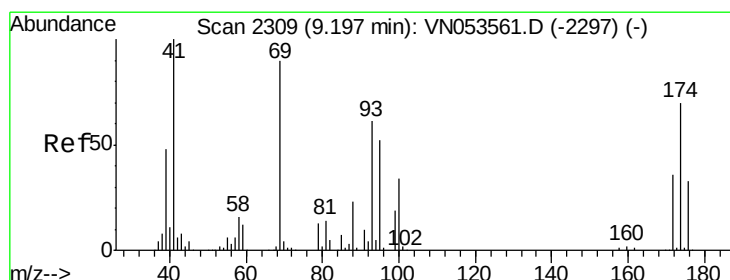
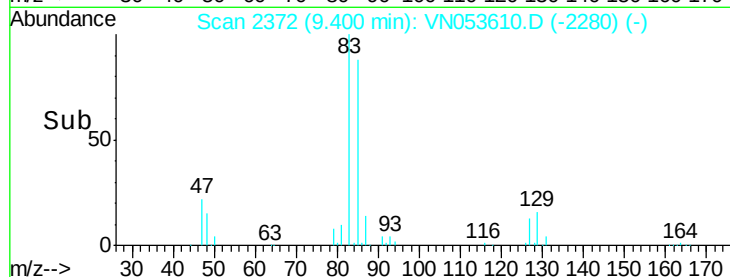
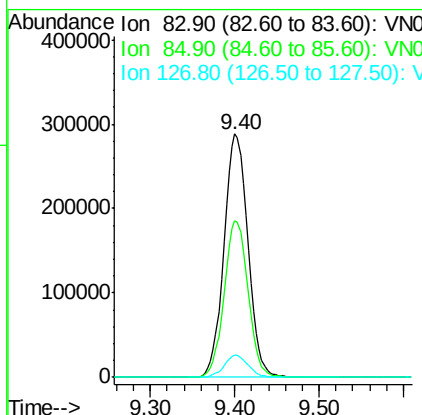
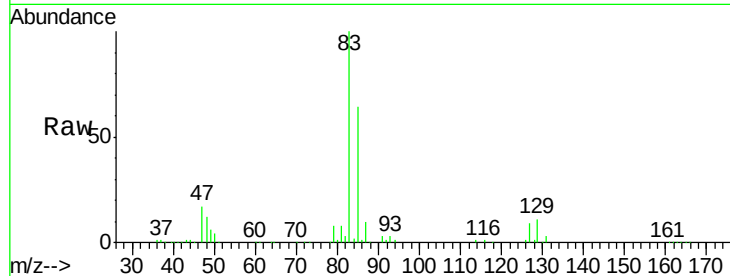
#47
Bromodichloromethane
Concen: 49.988 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	570186		
85	64.4		51.0	76.6
127	9.2		7.0	10.6

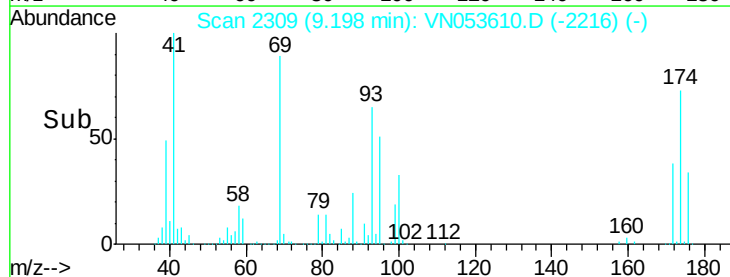
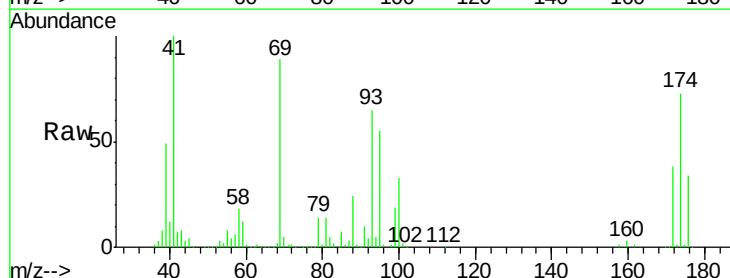
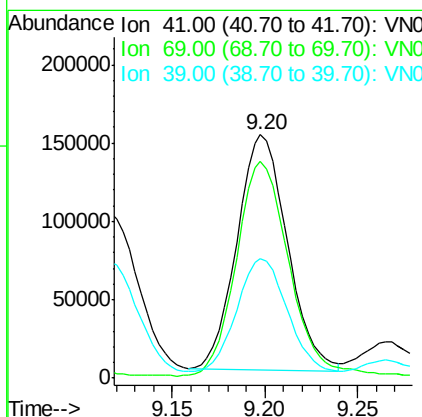
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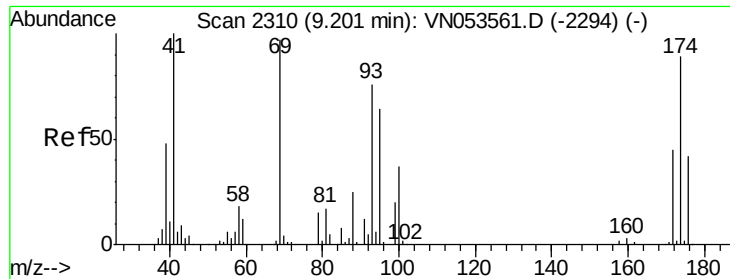
MMDadoda
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#48
Methyl methacrylate
Concen: 47.743 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	283618		
69	99.4		73.8	110.6
39	54.0		40.0	60.0





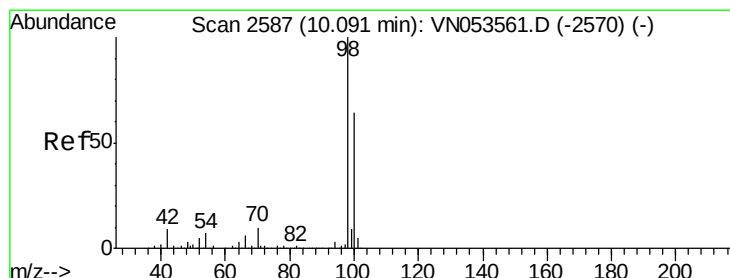
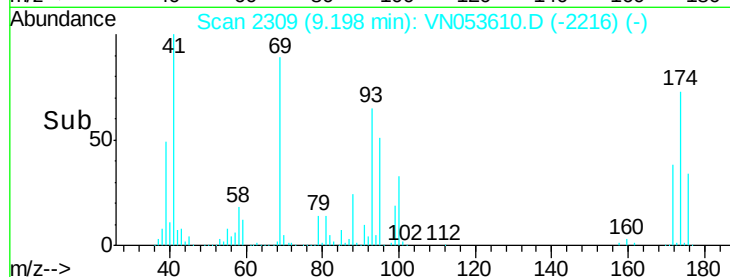
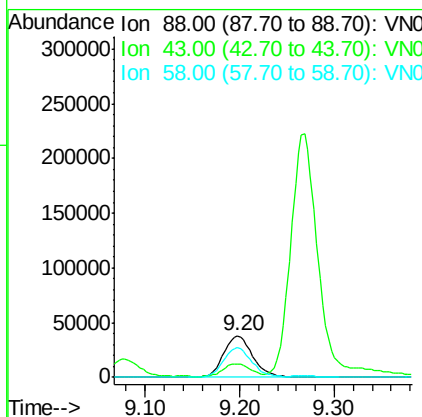
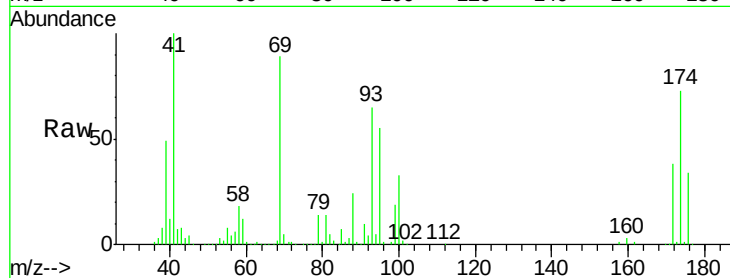
#49
1,4-Dioxane
Concen: 962.754 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.1	27.8	41.6
58	68.9	56.5	84.7

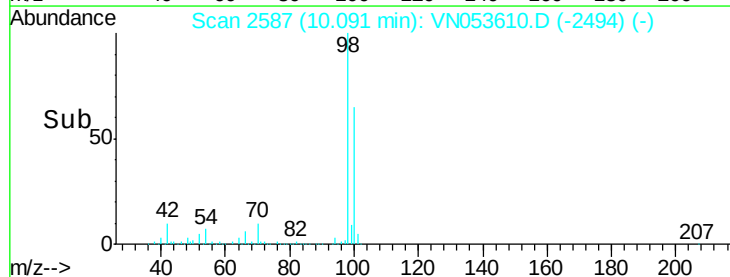
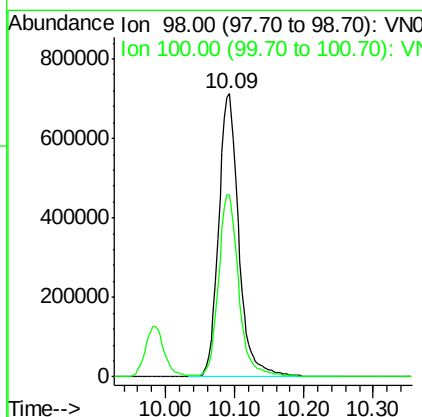
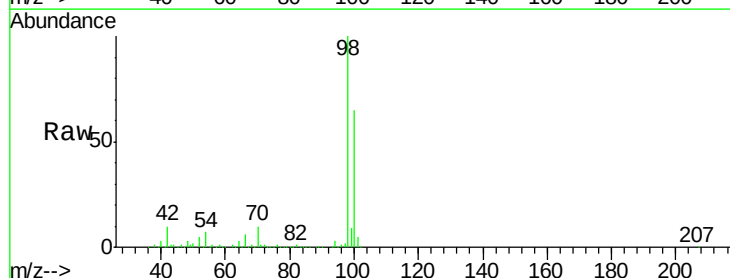
Manual Integrations
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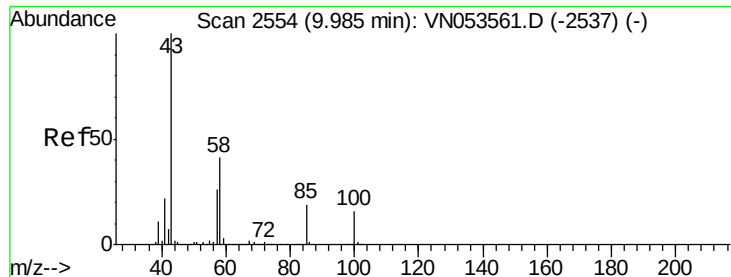
MMDadoda
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#50
Toluene-d8
Concen: 962.754 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 257.329 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1573703

Ion Ratio Lower Upper

43 100

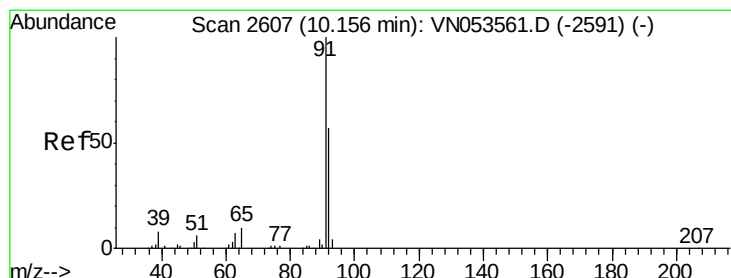
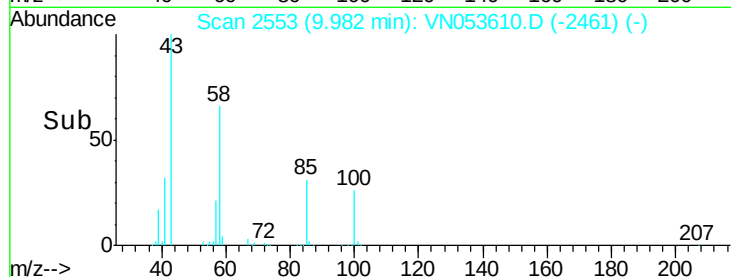
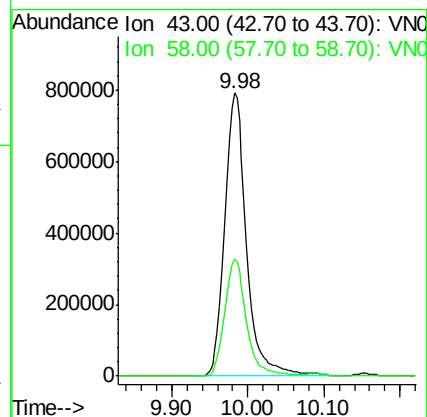
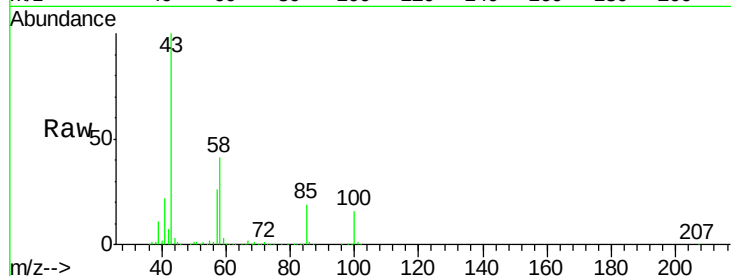
58 41.2 32.8 49.2

Manual Integrations

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#52

Toluene

Concen: 50.353 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053610.D

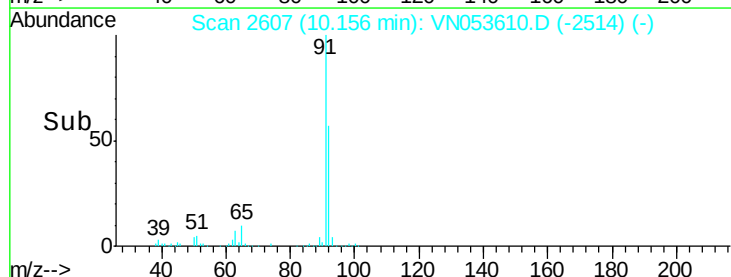
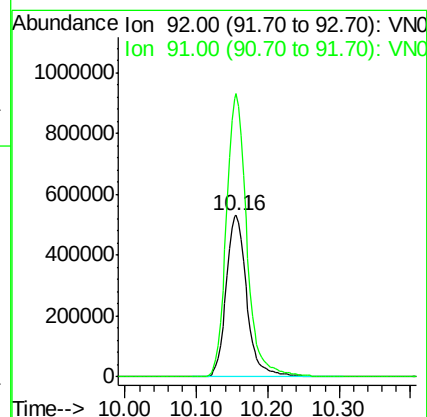
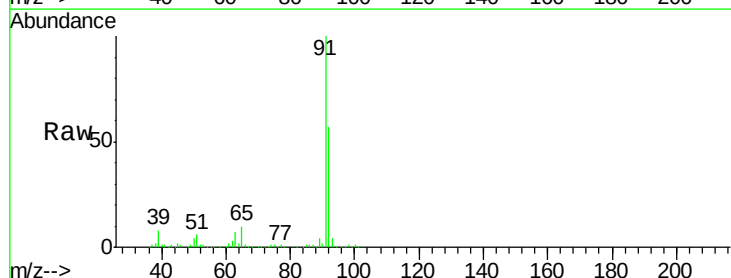
Acq: 5 Feb 2019 10:33

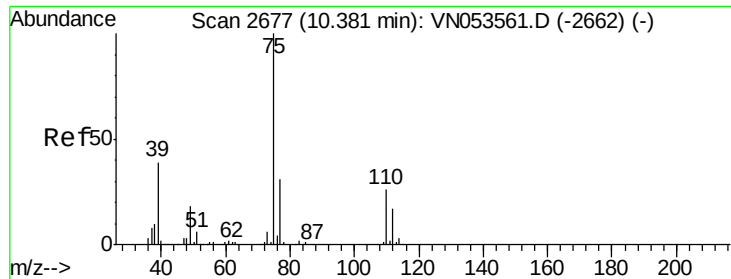
Tgt Ion: 92 Resp: 1063320

Ion Ratio Lower Upper

92 100

91 174.3 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 50.677 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 578828

Ion Ratio Lower Upper

75 100

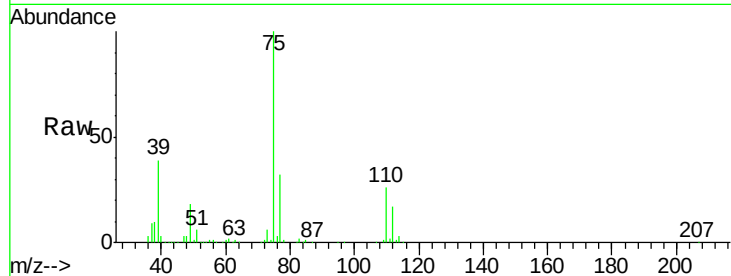
77 31.7 25.5 38.3

Manual Integrations

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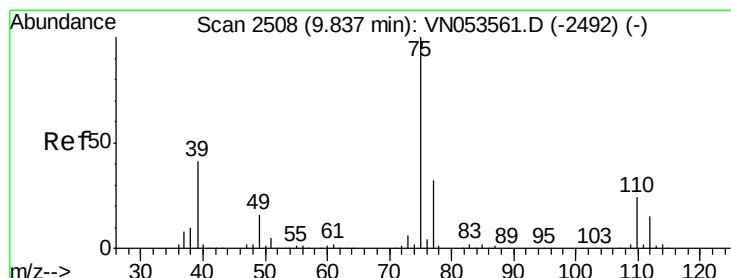
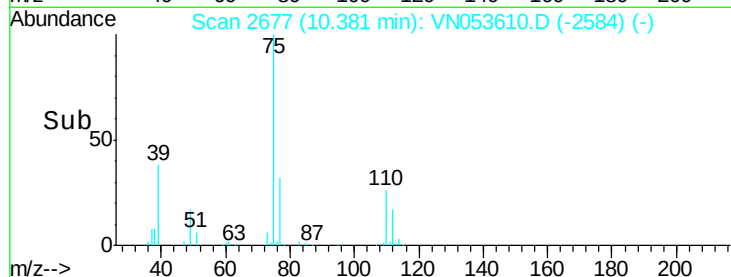
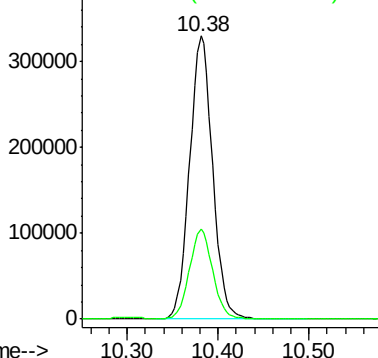
MMDadoda

2/6/2019 12:46:49 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 50.921 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

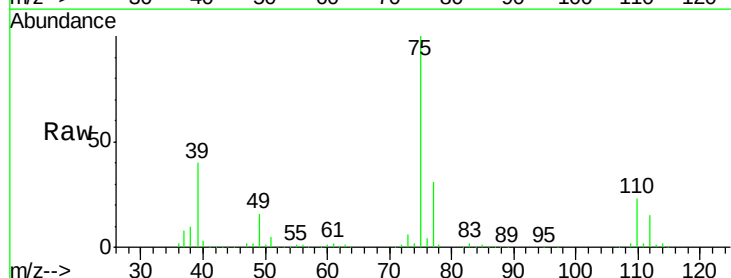
Tgt Ion: 75 Resp: 689213

Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.6

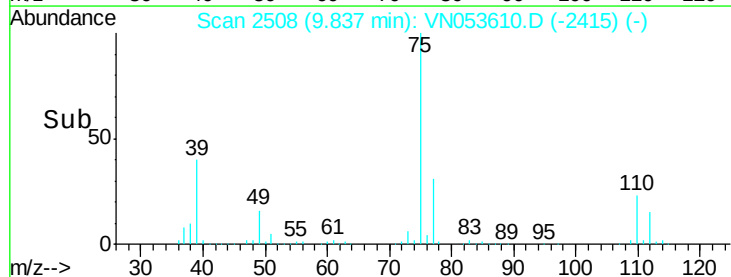
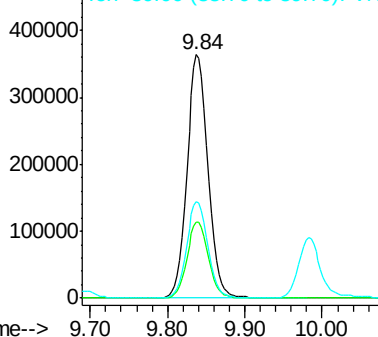
39 39.6 33.4 50.0

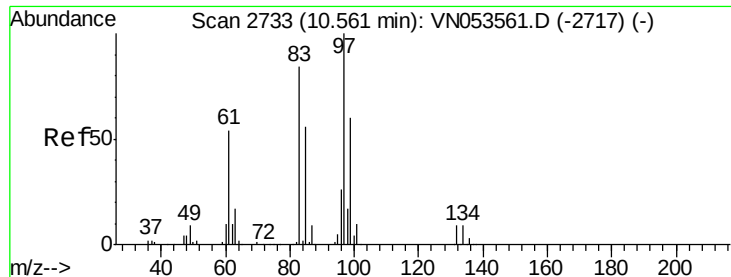


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





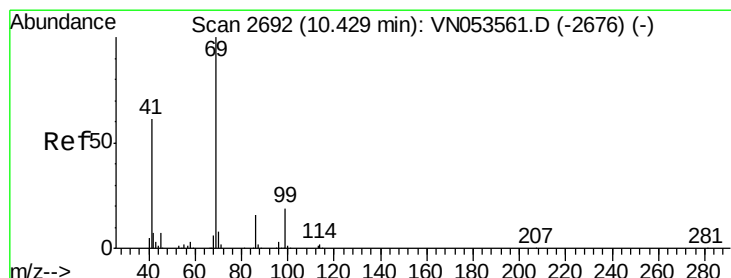
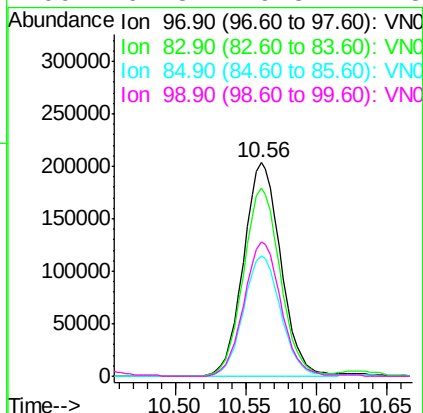
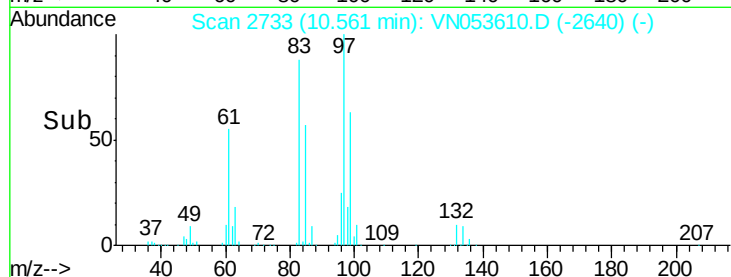
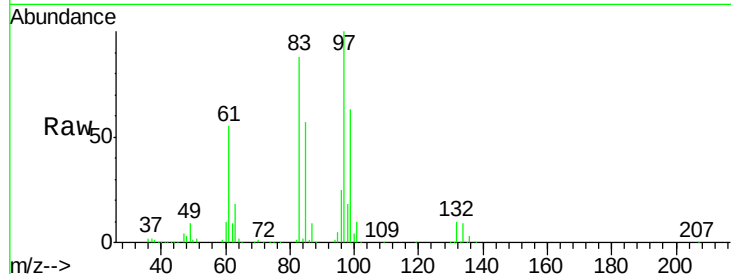
#55
 1,1,2-Trichloroethane
 Concen: 49.514 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053610.D
 Acq: 5 Feb 2019 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	376774
Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.1	105.1
85	56.5	45.4	68.0
99	62.8	49.8	74.8

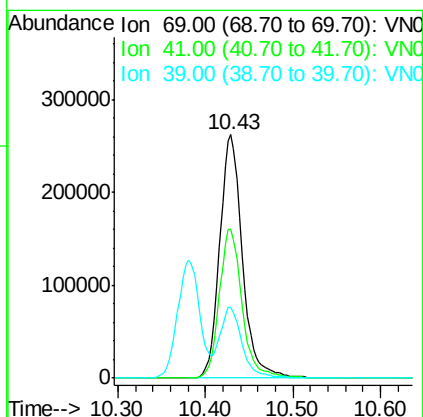
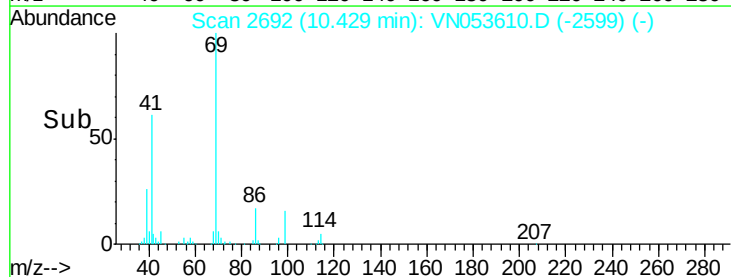
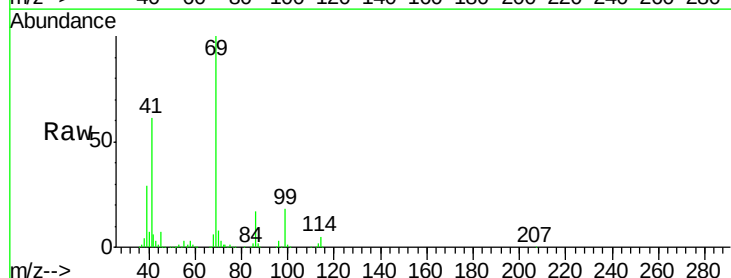
Manual Integrations
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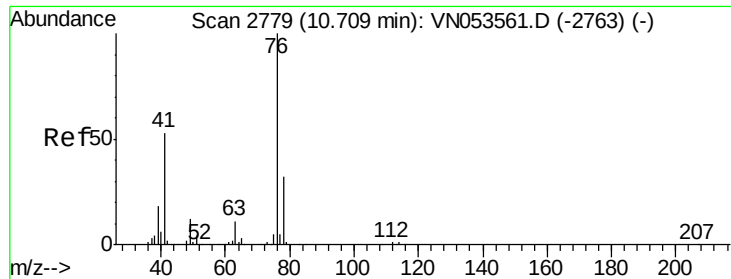
MMDadoda
 2/6/2019 12:46:49 PM



#56
 Ethyl methacrylate
 Concen: 52.485 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053610.D
 Acq: 5 Feb 2019 10:33

Tgt Ion:	69	Resp:	472467
Ion	Ratio	Lower	Upper
69	100		
41	61.1	49.4	74.0
39	28.6	23.3	34.9





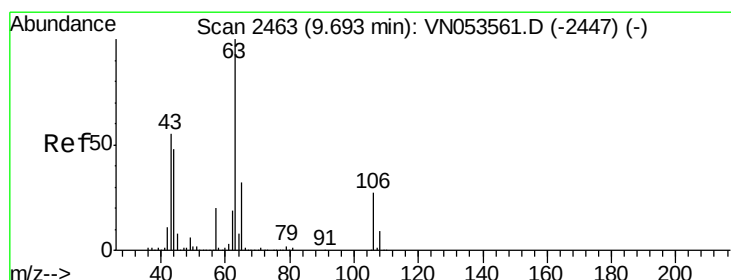
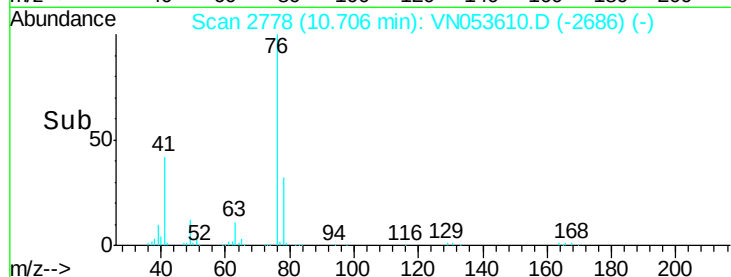
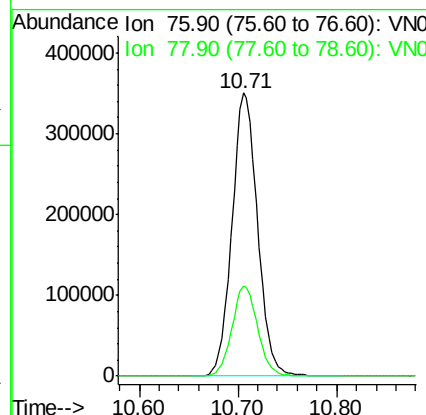
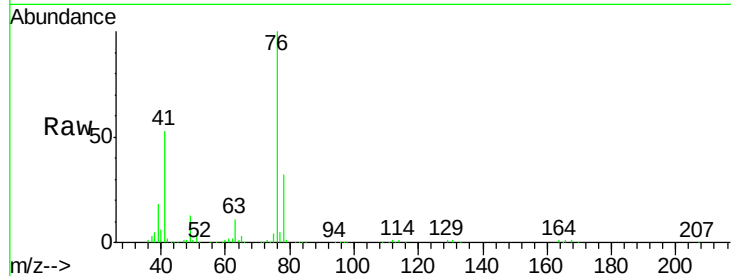
#57
 1,3-Dichloropropane
 Concen: 48.846 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053610.D
 Acq: 5 Feb 2019 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 635238
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4

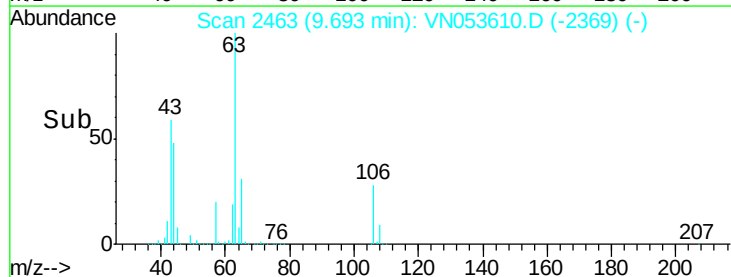
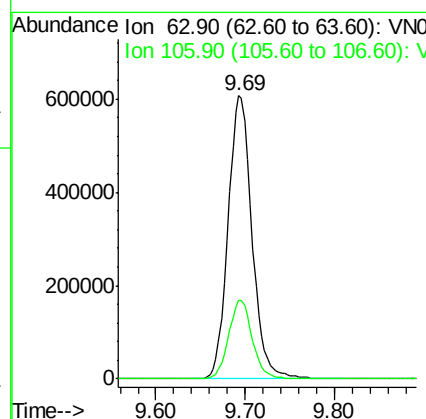
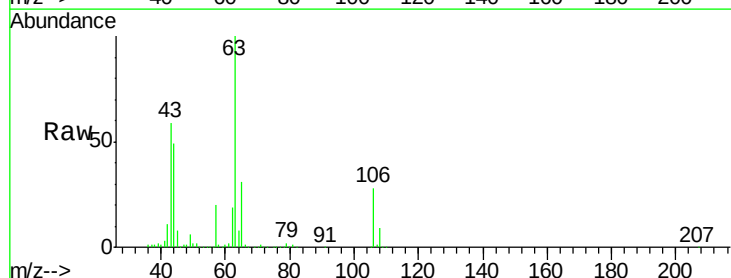
Manual Integrations
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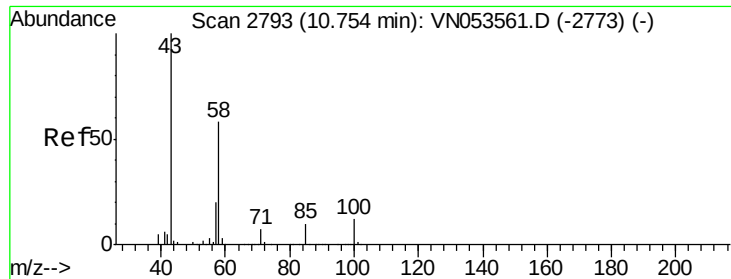
MMDadoda
 2/6/2019 12:46:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 203.559 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053610.D
 Acq: 5 Feb 2019 10:33

Tgt Ion: 63 Resp: 1127836
 Ion Ratio Lower Upper
 63 100
 106 27.5 21.5 32.3





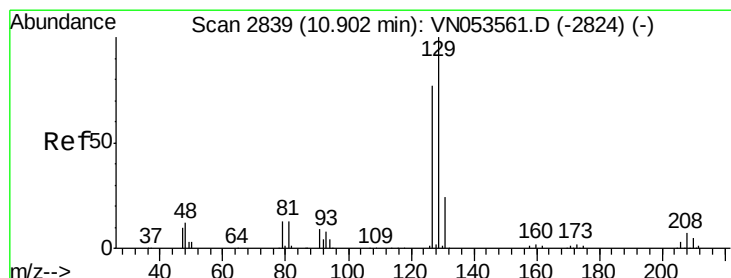
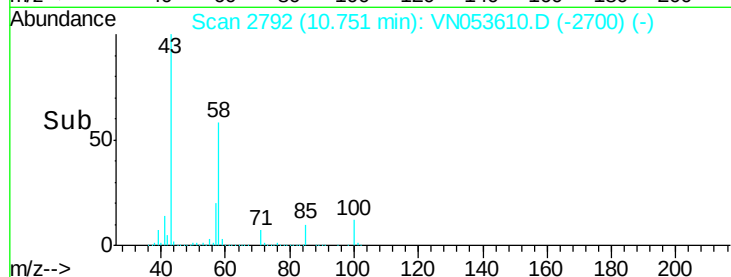
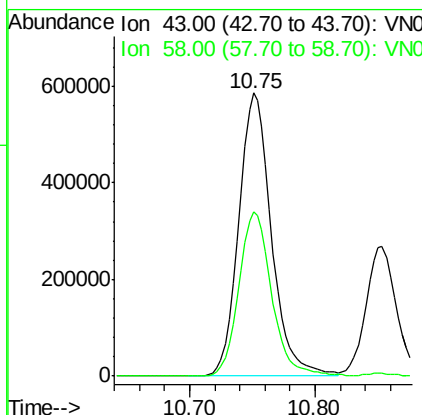
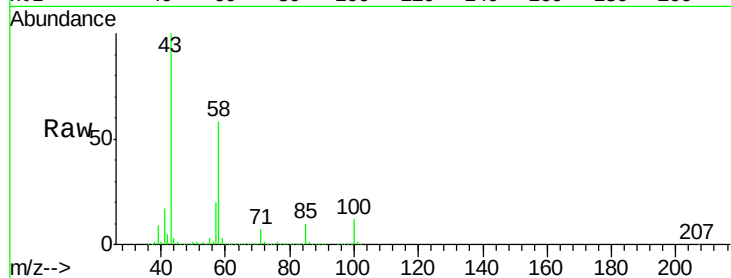
#59
2-Hexanone
Concen: 255.005 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1058691
Ion Ratio Lower Upper
43 100
58 58.3 28.6 85.8

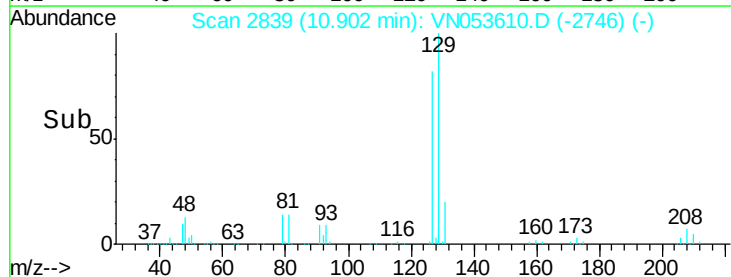
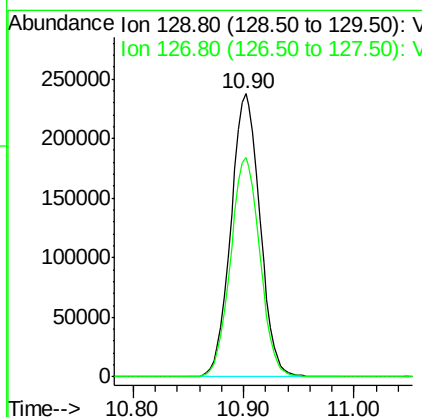
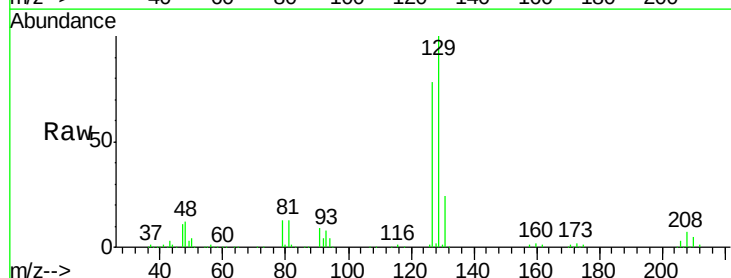
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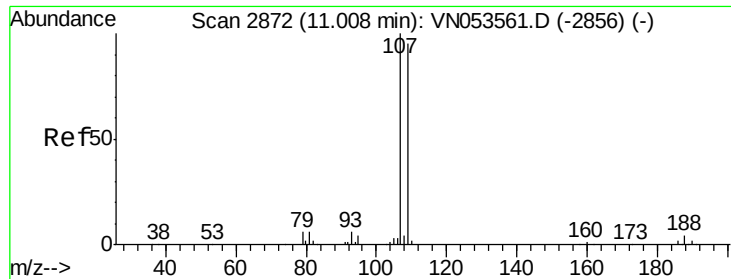
MMDadoda
2/6/2019 12:46:49 PM



#60
Dibromochloromethane
Concen: 50.677 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Tgt Ion: 129 Resp: 434852
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 47.655 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 358917

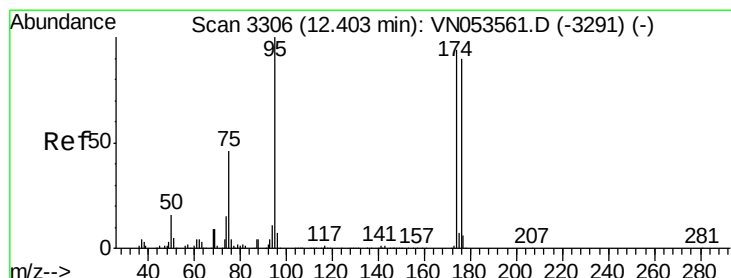
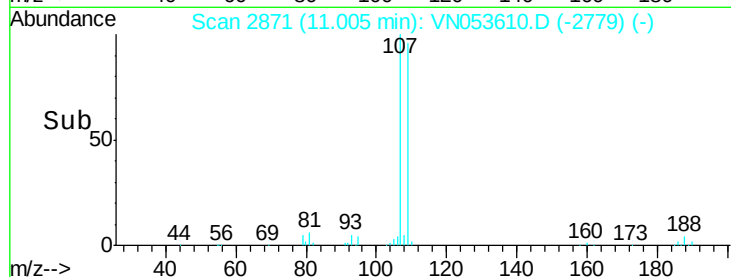
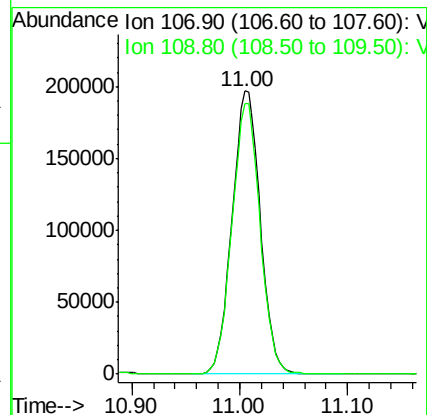
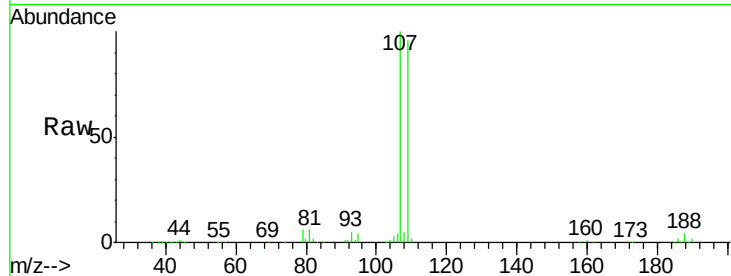
Ion Ratio Lower Upper

107 100

109 95.5 75.7 113.5

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 47.655 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

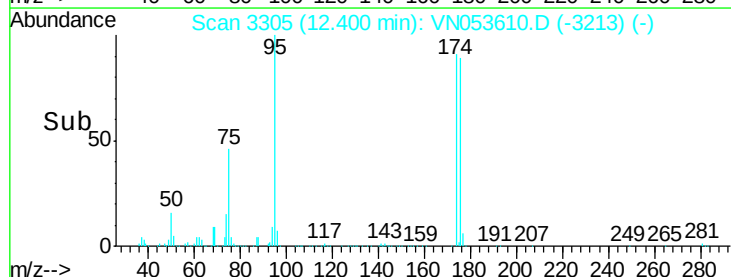
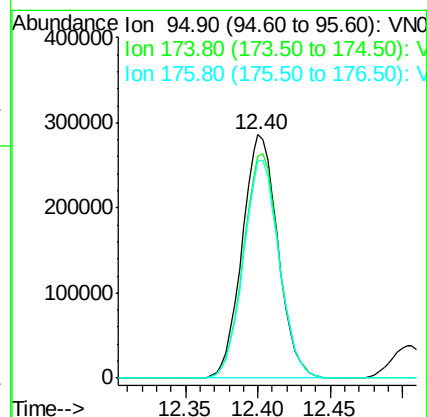
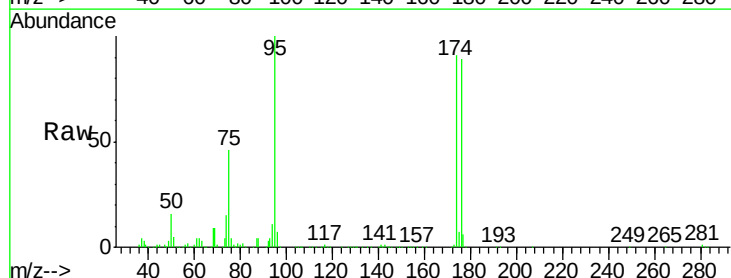
Tgt Ion: 95 Resp: 490502

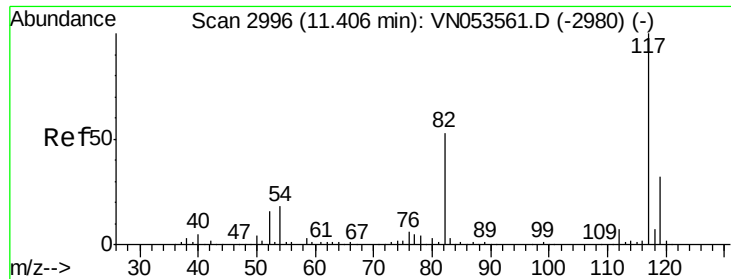
Ion Ratio Lower Upper

95 100

174 92.1 0.0 183.2

176 89.4 0.0 177.4





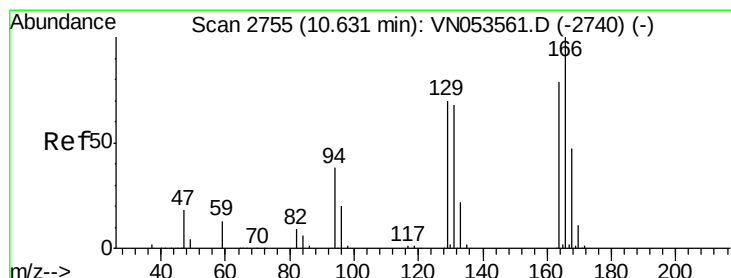
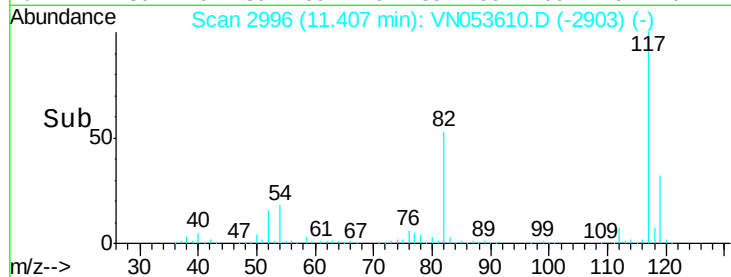
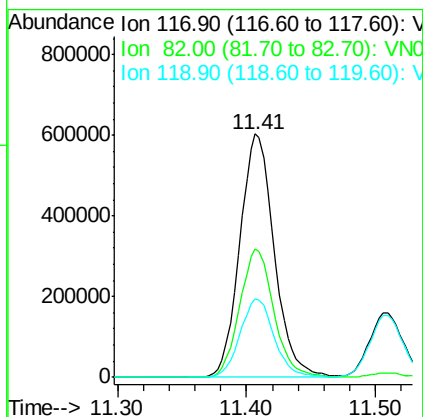
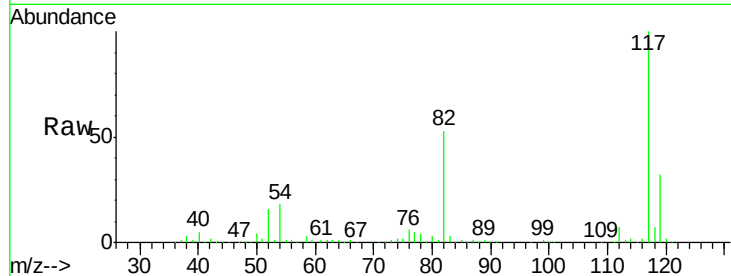
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1122530
Ion Ratio Lower Upper
117 100
82 52.7 42.9 64.3
119 32.0 26.0 39.0

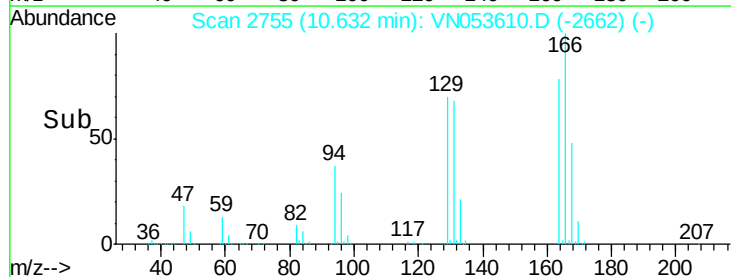
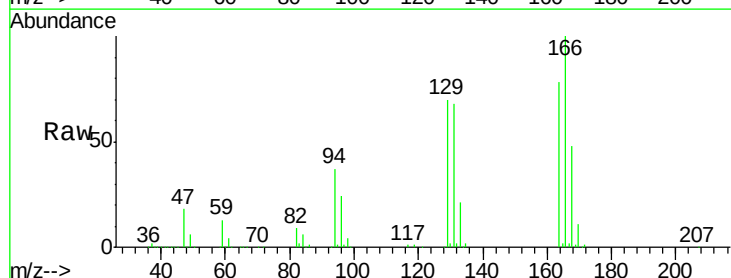
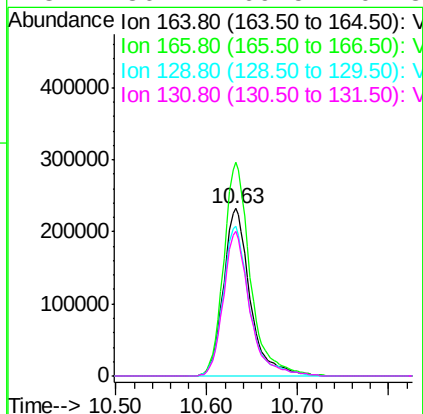
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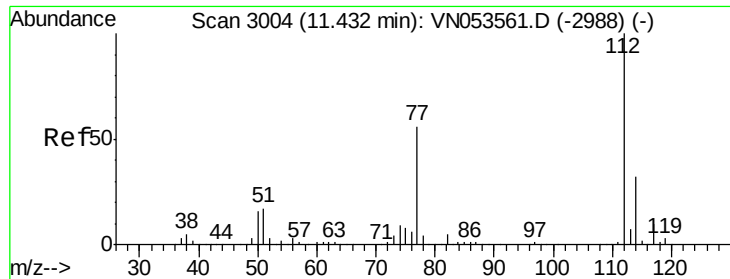
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#64
Tetrachloroethene
Concen: 48.986 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Tgt Ion:164 Resp: 471366
Ion Ratio Lower Upper
164 100
166 127.5 102.2 153.4
129 89.4 72.6 109.0
131 86.1 69.5 104.3





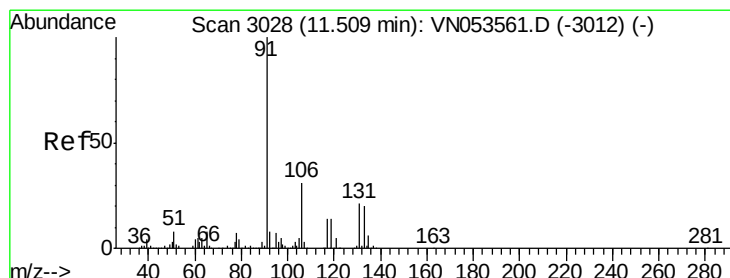
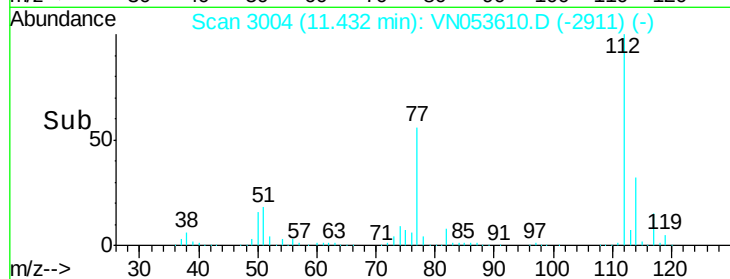
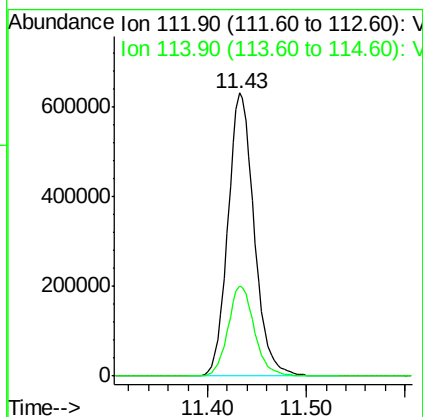
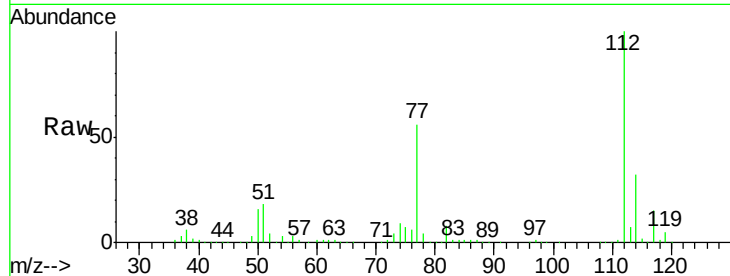
#65
Chlorobenzene
Concen: 49.086 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 1170404
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9

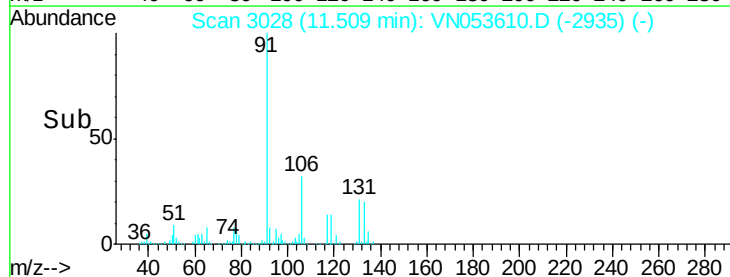
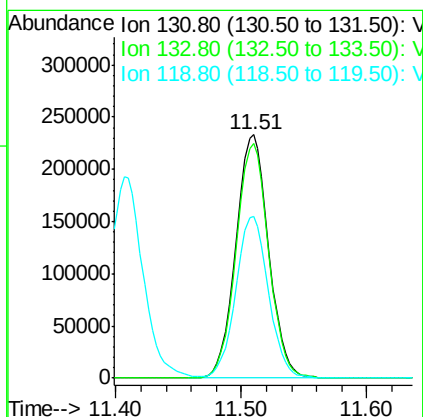
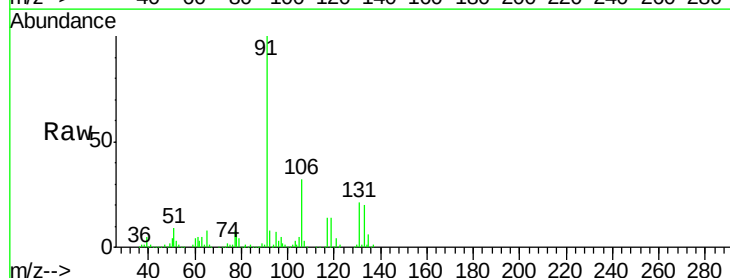
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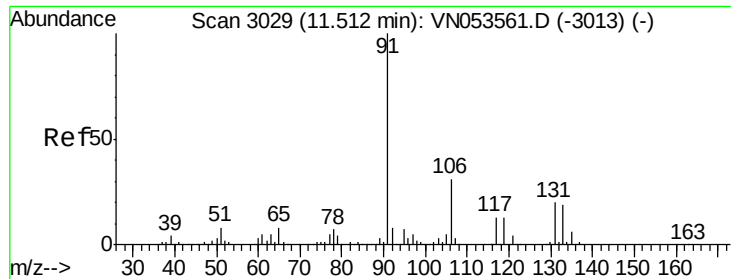
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.714 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Tgt Ion:131 Resp: 422308
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.0
119 66.3 33.5 100.5





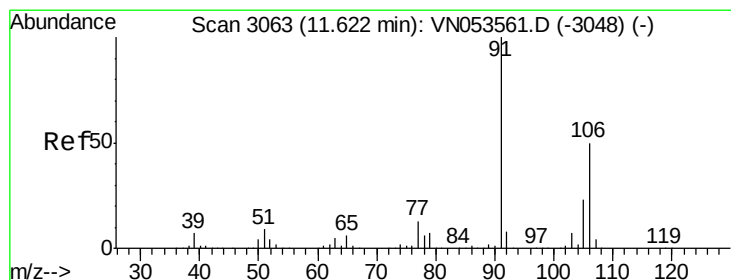
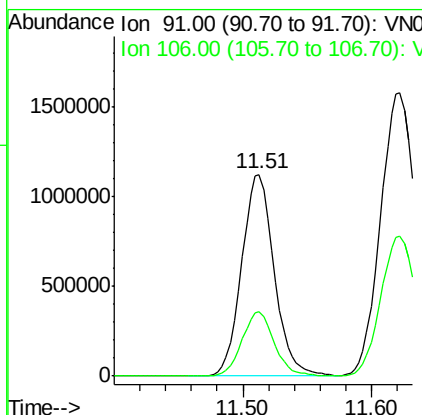
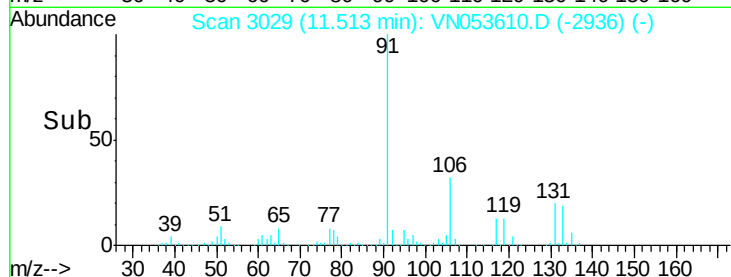
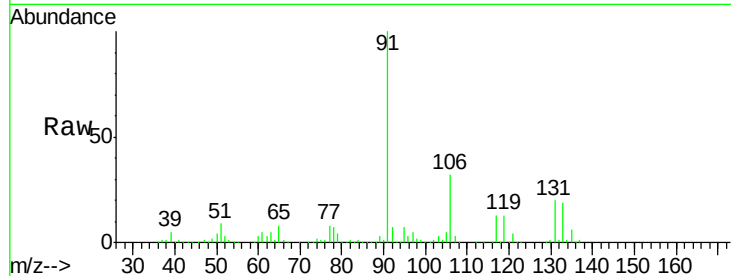
#67
Ethyl Benzene
Concen: 50.591 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1981547
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.6

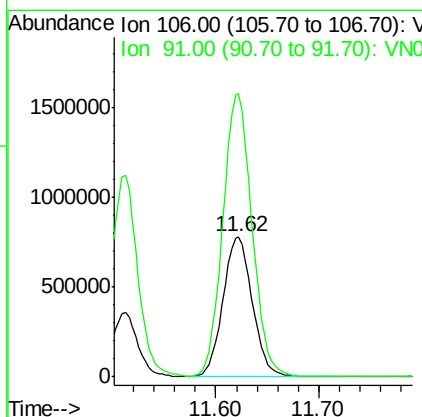
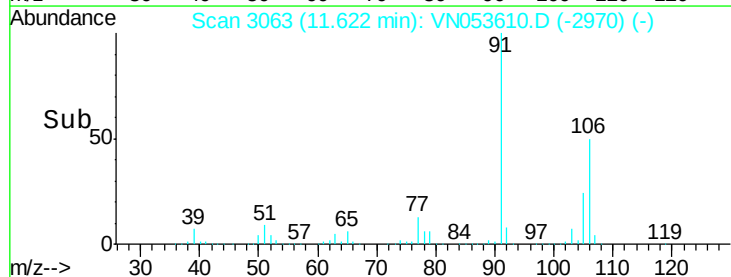
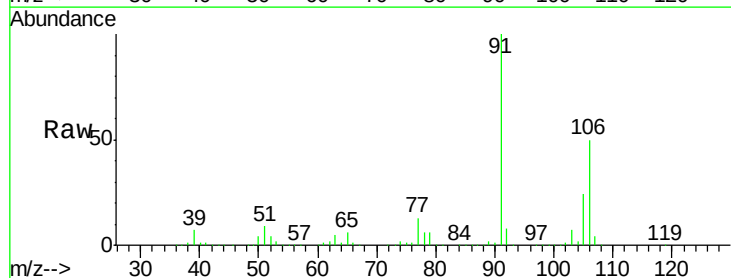
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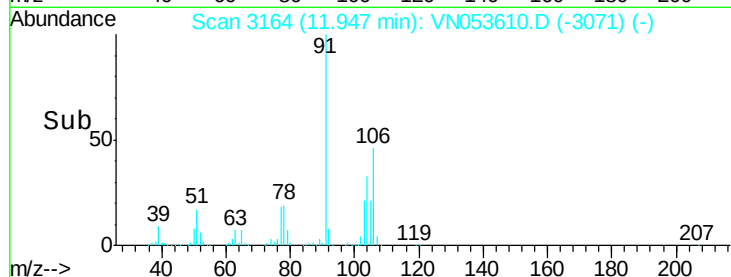
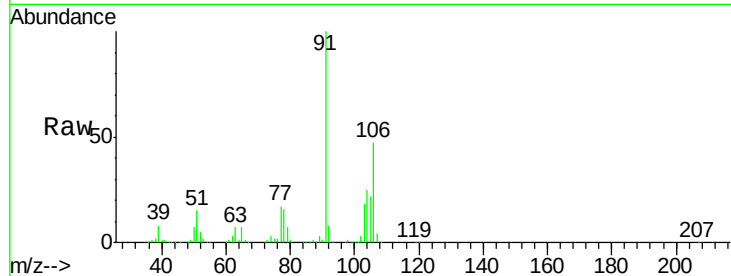
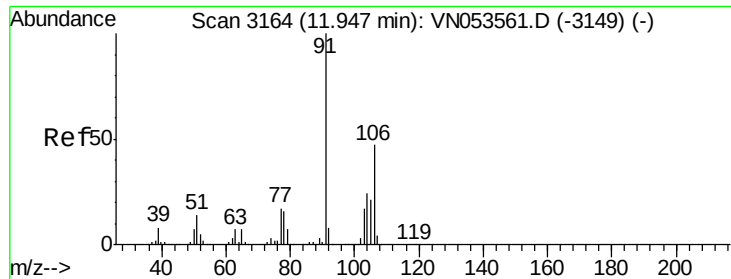
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#68
m/p-Xylenes
Concen: 103.230 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Tgt Ion: 106 Resp: 1543182
Ion Ratio Lower Upper
106 100
91 201.6 161.4 242.2





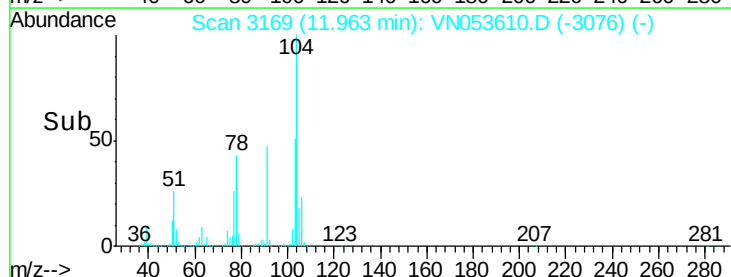
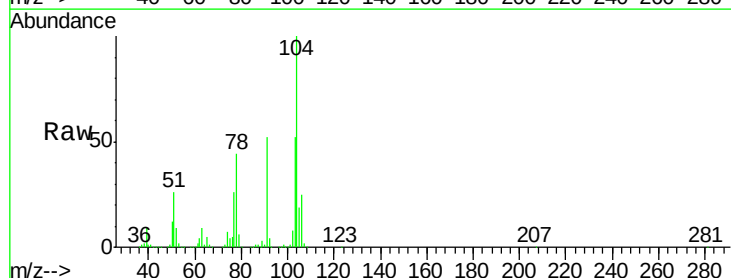
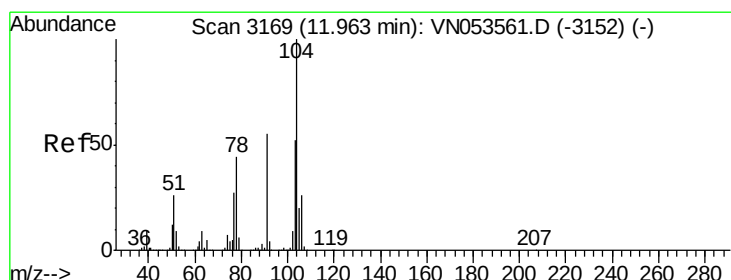
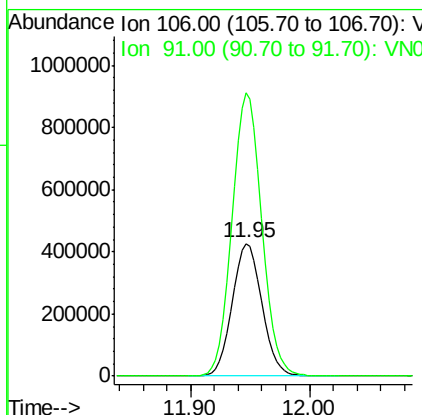
#69
o-Xylene
Concen: 51.168 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Tot Ion:106 Resp: 738969
Ion Ratio Lower Upper
106 100
91 213.2 106.9 320.8

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

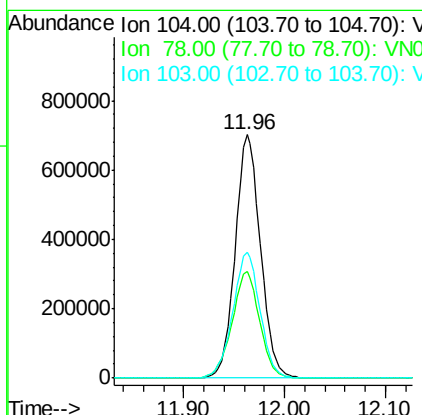
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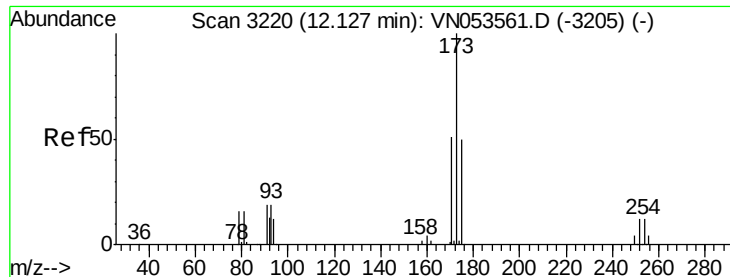
MMDadoda
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#70
Styrene
Concen: 52.010 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Tgt Ion:104 Resp: 1217454
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 55.8 44.4 66.6





#71

Bromoform

Concen: 51.629 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

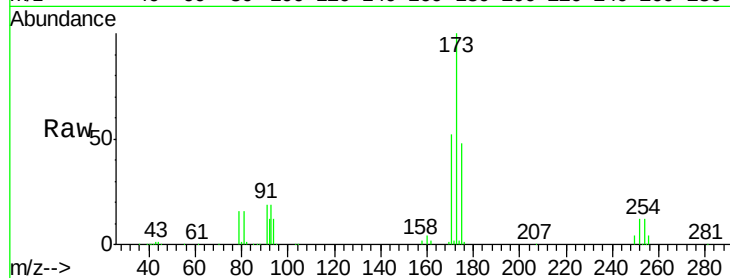
ClientSampleId :

VSTDCCC050

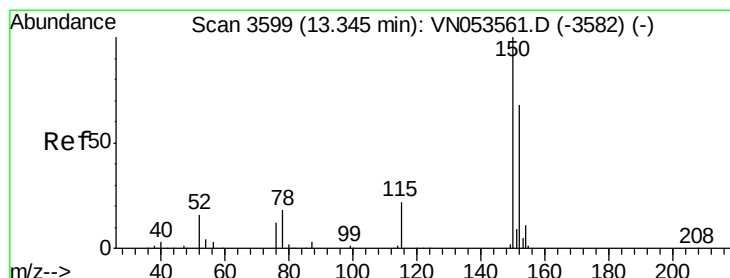
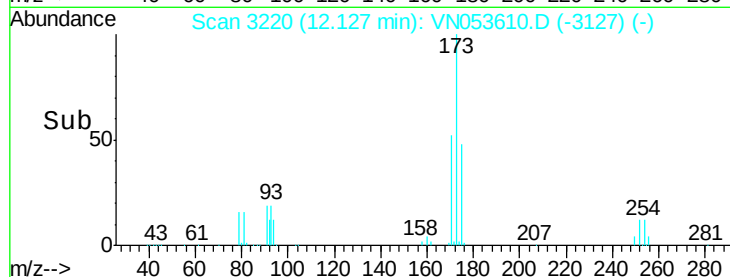
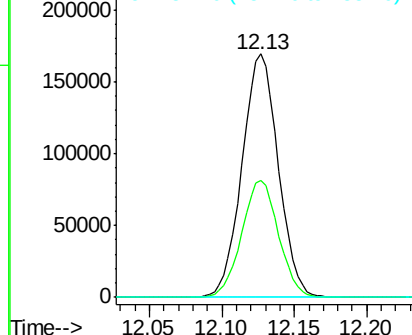
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	74.0
254	0.1	0.2	0.2#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

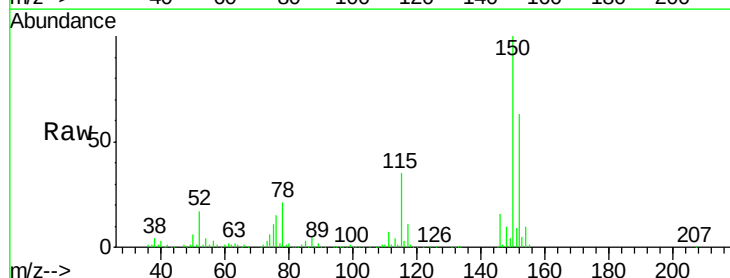
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

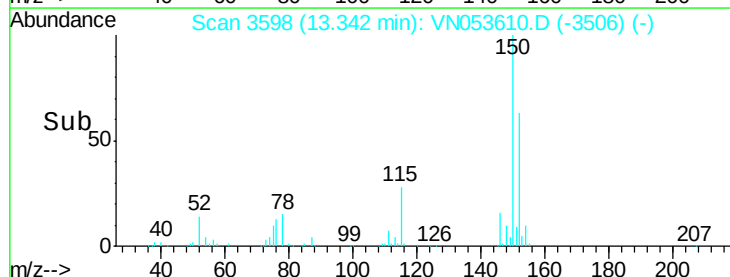
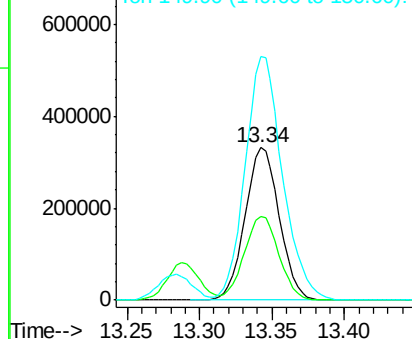
Lab File: VN053610.D

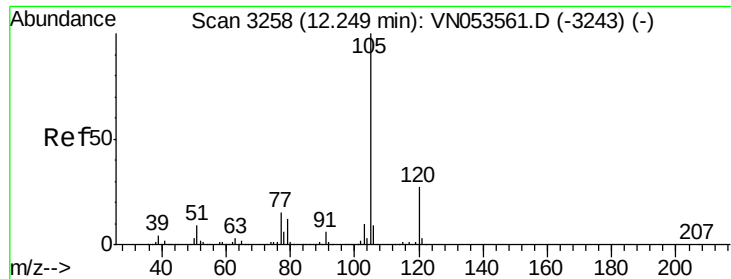
Acq: 5 Feb 2019 10:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.8	83.4
150	174.5	0.0	349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.666 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1937628

Ion Ratio Lower Upper

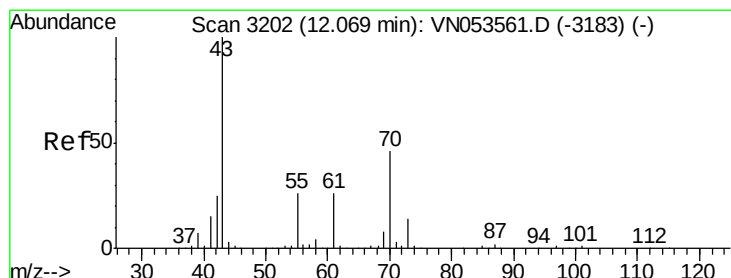
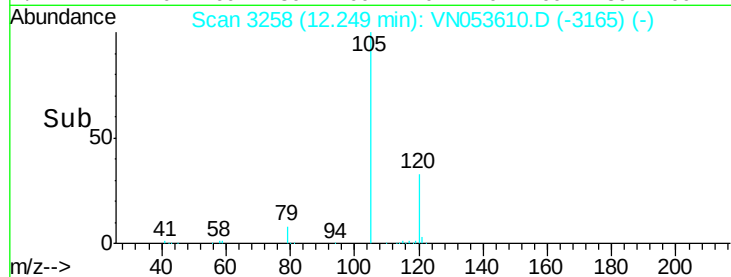
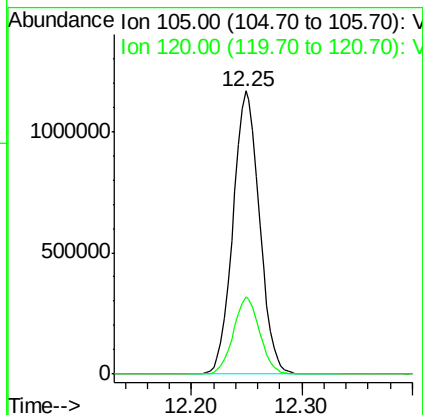
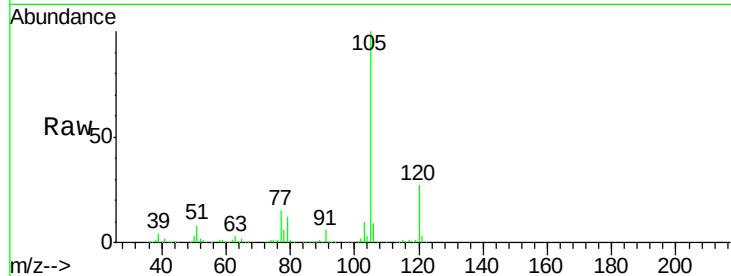
105 100

120 27.0 13.6 40.7

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#74

N-ethyl acetate

Concen: 51.461 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Tgt Ion: 43 Resp: 473249

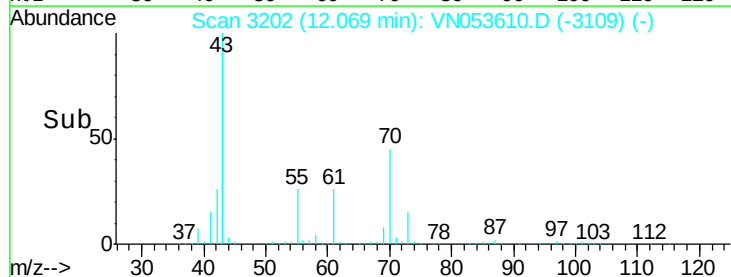
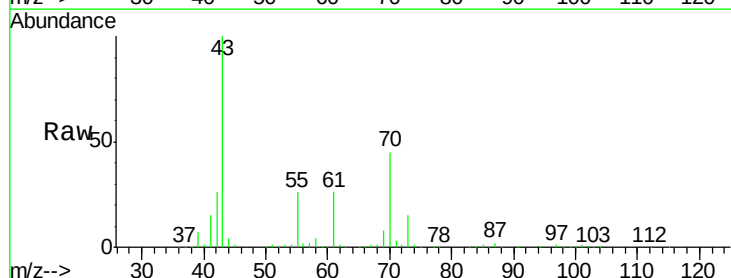
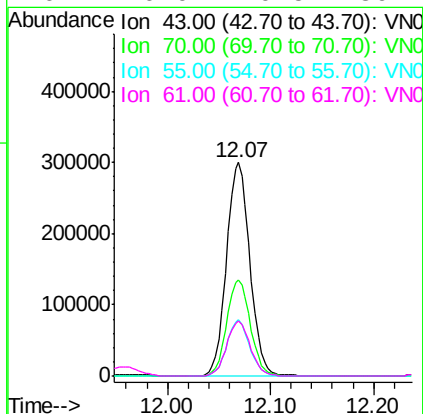
Ion Ratio Lower Upper

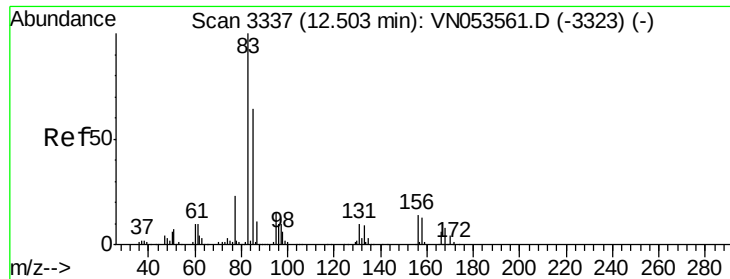
43 100

70 45.6 35.4 53.2

55 25.9 20.9 31.3

61 26.0 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 47.251 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

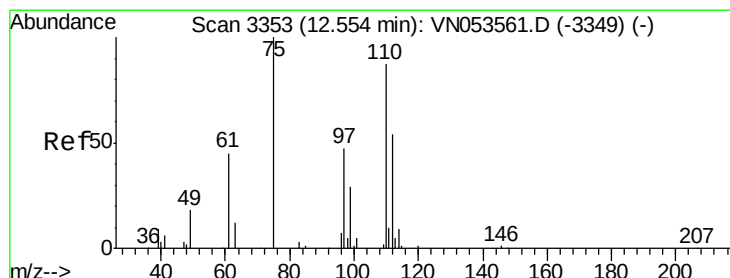
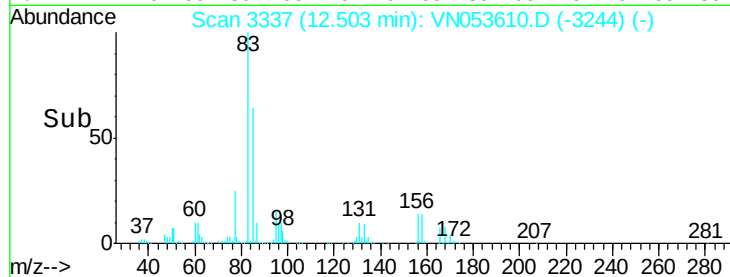
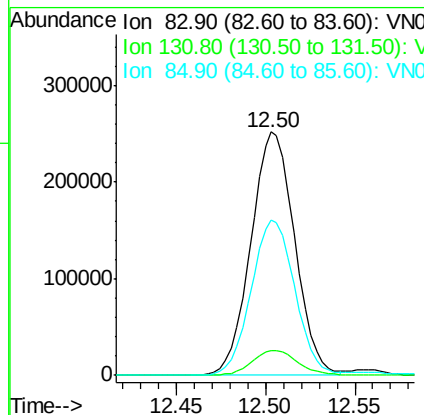
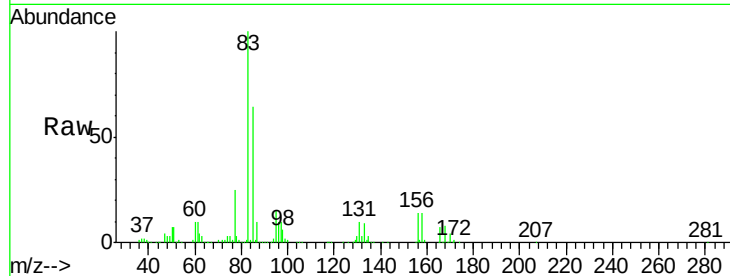
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	432468
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.8
85	63.8	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.473 ug/l m

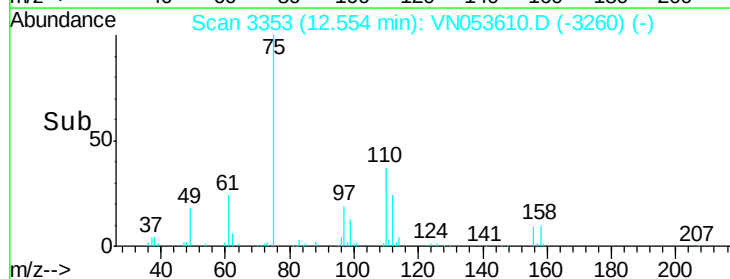
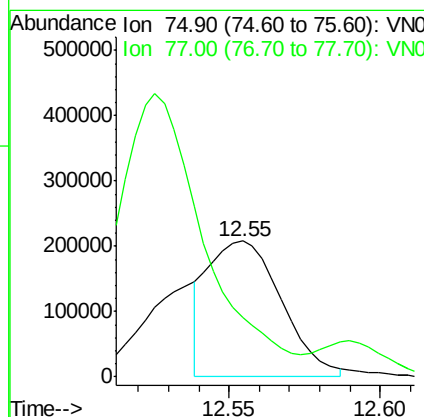
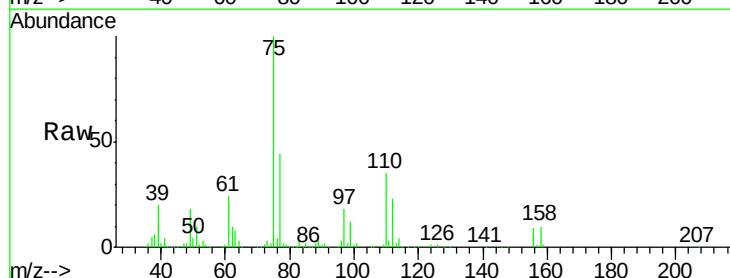
RT: 12.55 min Scan# 3353

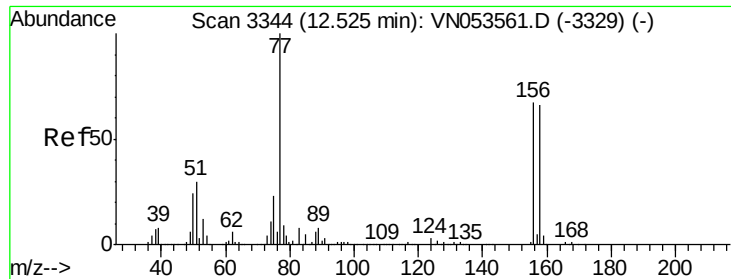
Delta R.T. 0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Tgt Ion:	75	Resp:	352681
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.341 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

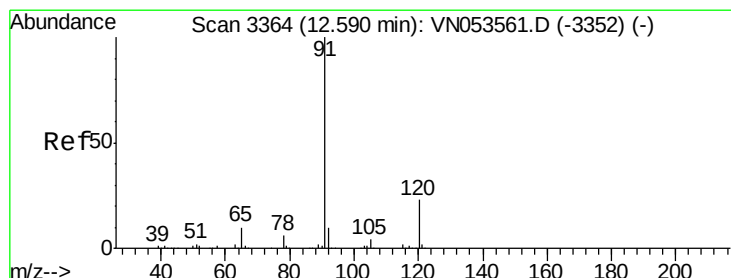
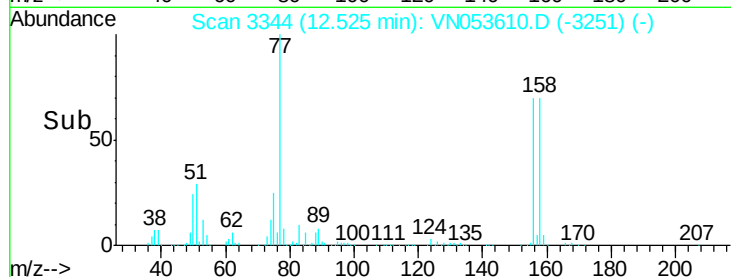
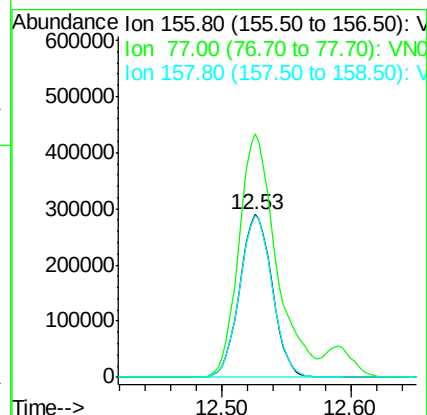
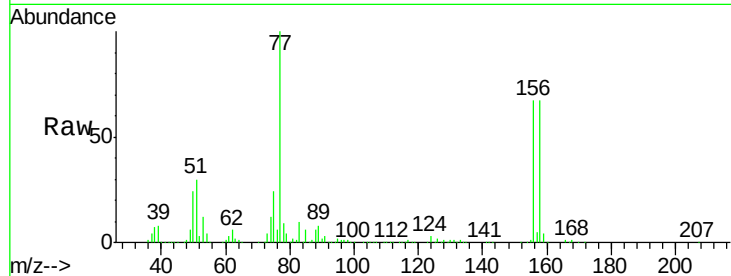
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	508547
Ion Ratio	Lower	Upper	
156	100		
77	172.2	87.9	263.8
158	99.6	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 51.709 ug/l

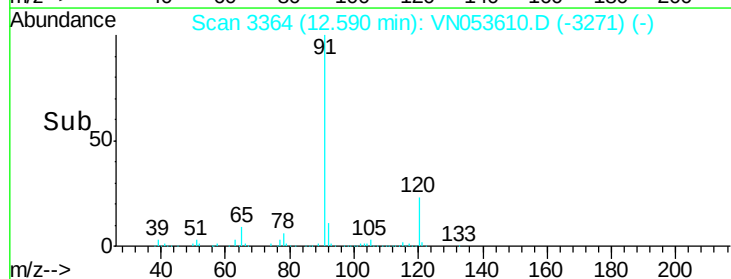
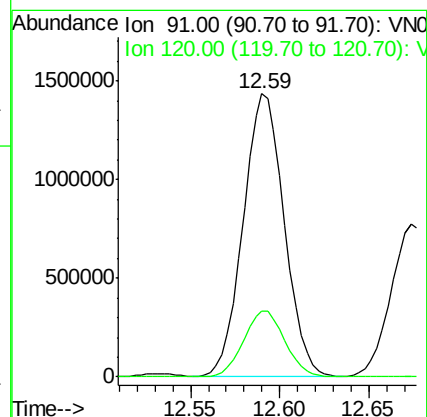
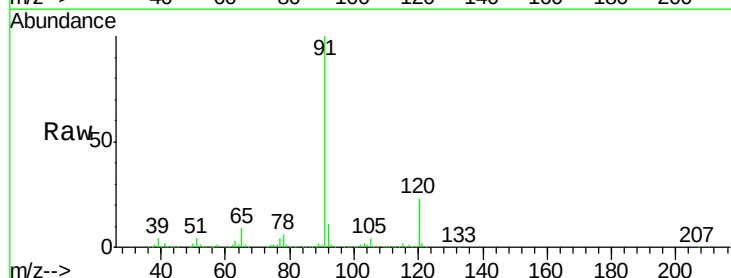
RT: 12.59 min Scan# 3364

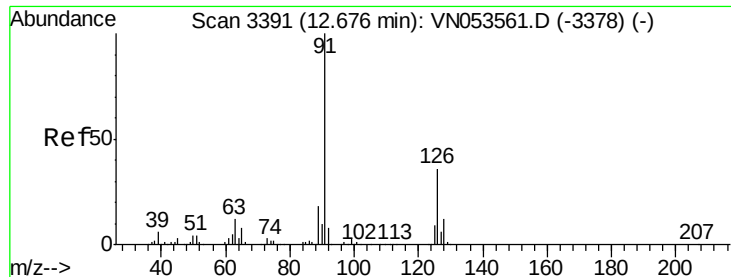
Delta R.T. 0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Tgt Ion:	91	Resp:	2286058
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.5





#79

2-Chlorotoluene

Concen: 50.064 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1313129

Ion Ratio Lower Upper

91 100

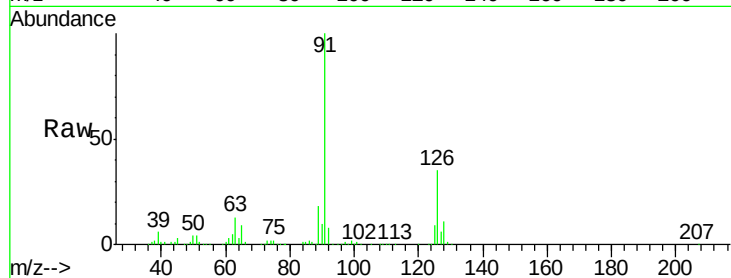
126 35.9 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN053610.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN053610.D (-3391) (-)

1500000

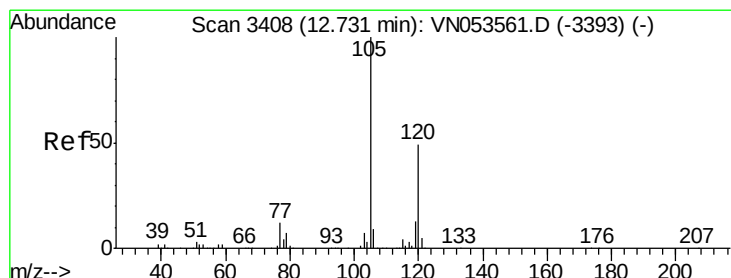
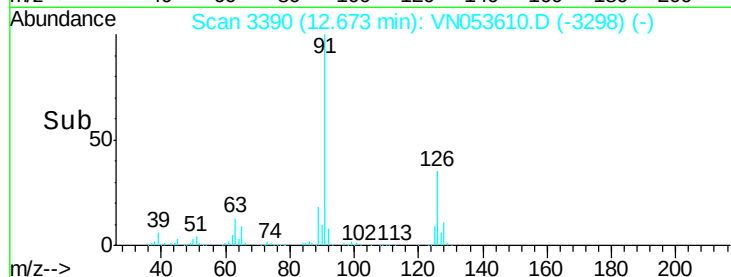
1000000

500000

0

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.285 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053610.D

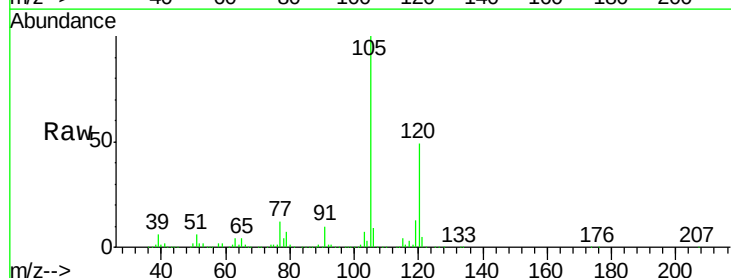
Acq: 5 Feb 2019 10:33

Tgt Ion: 105 Resp: 1658128

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053610.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN053610.D (-3408) (-)

1200000

1000000

800000

600000

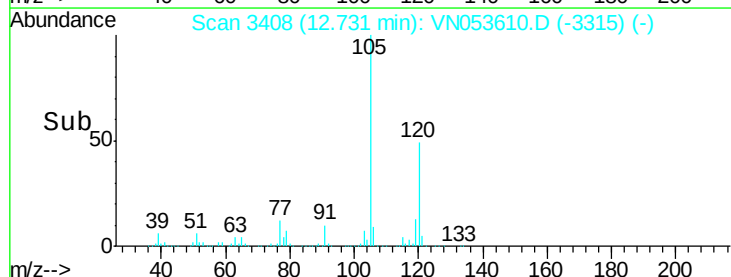
400000

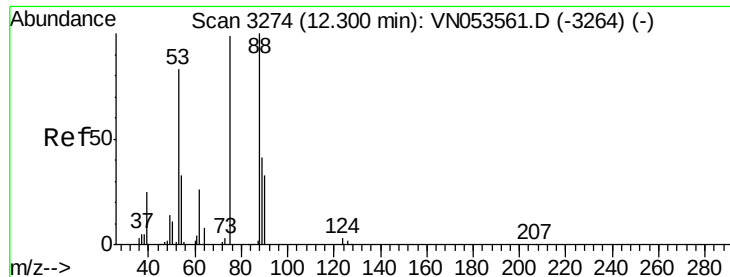
200000

0

12.73

Time-->





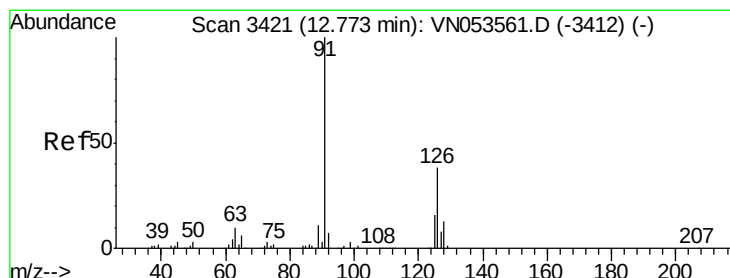
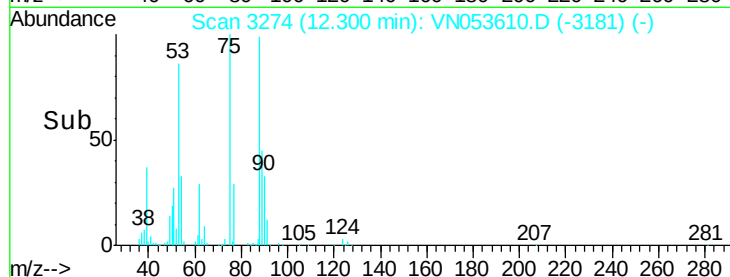
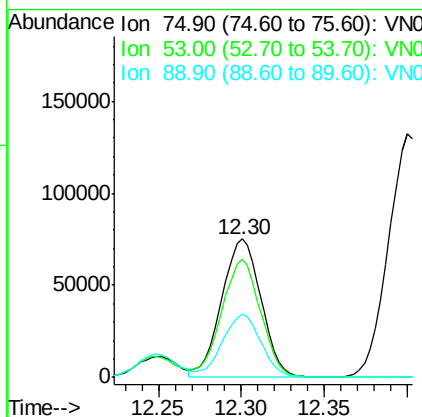
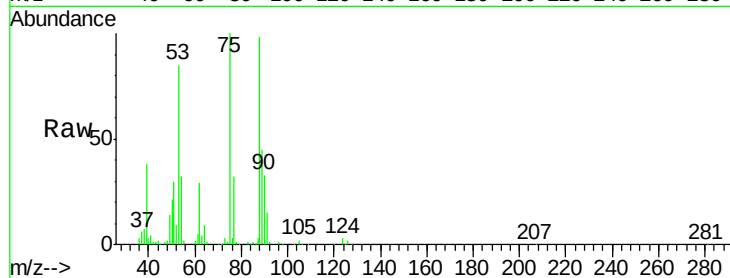
#81
trans-1,4-Dichloro-2-butene
Concen: 49.820 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.3	69.8	104.6
89	44.9	35.6	53.4

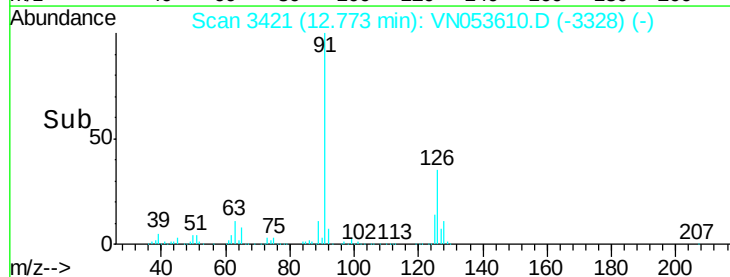
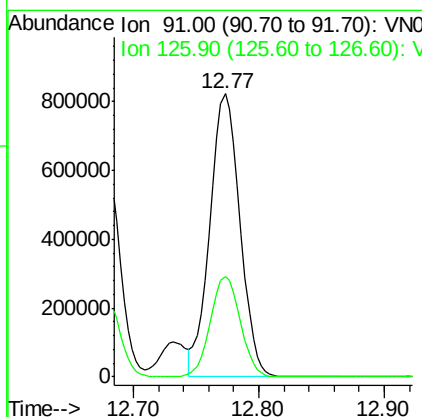
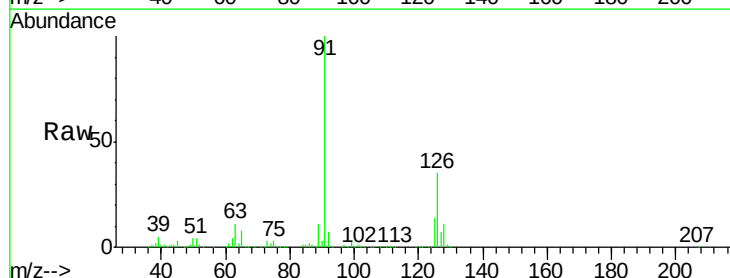
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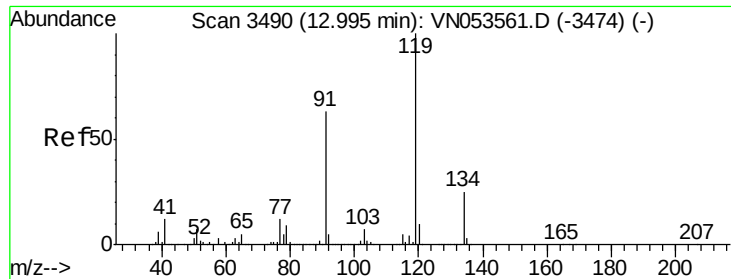
MMDadoda
2/6/2019 12:46:49 PM



#82
4-Chlorotoluene
Concen: 50.711 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.6	52.9





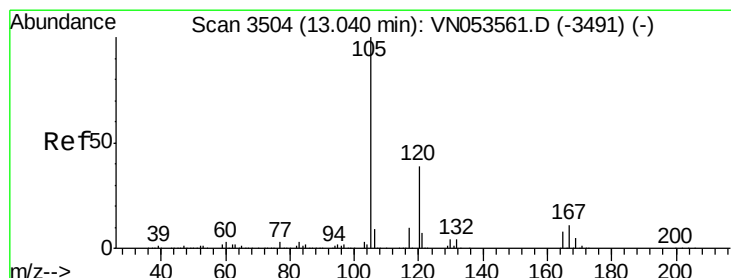
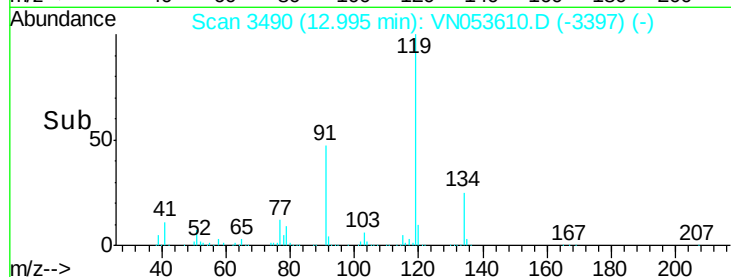
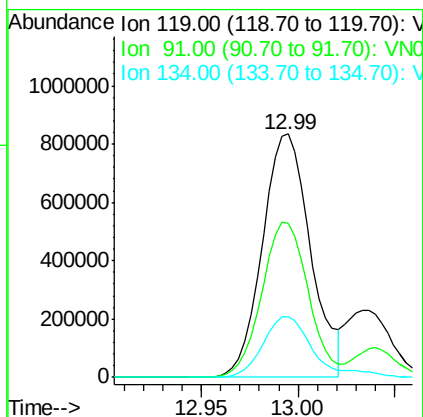
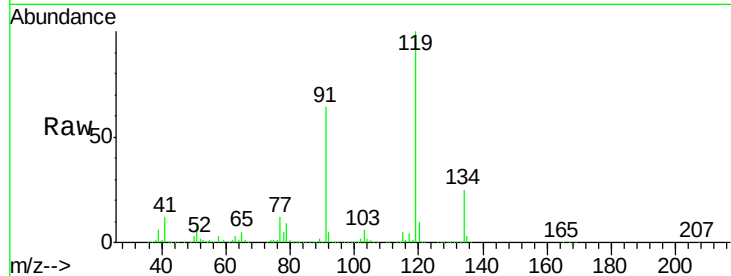
#83
 tert-Butylbenzene
 Concen: 51.526 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053610.D
 Acq: 5 Feb 2019 10:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:119 Resp: 1444209
 Ion Ratio Lower Upper
 119 100
 91 61.3 31.3 93.8
 134 26.1 12.9 38.7

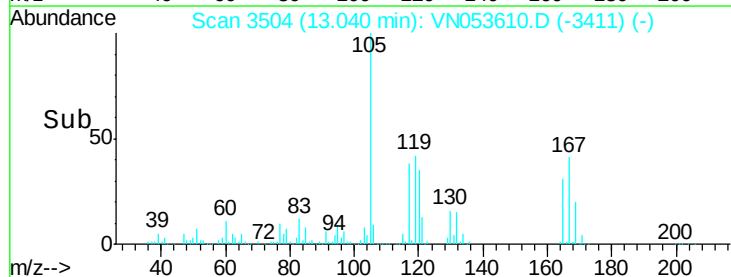
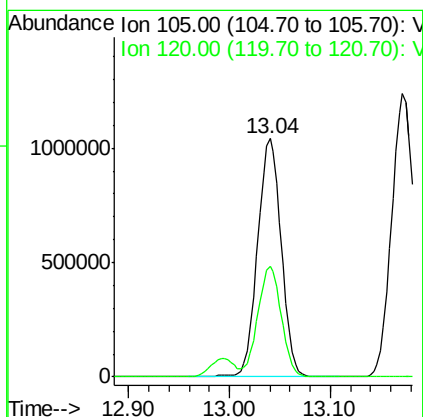
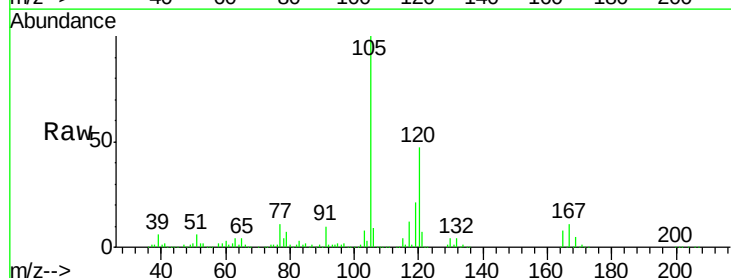
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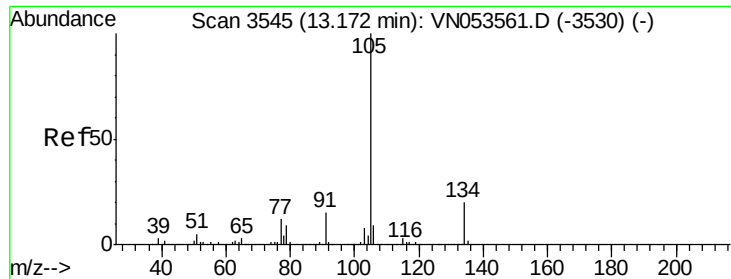
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.168 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053610.D
 Acq: 5 Feb 2019 10:33

Tgt Ion:105 Resp: 1685523
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.0 69.0





#85

sec-Butylbenzene

Concen: 51.675 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1970964

Ion Ratio Lower Upper

105 100

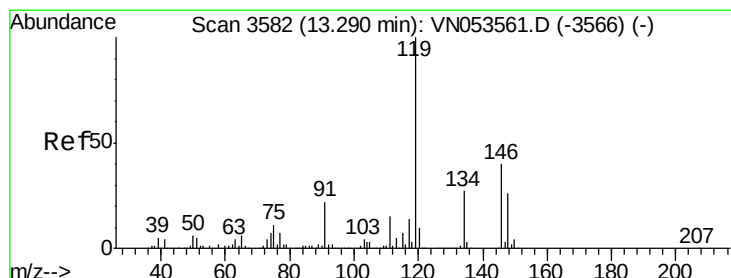
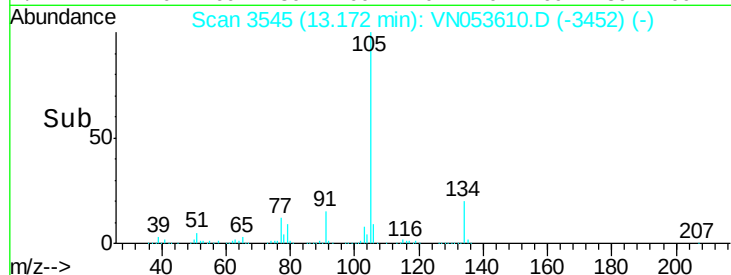
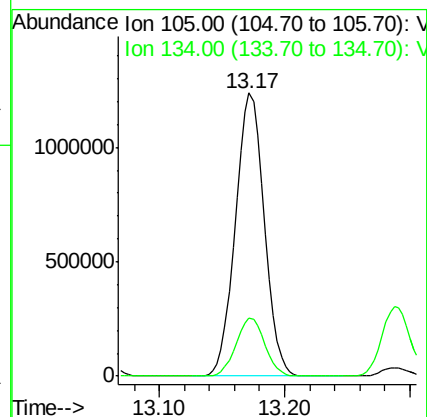
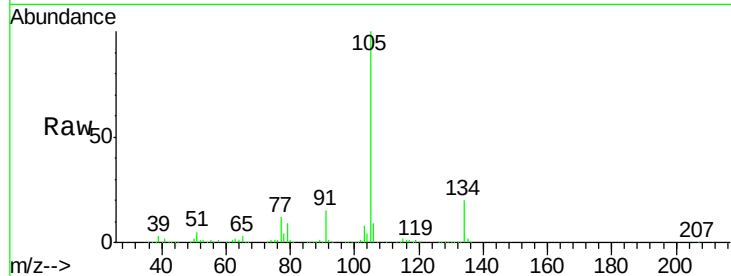
134 20.5 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.553 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

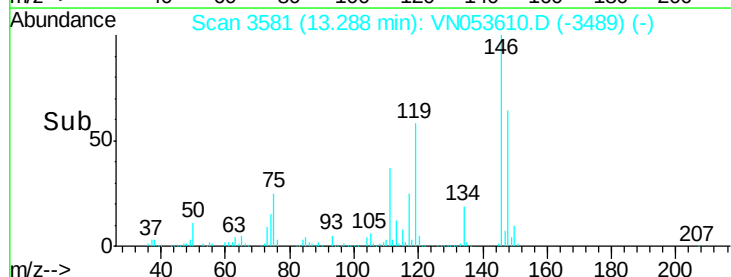
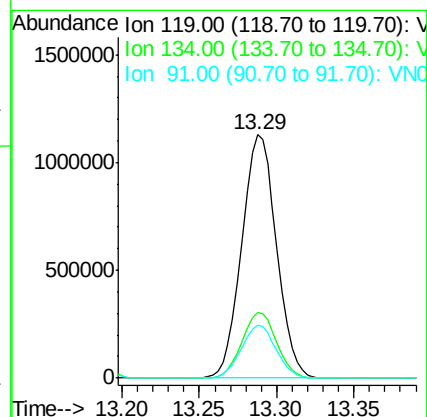
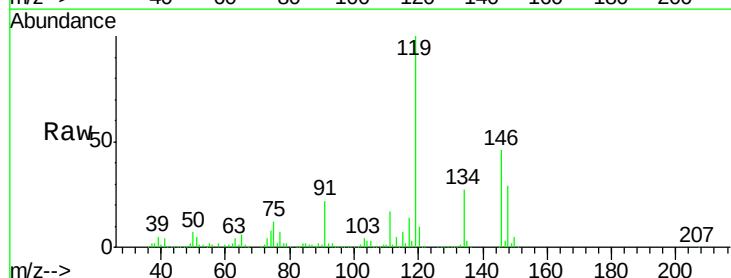
Tgt Ion:119 Resp: 1753075

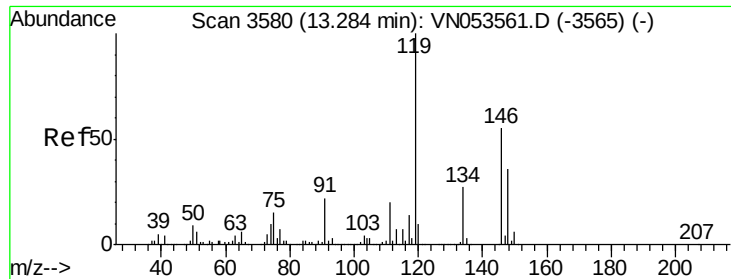
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 21.7 11.0 33.0





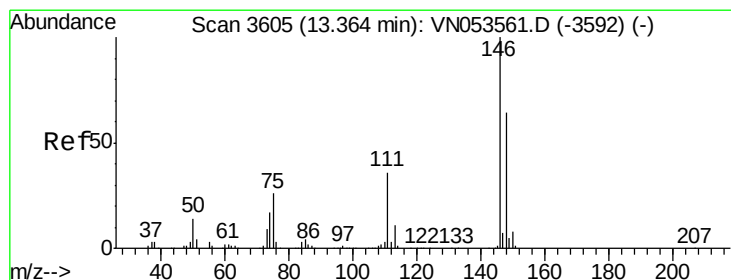
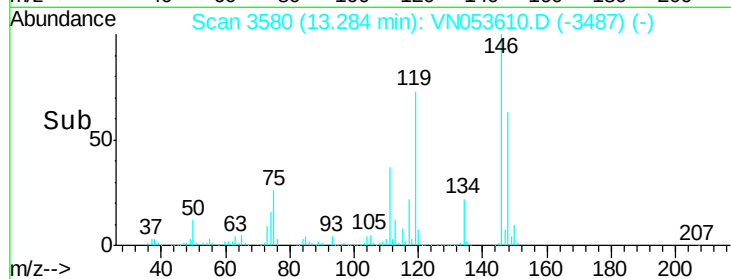
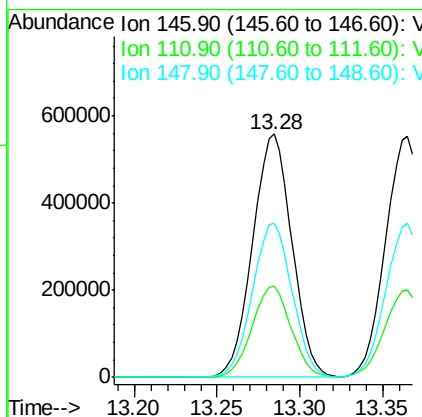
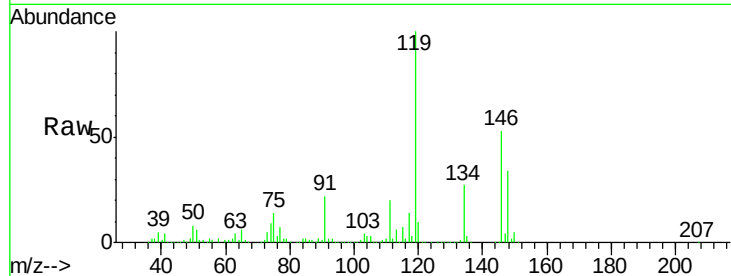
#87
 1,3-Dichlorobenzene
 Concen: 49.663 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053610.D
 Acq: 5 Feb 2019 10:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	920170		
111	37.2	18.8	56.3	
148	64.0	32.0	96.2	

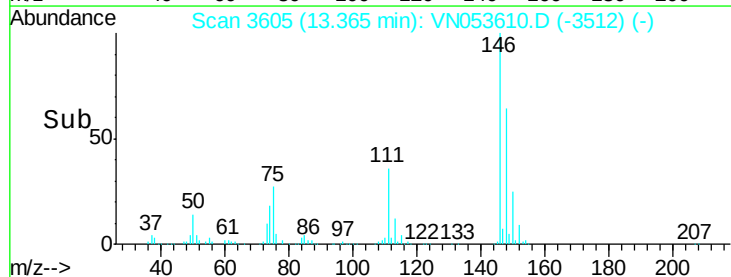
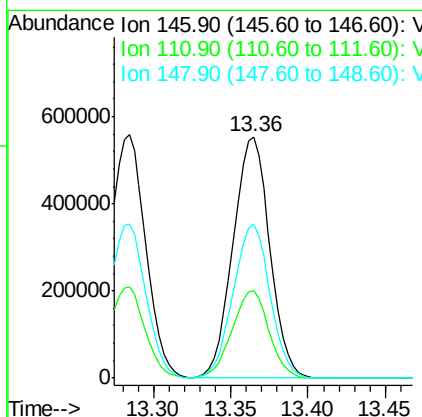
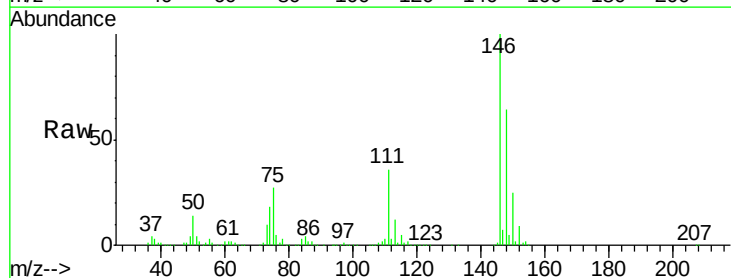
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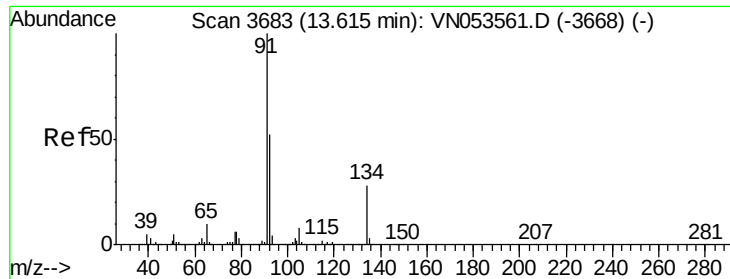
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#88
 1,4-Dichlorobenzene
 Concen: 49.707 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053610.D
 Acq: 5 Feb 2019 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	911025		
111	36.5	18.6	55.8	
148	63.9	32.4	97.0	





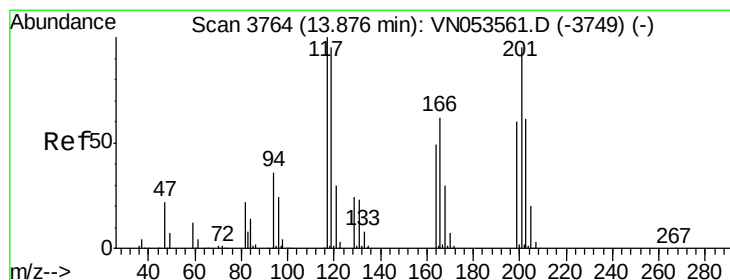
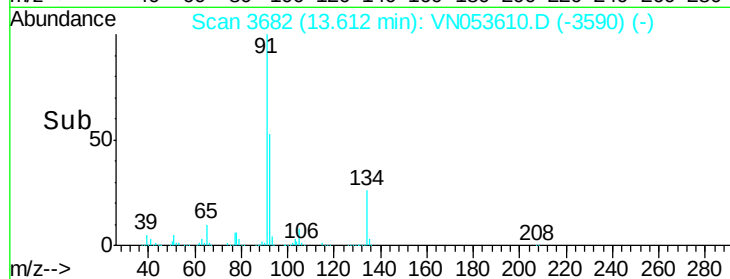
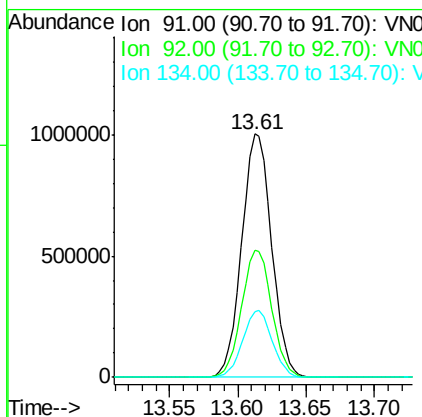
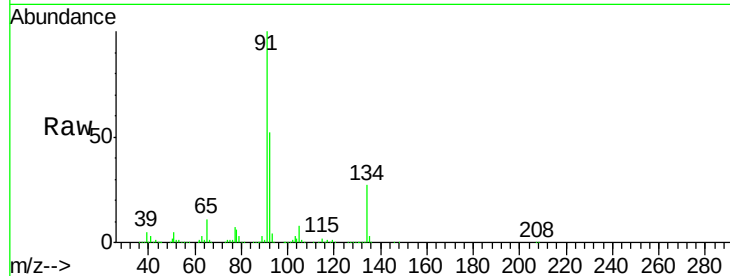
#89
n-Butylbenzene
Concen: 52.851 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1526003
Ion Ratio Lower Upper
91 100
92 52.4 26.3 78.8
134 27.2 13.5 40.5

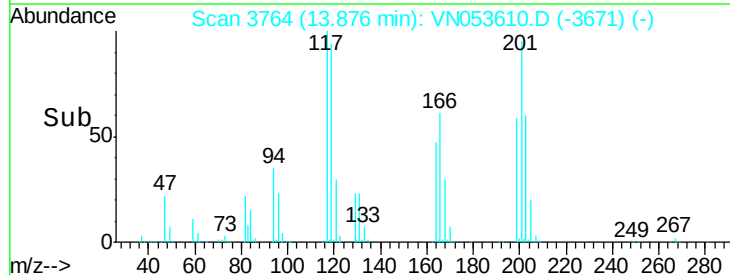
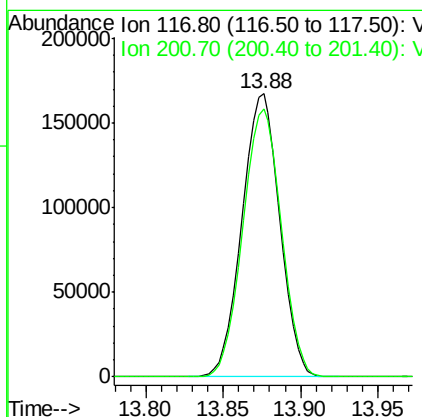
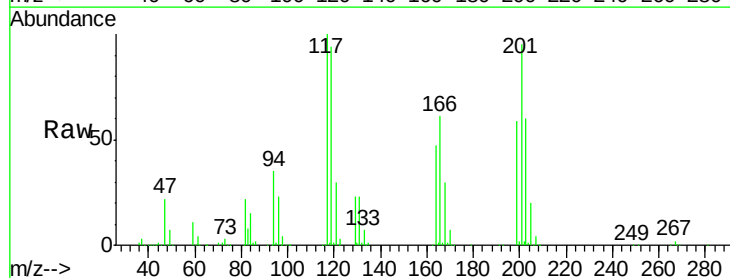
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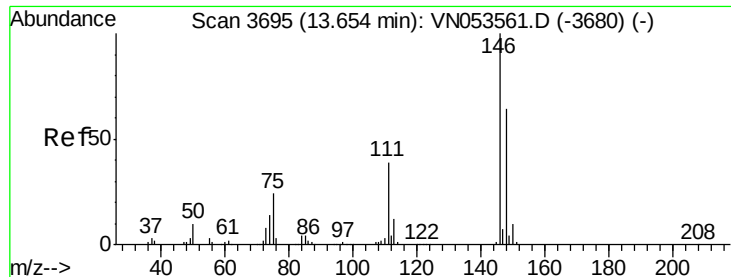
MMDadoda
2/6/2019 12:46:49 PM



#90
Hexachloroethane
Concen: 51.691 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Tgt Ion: 117 Resp: 284421
Ion Ratio Lower Upper
117 100
201 96.2 46.8 140.4





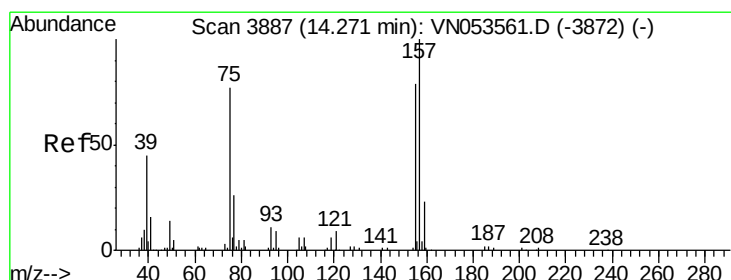
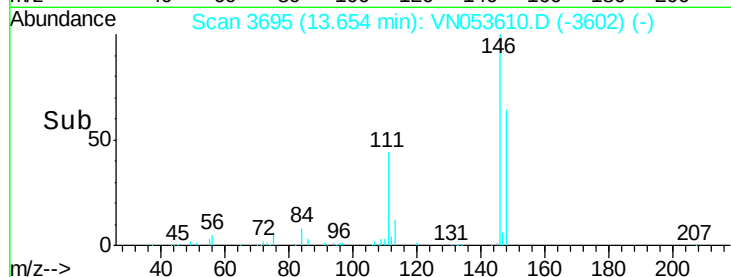
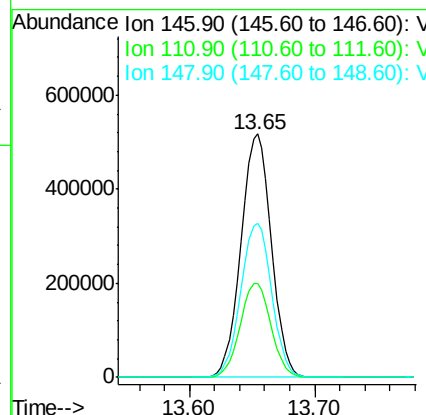
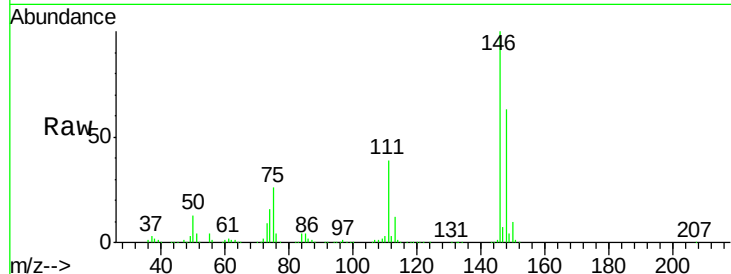
#91
 1,2-Dichlorobenzene
 Concen: 49.072 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053610.D
 Acq: 5 Feb 2019 10:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	64.4	31.9	95.9

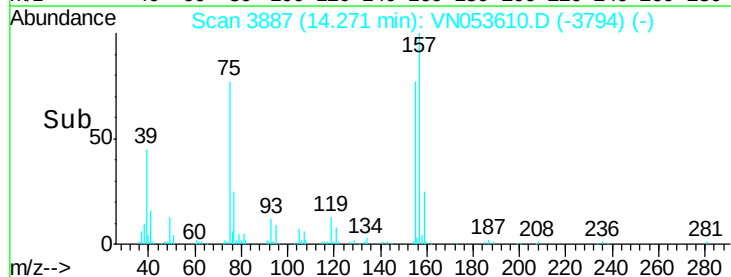
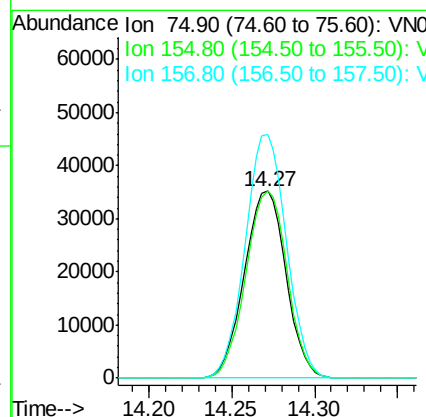
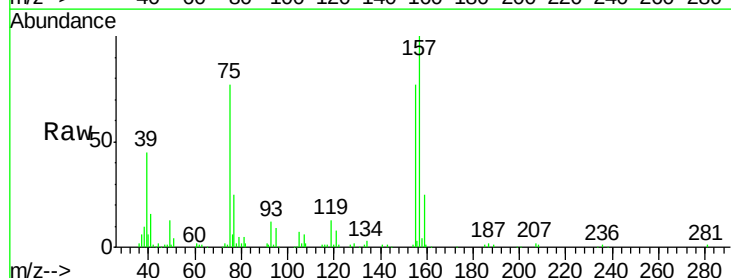
Manual Integrations
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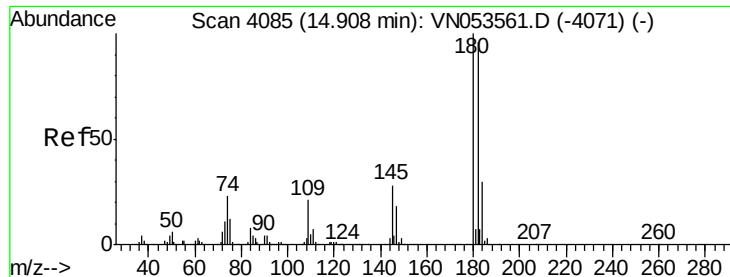
MMDadoda
 2/6/2019 12:46:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.224 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053610.D
 Acq: 5 Feb 2019 10:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	48.9	146.7
157	128.9	63.7	191.3





#93

1,2,4-Trichlorobenzene

Concen: 51.967 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Instrument :

MSVOA_N

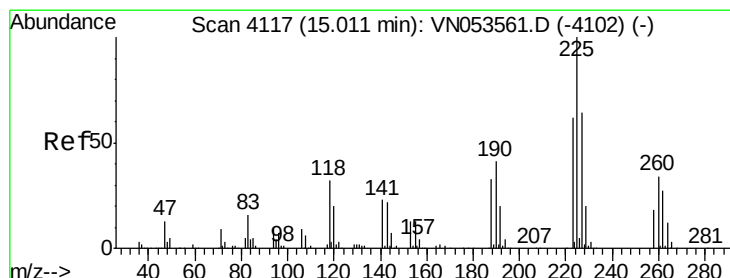
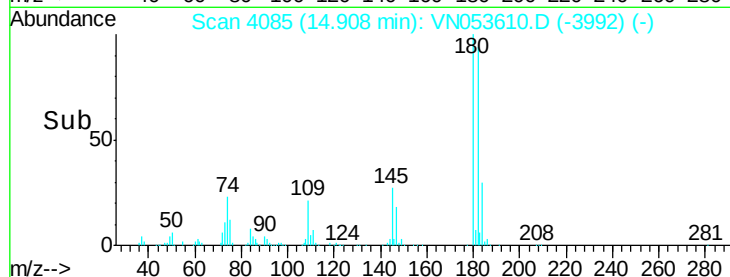
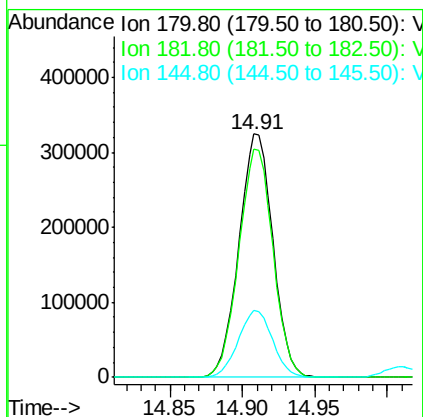
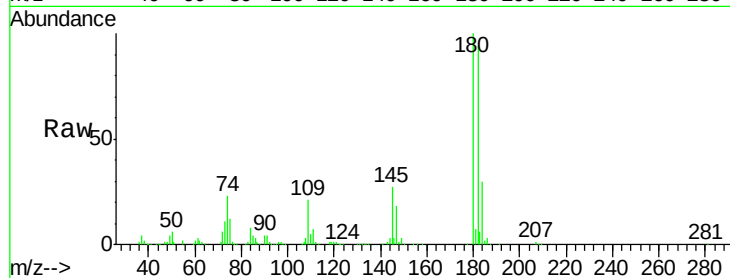
ClientSampled :

VSTDCCC050

Tot Ion:	180	Resp:	528676
Ion Ratio	Lower	Upper	
180	100		
182	94.4	48.1	144.3
145	27.8	13.9	41.6

Manual Integrations
APPROVED

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#94

Hexachlorobutadiene

Concen: 46.981 ug/l

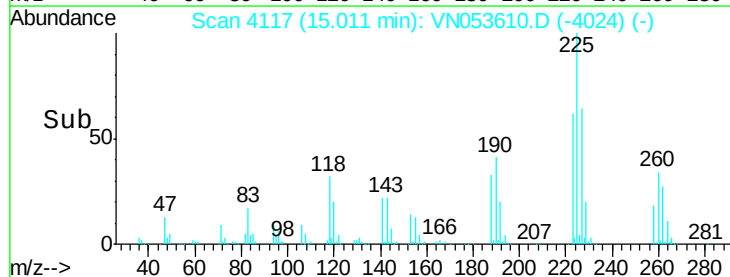
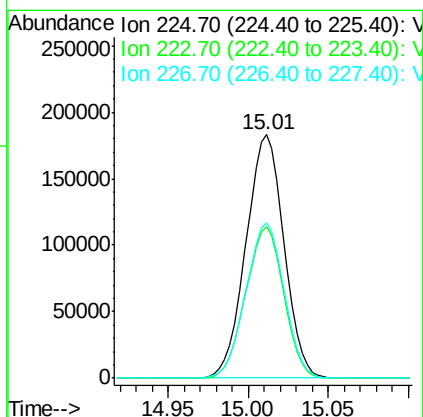
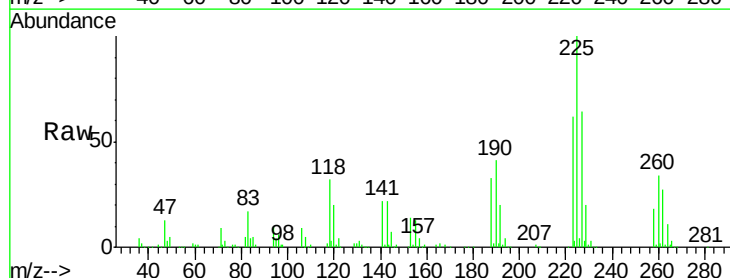
RT: 15.01 min Scan# 4117

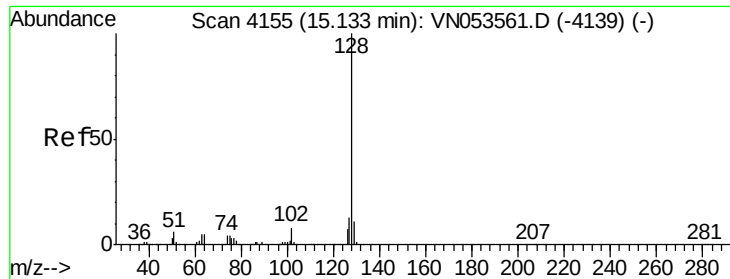
Delta R.T. 0.00 min

Lab File: VN053610.D

Acq: 5 Feb 2019 10:33

Tgt Ion:	225	Resp:	297646
Ion Ratio	Lower	Upper	
225	100		
223	62.3	31.1	93.2
227	64.6	32.0	96.2





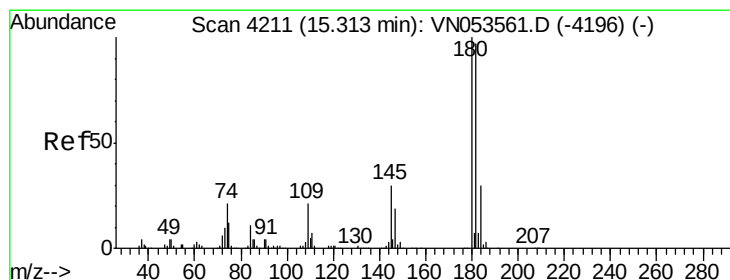
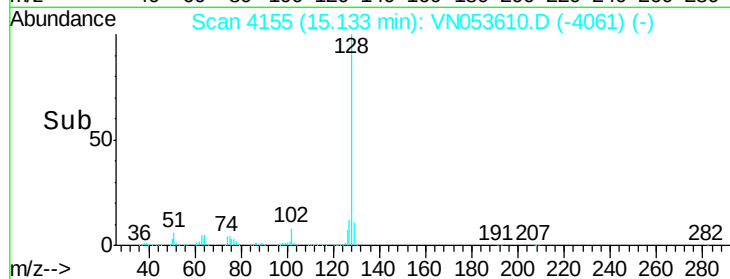
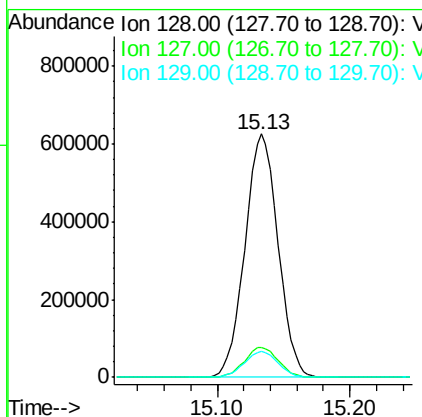
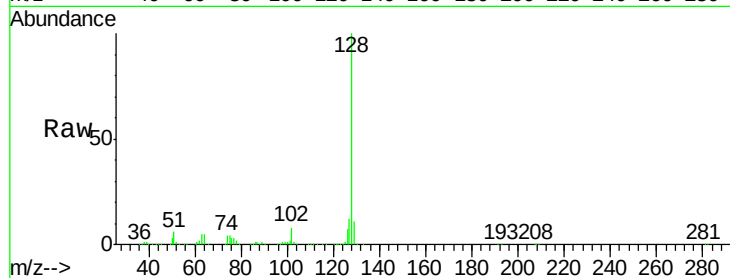
#95
Naphthalene
Concen: 45.477 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/6/2019 12:46:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.071 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053610.D
Acq: 5 Feb 2019 10:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.8
145	29.5	14.7	44.1

