

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055604.D
 Acq On : 17 May 2019 12:05
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN051719

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 9:10:23 AM

Quant Time: May 18 03:18:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	339615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	500672	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	439106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	204771	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	175849	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
35) Dibromofluoromethane	7.59	113	158487	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
50) Toluene-d8	10.09	98	597193	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.40	95	210563	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	123610	47.305	ug/l	99
3) Chloromethane	2.06	50	169026	48.496	ug/l	99
4) Vinyl Chloride	2.18	62	174951	46.356	ug/l	99
5) Bromomethane	2.55	94	116765	48.547	ug/l	99
6) Chloroethane	2.70	64	101812	48.586	ug/l	99
7) Trichlorofluoromethane	3.02	101	233537	48.288	ug/l	99
8) Diethyl Ether	3.41	74	95108	48.953	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	145901	49.484	ug/l	100
10) Methyl Iodide	3.96	142	191021	44.939	ug/l	99
11) Tert butyl alcohol	4.76	59	163040	234.844	ug/l	100
12) 1,1-Dichloroethene	3.74	96	145500	46.912	ug/l	97
13) Acrolein	3.60	56	90156	254.559	ug/l	99
14) Allyl chloride	4.32	41	246075	49.145	ug/l	99
15) Acrylonitrile	4.98	53	374441	242.421	ug/l	100
16) Acetone	3.81	43	383600	252.488	ug/l	100
17) Carbon Disulfide	4.06	76	410250	47.581	ug/l	99
18) Methyl Acetate	4.32	43	158611	48.697	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	484056	47.176	ug/l	98
20) Methylene Chloride	4.55	84	162223	46.788	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	158215	47.886	ug/l	98
22) Diisopropyl ether	5.95	45	468994	47.269	ug/l	98
23) Vinyl Acetate	5.89	43	2049021	243.387	ug/l	100
24) 1,1-Dichloroethane	5.85	63	279139	47.982	ug/l	100
25) 2-Butanone	6.83	43	523371	246.376	ug/l	100
26) 2,2-Dichloropropane	6.82	77	249993	48.418	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	182651	47.474	ug/l	99
28) Bromochloromethane	7.19	49	125809	49.708	ug/l	97
29) Tetrahydrofuran	7.20	42	326797	232.206	ug/l	99
30) Chloroform	7.37	83	277993	46.552	ug/l	99
31) Cyclohexane	7.65	56	261056	47.281	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	248162	46.332	ug/l	99
36) 1,1-Dichloropropene	7.79	75	217084	48.632	ug/l	99
37) Ethyl Acetate	6.92	43	203054	50.410	ug/l	99
38) Carbon Tetrachloride	7.77	117	226751	47.537	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	272076	50.562	ug/l	99
40) Benzene	8.04	78	643626	49.022	ug/l	99
41) Methacrylonitrile	7.18	41	102843m	59.718	ug/l	
42) 1,2-Dichloroethane	8.12	62	213011	50.102	ug/l	100
43) Isopropyl Acetate	8.16	43	342136	48.830	ug/l	100
44) Trichloroethene	8.83	130	185852	50.166	ug/l	98
45) 1,2-Dichloropropane	9.12	63	168477	48.710	ug/l	99
46) Dibromomethane	9.21	93	111402	49.210	ug/l	99
47) Bromodichloromethane	9.40	83	228237	48.105	ug/l	100
48) Methyl methacrylate	9.20	41	157934	50.429	ug/l	98
49) 1,4-Dioxane	9.20	88	60965	979.661	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	999598	243.210	ug/l	100
52) Toluene	10.16	92	406785	49.397	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	260643	51.041	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	283105	50.606	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	163542	48.240	ug/l	98
56) Ethyl methacrylate	10.43	69	257507	48.658	ug/l	99
57) 1,3-Dichloropropane	10.71	76	267709	49.858	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	580551	258.176	ug/l	100
59) 2-Hexanone	10.75	43	730341	252.393	ug/l	99
60) Dibromochloromethane	10.90	129	191952	49.957	ug/l	100
61) 1,2-Dibromoethane	11.00	107	167425	49.357	ug/l	98
64) Tetrachloroethene	10.63	164	166856	48.177	ug/l	98
65) Chlorobenzene	11.43	112	436810	49.183	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	172367	48.242	ug/l	99
67) Ethyl Benzene	11.51	91	779218	49.250	ug/l	100
68) m/p-Xylenes	11.62	106	591865	99.060	ug/l	100
69) o-Xylene	11.95	106	288266	49.328	ug/l	100
70) Styrene	11.96	104	492697	50.706	ug/l	99
71) Bromoform	12.13	173	151240	49.949	ug/l #	99
73) Isopropylbenzene	12.25	105	768655	53.668	ug/l	100
74) N-amyl acetate	12.07	43	288982	50.259	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	229276	51.013	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	187080m	44.773	ug/l	
77) Bromobenzene	12.53	156	198673	47.242	ug/l	98
78) n-propylbenzene	12.59	91	860628	47.328	ug/l	100
79) 2-Chlorotoluene	12.67	91	509215	52.405	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	657209	53.688	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	78575	48.340	ug/l	98
82) 4-Chlorotoluene	12.77	91	510852	47.680	ug/l	99
83) tert-Butylbenzene	12.99	119	562535	54.211	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	654792	53.546	ug/l	99
85) sec-Butylbenzene	13.17	105	736338	53.956	ug/l	100
86) p-Isopropyltoluene	13.29	119	688160	54.135	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	342942	49.321	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	332805	50.128	ug/l	99
89) n-Butylbenzene	13.61	91	568557	50.599	ug/l	99
90) Hexachloroethane	13.87	117	130524	53.761	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	335555	48.411	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43614	46.932	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	189683	53.762	ug/l	100
94) Hexachlorobutadiene	15.01	225	127336	60.403	ug/l	99
95) Naphthalene	15.13	128	493659	46.489	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	190335	51.594	ug/l	99

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

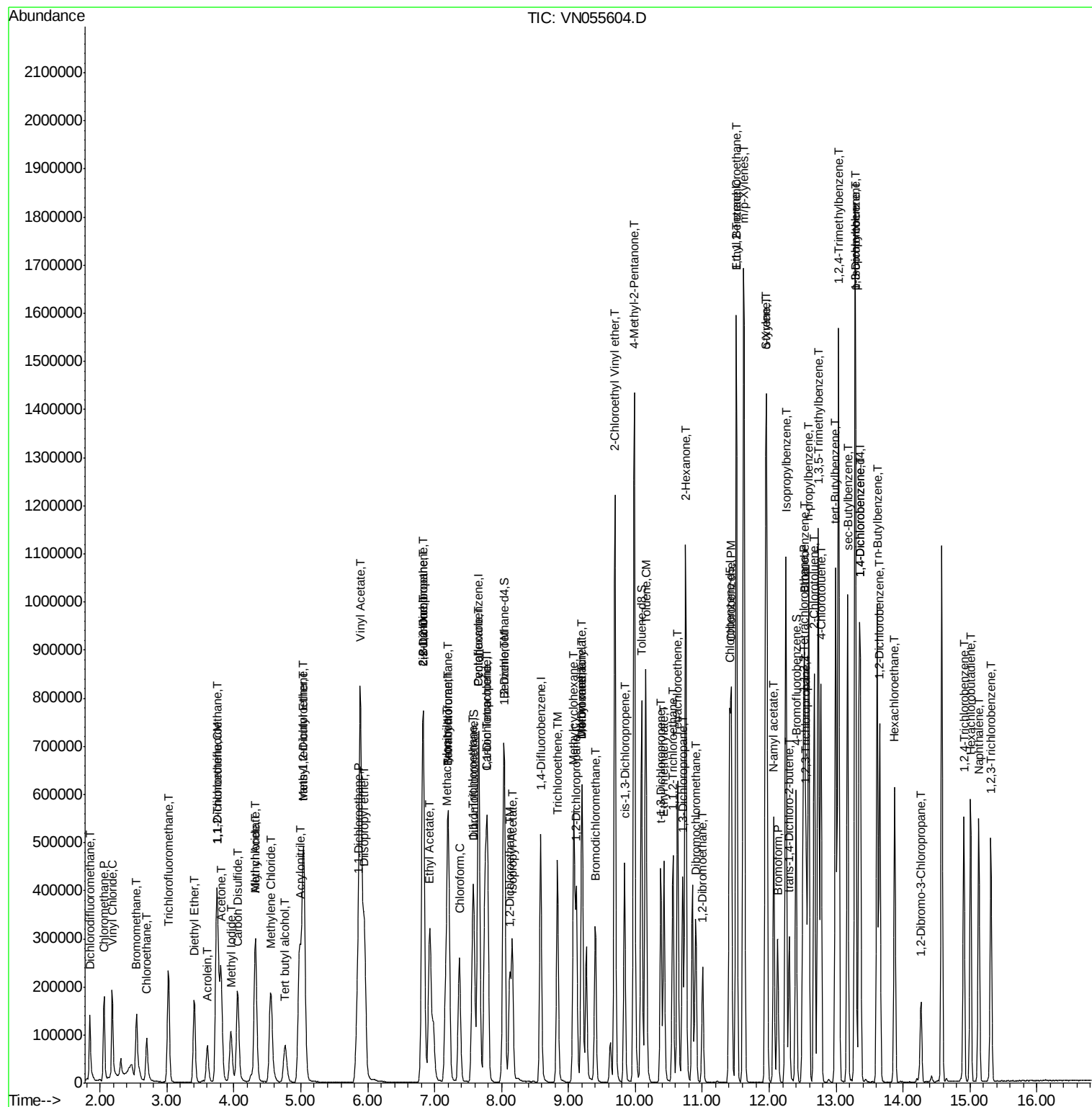
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
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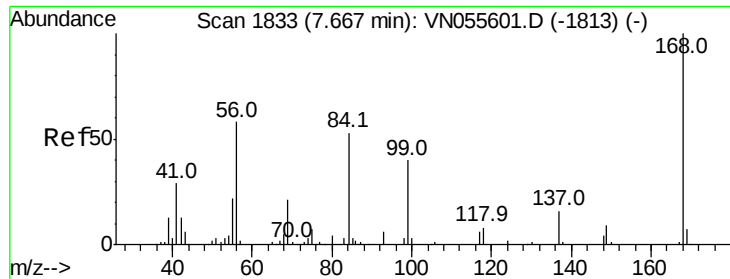
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051719

Tot Ion:168 Resp: 339615

Ion Ratio Lower Upper

168 100

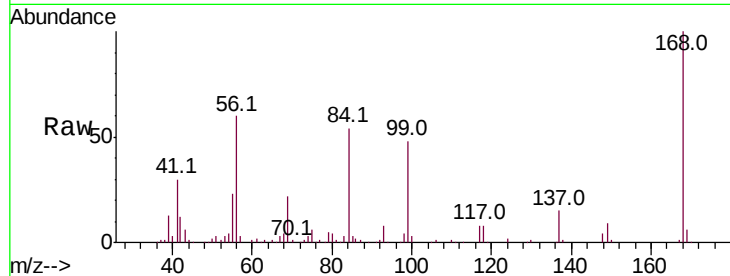
99 47.6 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

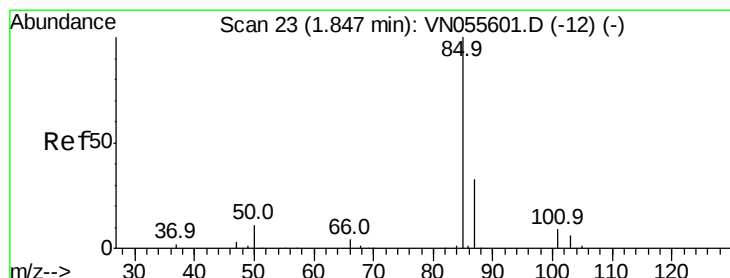
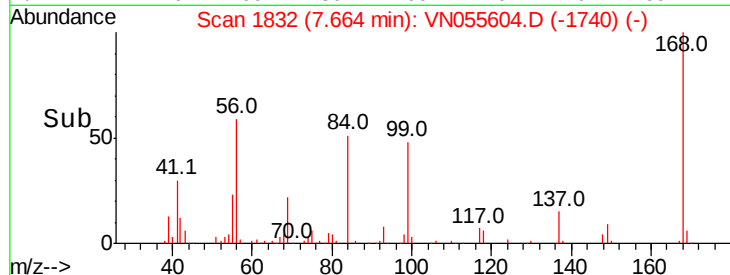
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.305 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055604.D

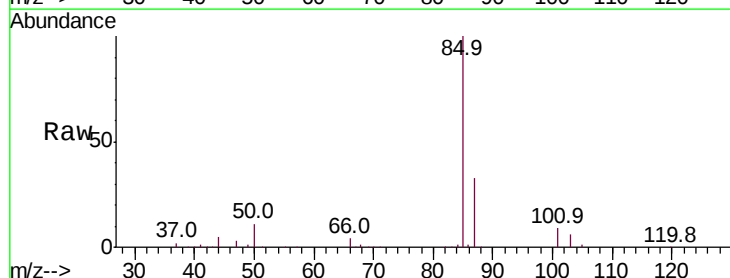
Acq: 17 May 2019 12:05

Tgt Ion: 85 Resp: 123610

Ion Ratio Lower Upper

85 100

87 32.6 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

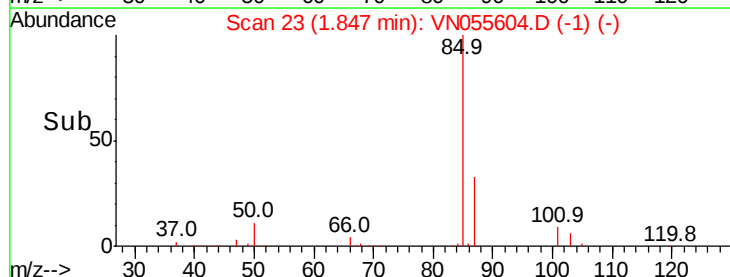
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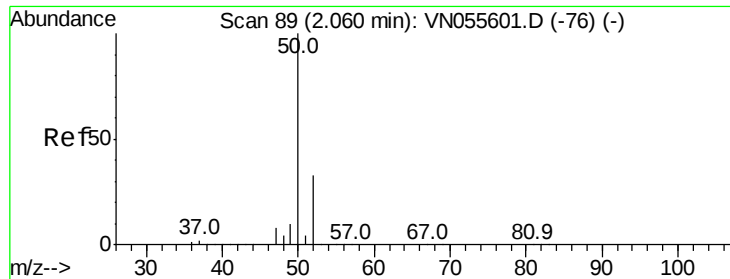
40000

20000

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Time-->





#3

Chloromethane

Concen: 48.496 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051719

Tot Ion: 50 Resp: 169026

Ion Ratio Lower Upper

50 100

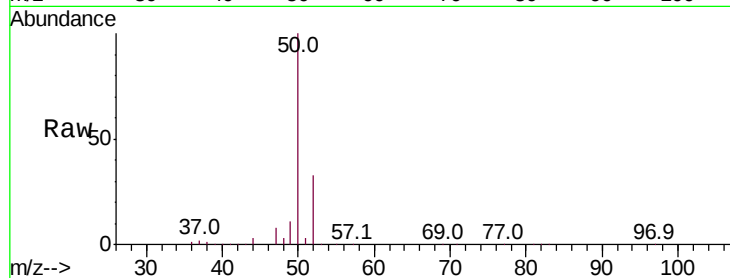
52 32.8 26.7 40.1

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

120000

100000

80000

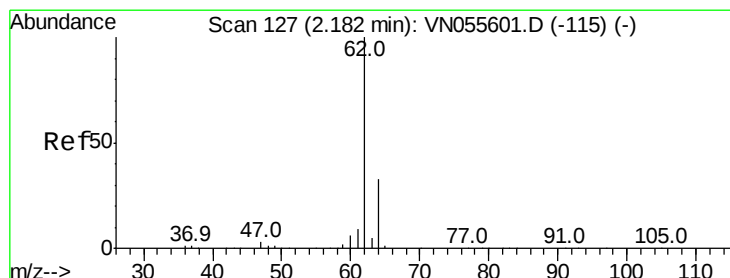
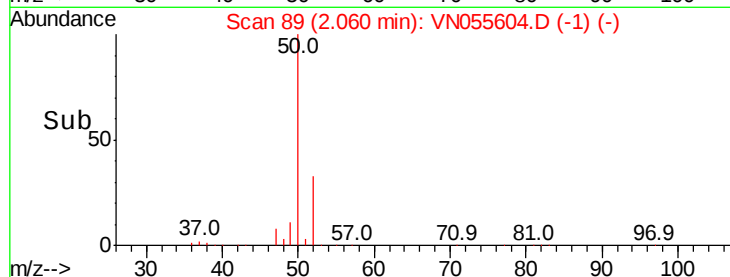
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40000

20000

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Time-->



#4

Vinyl Chloride

Concen: 46.356 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN055604.D

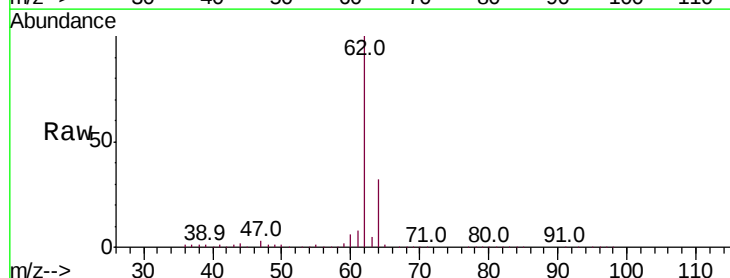
Acq: 17 May 2019 12:05

Tgt Ion: 62 Resp: 174951

Ion Ratio Lower Upper

62 100

64 32.5 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

120000

100000

80000

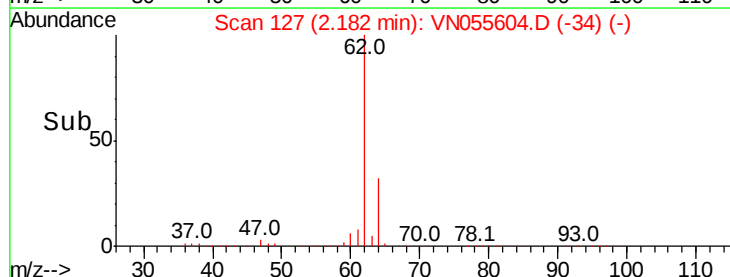
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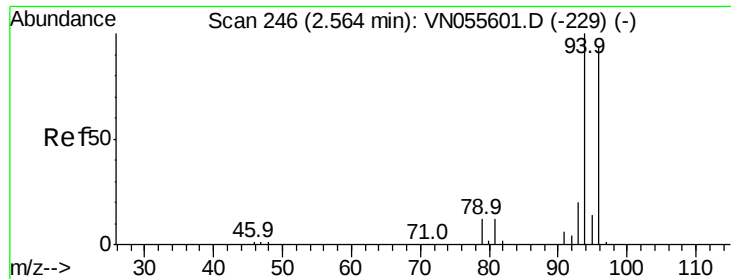
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20000

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Time-->





#5

Bromomethane

Concen: 48.547 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.02 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

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Tot Ion: 94 Resp: 116765

Ion Ratio Lower Upper

94 100

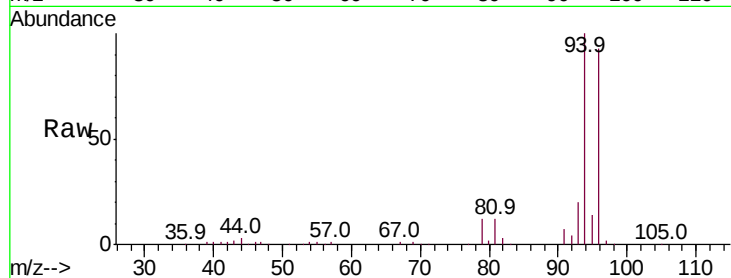
96 93.1 75.2 112.8

Manual Integrations

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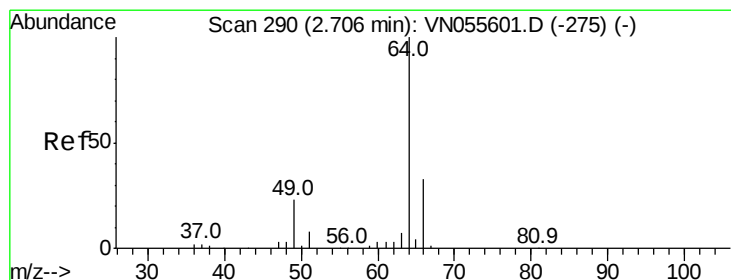
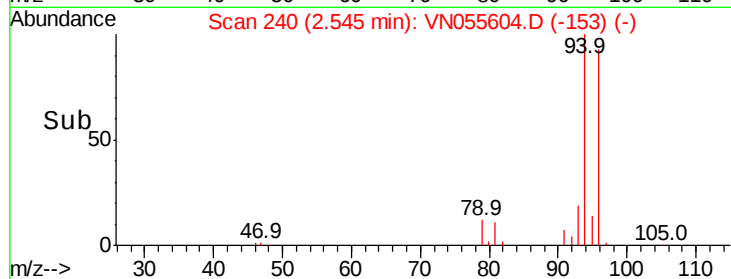
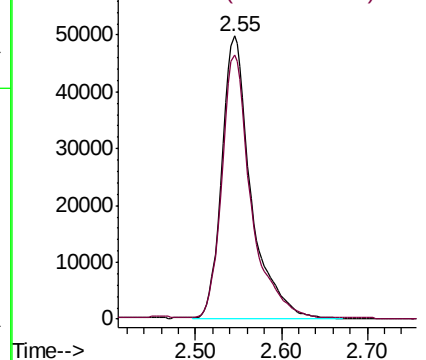
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5/20/2019 9:10:23 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.586 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN055604.D

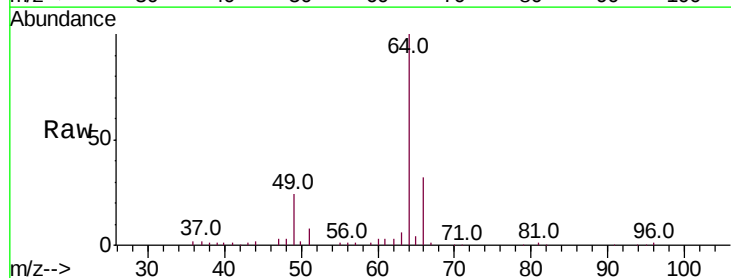
Acq: 17 May 2019 12:05

Tgt Ion: 64 Resp: 101812

Ion Ratio Lower Upper

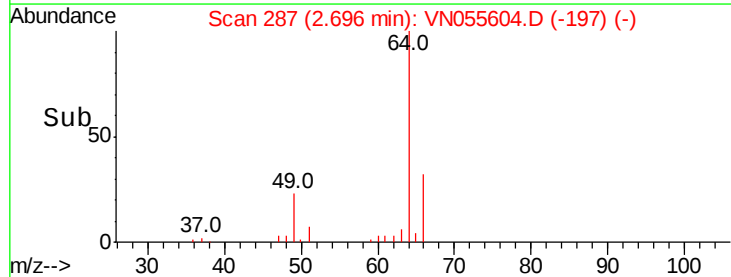
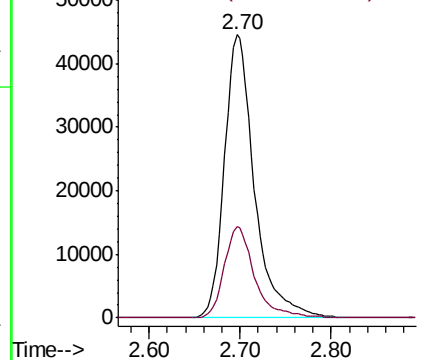
64 100

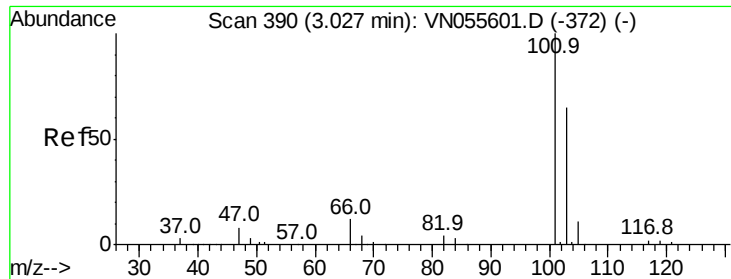
66 32.1 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

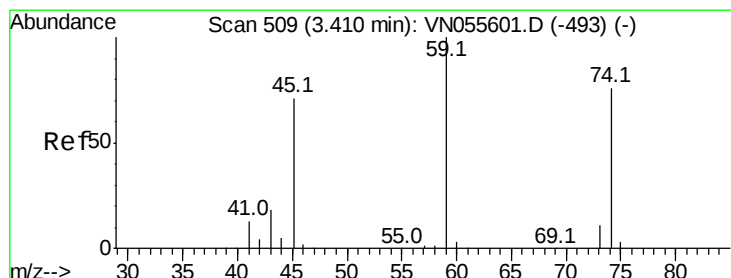
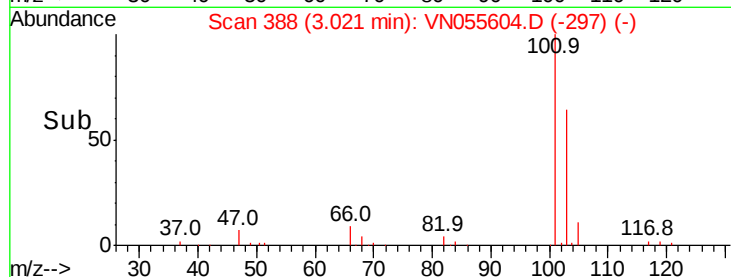
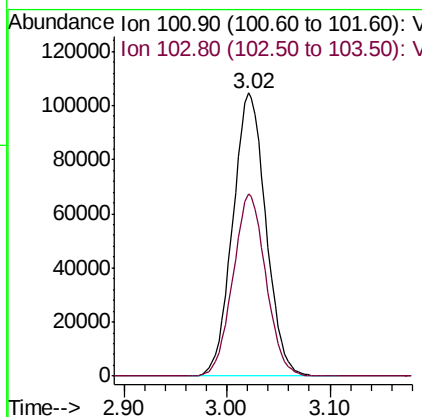
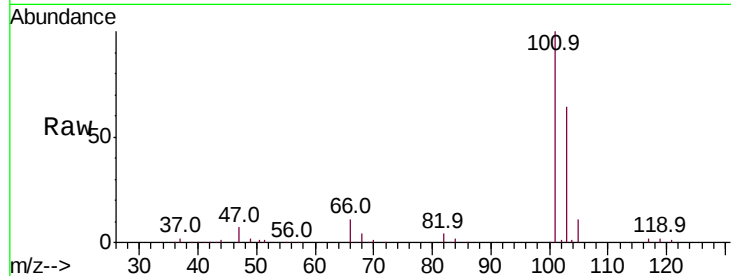
Trichlorofluoromethane
Concen: 48.288 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.01 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.3	78.5

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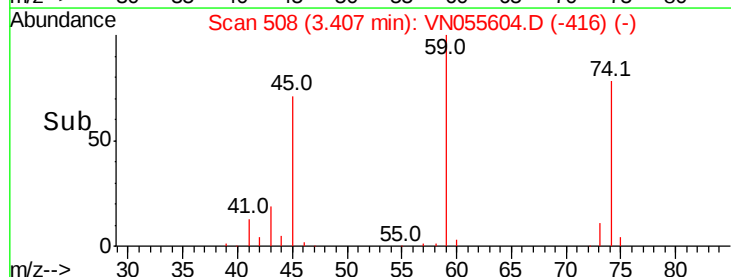
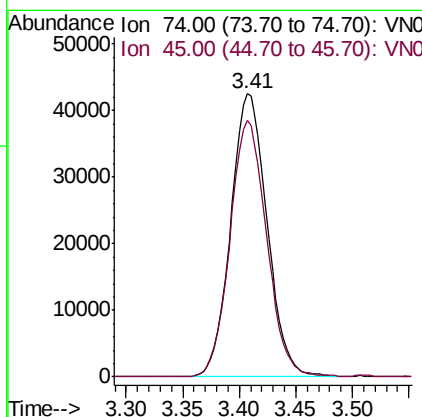
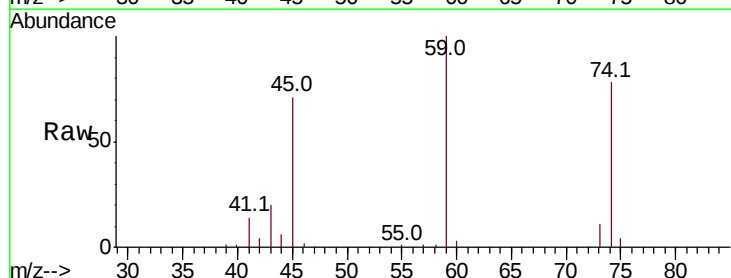
MMDadoda
5/20/2019 9:10:23 AM

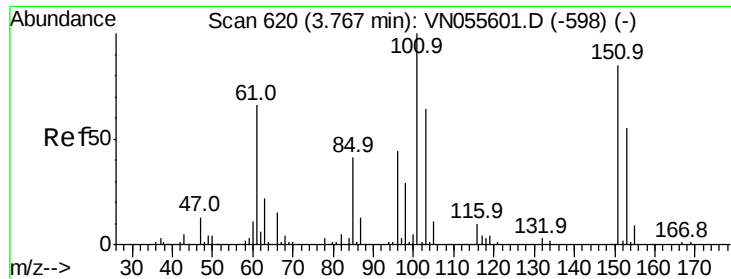


#8

Diethyl Ether
Concen: 48.953 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN055604.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.5	46.4	139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.484 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.01 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

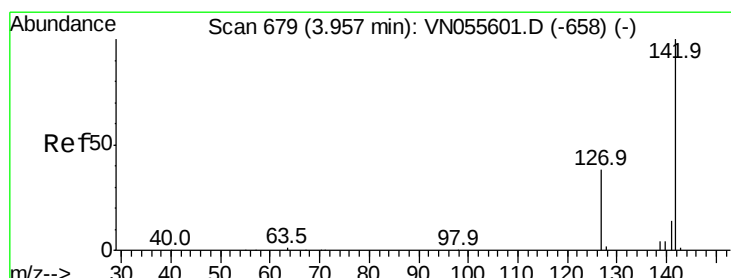
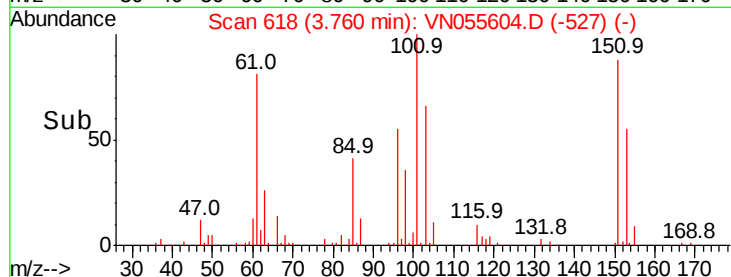
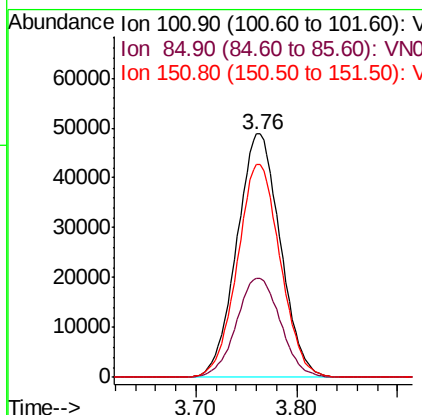
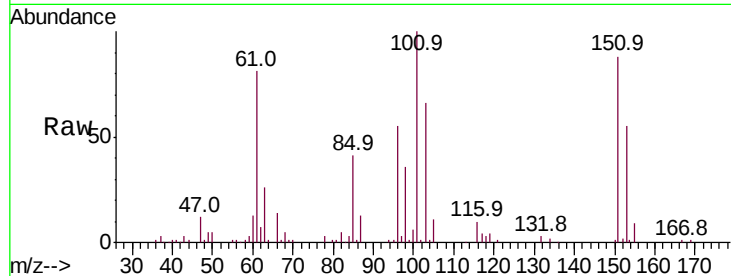
ClientSampleId :

ICVVN051719

Tot Ion:	101	Resp:	145901
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.4	50.0
151	86.5	69.3	103.9

Manual Integrations
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#10

Methyl Iodide

Concen: 44.939 ug/l

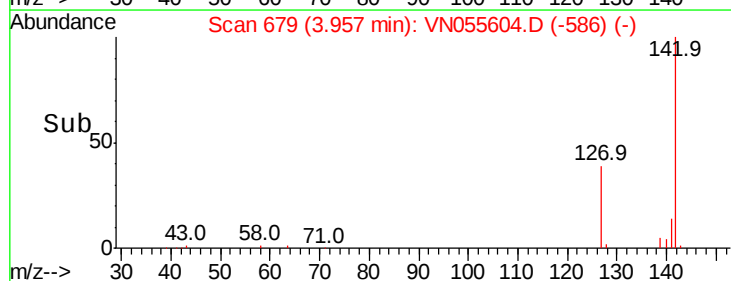
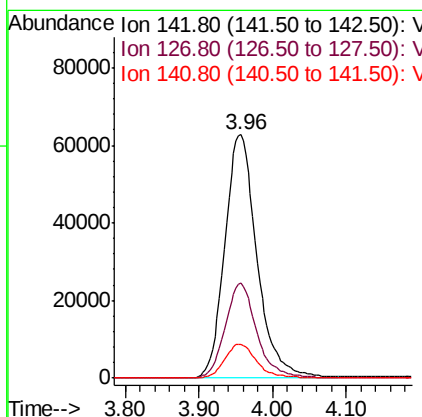
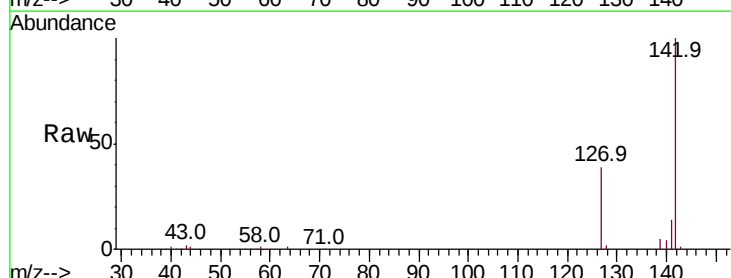
RT: 3.96 min Scan# 679

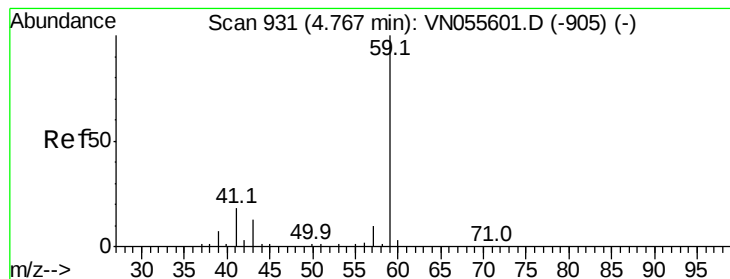
Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Tgt Ion:	142	Resp:	191021
Ion Ratio	Lower	Upper	
142	100		
127	38.1	31.0	46.4
141	13.8	11.5	17.3





#11

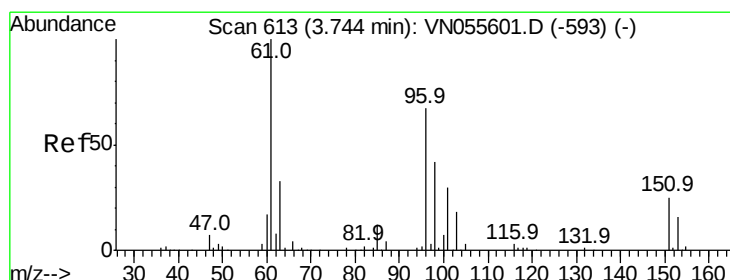
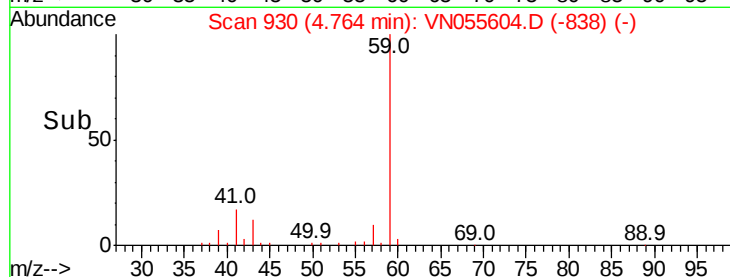
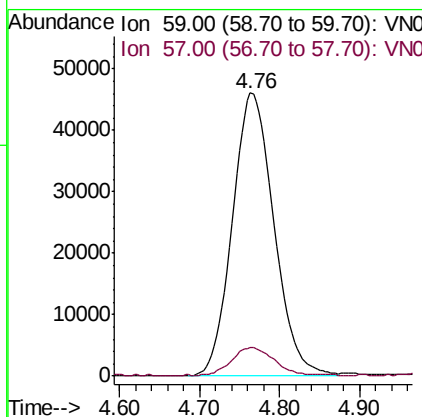
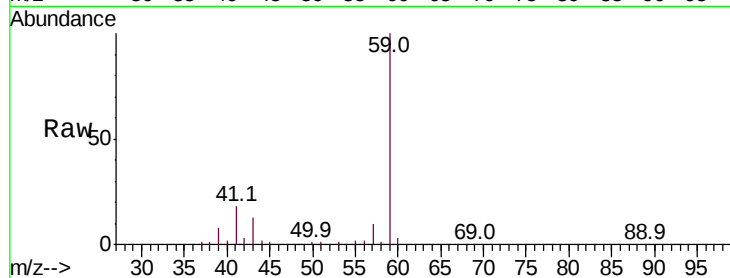
Tert butyl alcohol
 Concen: 234.844 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VN055604.D
 Acq: 17 May 2019 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051719

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.6

Manual Integrations
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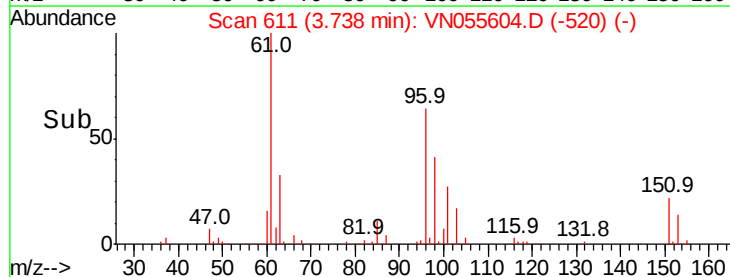
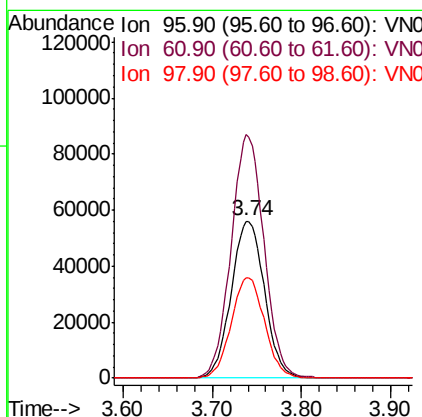
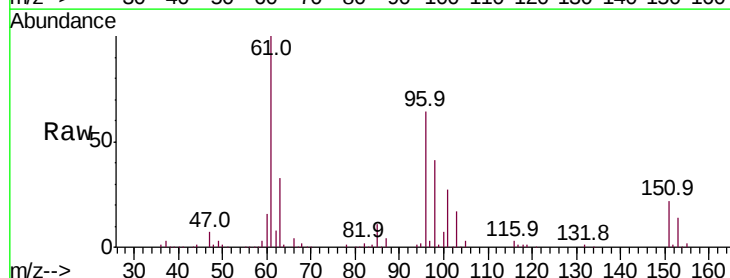
MMDadoda
 5/20/2019 9:10:23 AM

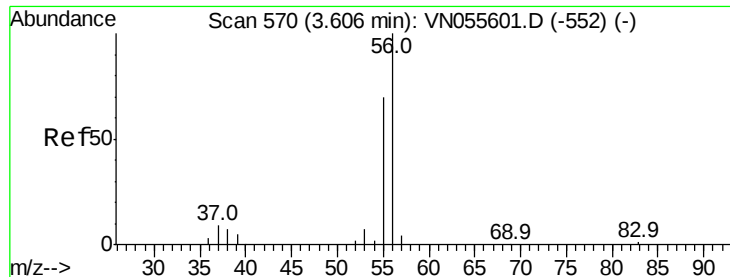


#12

1,1-Dichloroethene
 Concen: 46.912 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VN055604.D
 Acq: 17 May 2019 12:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.1	120.2	180.2
98	64.2	50.6	75.8





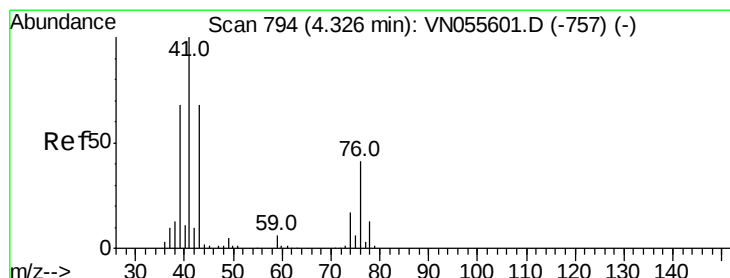
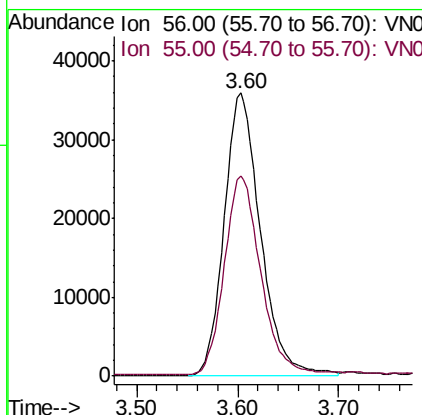
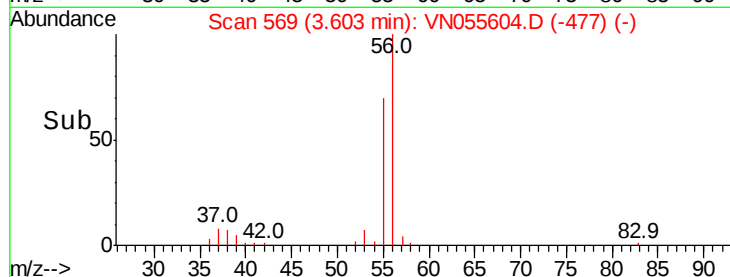
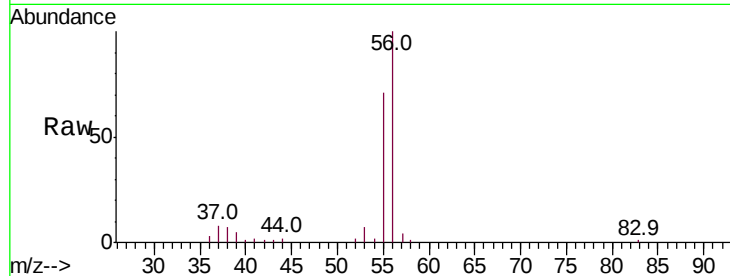
#13
Acrolein
Concen: 254.559 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051719

Tot Ion	56	Resp	90156
Ion Ratio	100	Lower	Upper
56	100		
55	69.8	56.5	84.7

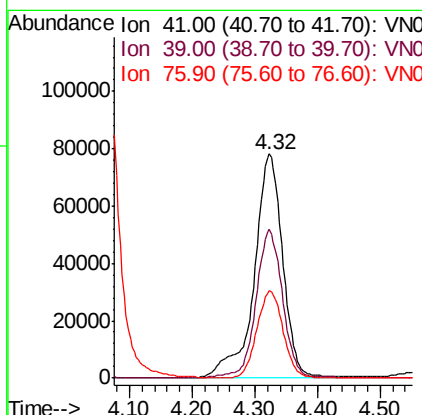
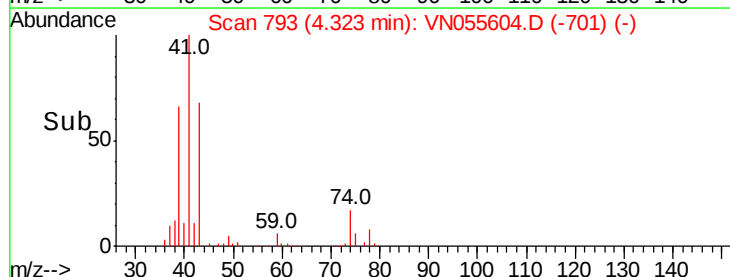
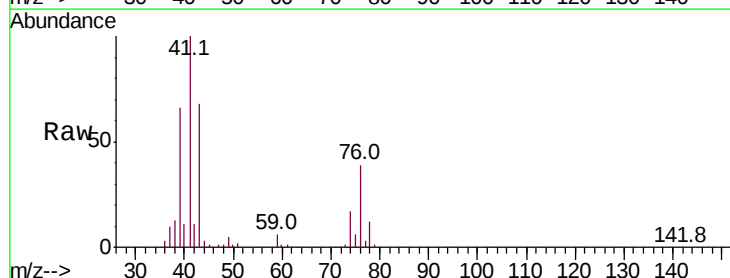
Manual Integrations
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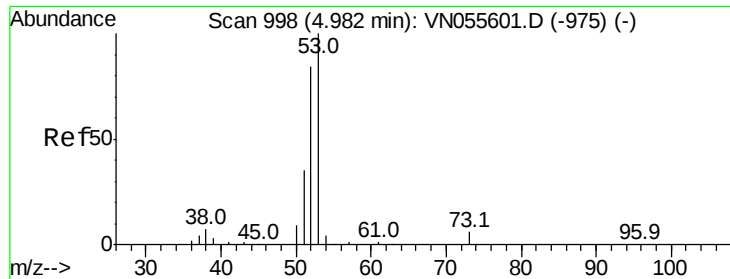
MMDadoda
5/20/2019 9:10:23 AM



#14
Allyl chloride
Concen: 49.145 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Tgt Ion	41	Resp	246075
Ion Ratio	100	Lower	Upper
41	100		
39	62.3	50.5	75.7
76	36.0	29.2	43.8





#15

Acrylonitrile

Concen: 242.421 ug/l

RT: 4.98 min Scan# 997

Delta R.T. -0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

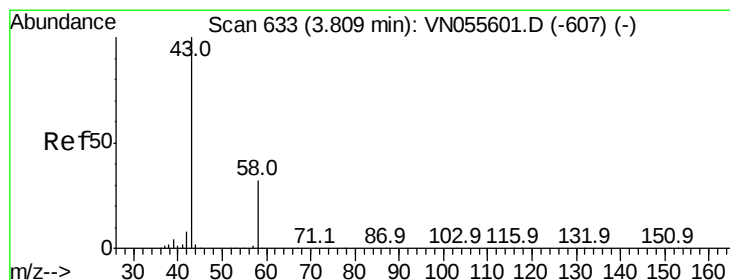
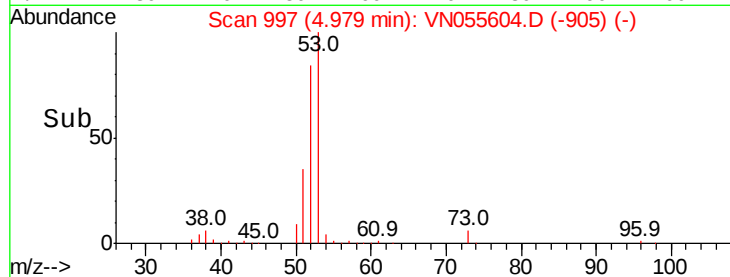
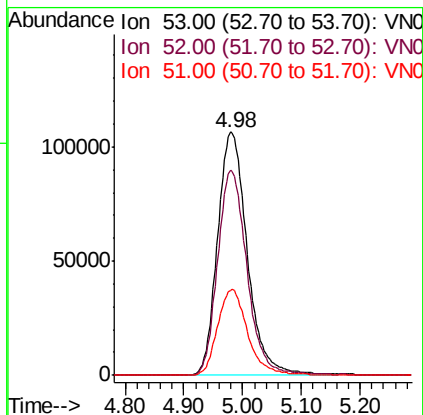
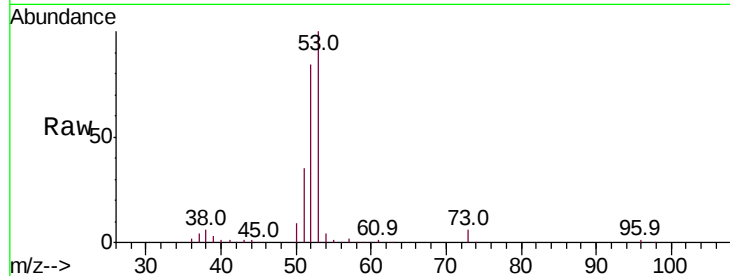
ClientSampled :

ICVVN051719

Tot Ion:	53	Resp:	374441
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.2	99.4
51	35.8	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 252.488 ug/l

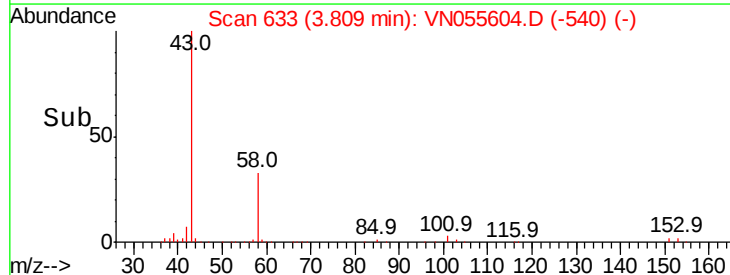
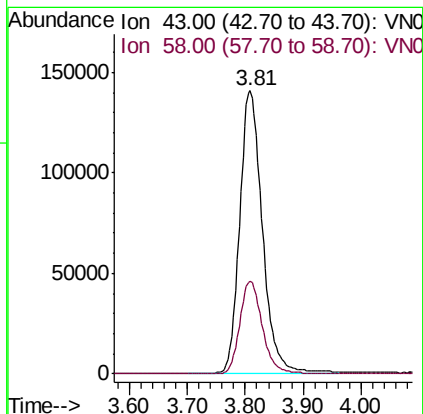
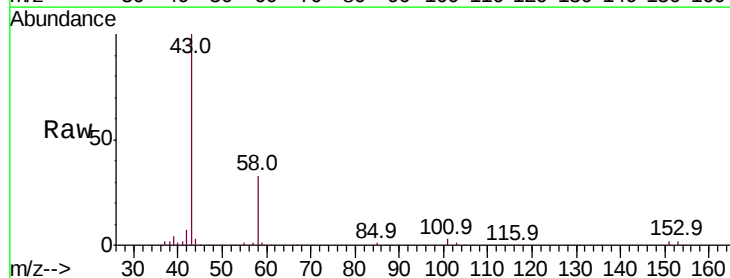
RT: 3.81 min Scan# 633

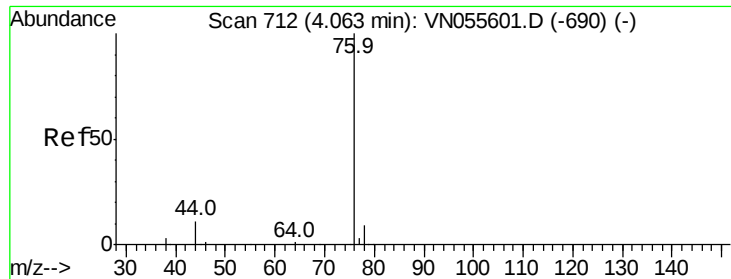
Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Tgt Ion:	43	Resp:	383600
Ion Ratio	Lower	Upper	
43	100		
58	32.8	26.0	39.0





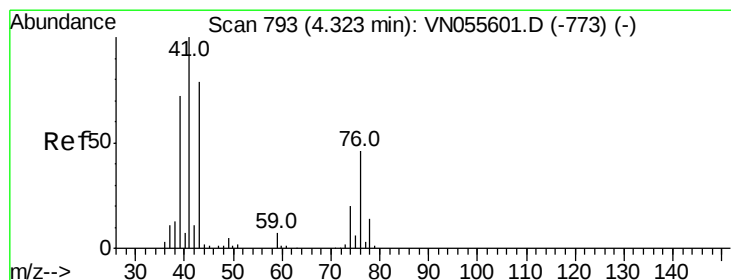
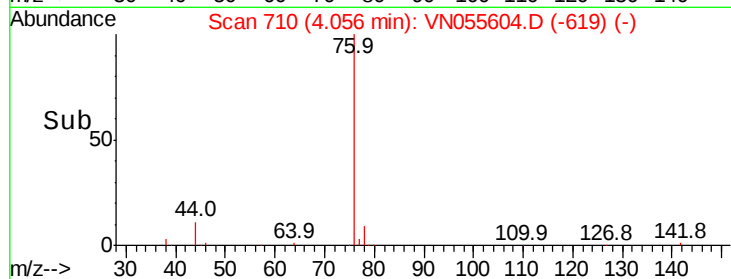
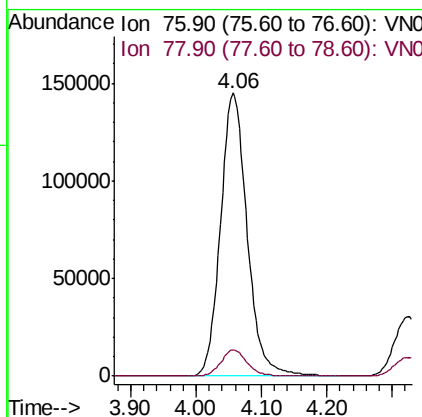
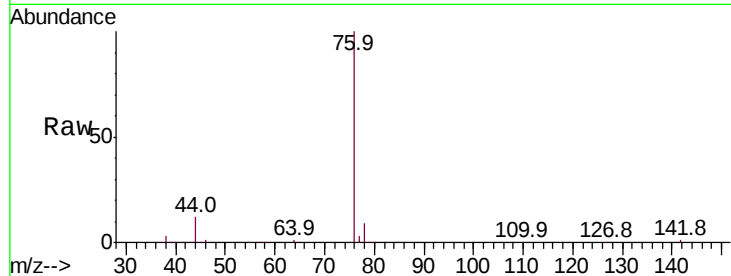
#17
Carbon Disulfide
Concen: 47.581 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.01 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051719

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

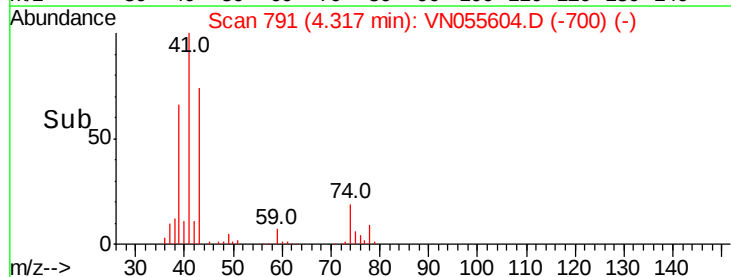
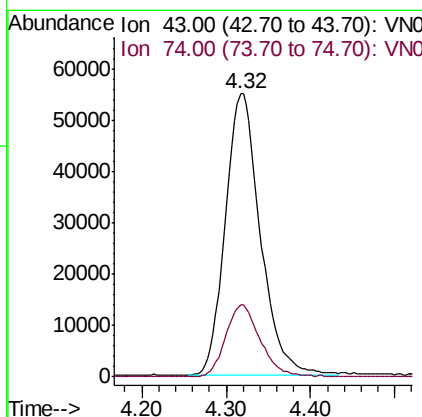
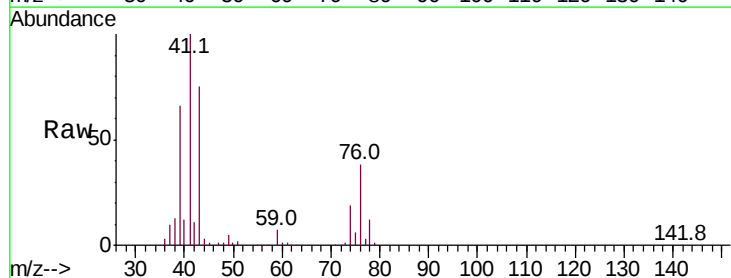
Manual Integrations
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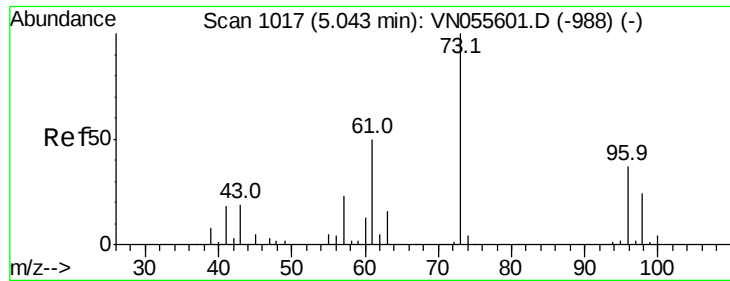
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#18
Methyl Acetate
Concen: 48.697 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.01 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.9	29.9





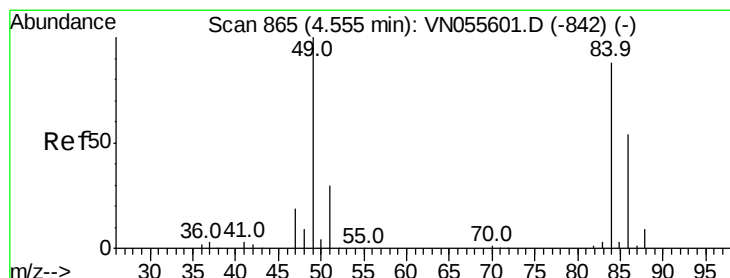
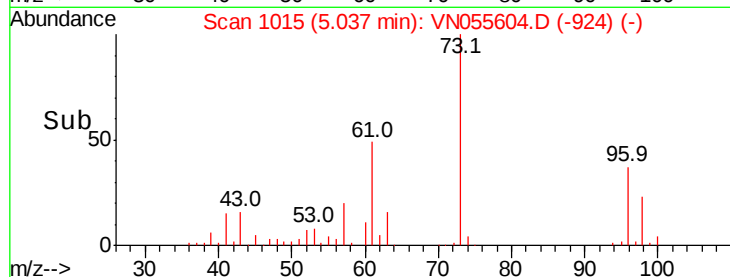
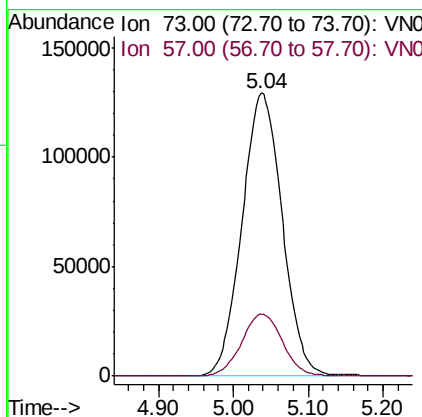
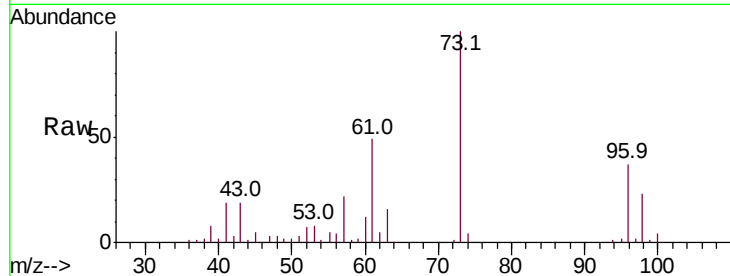
#19
Methyl tert-butyl Ether
Concen: 47.176 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Instrument :
MSVOA_N
ClientSampled :
ICVVN051719

Tot Ion: 73 Resp: 484056
Ion Ratio Lower Upper
73 100
57 21.9 18.2 27.2

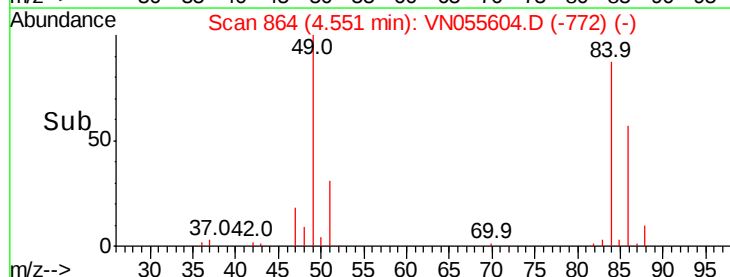
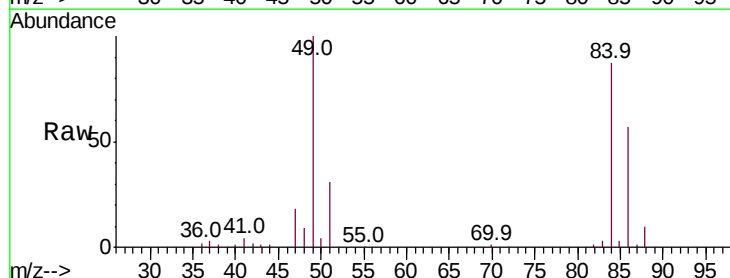
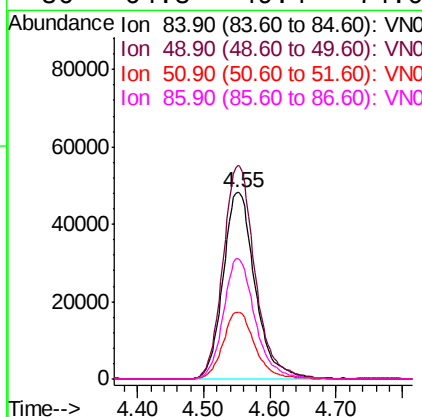
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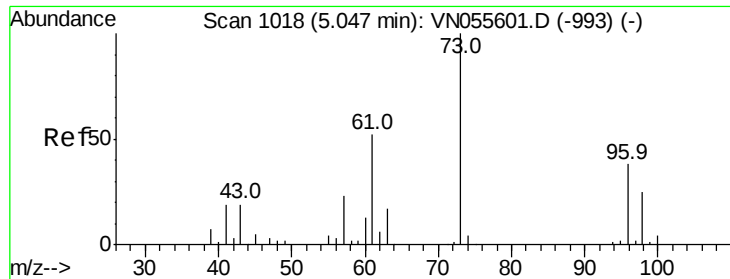
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#20
Methylene Chloride
Concen: 46.788 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Tgt Ion: 84 Resp: 162223
Ion Ratio Lower Upper
84 100
49 114.5 91.0 136.4
51 35.7 27.5 41.3
86 64.8 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 47.886 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

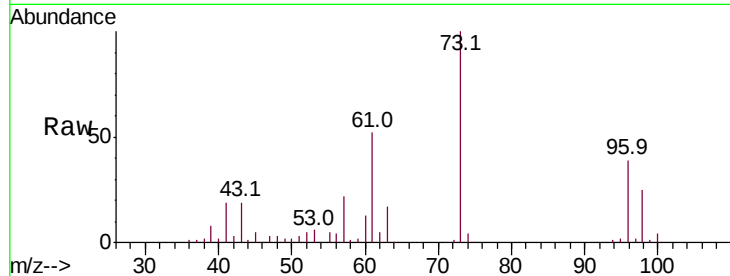
ClientSampleId :

ICVVN051719

Tot Ion:	96	Resp:	158215
Ion	Ratio	Lower	Upper
96	100		
61	132.1	108.6	162.8
98	63.7	51.4	77.0

Manual Integrations
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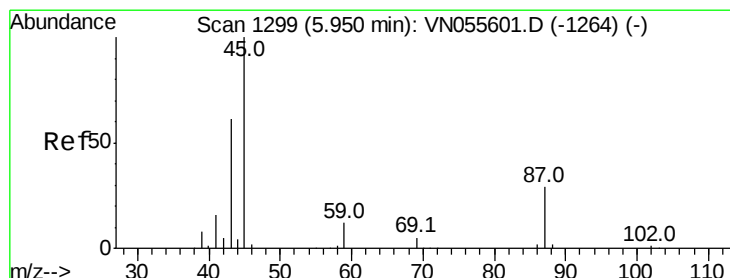
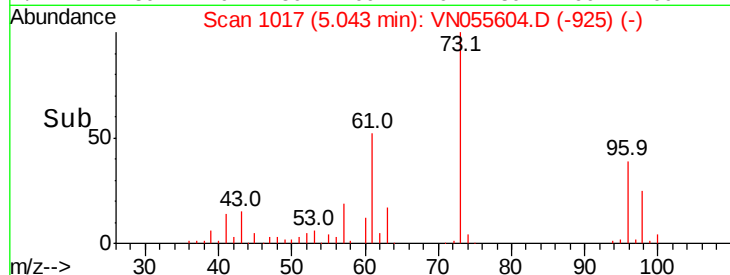
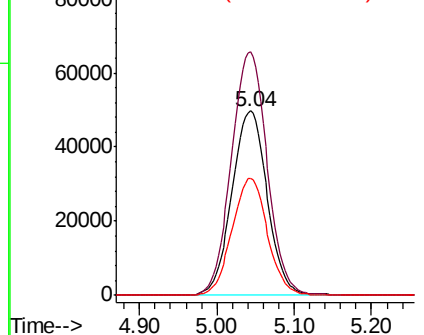


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 47.269 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Tgt Ion:	45	Resp:	468994
Ion	Ratio	Lower	Upper
45	100		
43	61.1	50.4	75.6
87	29.9	23.8	35.6
59	11.6	9.5	14.3

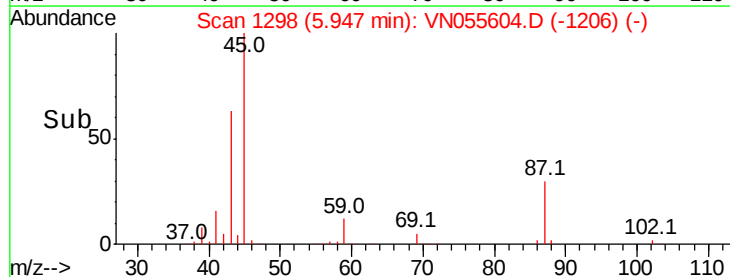
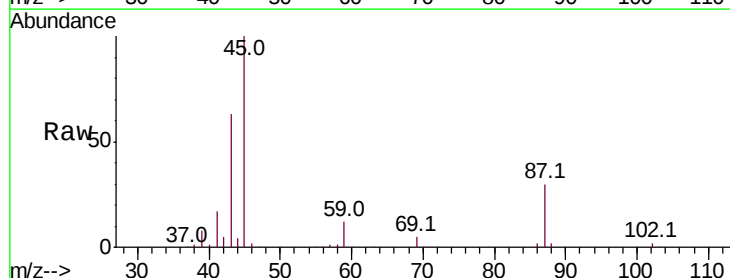
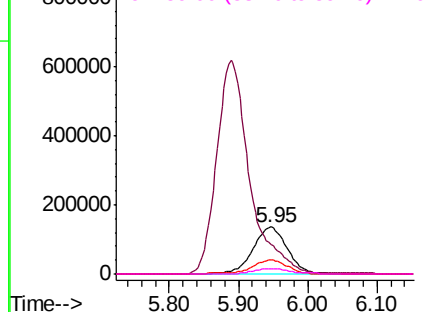
Abundance

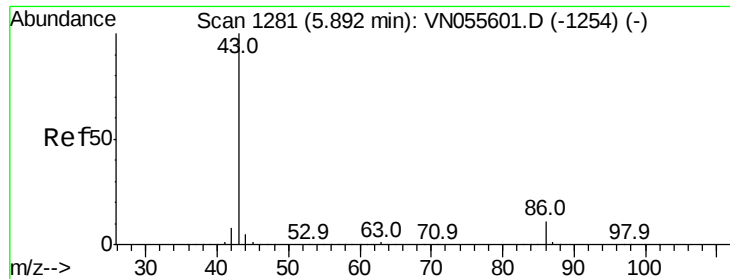
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 243.387 ug/l

RT: 5.89 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051719

Tot Ion: 43 Resp: 2049021

Ion Ratio Lower Upper

43 100

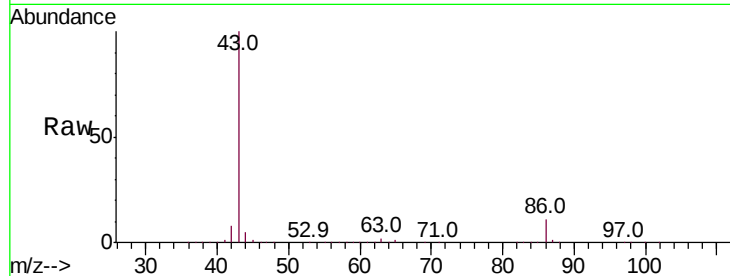
86 11.0 8.7 13.1

Manual Integrations

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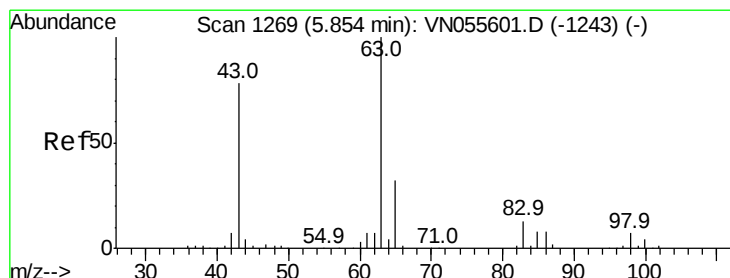
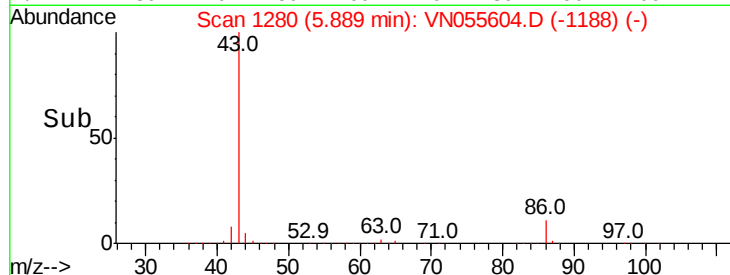
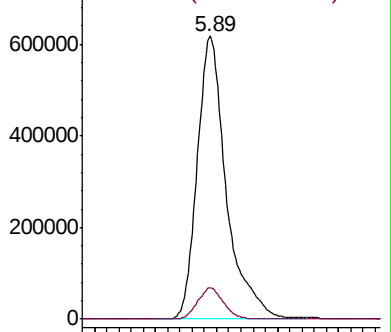
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.982 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

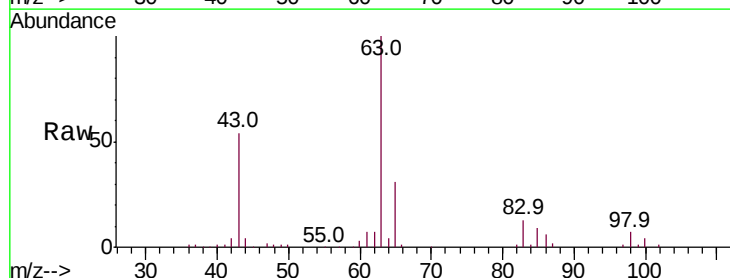
Tgt Ion: 63 Resp: 279139

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

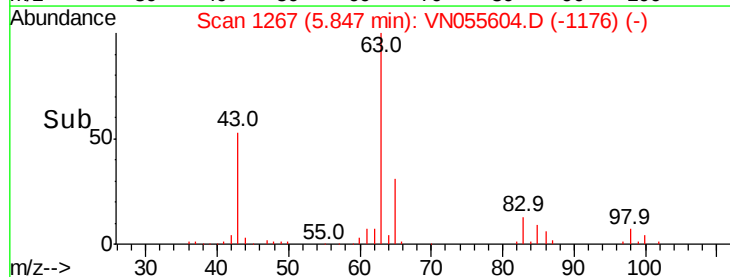
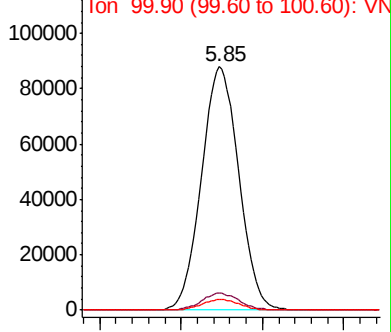
100 4.5 2.2 6.6

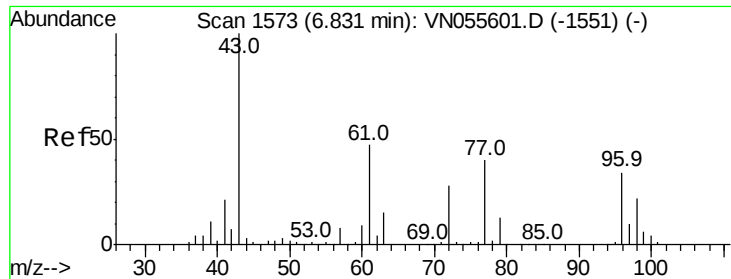


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





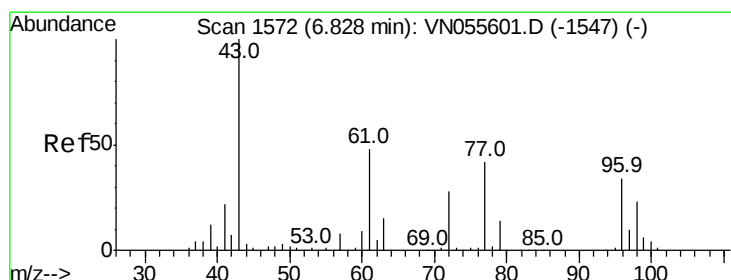
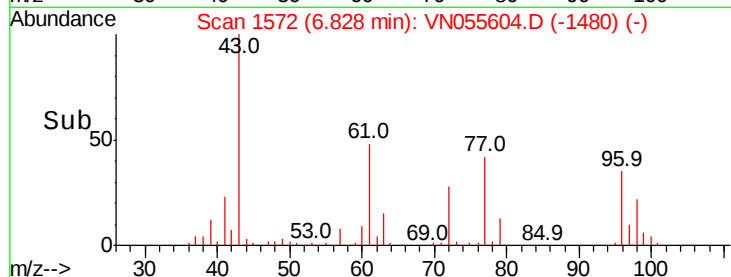
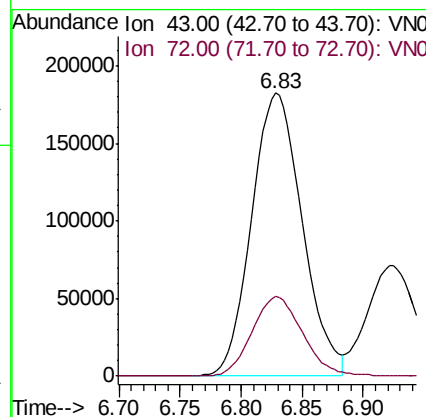
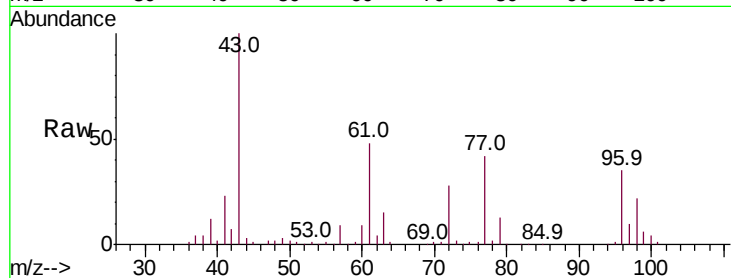
#25
2-Butanone
Concen: 246.376 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051719

Tot Ion: 43 Resp: 523371
Ion Ratio Lower Upper
43 100
72 28.1 22.3 33.5

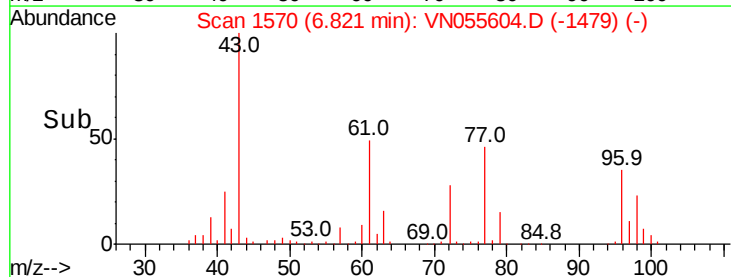
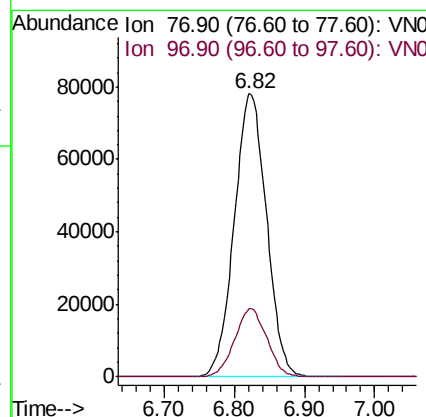
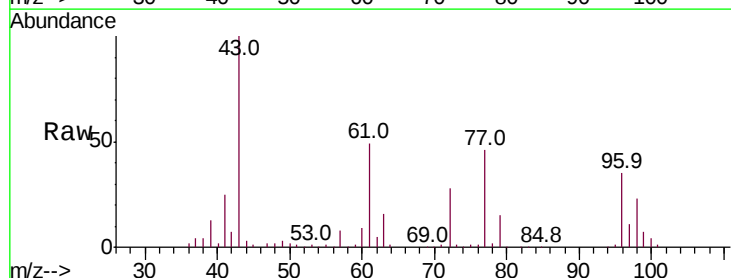
Manual Integrations
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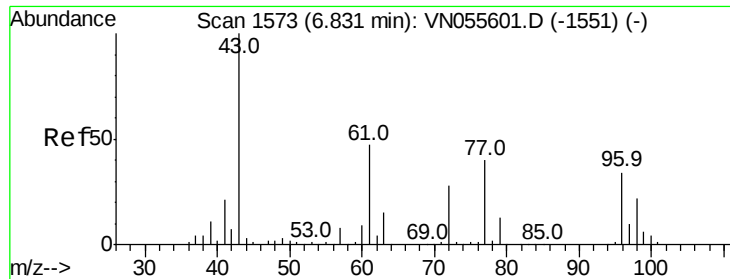
MMDadoda
5/20/2019 9:10:23 AM



#26
2,2-Dichloropropane
Concen: 48.418 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Tgt Ion: 77 Resp: 249993
Ion Ratio Lower Upper
77 100
97 24.0 12.0 36.0





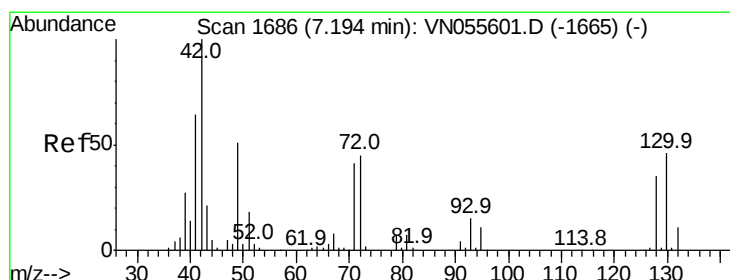
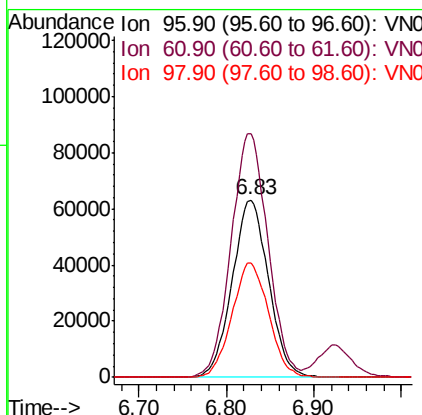
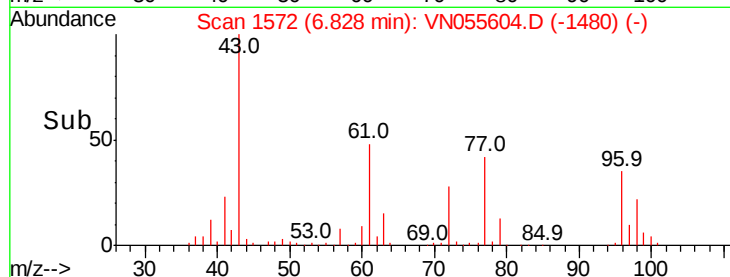
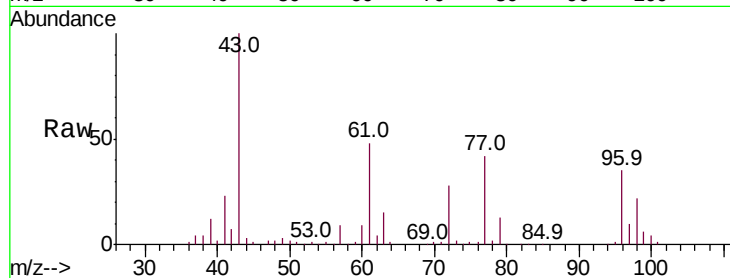
#27
 cis-1,2-Dichloroethene
 Concen: 47.474 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN055604.D
 Acq: 17 May 2019 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051719

Tot Ion	96	Resp	182651
Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	279.0
98	65.0	0.0	131.6

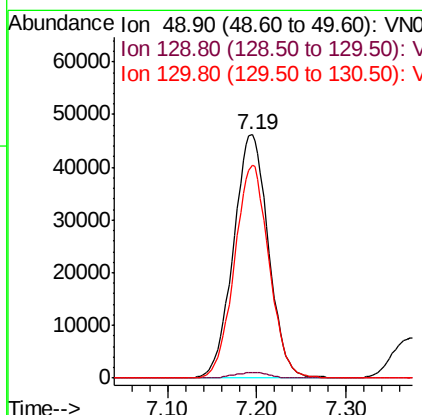
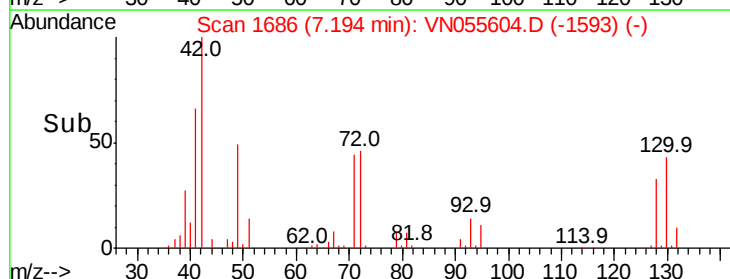
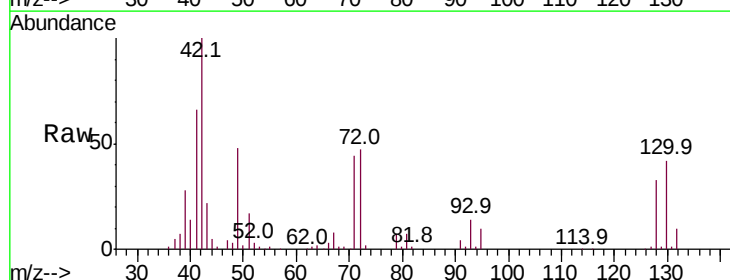
Manual Integrations
 APPROVED

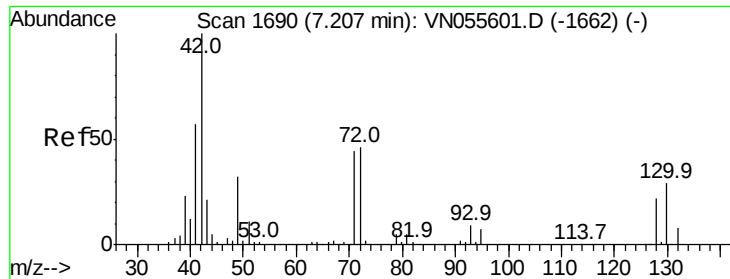
MMDadoda
 5/20/2019 9:10:23 AM



#28
 Bromochloromethane
 Concen: 49.708 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055604.D
 Acq: 17 May 2019 12:05

Tgt Ion	49	Resp	125809
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	86.4	71.0	106.6





#29

Tetrahydrofuran

Concen: 232.206 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

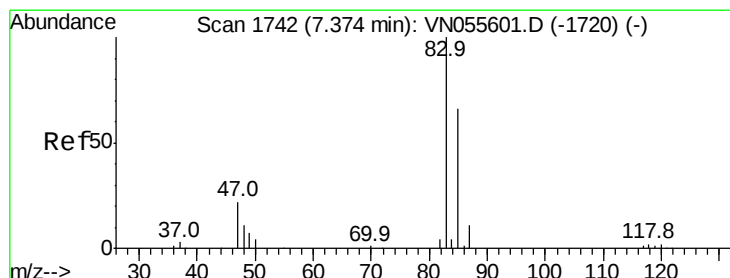
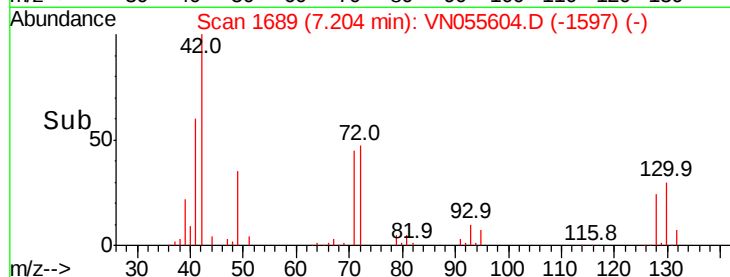
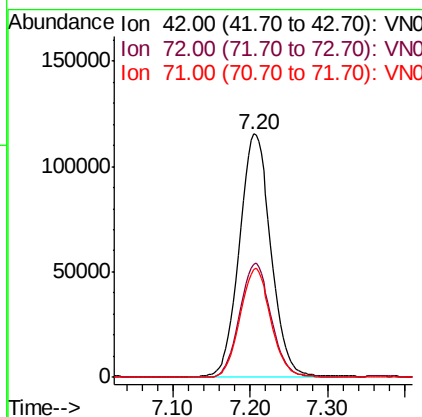
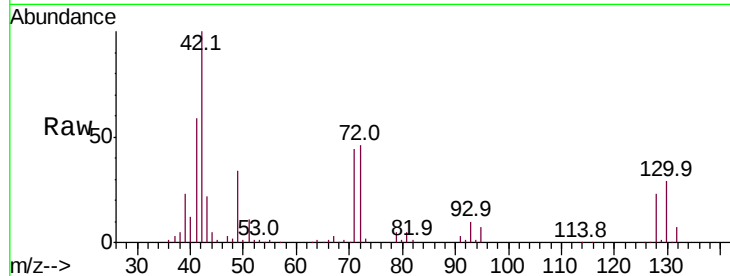
ClientSampleId :

ICVVN051719

Tot Ion:	42	Resp:	326797
Ion Ratio	Lower	Upper	
42	100		
72	46.7	36.5	54.7
71	44.0	34.9	52.3

Manual Integrations
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MMDadoda
5/20/2019 9:10:23 AM



#30

Chloroform

Concen: 46.552 ug/l

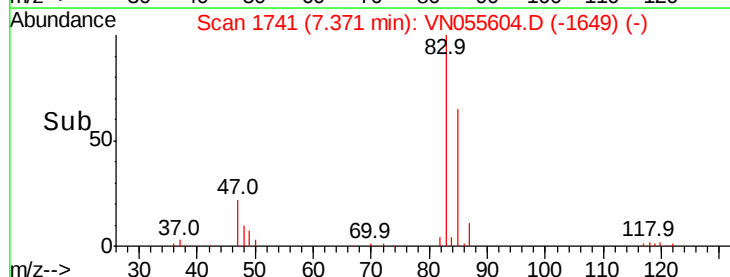
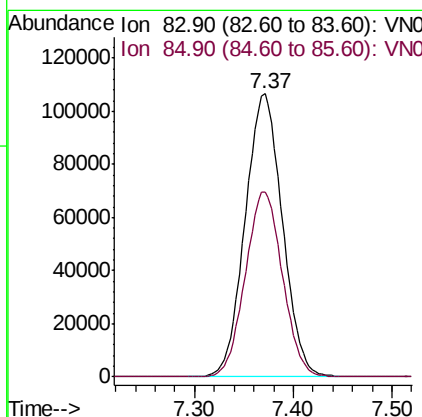
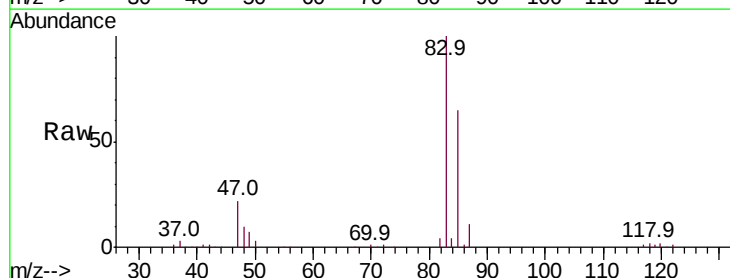
RT: 7.37 min Scan# 1741

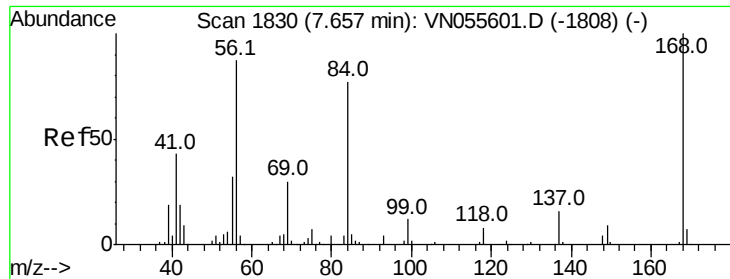
Delta R.T. -0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Tgt Ion:	83	Resp:	277993
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.6	78.8





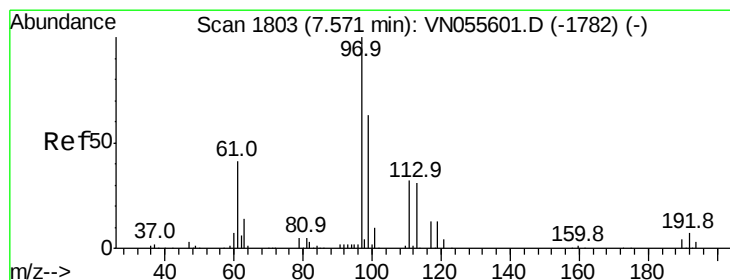
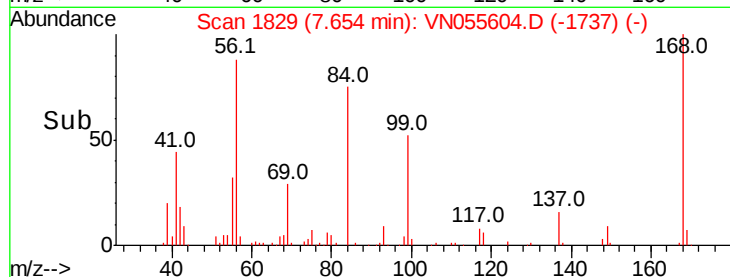
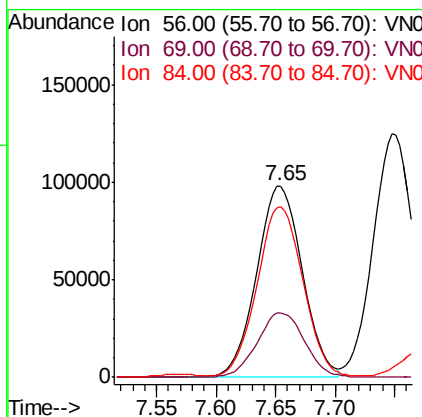
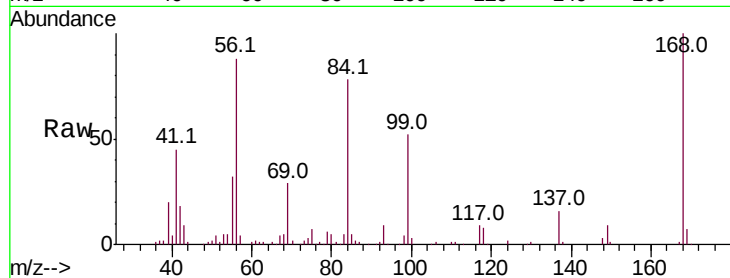
#31
Cyclohexane
Concen: 47.281 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Instrument :
MSVOA_N
ClientSampled :
ICVVN051719

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.7	27.2	40.8
84	87.8	71.3	106.9

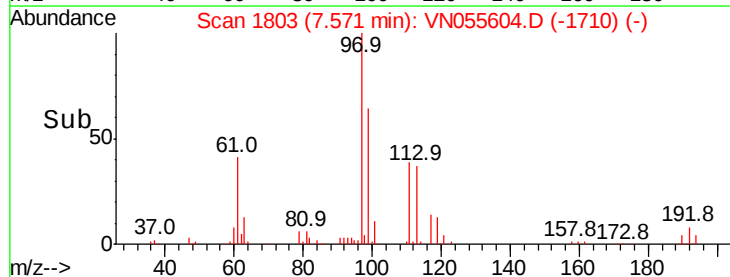
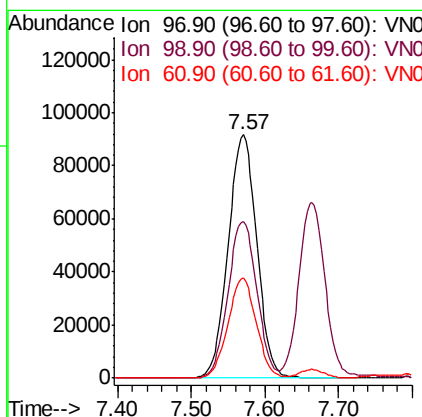
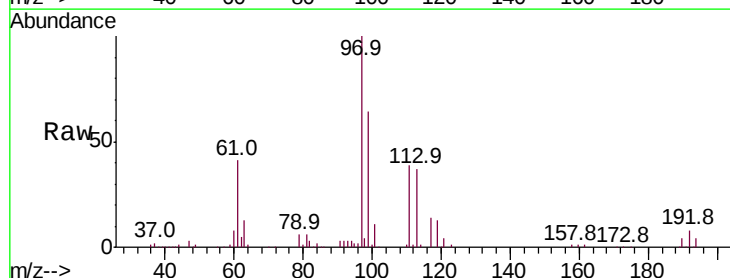
Manual Integrations
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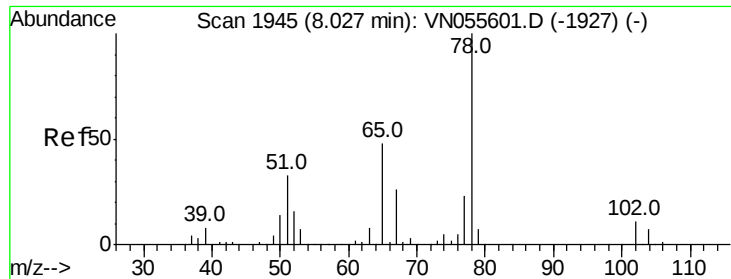
MMDadoda
5/20/2019 9:10:23 AM



#32
1,1,1-Trichloroethane
Concen: 46.332 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.2
61	40.6	32.9	49.3





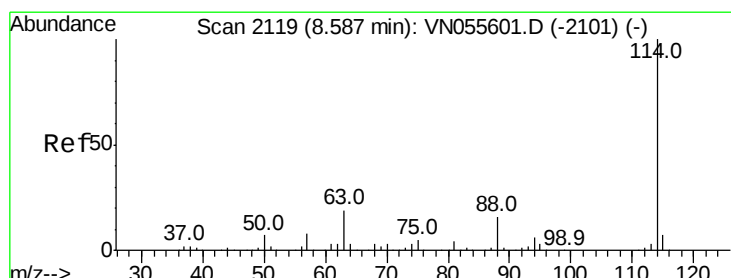
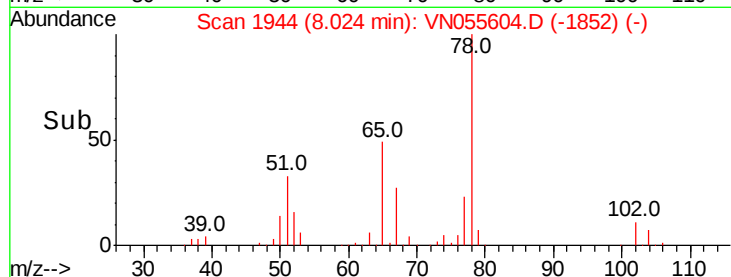
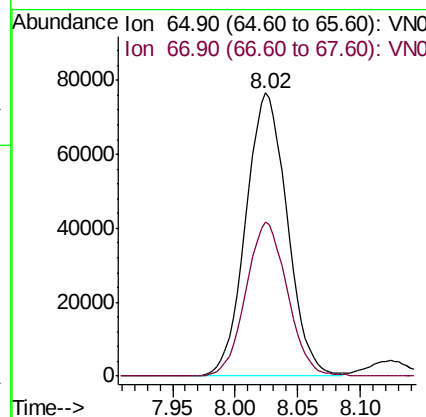
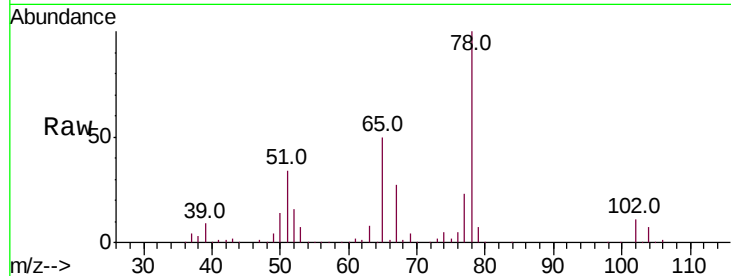
#33
 1,2-Dichloroethane-d4
 Concen: 47.235 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN055604.D
 Acq: 17 May 2019 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051719

Tot Ion	Ratio	Resp	Lower	Upper
65	100	175849		
67	54.3	0.0	108.6	

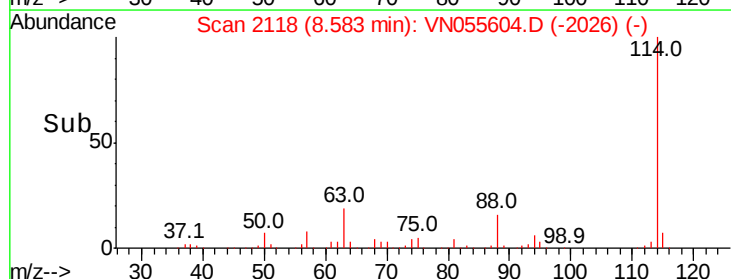
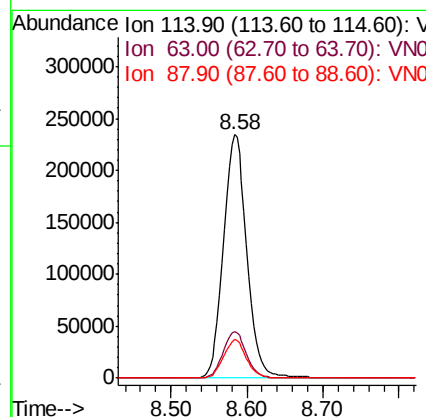
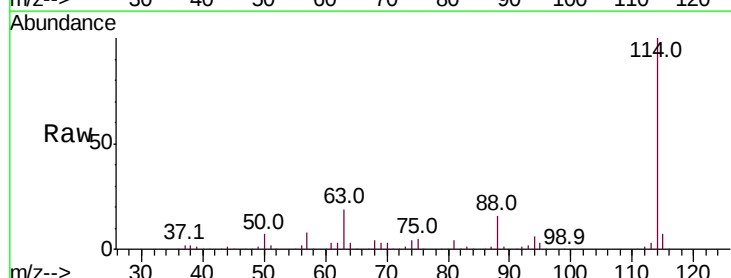
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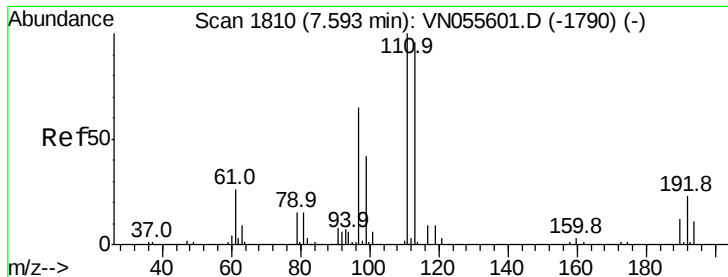
MMDadoda
 5/20/2019 9:10:23 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055604.D
 Acq: 17 May 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	500672		
63	19.0	0.0	38.2	
88	15.8	0.0	31.0	





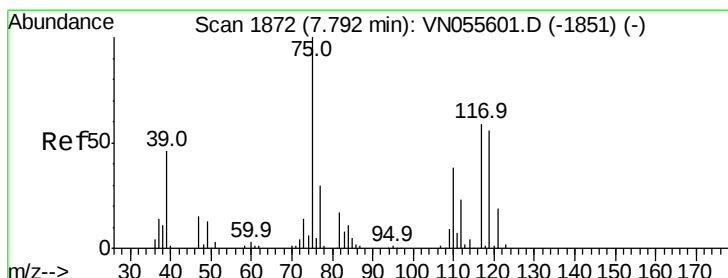
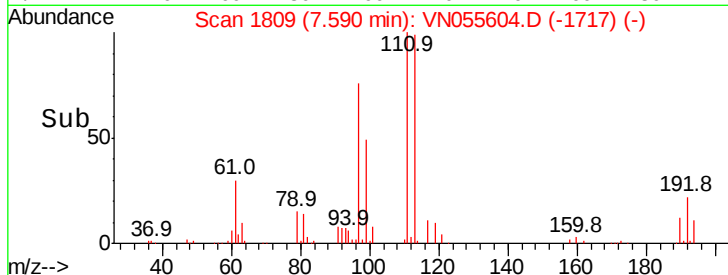
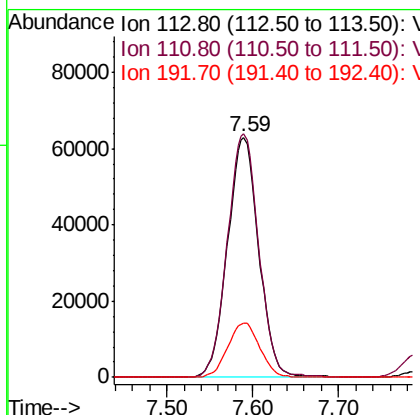
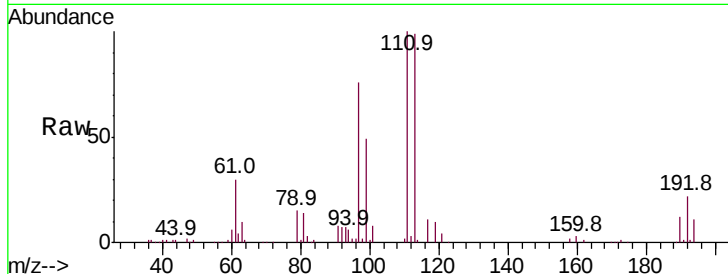
#35
 Dibromofluoromethane
 Concen: 49.831 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055604.D
 Acq: 17 May 2019 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051719

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.5	123.7
192	23.1	18.7	28.1

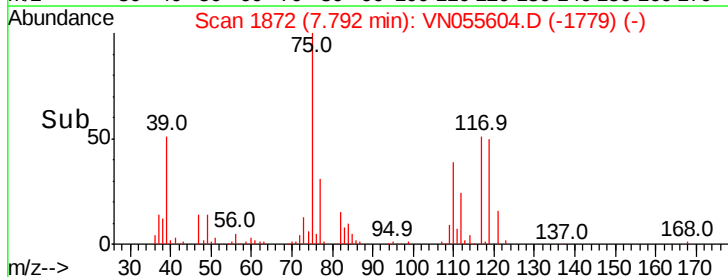
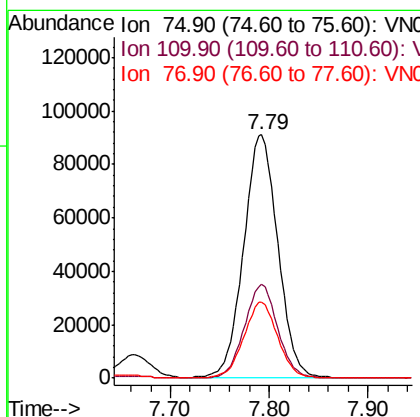
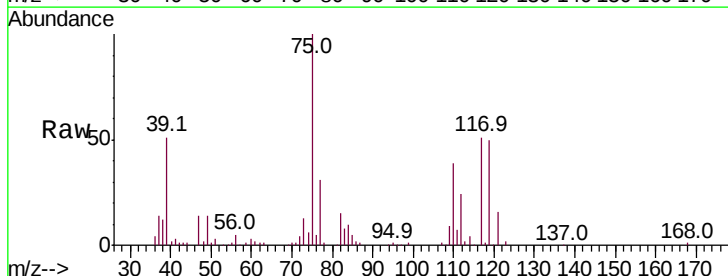
Manual Integrations
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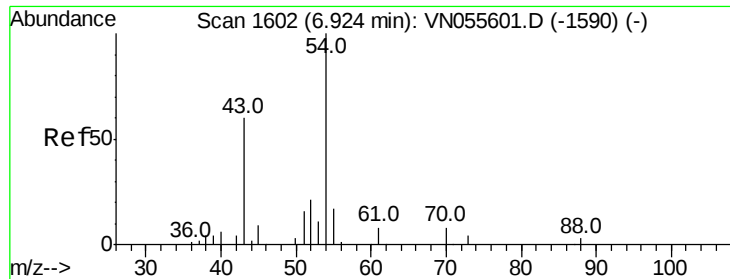
MMDadoda
 5/20/2019 9:10:23 AM



#36
 1,1-Dichloropropene
 Concen: 48.632 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055604.D
 Acq: 17 May 2019 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.6	55.6
77	31.4	24.9	37.3





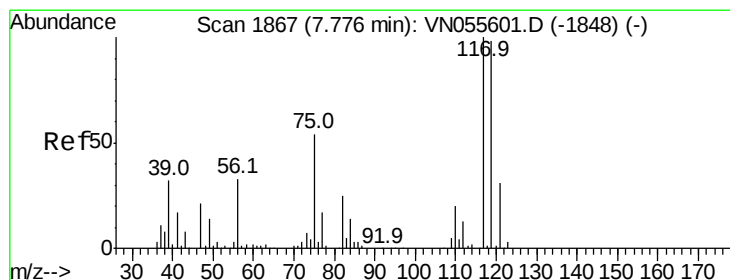
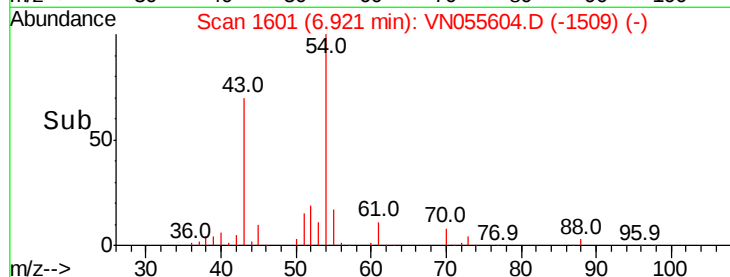
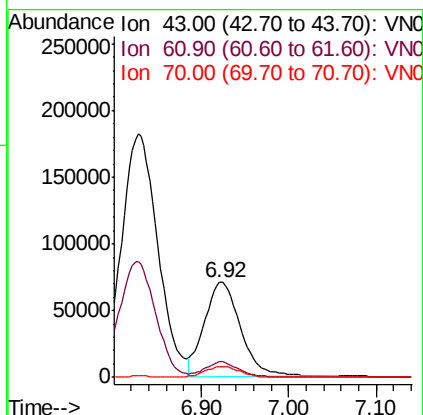
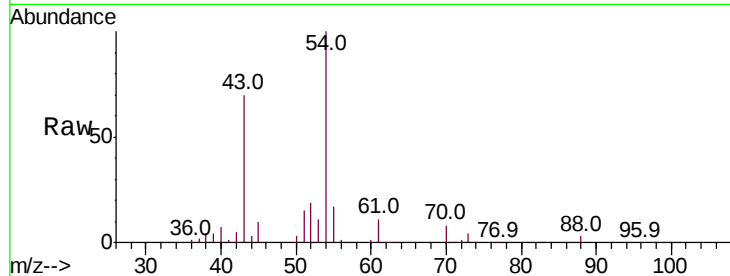
#37
Ethyl Acetate
Concen: 50.410 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051719

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.4	17.0
70	11.4	9.2	13.8

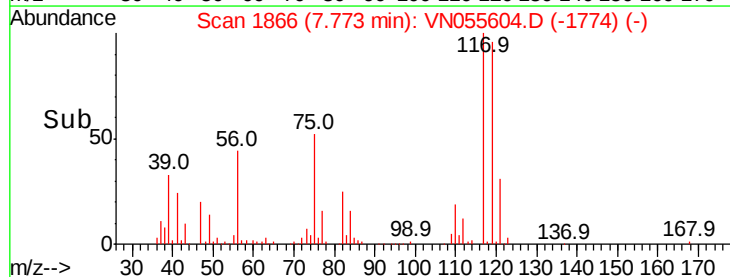
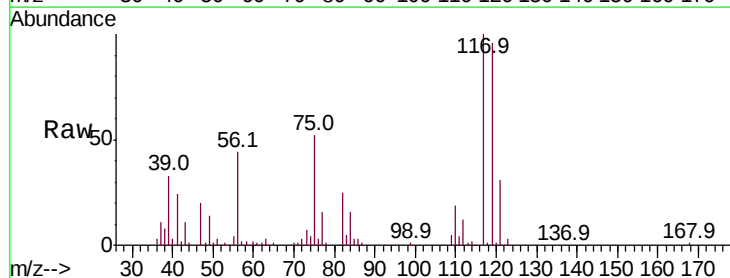
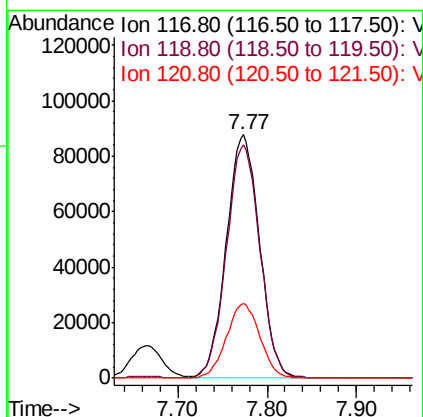
Manual Integrations
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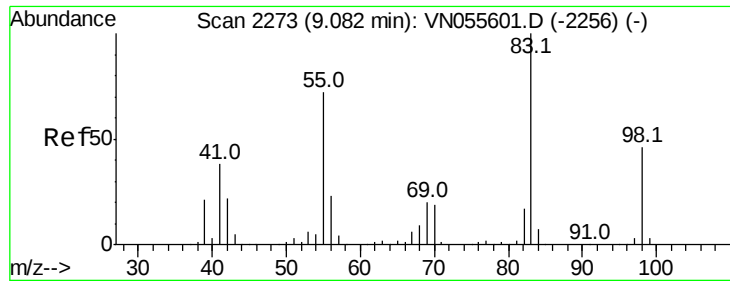
MMDadoda
5/20/2019 9:10:23 AM



#38
Carbon Tetrachloride
Concen: 47.537 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.8	116.8
121	30.6	24.6	37.0





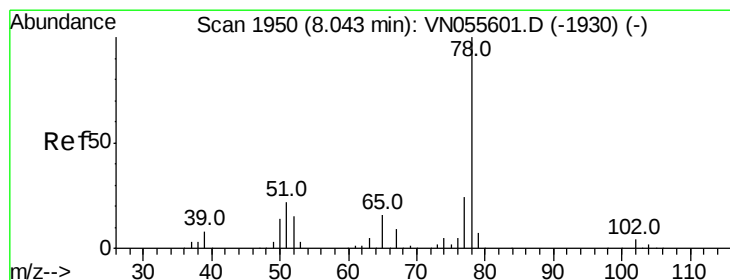
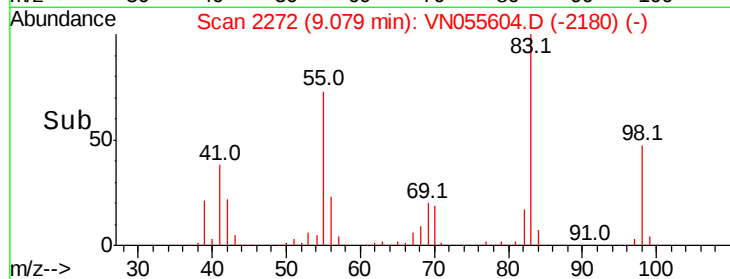
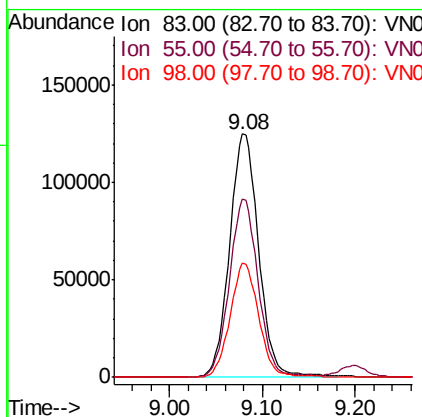
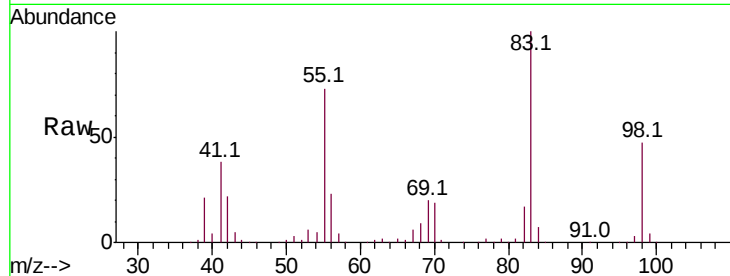
#39
Methylvlcyclohexane
Concen: 50.562 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051719

Tot Ion	83	Resp	272076
Ion Ratio	100	Lower	Upper
83	100		
55	73.0	57.8	86.6
98	47.0	36.7	55.1

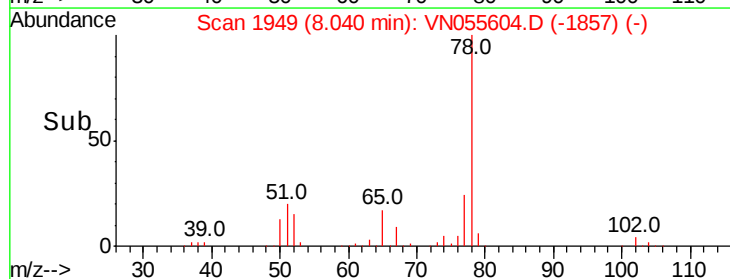
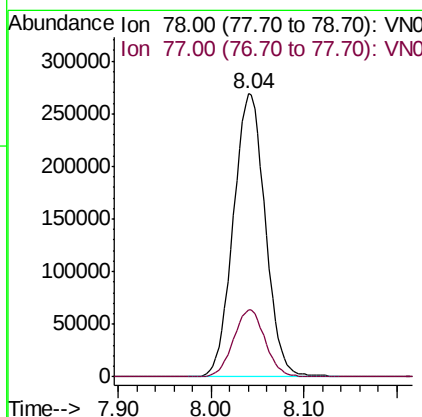
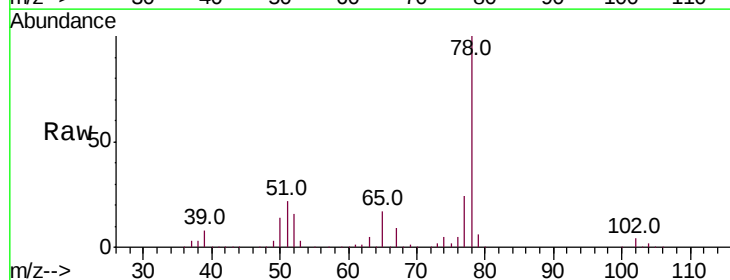
Manual Integrations
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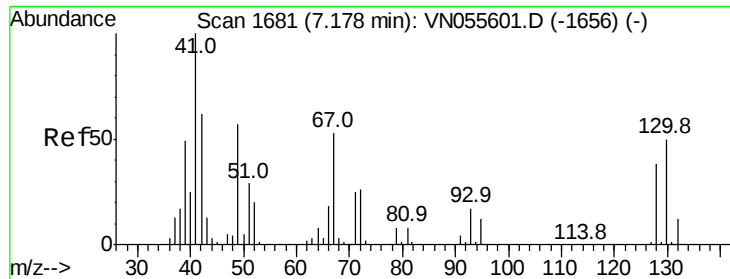
MMDadoda
5/20/2019 9:10:23 AM



#40
Benzene
Concen: 49.022 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Tgt Ion	78	Resp	643626
Ion Ratio	100	Lower	Upper
78	100		
77	23.9	18.9	28.3





#41

Methacrylonitrile

Concen: 59.718 ug/l m

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051719

Tot Ion: 41 Resp: 102843
Ion Ratio Lower Upper

41 100

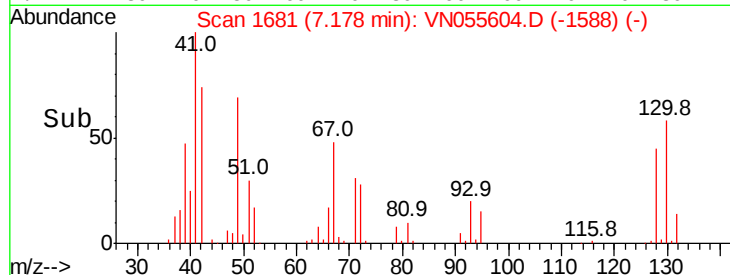
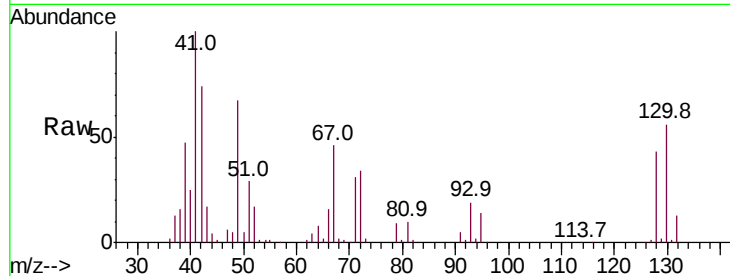
39 0.0 0.0 0.0

67 0.0 0.0 0.0

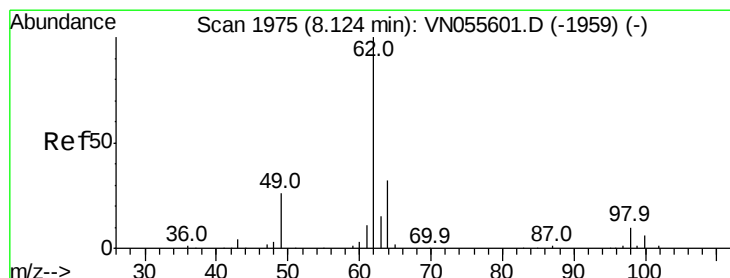
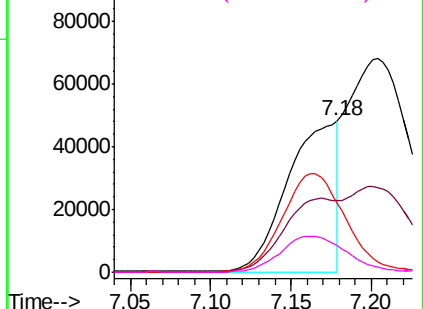
52 0.0 0.0 0.0

Manual Integrations
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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: 50.102 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

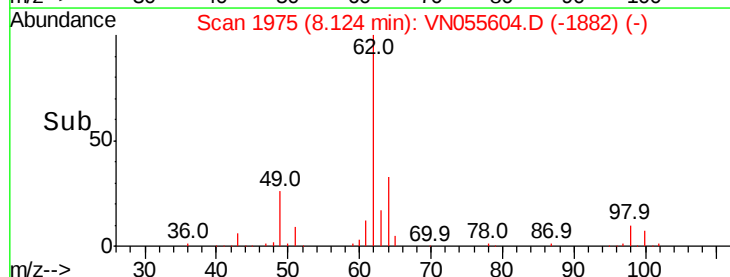
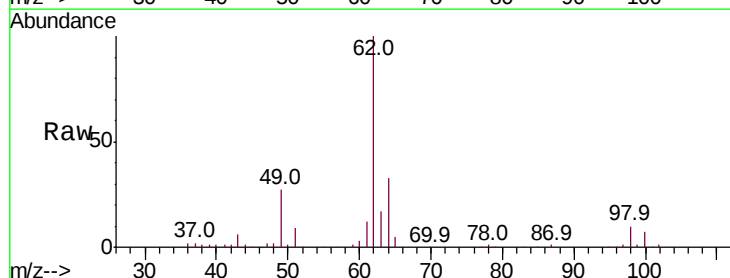
Lab File: VN055604.D

Acq: 17 May 2019 12:05

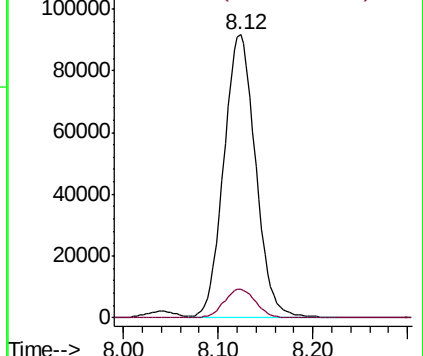
Tgt Ion: 62 Resp: 213011
Ion Ratio Lower Upper

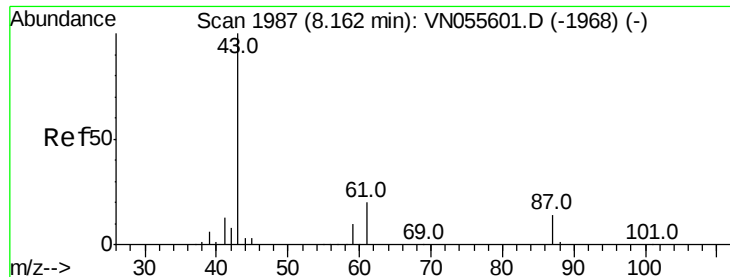
62 100

98 10.1 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 48.830 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

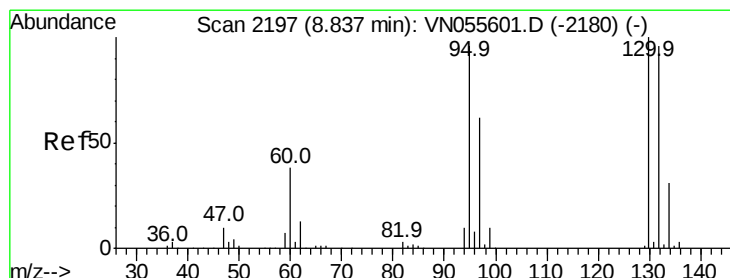
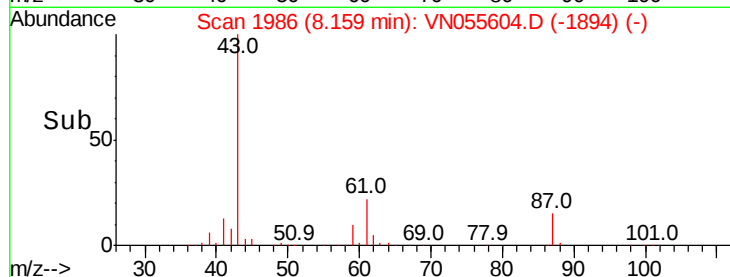
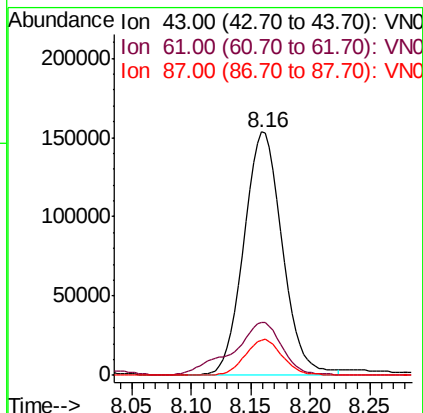
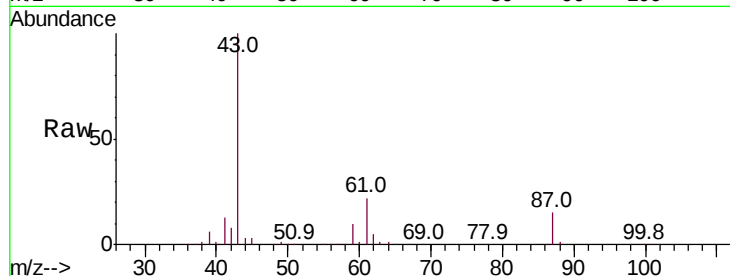
ClientSampleId :

ICVVN051719

Tot Ion:	43	Resp:	342136
Ion	Ratio	Lower	Upper
43	100		
61	27.8	22.1	33.1
87	14.6	11.8	17.6

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#44

Trichloroethene

Concen: 50.166 ug/l

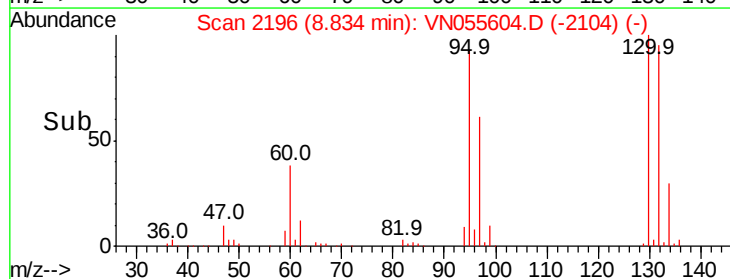
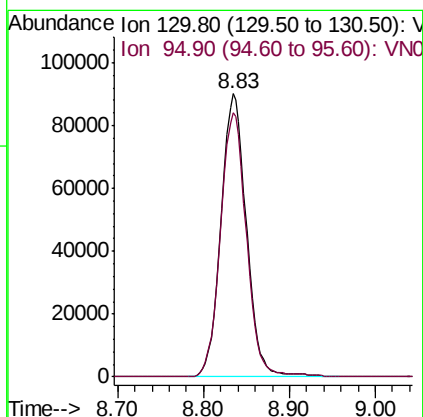
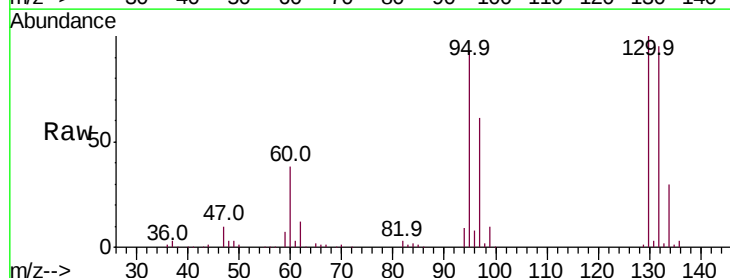
RT: 8.83 min Scan# 2196

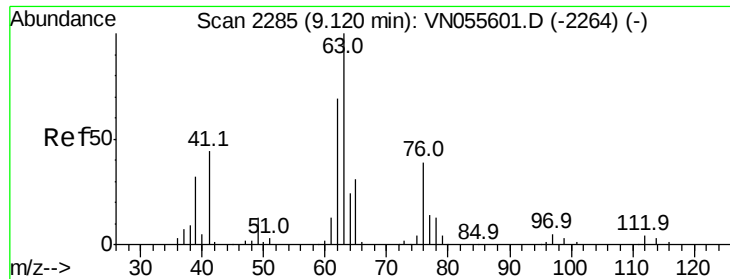
Delta R.T. -0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Tgt Ion:	130	Resp:	185852
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	191.0





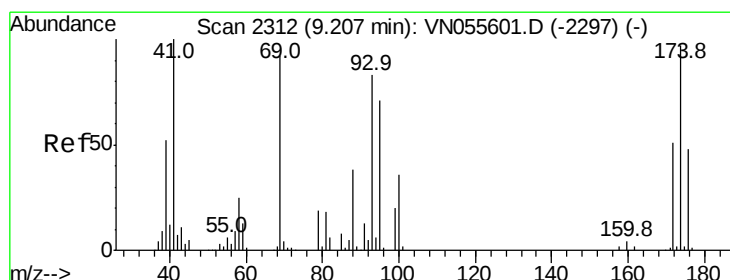
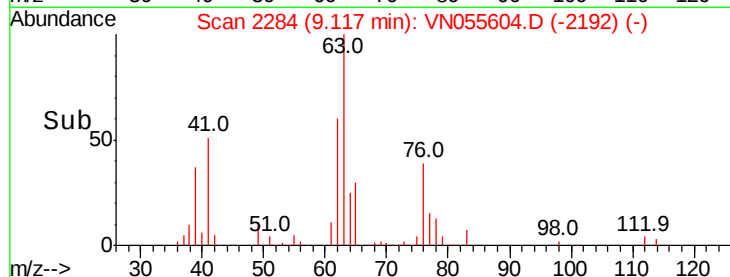
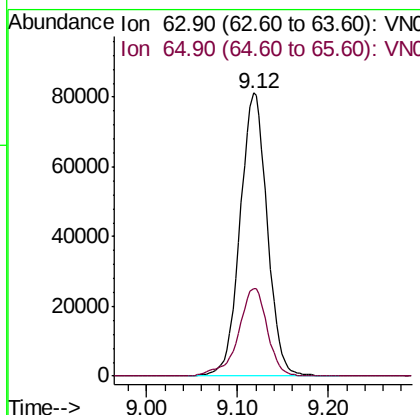
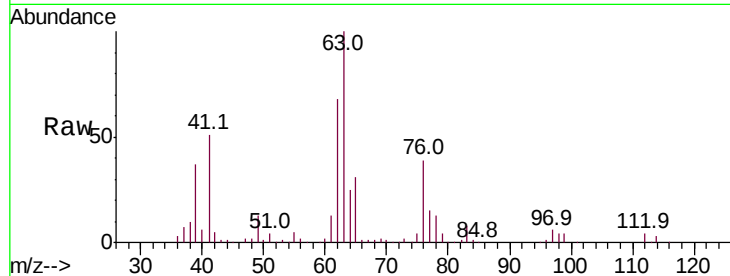
#45
 1,2-Dichloropropane
 Concen: 48.710 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055604.D
 Acq: 17 May 2019 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051719

Tot Ion: 63 Resp: 168477
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.2 37.8

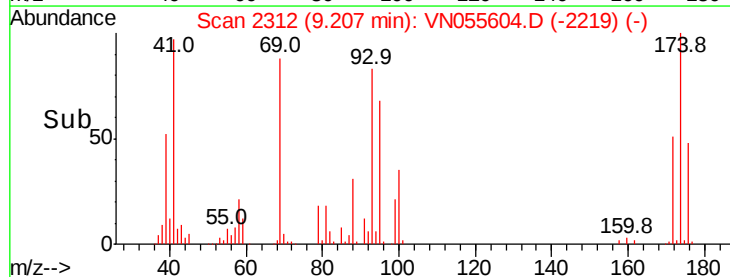
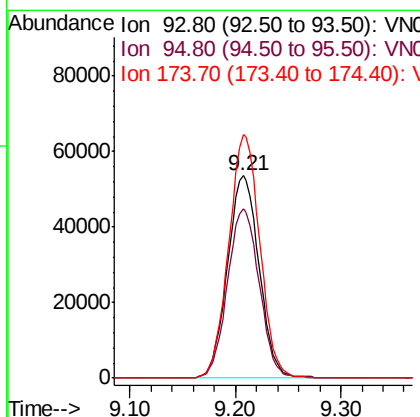
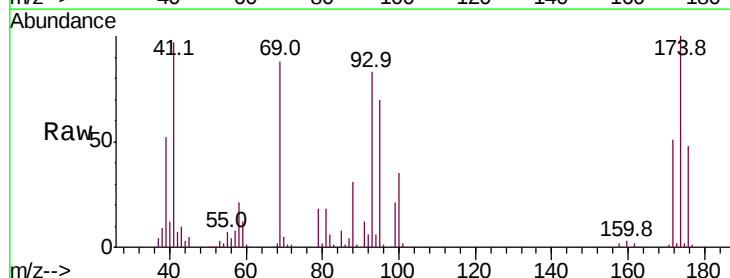
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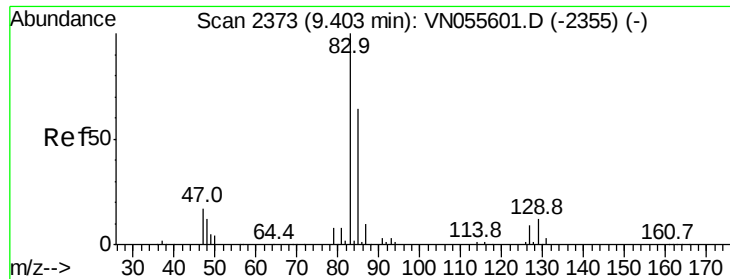
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#46
 Dibromomethane
 Concen: 49.210 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055604.D
 Acq: 17 May 2019 12:05

Tgt Ion: 93 Resp: 111402
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.9 101.9
 174 118.1 93.8 140.6





#47

Bromodichloromethane

Concen: 48.105 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

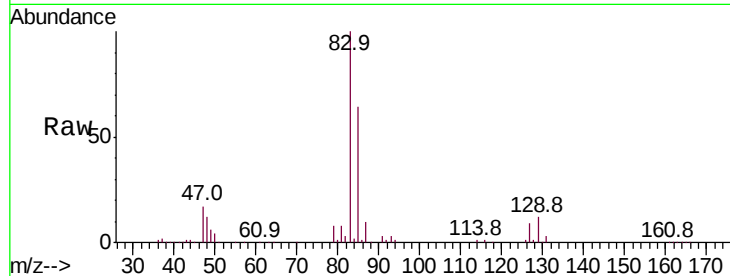
ClientSampleId :

ICVVN051719

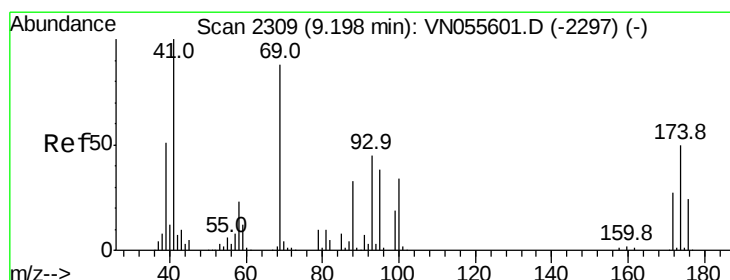
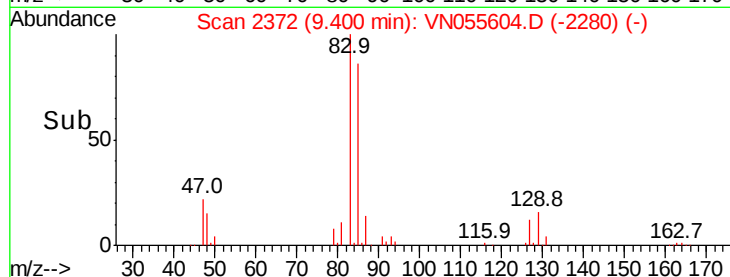
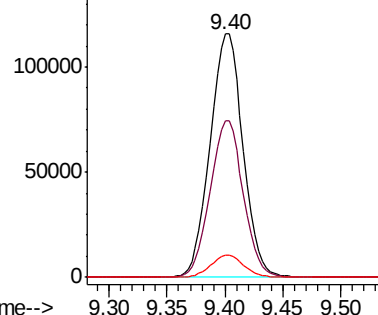
Tot Ion:	83	Resp:	228237
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.4	77.0
127	9.2	7.1	10.7

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 50.429 ug/l

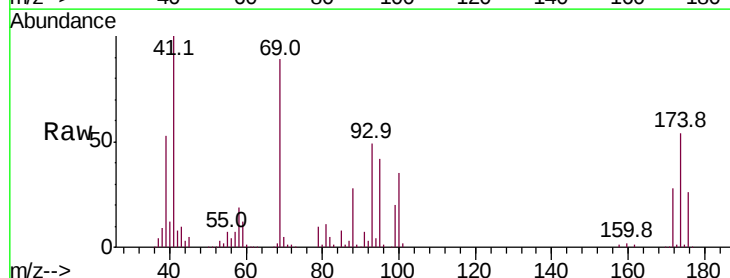
RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

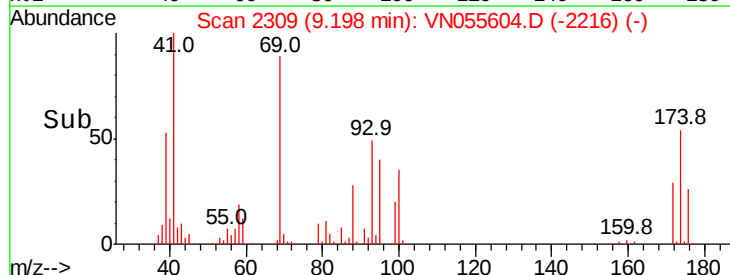
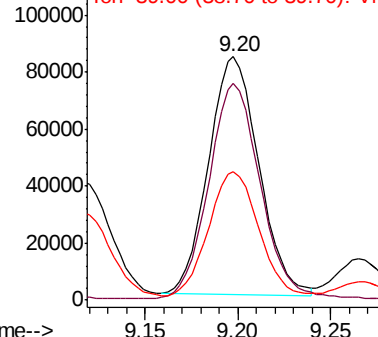
Lab File: VN055604.D

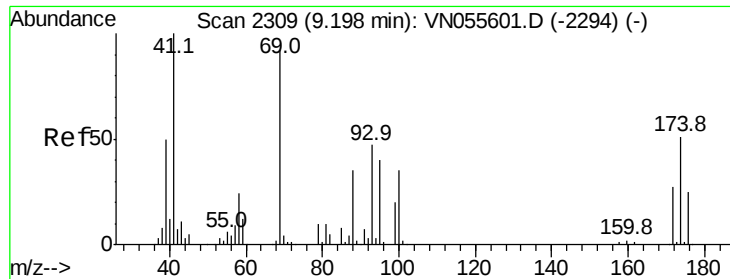
Acq: 17 May 2019 12:05

Tgt Ion:	41	Resp:	157934
Ion Ratio	Lower	Upper	
41	100		
69	95.2	74.2	111.2
39	55.9	43.8	65.8



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





#49

1,4-Dioxane

Concen: 979.661 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

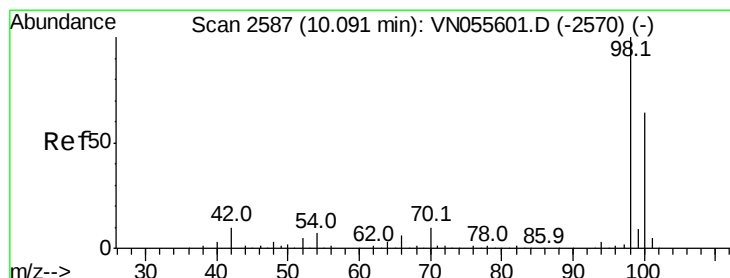
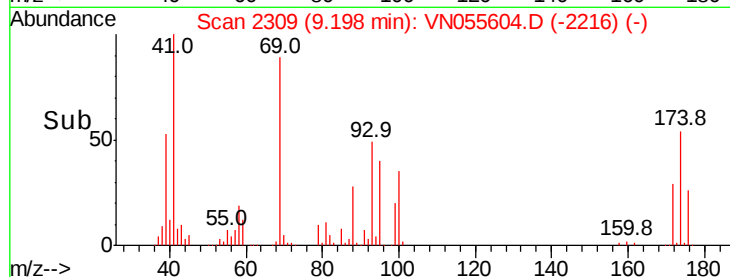
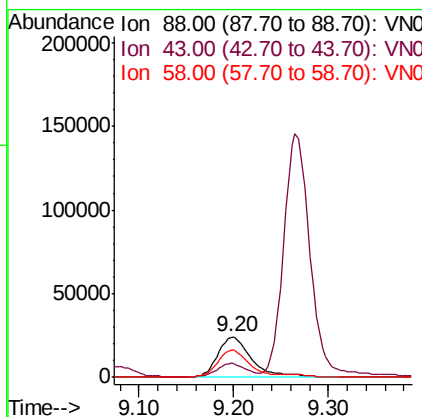
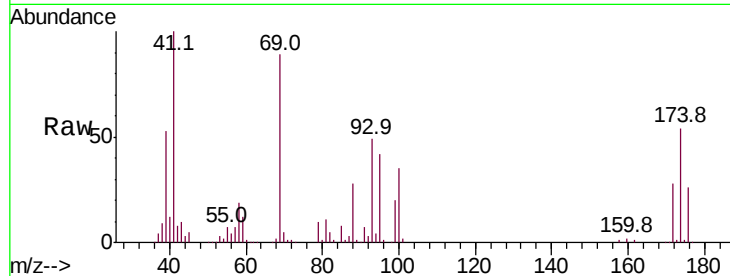
ClientSampleId :

ICVVN051719

Tot Ion:	88	Resp:	60965
Ion	Ratio	Lower	Upper
88	100		
43	26.8	22.4	33.6
58	62.8	53.4	80.2

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#50

Toluene-d8

Concen: 49.659 ug/l

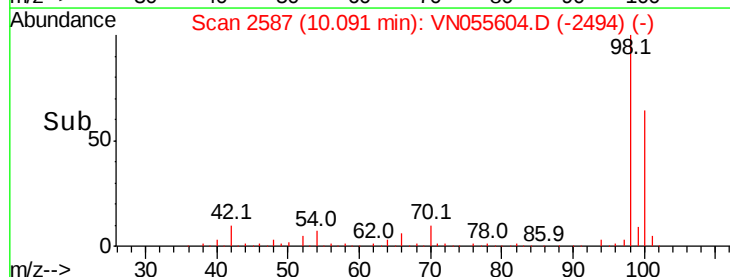
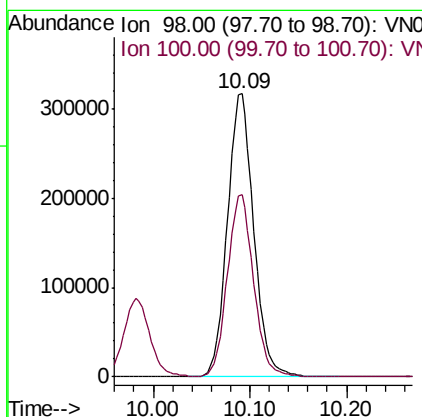
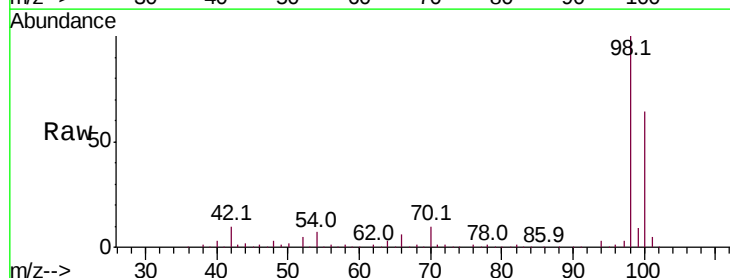
RT: 10.09 min Scan# 2587

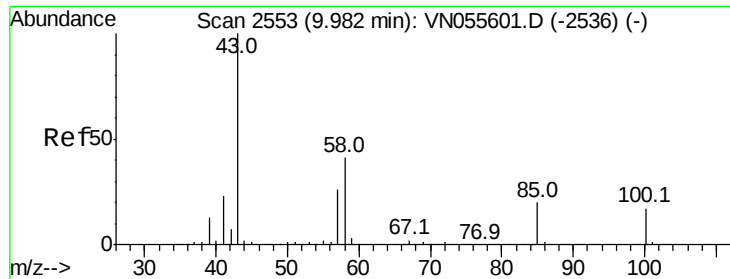
Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Tgt Ion:	98	Resp:	597193
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 243.210 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051719

Tot Ion: 43 Resp: 999598

Ion Ratio Lower Upper

43 100

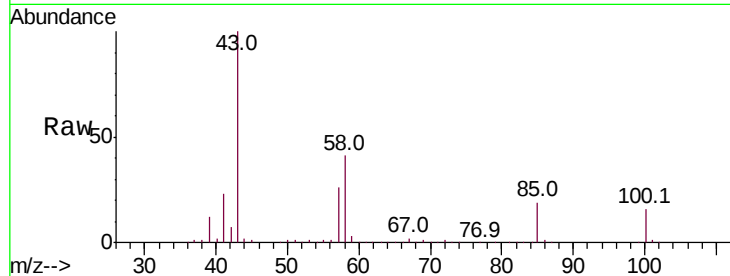
58 41.0 32.7 49.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

600000

500000

400000

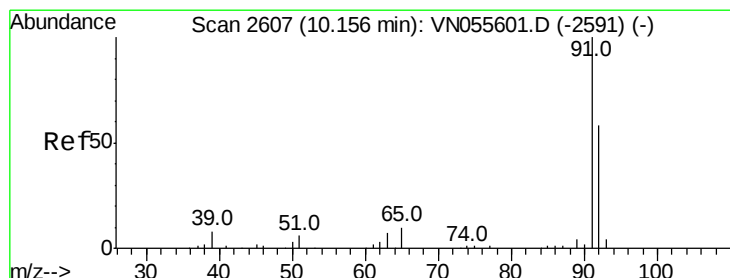
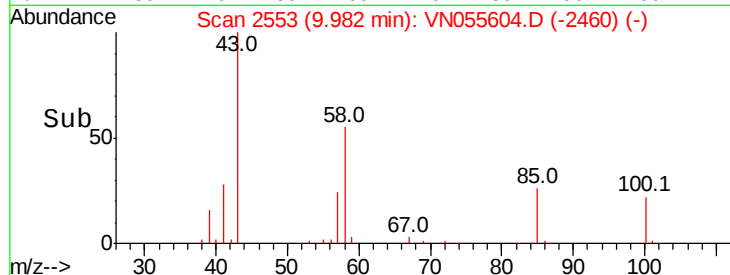
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.397 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055604.D

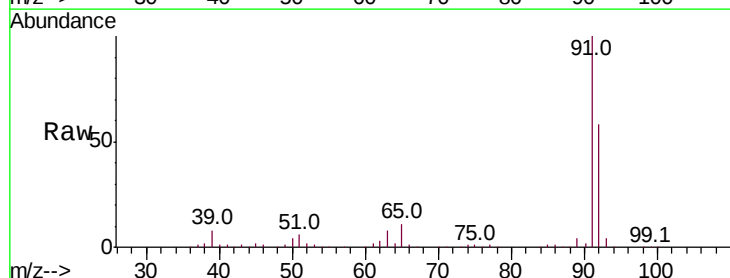
Acq: 17 May 2019 12:05

Tgt Ion: 92 Resp: 406785

Ion Ratio Lower Upper

92 100

91 174.3 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

400000

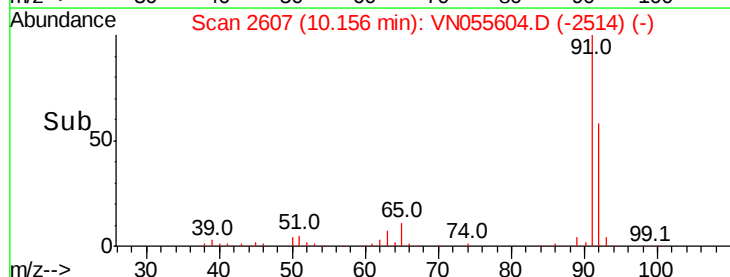
300000

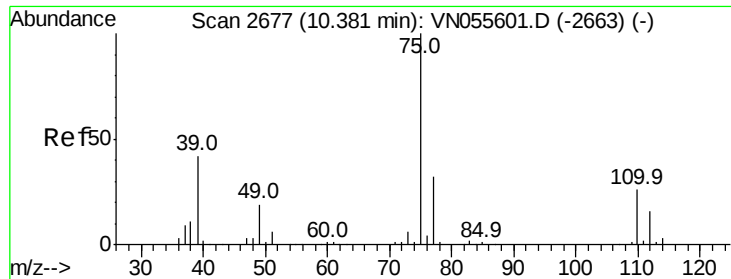
200000

100000

0

Time-->





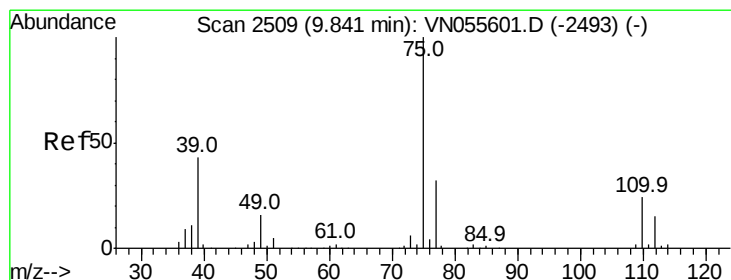
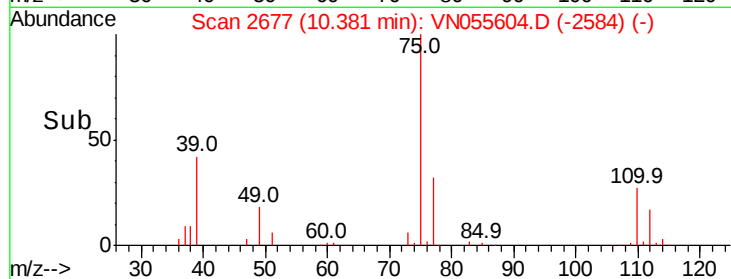
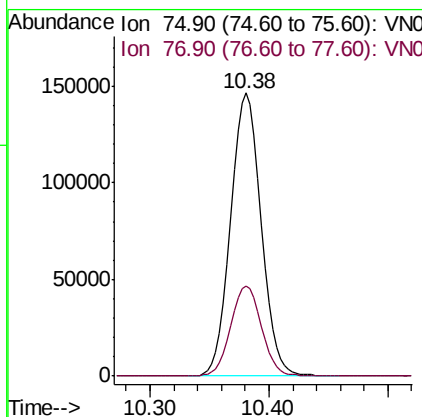
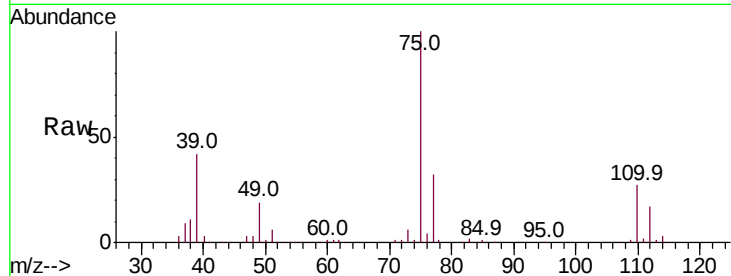
#53
t-1,3-Dichloropropene
Concen: 51.041 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051719

Tot Ion: 75 Resp: 260643
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

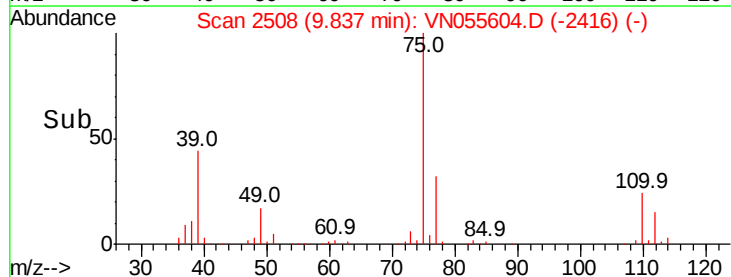
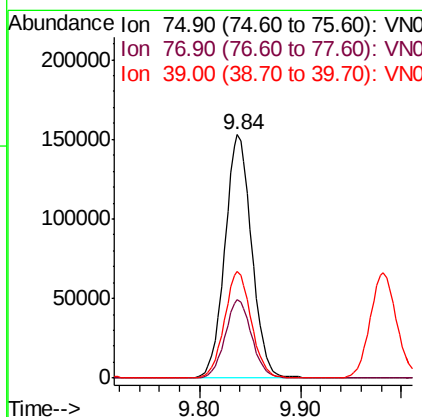
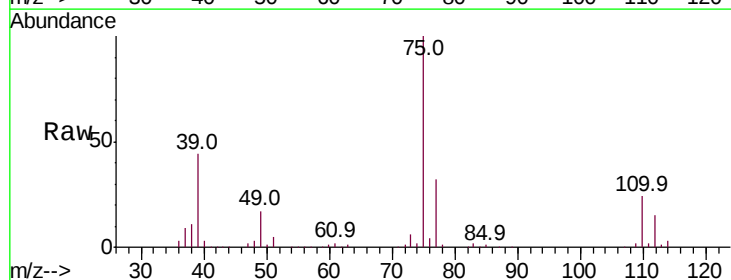
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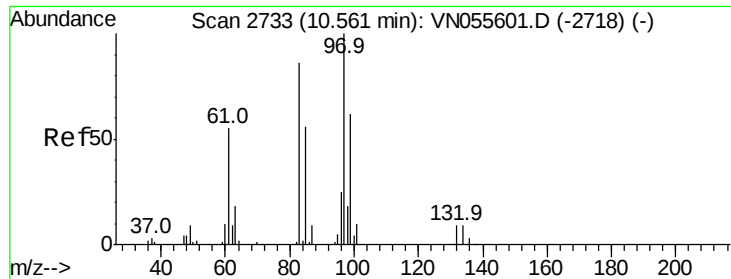
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#54
cis-1,3-Dichloropropene
Concen: 50.606 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Tgt Ion: 75 Resp: 283105
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
39 44.0 34.7 52.1





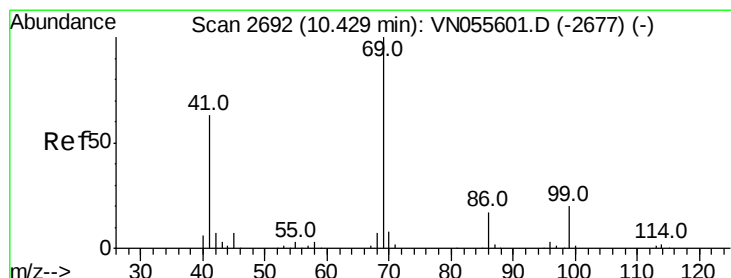
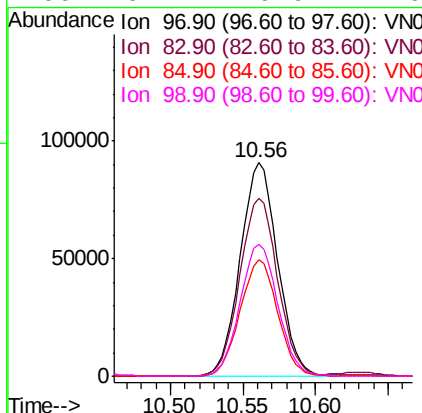
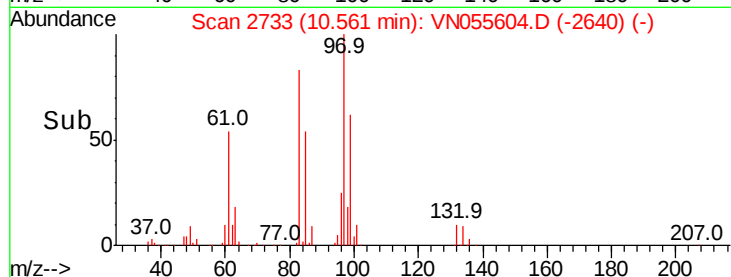
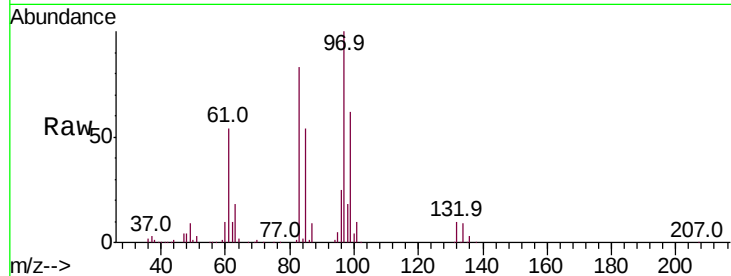
#55
 1,1,2-Trichloroethane
 Concen: 48.240 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055604.D
 Acq: 17 May 2019 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051719

Tot Ion	97	Resp	163542
Ion	Ratio	Lower	Upper
97	100		
83	83.2	68.4	102.6
85	54.3	44.8	67.2
99	61.7	49.9	74.9

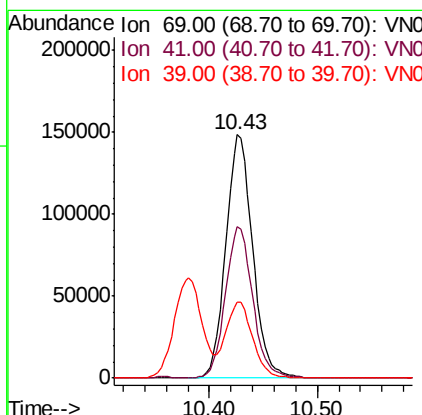
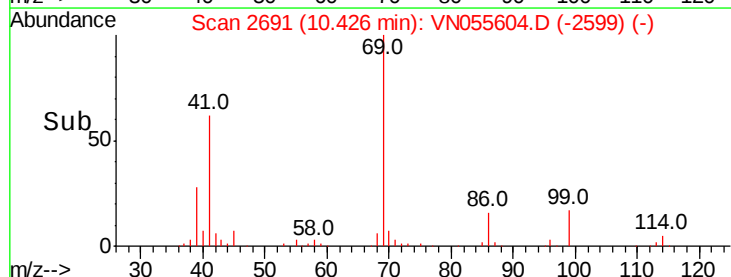
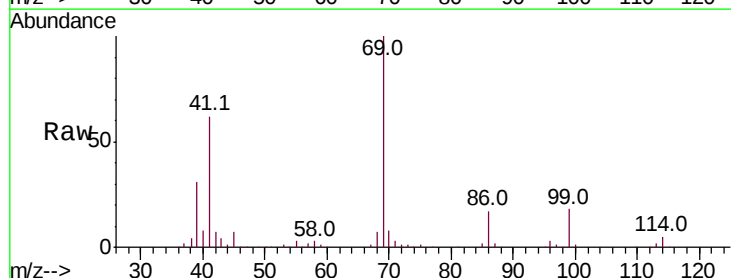
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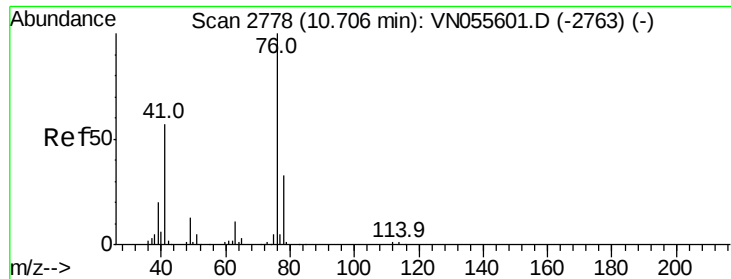
MMDadoda
 5/20/2019 9:10:23 AM



#56
 Ethyl methacrylate
 Concen: 48.658 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN055604.D
 Acq: 17 May 2019 12:05

Tgt Ion	69	Resp	257507
Ion	Ratio	Lower	Upper
69	100		
41	62.0	50.3	75.5
39	30.8	25.4	38.2





#57

1,3-Dichloropropane

Concen: 49.858 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051719

Tot Ion: 76 Resp: 267709

Ion Ratio Lower Upper

76 100

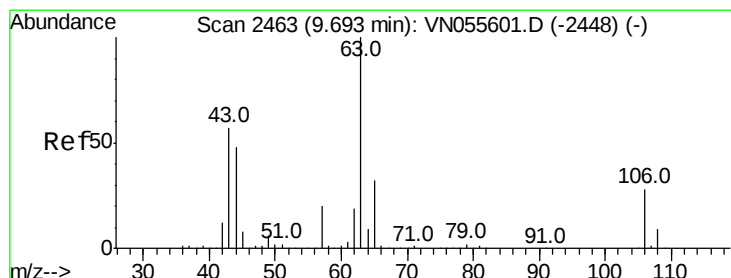
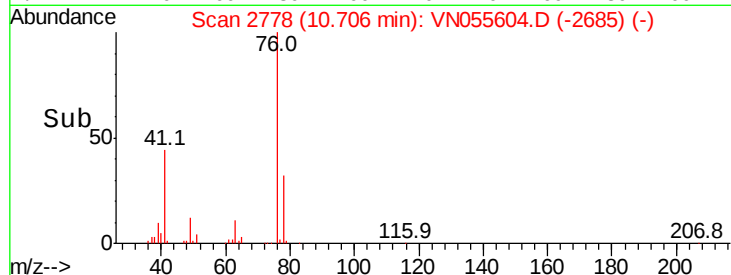
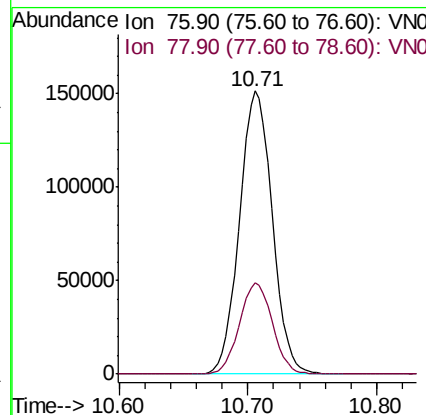
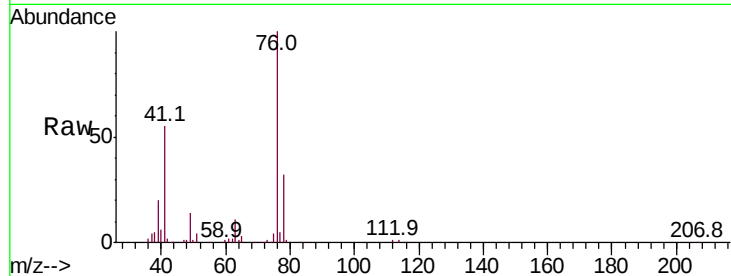
78 32.4 26.5 39.7

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 258.176 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055604.D

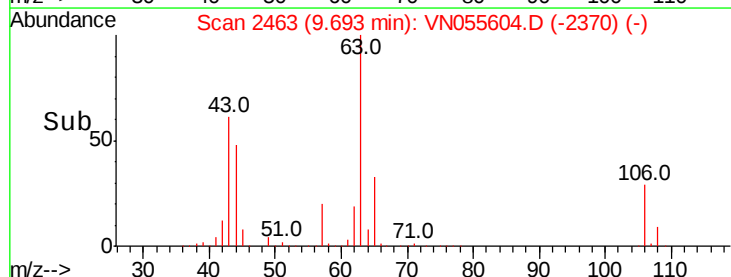
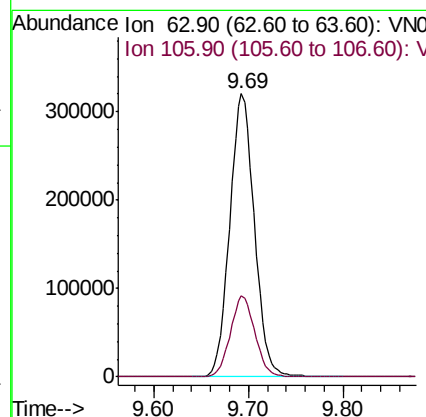
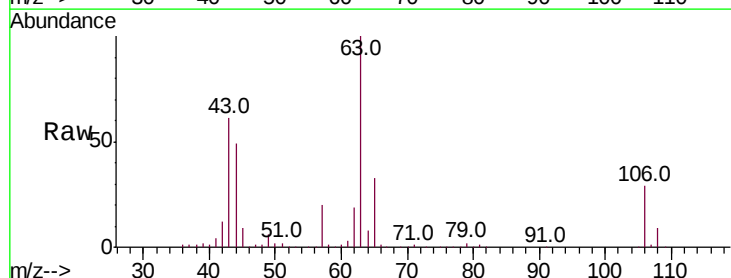
Acq: 17 May 2019 12:05

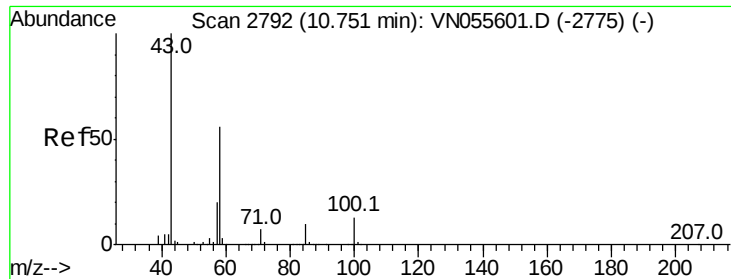
Tgt Ion: 63 Resp: 580551

Ion Ratio Lower Upper

63 100

106 28.6 23.0 34.6





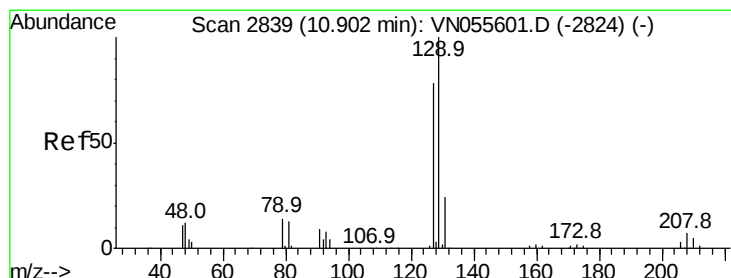
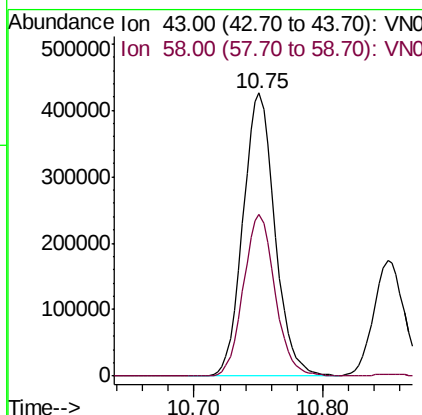
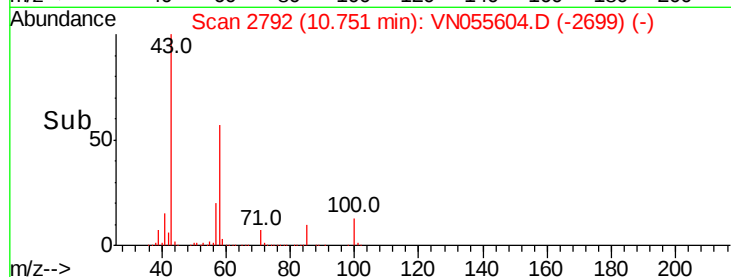
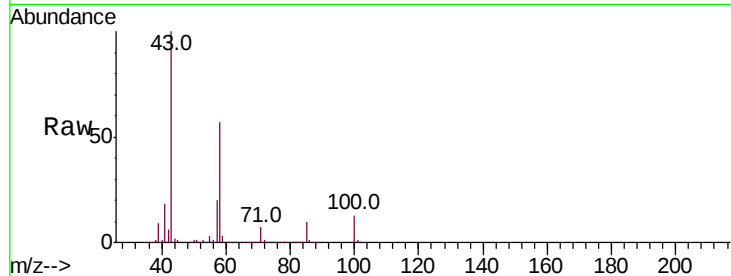
#59
2-Hexanone
Concen: 252.393 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051719

Tot Ion: 43 Resp: 730341
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.4

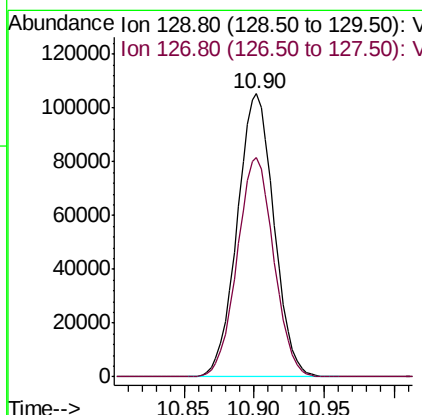
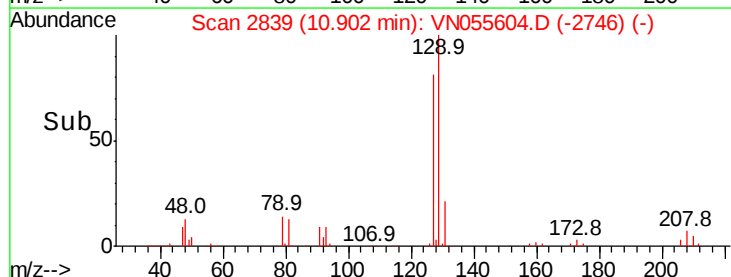
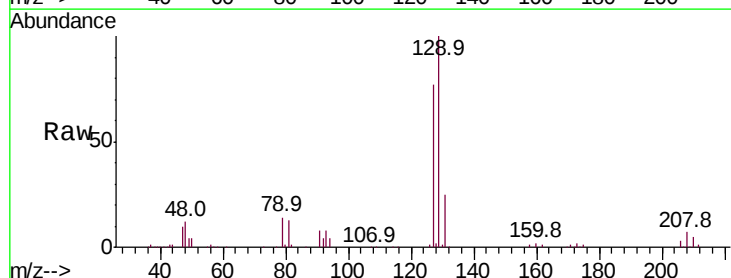
Manual Integrations
APPROVED

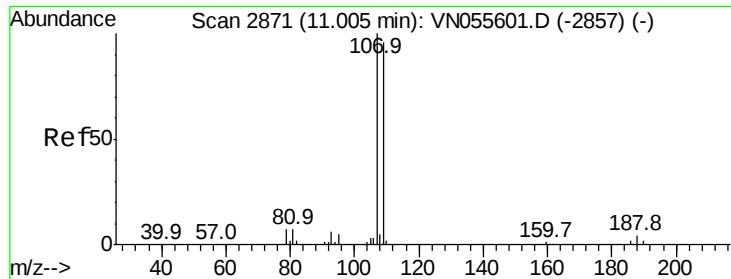
MMDadoda
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#60
Dibromochloromethane
Concen: 49.957 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Tgt Ion: 129 Resp: 191952
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





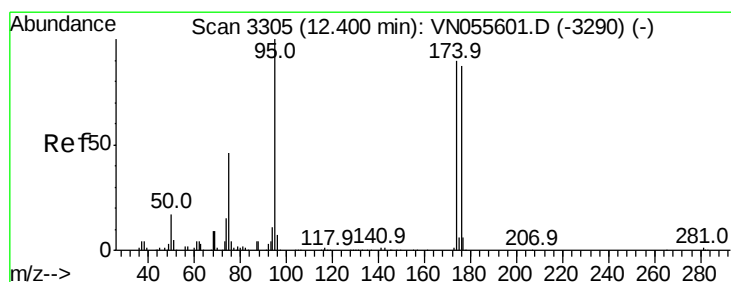
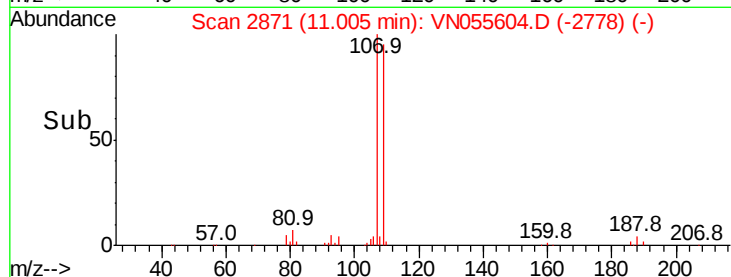
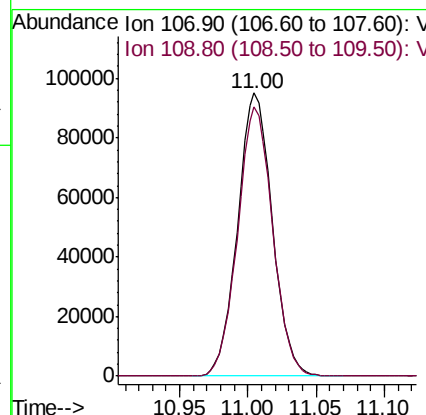
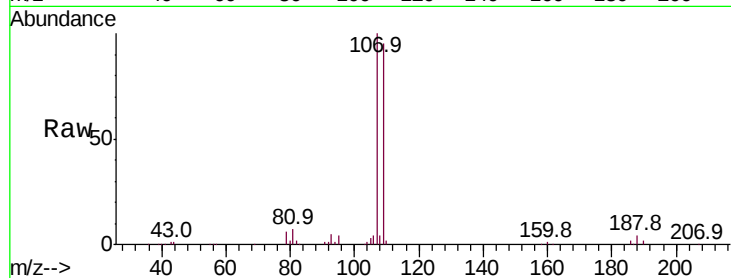
#61
 1,2-Dibromoethane
 Concen: 49.357 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055604.D
 Acq: 17 May 2019 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN051719

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.6	113.4

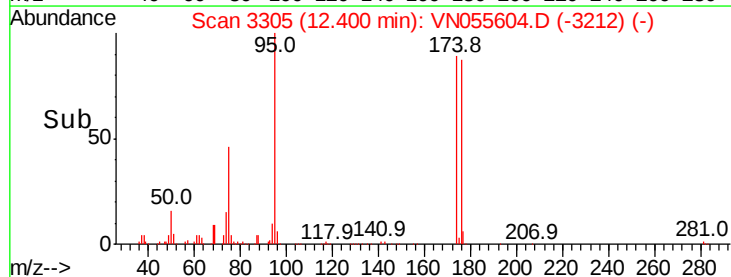
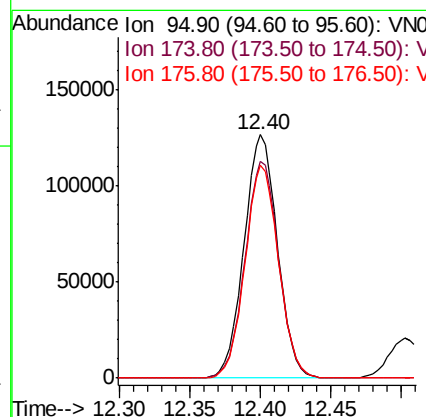
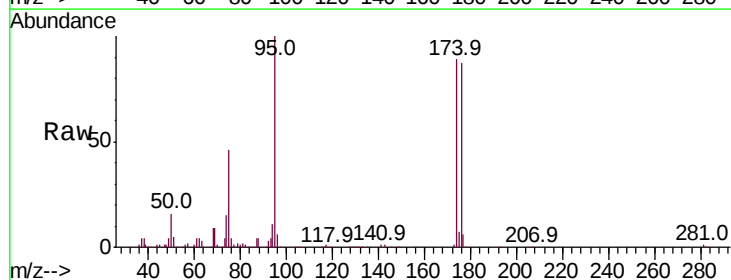
Manual Integrations
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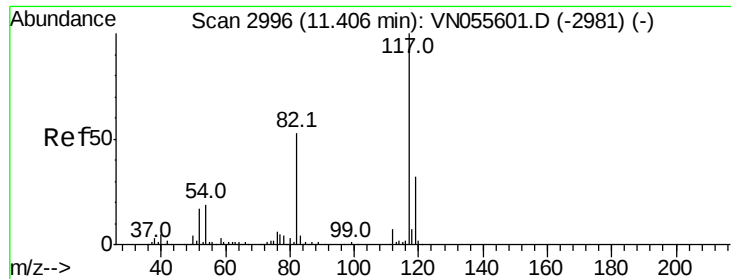
MMDadoda
 5/20/2019 9:10:23 AM



#62
 4-Bromofluorobenzene
 Concen: 50.705 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055604.D
 Acq: 17 May 2019 12:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	180.6
176	87.6	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: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

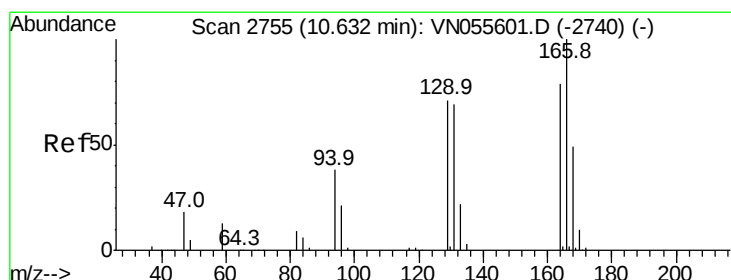
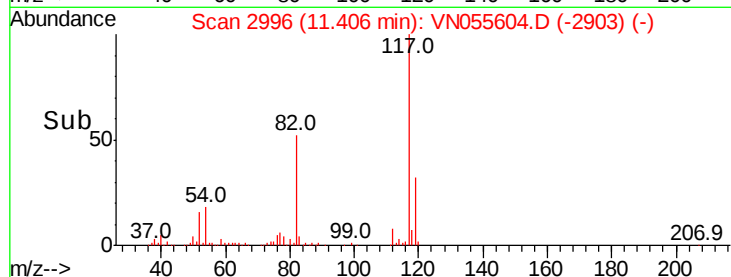
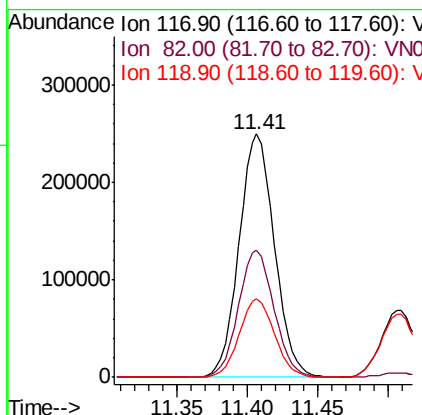
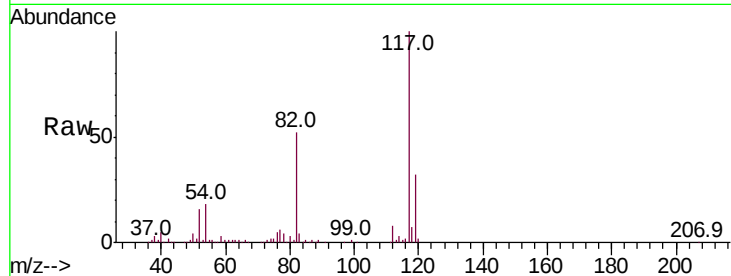
ClientSampleId :

ICVVN051719

Tot Ion:	117	Resp:	439106
Ion Ratio	Lower	Upper	
117	100		
82	52.3	42.3	63.5
119	32.2	25.4	38.2

Manual Integrations
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#64

Tetrachloroethene

Concen: 48.177 ug/l

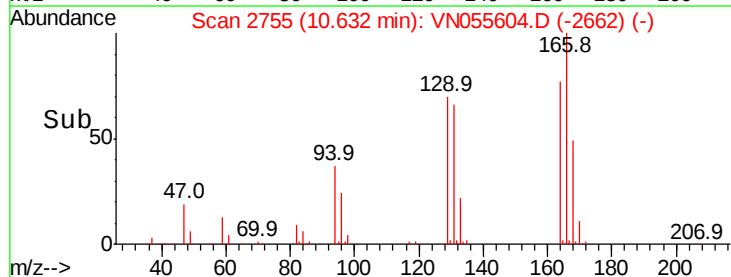
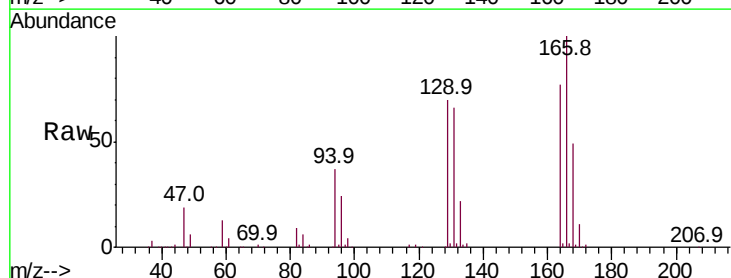
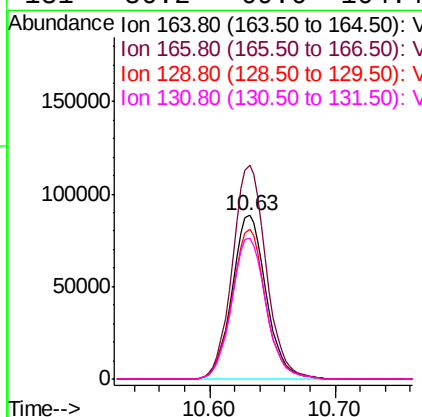
RT: 10.63 min Scan# 2755

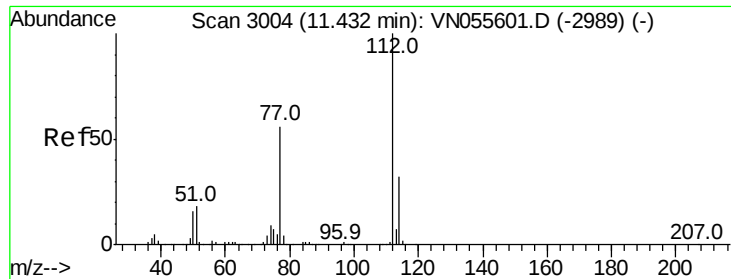
Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Tgt Ion:	164	Resp:	166856
Ion Ratio	Lower	Upper	
164	100		
166	130.5	101.0	151.6
129	91.3	71.7	107.5
131	86.2	69.6	104.4





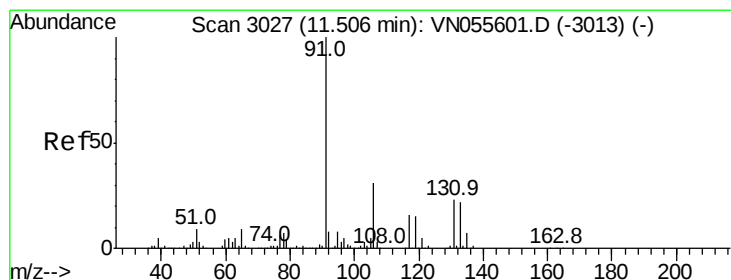
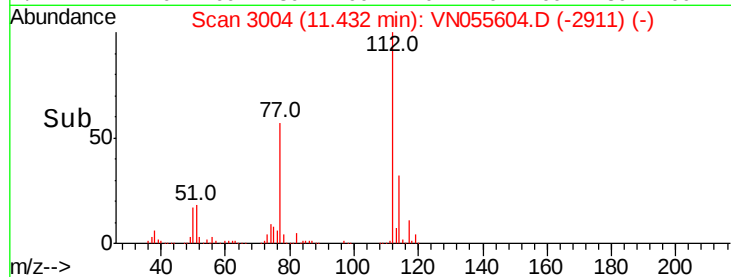
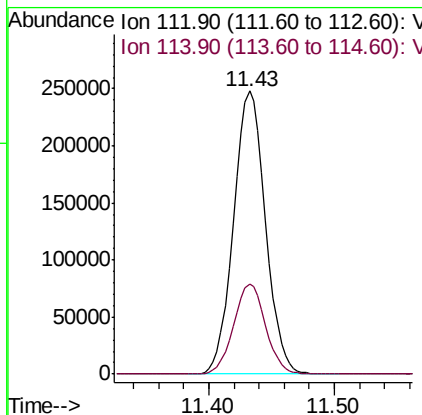
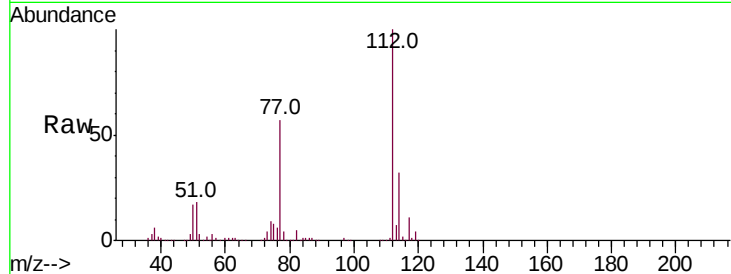
#65
Chlorobenzene
Concen: 49.183 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051719

Tot Ion	Ratio	Resp	Lower	Upper
112	100	436810		
114	31.8	25.6	38.4	

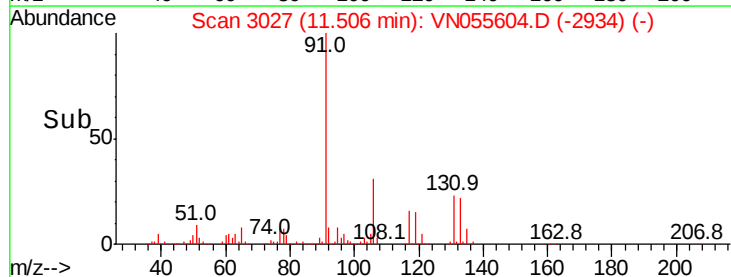
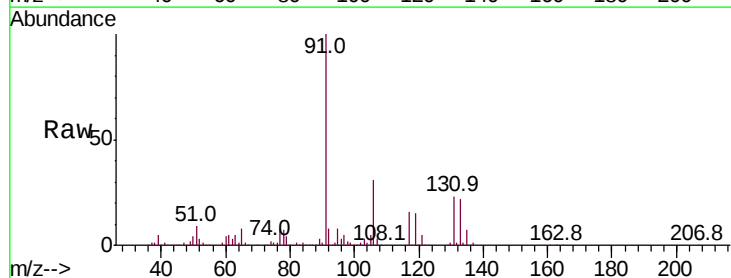
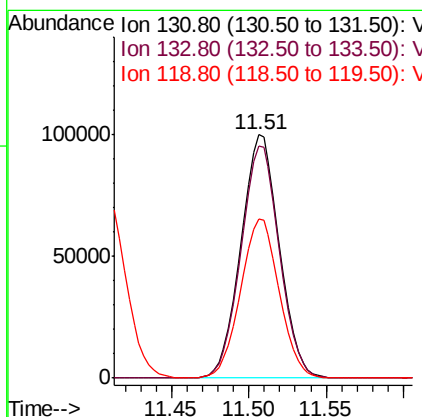
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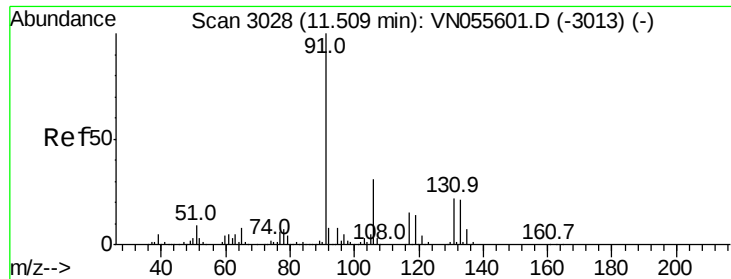
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.242 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	172367		
133	95.9	47.8	143.4	
119	65.8	33.3	99.8	





#67

Ethyl Benzene

Concen: 49.250 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051719

Tot Ion: 91 Resp: 779218

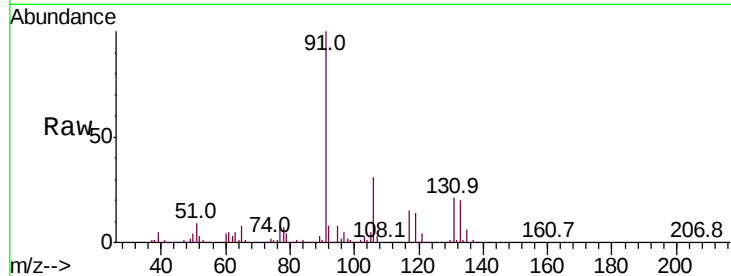
Ion Ratio Lower Upper

91 100

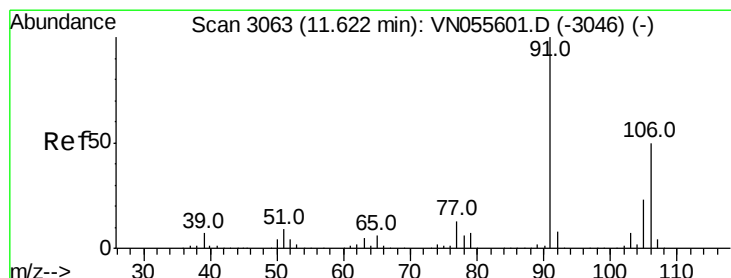
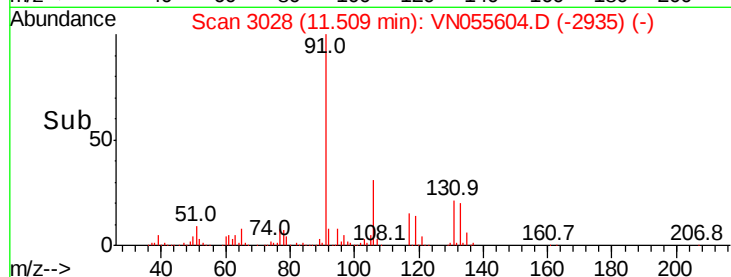
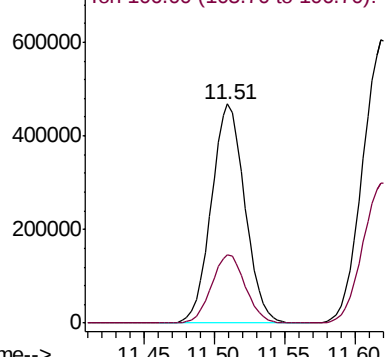
106 31.5 25.2 37.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN055601.D (-3013) (-)



#68

m/p-Xylenes

Concen: 99.060 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055604.D

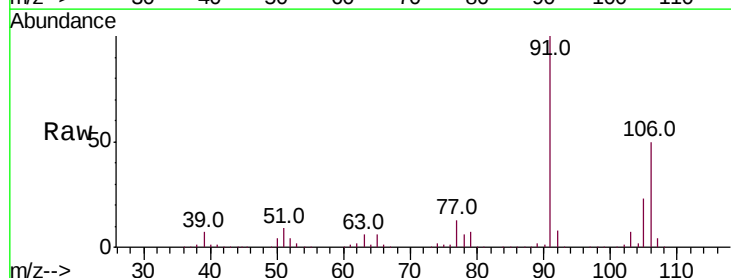
Acq: 17 May 2019 12:05

Tgt Ion: 106 Resp: 591865

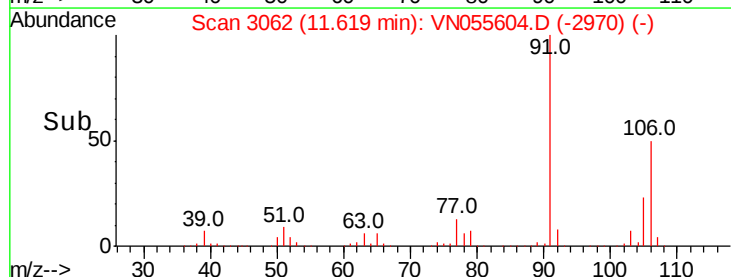
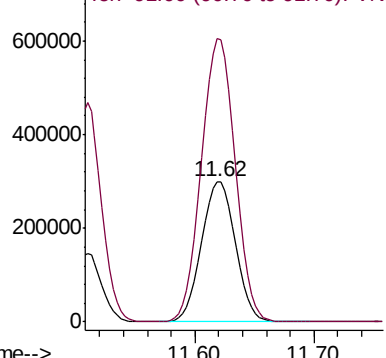
Ion Ratio Lower Upper

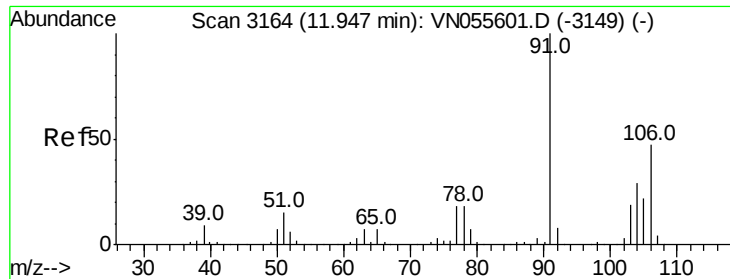
106 100

91 201.3 160.5 240.7



Abundance Ion 106.00 (105.70 to 106.70): VN055601.D (-3046) (-)





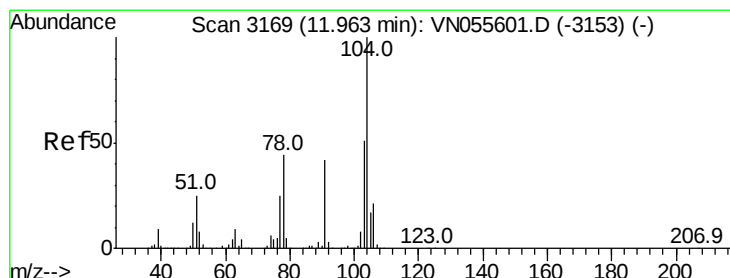
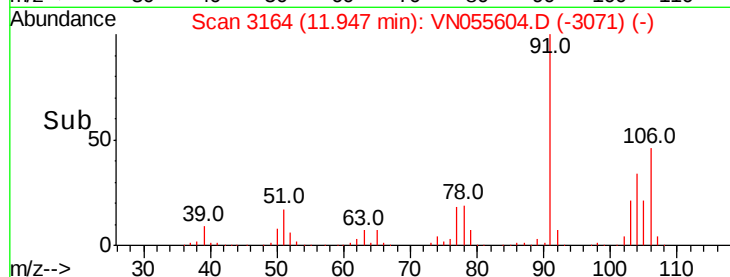
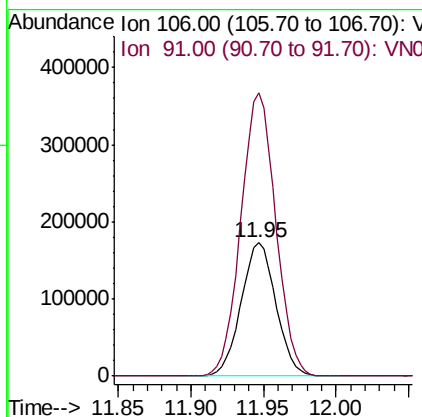
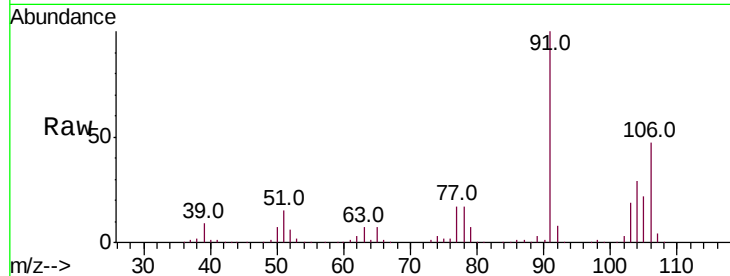
#69
o-Xylene
Concen: 49.328 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Instrument :
MSVOA_N
ClientSampled :
ICVVN051719

Tot Ion:106 Resp: 288266
Ion Ratio Lower Upper
106 100
91 212.8 106.7 320.2

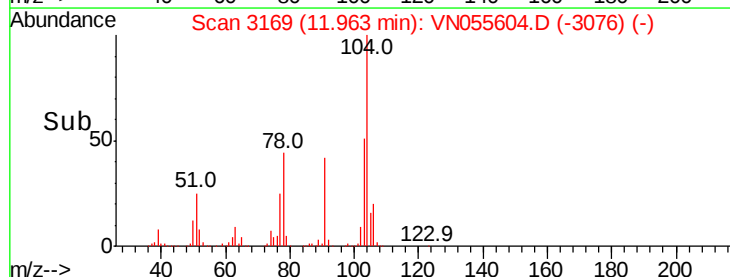
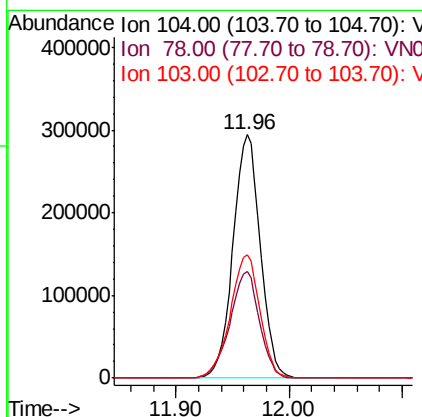
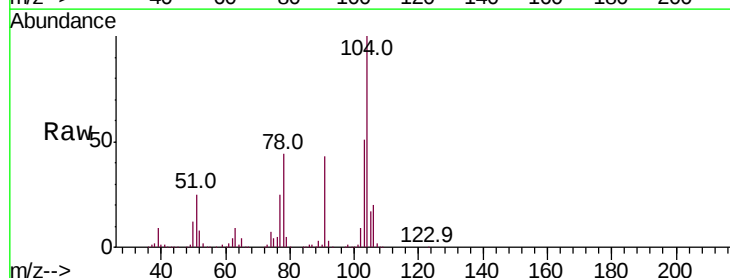
Manual Integrations
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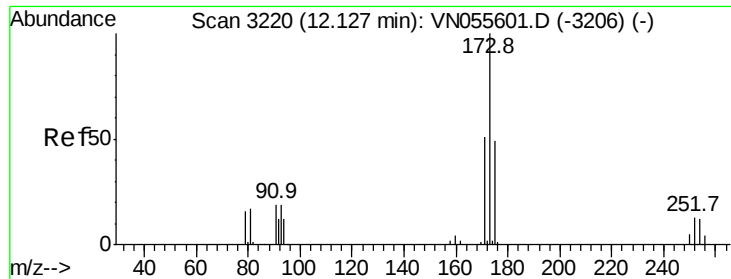
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#70
Styrene
Concen: 50.706 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Tgt Ion:104 Resp: 492697
Ion Ratio Lower Upper
104 100
78 47.4 38.6 58.0
103 55.1 44.4 66.6





#71

Bromoform

Concen: 49.949 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051719

Tot Ion:173 Resp: 151240

Ion Ratio Lower Upper

173 100

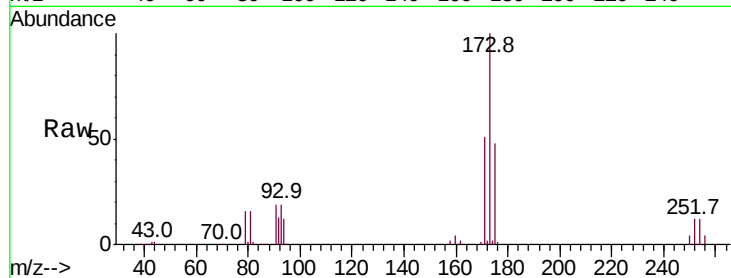
175 47.9 24.3 72.9

254 0.0 0.1 0.1#

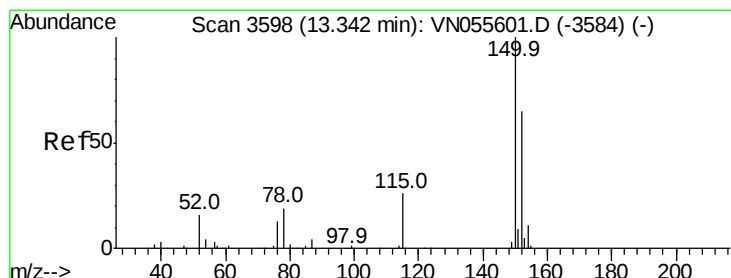
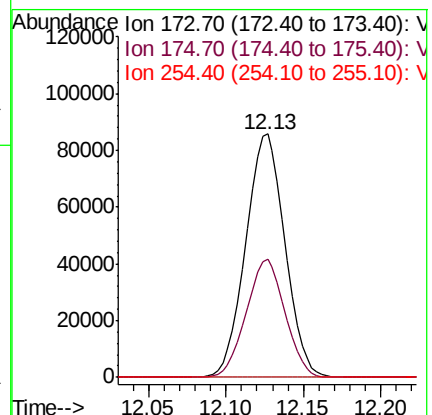
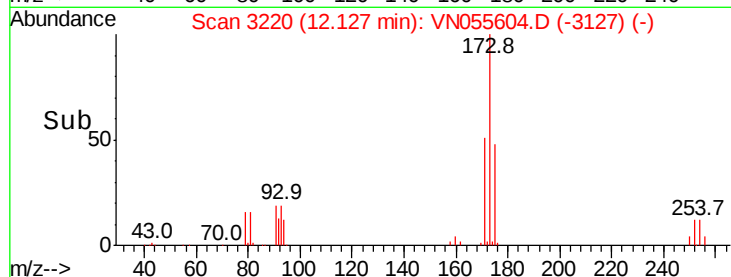
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

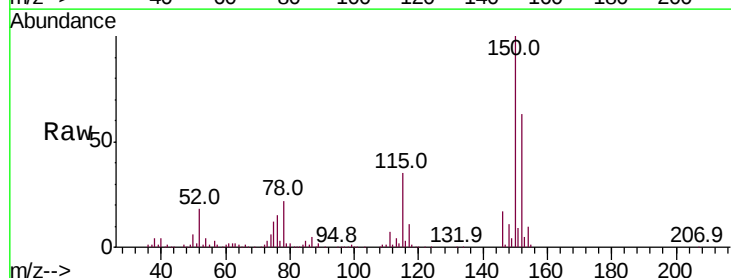
Tgt Ion:152 Resp: 204771

Ion Ratio Lower Upper

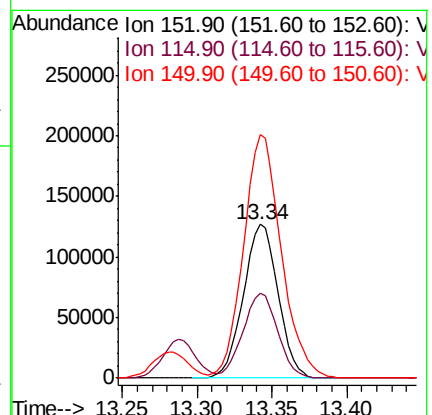
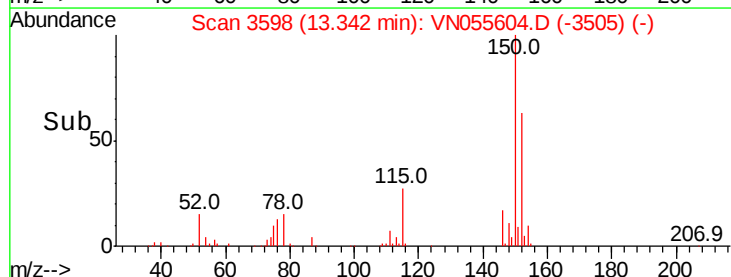
152 100

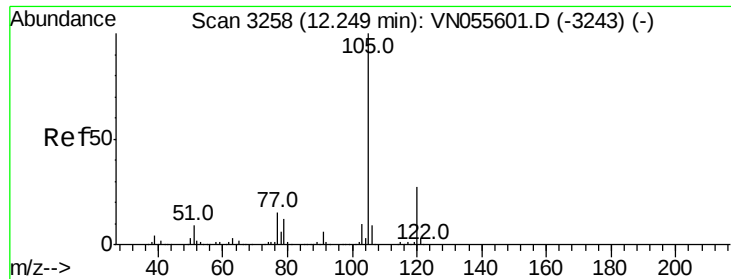
115 55.3 28.1 84.2

150 172.5 0.0 348.0



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: 53.668 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

ClientSampleId :

ICV051719

Tot Ion:105 Resp: 768655

Ion Ratio Lower Upper

105 100

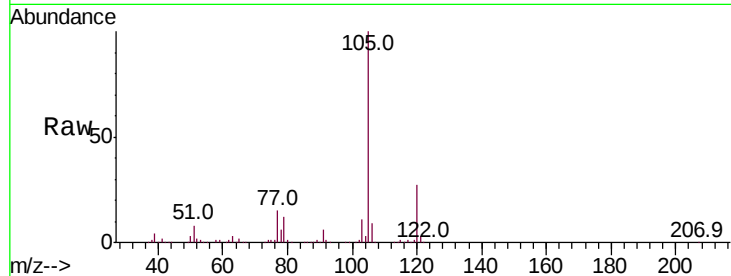
120 26.6 13.4 40.2

Manual Integrations

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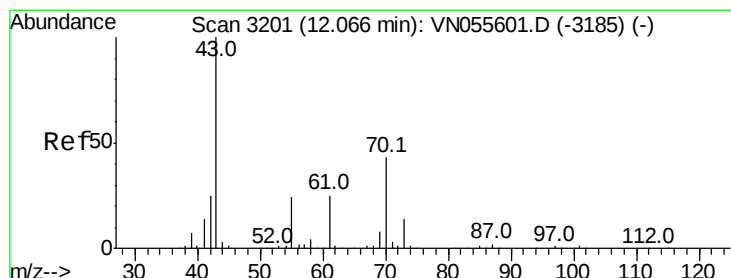
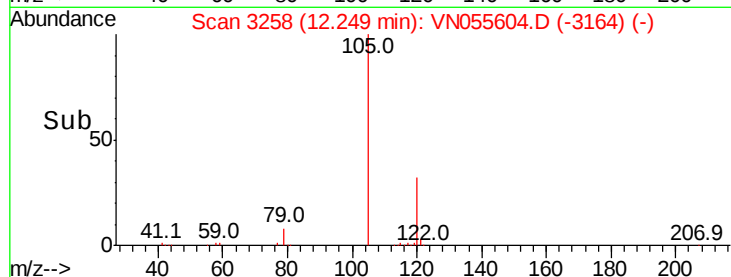
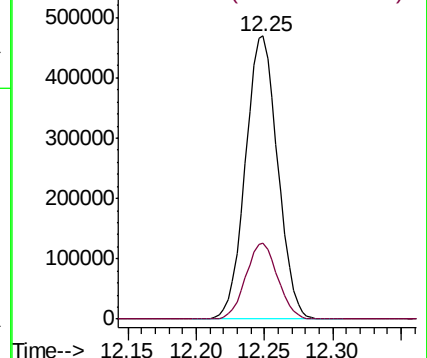
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.259 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Tgt Ion: 43 Resp: 288982

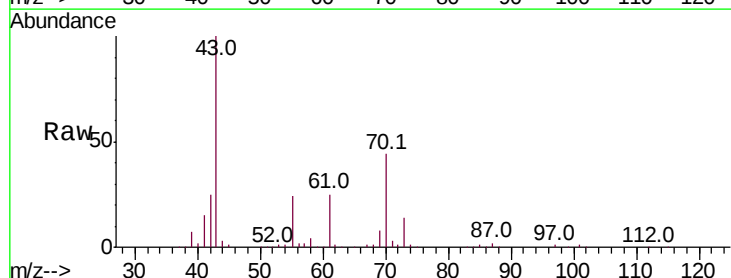
Ion Ratio Lower Upper

43 100

70 44.5 35.0 52.6

55 23.7 18.9 28.3

61 25.6 20.1 30.1

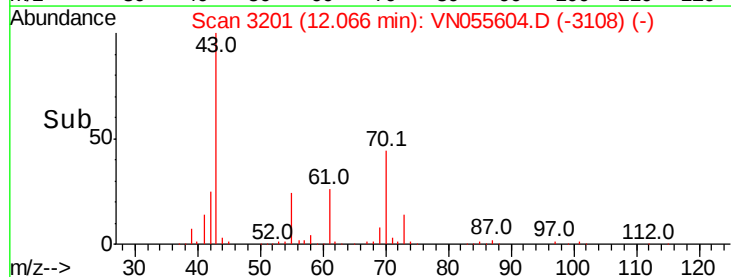
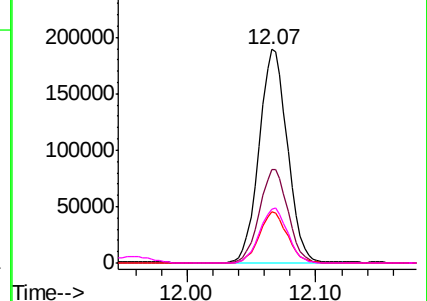


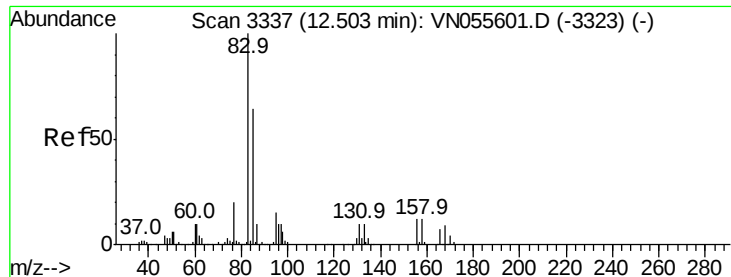
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.013 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

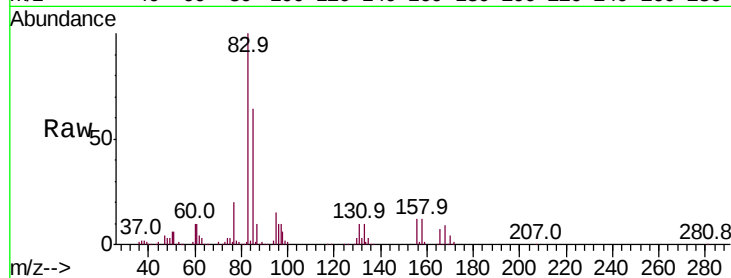
ClientSampleId :

ICVVN051719

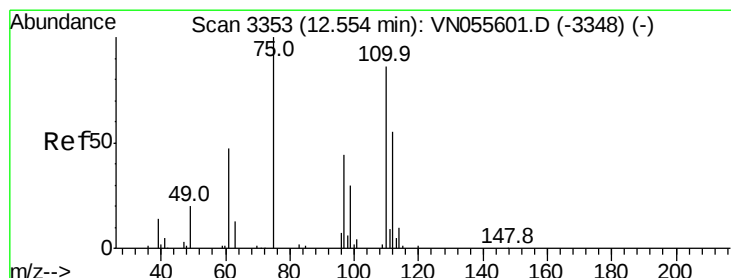
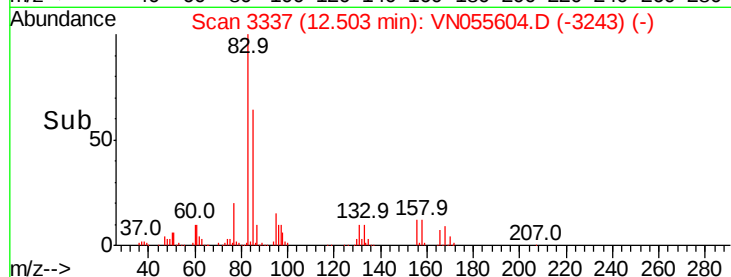
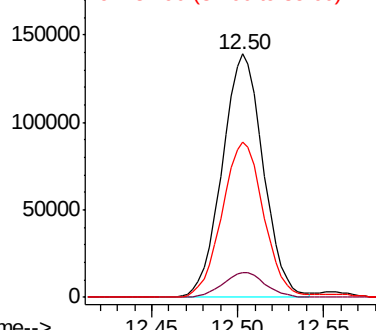
Tot Ion:	83	Resp:	229276
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	16.1
85	64.7	32.0	96.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055604.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 44.773 ug/l m

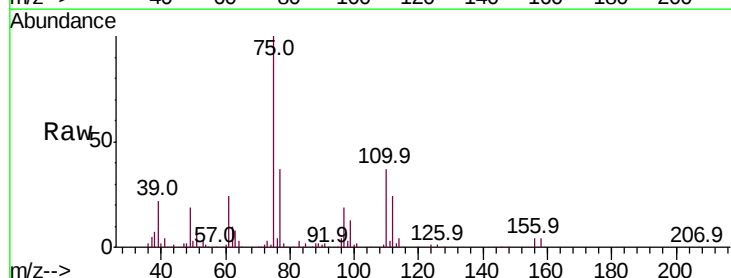
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

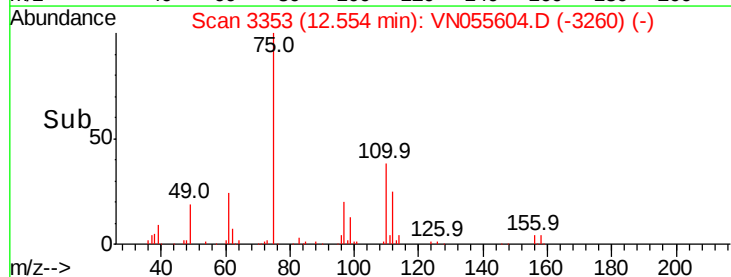
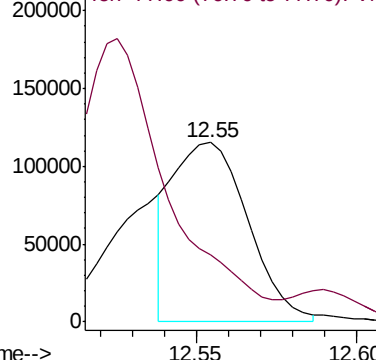
Lab File: VN055604.D

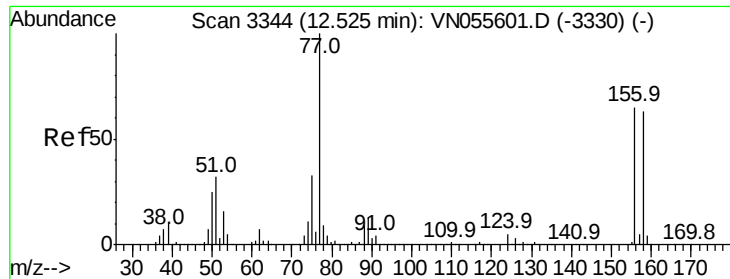
Acq: 17 May 2019 12:05

Tgt Ion:	75	Resp:	187080
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055604.D (-3348) (-)





#77

Bromobenzene

Concen: 47.242 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

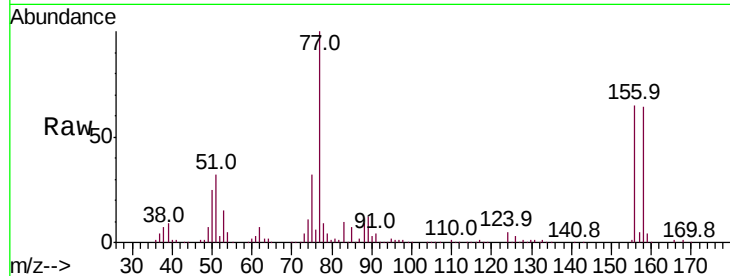
ClientSampleId :

ICVVN051719

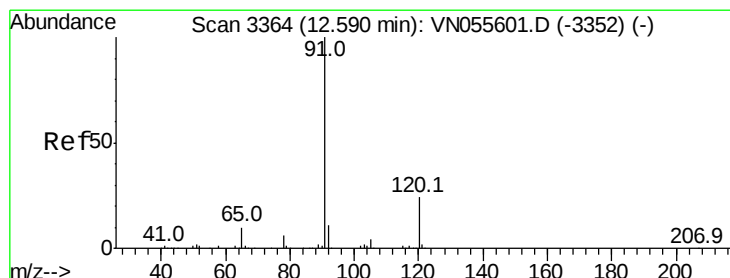
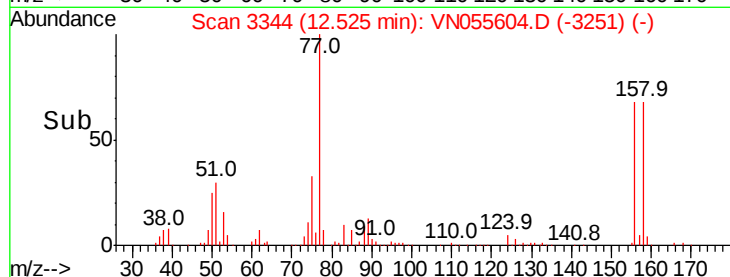
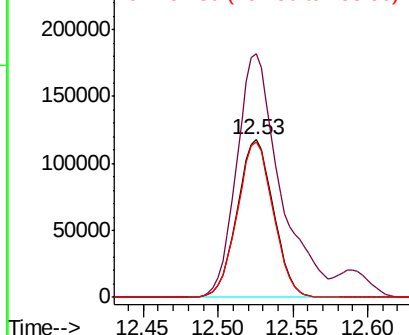
Tot Ion:	156	Resp:	198673
Ion Ratio	Lower	Upper	
156	100		
77	185.4	94.5	283.5
158	98.1	49.0	147.2

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Abundance Ion 155.80 (155.50 to 156.50): V
250000
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.328 ug/l

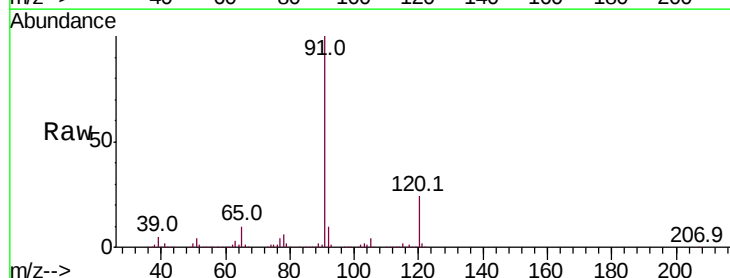
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

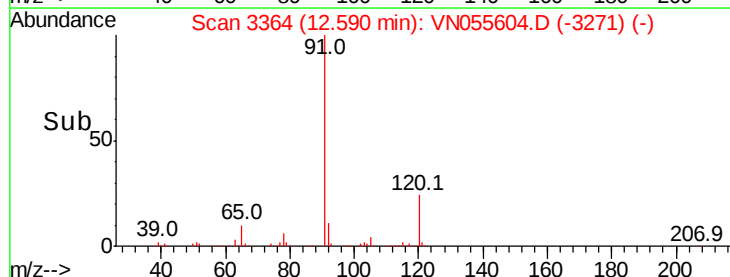
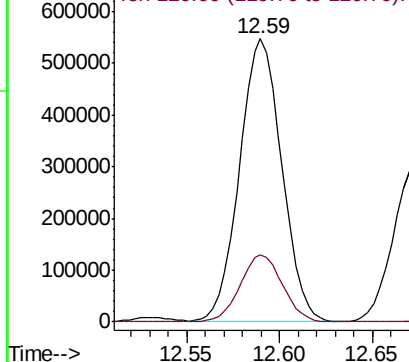
Lab File: VN055604.D

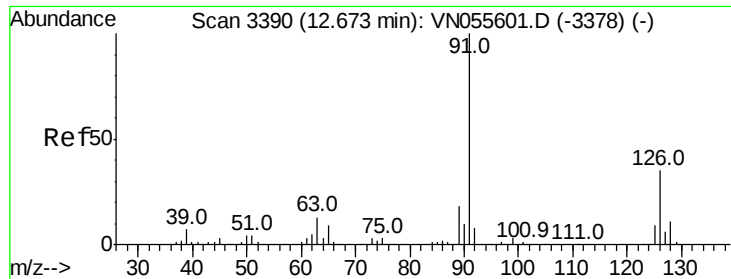
Acq: 17 May 2019 12:05

Tgt Ion:	91	Resp:	860628
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VN
600000
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.405 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051719

Tot Ion: 91 Resp: 509215

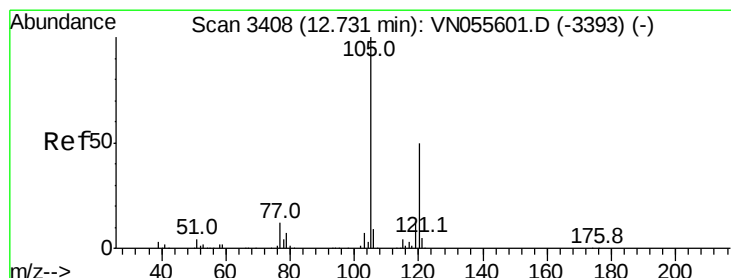
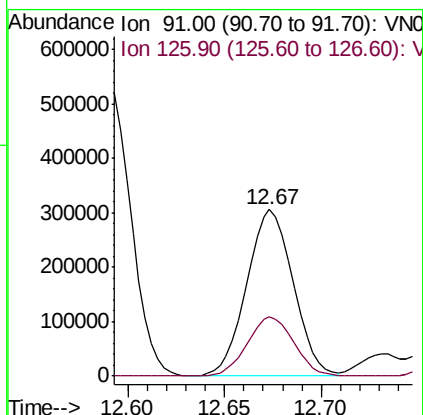
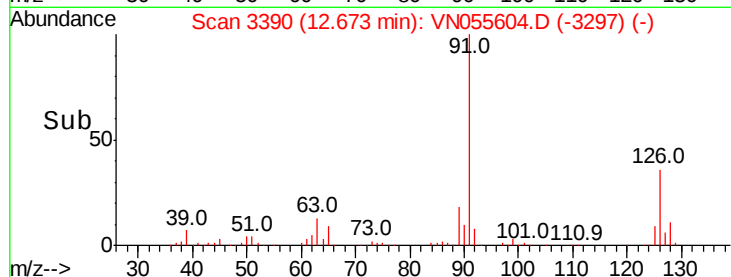
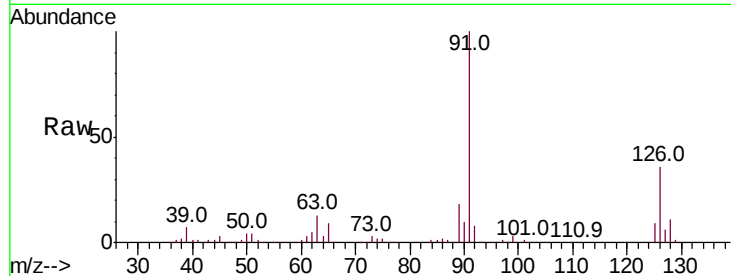
Ion Ratio Lower Upper

91 100

126 36.0 17.8 53.4

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#80

1,3,5-Trimethylbenzene

Concen: 53.688 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055604.D

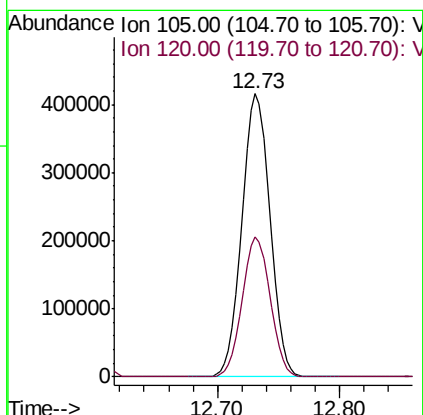
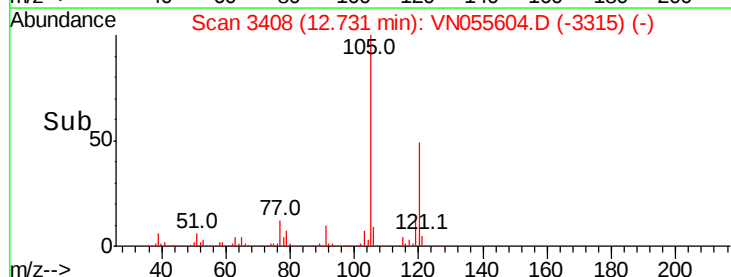
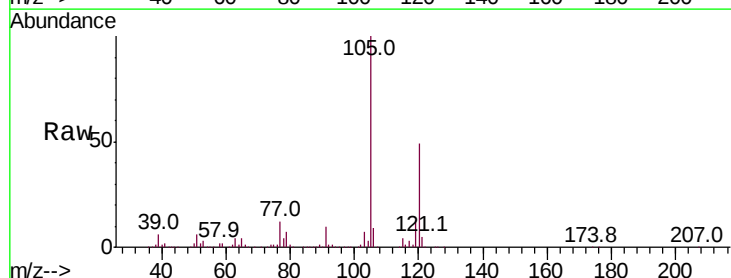
Acq: 17 May 2019 12:05

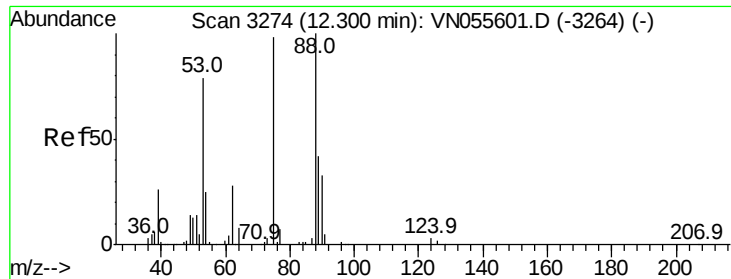
Tgt Ion:105 Resp: 657209

Ion Ratio Lower Upper

105 100

120 49.3 24.6 74.0





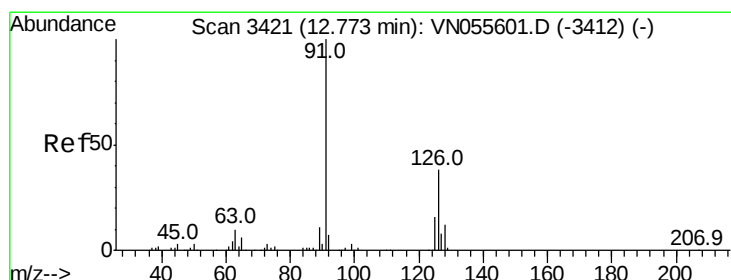
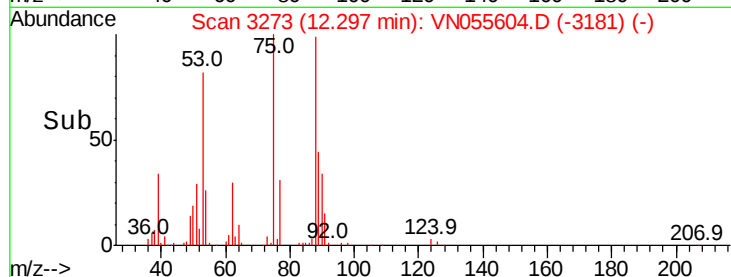
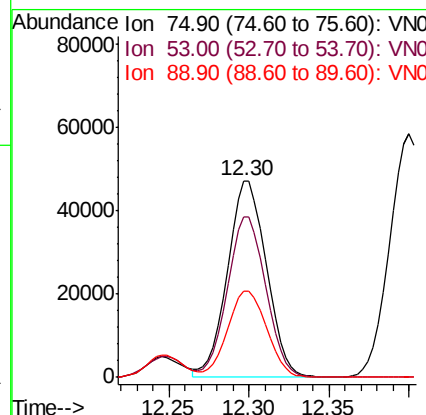
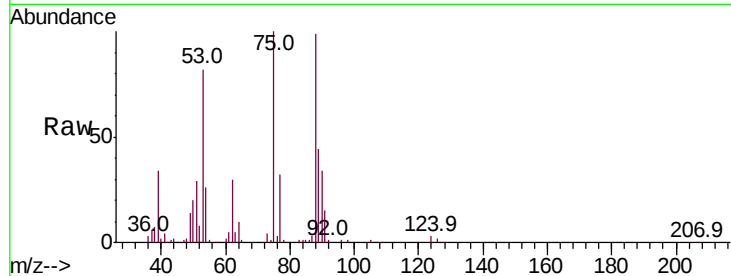
#81
trans-1,4-Dichloro-2-butene
Concen: 48.340 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051719

Tot Ion	Ratio	Lower	Upper
75	100		
53	79.7	65.1	97.7
89	44.2	36.4	54.6

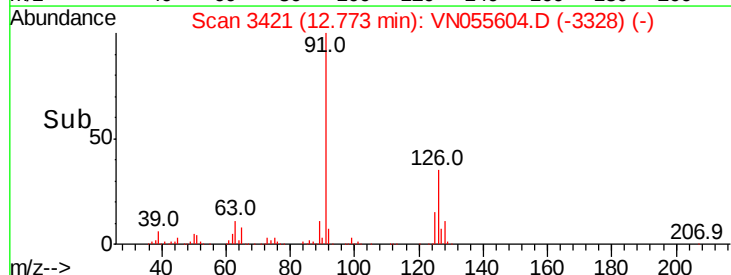
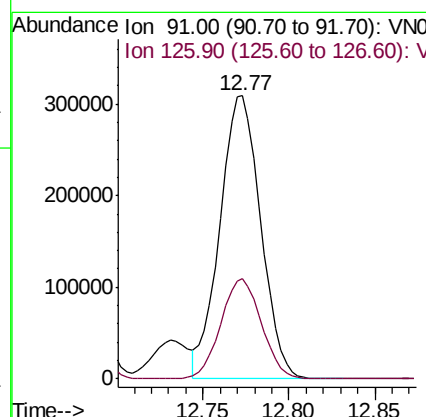
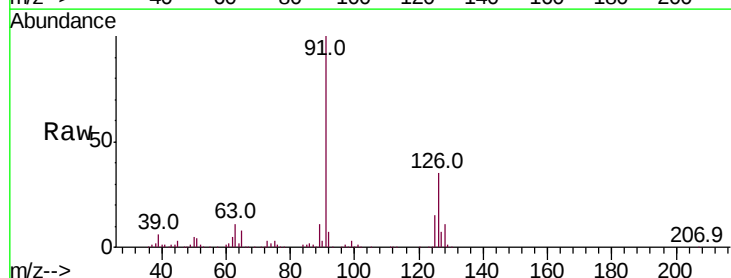
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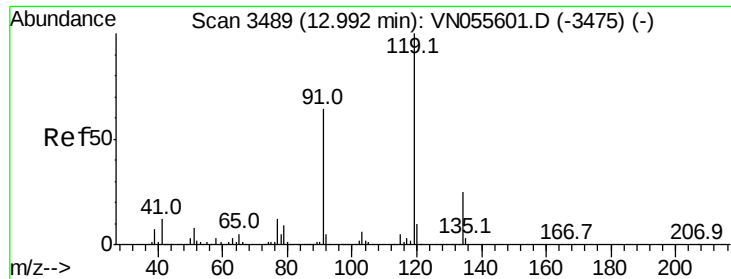
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#82
4-Chlorotoluene
Concen: 47.680 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.5	52.6





#83

tert-Butylbenzene

Concen: 54.211 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

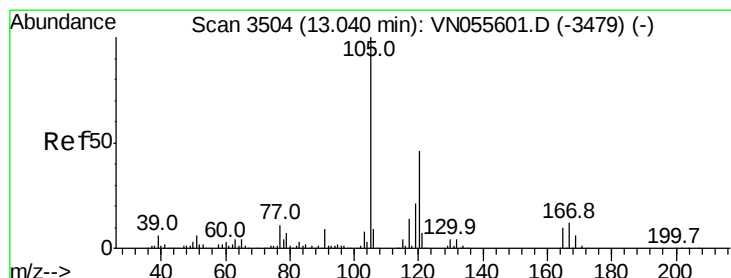
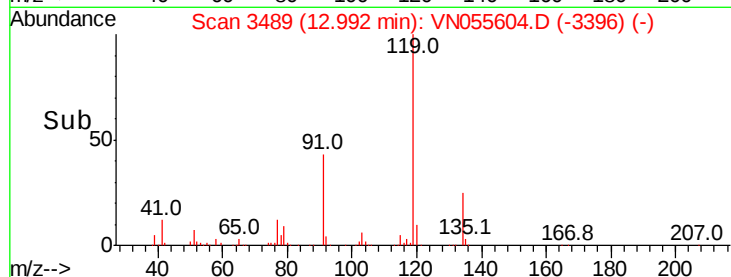
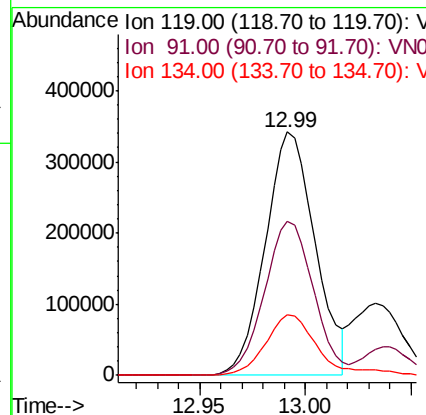
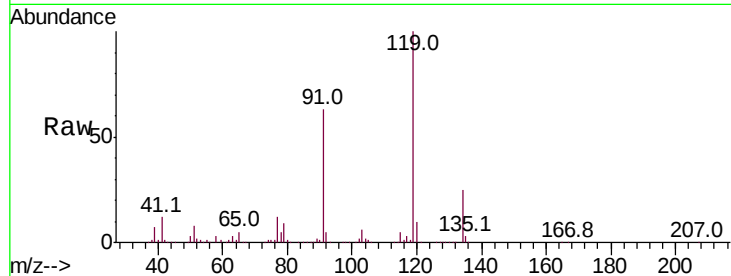
ClientSampled :

ICVVN051719

Tot Ion:	119	Resp:	562535
Ion Ratio	Lower	Upper	
119	100		
91	62.2	31.3	93.8
134	26.2	13.2	39.6

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#84

1,2,4-Trimethylbenzene

Concen: 53.546 ug/l

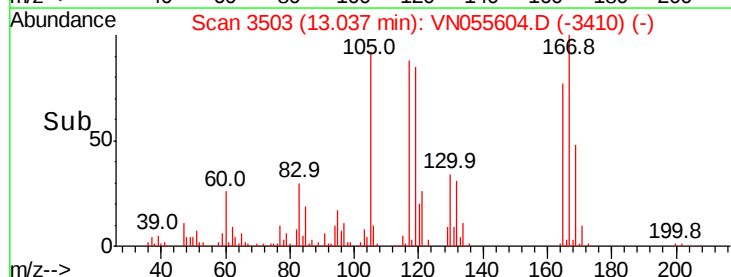
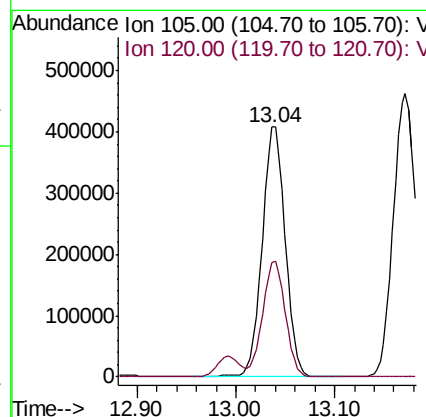
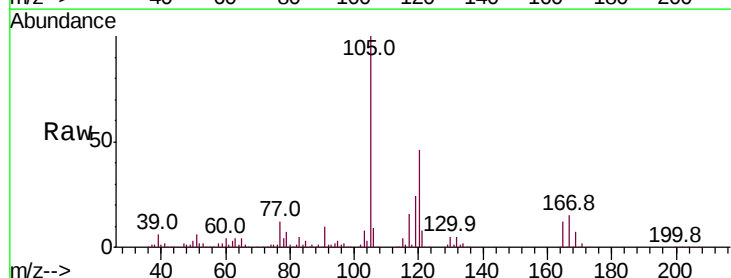
RT: 13.04 min Scan# 3503

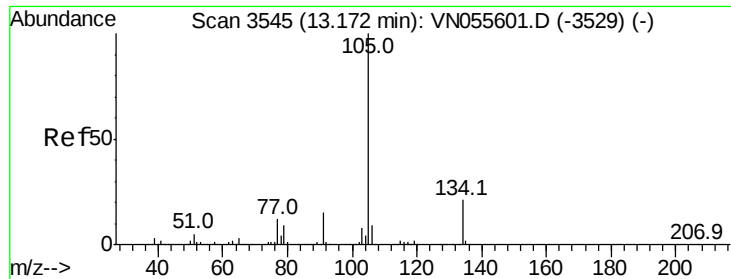
Delta R.T. -0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Tgt Ion:	105	Resp:	654792
Ion Ratio	Lower	Upper	
105	100		
120	45.6	23.1	69.2





#85

sec-Butylbenzene

Concen: 53.956 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051719

Tot Ion:105 Resp: 736338

Ion Ratio Lower Upper

105 100

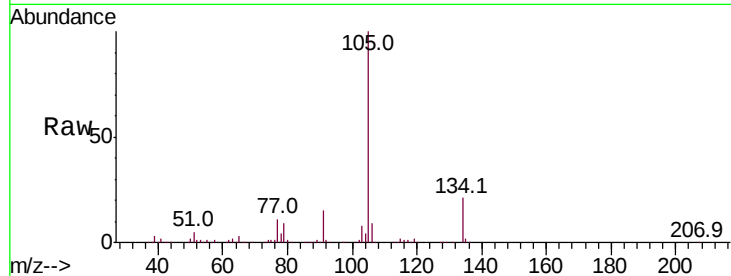
134 20.7 10.3 30.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

500000

400000

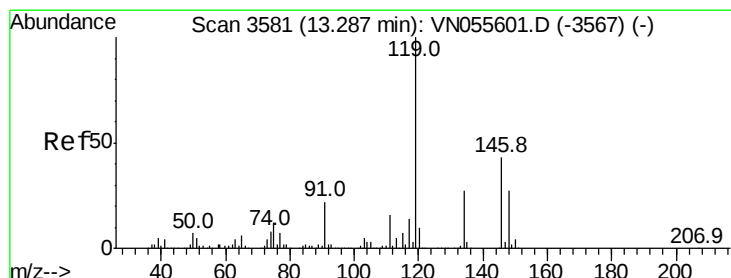
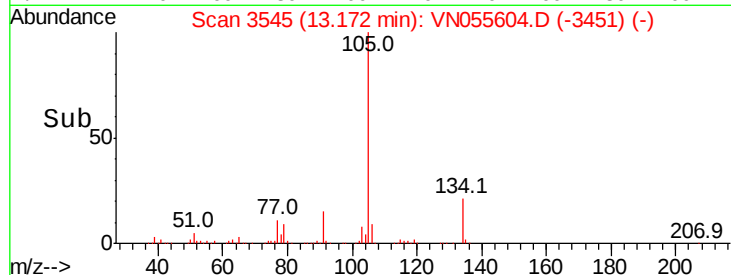
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 54.135 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

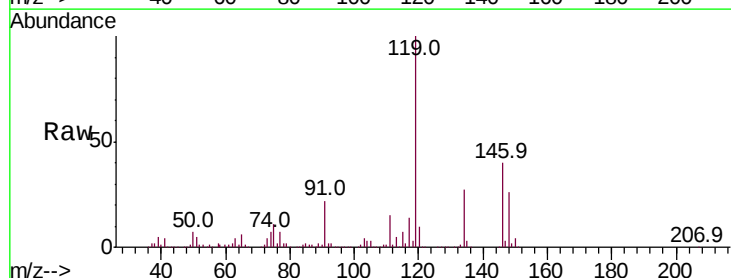
Tgt Ion:119 Resp: 688160

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 22.0 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

600000

500000

400000

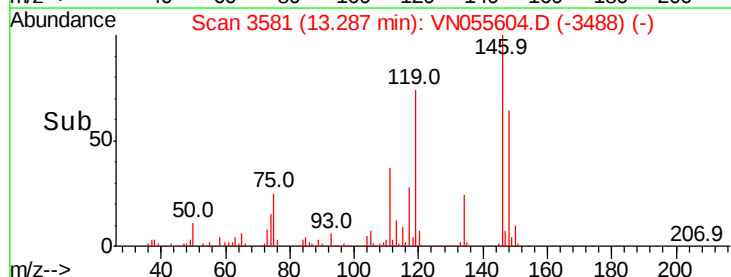
300000

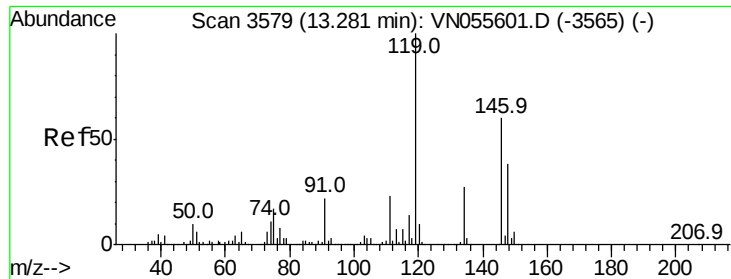
200000

100000

0

Time-->





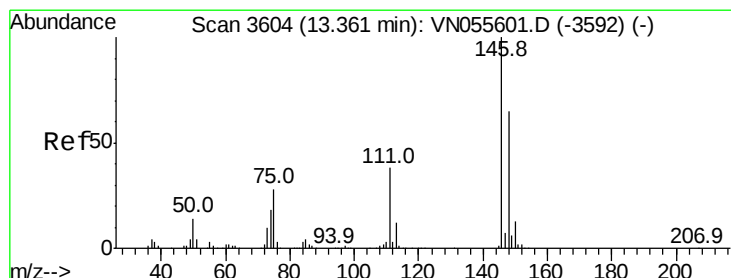
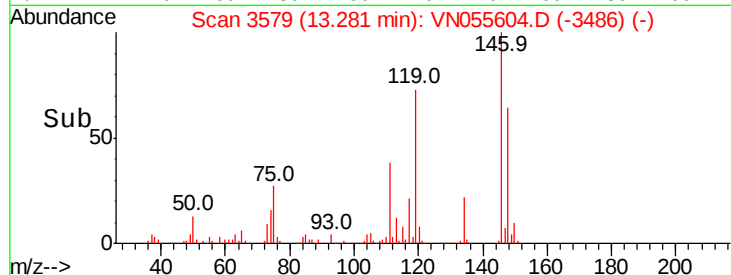
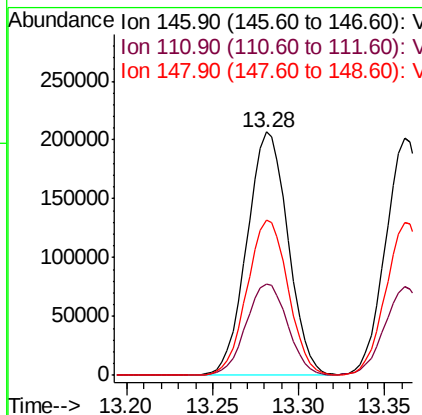
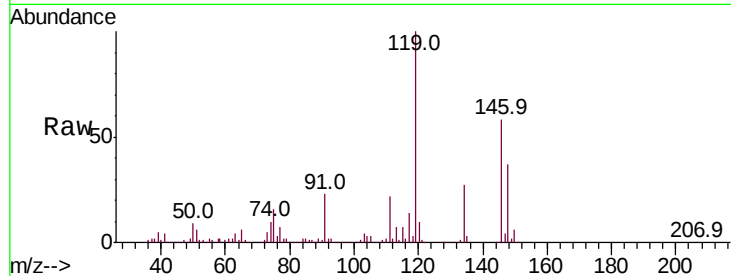
#87
 1,3-Dichlorobenzene
 Concen: 49.321 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055604.D
 Acq: 17 May 2019 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051719

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	63.9	31.9	95.9

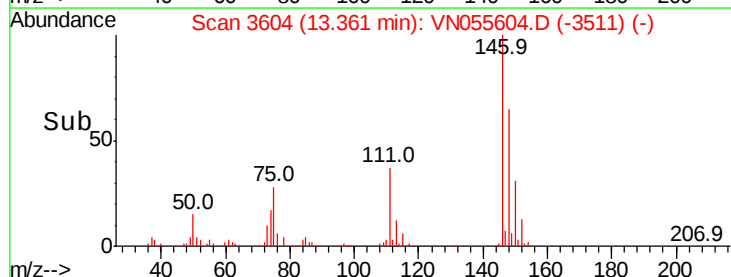
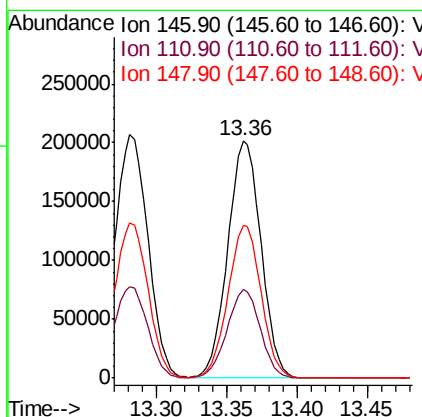
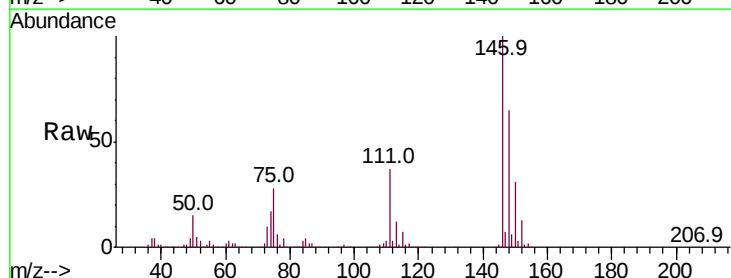
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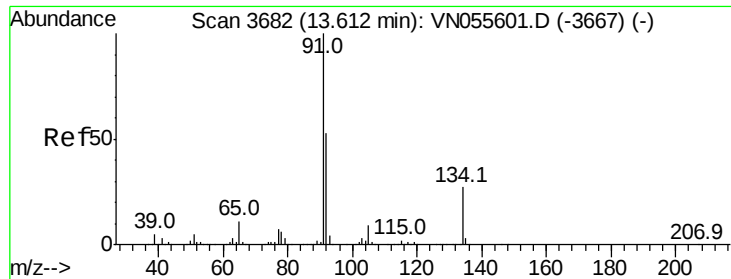
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 5/20/2019 9:10:23 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.128 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055604.D
 Acq: 17 May 2019 12:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.4
148	64.1	32.4	97.0





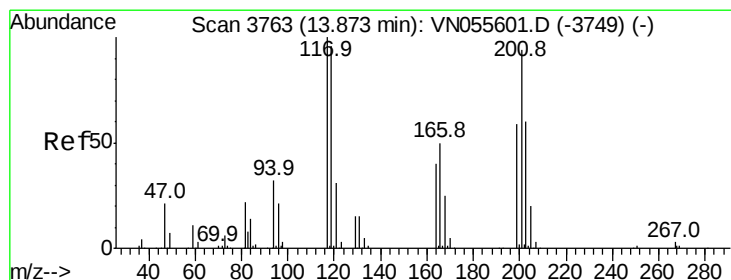
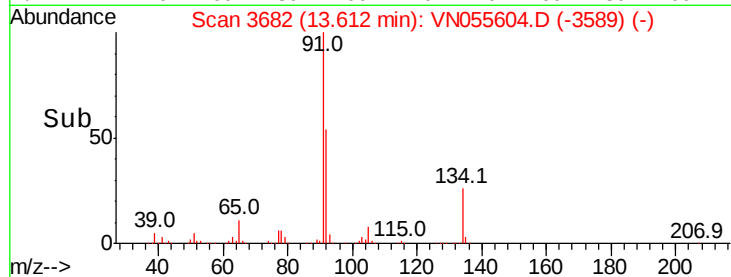
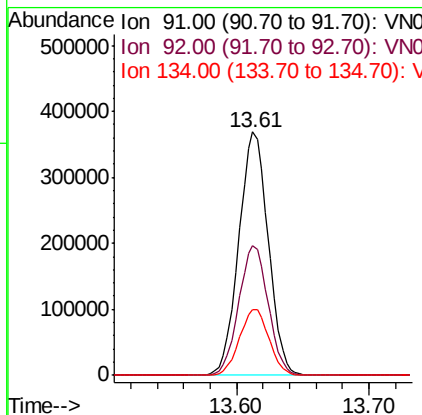
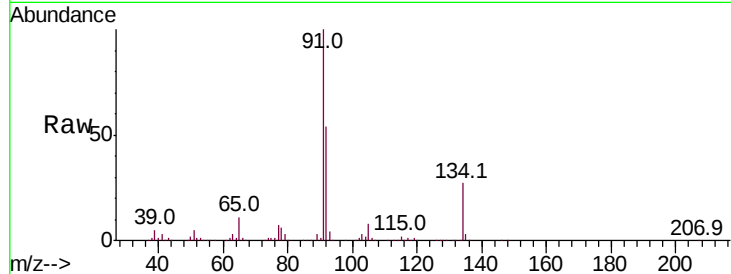
#89
n-Butylbenzene
Concen: 50.599 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051719

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.2	26.4	79.0	
134	27.2	13.7	41.1	

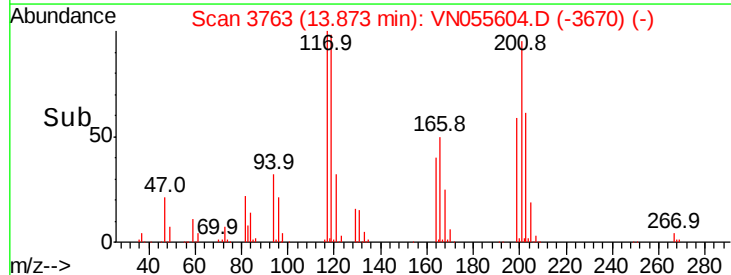
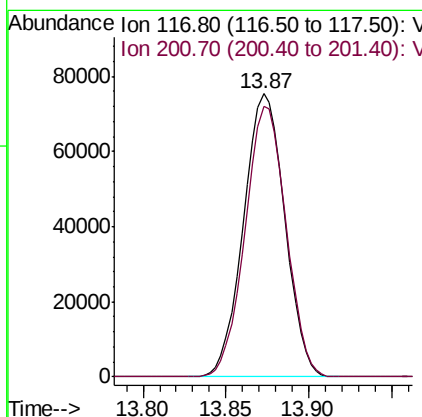
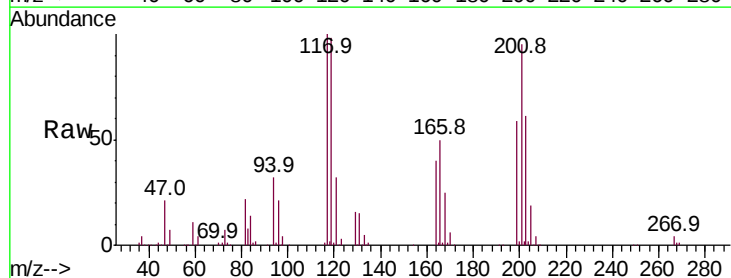
Manual Integrations
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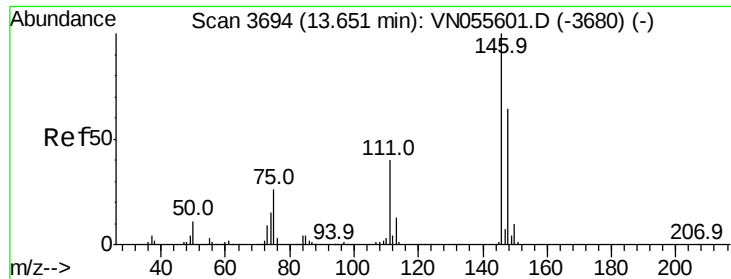
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5/20/2019 9:10:23 AM



#90
Hexachloroethane
Concen: 53.761 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055604.D
Acq: 17 May 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	94.6	47.1	141.3	





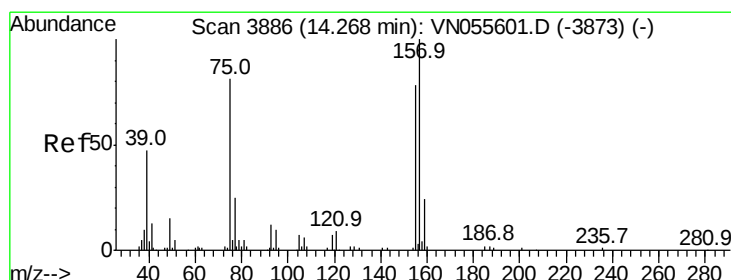
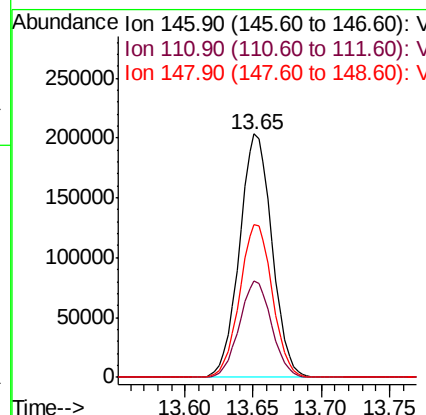
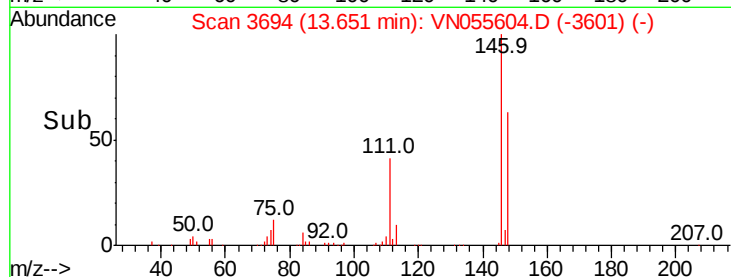
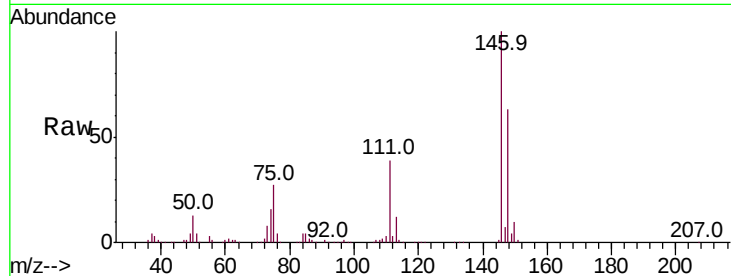
#91
 1,2-Dichlorobenzene
 Concen: 48.411 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055604.D
 Acq: 17 May 2019 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN051719

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.2	19.7	59.0	
148	63.2	32.1	96.3	

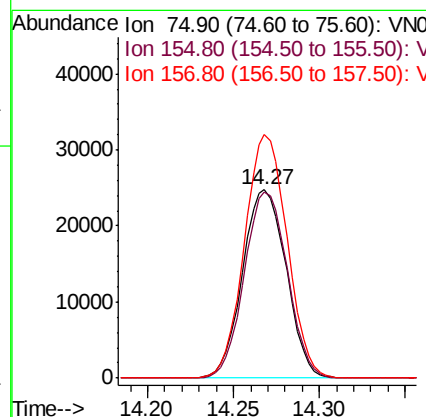
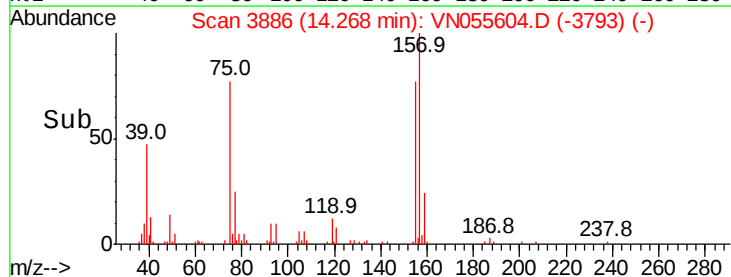
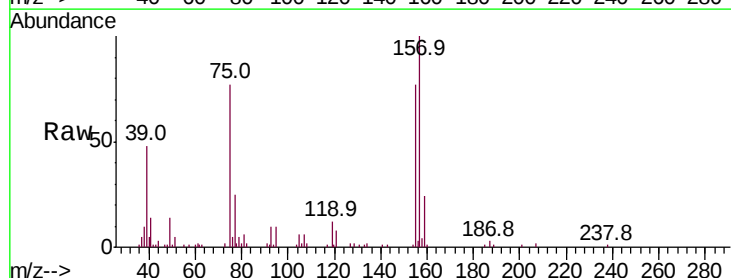
Manual Integrations
 APPROVED

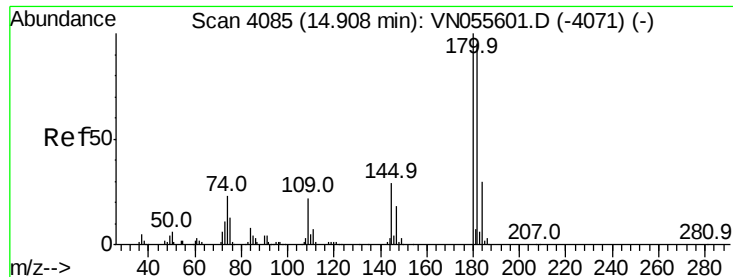
MMDadoda
 5/20/2019 9:10:23 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.932 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055604.D
 Acq: 17 May 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	97.3	48.4	145.0	
157	126.1	62.3	186.8	





#93

1,2,4-Trichlorobenzene

Concen: 53.762 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

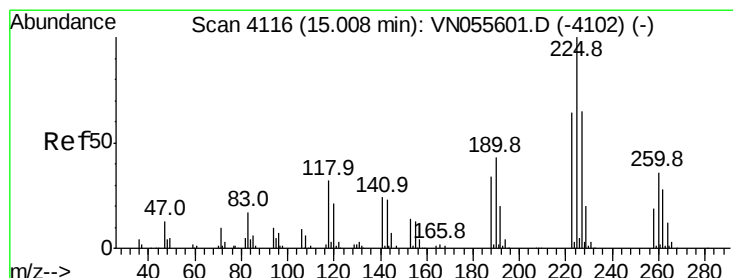
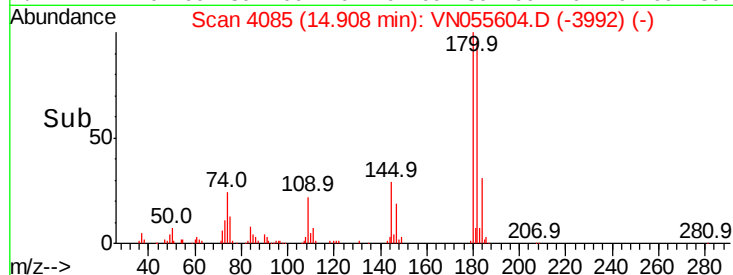
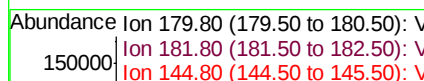
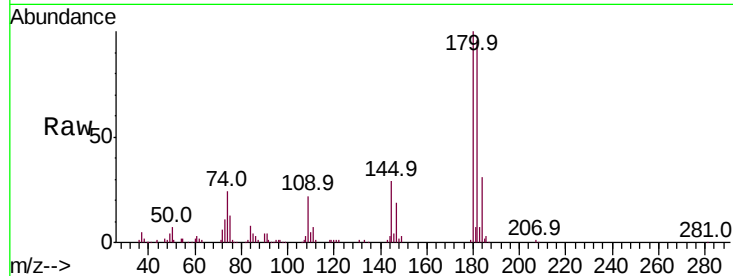
ClientSampleId :

ICVVN051719

Tot Ion:	180	Resp:	189683
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.9	143.6
145	28.9	14.3	42.9

Manual Integrations
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5/20/2019 9:10:23 AM



#94

Hexachlorobutadiene

Concen: 60.403 ug/l

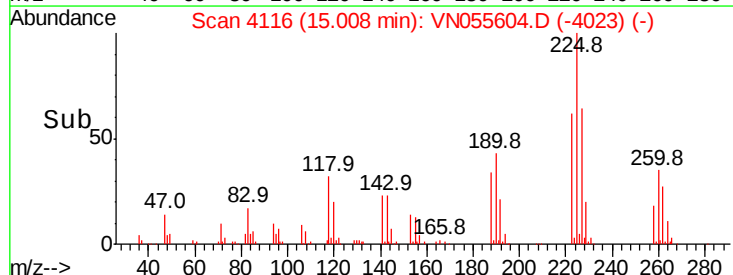
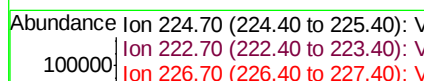
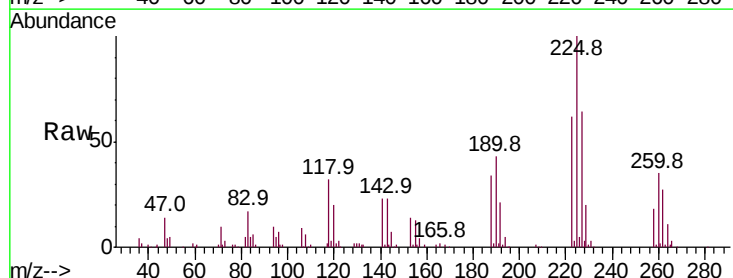
RT: 15.01 min Scan# 4116

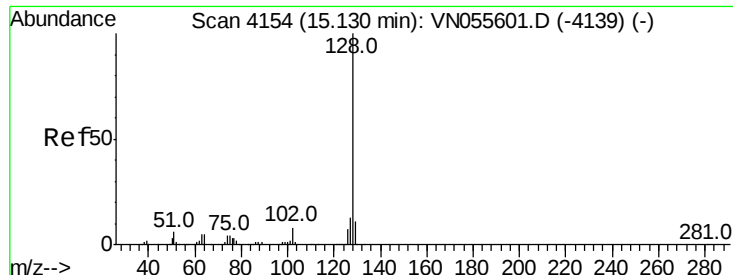
Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Tgt Ion:	225	Resp:	127336
Ion Ratio	Lower	Upper	
225	100		
223	62.1	31.6	94.7
227	64.5	32.4	97.0





#95

Naphthalene

Concen: 46.489 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Instrument :

MSVOA_N

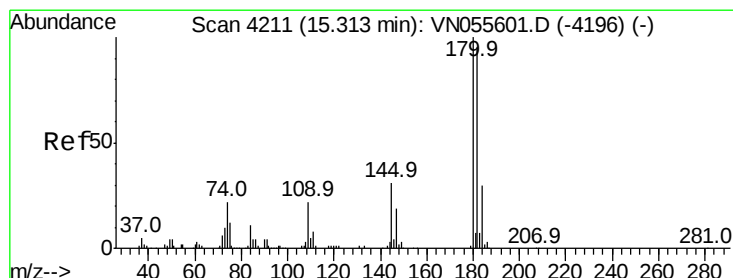
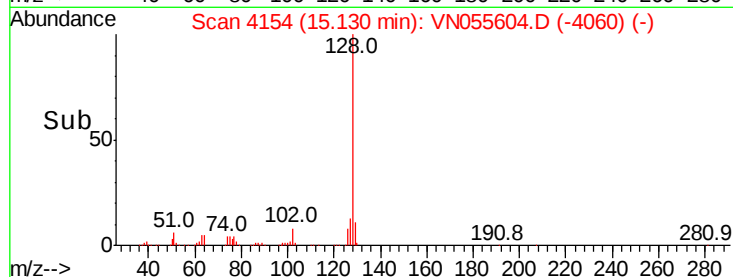
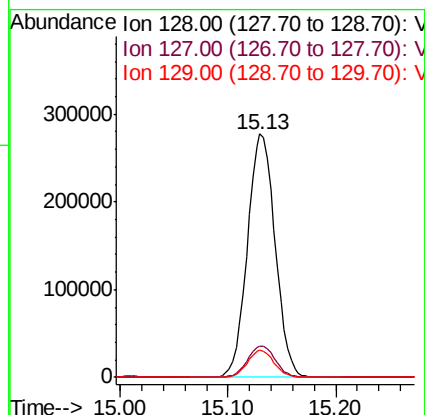
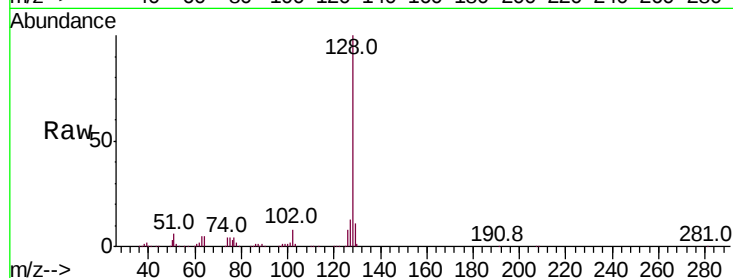
ClientSampleId :

ICVVN051719

Tot Ion:	128	Resp:	493659
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.8	8.6	12.8

Manual Integrations
APPROVED

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5/20/2019 9:10:23 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.594 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055604.D

Acq: 17 May 2019 12:05

Tgt Ion:	180	Resp:	190335
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.9	143.6
145	30.0	15.4	46.1

