

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055615.D
 Acq On : 17 May 2019 17:09
 Operator : JC/SP
 Sample : VN0517WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 9:08:50 AM

Quant Time: May 18 03:40:39 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	7.67	168	324787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	493997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	427699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187003	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	178231	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	7.59	113	159165	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	10.09	98	586771	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.40	95	199700	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	45770	18.316	ug/l	98
3) Chloromethane	2.06	50	60629	18.190	ug/l	99
4) Vinyl Chloride	2.19	62	67768	18.776	ug/l	99
5) Bromomethane	2.57	94	48742	21.190	ug/l	100
6) Chloroethane	2.71	64	38618	19.270	ug/l	99
7) Trichlorofluoromethane	3.03	101	89630	19.379	ug/l	100
8) Diethyl Ether	3.41	74	37500	20.183	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	53576	19.000	ug/l	99
10) Methyl Iodide	3.96	142	62245	15.312	ug/l	98
11) Tert butyl alcohol	4.77	59	69487	104.659	ug/l	96
12) 1,1-Dichloroethene	3.74	96	56528	19.058	ug/l	98
13) Acrolein	3.61	56	32672	97.308	ug/l	98
14) Allyl chloride	4.33	41	91946	19.202	ug/l	99
15) Acrylonitrile	4.99	53	151481	102.550	ug/l	99
16) Acetone	3.82	43	129027	88.804	ug/l	99
17) Carbon Disulfide	4.06	76	153312	18.593	ug/l	100
18) Methyl Acetate	4.33	43	62187	19.964	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	193261	19.695	ug/l	97
20) Methylene Chloride	4.56	84	62220	18.764	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	60709	19.213	ug/l	98
22) Diisopropyl ether	5.95	45	179116	18.877	ug/l	92
23) Vinyl Acetate	5.90	43	789246	98.028	ug/l	100
24) 1,1-Dichloroethane	5.85	63	109165	19.621	ug/l	100
25) 2-Butanone	6.83	43	200986	98.933	ug/l	100
26) 2,2-Dichloropropane	6.83	77	85919	17.400	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	71184	19.347	ug/l	97
28) Bromochloromethane	7.20	49	48650	20.100	ug/l	97
29) Tetrahydrofuran	7.21	42	137919	102.473	ug/l	99
30) Chloroform	7.37	83	109340	19.146	ug/l	98
31) Cyclohexane	7.66	56	100266	18.989	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	97070	18.950	ug/l	99
36) 1,1-Dichloropropene	7.80	75	81508	18.507	ug/l	99
37) Ethyl Acetate	6.93	43	84722	21.317	ug/l	98
38) Carbon Tetrachloride	7.78	117	87873	18.671	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	96950	18.260	ug/l	100
40) Benzene	8.04	78	250888	19.367	ug/l	99
41) Methacrylonitrile	7.18	41	33647m	19.802	ug/l	
42) 1,2-Dichloroethane	8.13	62	84884	20.235	ug/l	99
43) Isopropyl Acetate	8.16	43	136843	19.794	ug/l	99
44) Trichloroethene	8.84	130	71416	19.537	ug/l	98
45) 1,2-Dichloropropane	9.12	63	65283	19.129	ug/l	99
46) Dibromomethane	9.21	93	43878	19.644	ug/l	98
47) Bromodichloromethane	9.40	83	88016	18.802	ug/l	98
48) Methyl methacrylate	9.20	41	61609	19.938	ug/l	97
49) 1,4-Dioxane	9.20	88	26570	432.729	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	403062	99.393	ug/l	99
52) Toluene	10.16	92	154244	18.983	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	95018	18.859	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	105280	19.074	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	64577	19.306	ug/l	99
56) Ethyl methacrylate	10.43	69	97962	18.761	ug/l	99
57) 1,3-Dichloropropane	10.71	76	101889	19.232	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	219296	98.841	ug/l	99
59) 2-Hexanone	10.75	43	278930	97.696	ug/l	100
60) Dibromochloromethane	10.90	129	72954	19.243	ug/l	100
61) 1,2-Dibromoethane	11.01	107	65118	19.456	ug/l	99
64) Tetrachloroethene	10.63	164	64823	19.216	ug/l	100
65) Chlorobenzene	11.44	112	163532	18.904	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	66968	19.243	ug/l	99
67) Ethyl Benzene	11.51	91	290686	18.863	ug/l	100
68) m/p-Xylenes	11.62	106	219258	37.676	ug/l	98
69) o-Xylene	11.95	106	106602	18.728	ug/l	99
70) Styrene	11.96	104	179308	18.946	ug/l	99
71) Bromoform	12.13	173	57285	19.424	ug/l #	100
73) Isopropylbenzene	12.25	105	286577	20.412	ug/l	100
74) N-amyl acetate	12.07	43	100747	19.186	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	89244	20.590	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	74879m	19.623	ug/l	
77) Bromobenzene	12.53	156	73636	19.173	ug/l	96
78) n-propylbenzene	12.59	91	305234	18.380	ug/l	100
79) 2-Chlorotoluene	12.67	91	186721	20.001	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	233475	19.585	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	27299	18.390	ug/l	98
82) 4-Chlorotoluene	12.77	91	178805	18.274	ug/l	100
83) tert-Butylbenzene	12.99	119	205065	19.885	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	233633	19.819	ug/l	100
85) sec-Butylbenzene	13.17	105	263378	19.774	ug/l	100
86) p-Isopropyltoluene	13.29	119	238497	19.421	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	118252	18.622	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	115111	18.986	ug/l	99
89) n-Butylbenzene	13.61	91	188958	18.414	ug/l	100
90) Hexachloroethane	13.87	117	47015	19.838	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	118354	18.697	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17469	20.584	ug/l	100

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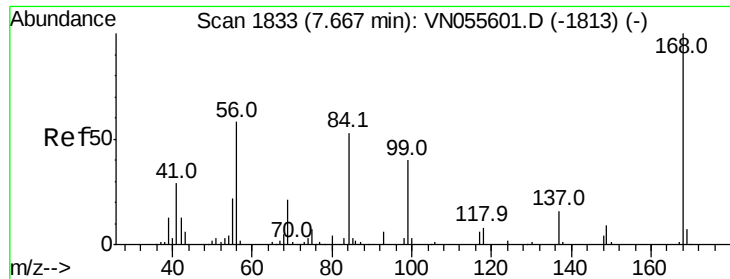
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	61107	18.965	ug/l	99
94) Hexachlorobutadiene	15.01	225	39830	18.654	ug/l	99
95) Naphthalene	15.13	128	170923	18.721	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	65253	19.369	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS01

Tot Ion:168 Resp: 324787

Ion Ratio Lower Upper

168 100

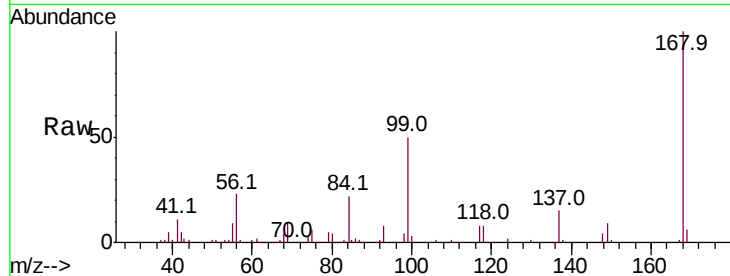
99 49.6 40.2 60.2

Manual Integrations

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5/20/2019 9:08:50 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

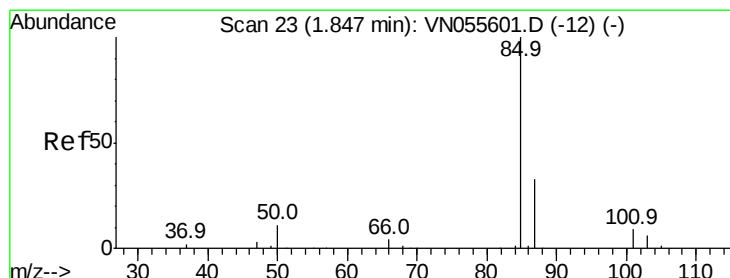
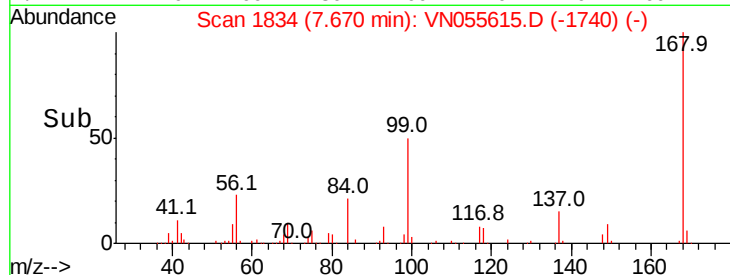
100000

50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.316 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055615.D

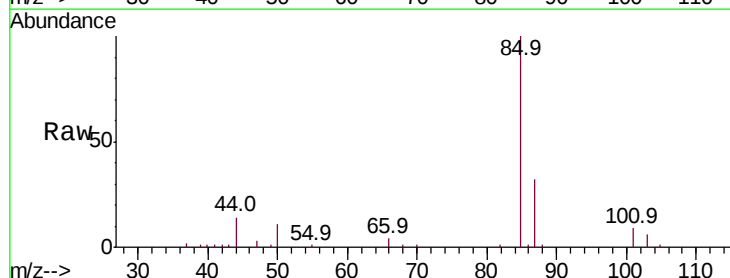
Acq: 17 May 2019 17:09

Tgt Ion: 85 Resp: 45770

Ion Ratio Lower Upper

85 100

87 32.1 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

30000

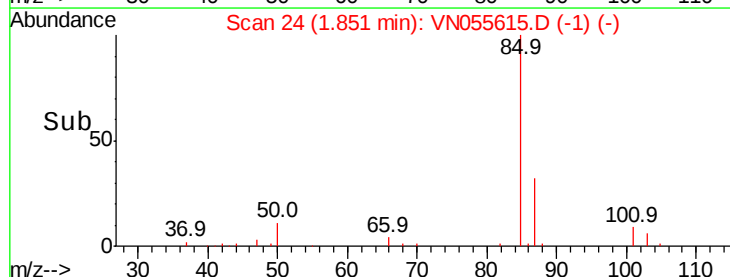
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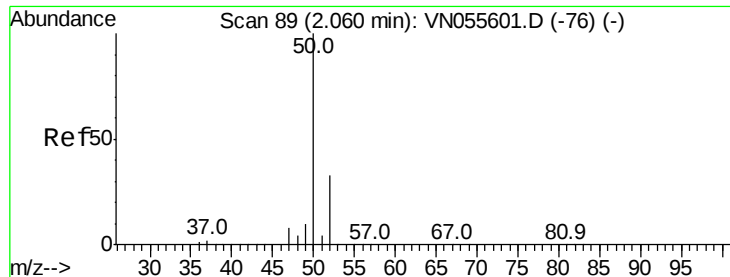
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0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.190 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS01

Tot Ion: 50 Resp: 60629

Ion Ratio Lower Upper

50 100

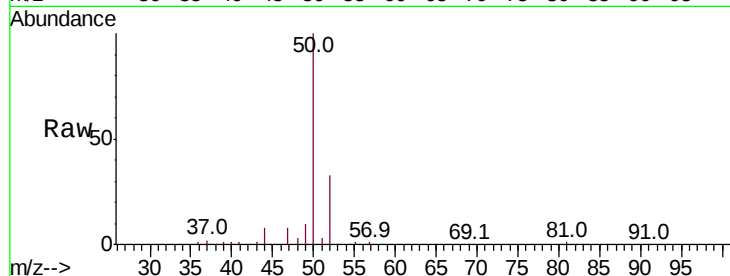
52 32.6 26.7 40.1

Manual Integrations

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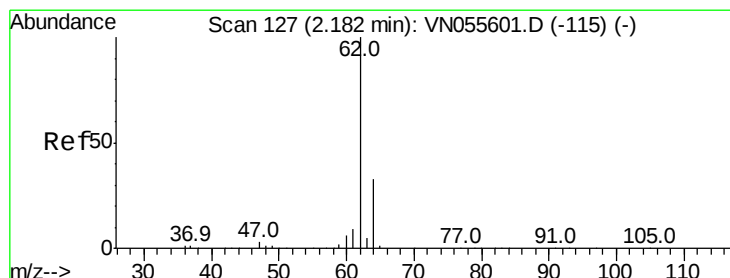
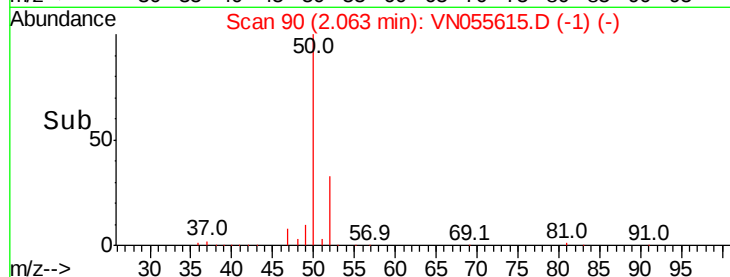
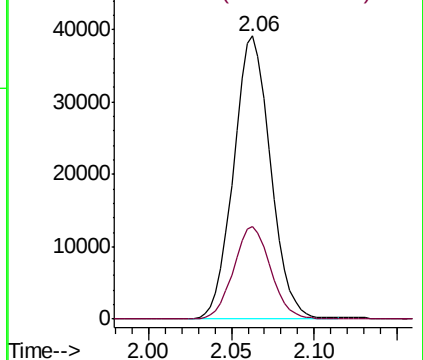
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.776 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055615.D

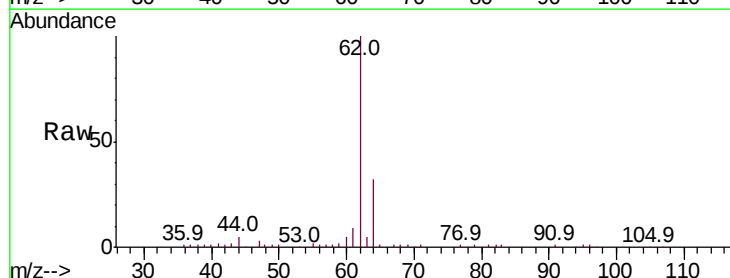
Acq: 17 May 2019 17:09

Tgt Ion: 62 Resp: 67768

Ion Ratio Lower Upper

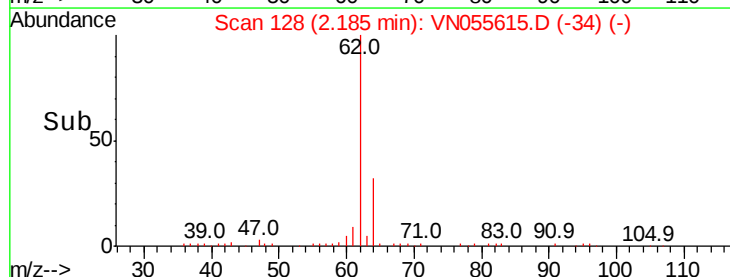
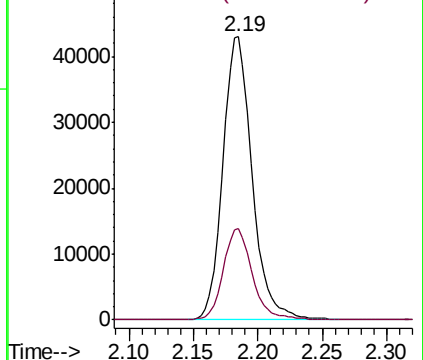
62 100

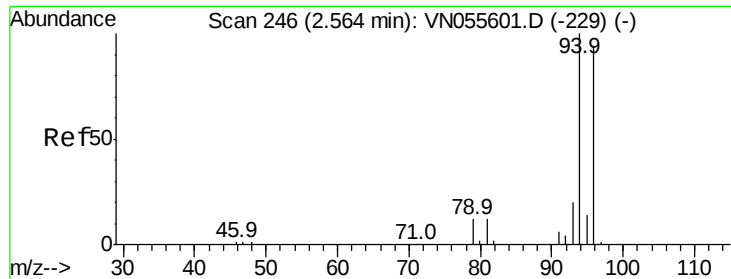
64 32.3 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





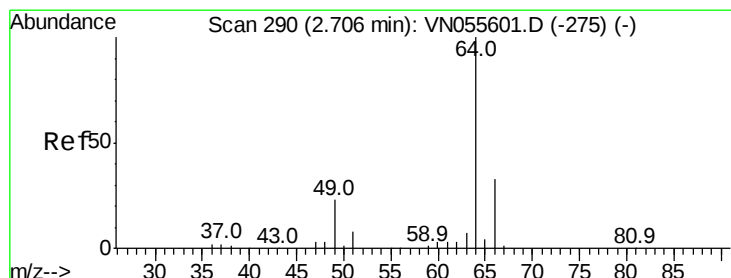
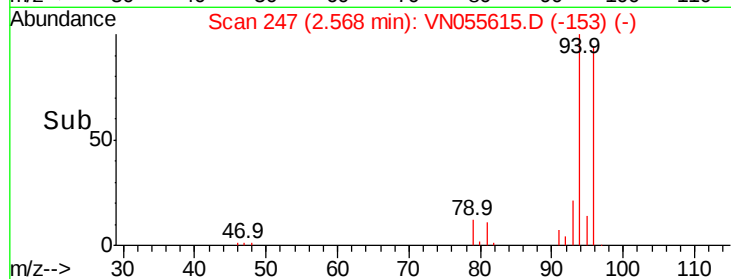
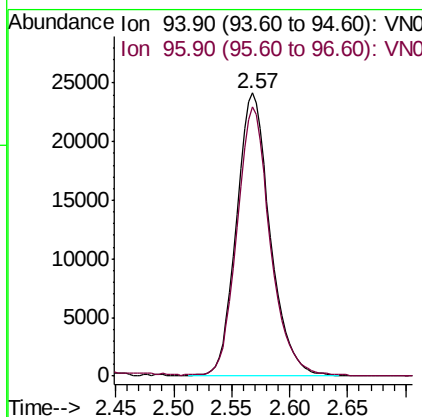
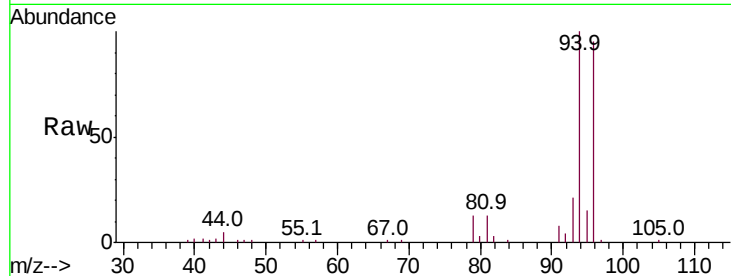
#5
Bromomethane
Concen: 21.190 ug/l
RT: 2.57 min Scan# 247
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

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MSVOA_N
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Tot Ion: 94 Resp: 48742
Ion Ratio Lower Upper
94 100
96 94.4 75.2 112.8

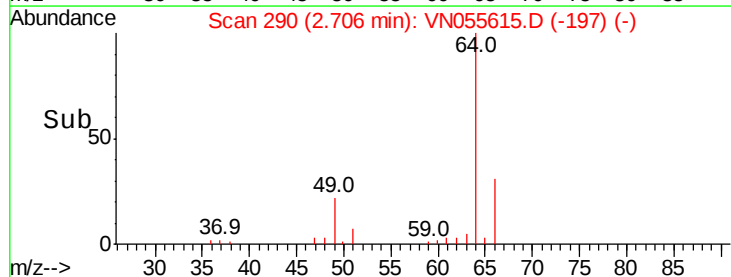
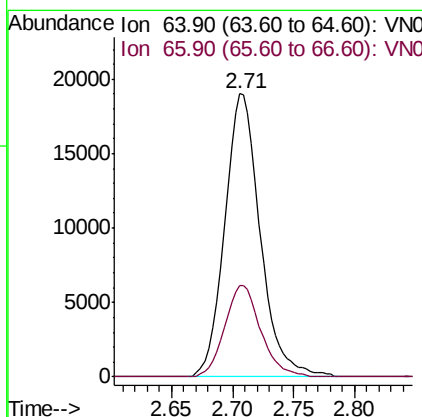
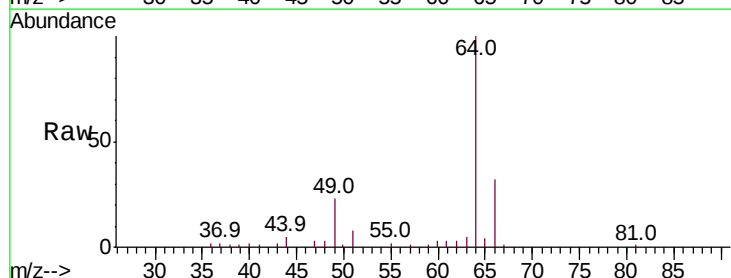
Manual Integrations
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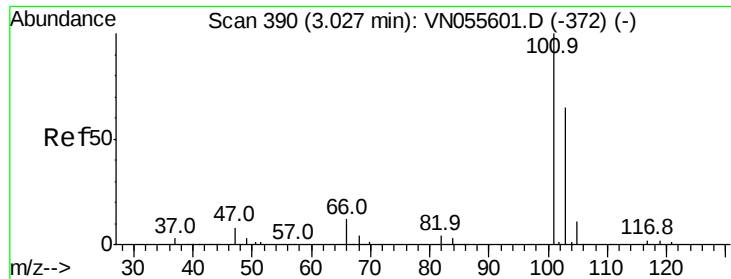
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5/20/2019 9:08:50 AM



#6
Chloroethane
Concen: 19.270 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion: 64 Resp: 38618
Ion Ratio Lower Upper
64 100
66 32.2 26.2 39.4





#7

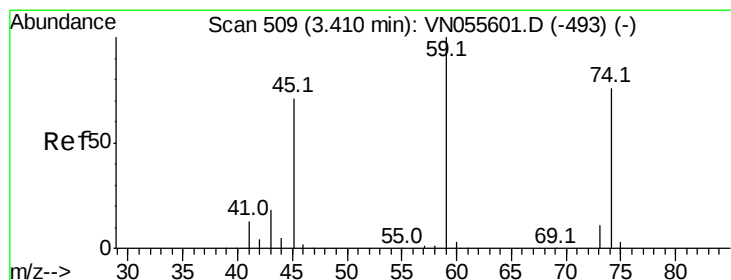
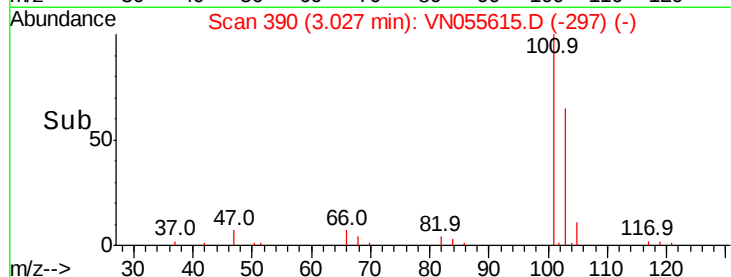
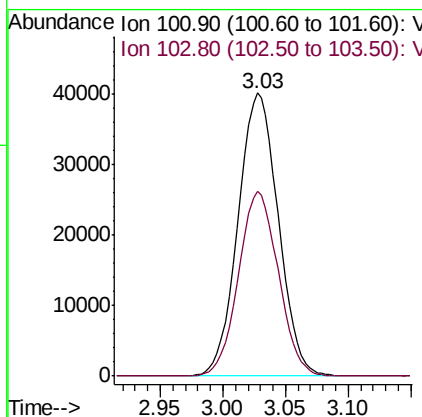
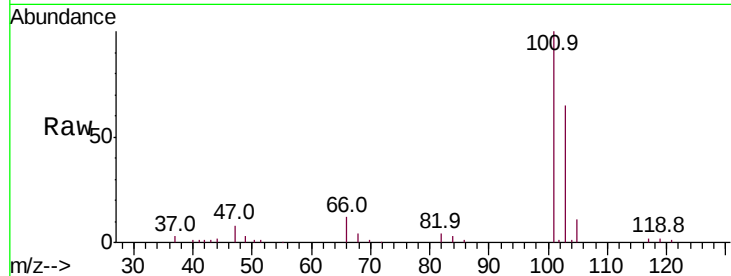
Trichlorofluoromethane
 Concen: 19.379 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Instrument :
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 ClientSampleId :
 VN0517WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.3	78.5

Manual Integrations
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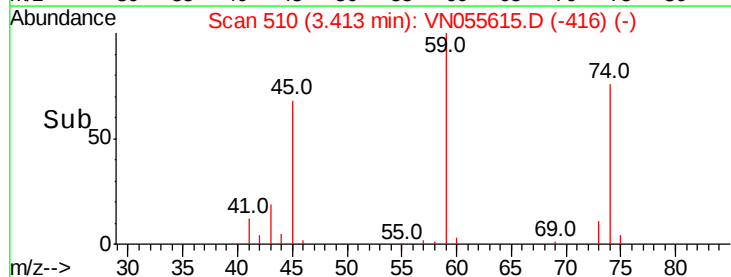
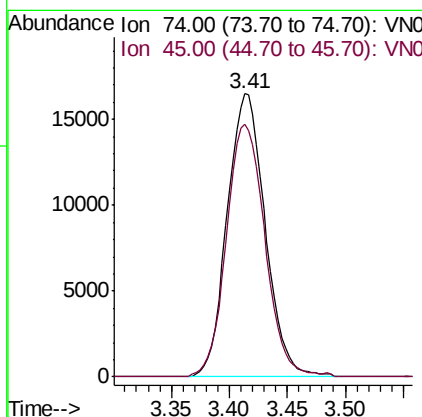
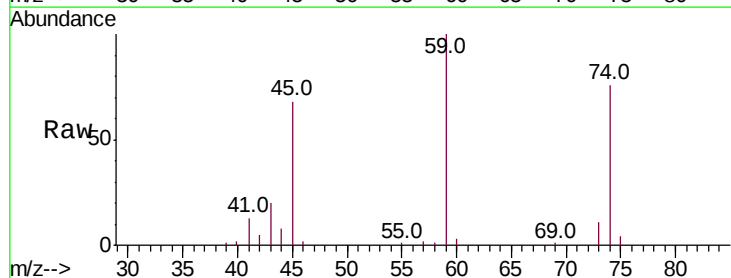
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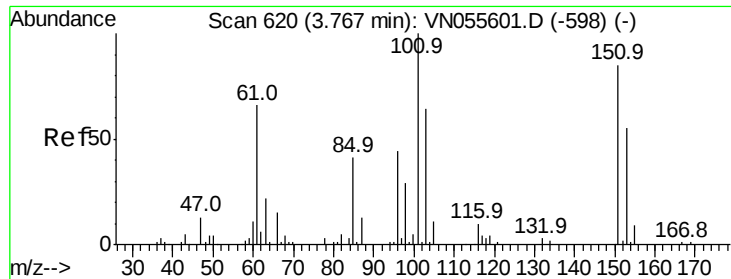


#8

Diethyl Ether
 Concen: 20.183 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	46.4	139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.000 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

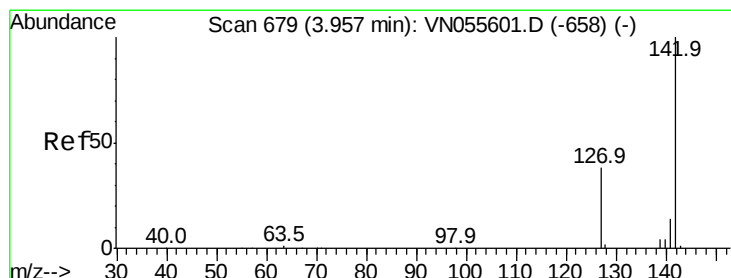
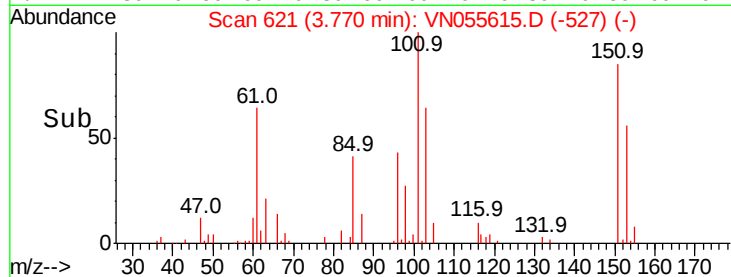
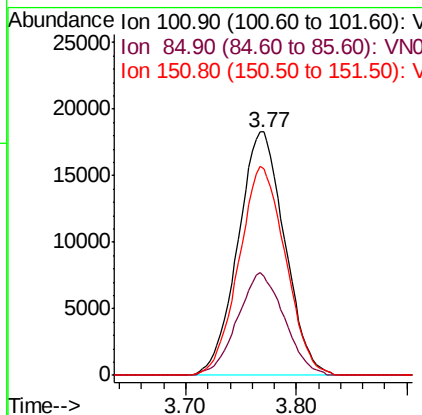
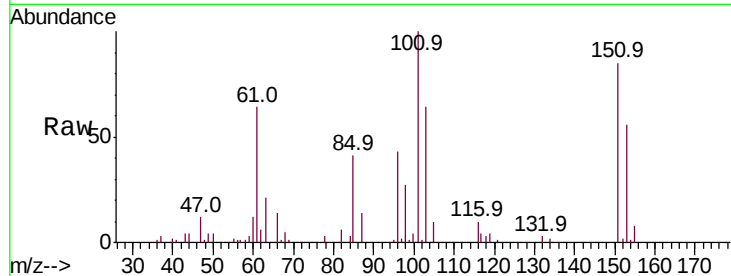
ClientSampleId :

VN0517WBS01

Tot Ion:	101	Resp:	53576
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.4	50.0
151	85.5	69.3	103.9

Manual Integrations
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#10

Methyl Iodide

Concen: 15.312 ug/l

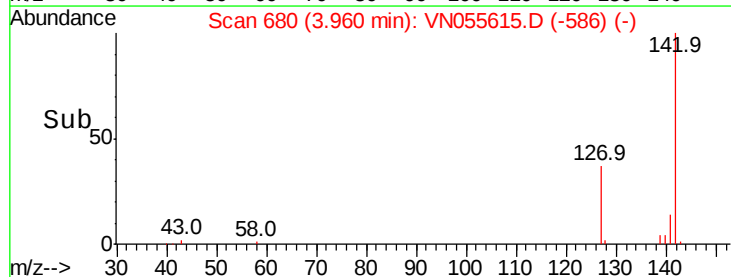
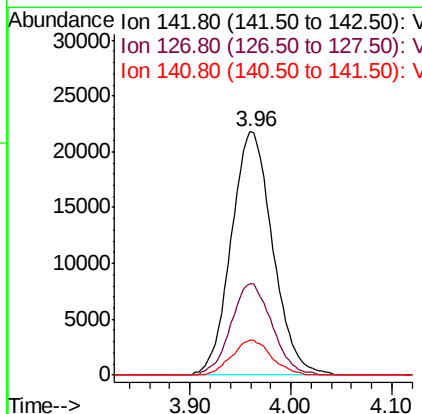
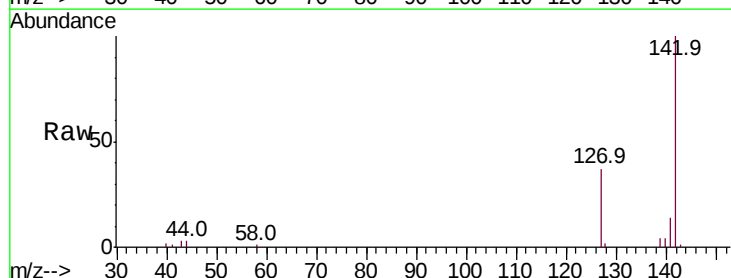
RT: 3.96 min Scan# 680

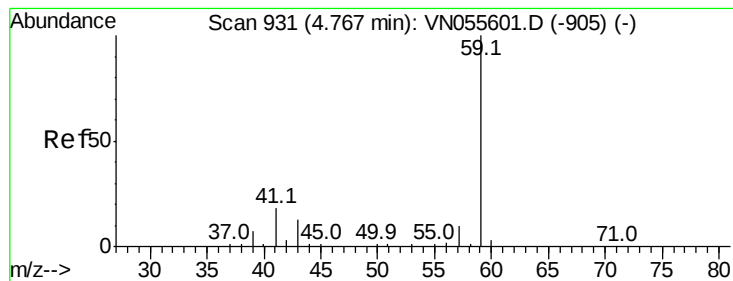
Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Tgt Ion:	142	Resp:	62245
Ion Ratio	Lower	Upper	
142	100		
127	37.2	31.0	46.4
141	13.8	11.5	17.3





#11

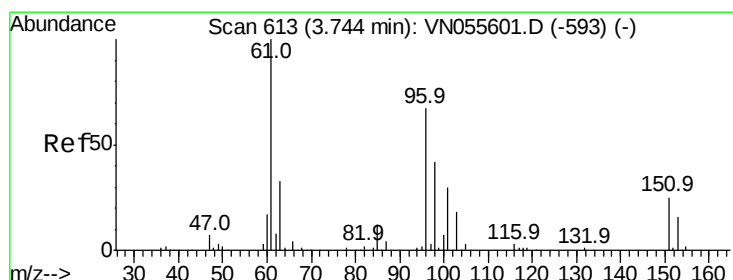
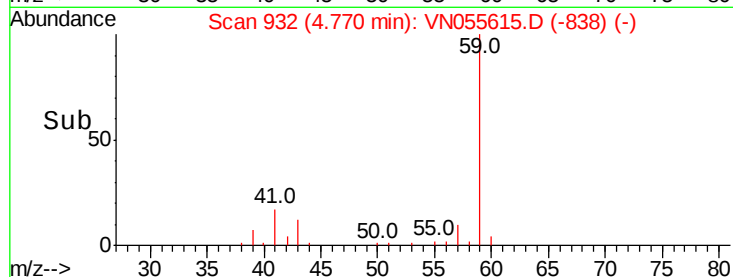
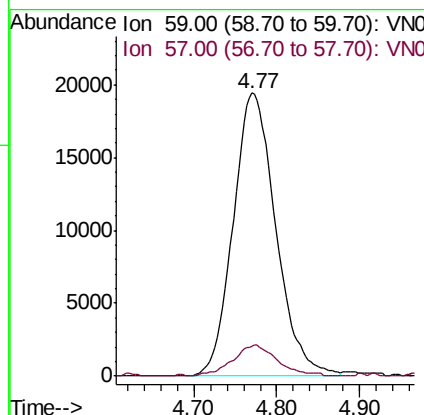
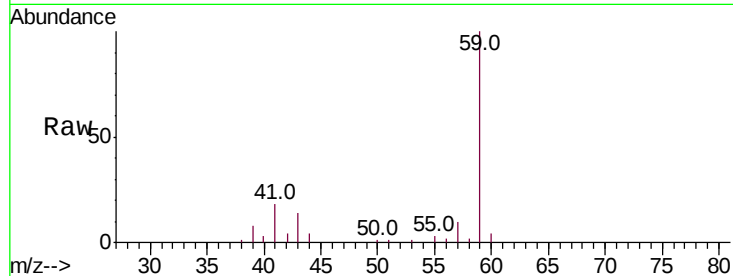
Tert butyl alcohol
 Concen: 104.659 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS01

Tot Ion	59	57	Ratio	100	11.3	Resp	69487	Lower	7.8	Upper	11.6
Ion	59	57	Ratio	100	11.3	Resp	69487	Lower	7.8	Upper	11.6

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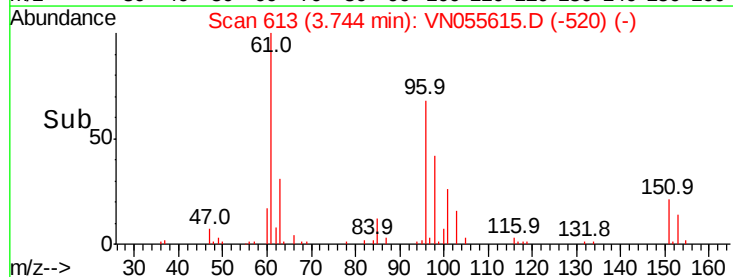
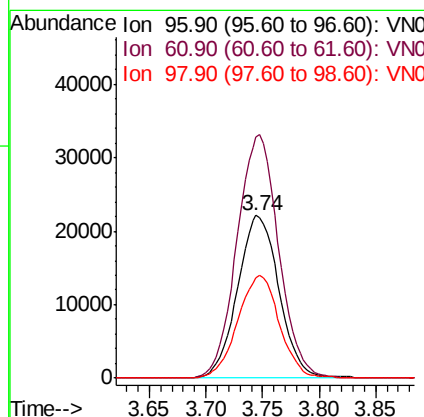
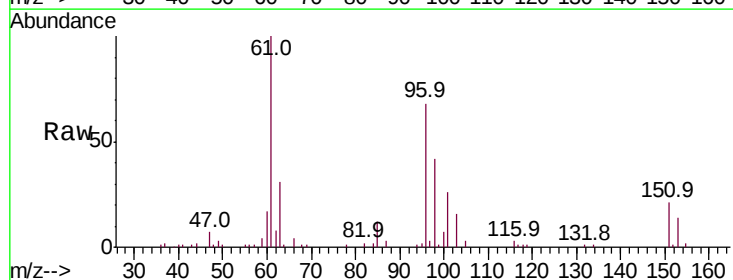
MMDadoda
 5/20/2019 9:08:50 AM

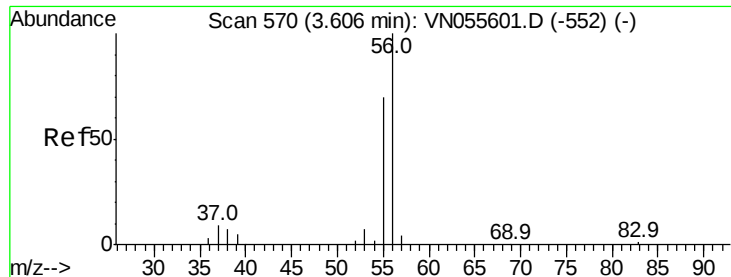


#12

1,1-Dichloroethene
 Concen: 19.058 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Tgt Ion	96	61	98	Ratio	100	148.0	61.6	Resp	56528	Lower	120.2	50.6	Upper	180.2	75.8
Ion	96	61	98	Ratio	100	148.0	61.6	Resp	56528	Lower	120.2	50.6	Upper	180.2	75.8





#13

Acrolein

Concen: 97.308 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS01

Tot Ion: 56 Resp: 32672

Ion Ratio Lower Upper

56 100

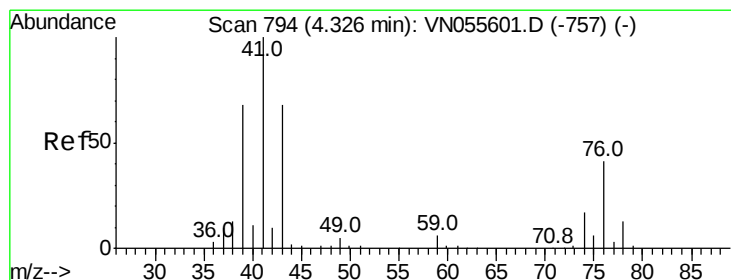
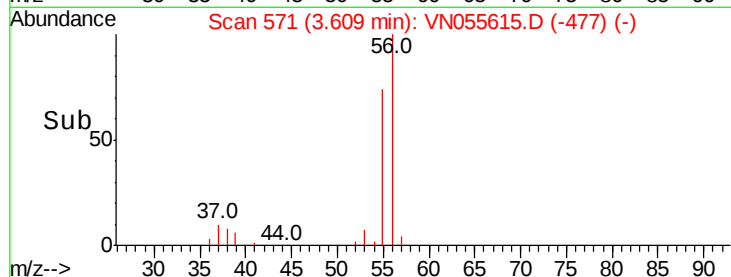
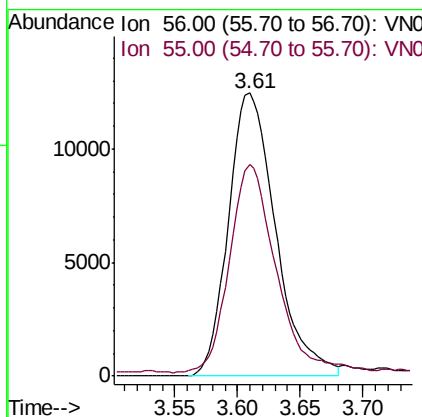
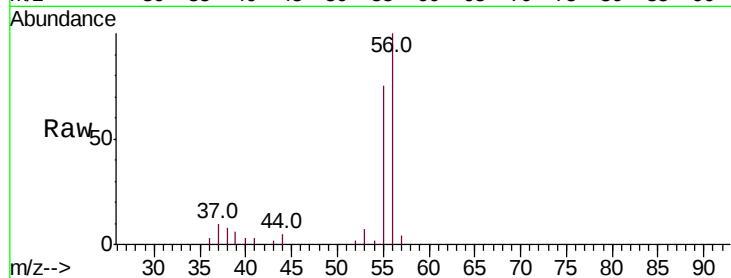
55 72.1 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 19.202 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

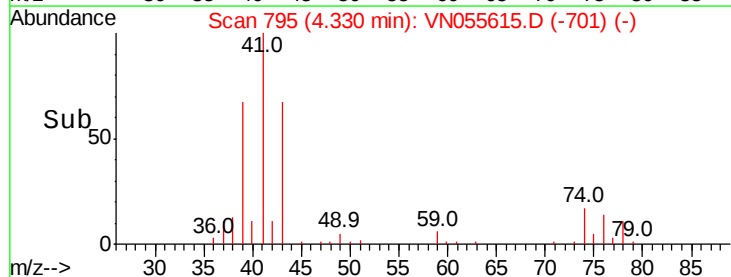
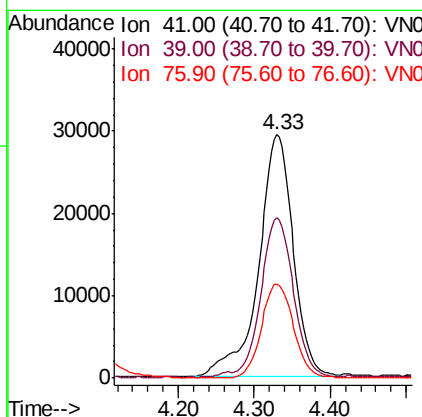
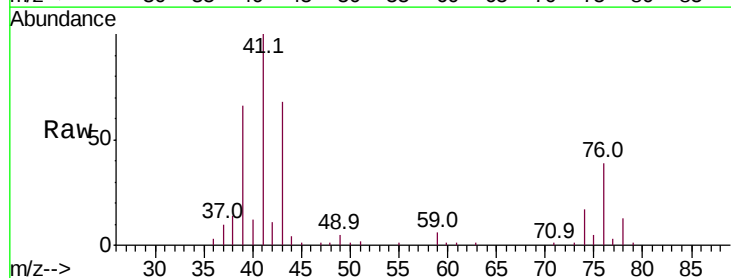
Tgt Ion: 41 Resp: 91946

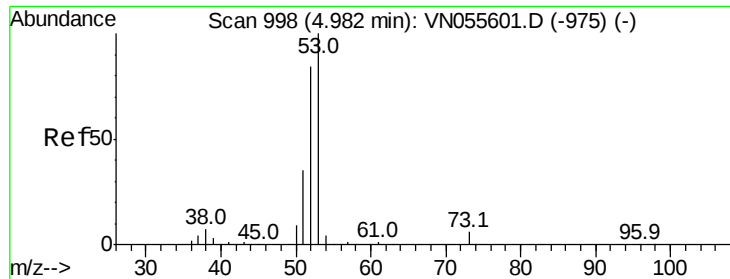
Ion Ratio Lower Upper

41 100

39 61.9 50.5 75.7

76 36.2 29.2 43.8





#15

Acrylonitrile

Concen: 102.550 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

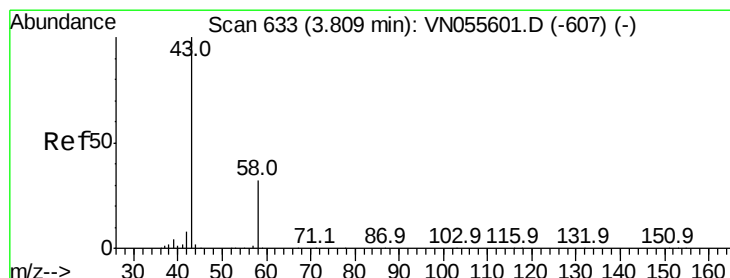
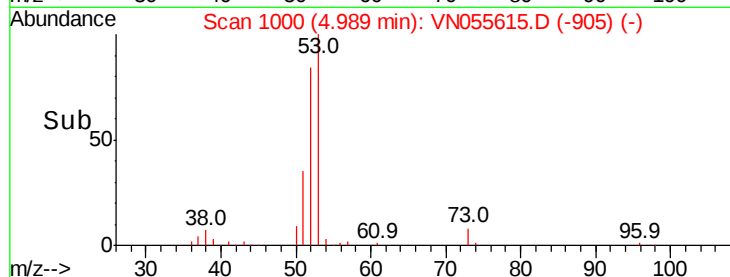
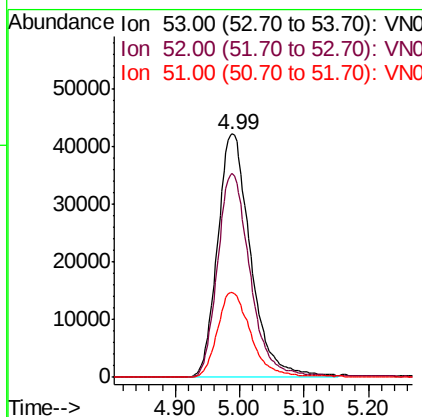
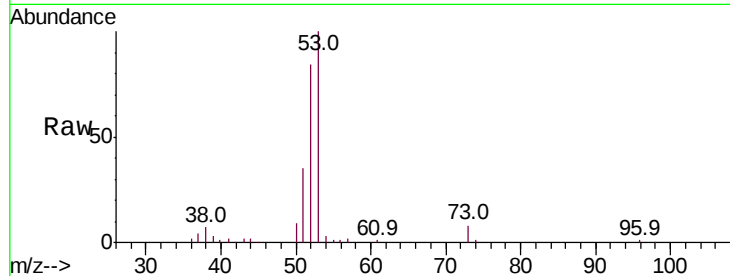
ClientSampleId :

VN0517WBS01

Tot Ion:	53	Resp:	151481
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.2	99.4
51	35.4	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 88.804 ug/l

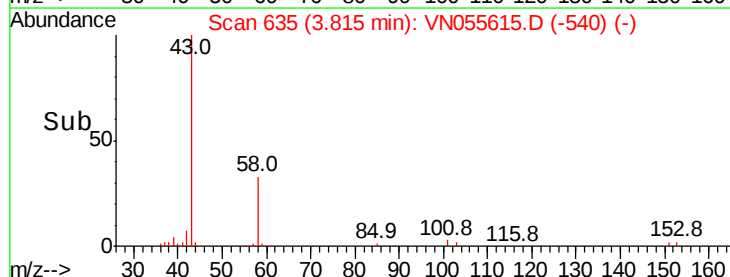
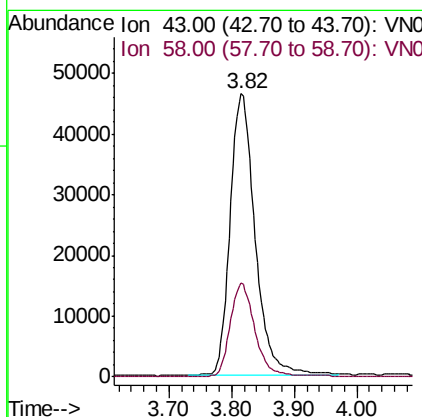
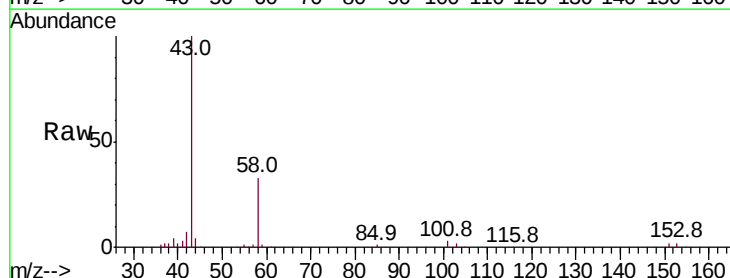
RT: 3.82 min Scan# 635

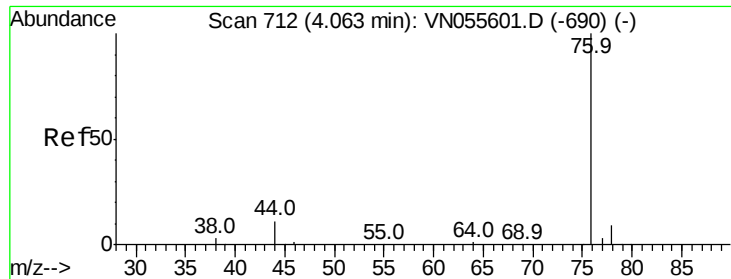
Delta R.T. 0.01 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Tgt Ion:	43	Resp:	129027
Ion Ratio	Lower	Upper	
43	100		
58	33.3	26.0	39.0





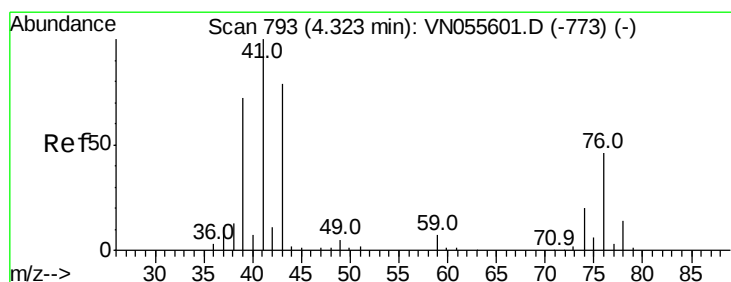
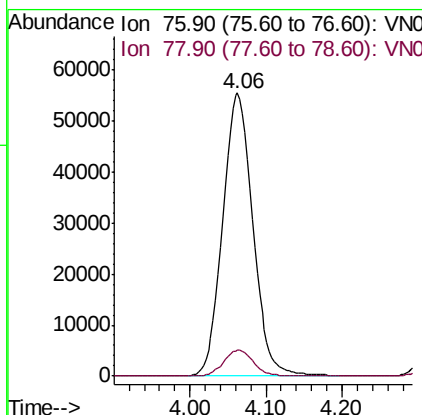
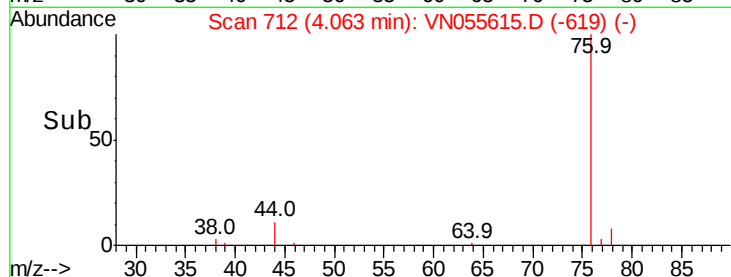
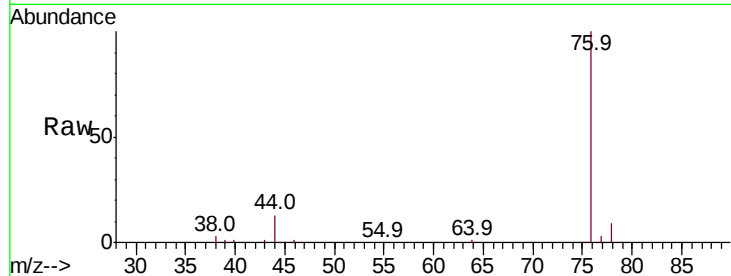
#17
Carbon Disulfide
Concen: 18.593 ug/l
RT: 4.06 min Scan# 712
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS01

Tot Ion: 76 Resp: 153312
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

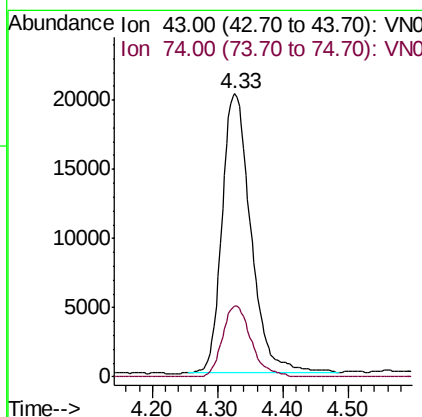
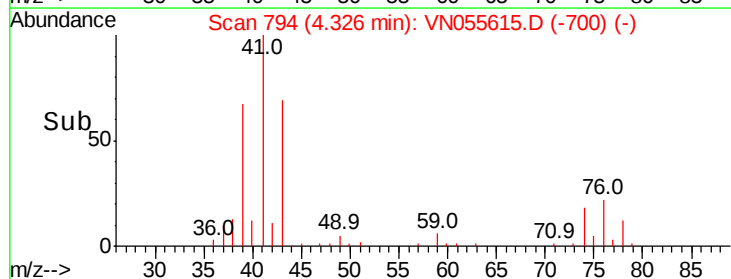
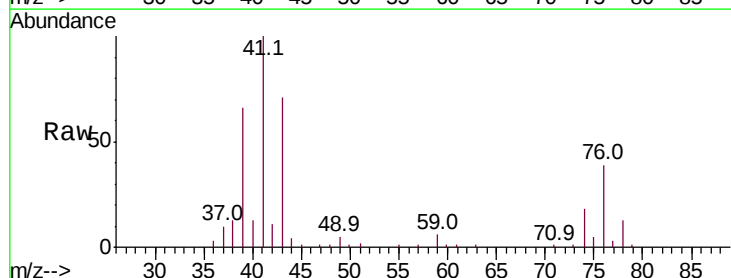
Manual Integrations
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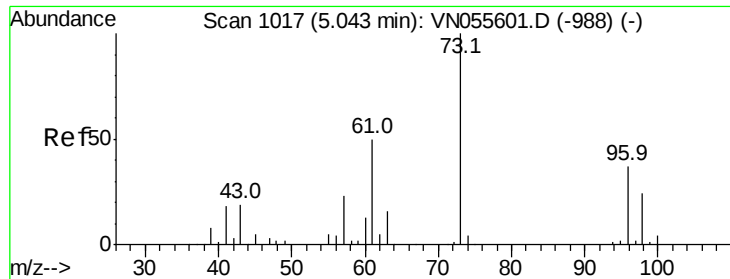
MMDadoda
5/20/2019 9:08:50 AM



#18
Methyl Acetate
Concen: 19.964 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion: 43 Resp: 62187
Ion Ratio Lower Upper
43 100
74 25.3 19.9 29.9





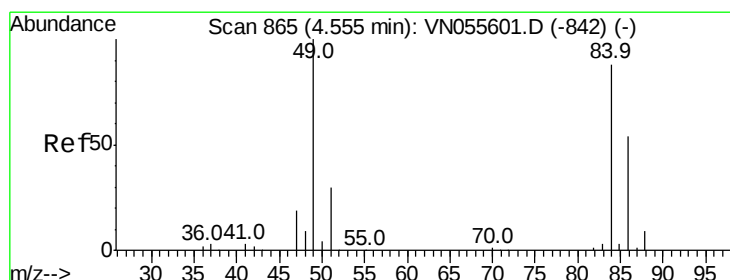
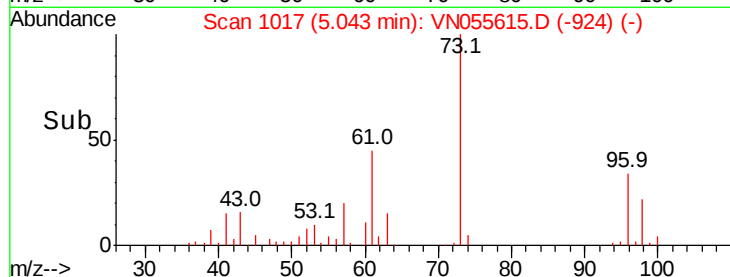
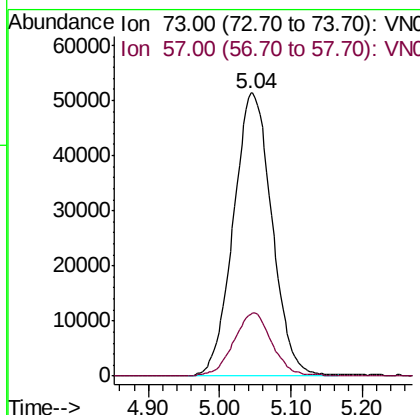
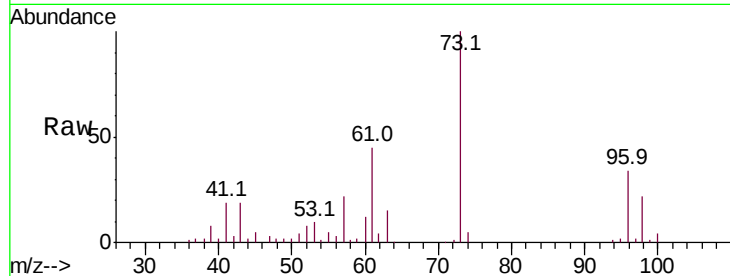
#19
Methvl tert-butvl Ether
Concen: 19.695 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS01

Tot Ion: 73 Resp: 193261
Ion Ratio Lower Upper
73 100
57 21.4 18.2 27.2

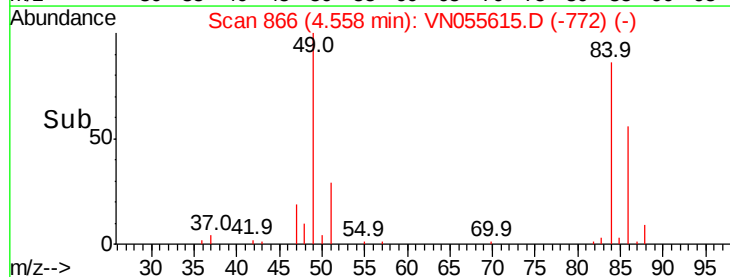
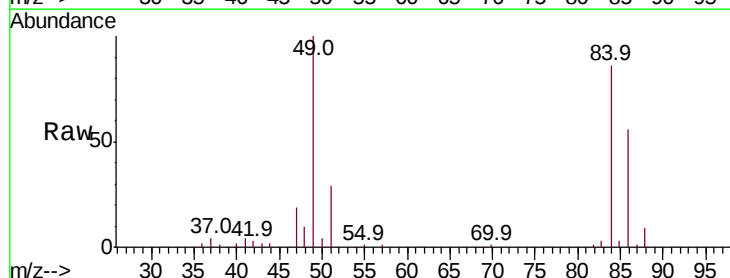
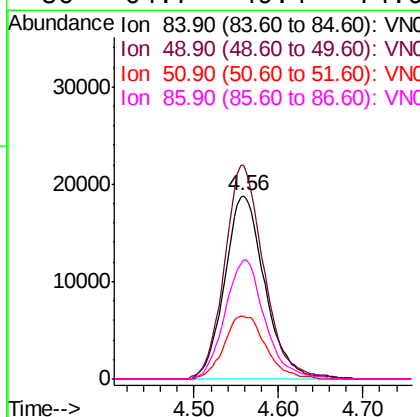
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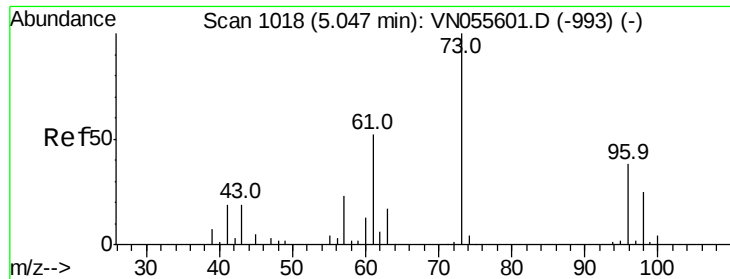
MMDadoda
5/20/2019 9:08:50 AM



#20
Methylene Chloride
Concen: 18.764 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion: 84 Resp: 62220
Ion Ratio Lower Upper
84 100
49 116.4 91.0 136.4
51 34.2 27.5 41.3
86 64.7 49.4 74.0





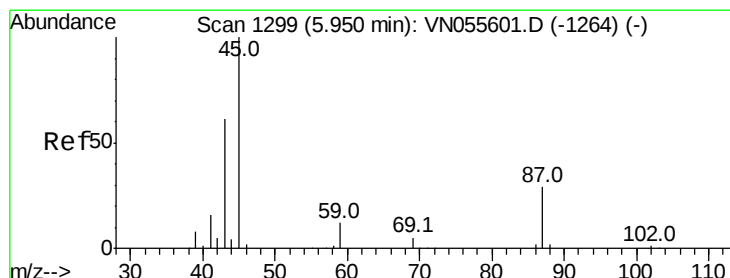
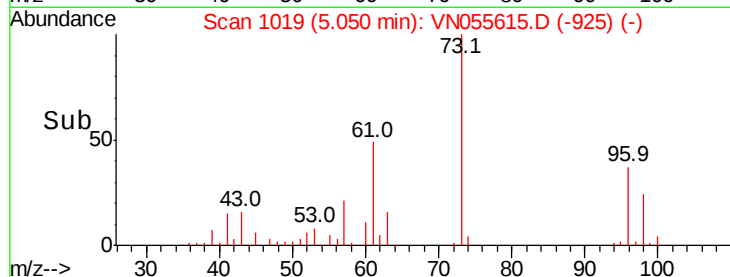
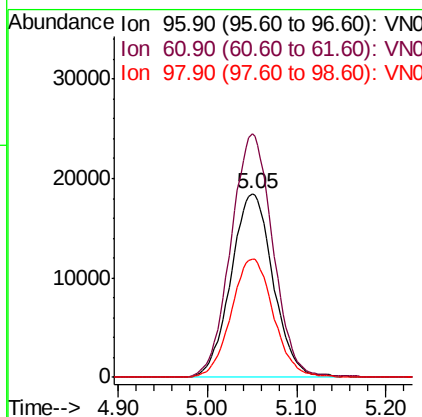
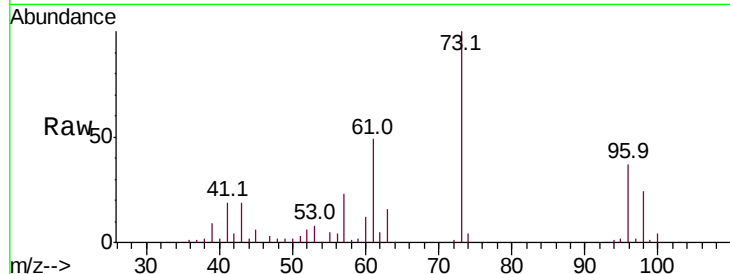
#21
trans-1,2-Dichloroethene
Concen: 19.213 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.7	108.6	162.8
98	64.4	51.4	77.0

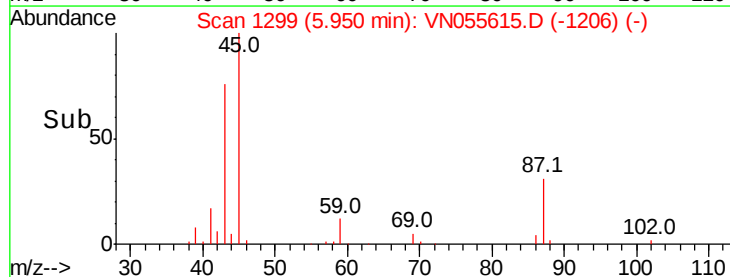
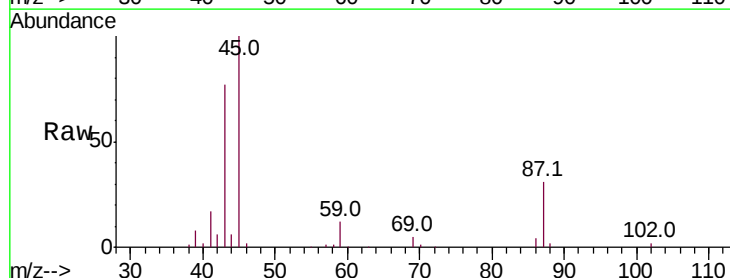
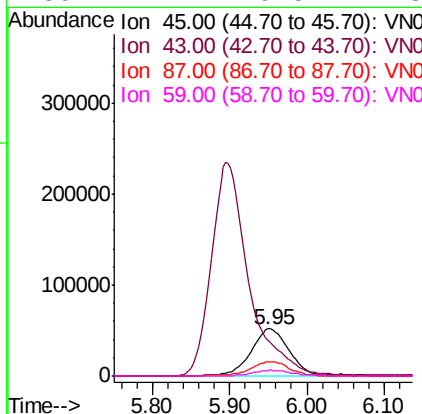
Manual Integrations
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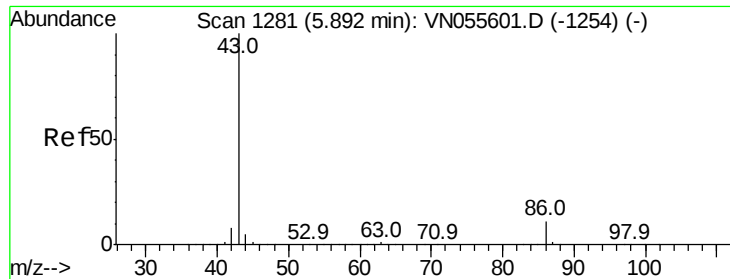
MMDadoda
5/20/2019 9:08:50 AM



#22
Diisopropyl ether
Concen: 18.877 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.5	50.4	75.6
87	30.3	23.8	35.6
59	11.7	9.5	14.3





#23

Vinyl Acetate

Concen: 98.028 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS01

Tot Ion: 43 Resp: 789246

Ion Ratio Lower Upper

43 100

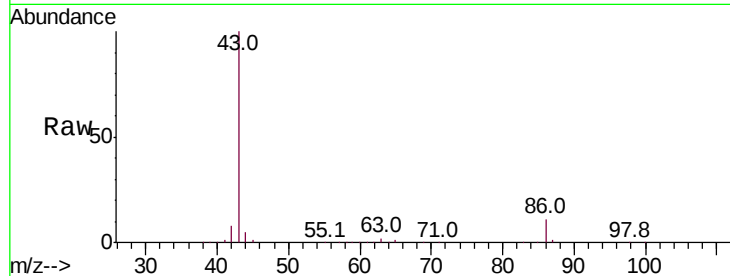
86 11.0 8.7 13.1

Manual Integrations

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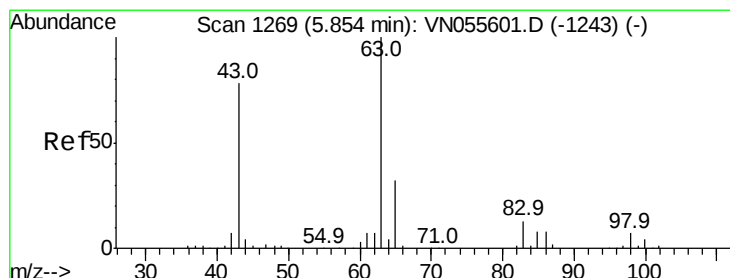
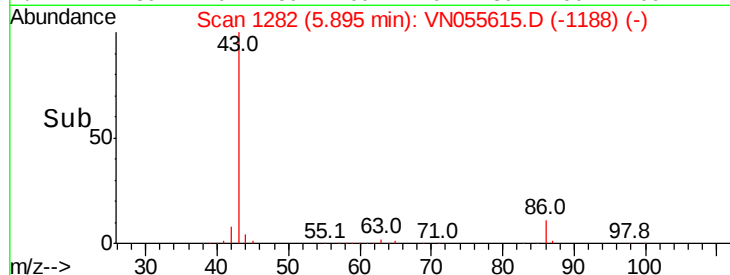
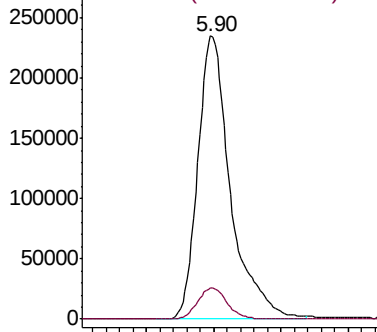
MMDadoda

5/20/2019 9:08:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.621 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

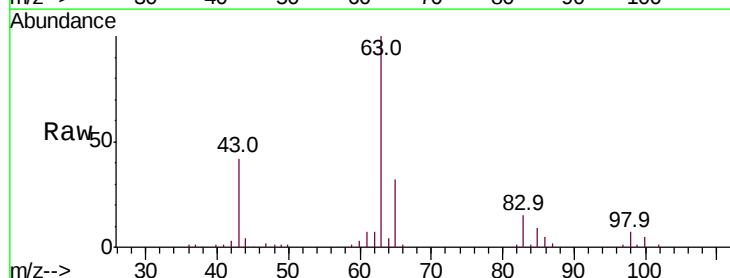
Tgt Ion: 63 Resp: 109165

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

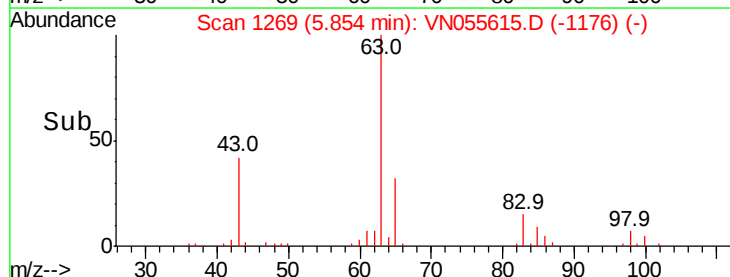
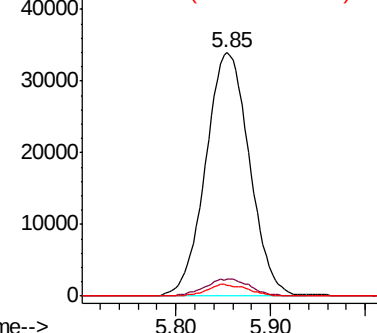
100 4.6 2.2 6.6

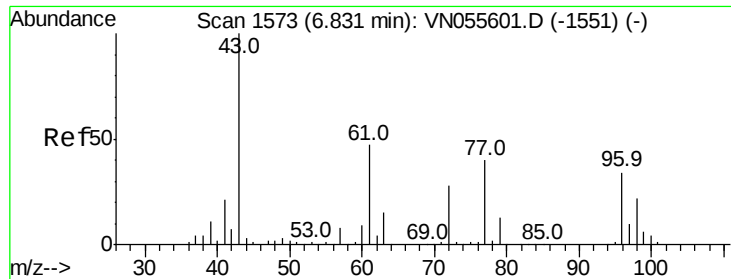


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





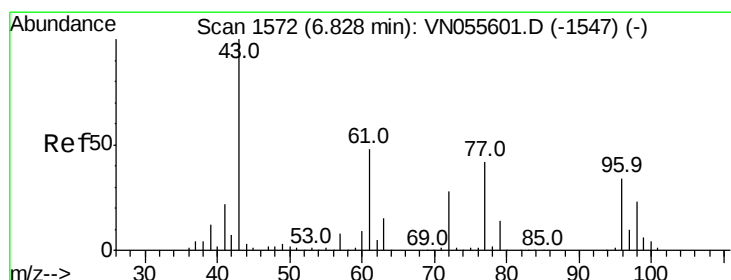
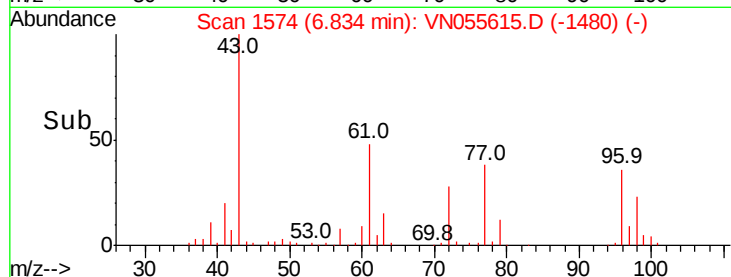
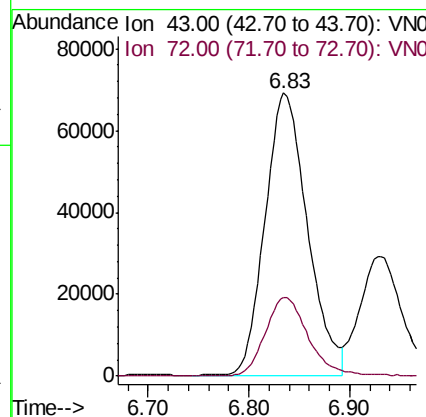
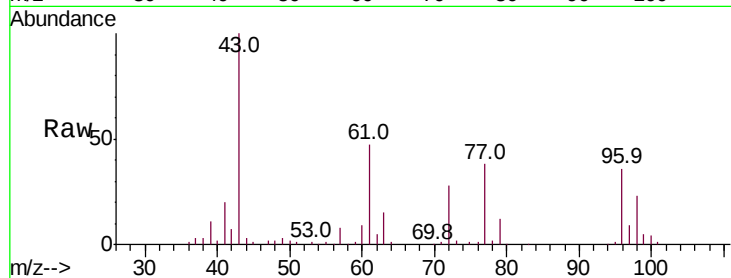
#25
2-Butanone
Concen: 98.933 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS01

Tot Ion: 43 Resp: 200986
Ion Ratio Lower Upper
43 100
72 28.0 22.3 33.5

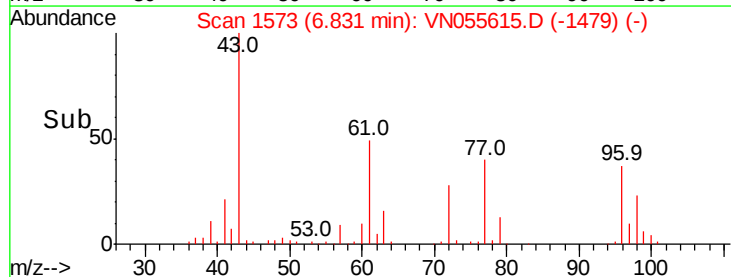
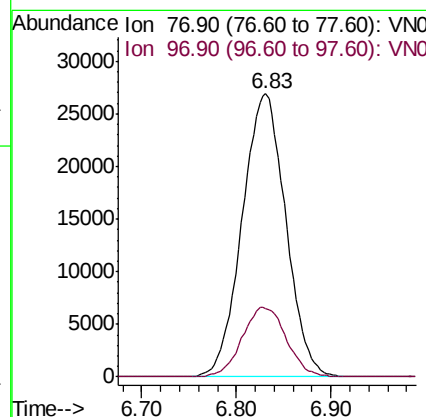
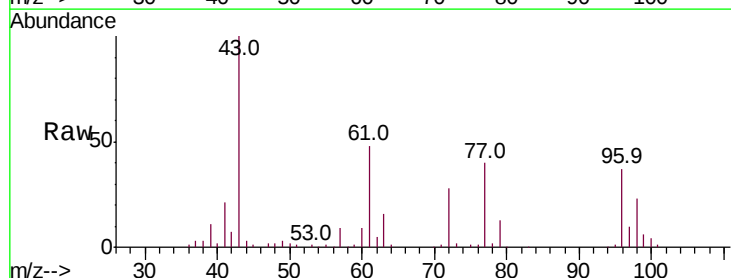
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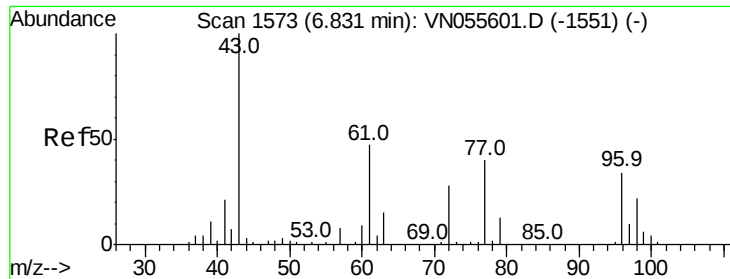
MMDadoda
5/20/2019 9:08:50 AM



#26
2,2-Dichloropropane
Concen: 17.400 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion: 77 Resp: 85919
Ion Ratio Lower Upper
77 100
97 24.9 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.347 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

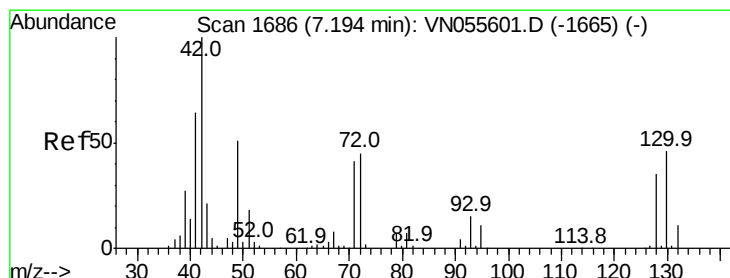
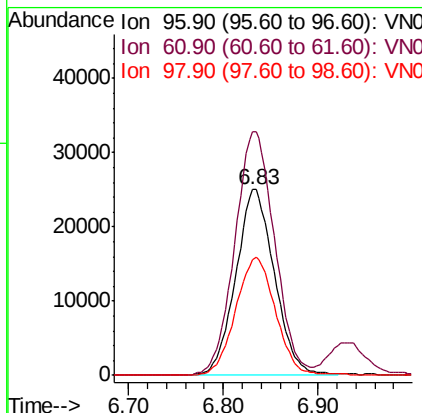
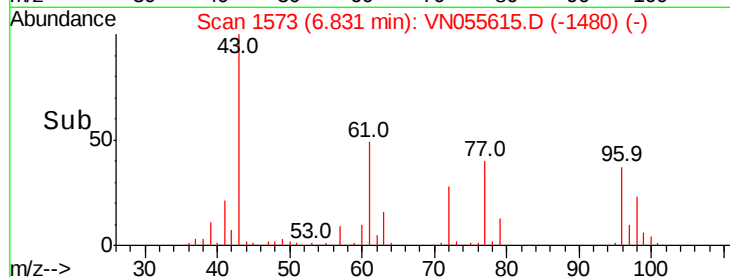
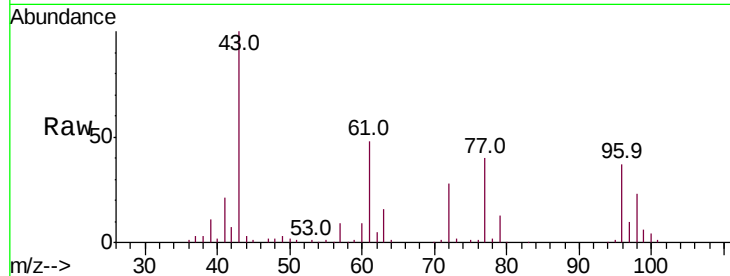
ClientSampleId :

VN0517WBS01

Tot Ion:	96	Resp:	71184
Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	279.0
98	65.2	0.0	131.6

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#28

Bromochloromethane

Concen: 20.100 ug/l

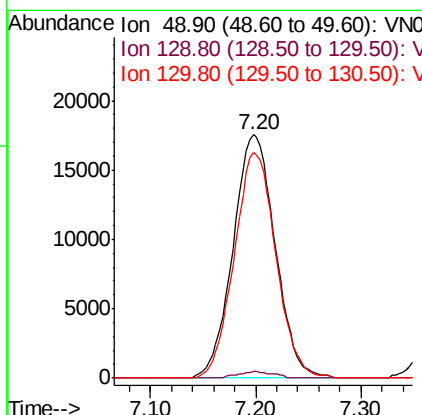
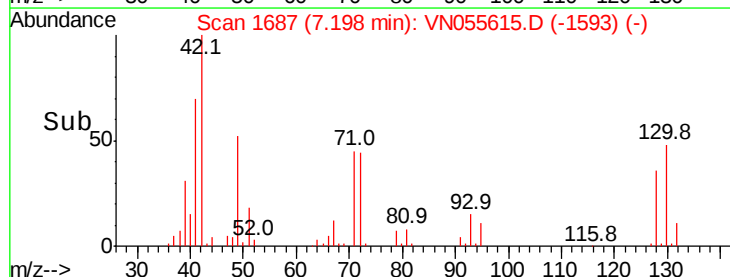
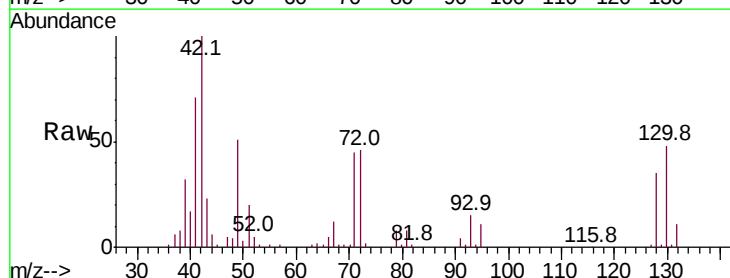
RT: 7.20 min Scan# 1687

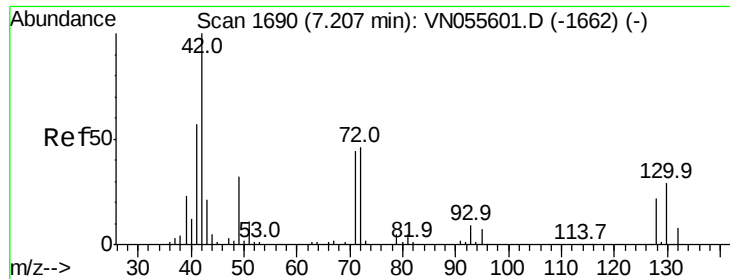
Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Tgt Ion:	49	Resp:	48650
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	91.6	71.0	106.6





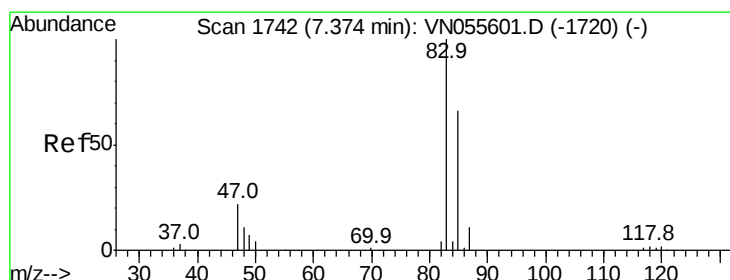
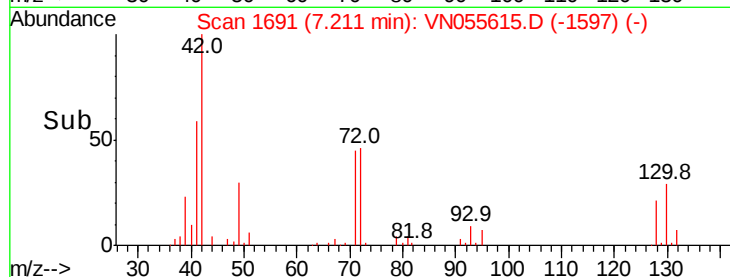
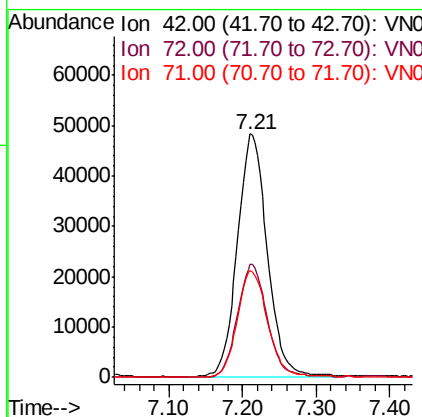
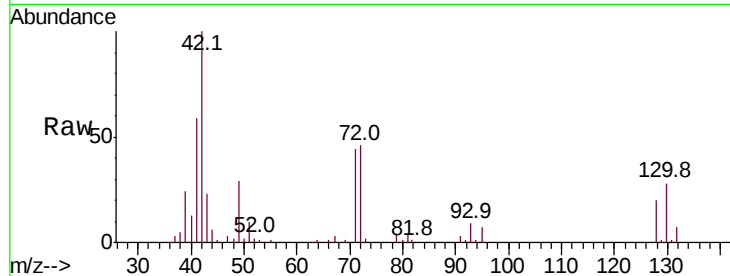
#29
Tetrahydrofuran
Concen: 102.473 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	36.5	54.7
71	44.1	34.9	52.3

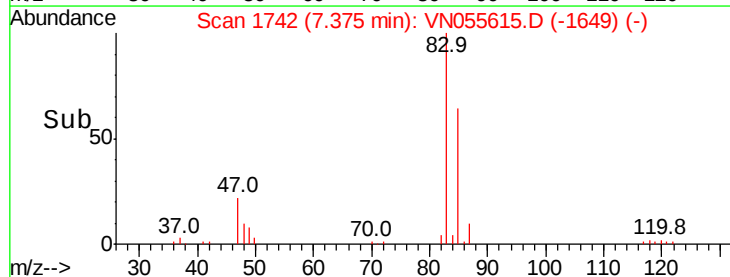
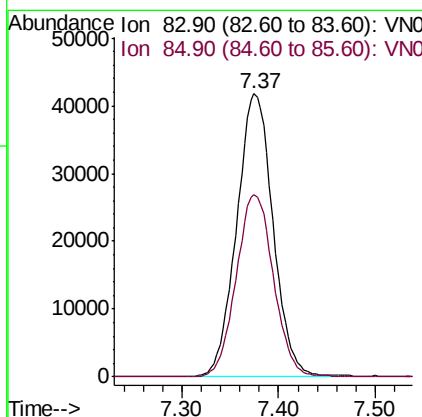
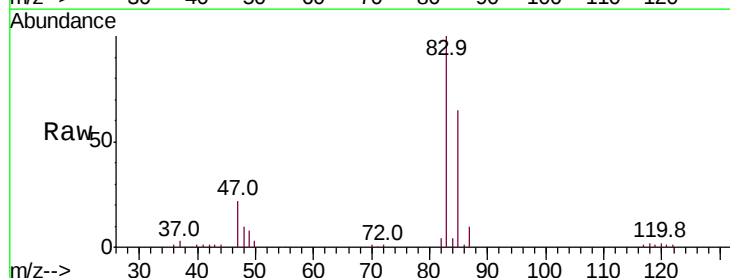
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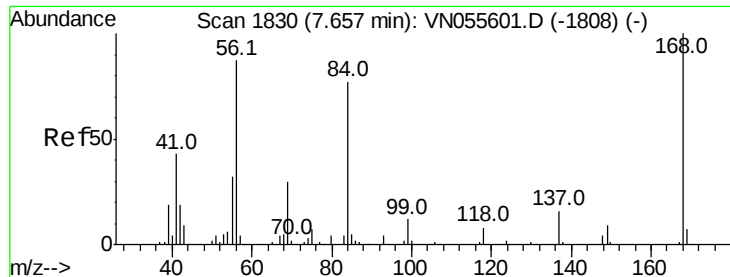
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#30
Chloroform
Concen: 19.146 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.6	78.8





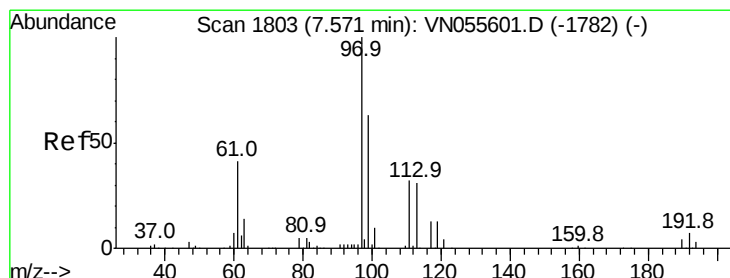
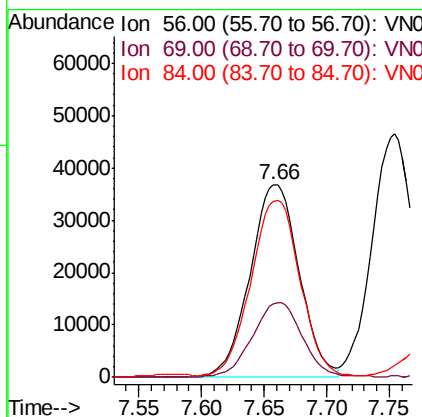
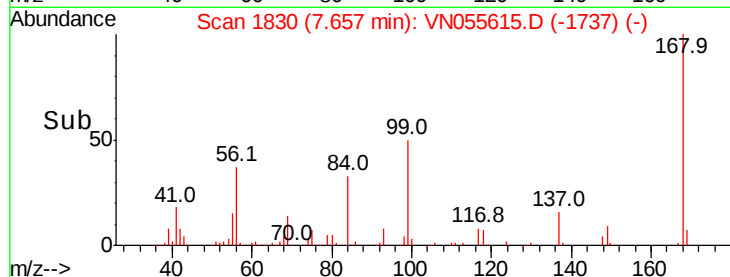
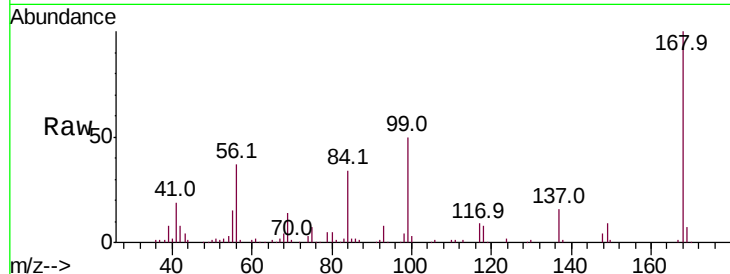
#31
Cyclohexane
Concen: 18.989 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.0	27.2	40.8
84	89.6	71.3	106.9

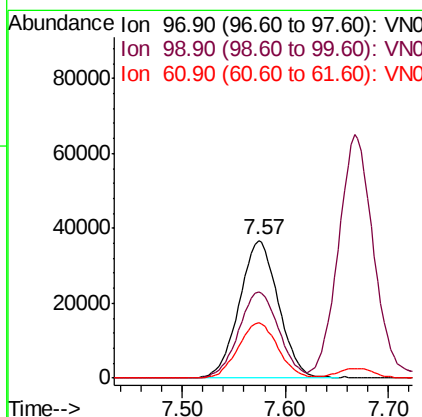
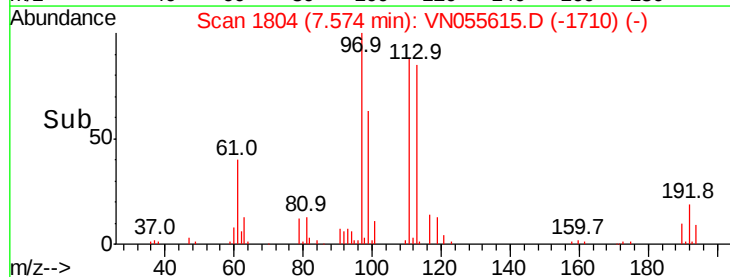
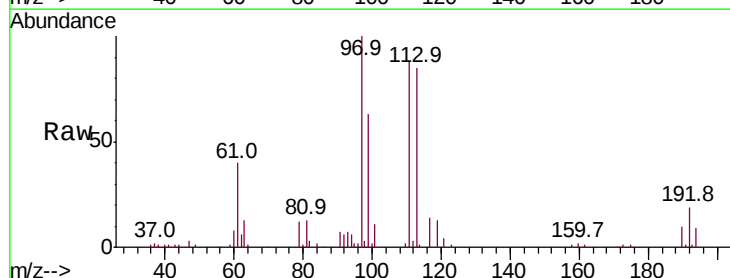
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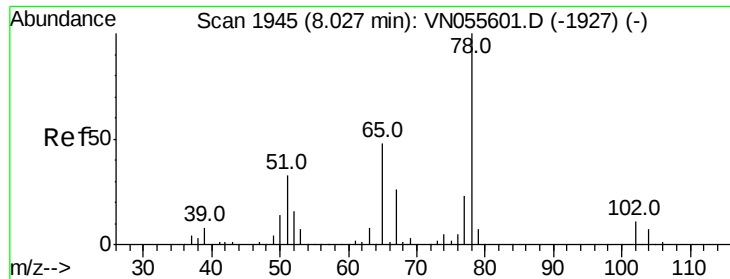
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#32
1,1,1-Trichloroethane
Concen: 18.950 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.2
61	40.6	32.9	49.3





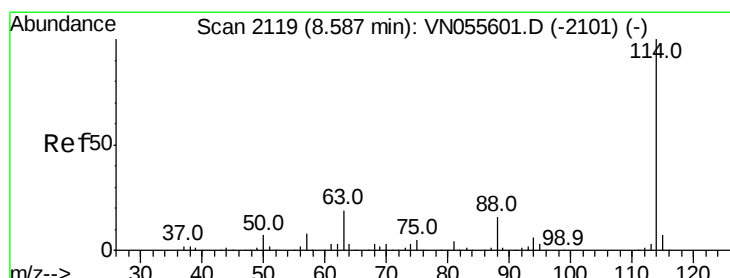
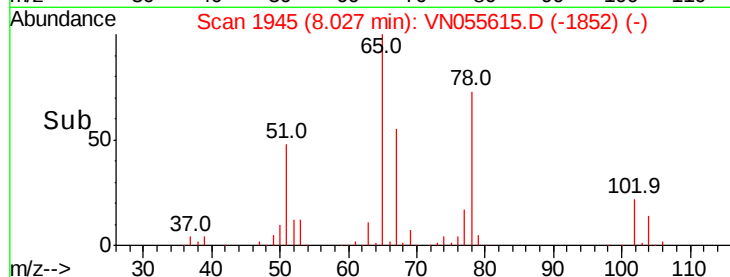
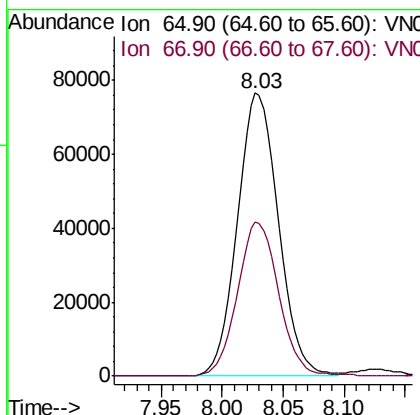
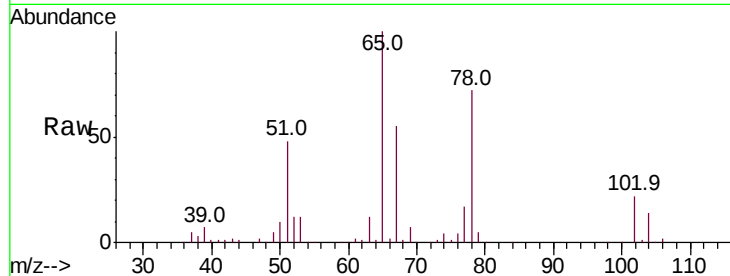
#33
 1,2-Dichloroethane-d4
 Concen: 50.060 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	178231		
67	54.8	0.0	108.6	

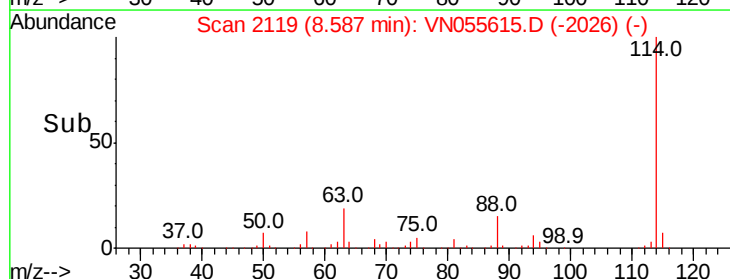
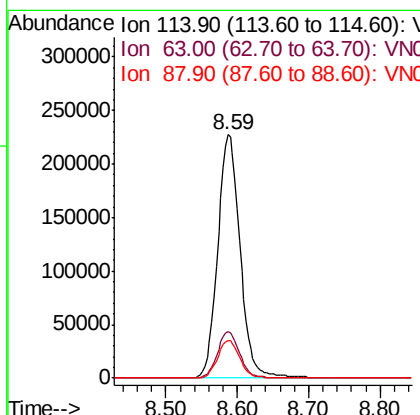
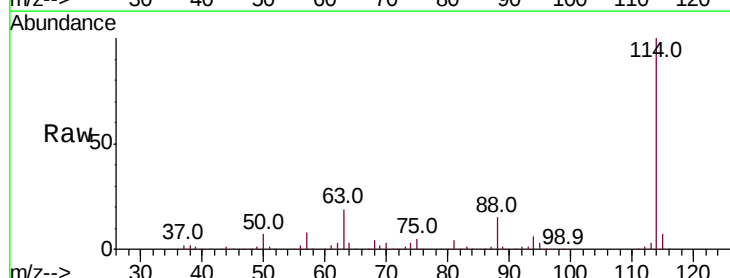
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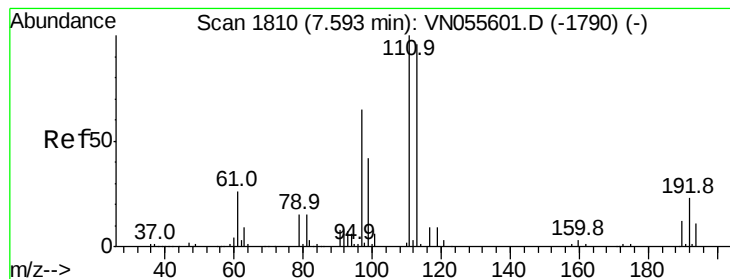
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	493997		
63	19.1	0.0	38.2	
88	15.5	0.0	31.0	





#35

Dibromofluoromethane

Concen: 50.720 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

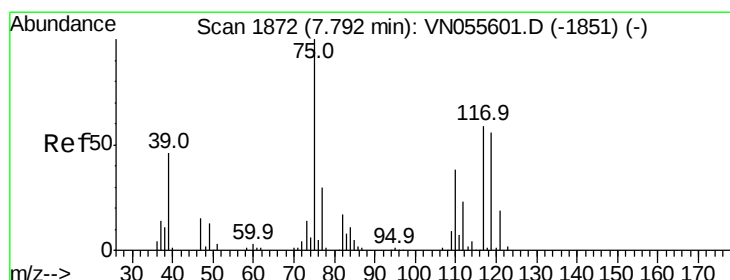
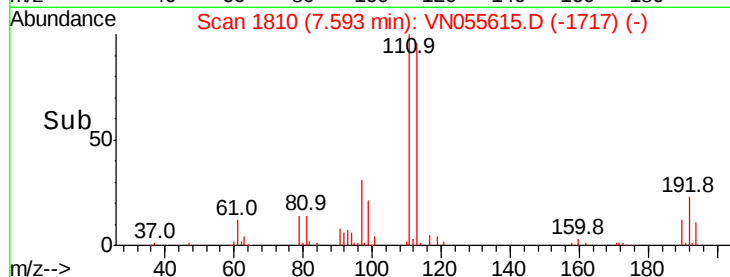
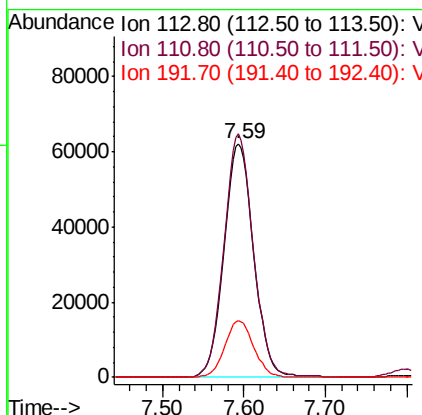
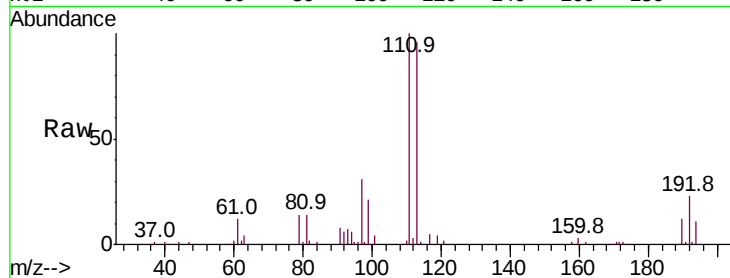
ClientSampleId :

VN0517WBS01

Tot Ion:	113	Resp:	159165
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.5	123.7
192	23.6	18.7	28.1

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5/20/2019 9:08:50 AM



#36

1,1-Dichloropropene

Concen: 18.507 ug/l

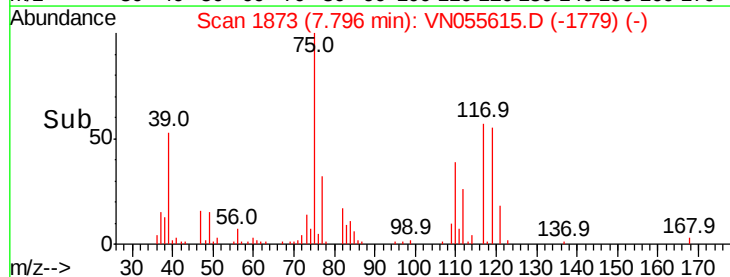
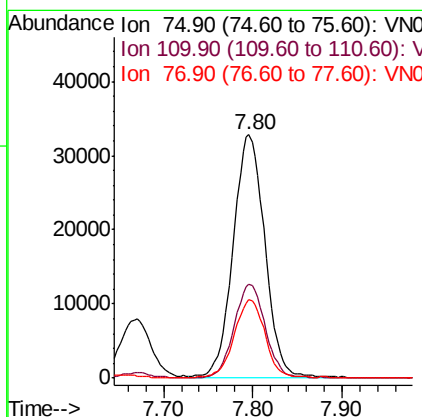
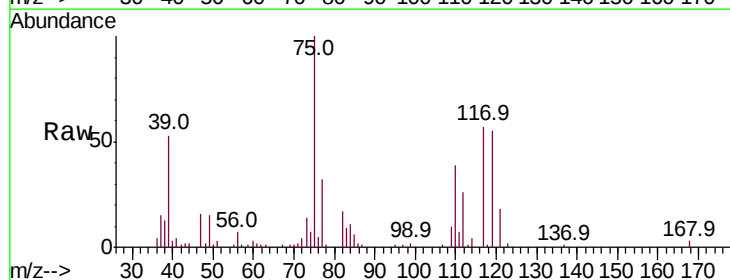
RT: 7.80 min Scan# 1873

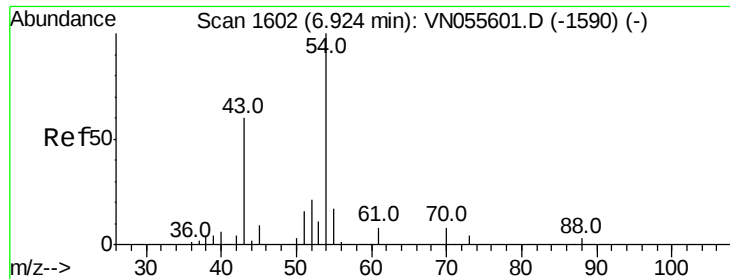
Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Tgt Ion:	75	Resp:	81508
Ion Ratio	Lower	Upper	
75	100		
110	37.7	18.6	55.6
77	31.4	24.9	37.3





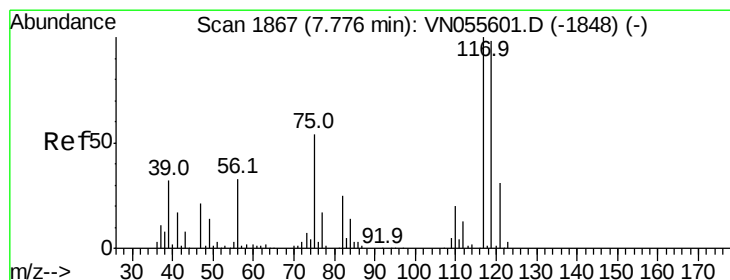
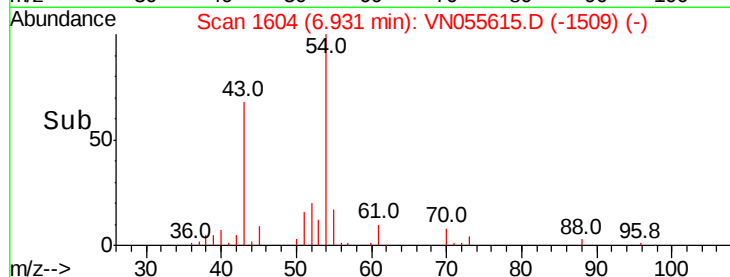
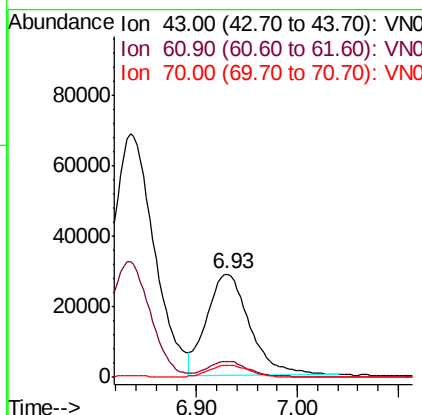
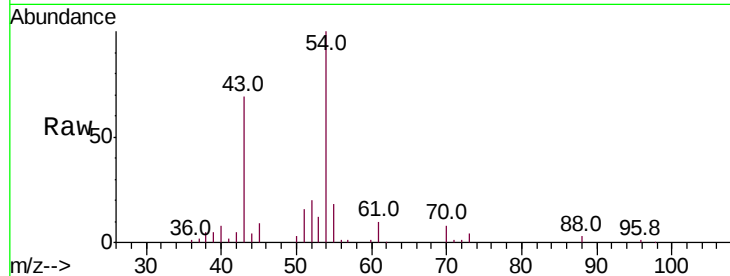
#37
Ethyl Acetate
Concen: 21.317 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampleID :
VN0517WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.4	17.0
70	11.7	9.2	13.8

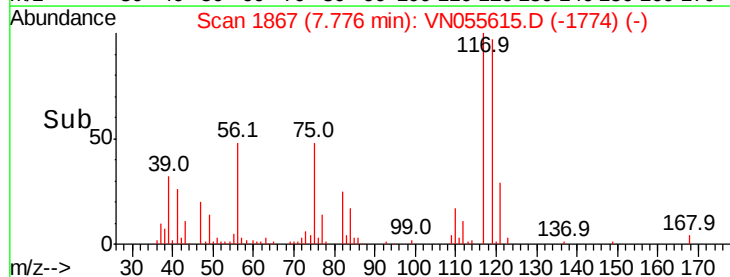
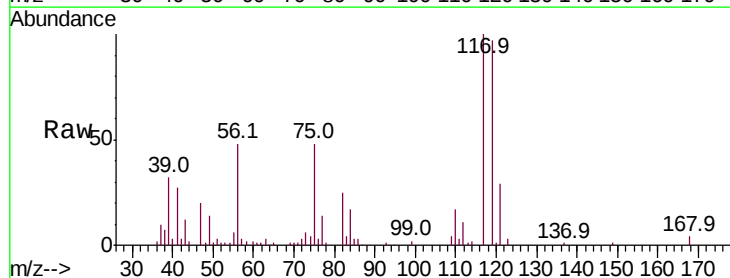
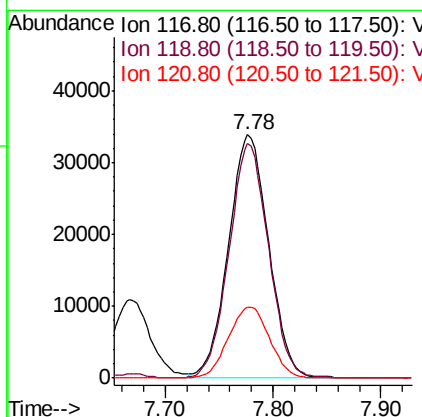
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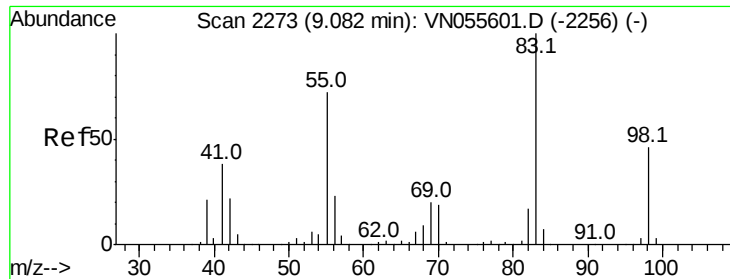
MMDadoda
5/20/2019 9:08:50 AM



#38
Carbon Tetrachloride
Concen: 18.671 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.8	116.8
121	29.3	24.6	37.0





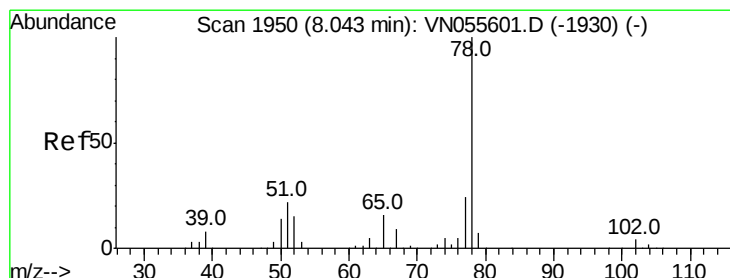
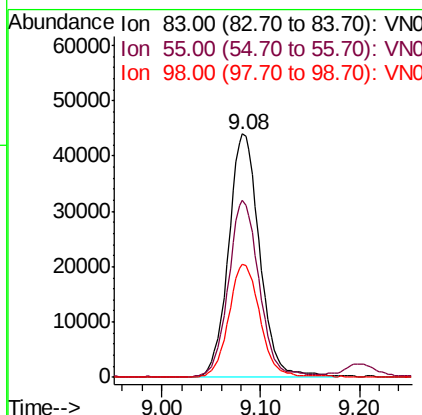
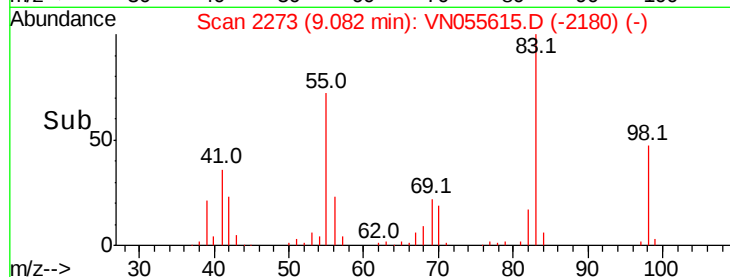
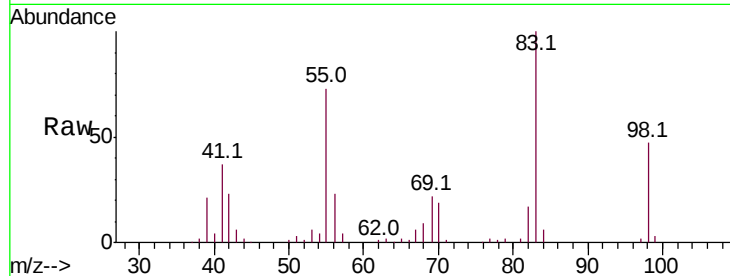
#39
Methvlcvclohexane
Concen: 18.260 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS01

Tot Ion	83	Resp	96950
Ion Ratio	100	Lower	Upper
83	100		
55	72.2	57.8	86.6
98	46.6	36.7	55.1

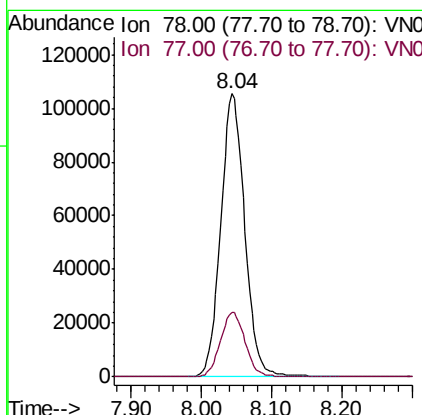
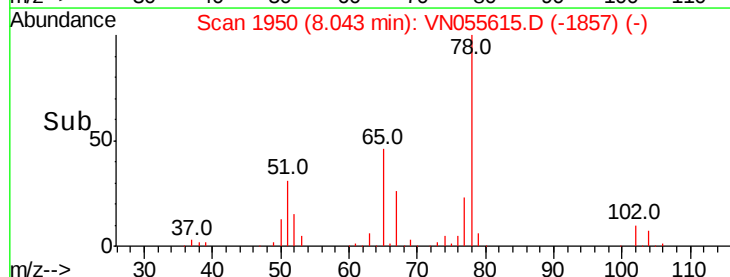
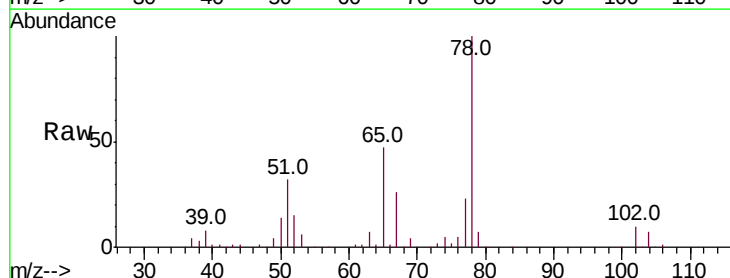
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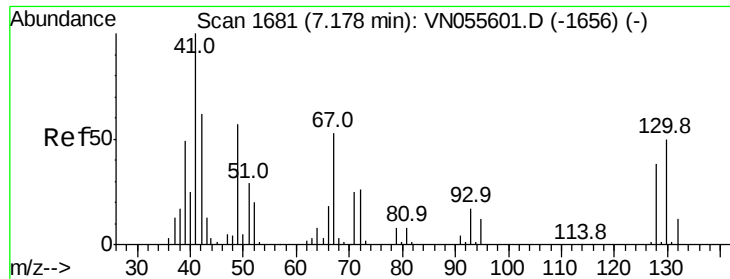
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5/20/2019 9:08:50 AM



#40
Benzene
Concen: 19.367 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion	78	Resp	250888
Ion Ratio	100	Lower	Upper
78	100		
77	22.9	18.9	28.3





#41

Methacrylonitrile

Concen: 19.802 ug/l m

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN055615.D

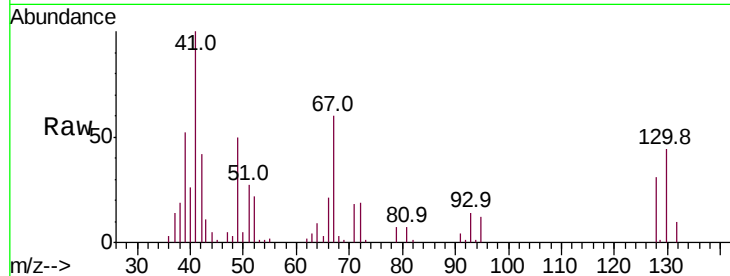
Acq: 17 May 2019 17:09

Tot Ion	41	Resp	33647
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

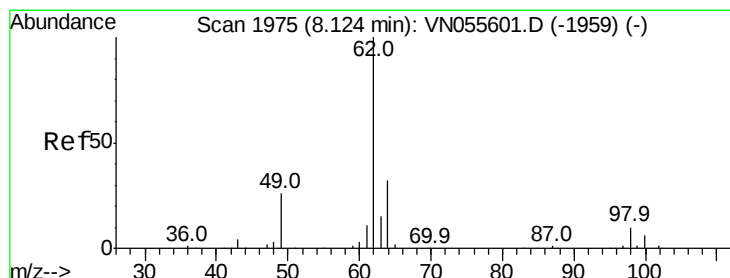
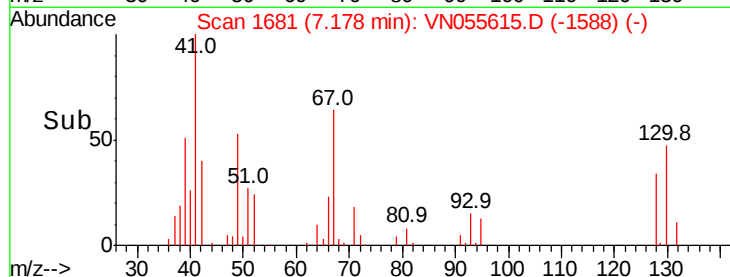
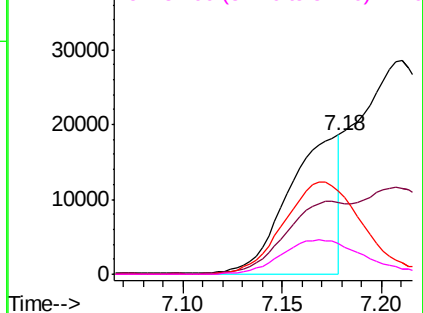
Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS01

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Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 20.235 ug/l

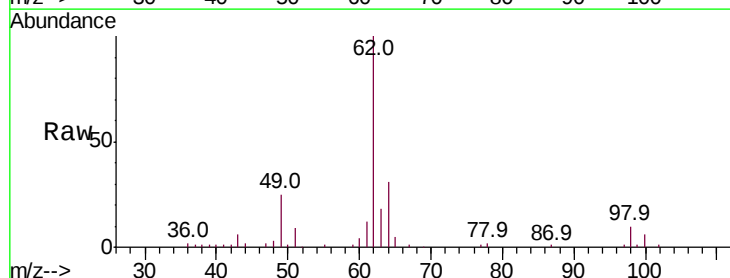
RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

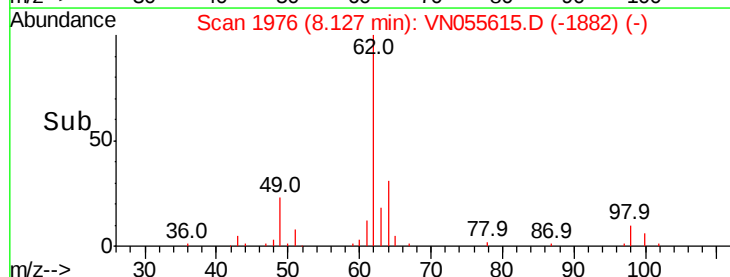
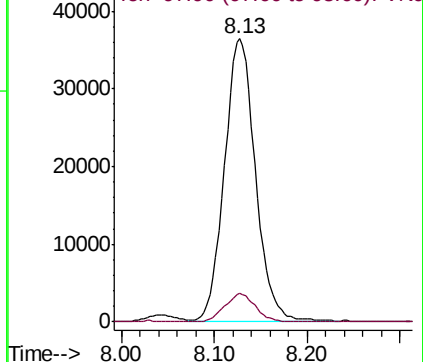
Lab File: VN055615.D

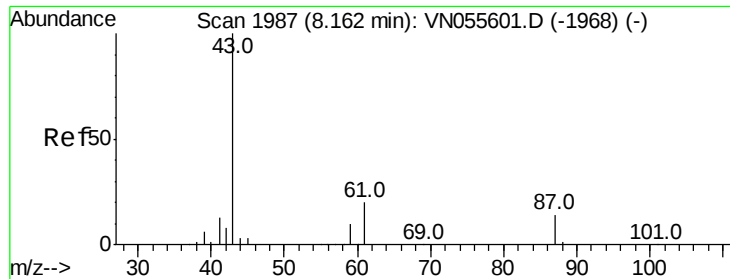
Acq: 17 May 2019 17:09

Tgt Ion	62	Resp	84884
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.2



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





#43

Isopropyl Acetate

Concen: 19.794 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

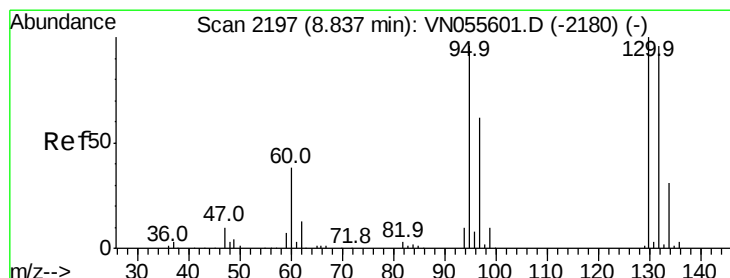
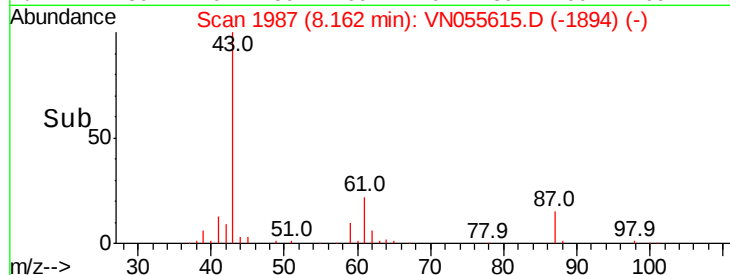
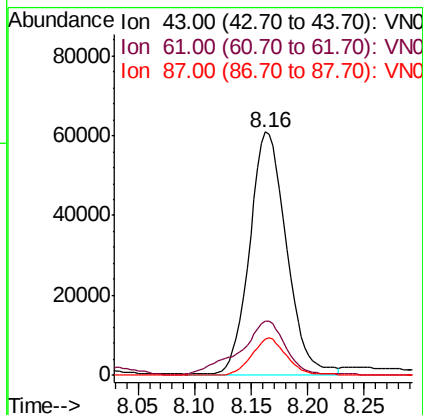
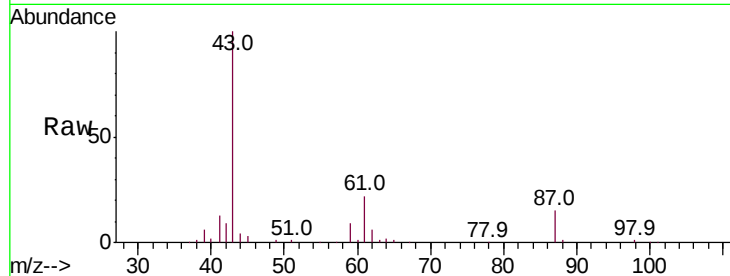
ClientSampleId :

VN0517WBS01

Tot Ion:	43	Resp:	136843
Ion Ratio	Lower	Upper	
43	100		
61	28.5	22.1	33.1
87	14.7	11.8	17.6

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#44

Trichloroethene

Concen: 19.537 ug/l

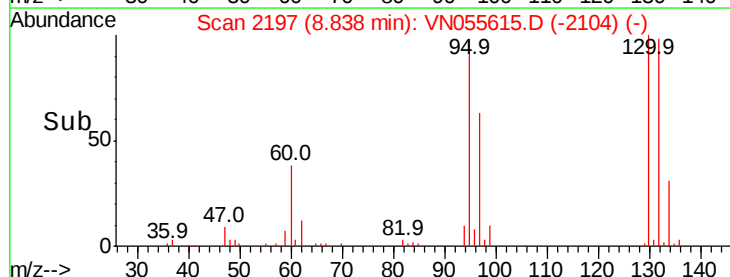
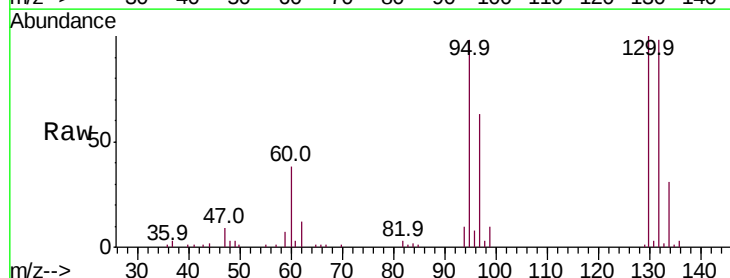
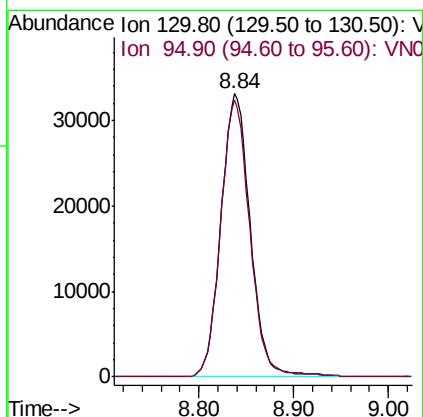
RT: 8.84 min Scan# 2197

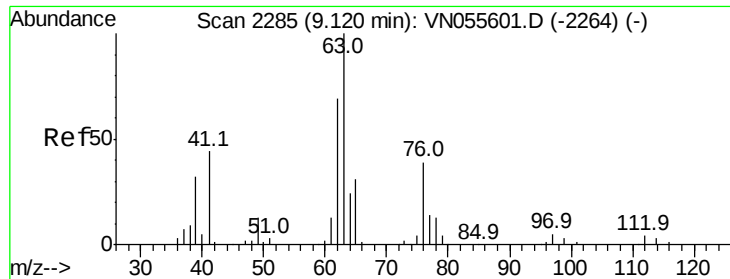
Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Tgt Ion:	130	Resp:	71416
Ion Ratio	Lower	Upper	
130	100		
95	97.7	0.0	191.0





#45

1,2-Dichloropropane

Concen: 19.129 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS01

Tot Ion: 63 Resp: 65283

Ion Ratio Lower Upper

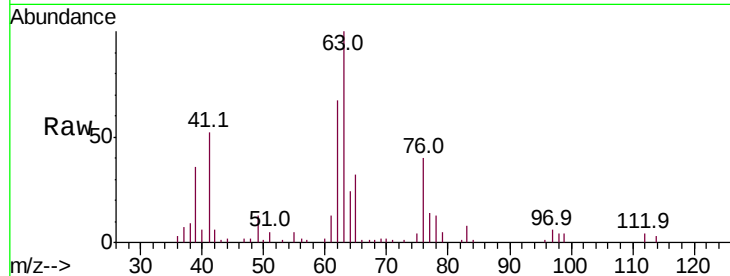
63 100

65 31.8 25.2 37.8

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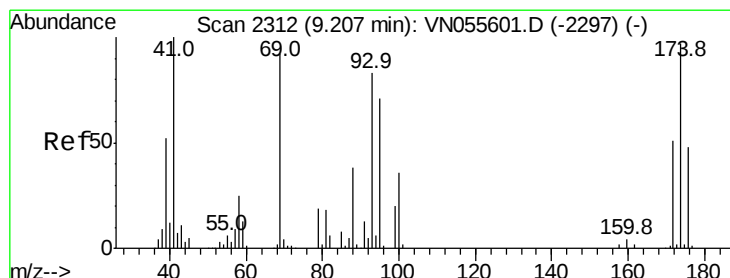
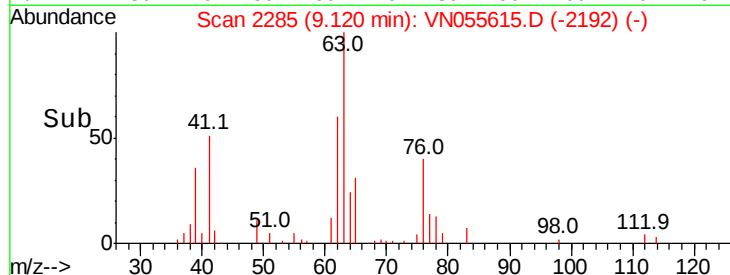
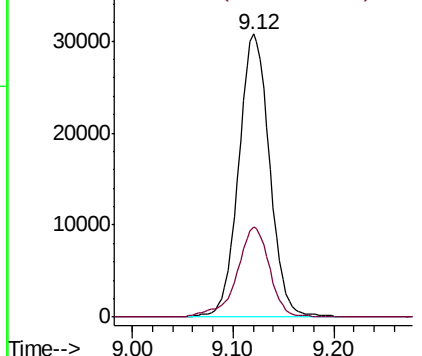
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Abundance Ion 62.90 (62.60 to 63.60): VN055615.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN055615.D (-2192) (-)



#46

Dibromomethane

Concen: 19.644 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

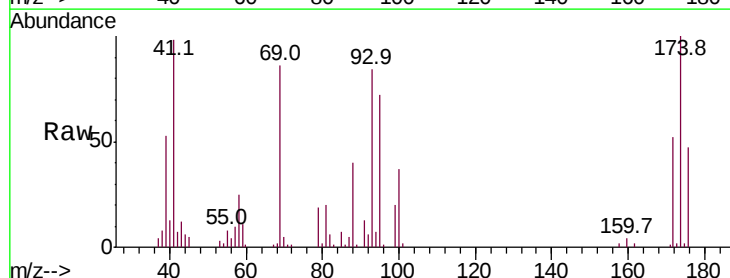
Tgt Ion: 93 Resp: 43878

Ion Ratio Lower Upper

93 100

95 83.6 67.9 101.9

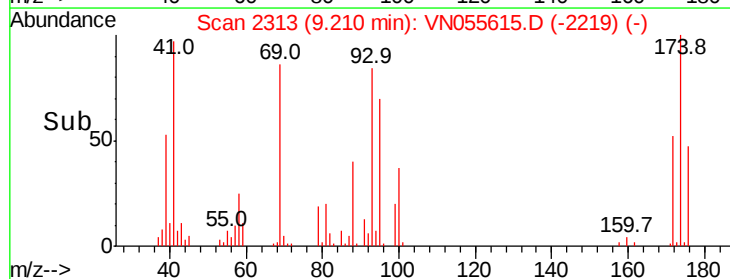
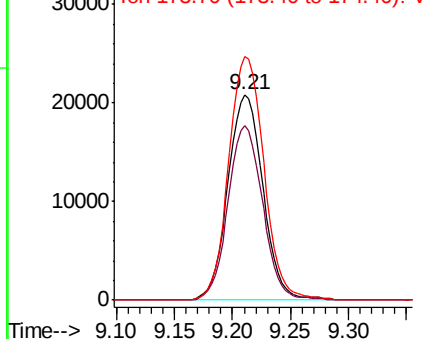
174 119.2 93.8 140.6

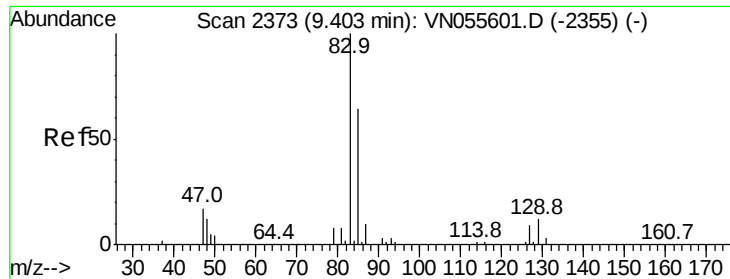


Abundance Ion 92.80 (92.50 to 93.50): VN055615.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN055615.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN055615.D (-2219) (-)





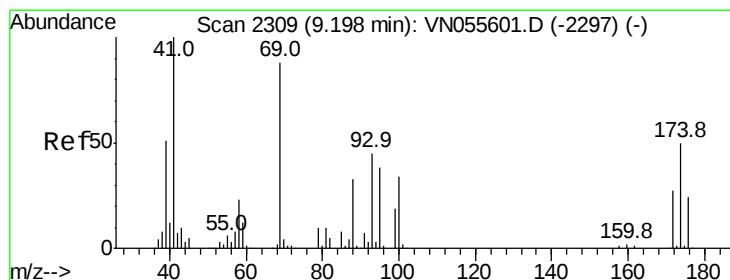
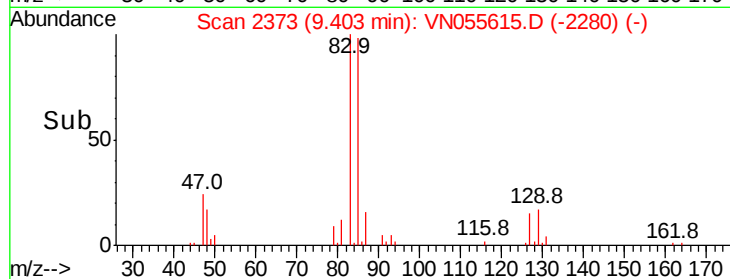
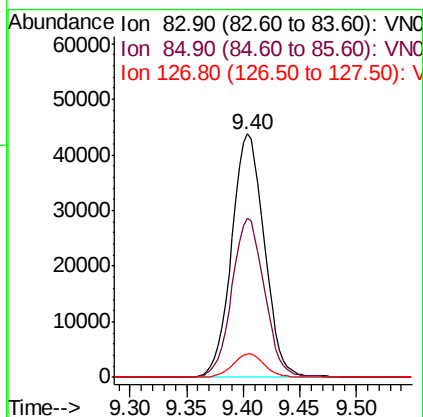
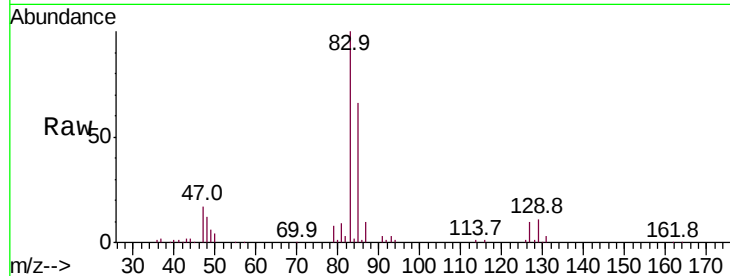
#47
Bromodichloromethane
Concen: 18.802 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.6	51.4	77.0	
127	9.8	7.1	10.7	

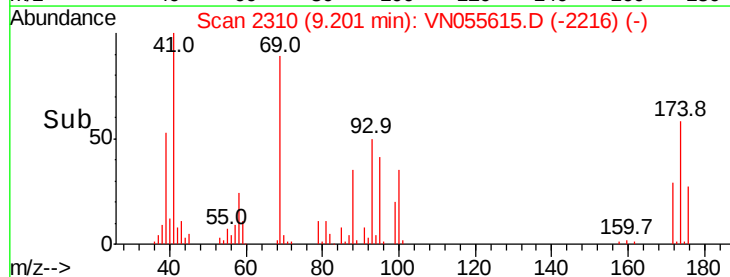
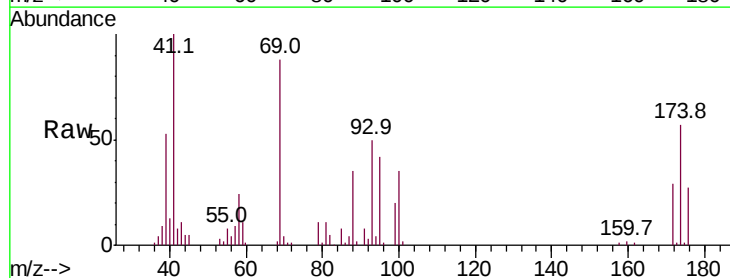
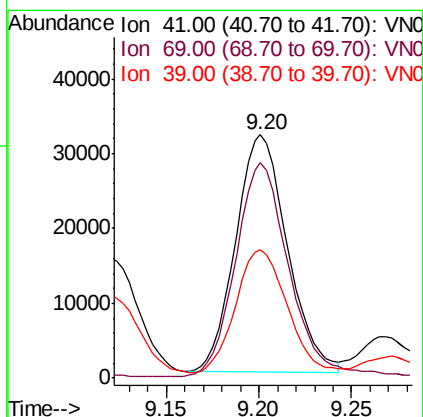
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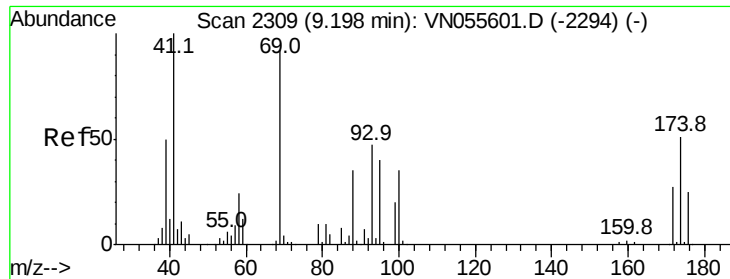
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#48
Methyl methacrylate
Concen: 19.938 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	95.9	74.2	111.2	
39	56.0	43.8	65.8	





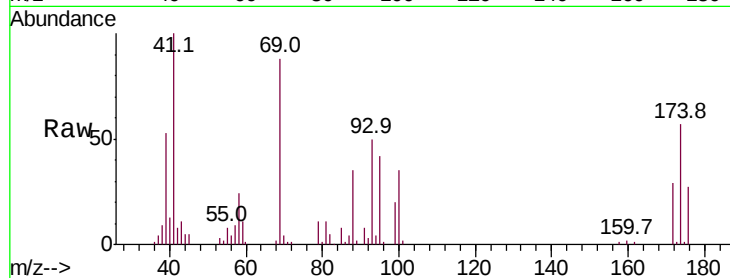
#49
1,4-Dioxane
Concen: 432.729 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS01

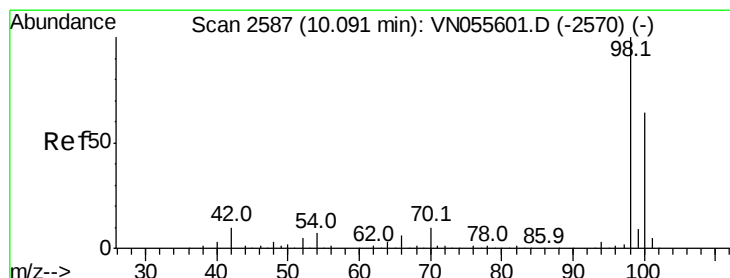
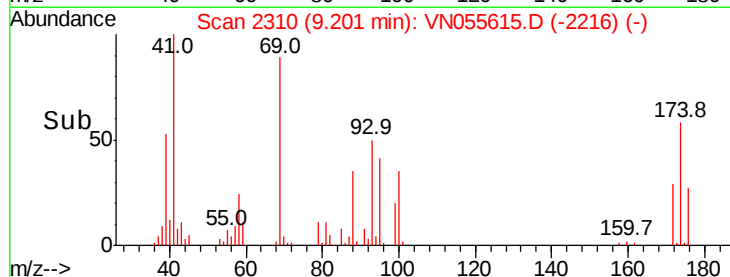
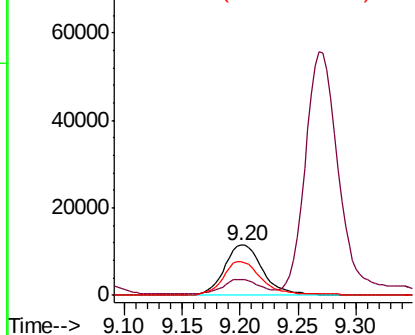
Tot Ion	88	Resp	26570
Ion	Ratio	Lower	Upper
88	100		
43	27.8	22.4	33.6
58	66.8	53.4	80.2

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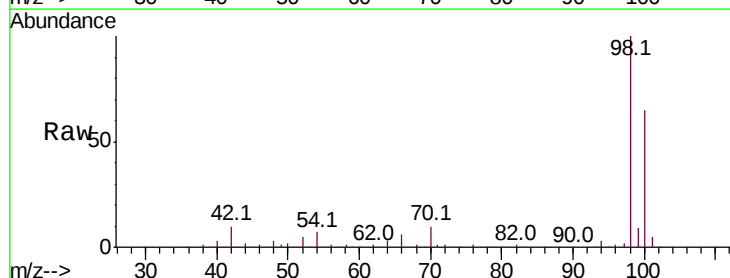


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

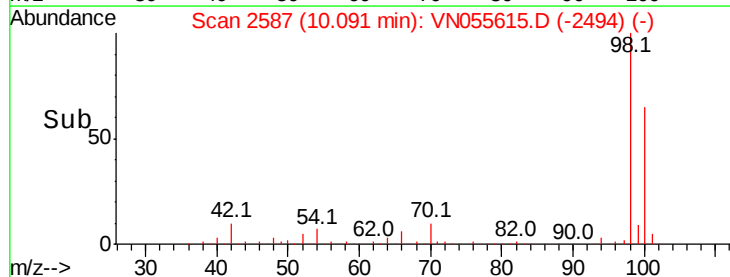
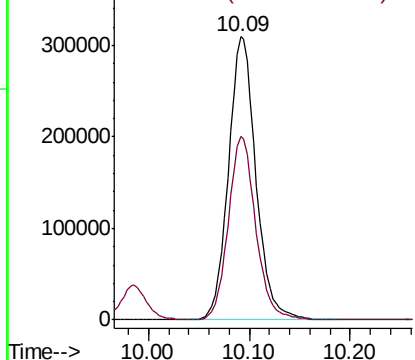


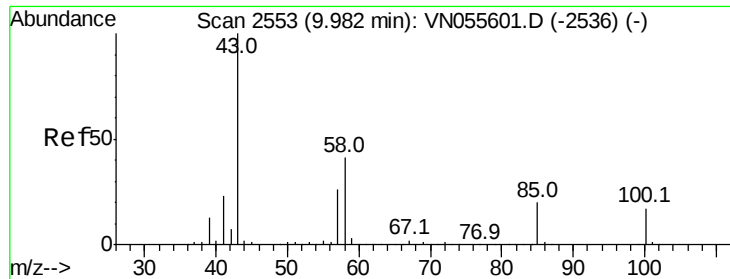
#50
Toluene-d8
Concen: 49.452 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion	98	Resp	586771
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 99.393 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS01

Tot Ion: 43 Resp: 403062

Ion Ratio Lower Upper

43 100

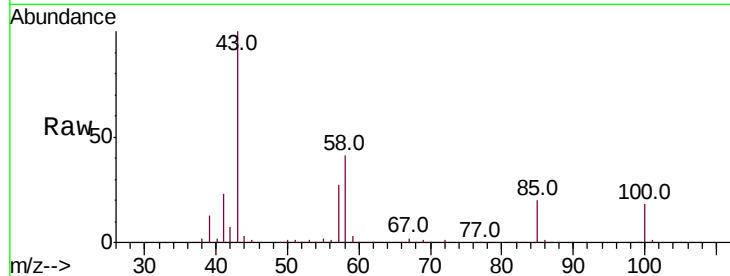
58 41.5 32.7 49.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

50000

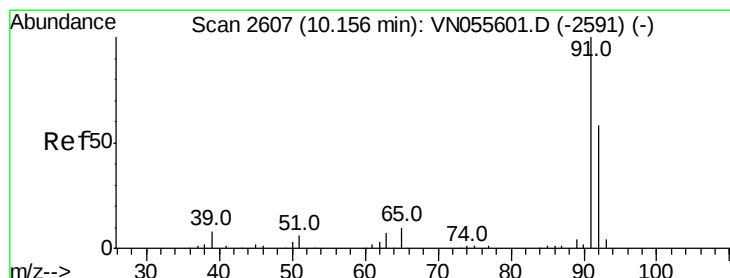
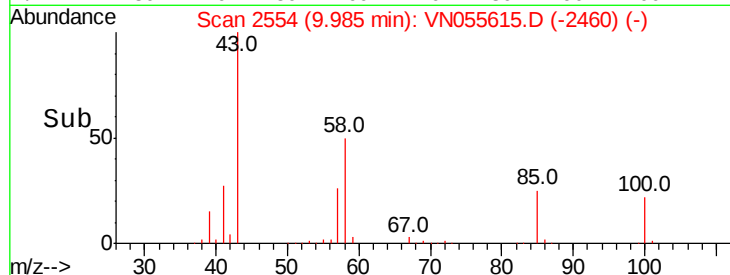
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 18.983 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055615.D

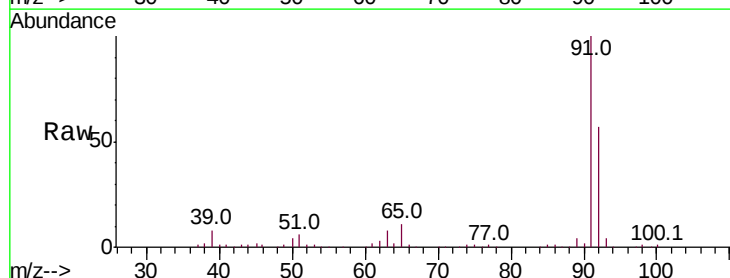
Acq: 17 May 2019 17:09

Tgt Ion: 92 Resp: 154244

Ion Ratio Lower Upper

92 100

91 174.2 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

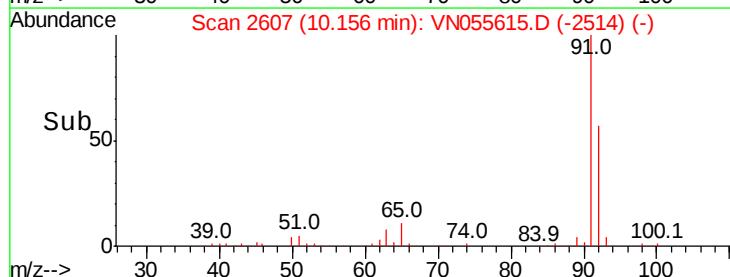
50000

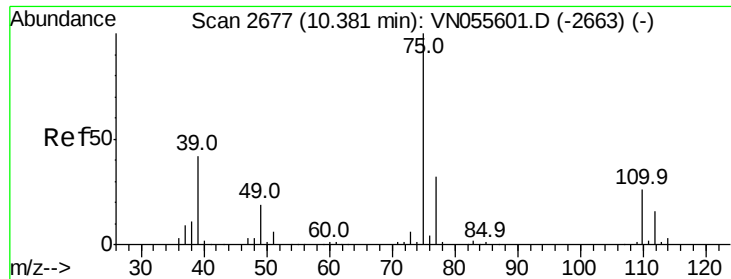
0

10.10

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.859 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS01

Tot Ion: 75 Resp: 95018

Ion Ratio Lower Upper

75 100

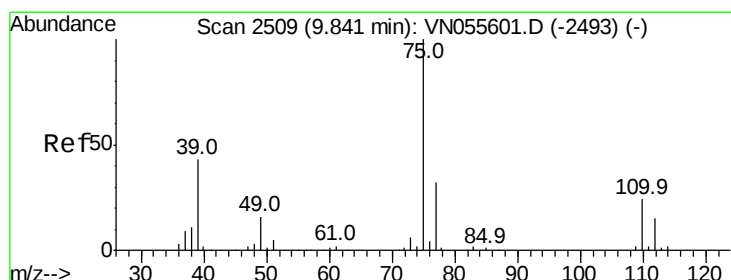
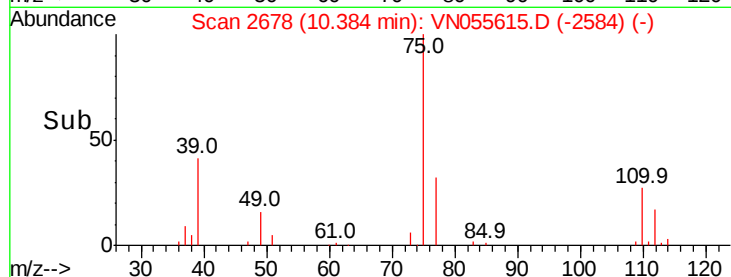
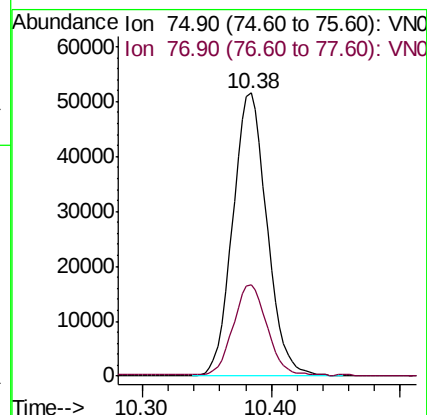
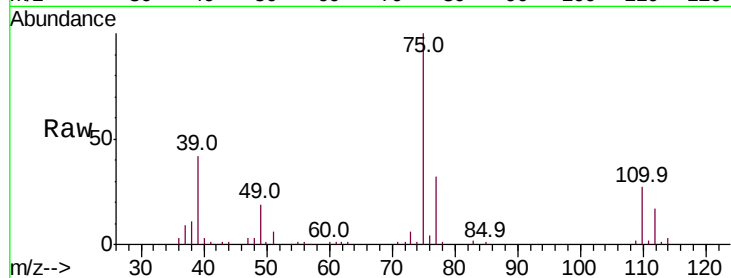
77 31.9 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 19.074 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

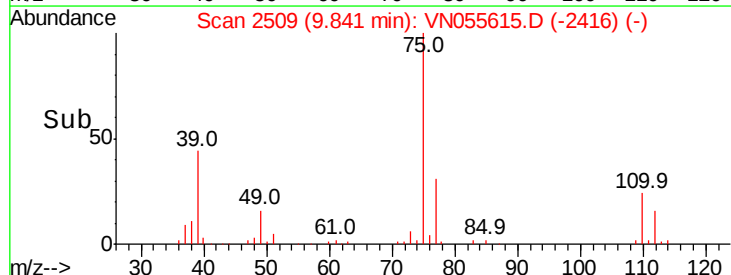
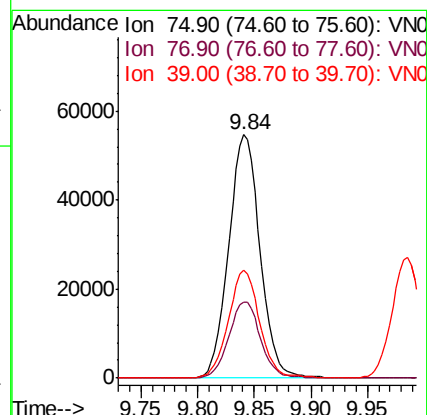
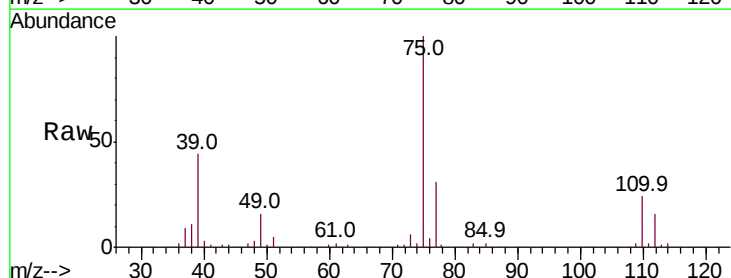
Tgt Ion: 75 Resp: 105280

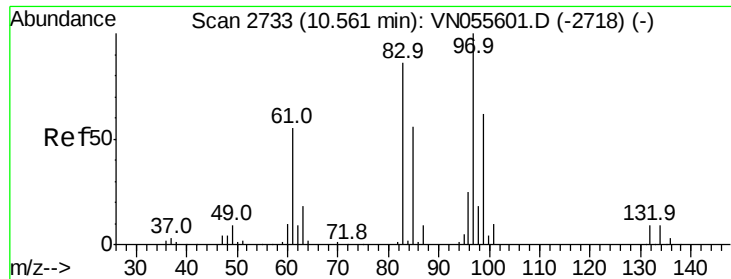
Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5

39 44.4 34.7 52.1





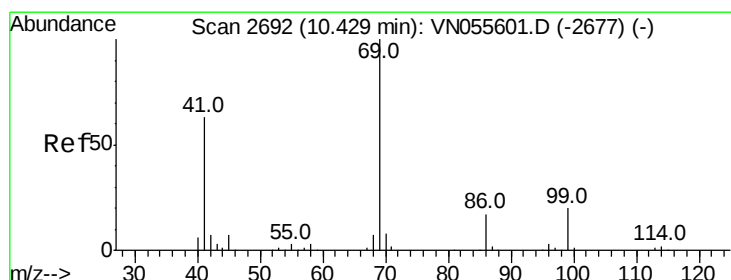
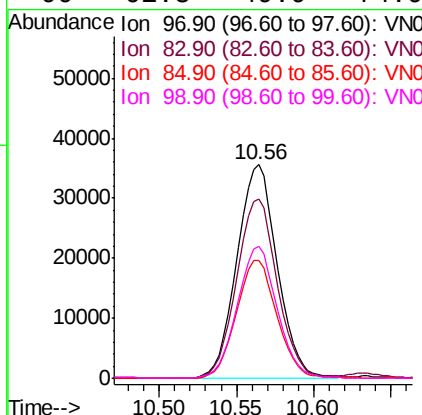
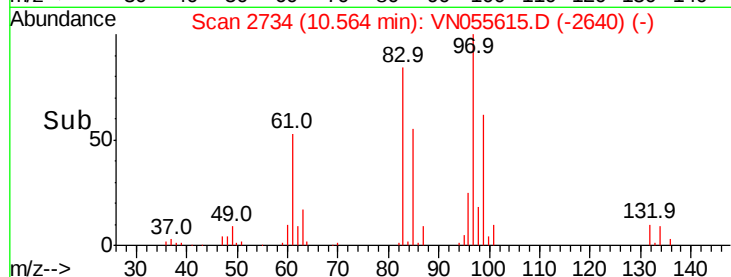
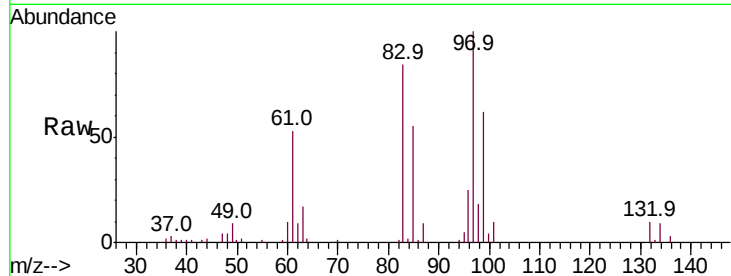
#55
 1,1,2-Trichloroethane
 Concen: 19.306 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	83.9	68.4	102.6	
85	55.3	44.8	67.2	
99	61.8	49.9	74.9	

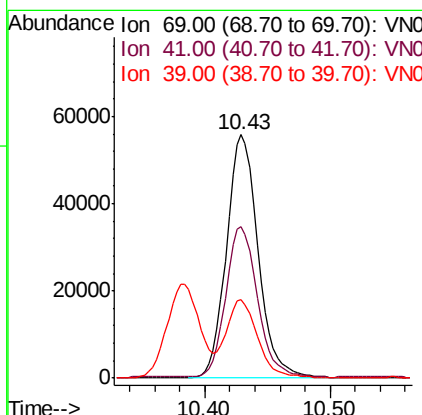
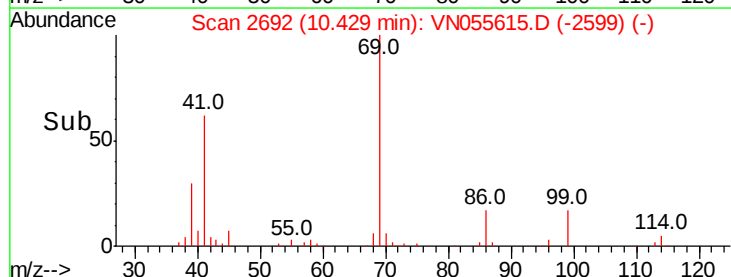
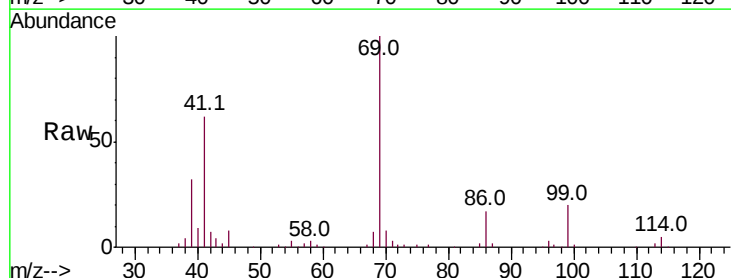
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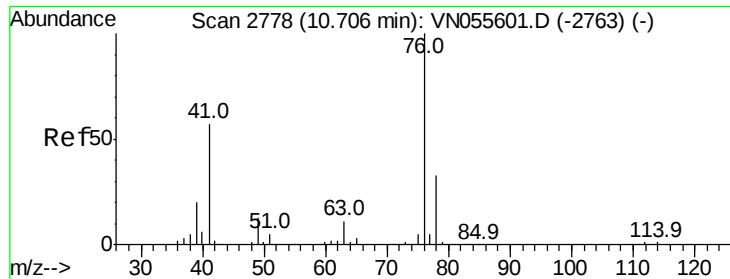
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 5/20/2019 9:08:50 AM



#56
 Ethyl methacrylate
 Concen: 18.761 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	61.8	50.3	75.5	
39	31.9	25.4	38.2	





#57

1,3-Dichloropropane

Concen: 19.232 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS01

Tot Ion: 76 Resp: 101889

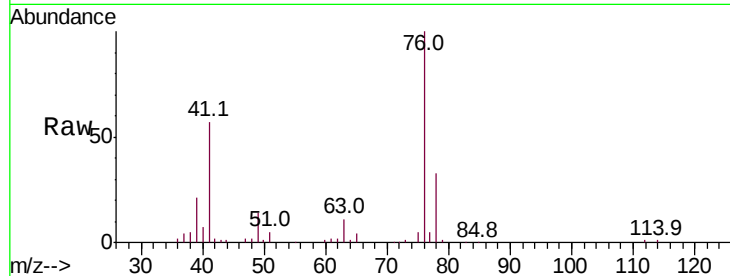
Ion Ratio Lower Upper

76 100

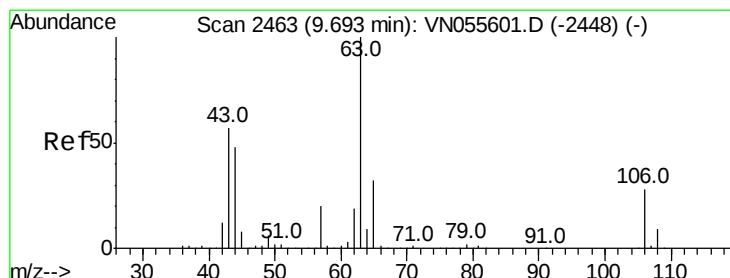
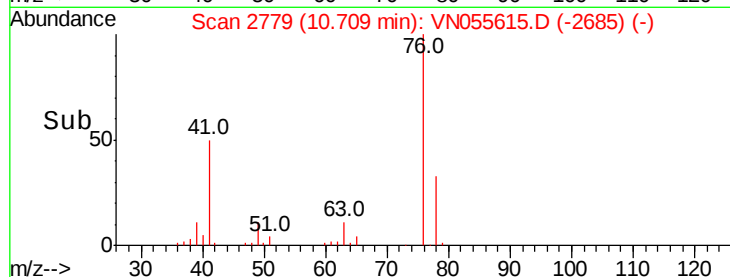
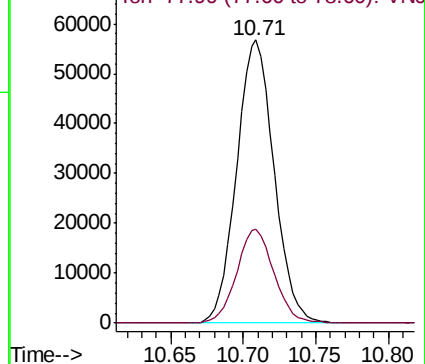
78 33.1 26.5 39.7

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Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#58

2-Chloroethyl Vinyl ether

Concen: 98.841 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055615.D

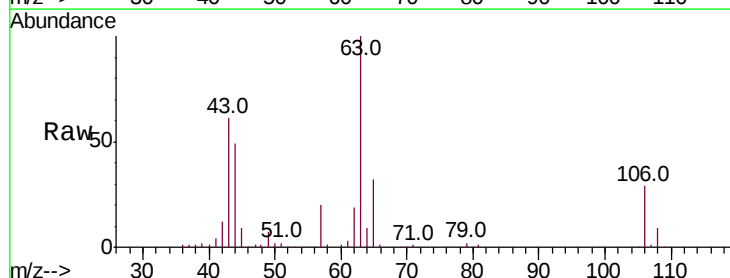
Acq: 17 May 2019 17:09

Tgt Ion: 63 Resp: 219296

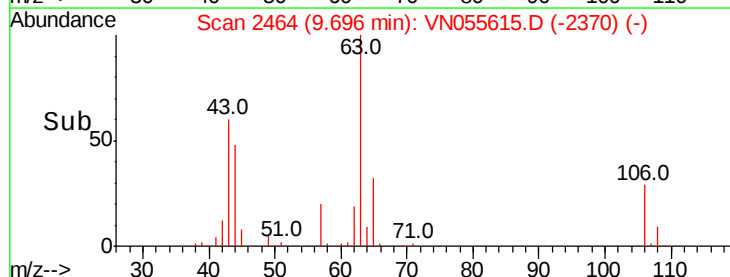
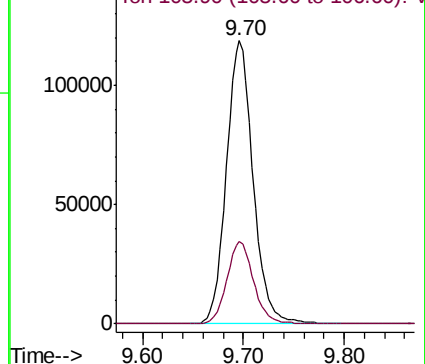
Ion Ratio Lower Upper

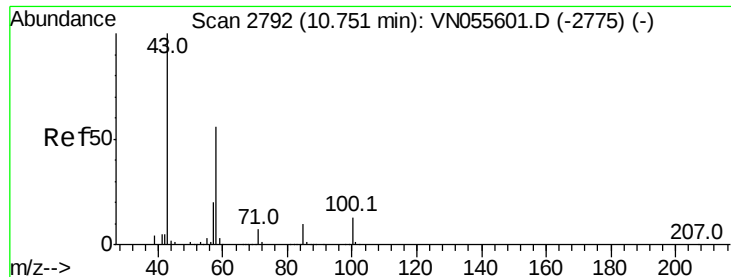
63 100

106 29.1 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 105.90 (105.60 to 106.60): VNO





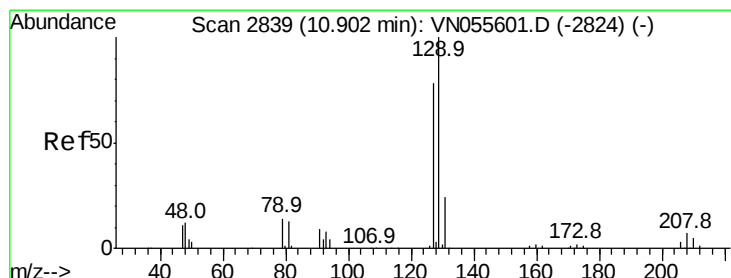
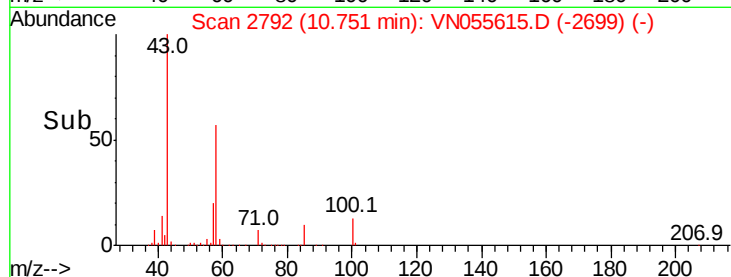
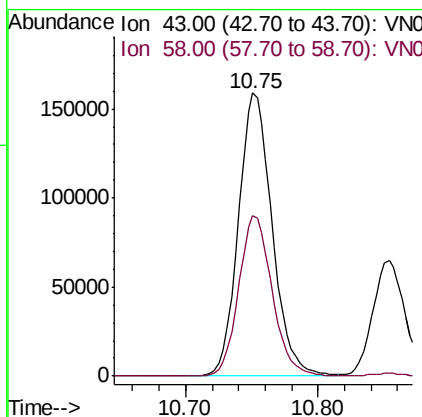
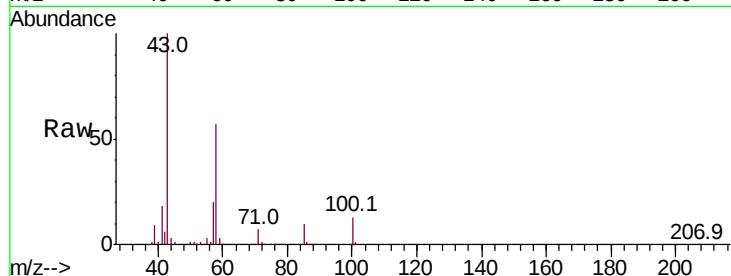
#59
2-Hexanone
Concen: 97.696 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS01

Tot Ion: 43 Resp: 278930
Ion Ratio Lower Upper
43 100
58 56.7 28.1 84.4

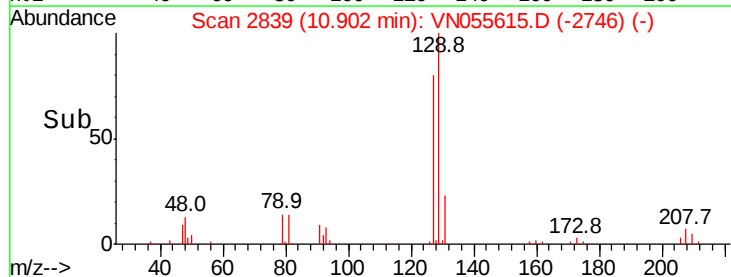
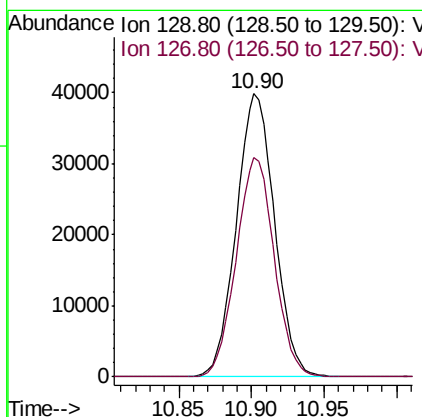
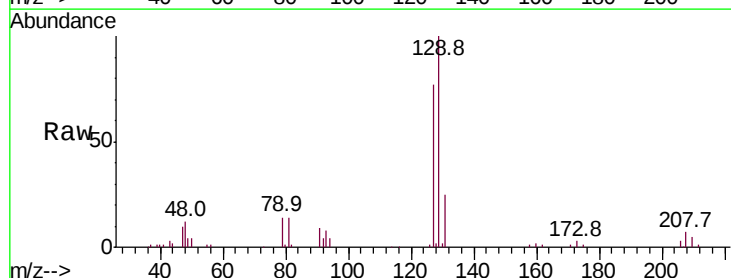
Manual Integrations
APPROVED

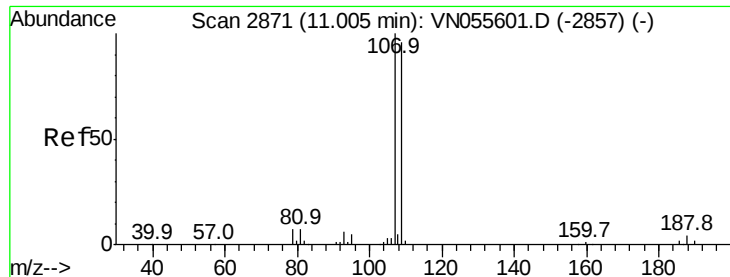
MMDadoda
5/20/2019 9:08:50 AM



#60
Dibromochloromethane
Concen: 19.243 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion: 129 Resp: 72954
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





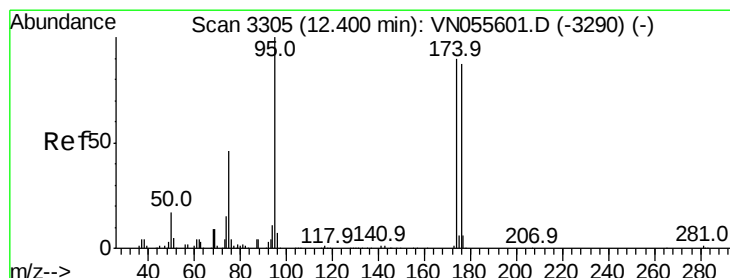
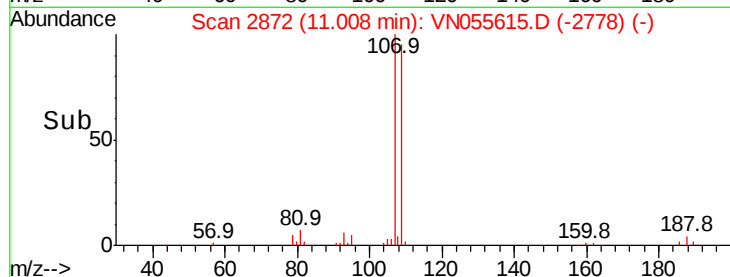
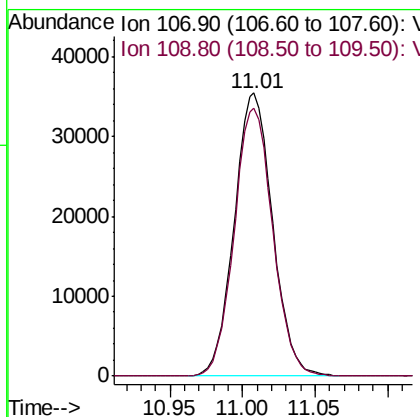
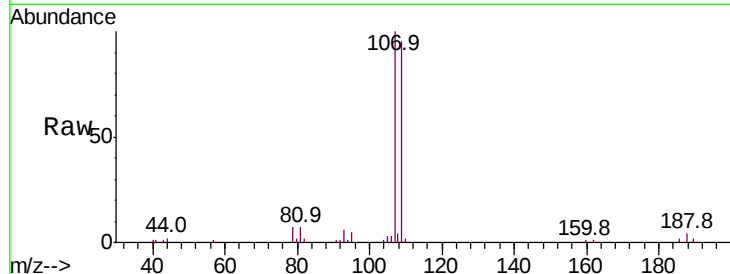
#61
 1,2-Dibromoethane
 Concen: 19.456 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.6	113.4

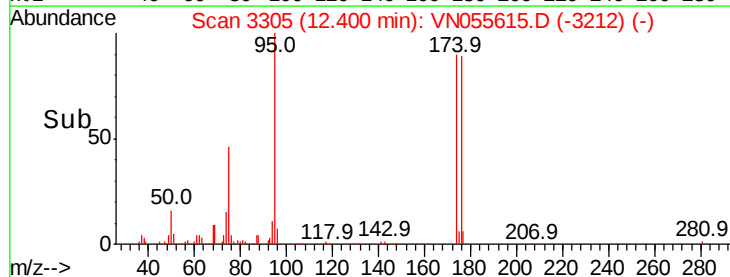
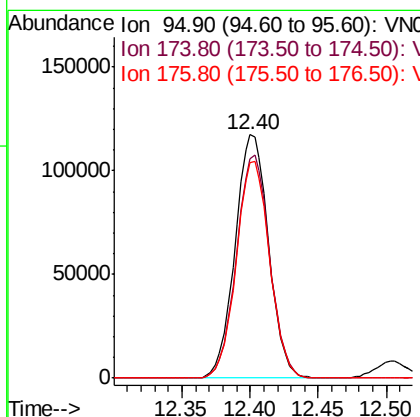
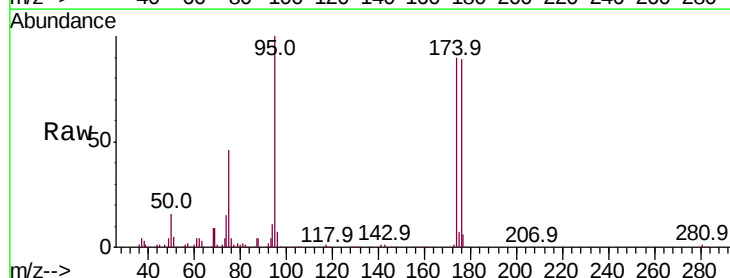
Manual Integrations
 APPROVED

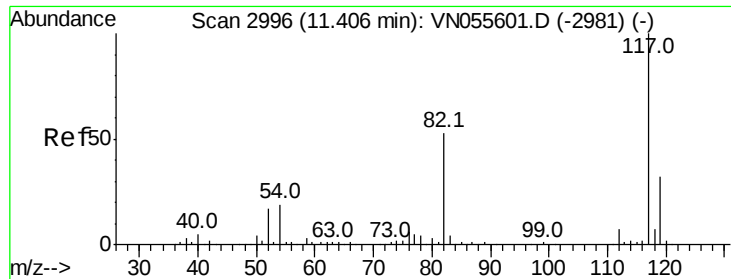
MMDadoda
 5/20/2019 9:08:50 AM



#62
 4-Bromofluorobenzene
 Concen: 48.739 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	180.6
176	88.7	0.0	177.4





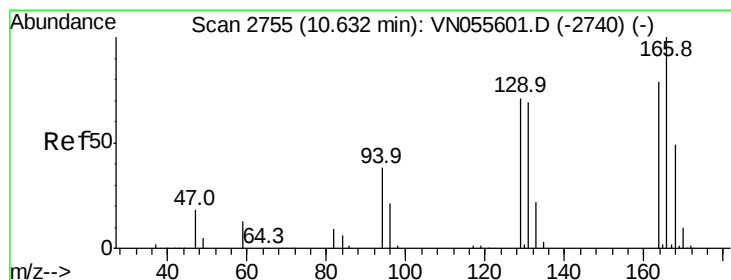
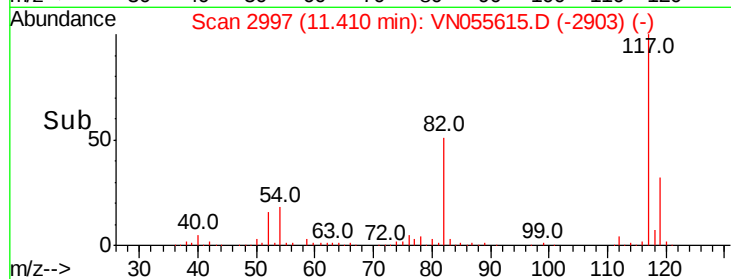
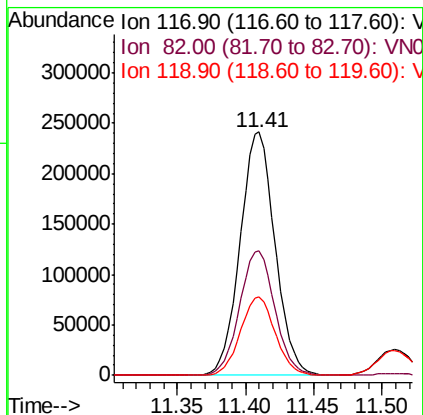
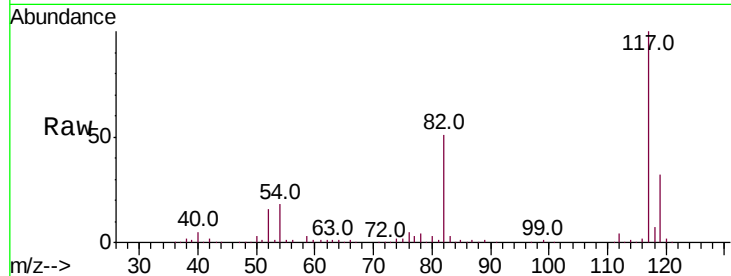
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	42.3	63.5
119	32.1	25.4	38.2

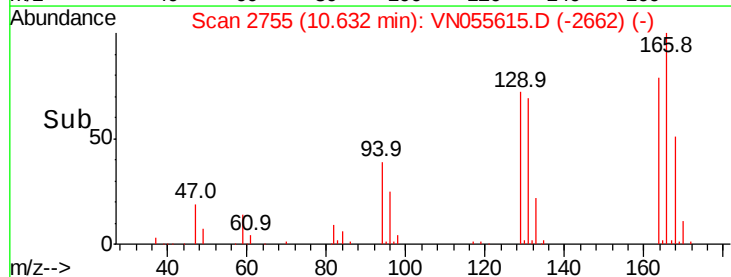
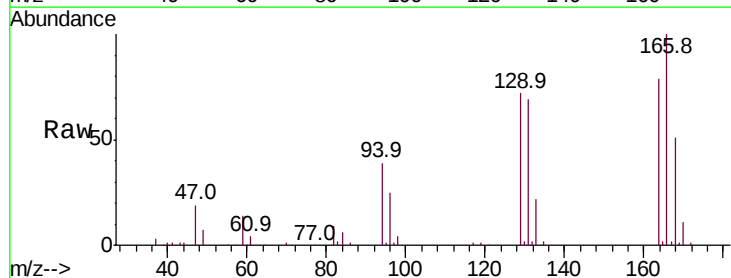
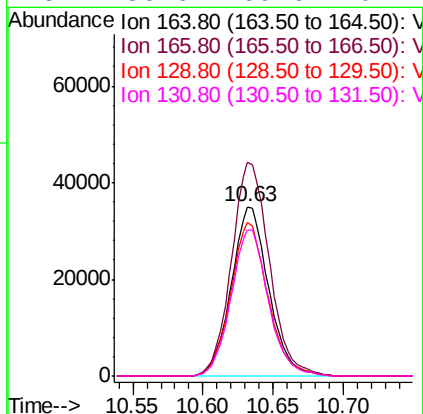
Manual Integrations
APPROVED

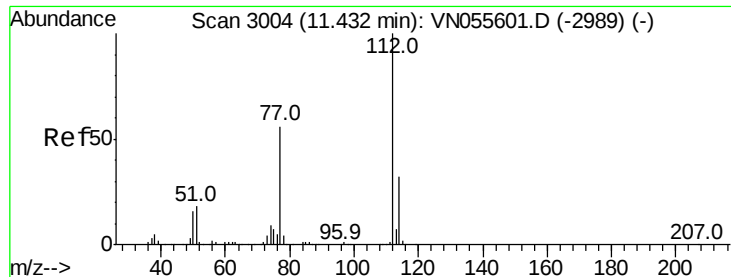
MMDadoda
5/20/2019 9:08:50 AM



#64
Tetrachloroethene
Concen: 19.216 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	101.0	151.6
129	90.7	71.7	107.5
131	86.6	69.6	104.4





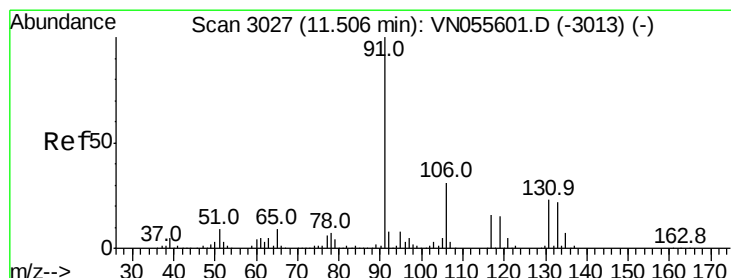
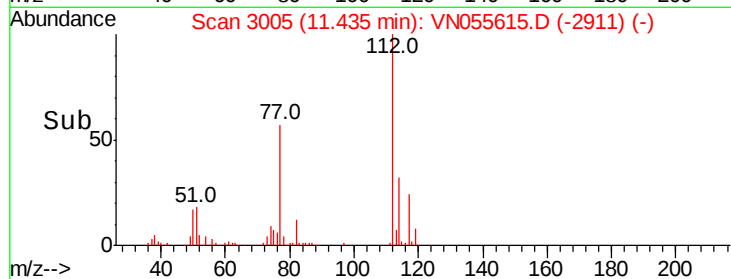
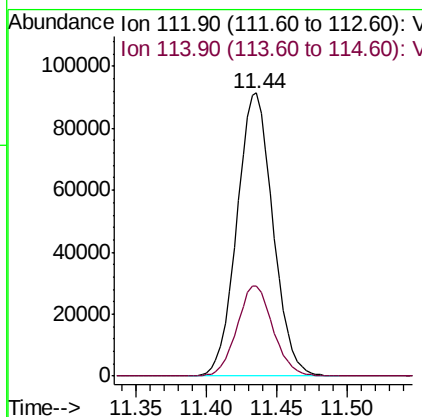
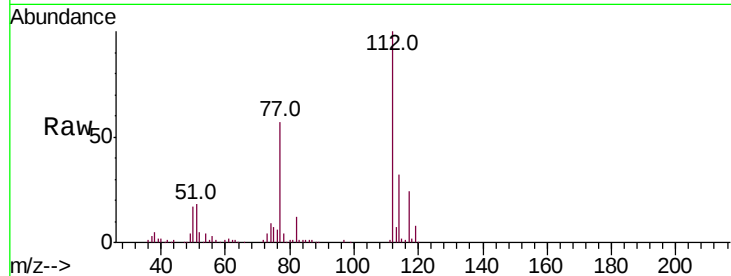
#65
Chlorobenzene
Concen: 18.904 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampled :
VN0517WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	163532		
114	31.9	25.6	38.4	

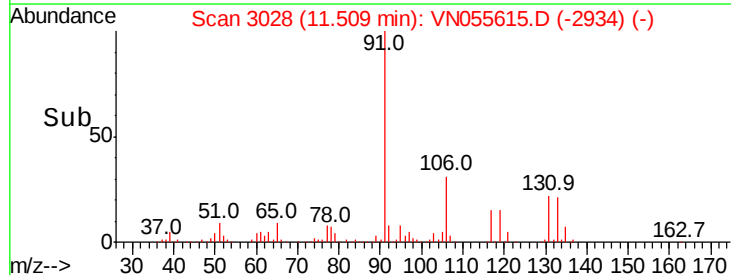
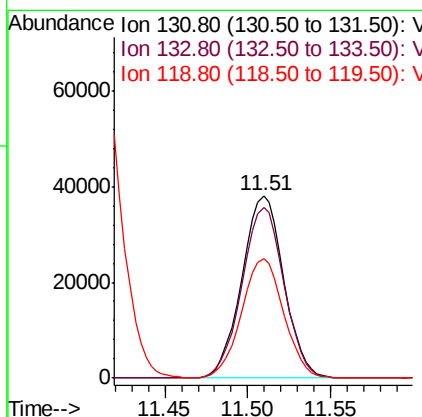
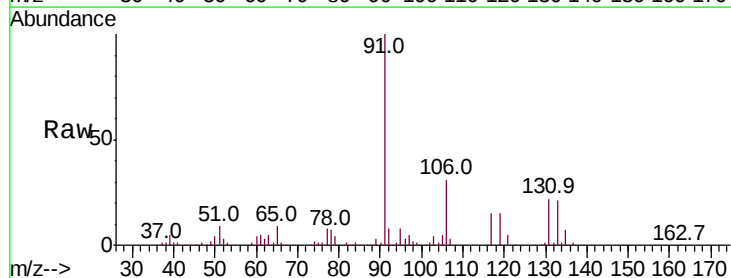
Manual Integrations
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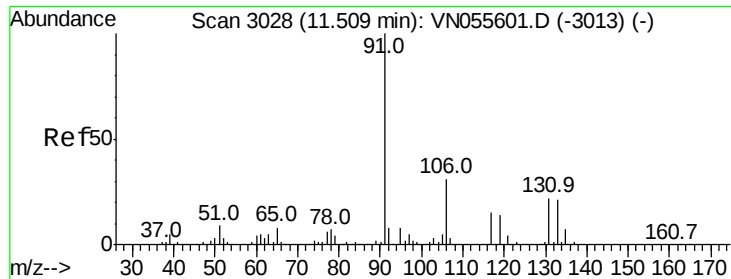
MMDadoda
5/20/2019 9:08:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.243 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	66968		
133	93.9	47.8	143.4	
119	65.9	33.3	99.8	





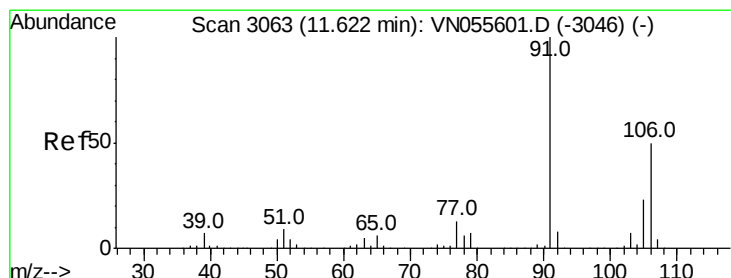
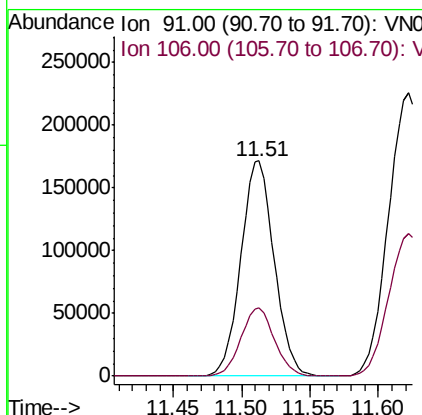
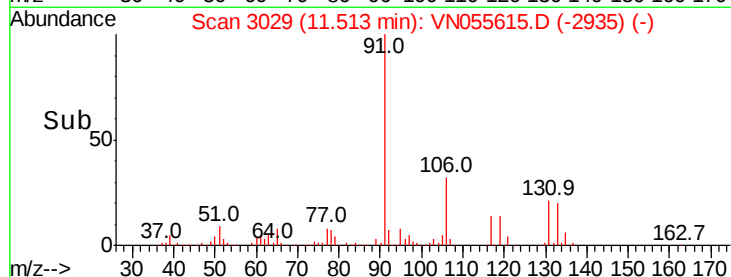
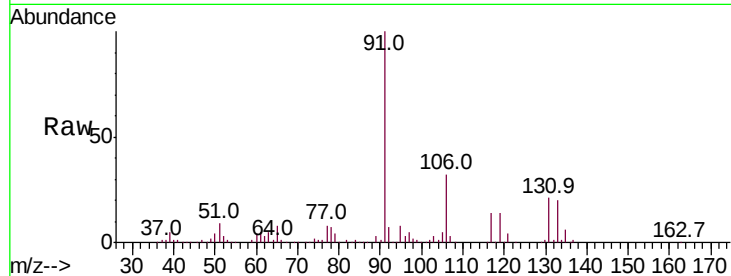
#67
Ethyl Benzene
Concen: 18.863 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampled :
VN0517WBS01

Tot Ion: 91 Resp: 290686
Ion Ratio Lower Upper
91 100
106 31.7 25.2 37.8

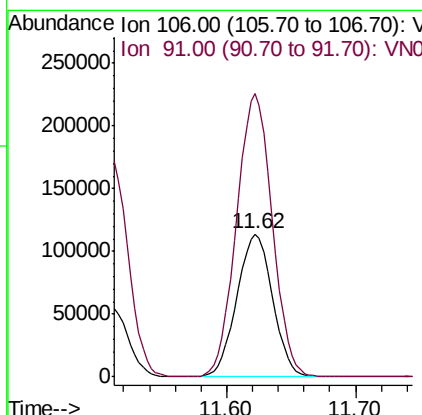
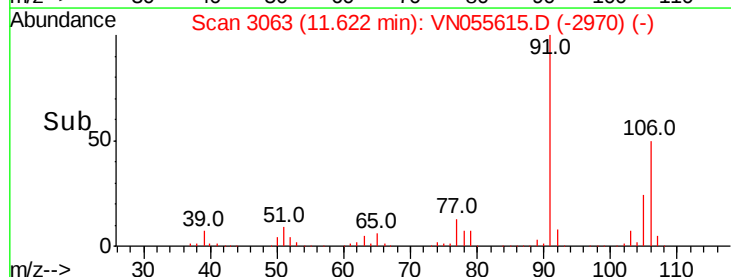
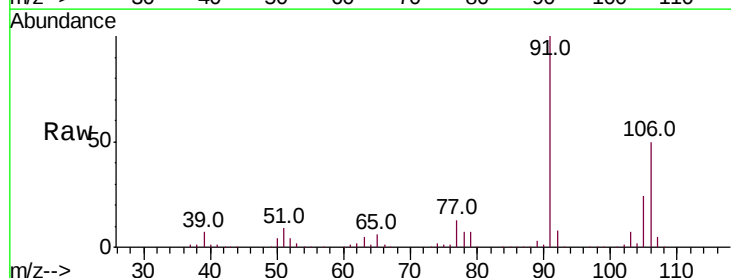
Manual Integrations
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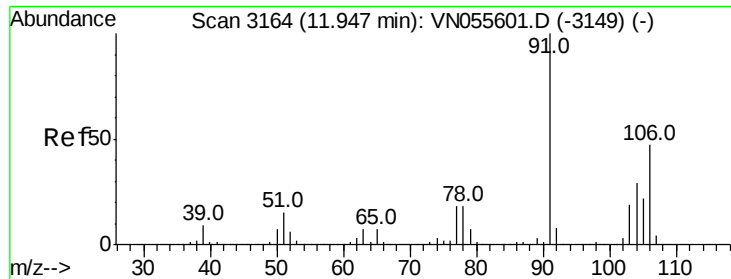
MMDadoda
5/20/2019 9:08:50 AM



#68
m/p-Xylenes
Concen: 37.676 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion: 106 Resp: 219258
Ion Ratio Lower Upper
106 100
91 197.6 160.5 240.7





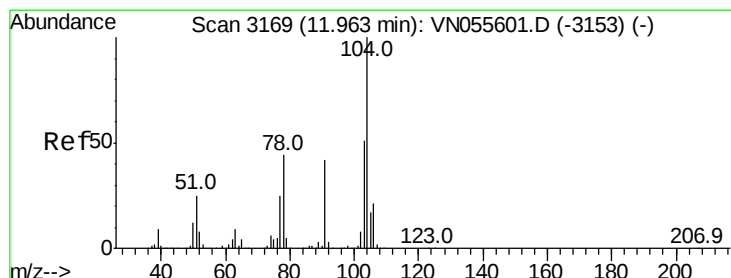
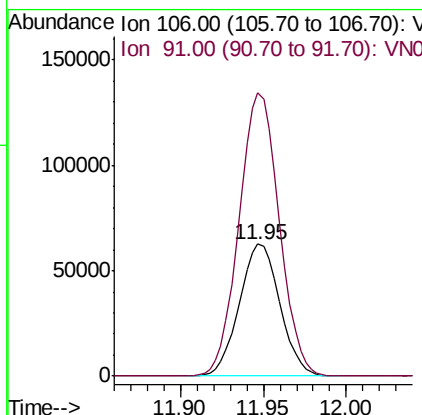
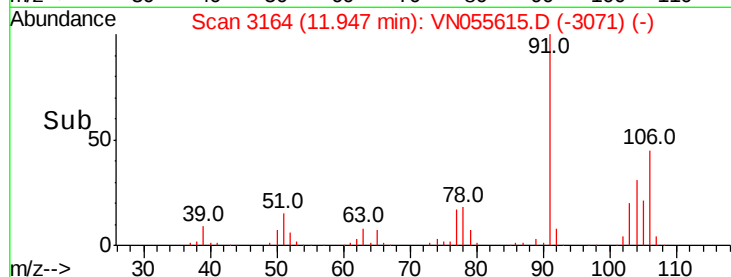
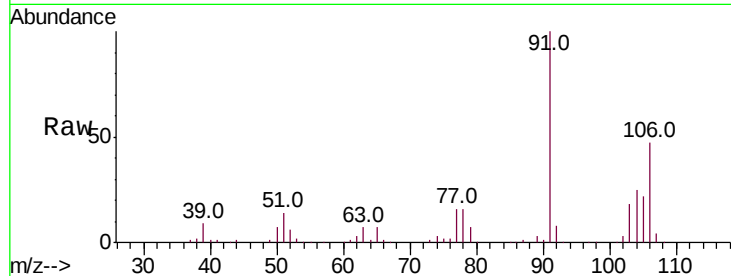
#69
o-Xylene
Concen: 18.728 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampled :
VN0517WBS01

Tot Ion:106 Resp: 106602
Ion Ratio Lower Upper
106 100
91 212.6 106.7 320.2

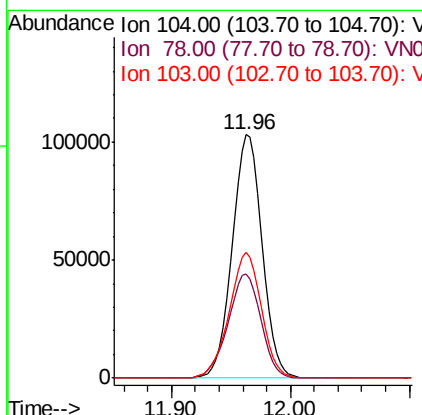
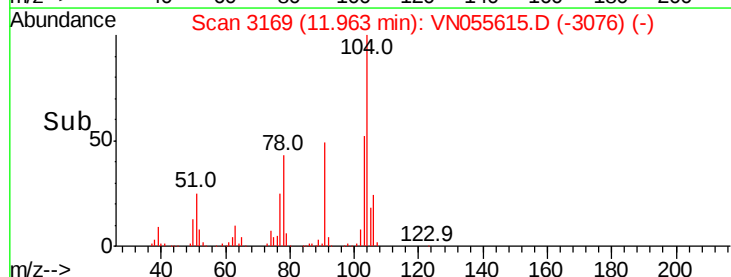
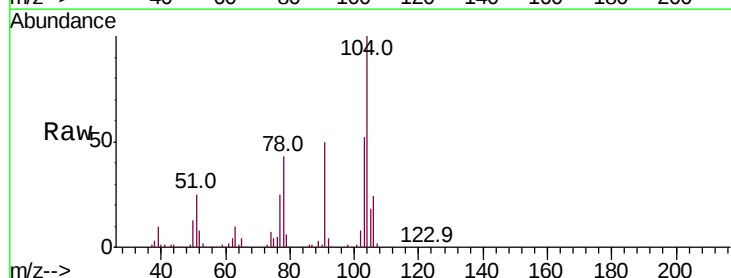
Manual Integrations
APPROVED

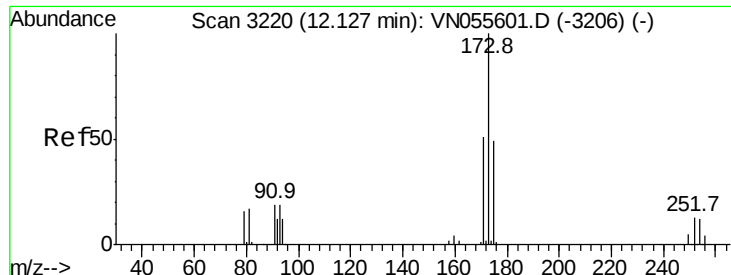
MMDadoda
5/20/2019 9:08:50 AM



#70
Styrene
Concen: 18.946 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion:104 Resp: 179308
Ion Ratio Lower Upper
104 100
78 47.2 38.6 58.0
103 55.7 44.4 66.6





#71

Bromoform

Concen: 19.424 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS01

Tot Ion:173 Resp: 57285

Ion Ratio Lower Upper

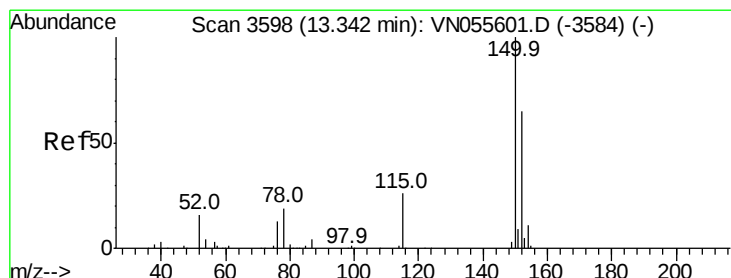
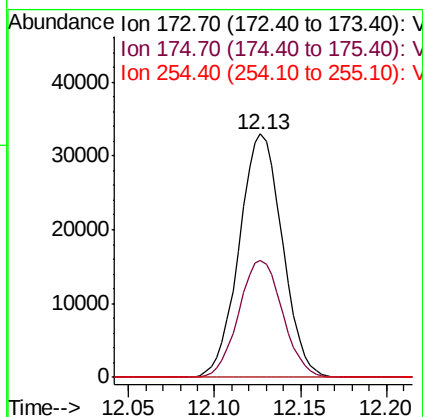
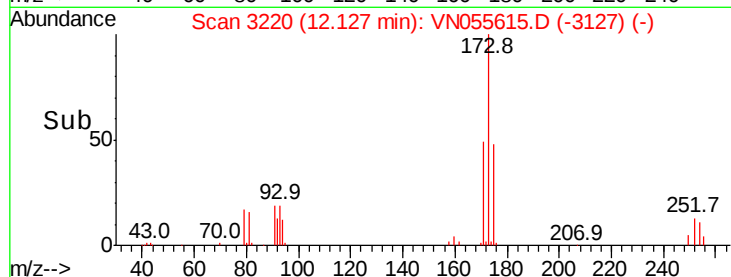
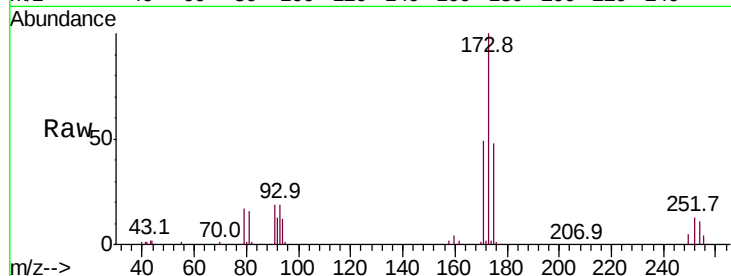
173 100

175 48.8 24.3 72.9

254 0.0 0.1 0.1#

Manual Integrations
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5/20/2019 9:08:50 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

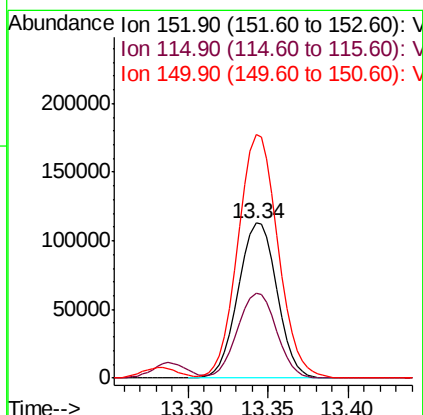
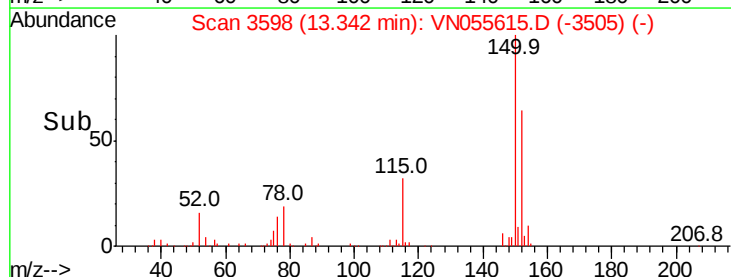
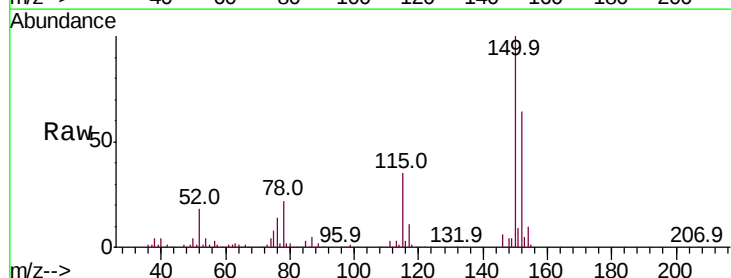
Tgt Ion:152 Resp: 187003

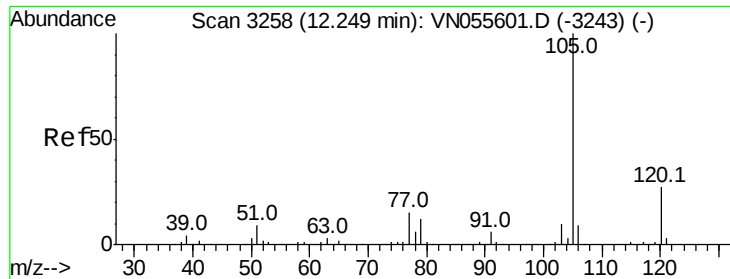
Ion Ratio Lower Upper

152 100

115 55.3 28.1 84.2

150 161.8 0.0 348.0





#73

Isopropylbenzene

Concen: 20.412 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS01

Tot Ion:105 Resp: 286577

Ion Ratio Lower Upper

105 100

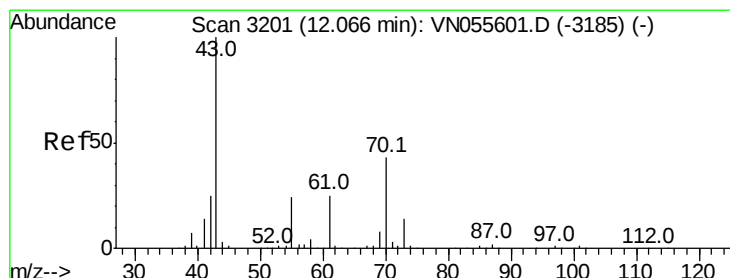
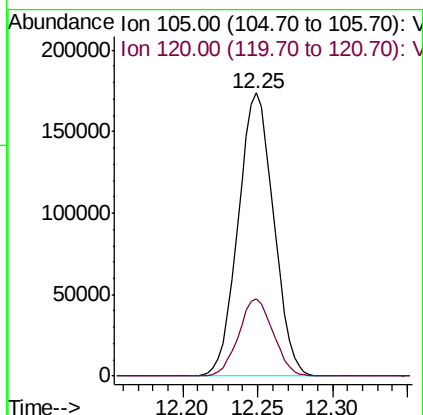
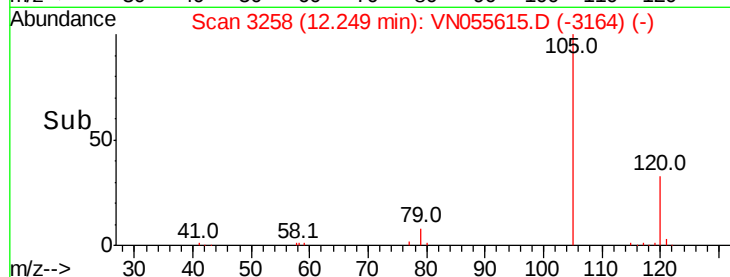
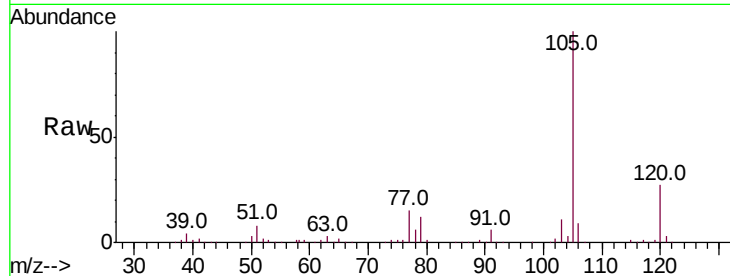
120 26.6 13.4 40.2

Manual Integrations

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5/20/2019 9:08:50 AM



#74

N-ethyl acetate

Concen: 19.186 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Tgt Ion: 43 Resp: 100747

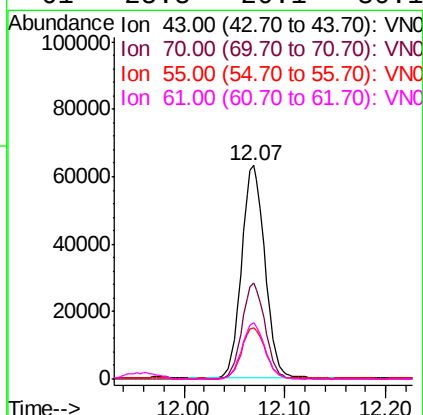
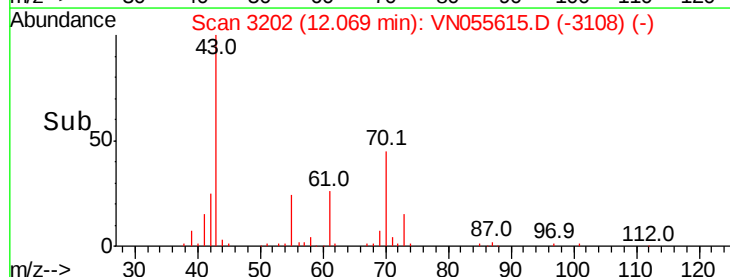
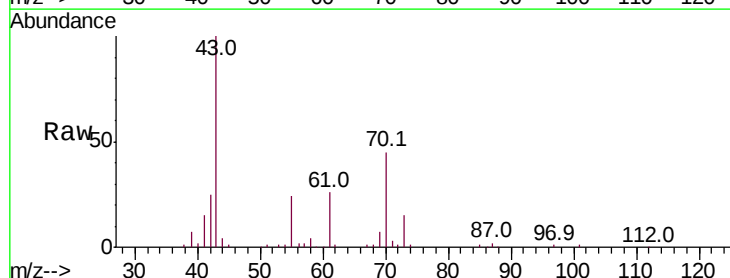
Ion Ratio Lower Upper

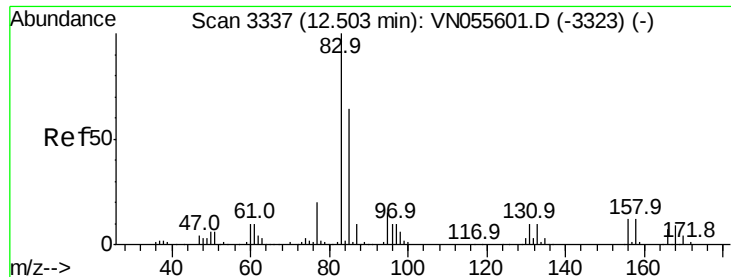
43 100

70 44.4 35.0 52.6

55 23.8 18.9 28.3

61 25.8 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.590 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

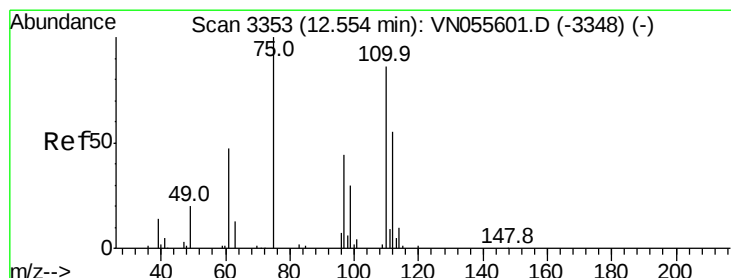
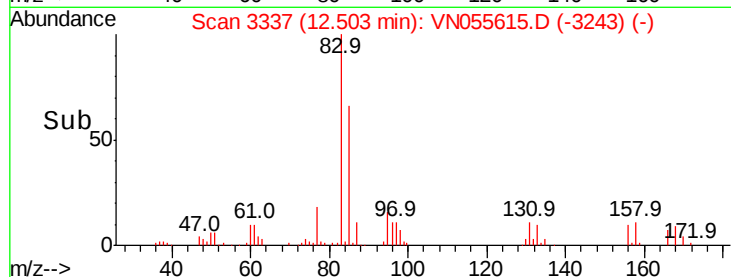
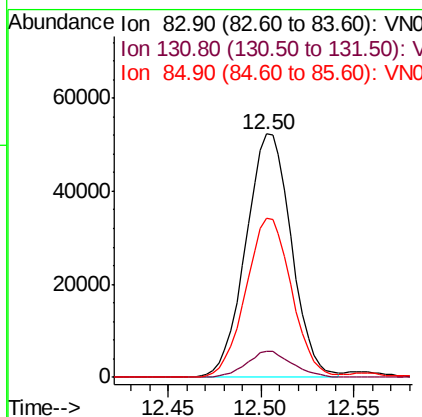
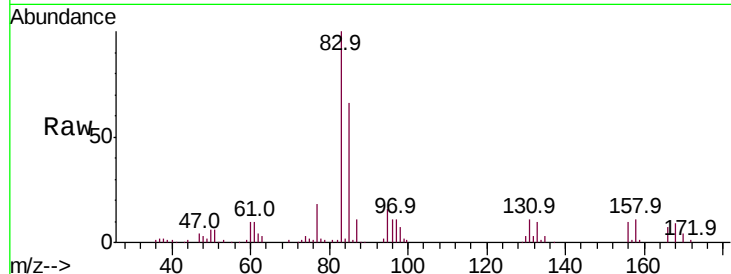
ClientSampleId :

VN0517WBS01

Tot Ion:	83	Resp:	89244
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	16.1
85	65.6	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 19.623 ug/l m

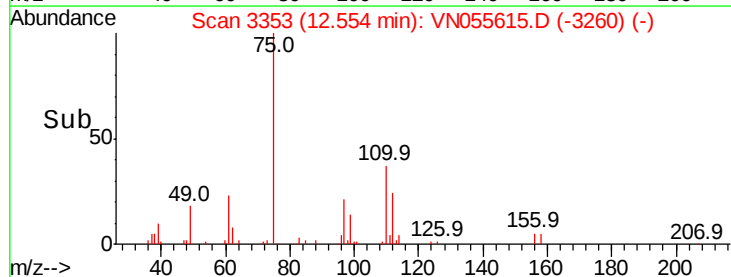
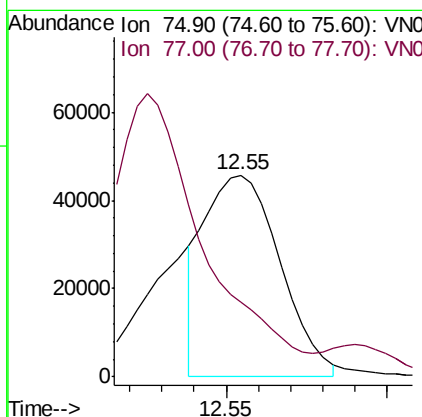
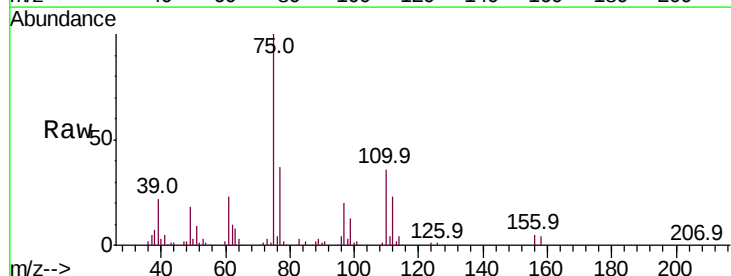
RT: 12.55 min Scan# 3353

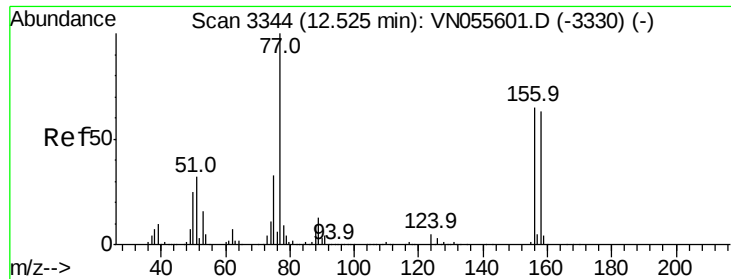
Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Tgt Ion:	75	Resp:	74879
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





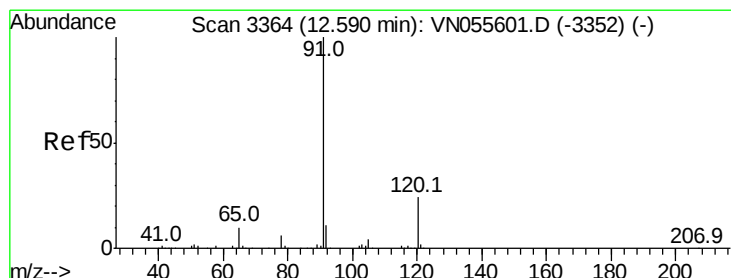
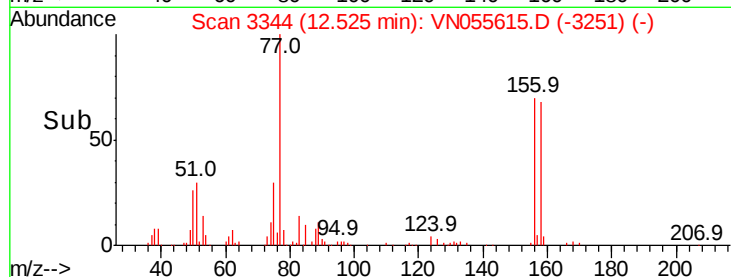
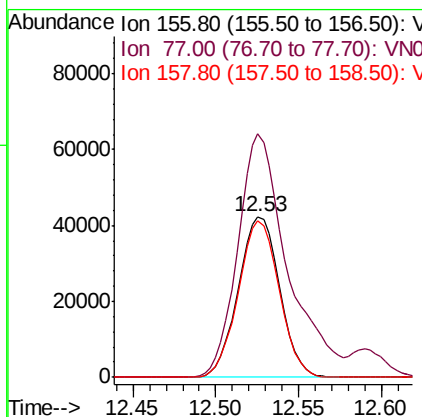
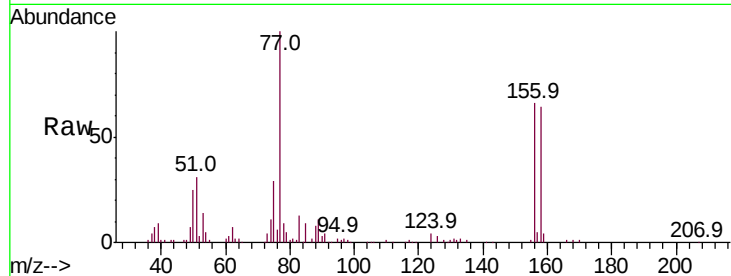
#77
Bromobenzene
Concen: 19.173 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	182.2	94.5	283.5
158	96.4	49.0	147.2

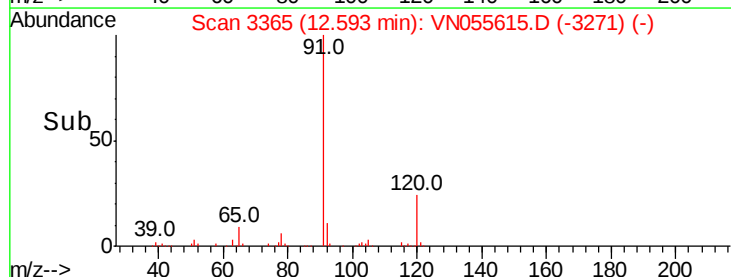
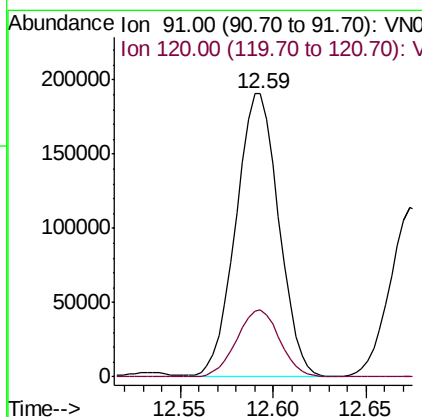
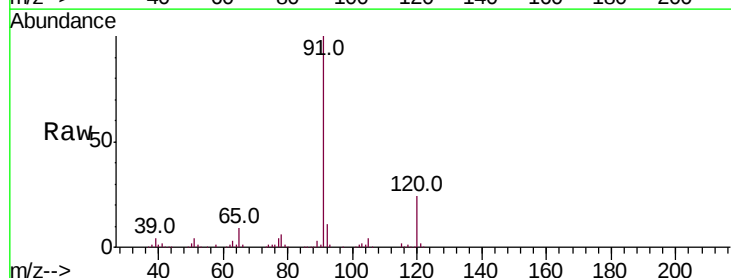
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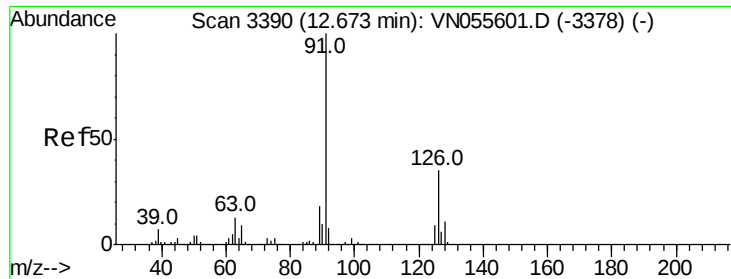
MMDadoda
5/20/2019 9:08:50 AM



#78
n-propylbenzene
Concen: 18.380 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.001 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBS01

Tot Ion: 91 Resp: 186721

Ion Ratio Lower Upper

91 100

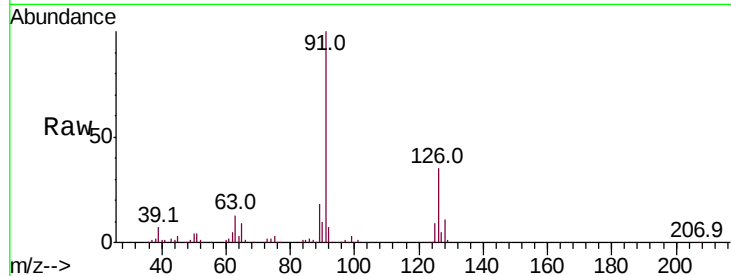
126 35.3 17.8 53.4

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Abundance Ion 91.00 (90.70 to 91.70): VN055615.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN055615.D (-3390) (-)

150000

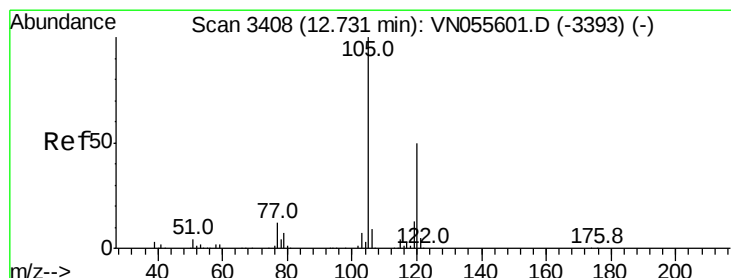
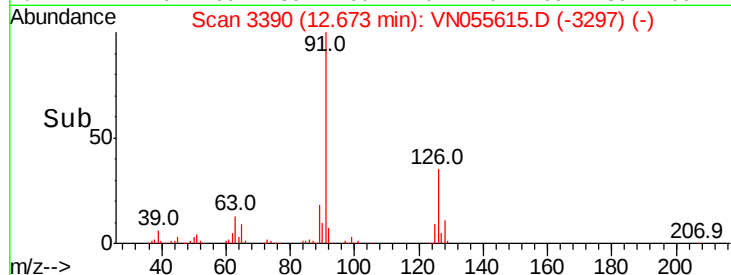
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.585 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055615.D

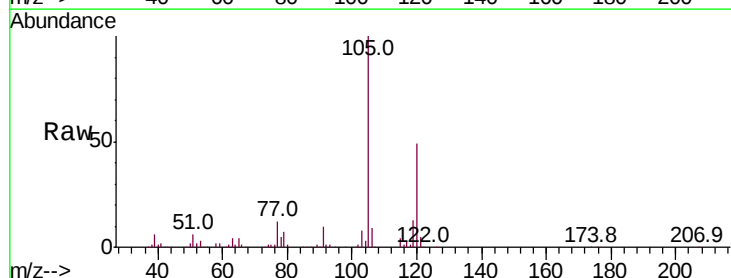
Acq: 17 May 2019 17:09

Tgt Ion:105 Resp: 233475

Ion Ratio Lower Upper

105 100

120 49.5 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN055615.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN055615.D (-3408) (-)

150000

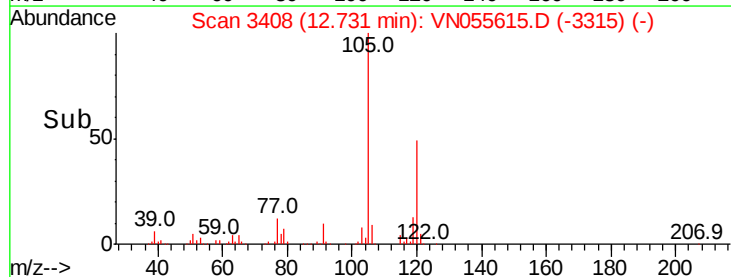
100000

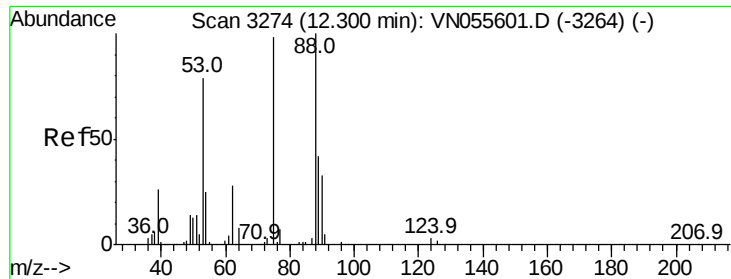
50000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.390 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

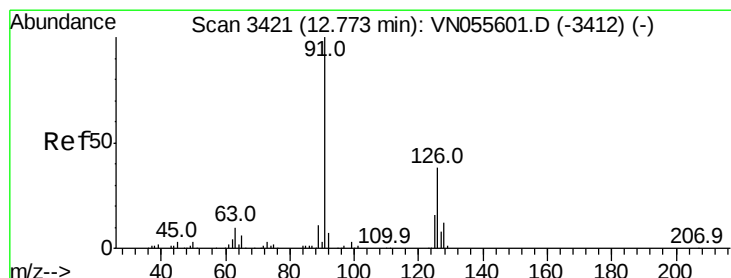
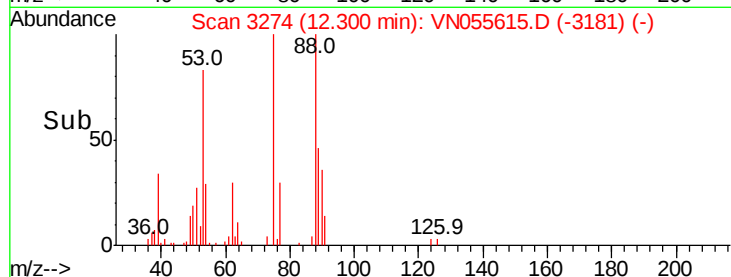
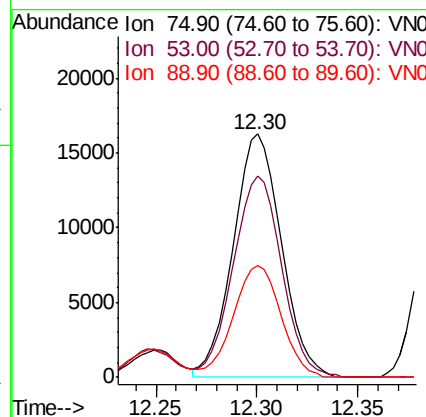
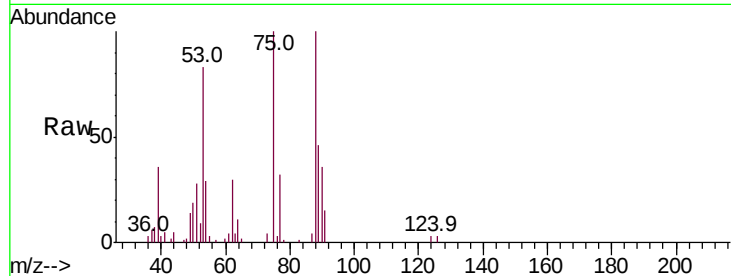
ClientSampleId :

VN0517WBS01

Tot Ion:	75	Resp:	27299
Ion	Ratio	Lower	Upper
75	100		
53	83.4	65.1	97.7
89	45.3	36.4	54.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.274 ug/l

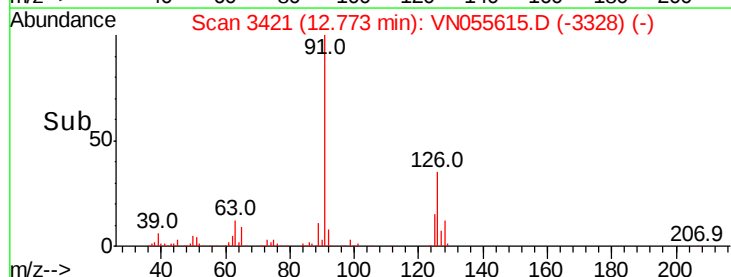
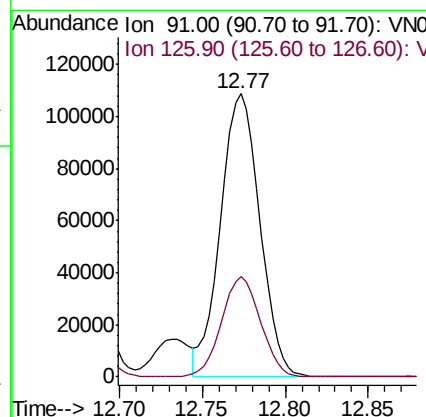
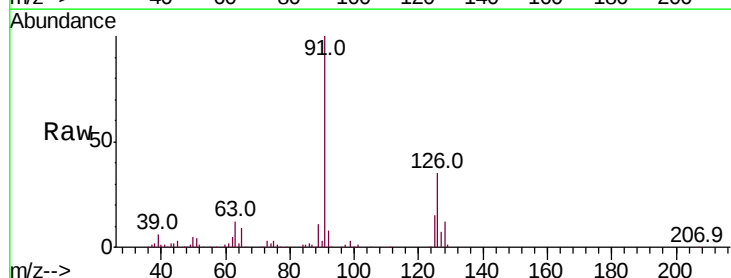
RT: 12.77 min Scan# 3421

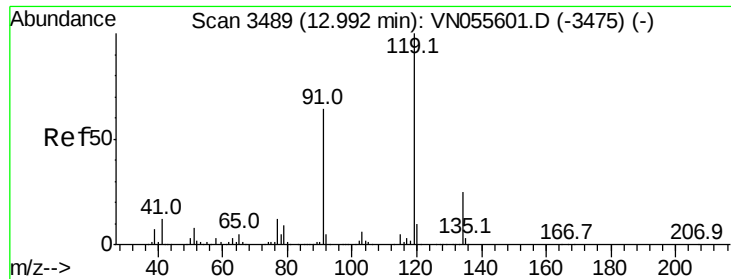
Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Tgt Ion:	91	Resp:	178805
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.5	52.6





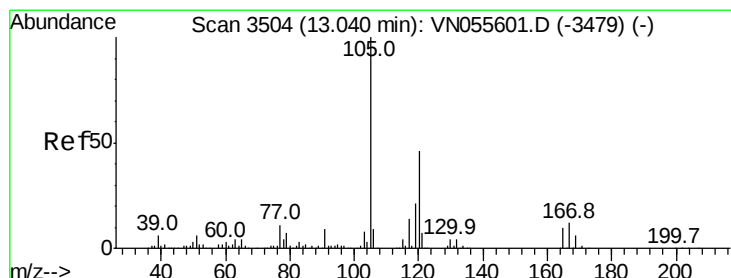
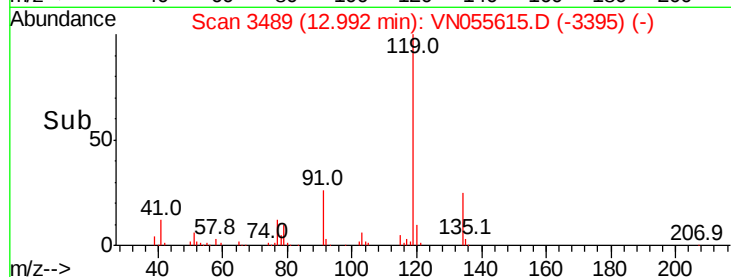
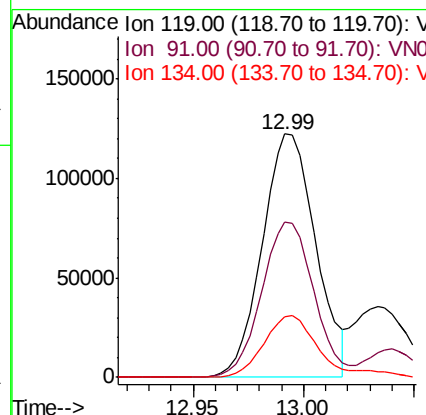
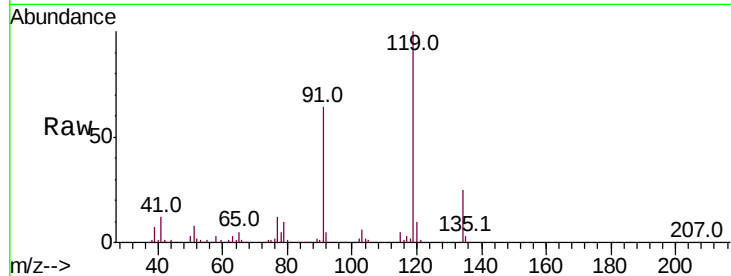
#83
tert-Butylbenzene
Concen: 19.885 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	205065		
91	62.2	31.3	93.8	
134	26.4	13.2	39.6	

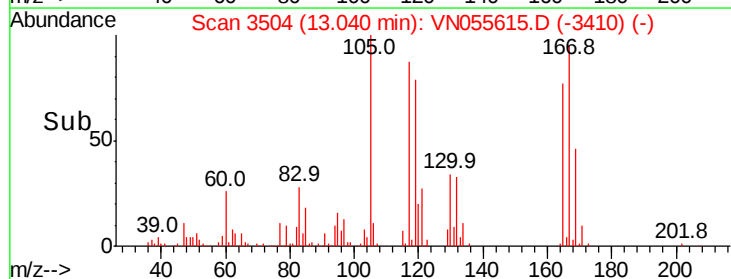
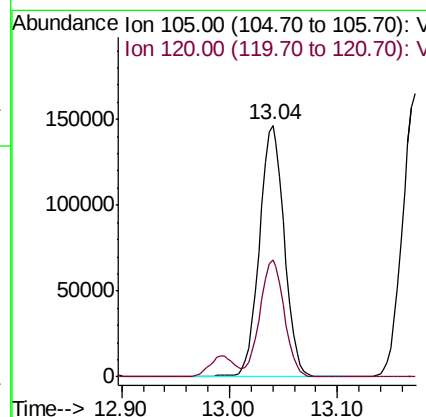
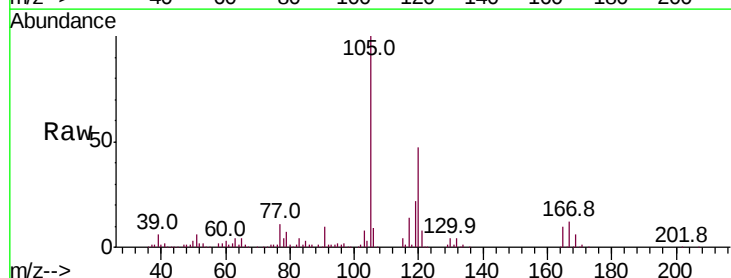
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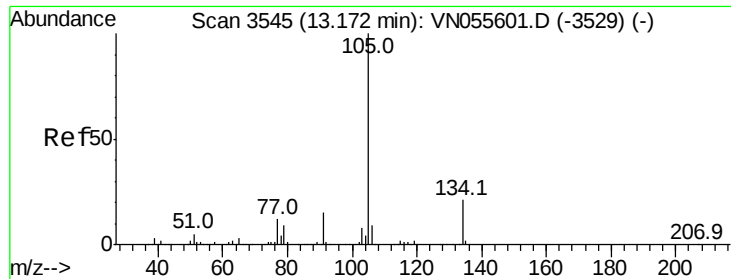
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#84
1,2,4-Trimethylbenzene
Concen: 19.819 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	233633		
120	45.8	23.1	69.2	





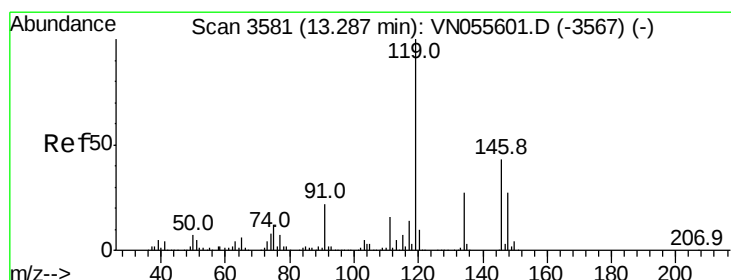
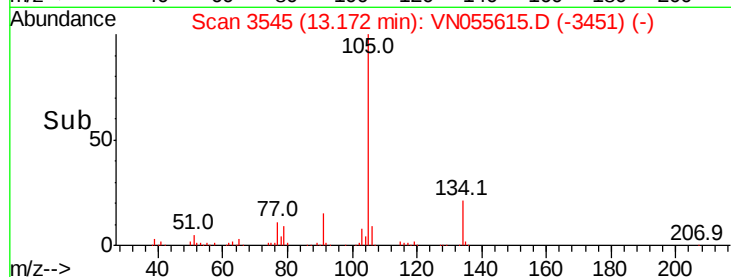
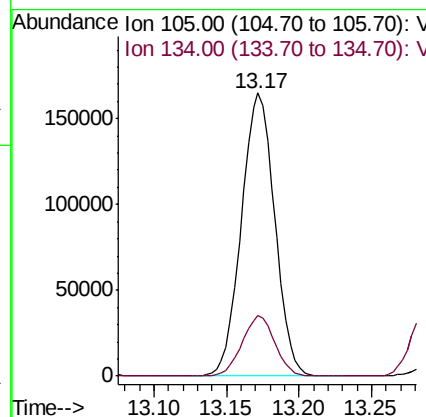
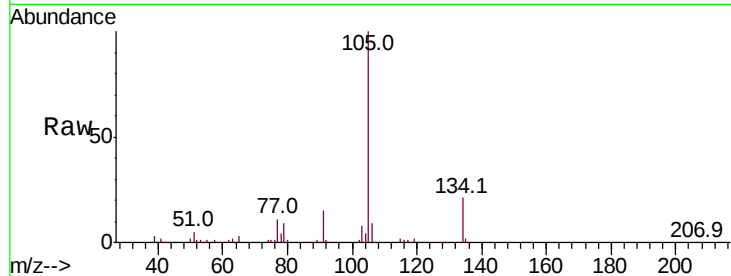
#85
 sec-Butylbenzene
 Concen: 19.774 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.3	30.9

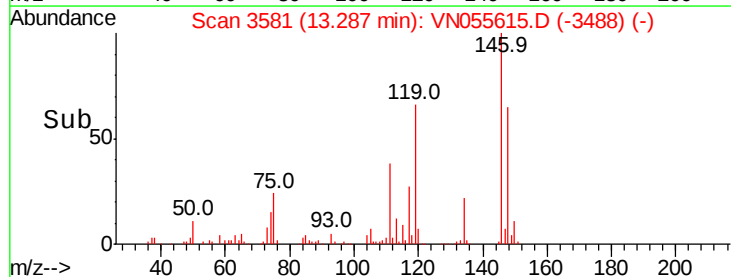
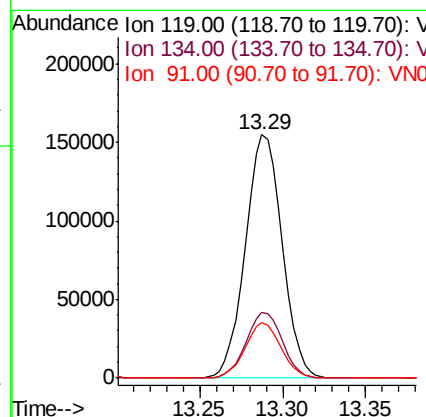
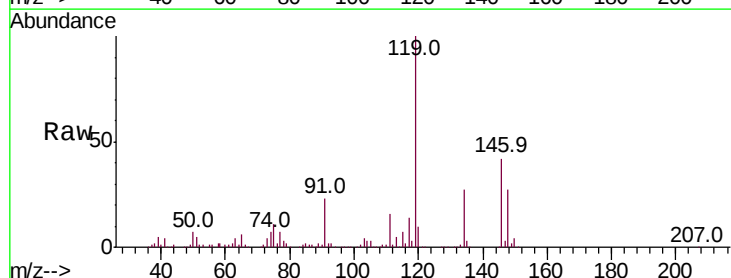
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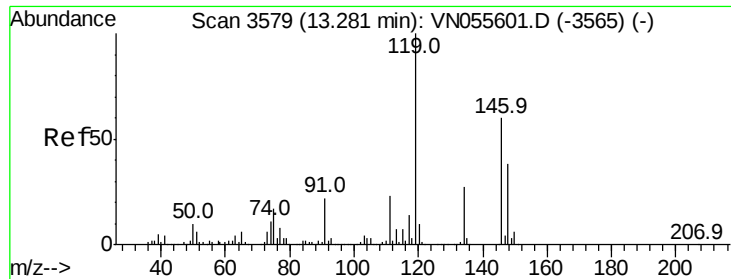
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#86
 p-Isopropyltoluene
 Concen: 19.421 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.4	40.2
91	22.5	11.0	33.0





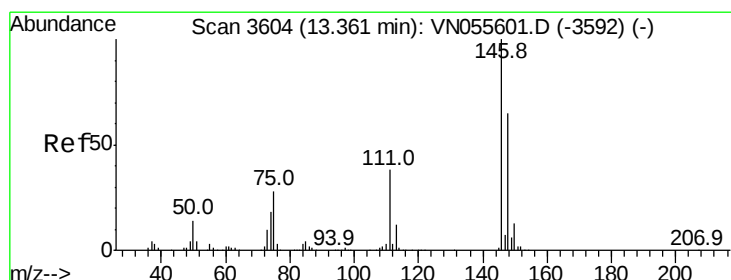
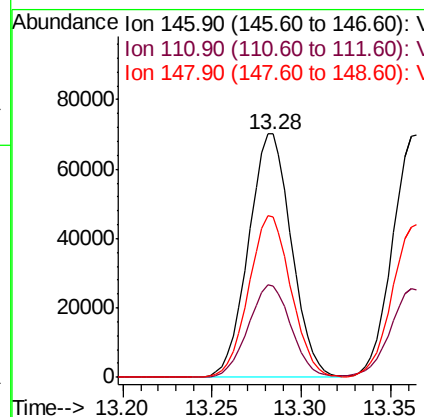
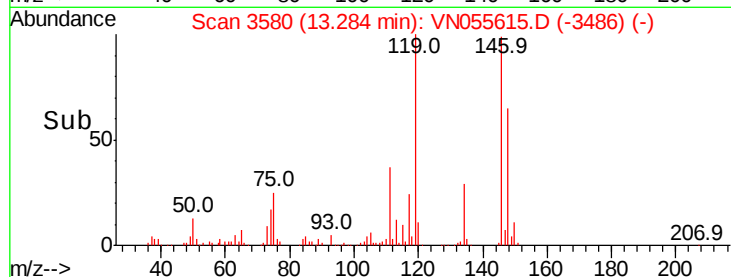
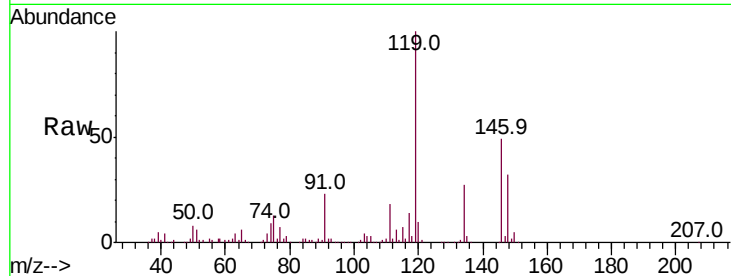
#87
 1,3-Dichlorobenzene
 Concen: 18.622 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	118252		
111	37.7	18.9	56.9	
148	65.3	31.9	95.9	

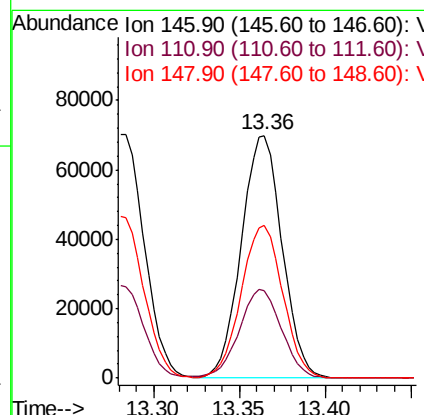
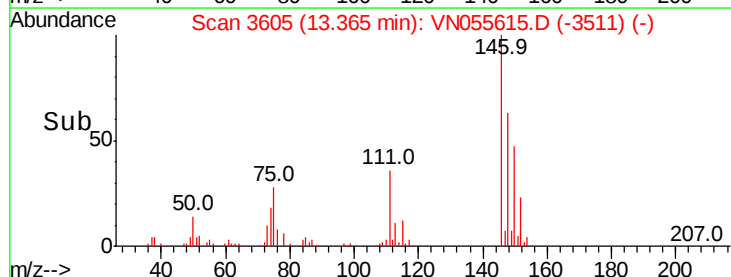
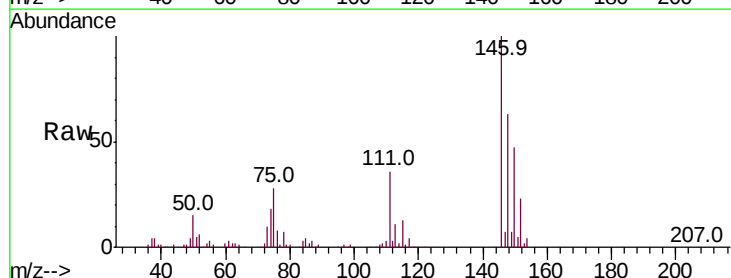
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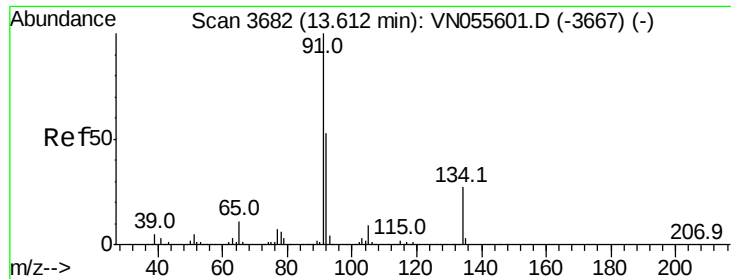
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#88
 1,4-Dichlorobenzene
 Concen: 18.986 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	115111		
111	38.0	18.8	56.4	
148	64.2	32.4	97.0	





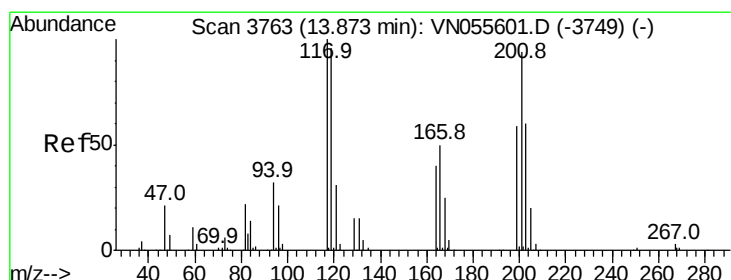
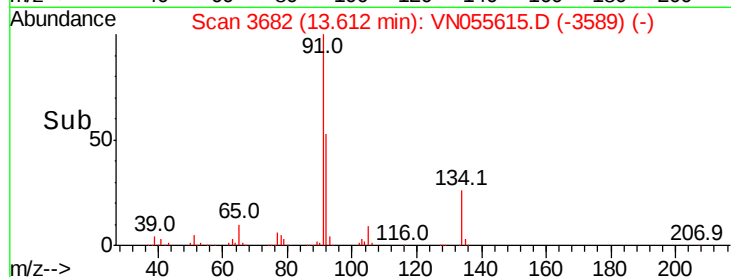
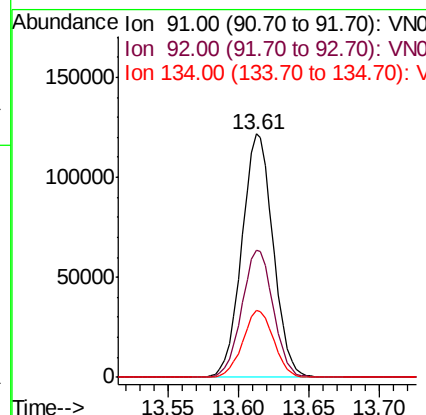
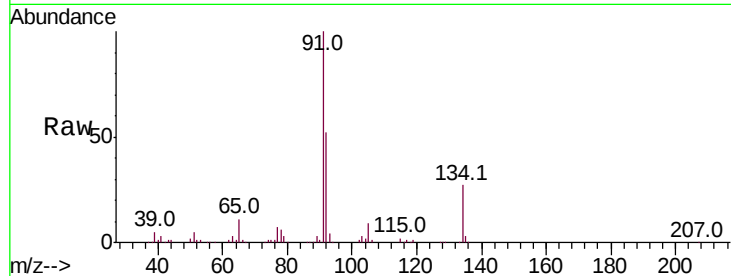
#89
n-Butylbenzene
Concen: 18.414 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.6	26.4	79.0	
134	27.3	13.7	41.1	

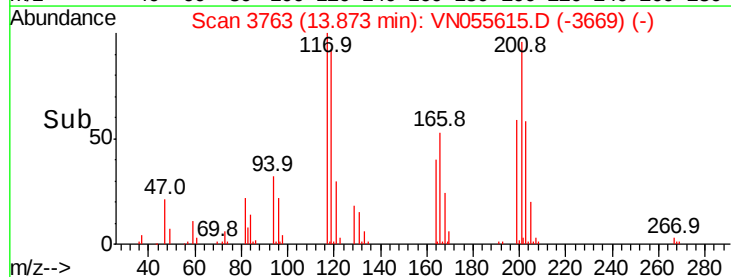
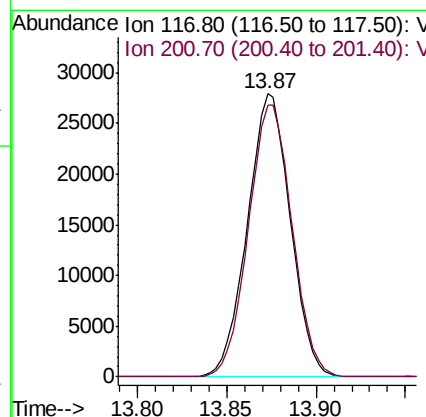
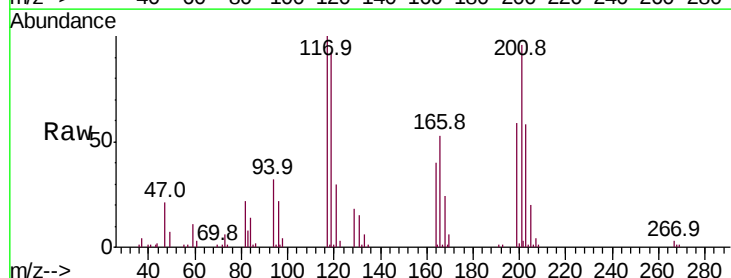
Manual Integrations
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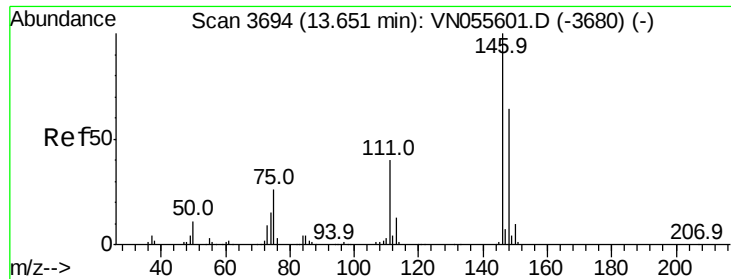
MMDadoda
5/20/2019 9:08:50 AM



#90
Hexachloroethane
Concen: 19.838 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	97.5	47.1	141.3	





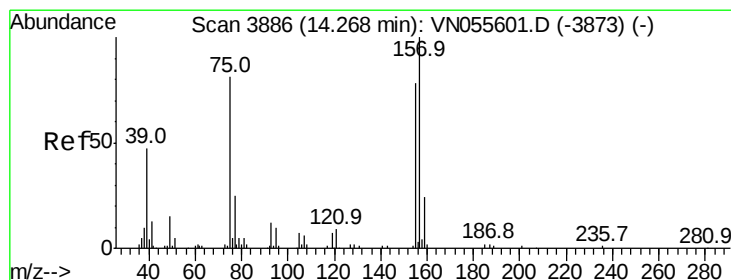
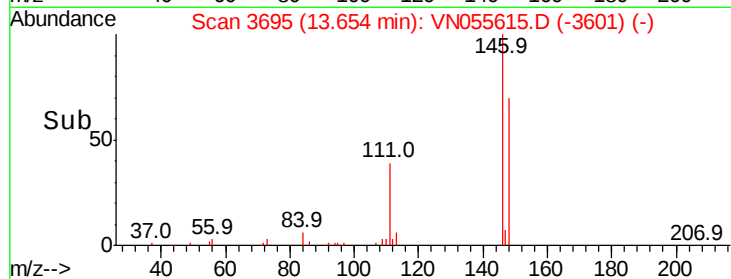
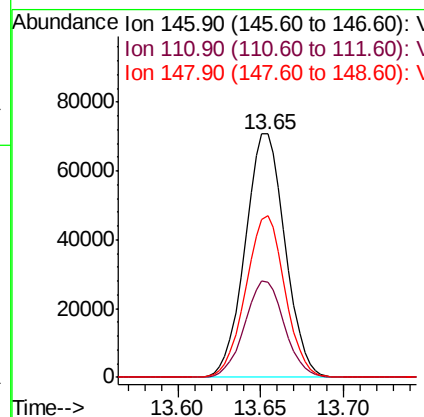
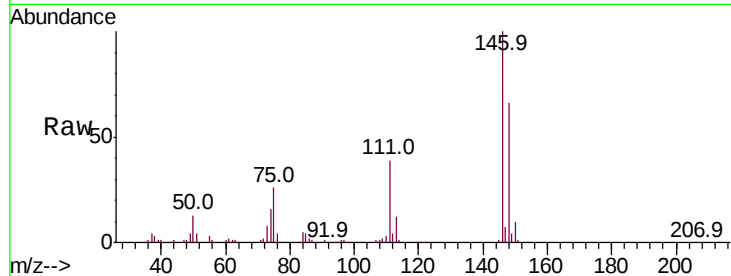
#91
 1,2-Dichlorobenzene
 Concen: 18.697 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	64.9	32.1	96.3

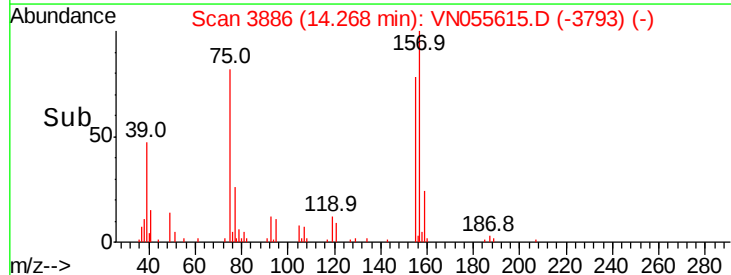
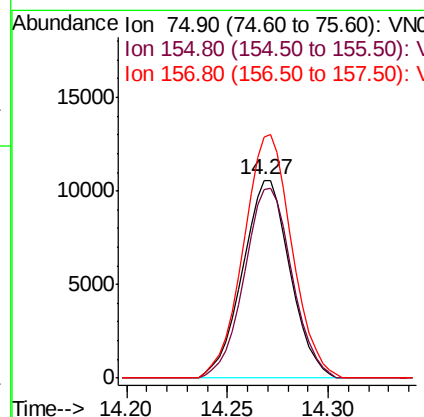
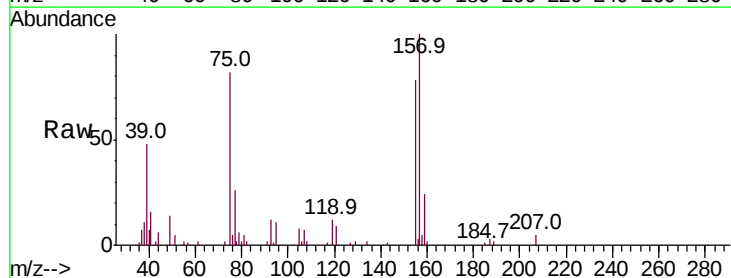
Manual Integrations
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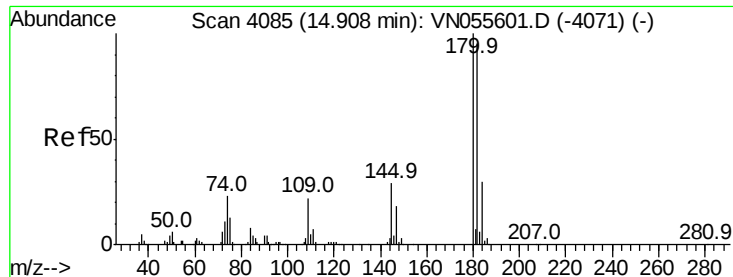
MMDadoda
 5/20/2019 9:08:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.584 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.2	48.4	145.0
157	125.0	62.3	186.8





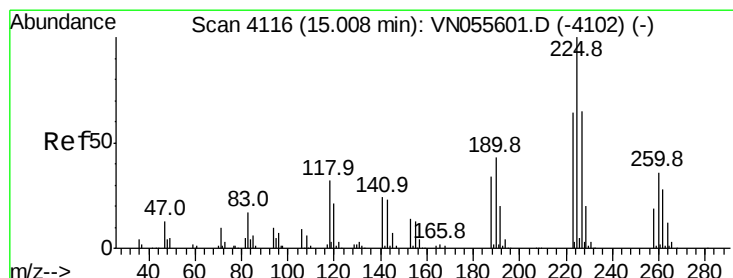
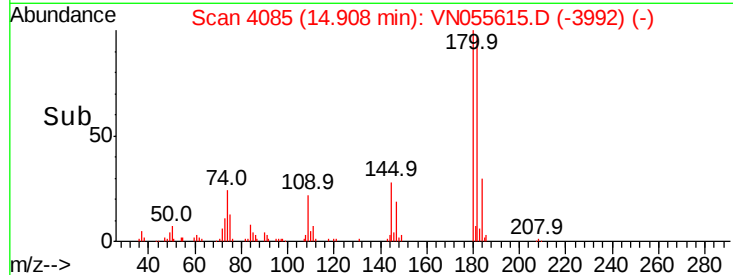
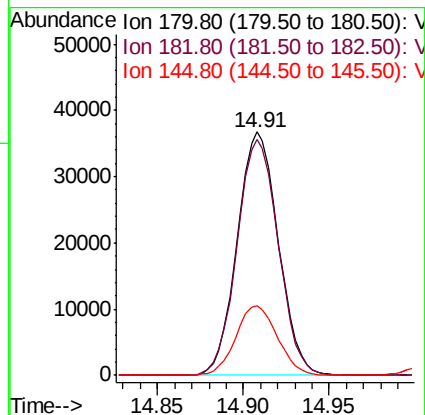
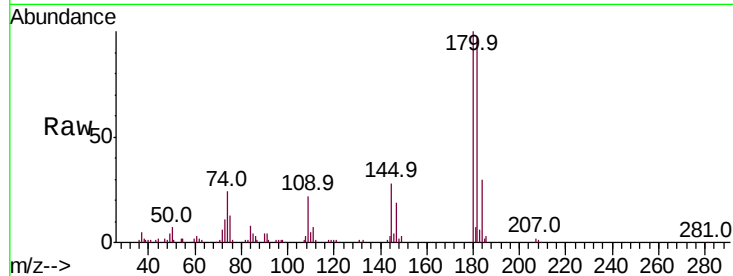
#93
 1,2,4-Trichlorobenzene
 Concen: 18.965 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBS01

Tot Ion:	180	Resp:	61107
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.9	143.6
145	29.0	14.3	42.9

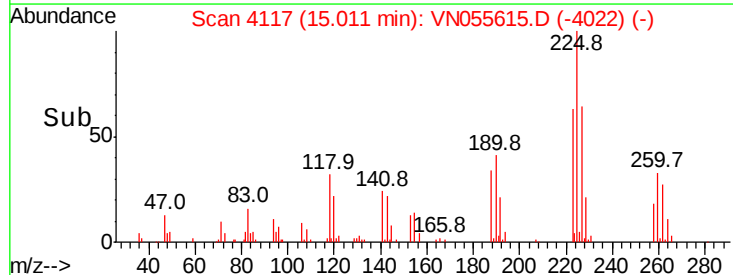
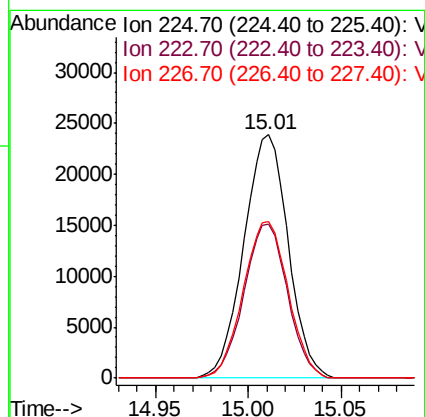
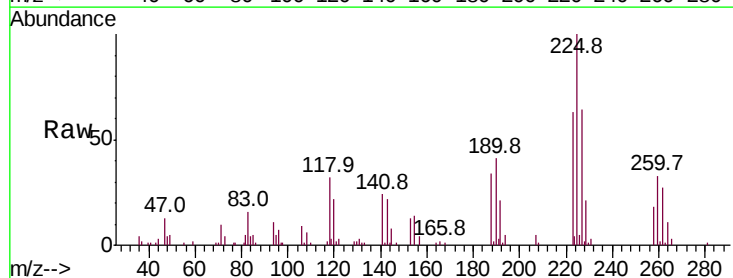
Manual Integrations
 APPROVED

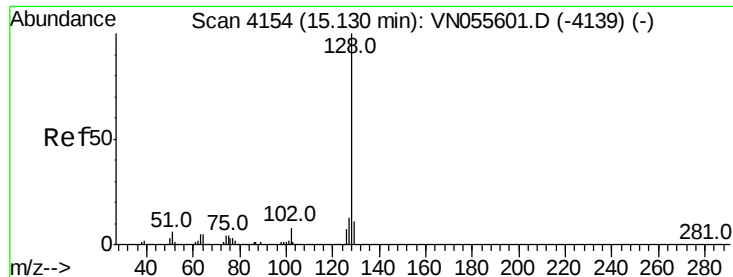
MMDadoda
 5/20/2019 9:08:50 AM



#94
 Hexachlorobutadiene
 Concen: 18.654 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Tgt Ion:	225	Resp:	39830
Ion Ratio	Lower	Upper	
225	100		
223	62.3	31.6	94.7
227	65.0	32.4	97.0





#95

Naphthalene

Concen: 18.721 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

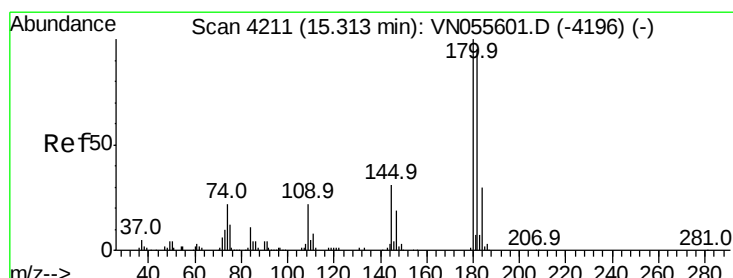
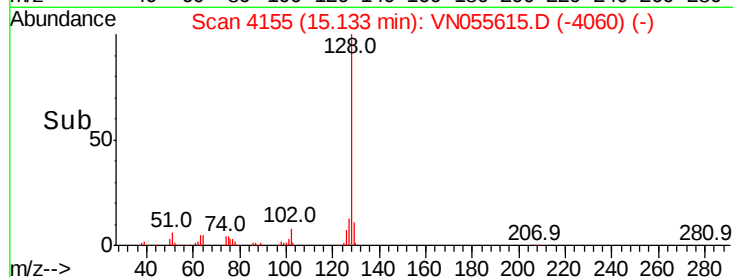
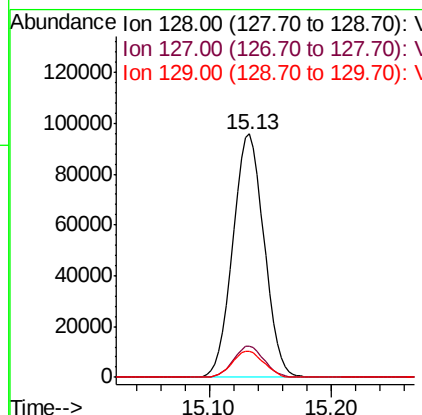
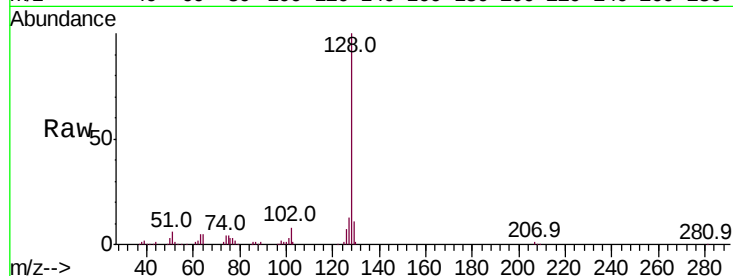
ClientSampleId :

VN0517WBS01

Tot Ion:	128	Resp:	170923
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	10.9	8.6	12.8

Manual Integrations
APPROVED

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5/20/2019 9:08:50 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.369 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Tgt Ion:	180	Resp:	65253
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.9	143.6
145	30.1	15.4	46.1

