

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056117.D
 Acq On : 7 Jun 2019 23:06
 Operator : JC/SP
 Sample : VN0608WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS03

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:26:33 AM

Quant Time: Jun 08 07:01:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	291477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	436968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	385985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154236	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	146698	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	7.59	113	131093	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	10.09	98	497815	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.40	95	159819	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	62903	19.859	ug/l	97
3) Chloromethane	2.06	50	68567	21.701	ug/l	98
4) Vinyl Chloride	2.18	62	66912	21.112	ug/l	99
5) Bromomethane	2.55	94	42448	21.202	ug/l	98
6) Chloroethane	2.69	64	37936	20.644	ug/l	97
7) Trichlorofluoromethane	3.01	101	81228	20.076	ug/l	99
8) Diethyl Ether	3.40	74	33754	20.286	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	50614	20.593	ug/l	100
10) Methyl Iodide	3.94	142	72689	18.610	ug/l	99
11) Tert butyl alcohol	4.82	59	49017	97.325	ug/l	99
12) 1,1-Dichloroethene	3.72	96	49426	20.199	ug/l	98
13) Acrolein	3.60	56	10893	74.993	ug/l	99
14) Allyl chloride	4.31	41	74198	19.203	ug/l	99
15) Acrylonitrile	4.99	53	141403	115.337	ug/l	99
16) Acetone	3.82	43	118478	85.595	ug/l	100
17) Carbon Disulfide	4.04	76	97737	16.682	ug/l	99
18) Methyl Acetate	4.33	43	65923	23.945	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	162830	20.877	ug/l	99
20) Methylene Chloride	4.54	84	60882	21.349	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	52921	20.185	ug/l	96
22) Diisopropyl ether	5.95	45	168169	21.055	ug/l	98
23) Vinyl Acetate	5.90	43	647957	103.017	ug/l	100
24) 1,1-Dichloroethane	5.84	63	96049	20.848	ug/l	100
25) 2-Butanone	6.84	43	182873	104.567	ug/l	99
26) 2,2-Dichloropropane	6.82	77	51153	14.229	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	63380	20.566	ug/l	96
28) Bromochloromethane	7.19	49	45837	21.038	ug/l	99
29) Tetrahydrofuran	7.22	42	122347	113.176	ug/l	99
30) Chloroform	7.37	83	97994	21.143	ug/l	99
31) Cyclohexane	7.65	56	89392	19.465	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	76514	19.770	ug/l	99
36) 1,1-Dichloropropene	7.79	75	69024	18.371	ug/l	99
37) Ethyl Acetate	6.94	43	74993	22.432	ug/l	99
38) Carbon Tetrachloride	7.77	117	64053	18.491	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	83728	17.889	ug/l	99
40) Benzene	8.04	78	228083	19.987	ug/l	99
41) Methacrylonitrile	7.18	41	33258	21.622	ug/l	95
42) 1,2-Dichloroethane	8.12	62	73082	19.909	ug/l	100
43) Isopropyl Acetate	8.17	43	109096	20.138	ug/l	94
44) Trichloroethene	8.83	130	63226	19.281	ug/l	100
45) 1,2-Dichloropropane	9.12	63	60484	20.692	ug/l	96
46) Dibromomethane	9.21	93	39240	20.529	ug/l	100
47) Bromodichloromethane	9.40	83	65414	18.882	ug/l	96
48) Methyl methacrylate	9.20	41	55653	20.998	ug/l	96
49) 1,4-Dioxane	9.21	88	24673	431.213	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	364548	107.607	ug/l	99
52) Toluene	10.16	92	143057	20.146	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	61884	16.903	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	76190	18.296	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	57593	20.475	ug/l	99
56) Ethyl methacrylate	10.43	69	83007	20.228	ug/l	97
57) 1,3-Dichloropropane	10.71	76	94557	20.679	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	146421	99.512	ug/l	99
59) 2-Hexanone	10.75	43	252526	102.846	ug/l	99
60) Dibromochloromethane	10.90	129	50450	17.916	ug/l	99
61) 1,2-Dibromoethane	11.00	107	58400	20.309	ug/l	96
64) Tetrachloroethene	10.63	164	66347	19.858	ug/l	98
65) Chlorobenzene	11.43	112	171297	22.299	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	52252	19.699	ug/l	98
67) Ethyl Benzene	11.51	91	262127	19.624	ug/l	99
68) m/p-Xylenes	11.62	106	197826	38.769	ug/l	99
69) o-Xylene	11.95	106	99029	19.729	ug/l	99
70) Styrene	11.96	104	157504	19.750	ug/l	99
71) Bromoform	12.13	173	33840	17.105	ug/l #	99
73) Isopropylbenzene	12.25	105	258112	22.129	ug/l	100
74) N-amyl acetate	12.07	43	87132	21.193	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	80261	22.416	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	65620m	23.122	ug/l	
77) Bromobenzene	12.53	156	69405	21.018	ug/l	93
78) n-propylbenzene	12.59	91	262150	20.091	ug/l	99
79) 2-Chlorotoluene	12.67	91	167621	21.853	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	209930	20.244	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	13107	15.380	ug/l #	77
82) 4-Chlorotoluene	12.77	91	153322	20.085	ug/l	100
83) tert-Butylbenzene	12.99	119	190698	22.183	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	203866	20.731	ug/l	99
85) sec-Butylbenzene	13.17	105	236027	20.426	ug/l	99
86) p-Isopropyltoluene	13.29	119	206346	19.953	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	100851	19.733	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	96997	19.729	ug/l	100
89) n-Butylbenzene	13.61	91	137280	17.919	ug/l	99
90) Hexachloroethane	13.88	117	29007	18.599	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	108997	21.124	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10482	20.468	ug/l	97

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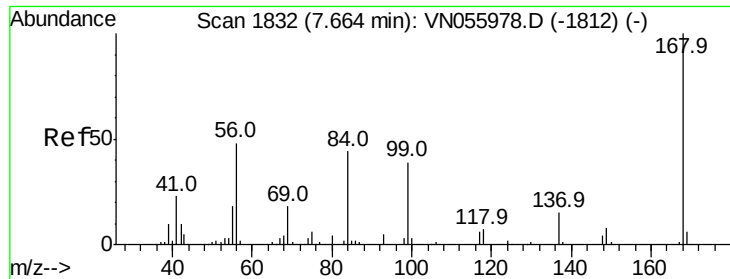
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	38108	16.527	ug/l	98
94) Hexachlorobutadiene	15.01	225	37581	19.984	ug/l	98
95) Naphthalene	15.13	128	106321	17.153	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44864	17.575	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS03

Tot Ion:168 Resp: 291477

Ion Ratio Lower Upper

168 100

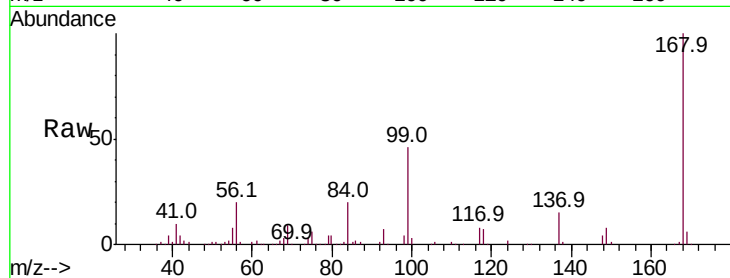
99 44.8 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

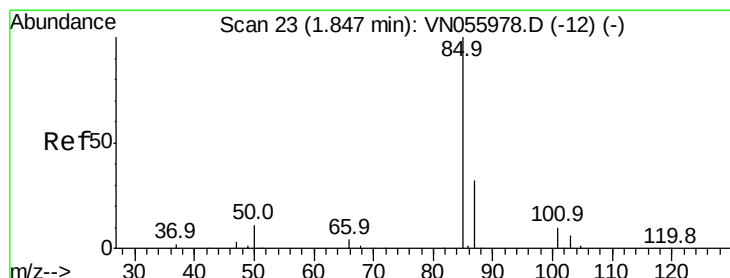
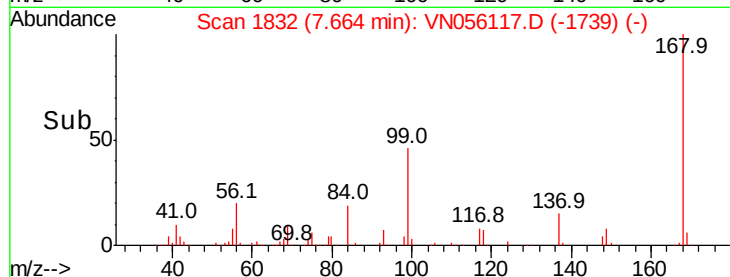
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.859 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056117.D

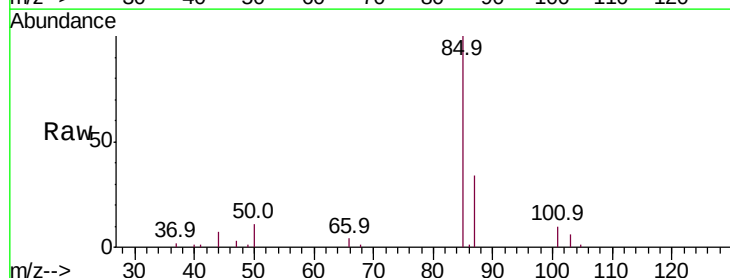
Acq: 7 Jun 2019 23:06

Tgt Ion: 85 Resp: 62903

Ion Ratio Lower Upper

85 100

87 34.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

40000

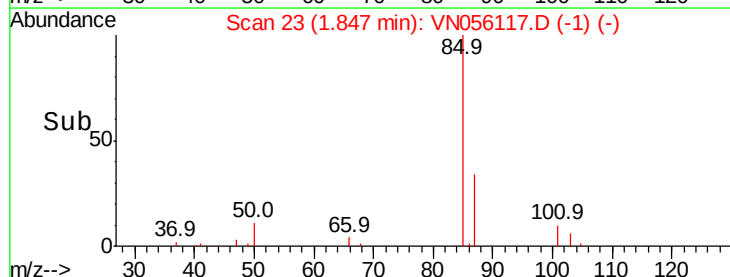
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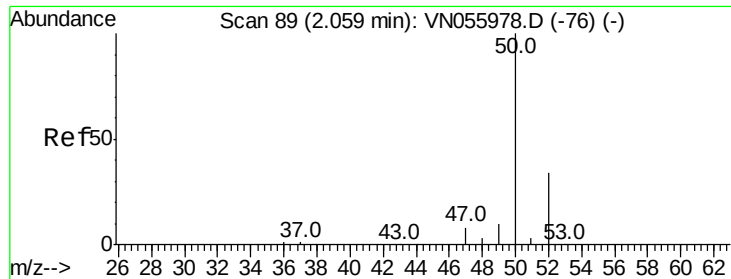
20000

10000

0

Time-->





#3

Chloromethane

Concen: 21.701 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

VN0608WBS03

Tot Ion: 50 Resp: 68567

Ion Ratio Lower Upper

50 100

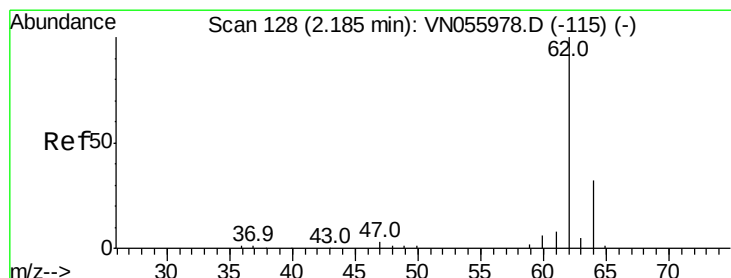
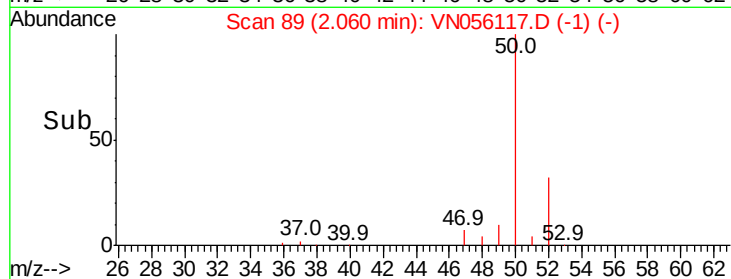
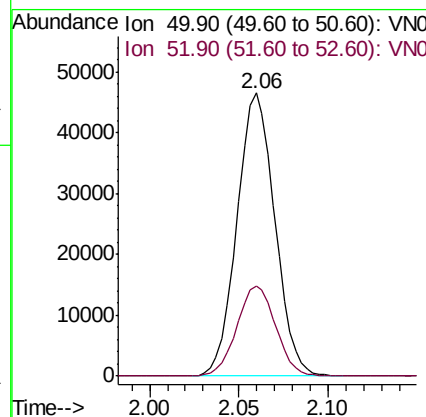
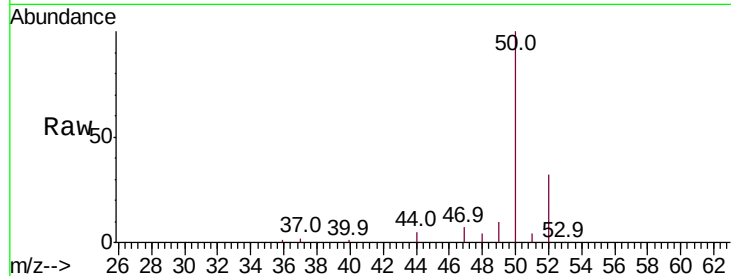
52 32.0 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.112 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056117.D

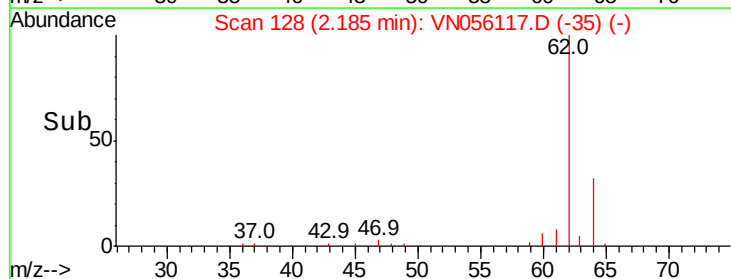
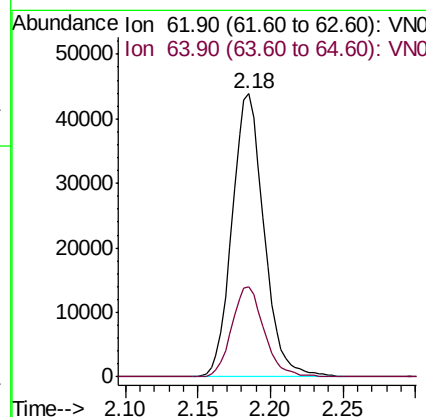
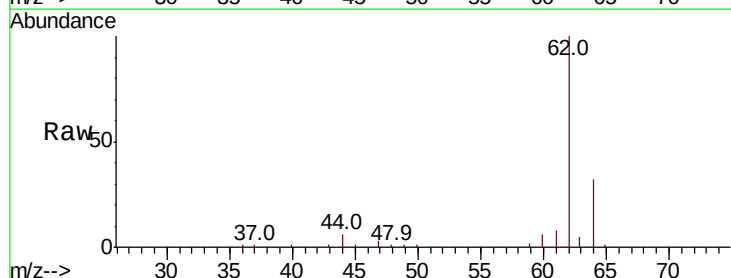
Acq: 7 Jun 2019 23:06

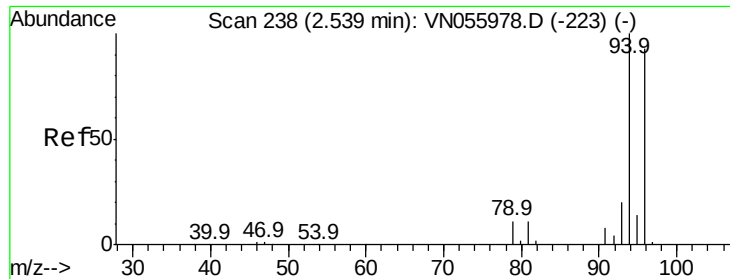
Tgt Ion: 62 Resp: 66912

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 21.202 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS03

Tot Ion: 94 Resp: 42448

Ion Ratio Lower Upper

94 100

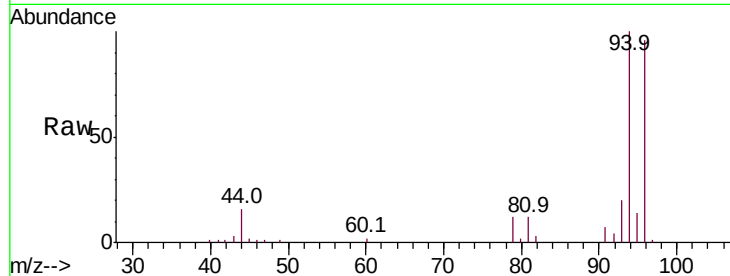
96 96.3 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

20000

15000

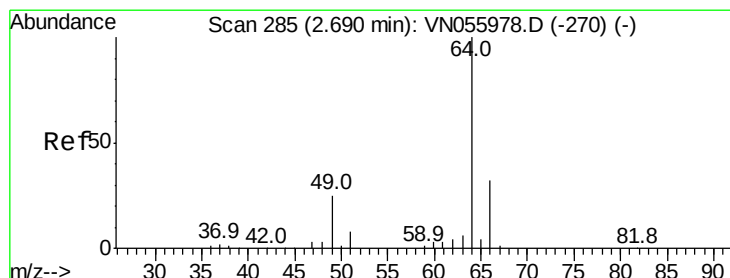
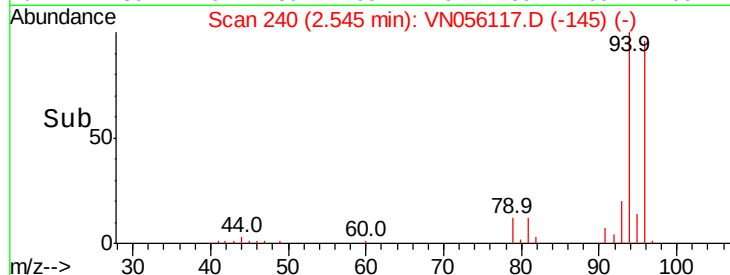
10000

5000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 20.644 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN056117.D

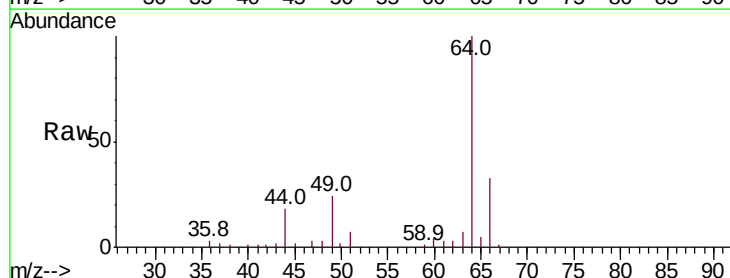
Acq: 7 Jun 2019 23:06

Tgt Ion: 64 Resp: 37936

Ion Ratio Lower Upper

64 100

66 33.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

20000

15000

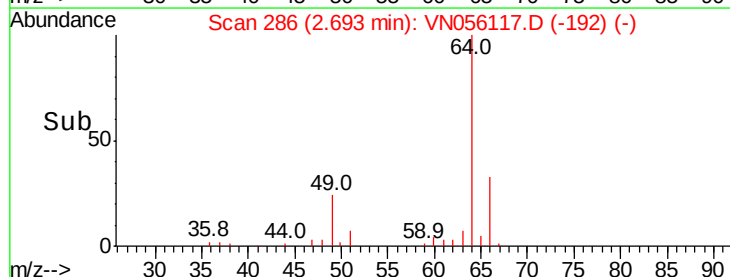
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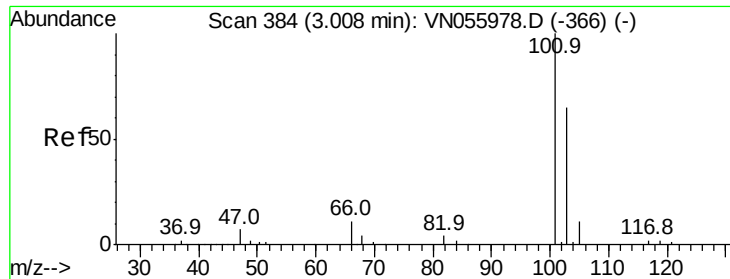
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0

Time-->

2.60 2.65 2.70 2.75 2.80





#7

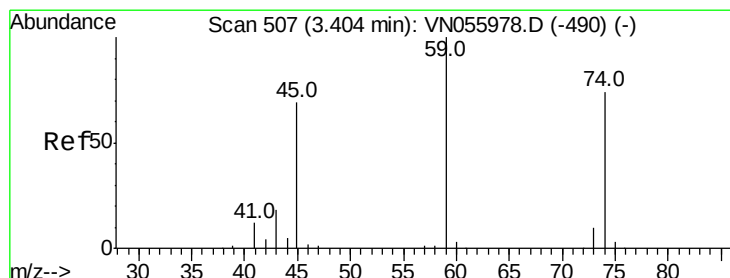
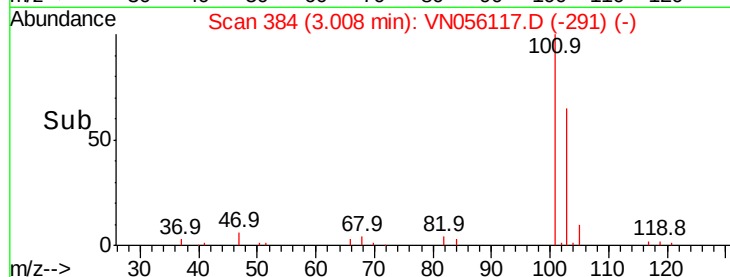
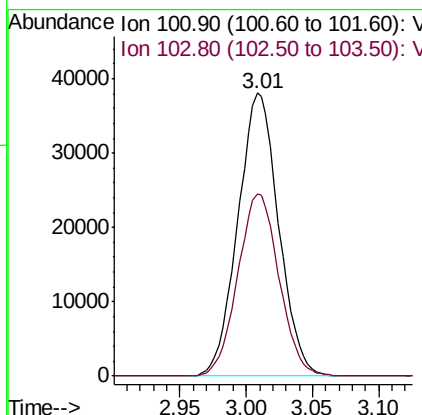
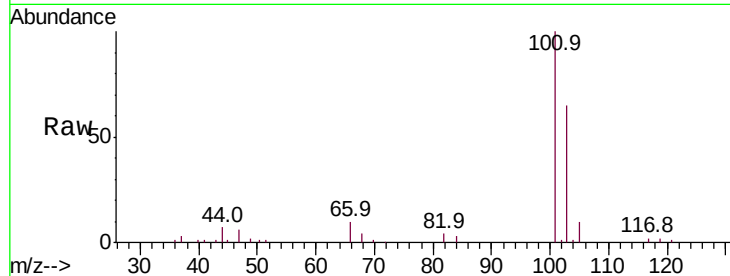
Trichlorofluoromethane
Concen: 20.076 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN056117.D
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ClientSampleId :
VN0608WBS03

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.2	76.8

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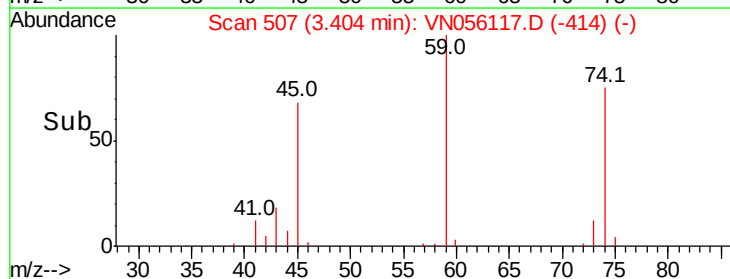
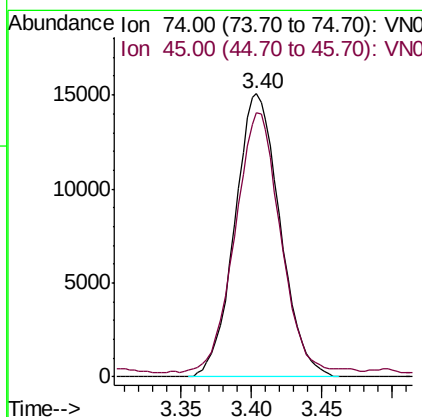
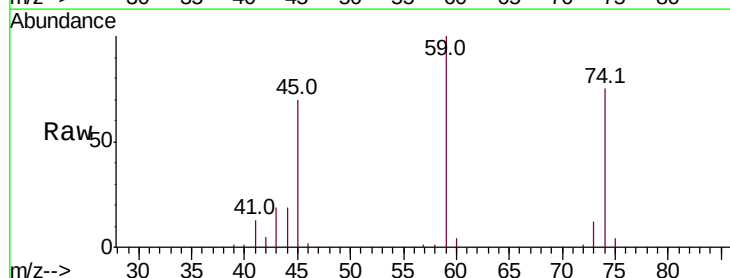
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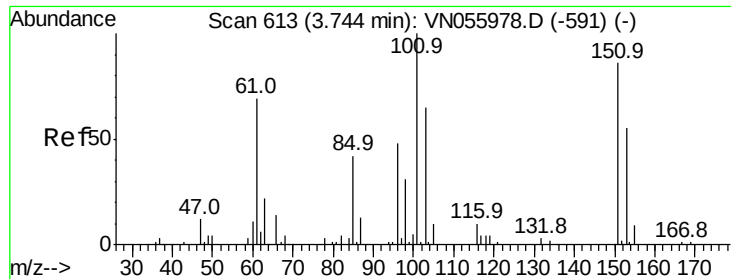


#8

Diethyl Ether
Concen: 20.286 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.5	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.593 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

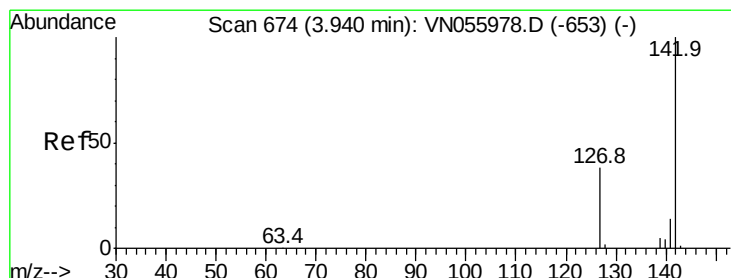
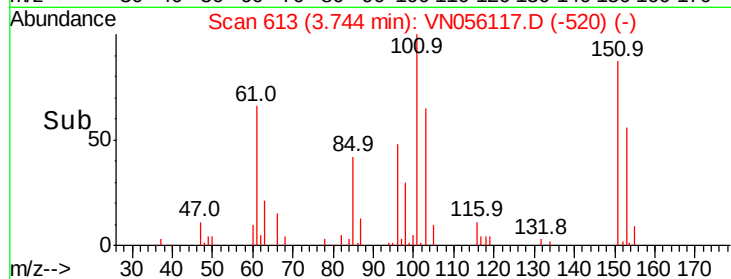
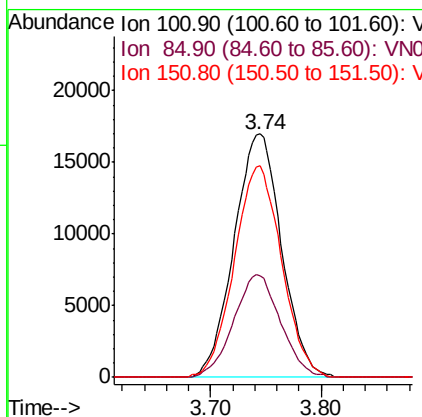
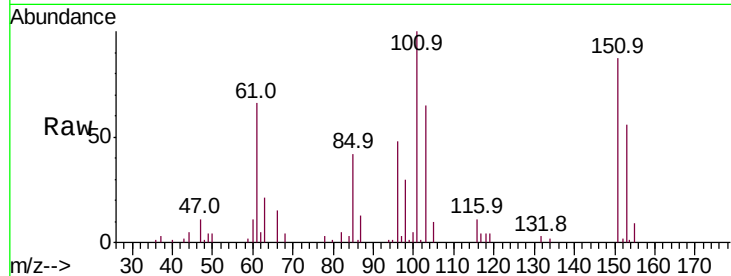
ClientSampleId :

VN0608WBS03

Tot Ion:	101	Resp:	50614
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.4	50.2
151	86.3	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.610 ug/l

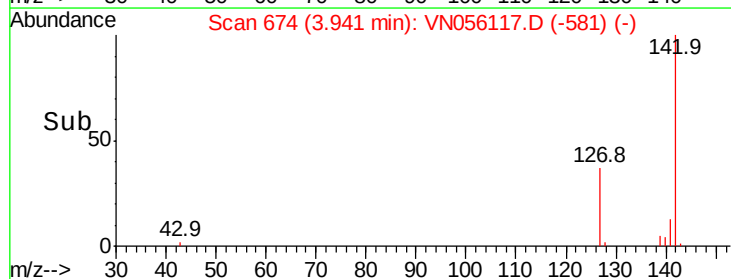
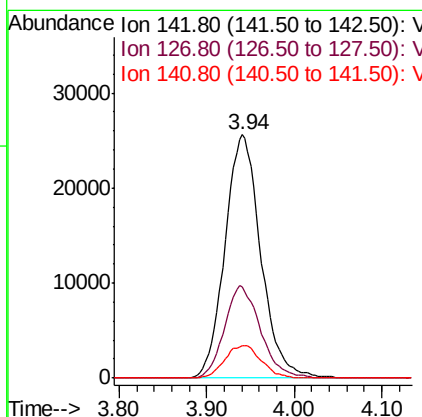
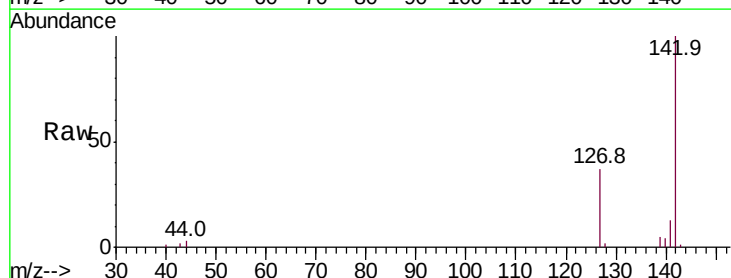
RT: 3.94 min Scan# 674

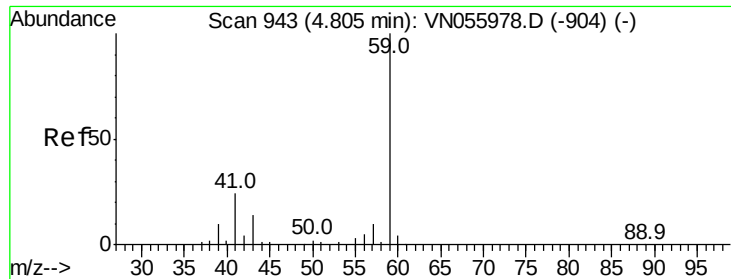
Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Tgt Ion:	142	Resp:	72689
Ion Ratio	Lower	Upper	
142	100		
127	37.9	31.0	46.4
141	13.6	11.4	17.0





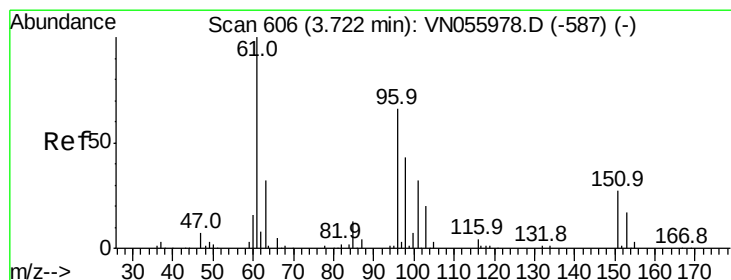
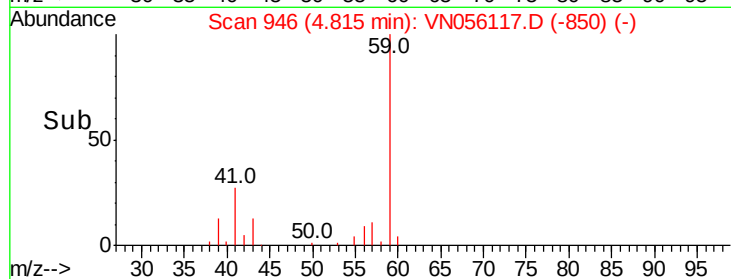
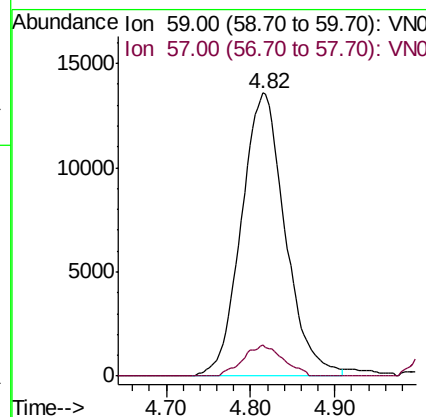
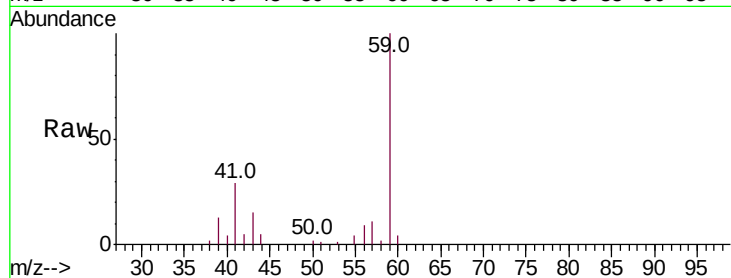
#11
Tert butyl alcohol
Concen: 97.325 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.01 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS03

Tot Ion: 59 Resp: 49017
Ion Ratio Lower Upper
59 100
57 10.0 7.8 11.6

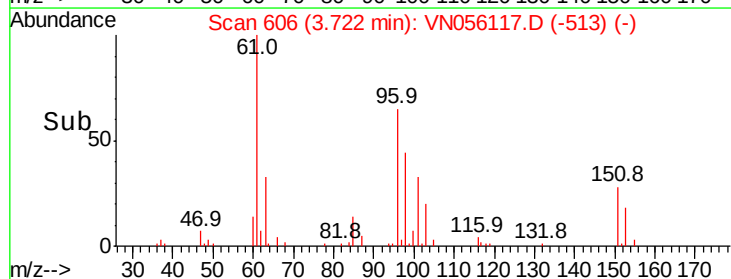
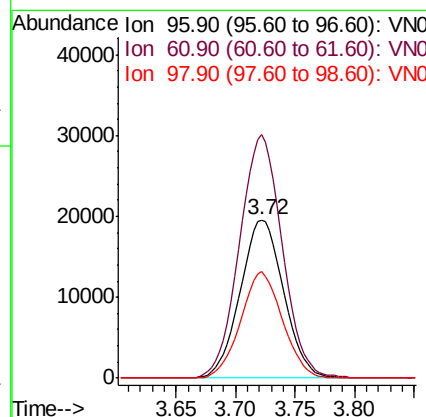
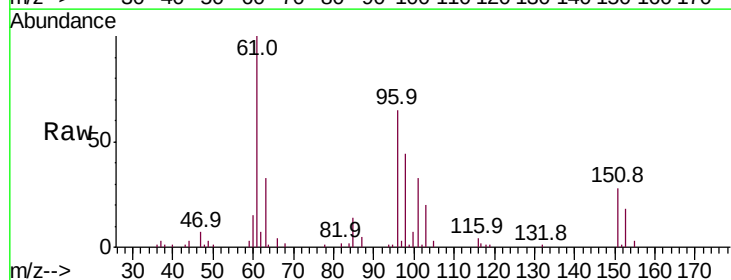
Manual Integrations
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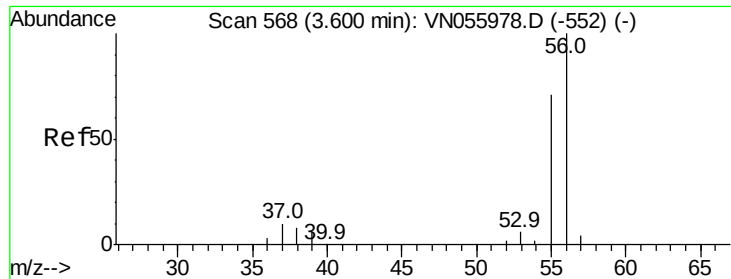
MMDadoda
6/10/2019 11:26:33 AM



#12
1,1-Dichloroethene
Concen: 20.199 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 96 Resp: 49426
Ion Ratio Lower Upper
96 100
61 153.6 123.2 184.8
98 67.0 50.4 75.6





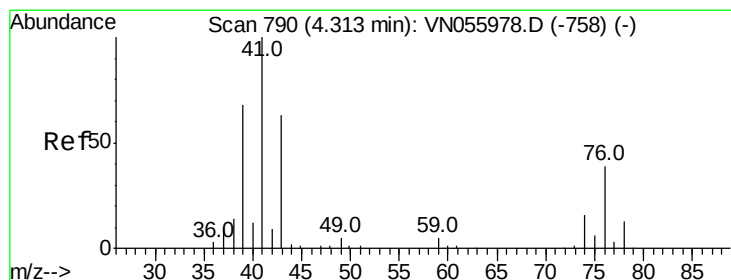
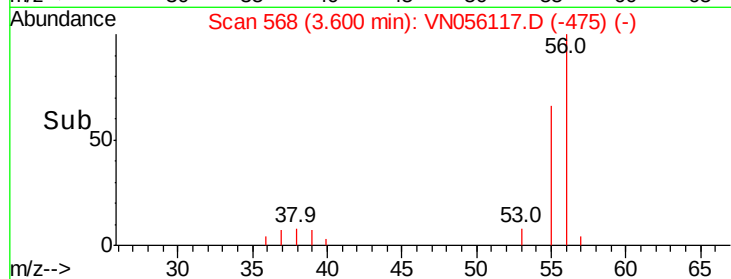
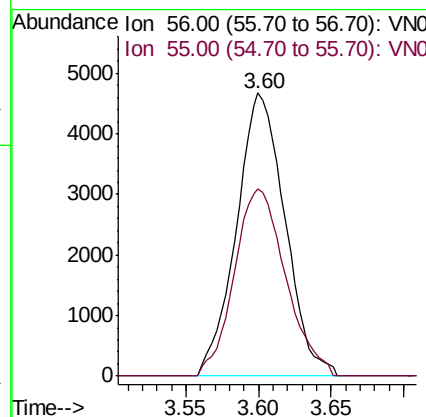
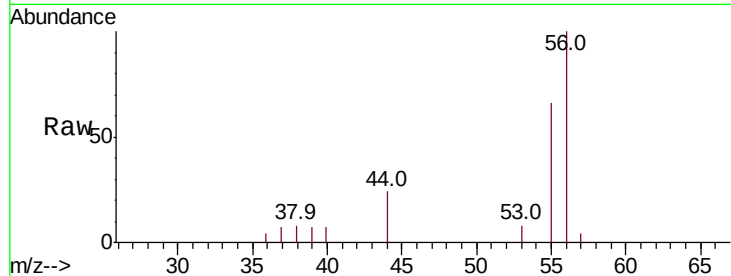
#13
Acrolein
Concen: 74.993 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampled :
VN0608WBS03

Tot Ion: 56 Resp: 10893
Ion Ratio Lower Upper
56 100
55 70.0 55.4 83.2

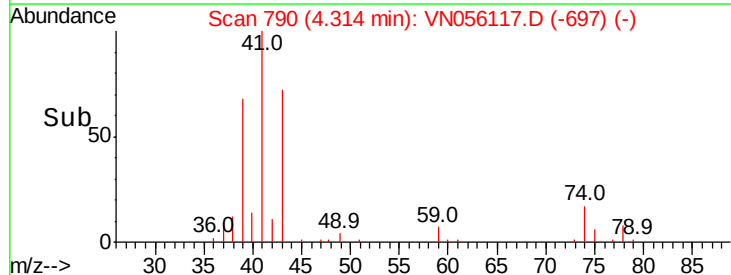
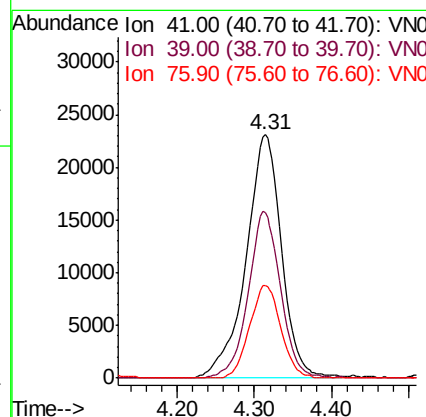
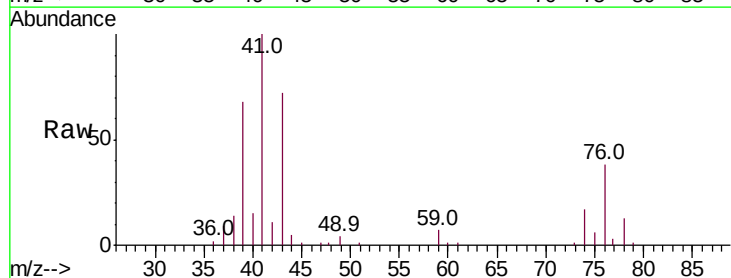
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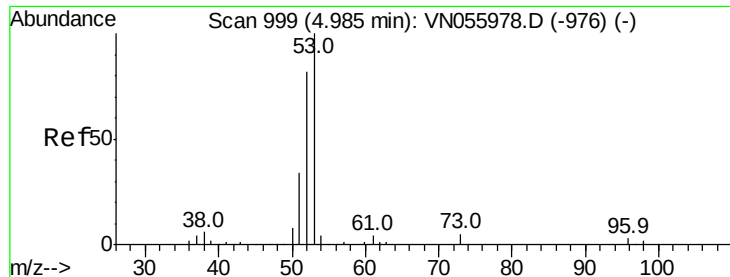
MMDadoda
6/10/2019 11:26:33 AM



#14
Allyl chloride
Concen: 19.203 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 41 Resp: 74198
Ion Ratio Lower Upper
41 100
39 62.2 50.0 75.0
76 33.5 28.2 42.2





#15

Acrylonitrile

Concen: 115.337 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

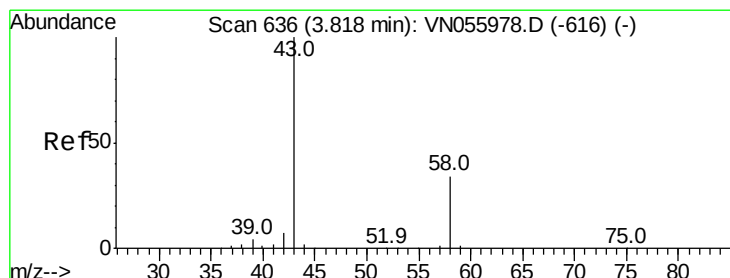
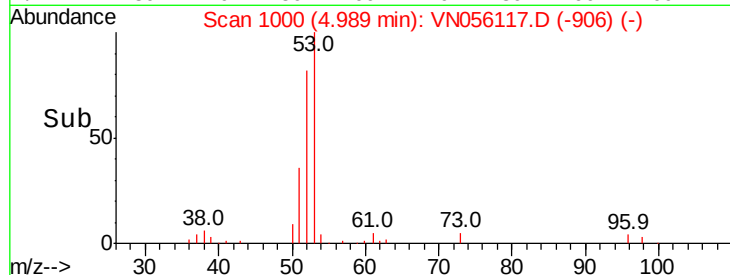
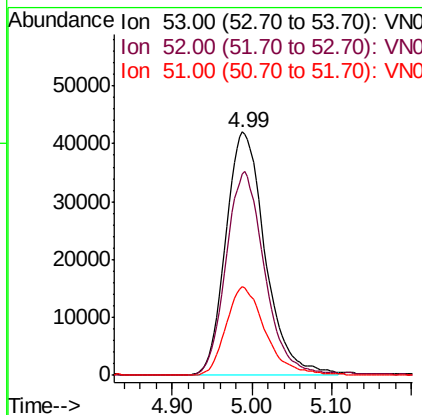
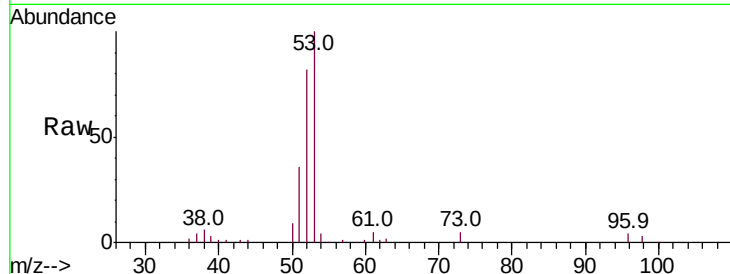
ClientSampleId :

VN0608WBS03

Tot Ion:	53	Resp:	141403
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.8	98.8
51	36.4	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 85.595 ug/l

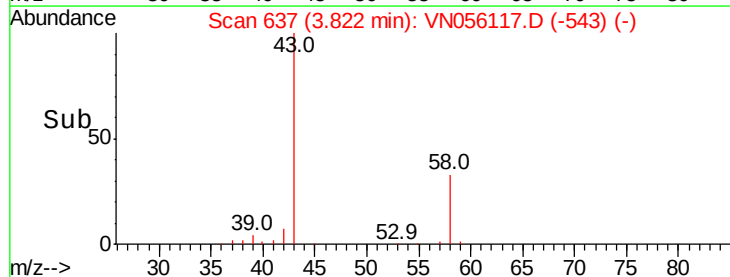
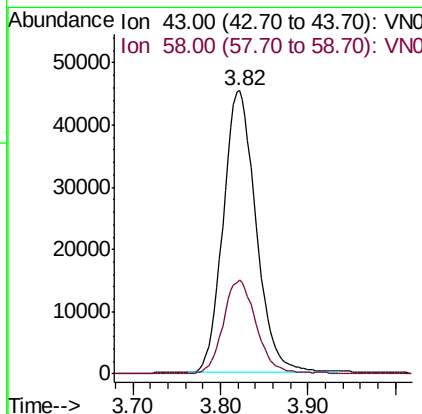
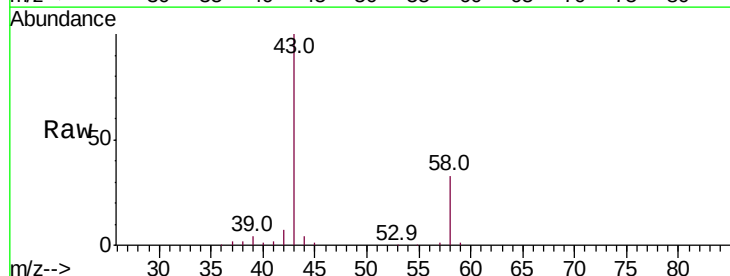
RT: 3.82 min Scan# 637

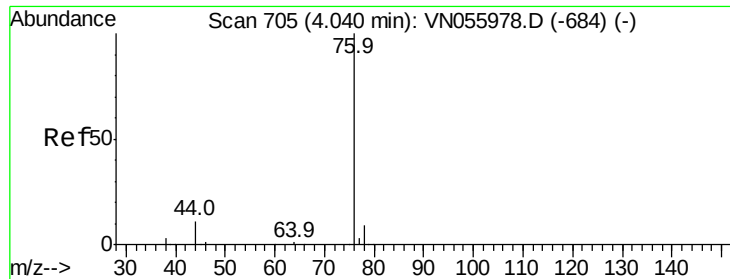
Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Tgt Ion:	43	Resp:	118478
Ion Ratio	Lower	Upper	
43	100		
58	33.2	26.6	39.8





#17

Carbon Disulfide

Concen: 16.682 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS03

Tot Ion: 76 Resp: 97737

Ion Ratio Lower Upper

76 100

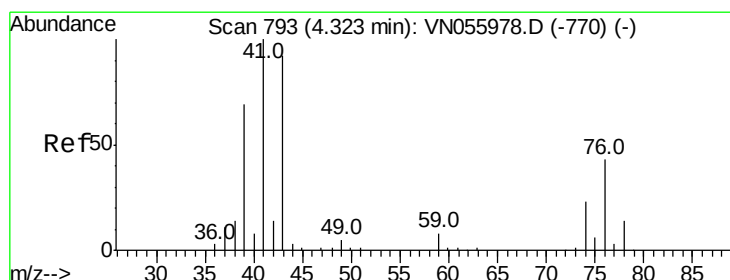
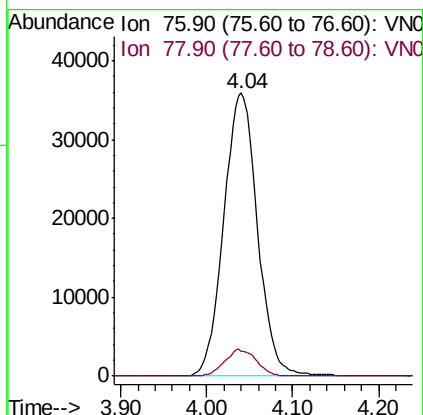
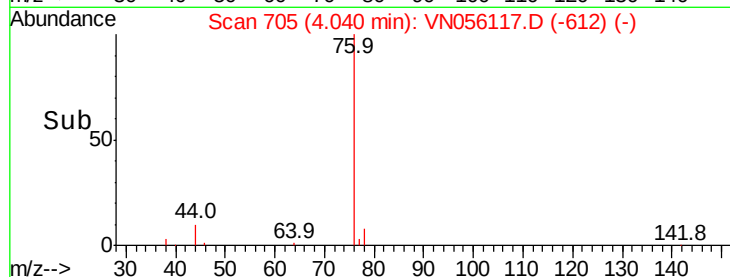
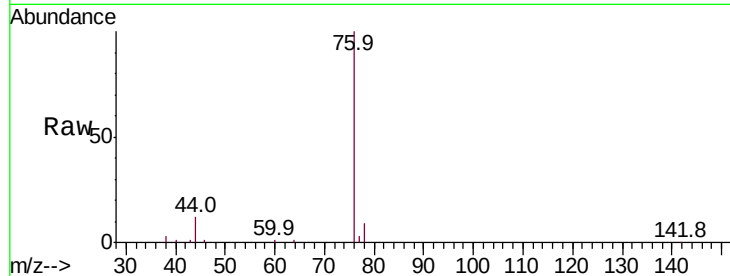
78 9.0 7.4 11.2

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#18

Methyl Acetate

Concen: 23.945 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056117.D

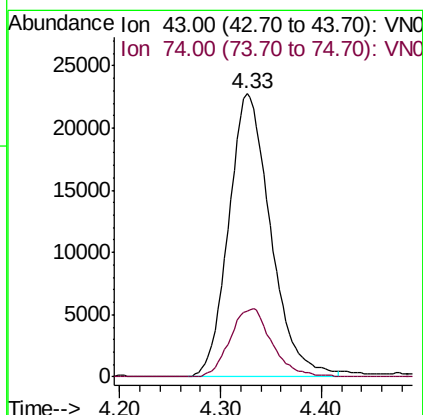
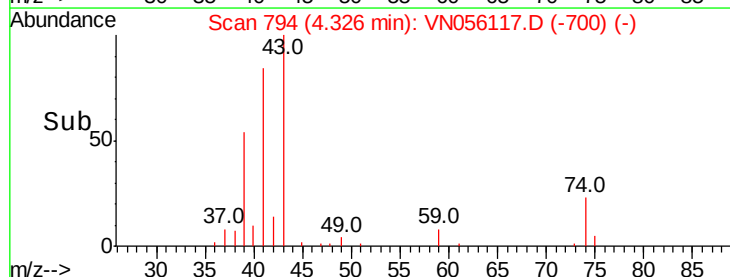
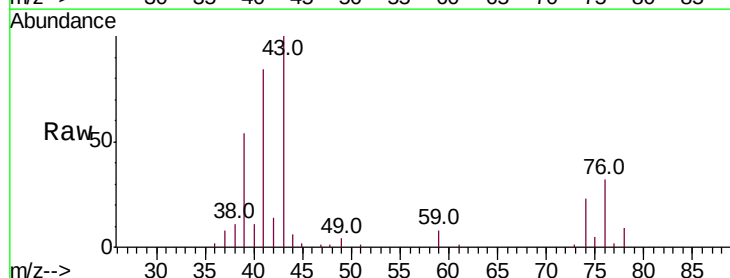
Acq: 7 Jun 2019 23:06

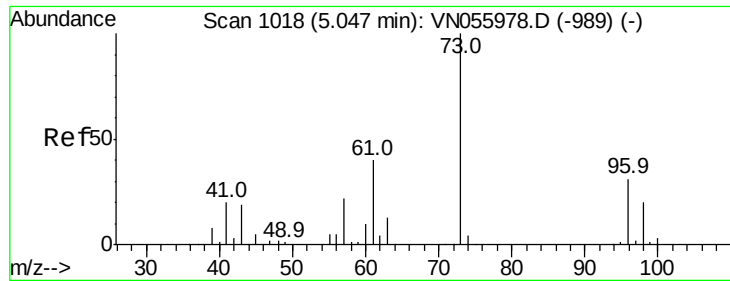
Tgt Ion: 43 Resp: 65923

Ion Ratio Lower Upper

43 100

74 23.7 19.3 28.9





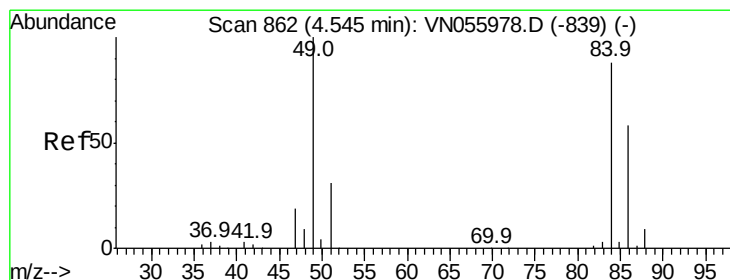
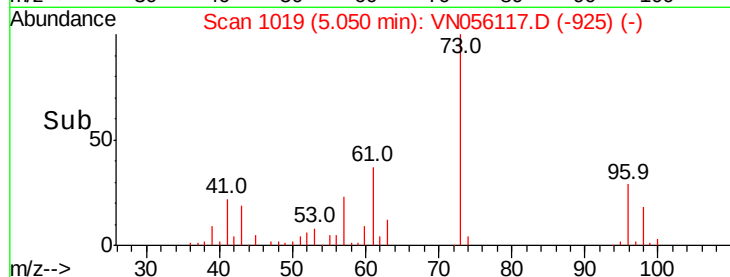
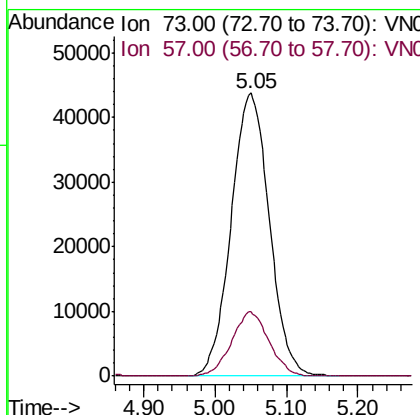
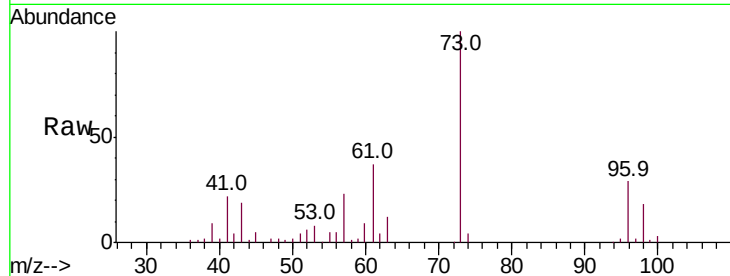
#19
Methyl tert-butyl Ether
Concen: 20.877 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS03

Tot Ion: 73 Resp: 162830
Ion Ratio Lower Upper
73 100
57 23.0 17.8 26.8

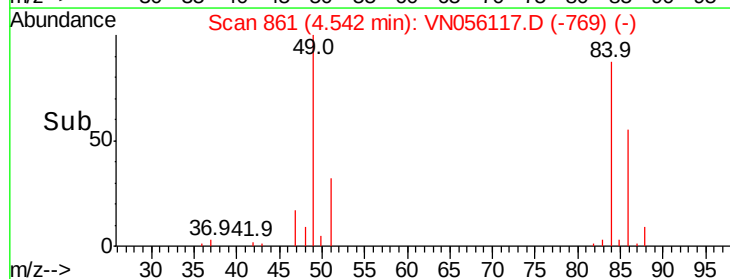
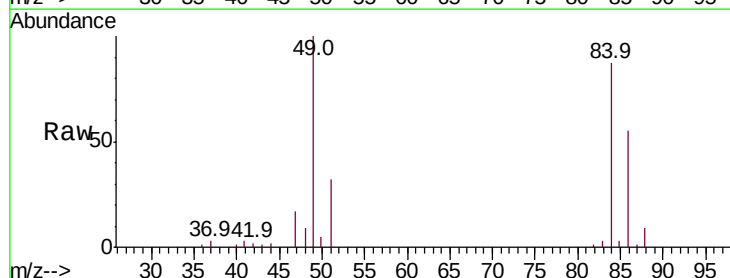
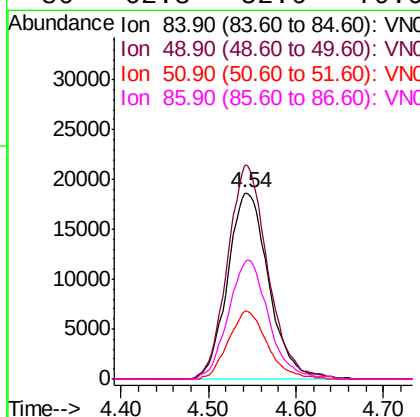
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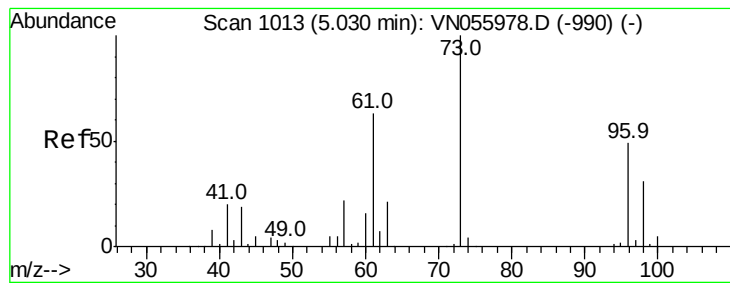
MMDadoda
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#20
Methylene Chloride
Concen: 21.349 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 84 Resp: 60882
Ion Ratio Lower Upper
84 100
49 115.0 93.5 140.3
51 36.2 28.6 43.0
86 62.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.185 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS03

Tot Ion: 96 Resp: 52921

Ion Ratio Lower Upper

96 100

61 130.6 107.8 161.8

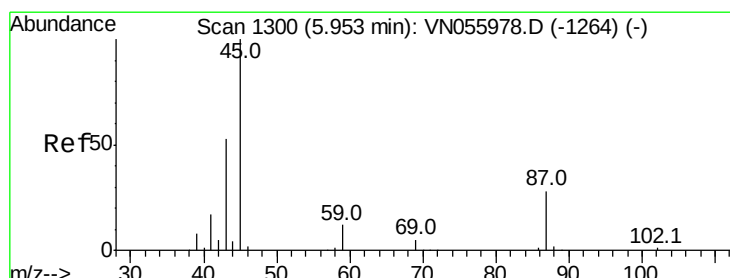
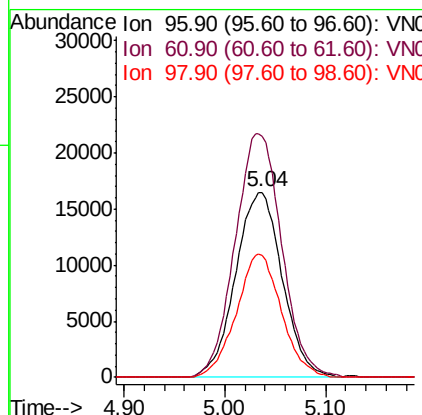
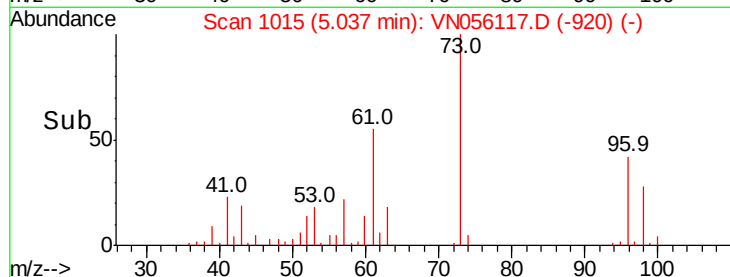
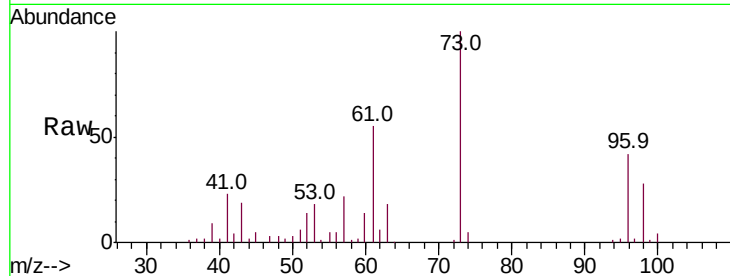
98 66.1 49.8 74.8

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#22

Diisopropyl ether

Concen: 21.055 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Tgt Ion: 45 Resp: 168169

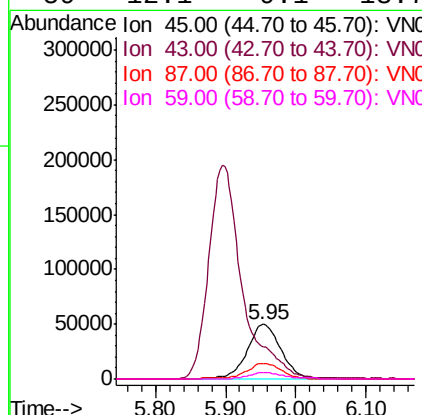
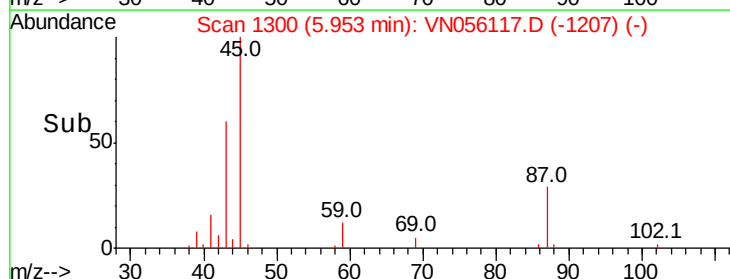
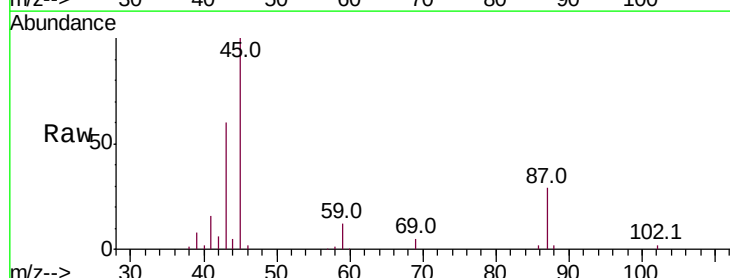
Ion Ratio Lower Upper

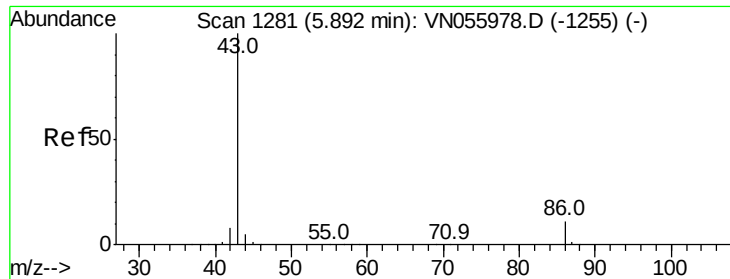
45 100

43 57.9 45.0 67.6

87 28.6 22.2 33.4

59 12.1 9.1 13.7





#23

Vinyl Acetate

Concen: 103.017 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS03

Tot Ion: 43 Resp: 647957

Ion Ratio Lower Upper

43 100

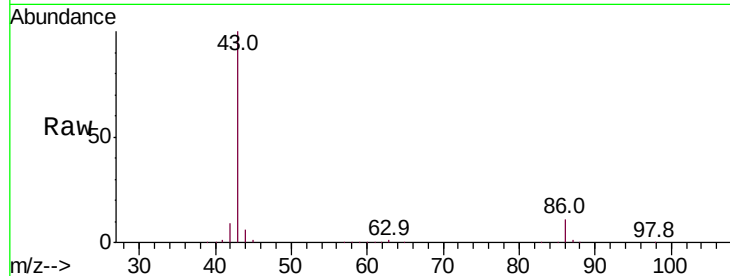
86 11.0 8.6 13.0

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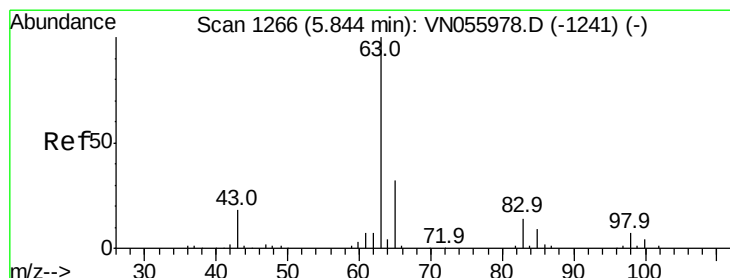
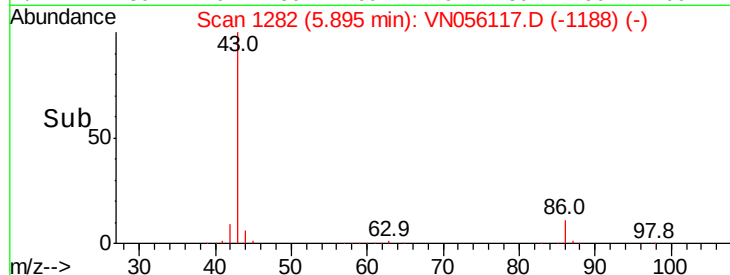
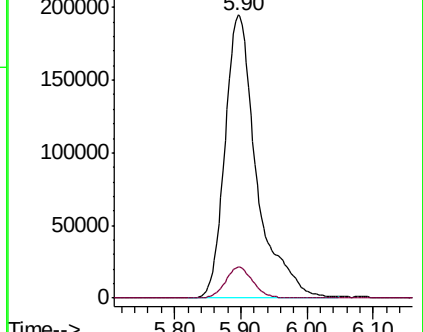
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.848 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

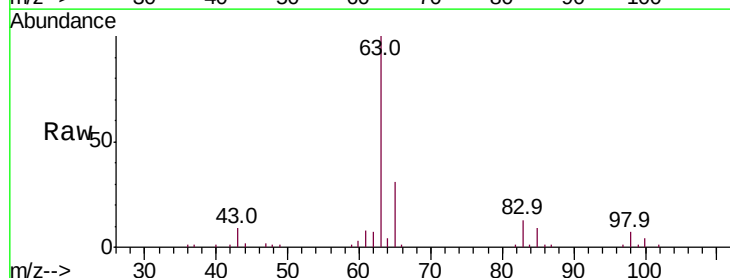
Tgt Ion: 63 Resp: 96049

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

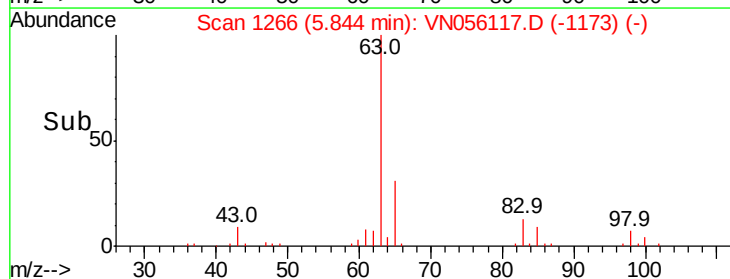
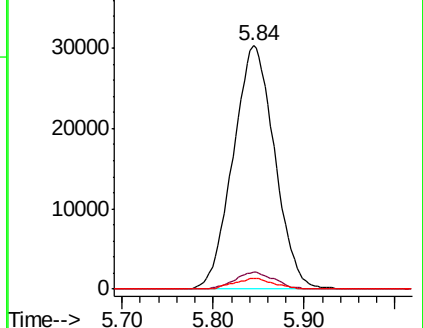
100 4.4 2.2 6.6

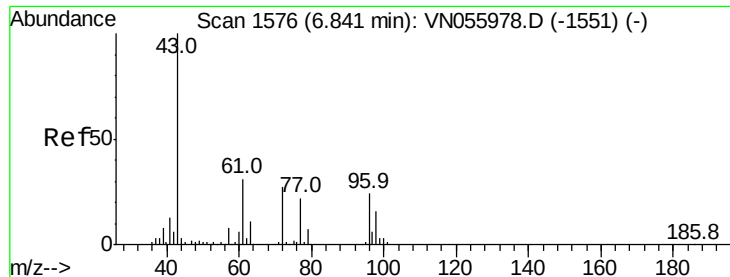


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





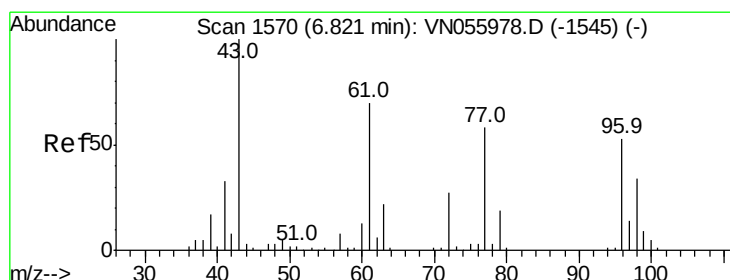
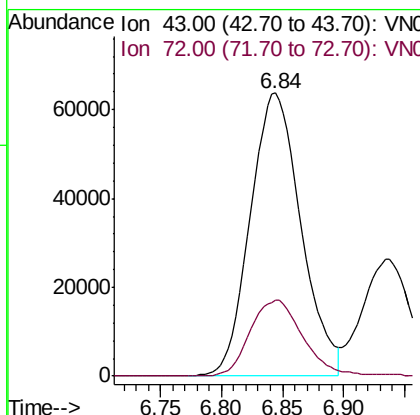
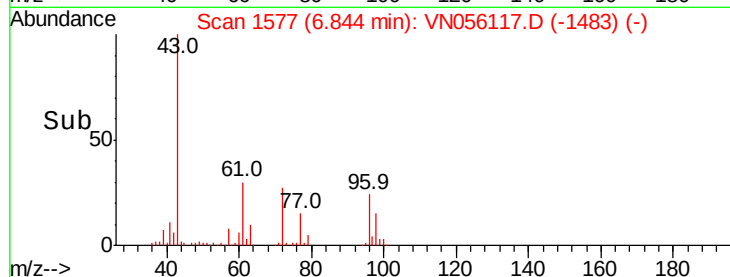
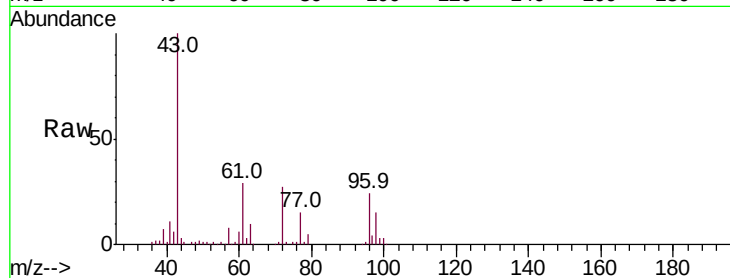
#25
2-Butanone
Concen: 104.567 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS03

Tot Ion: 43 Resp: 182873
Ion Ratio Lower Upper
43 100
72 26.8 21.9 32.9

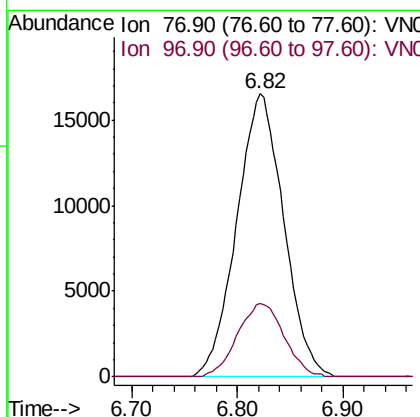
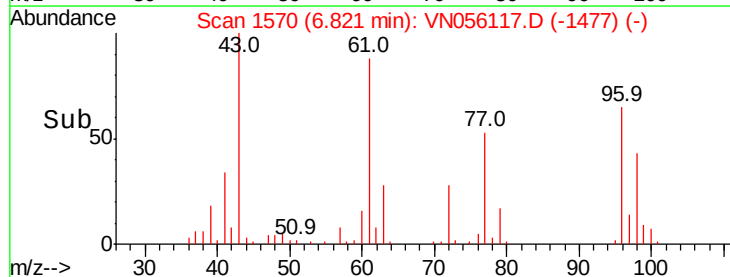
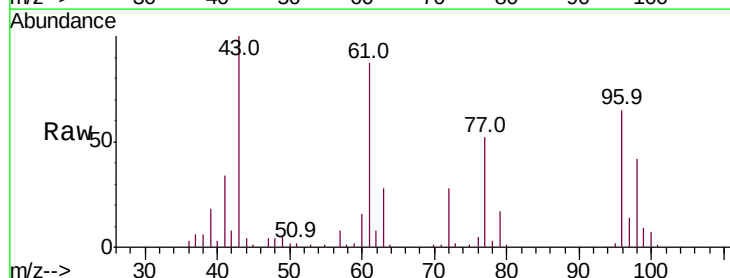
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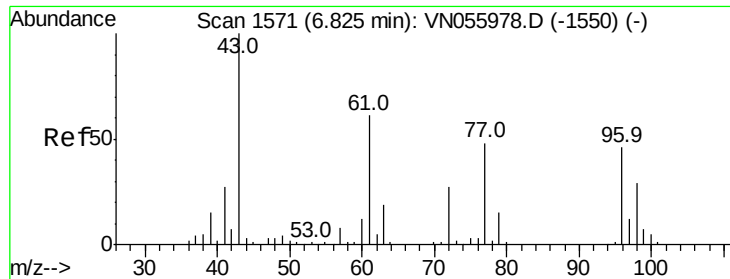
MMDadoda
6/10/2019 11:26:33 AM



#26
2,2-Dichloropropane
Concen: 14.229 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 77 Resp: 51153
Ion Ratio Lower Upper
77 100
97 25.7 12.2 36.6





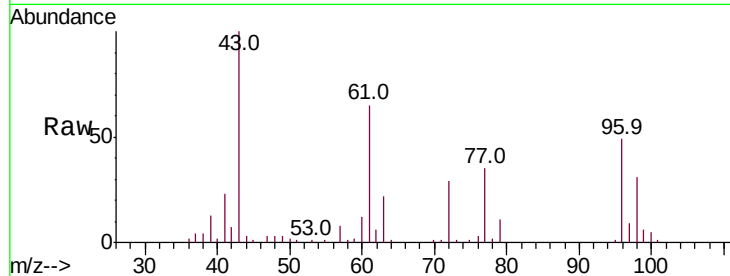
#27
 cis-1,2-Dichloroethene
 Concen: 20.566 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Instrument :
 MSVOA_N
 ClientSampled :
 VN0608WBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.6	0.0	275.8
98	64.0	0.0	128.4

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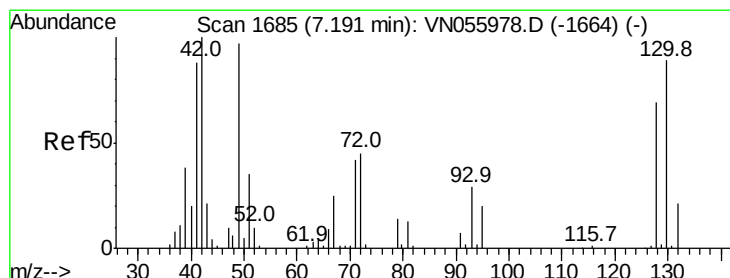
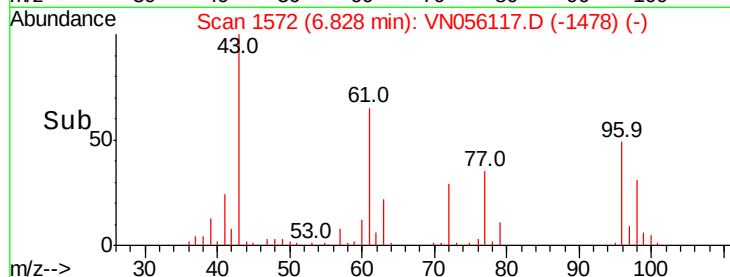
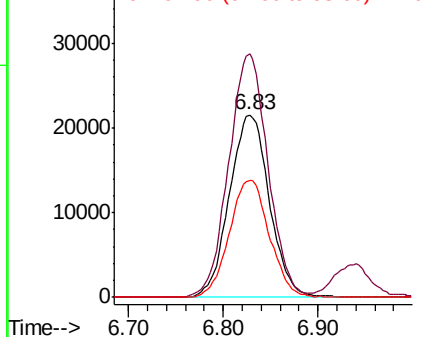


Abundance

Ion 95.90 (95.60 to 96.60): VN055978.D (-1550) (-)

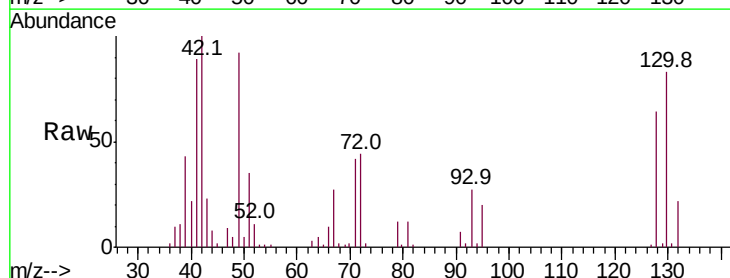
Ion 60.90 (60.60 to 61.60): VN055978.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1550) (-)



#28
 Bromochloromethane
 Concen: 21.038 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	89.6	71.2	106.8

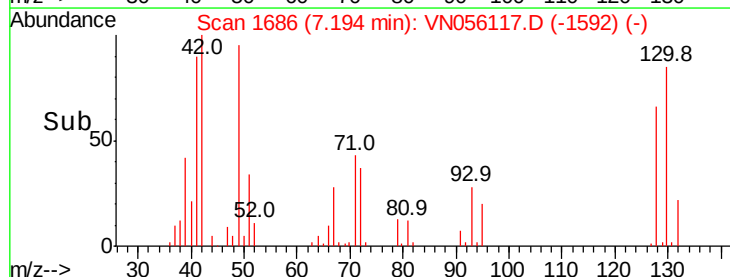
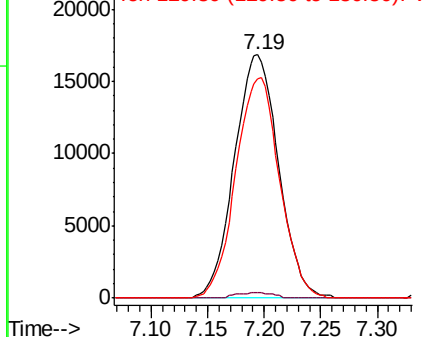


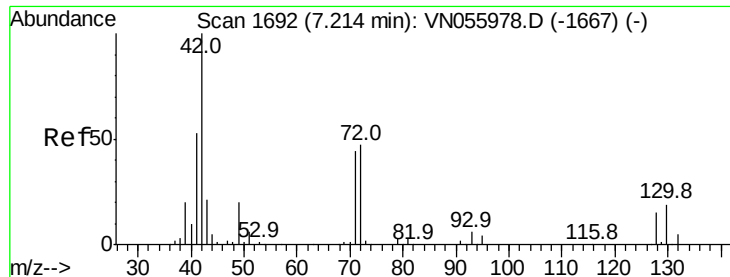
Abundance

Ion 48.90 (48.60 to 49.60): VN055978.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN055978.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN055978.D (-1664) (-)





#29

Tetrahydrofuran

Concen: 113.176 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

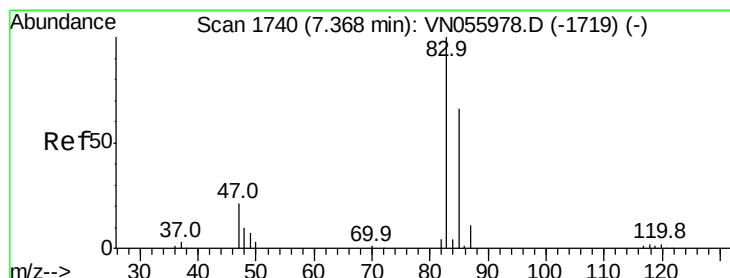
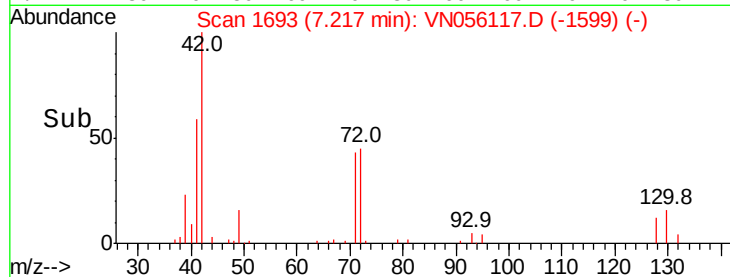
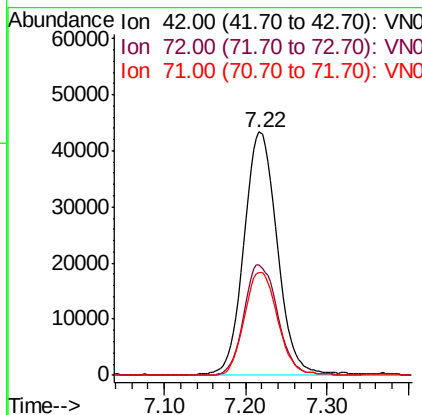
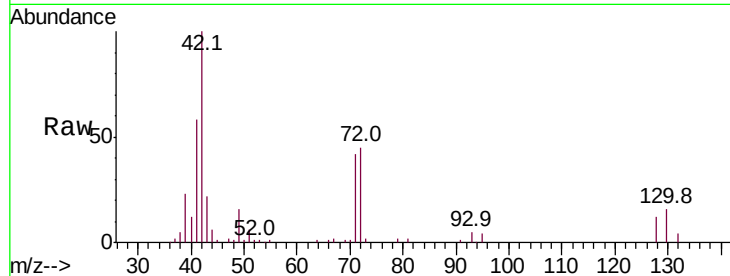
ClientSampleId :

VN0608WBS03

Tot Ion:	42	Resp:	122347
Ion Ratio	Lower	Upper	
42	100		
72	45.9	35.9	53.9
71	42.6	34.0	51.0

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#30

Chloroform

Concen: 21.143 ug/l

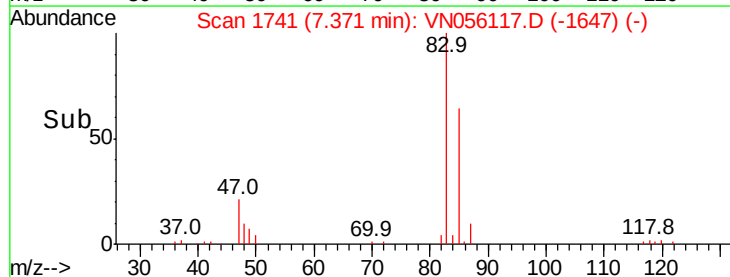
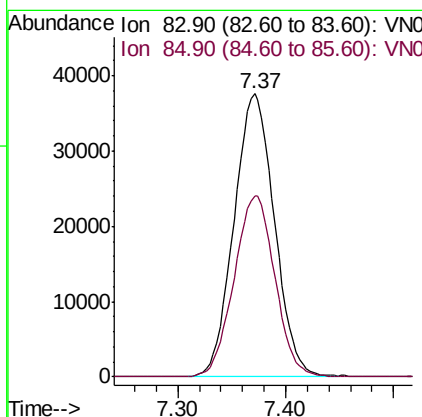
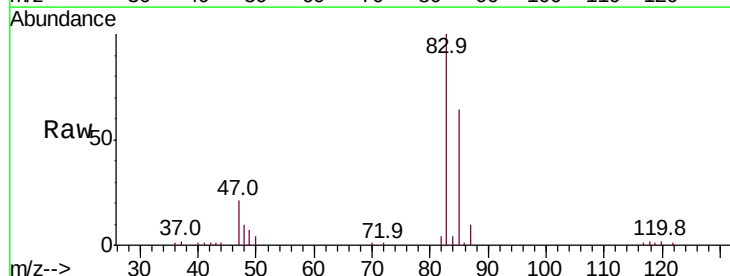
RT: 7.37 min Scan# 1741

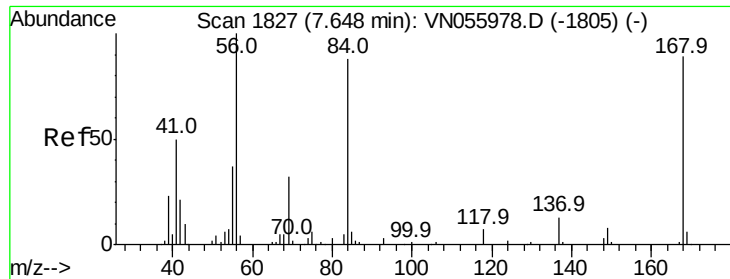
Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Tgt Ion:	83	Resp:	97994
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.8	77.8





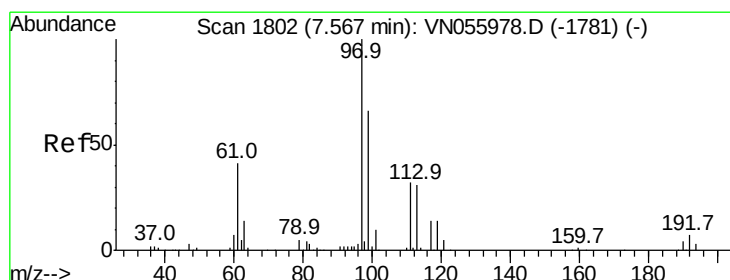
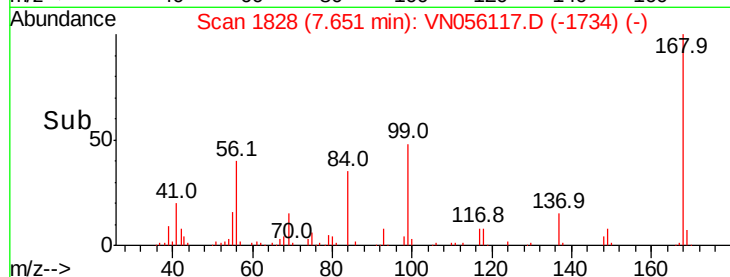
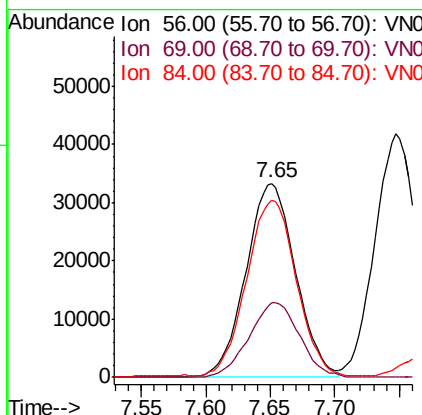
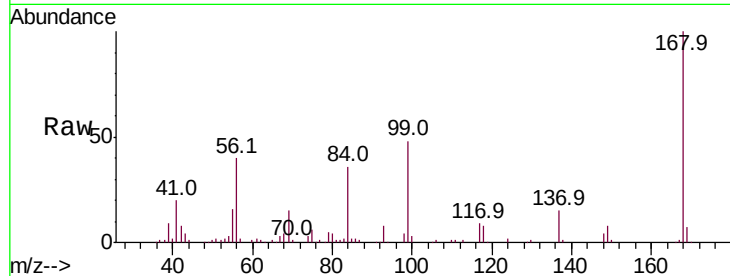
#31
Cyclohexane
Concen: 19.465 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS03

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	25.6	38.4
84	89.7	67.4	101.0

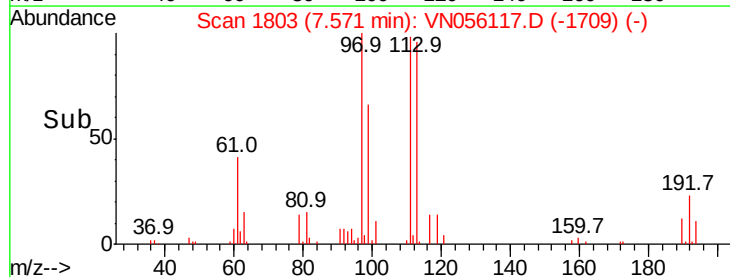
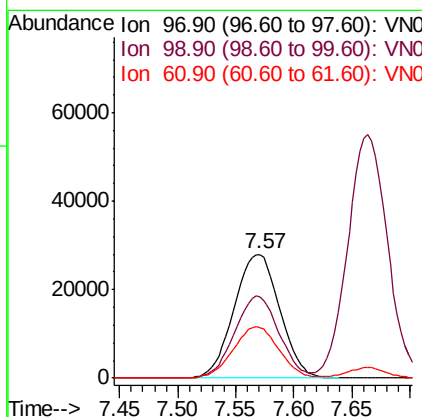
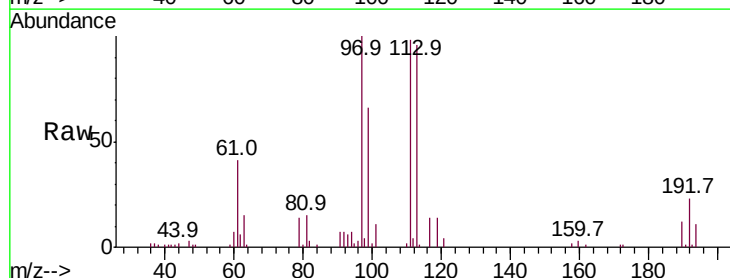
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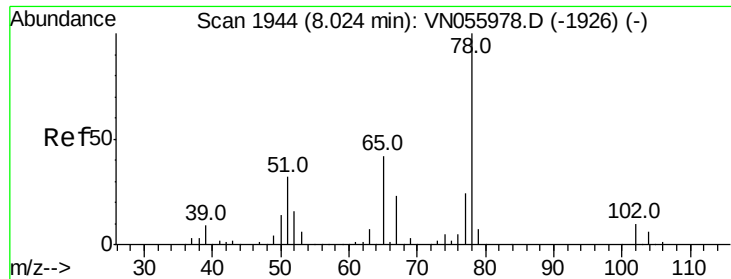
MMDadoda
6/10/2019 11:26:33 AM



#32
1,1,1-Trichloroethane
Concen: 19.770 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	41.5	32.9	49.3





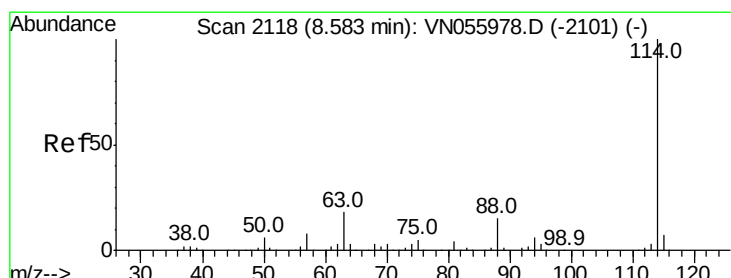
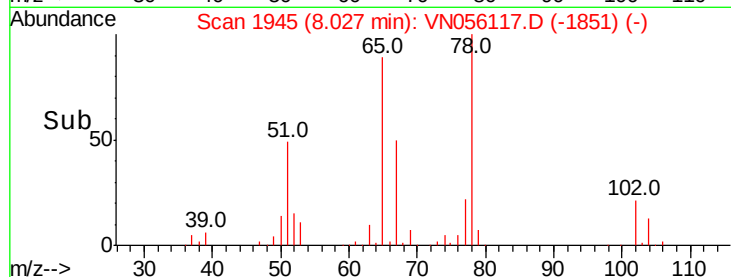
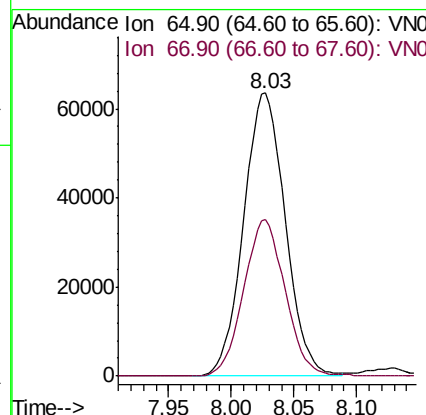
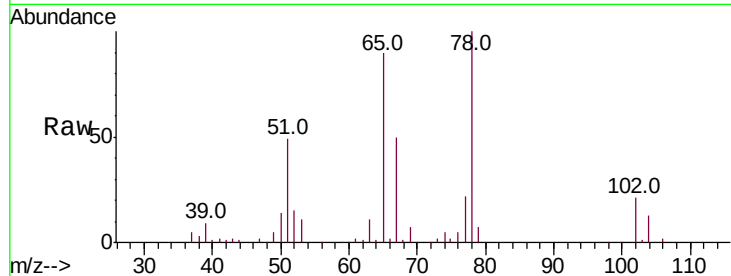
#33
 1,2-Dichloroethane-d4
 Concen: 50.688 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS03

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.2	0.0	109.2	

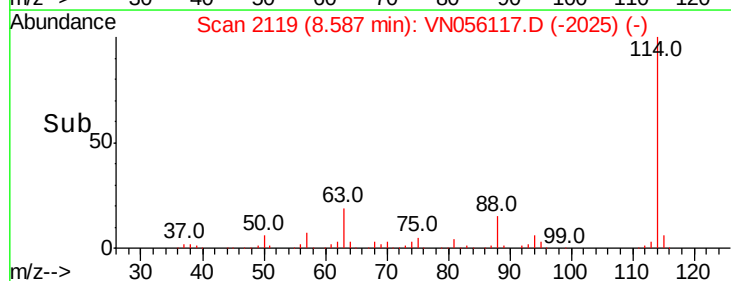
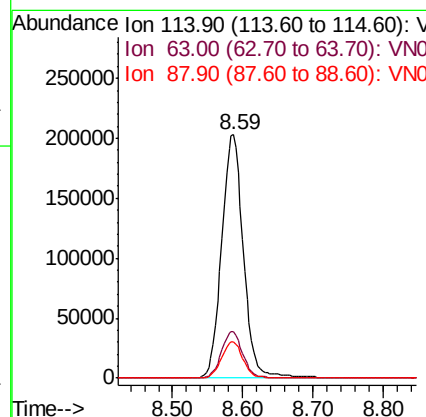
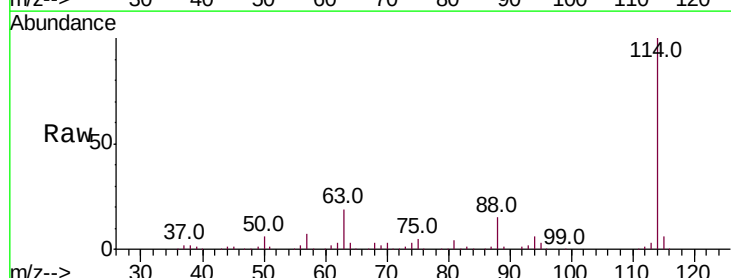
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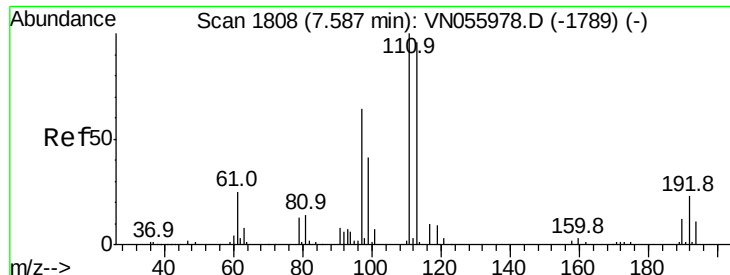
MMDadoda
 6/10/2019 11:26:33 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.0	0.0	39.2	
88	14.8	0.0	31.0	





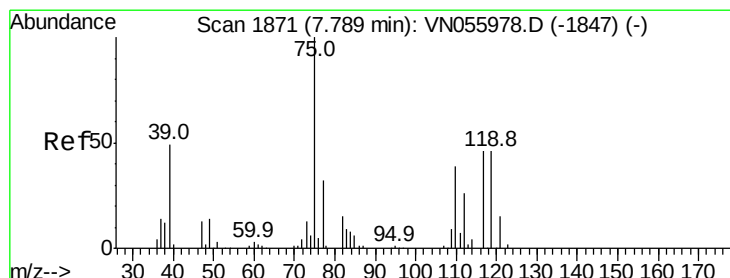
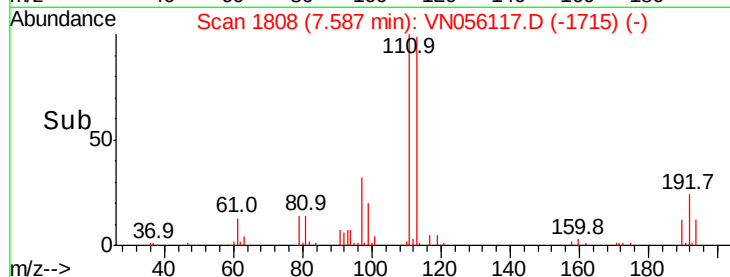
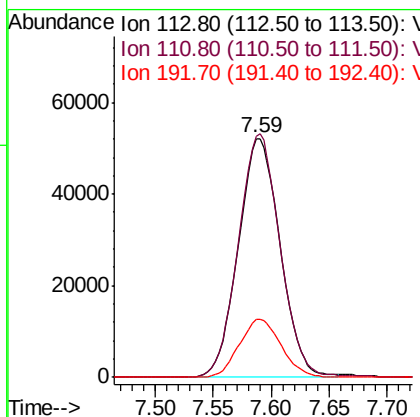
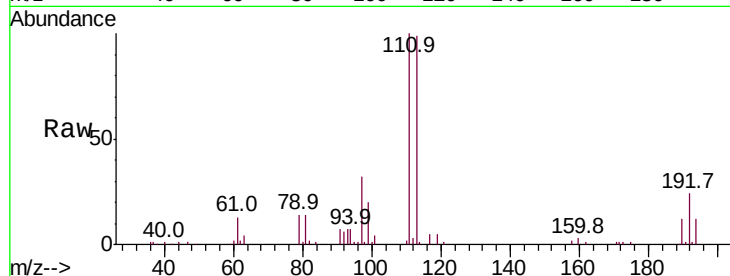
#35
 Dibromofluoromethane
 Concen: 48.898 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.9	81.9	122.9	
192	24.2	19.5	29.3	

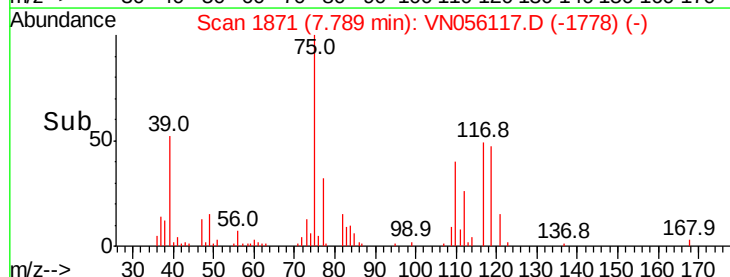
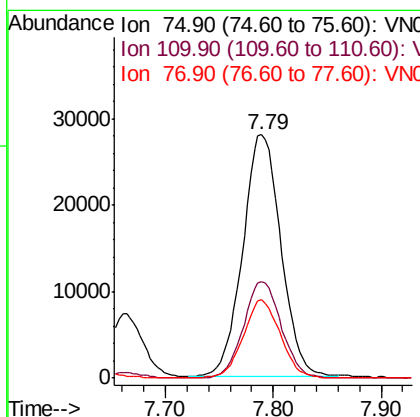
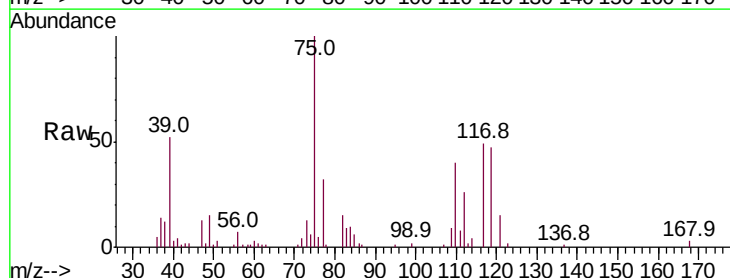
Manual Integrations
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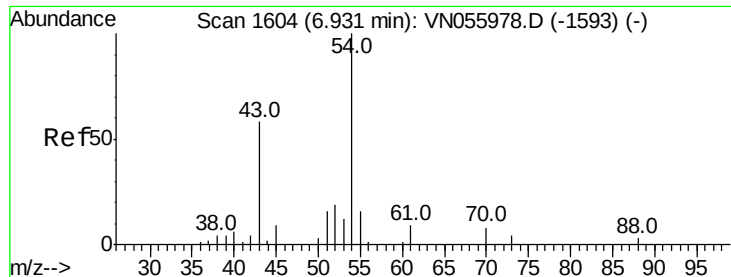
MMDadoda
 6/10/2019 11:26:33 AM



#36
 1,1-Dichloropropene
 Concen: 18.371 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	39.3	19.0	57.0	
77	31.1	25.1	37.7	





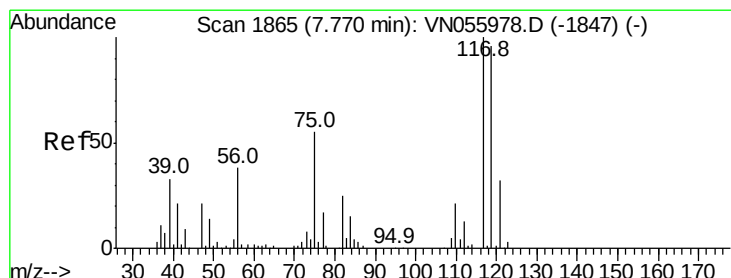
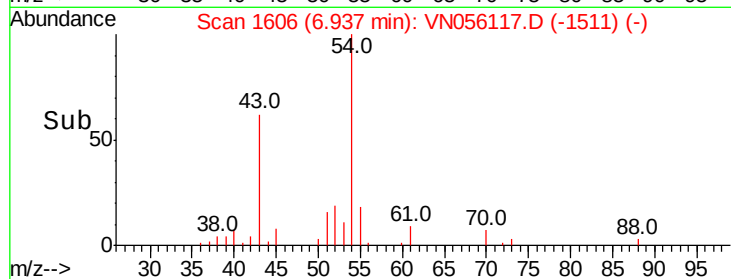
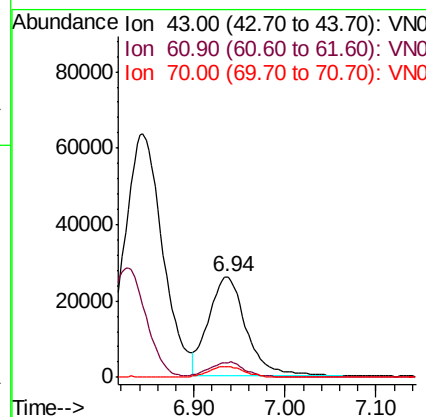
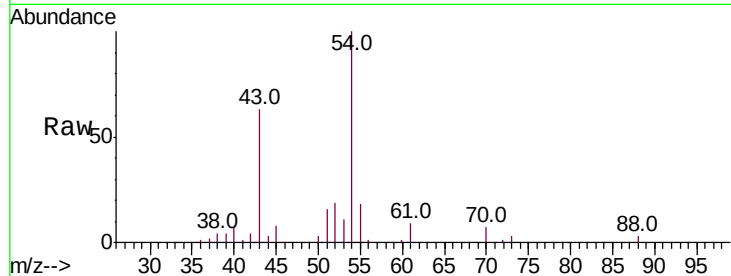
#37
Ethyl Acetate
Concen: 22.432 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampled :
VN0608WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.2	18.2
70	10.3	8.9	13.3

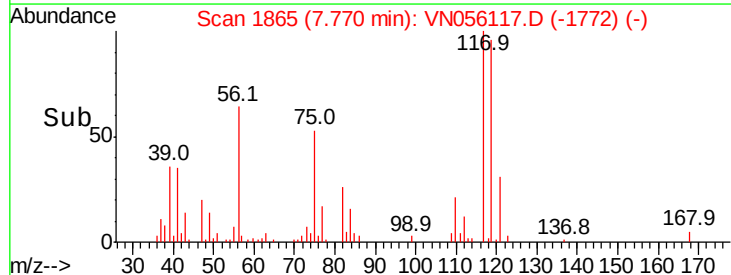
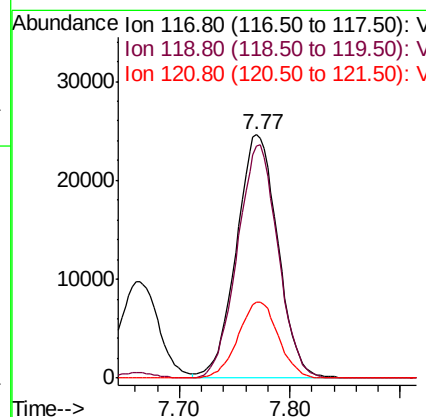
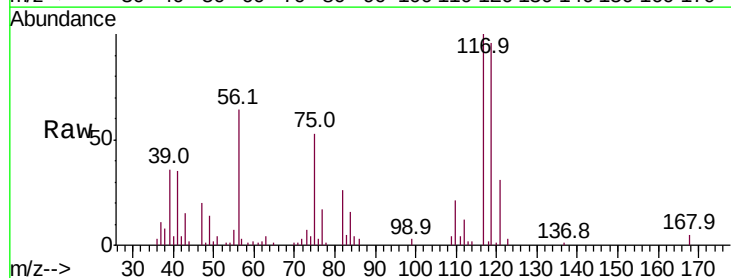
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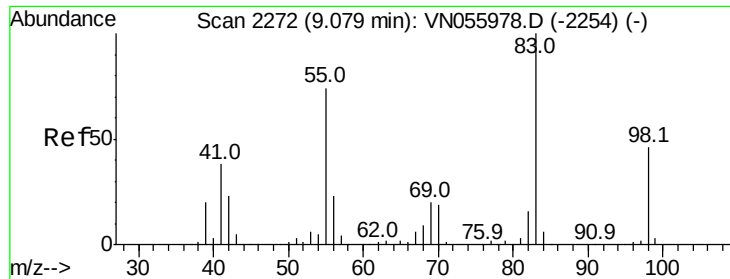
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6/10/2019 11:26:33 AM



#38
Carbon Tetrachloride
Concen: 18.491 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	79.0	118.6
121	31.0	24.7	37.1





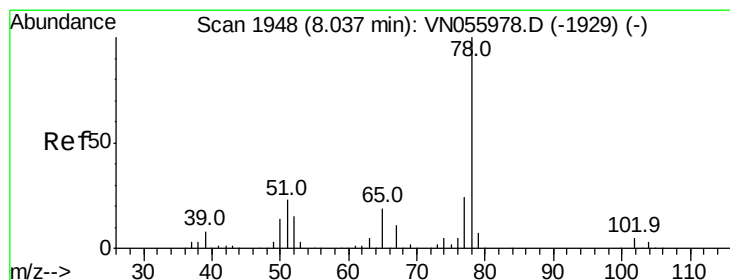
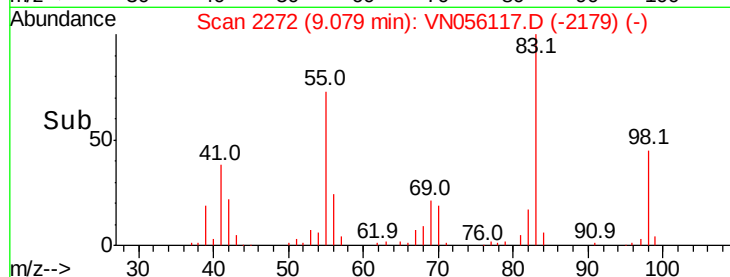
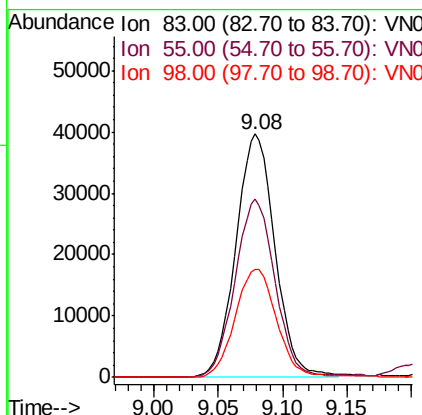
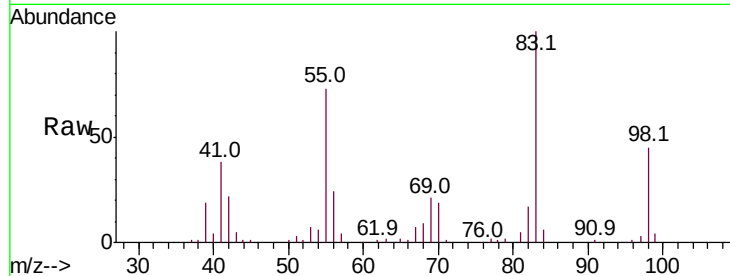
#39
Methylvlcyclohexane
Concen: 17.889 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampled :
VN0608WBS03

Tot Ion	83	Resp	83728
Ion Ratio	100	Lower	Upper
83	100		
55	73.0	59.3	88.9
98	44.6	36.6	54.8

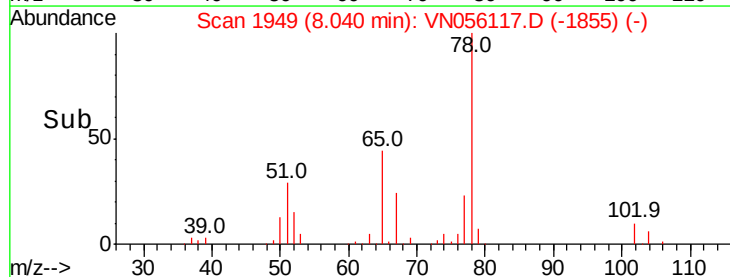
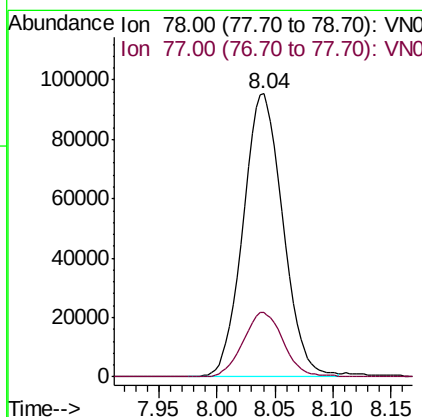
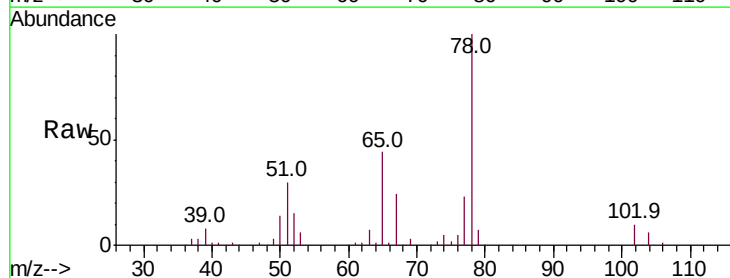
Manual Integrations
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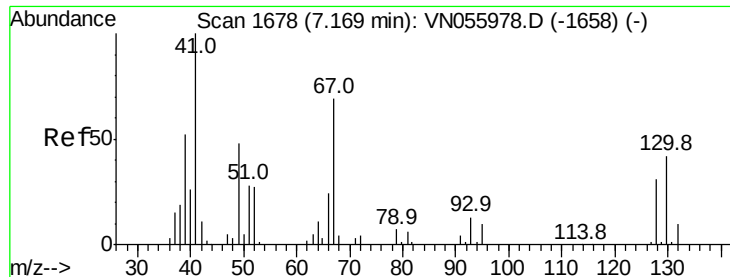
MMDadoda
6/10/2019 11:26:33 AM



#40
Benzene
Concen: 19.987 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion	78	Resp	228083
Ion Ratio	100	Lower	Upper
78	100		
77	22.9	18.8	28.2





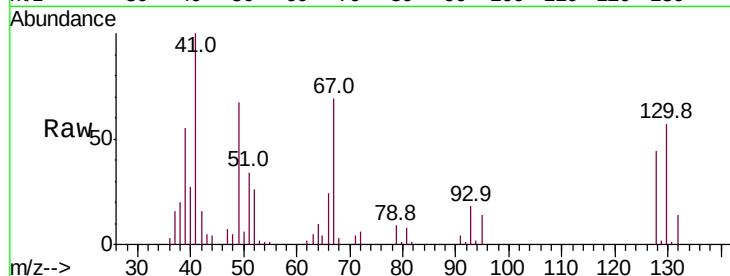
#41
Methacrylonitrile
Concen: 21.622 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS03

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.1	45.6	68.4
67	91.4	67.7	101.5
52	36.1	26.6	40.0

Manual Integrations
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MMDadoda
6/10/2019 11:26:33 AM



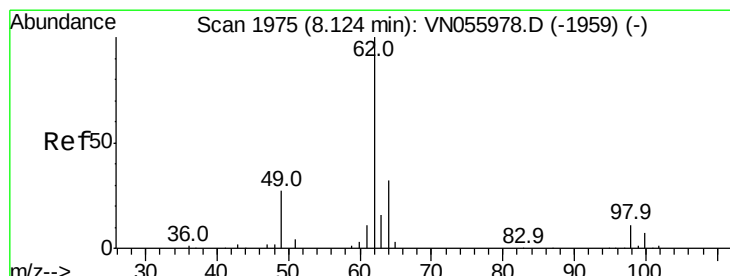
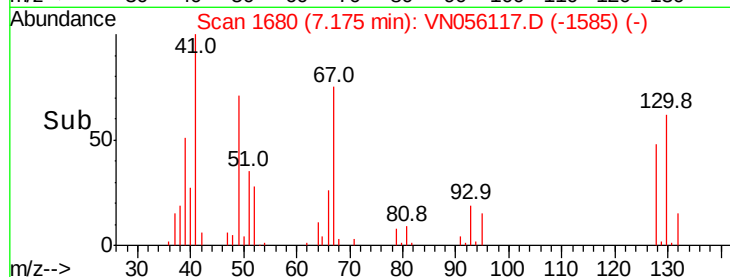
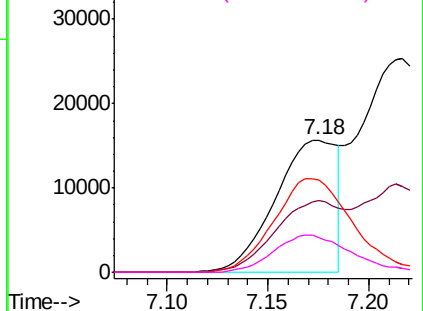
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

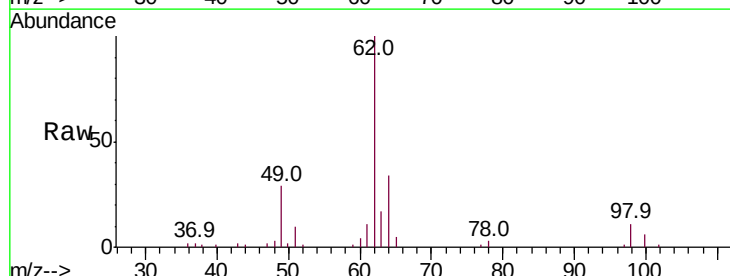
Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42
1,2-Dichloroethane
Concen: 19.909 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

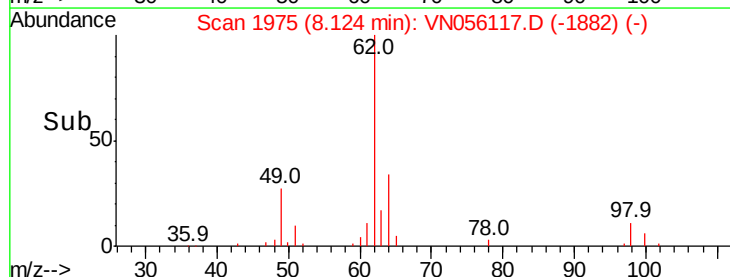
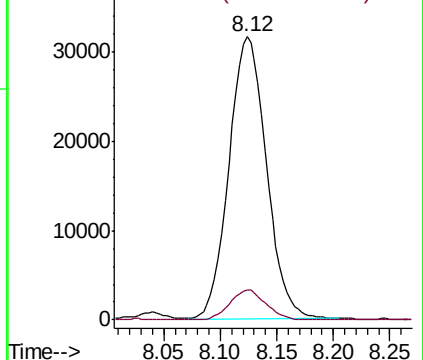
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2

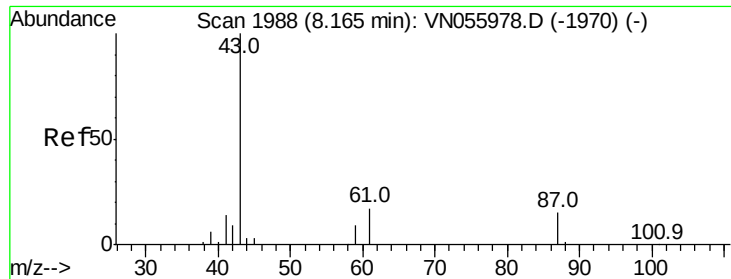


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 20.138 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

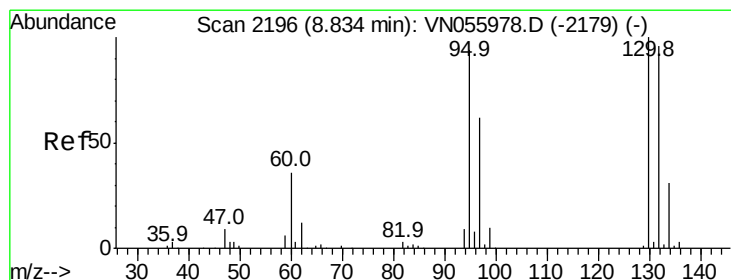
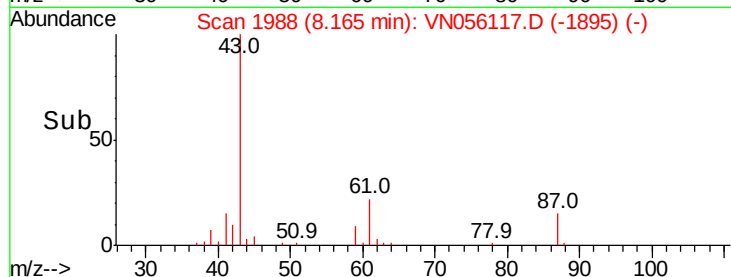
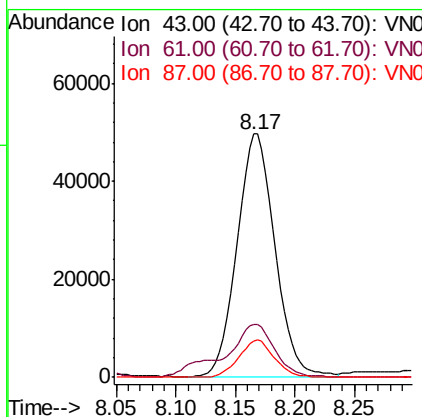
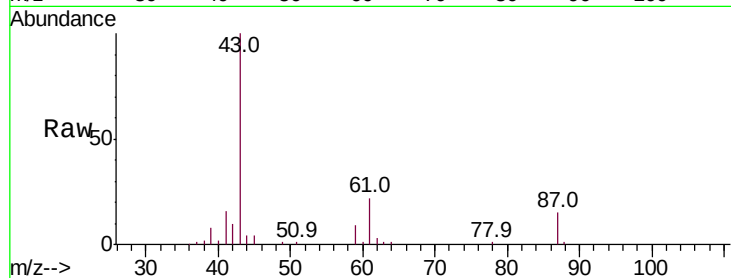
ClientSampleId :

VN0608WBS03

Tot Ion:	43	Resp:	109096
Ion	Ratio	Lower	Upper
43	100		
61	22.8	22.2	33.4
87	14.4	11.4	17.2

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#44

Trichloroethene

Concen: 19.281 ug/l

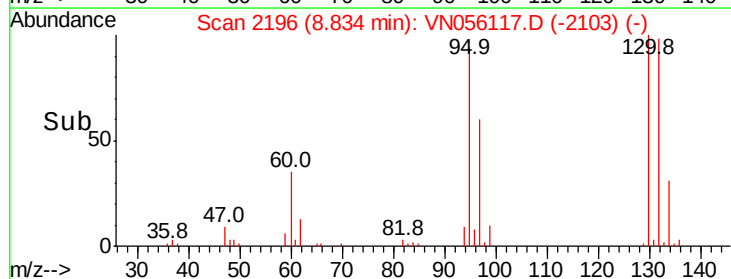
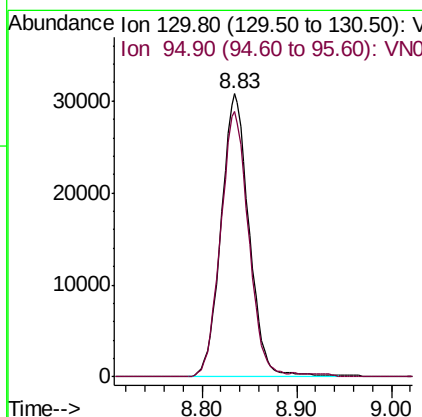
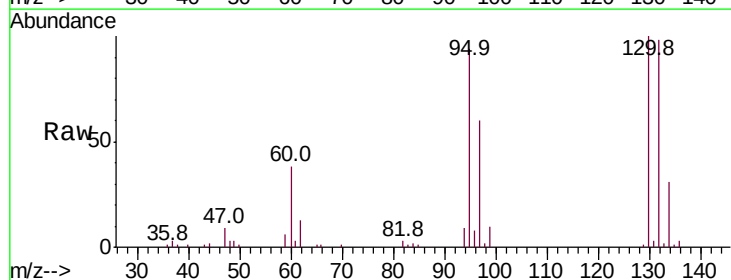
RT: 8.83 min Scan# 2196

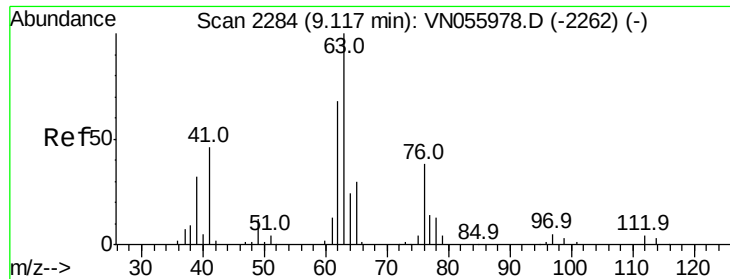
Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Tgt Ion:	130	Resp:	63226
Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	188.0





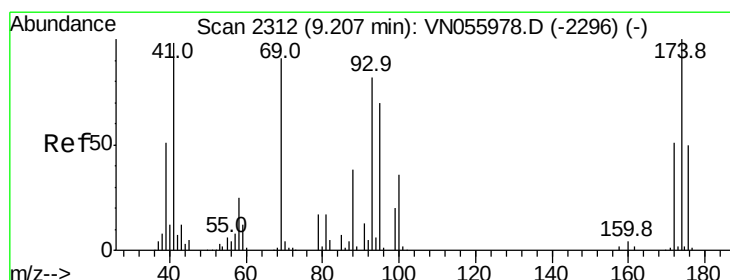
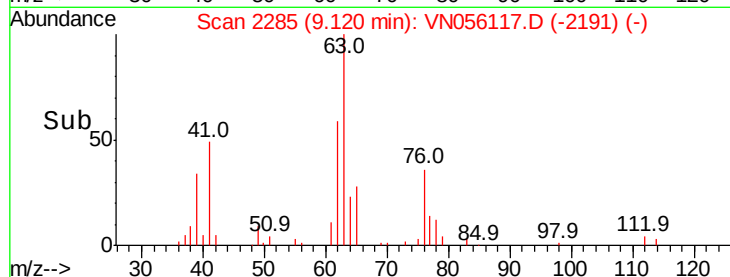
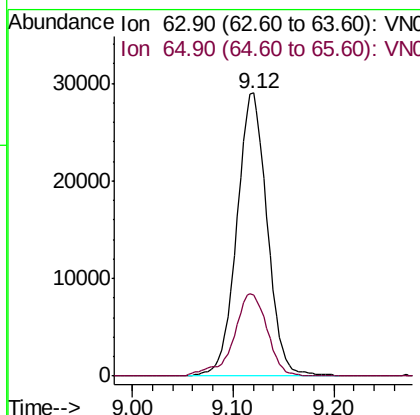
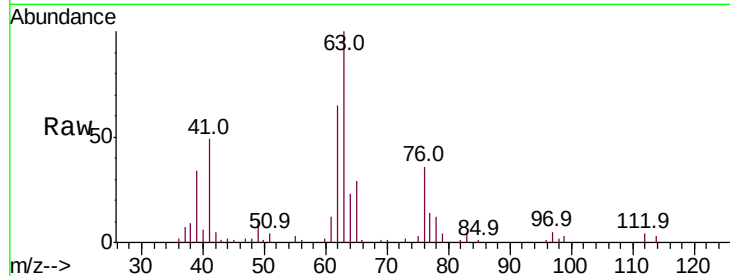
#45
 1,2-Dichloropropane
 Concen: 20.692 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS03

Tot Ion: 63 Resp: 60484
 Ion Ratio Lower Upper
 63 100
 65 28.7 24.6 36.8

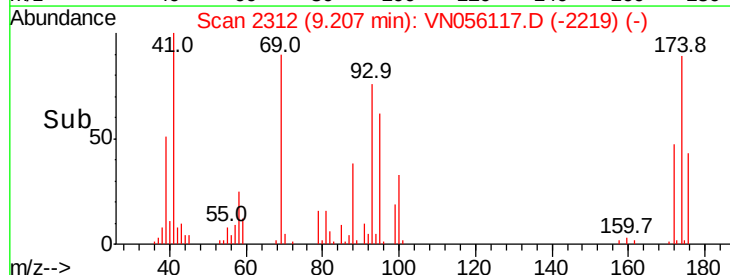
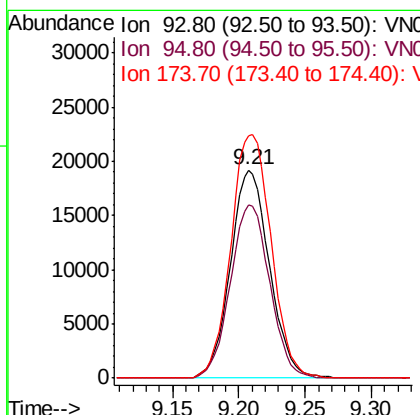
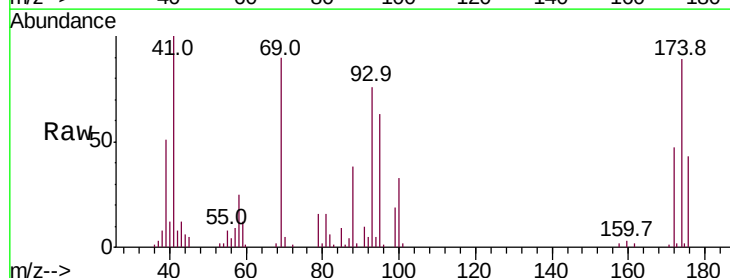
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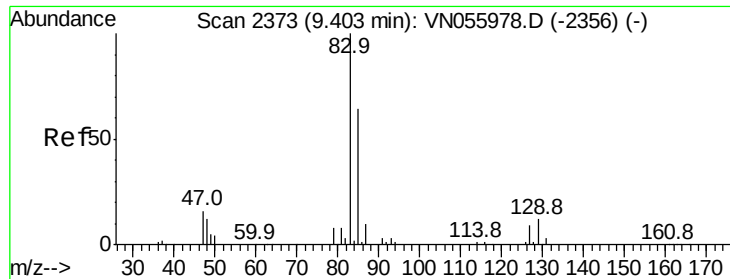
MMDadoda
 6/10/2019 11:26:33 AM



#46
 Dibromomethane
 Concen: 20.529 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Tgt Ion: 93 Resp: 39240
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.7 100.1
 174 120.7 96.4 144.6





#47

Bromodichloromethane

Concen: 18.882 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

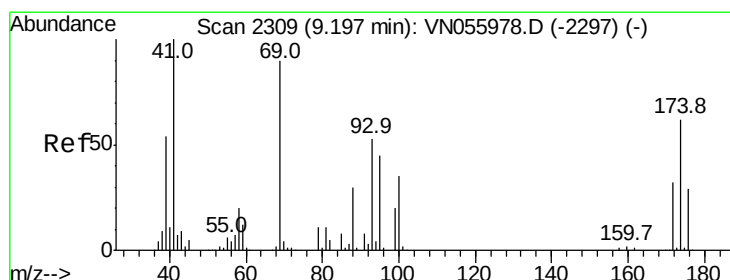
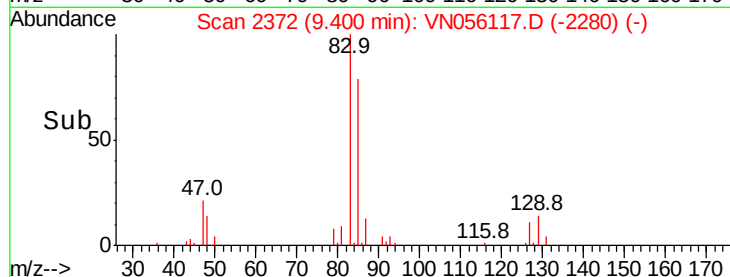
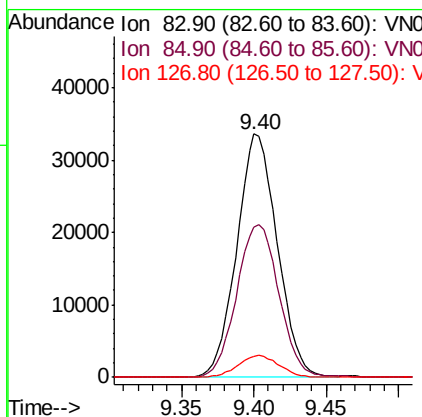
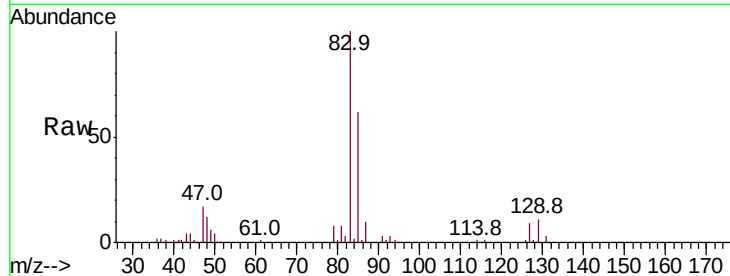
ClientSampleId :

VN0608WBS03

Tot Ion:	83	Resp:	65414
Ion Ratio	Lower	Upper	
83	100		
85	61.6	52.2	78.2
127	8.8	7.4	11.0

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#48

Methyl methacrylate

Concen: 20.998 ug/l

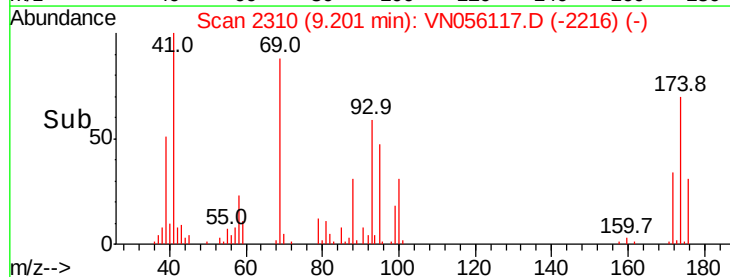
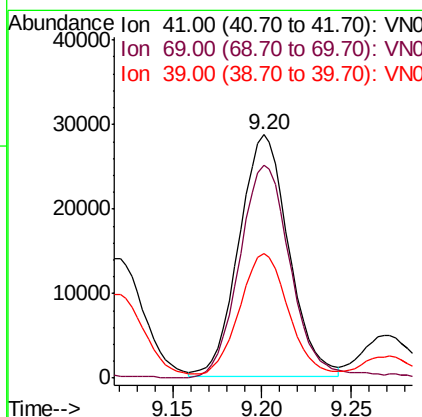
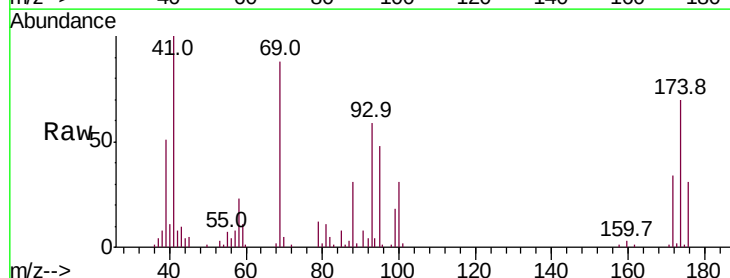
RT: 9.20 min Scan# 2310

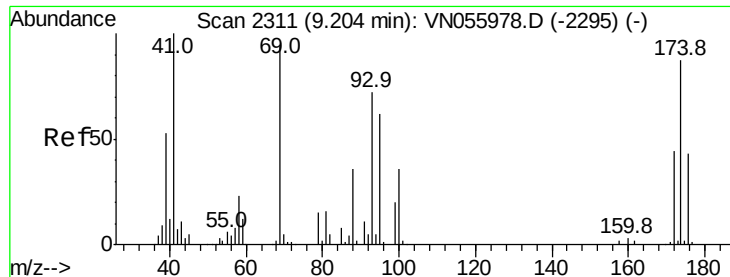
Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Tgt Ion:	41	Resp:	55653
Ion Ratio	Lower	Upper	
41	100		
69	91.1	71.0	106.6
39	51.3	44.2	66.2





#49

1,4-Dioxane

Concen: 431.213 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS03

Tot Ion: 88 Resp: 24673

Ion Ratio Lower Upper

88 100

43 23.7 20.5 30.7

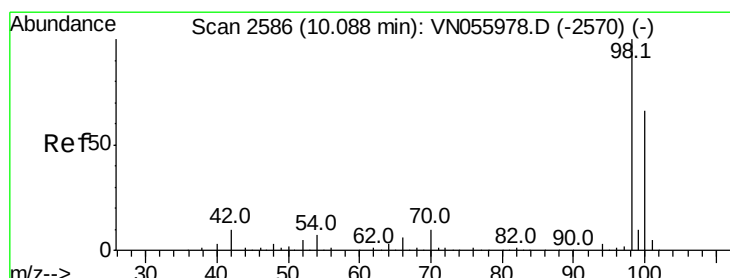
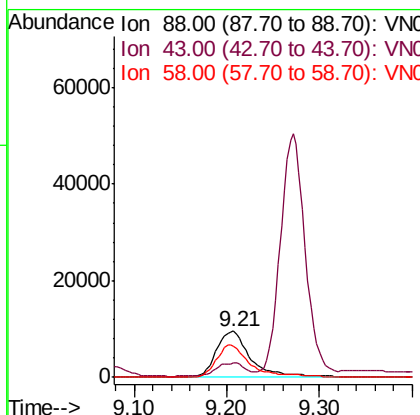
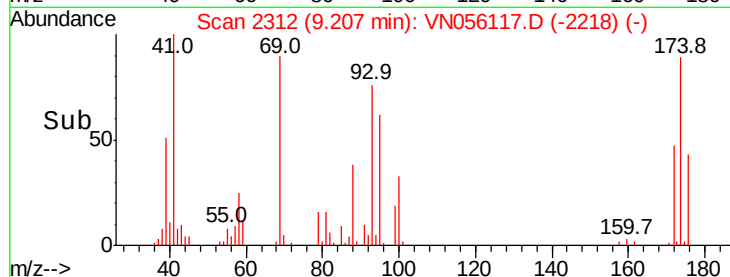
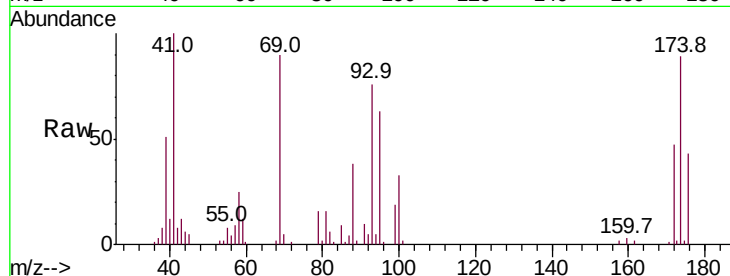
58 65.5 55.8 83.6

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#50

Toluene-d8

Concen: 48.255 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056117.D

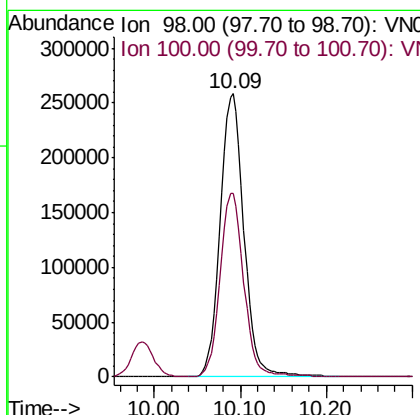
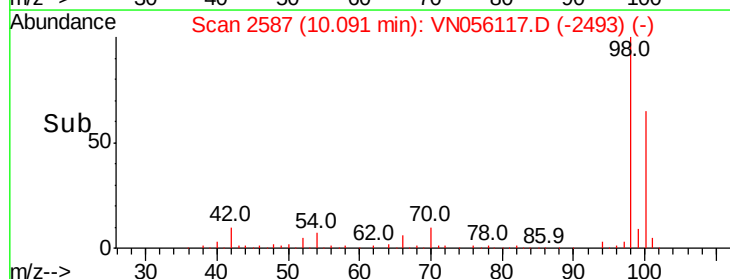
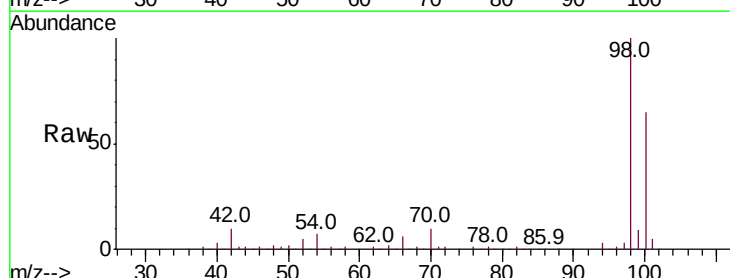
Acq: 7 Jun 2019 23:06

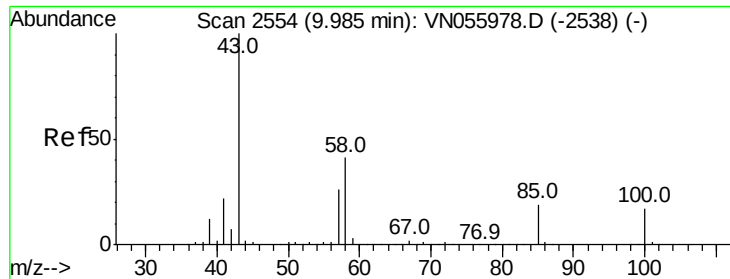
Tgt Ion: 98 Resp: 497815

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 107.607 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

VN0608WBS03

Tot Ion: 43 Resp: 364548

Ion Ratio Lower Upper

43 100

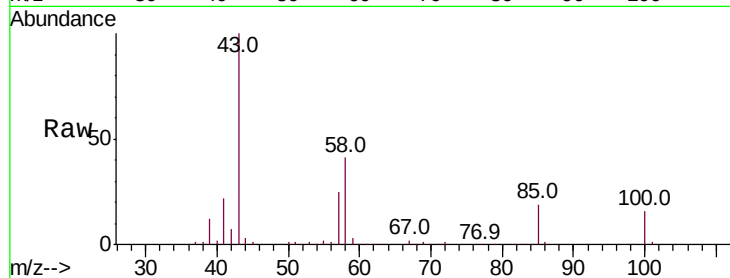
58 40.5 32.1 48.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

200000

150000

100000

50000

0

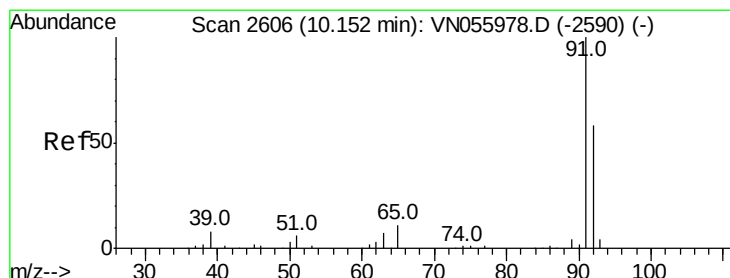
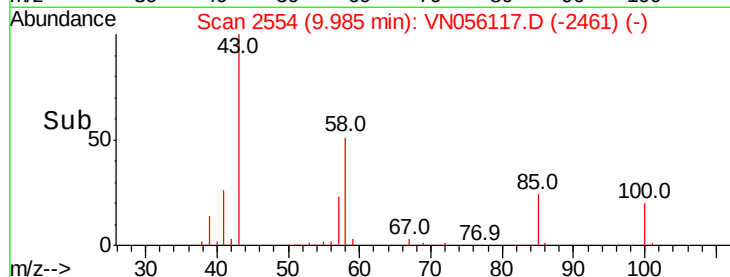
9.90

9.99

10.00

10.10

Time-->



#52

Toluene

Concen: 20.146 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056117.D

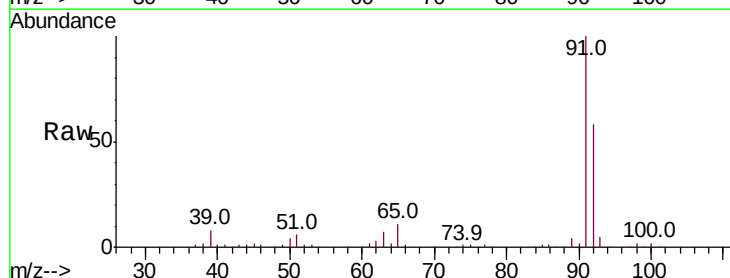
Acq: 7 Jun 2019 23:06

Tgt Ion: 92 Resp: 143057

Ion Ratio Lower Upper

92 100

91 173.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

50000

0

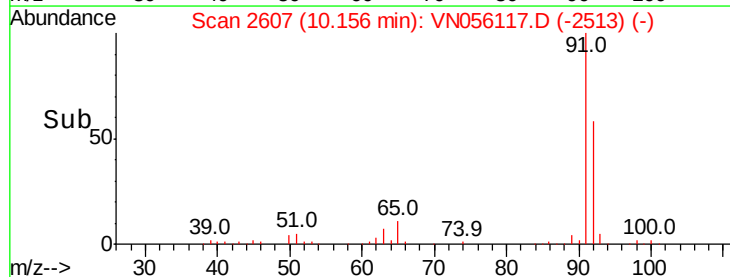
10.10

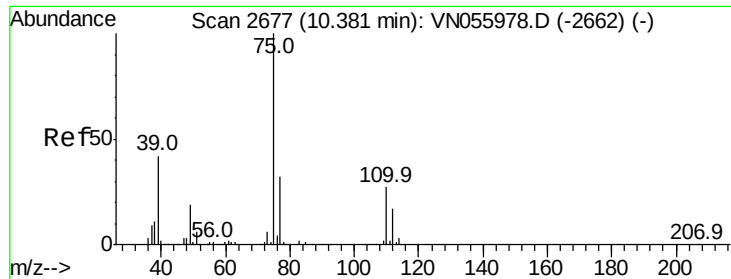
10.16

10.20

10.30

Time-->





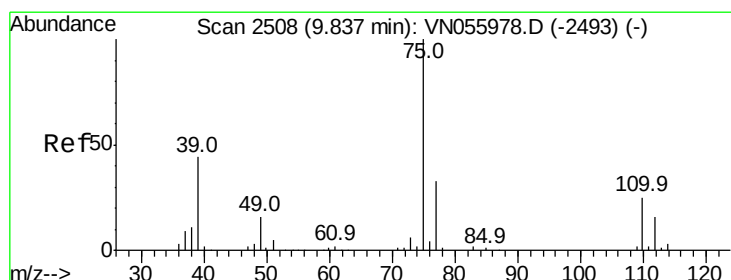
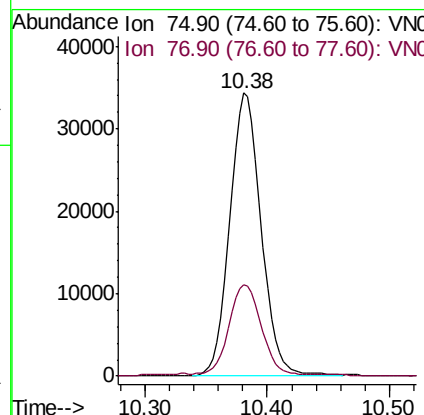
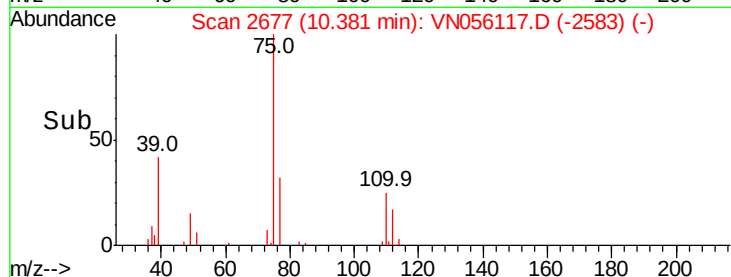
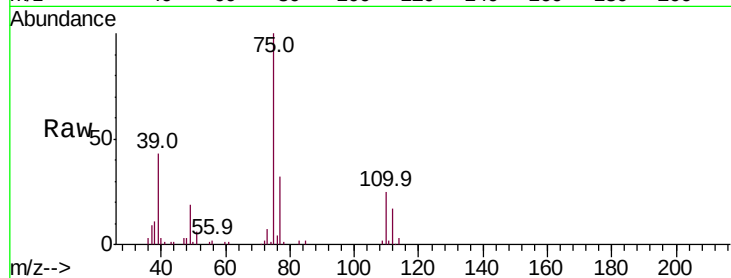
#53
 t-1,3-Dichloropropene
 Concen: 16.903 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS03

Tot Ion: 75 Resp: 61884
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.8 38.6

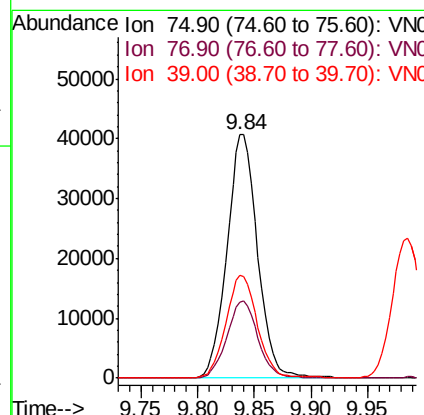
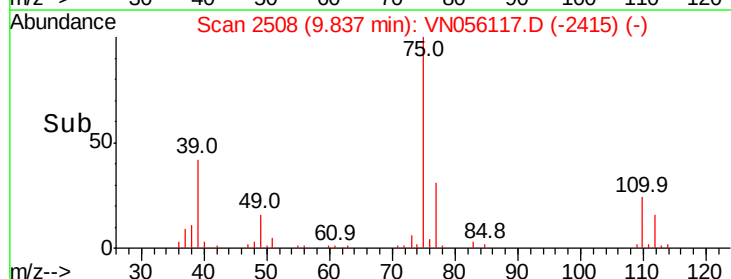
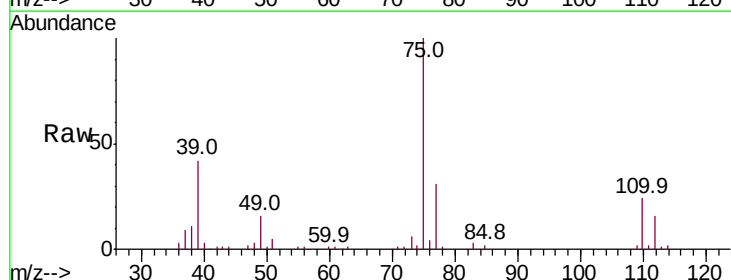
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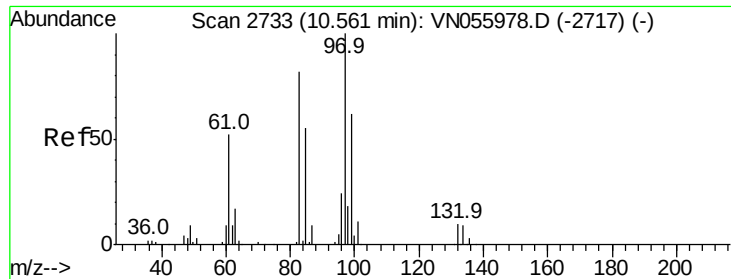
MMDadoda
 6/10/2019 11:26:33 AM



#54
 cis-1,3-Dichloropropene
 Concen: 18.296 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Tgt Ion: 75 Resp: 76190
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.0
 39 42.0 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 20.475 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS03

Tot Ion: 97 Resp: 57593

Ion Ratio Lower Upper

97 100

83 85.3 67.0 100.6

85 55.2 44.0 66.0

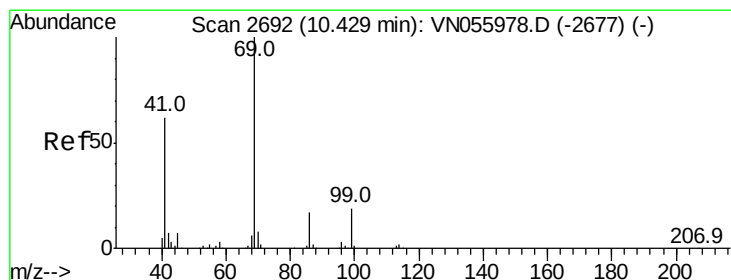
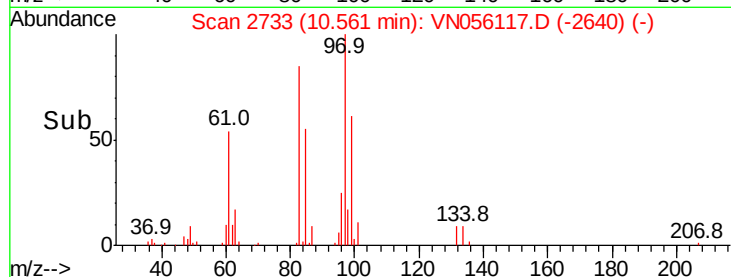
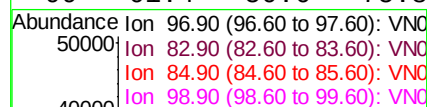
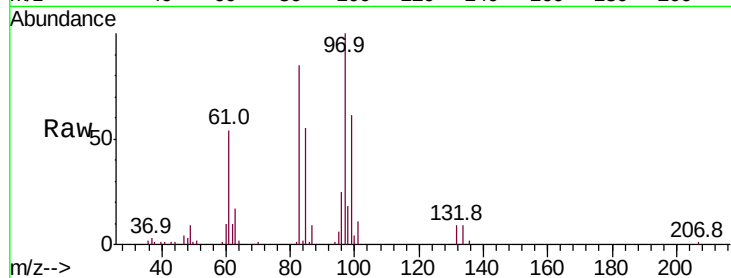
99 61.4 50.6 75.8

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#56

Ethyl methacrylate

Concen: 20.228 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

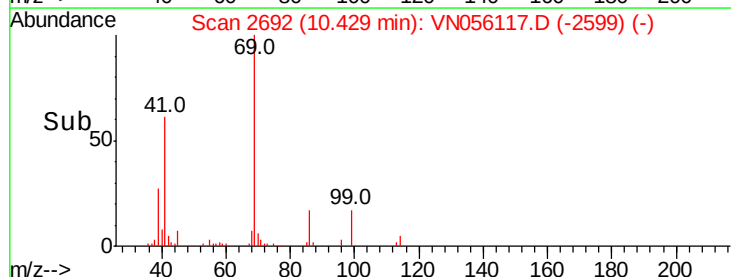
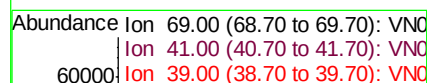
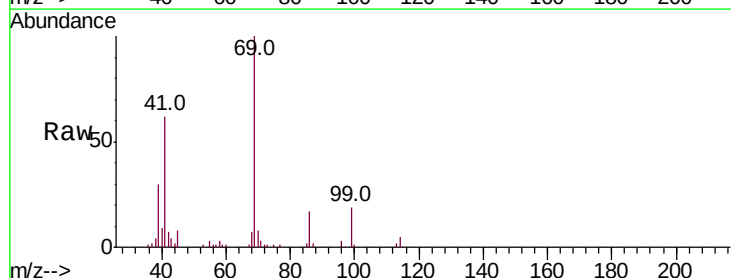
Tgt Ion: 69 Resp: 83007

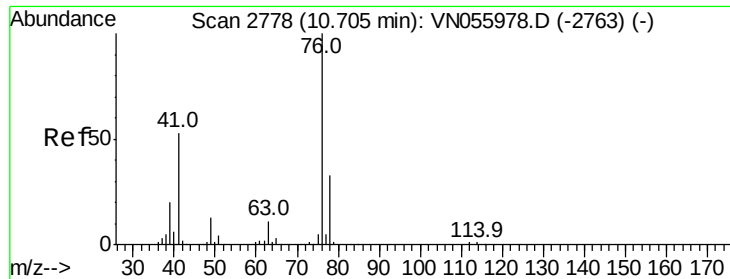
Ion Ratio Lower Upper

69 100

41 60.2 49.7 74.5

39 29.2 24.7 37.1





#57

1,3-Dichloropropane

Concen: 20.679 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

VN0608WBS03

Tot Ion: 76 Resp: 94557

Ion Ratio Lower Upper

76 100

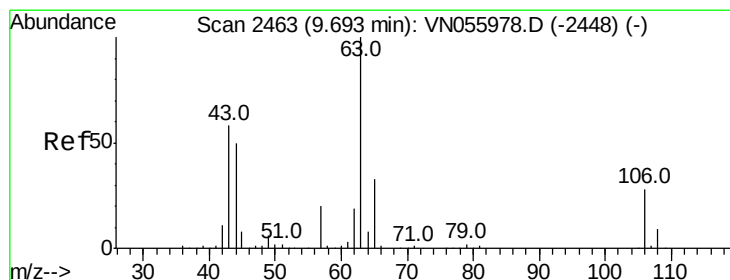
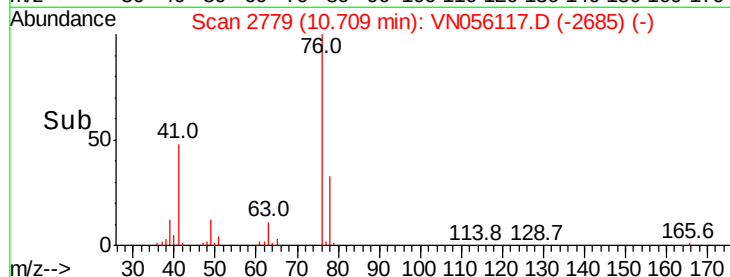
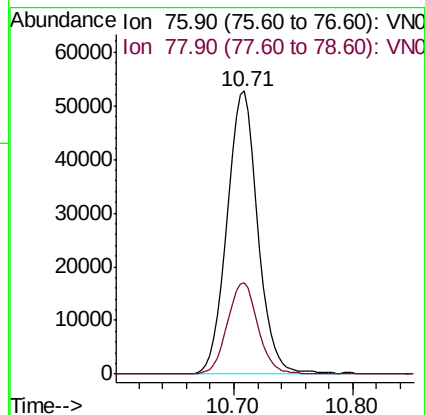
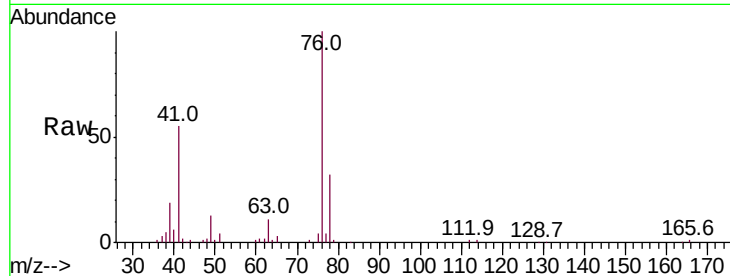
78 32.2 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 99.512 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056117.D

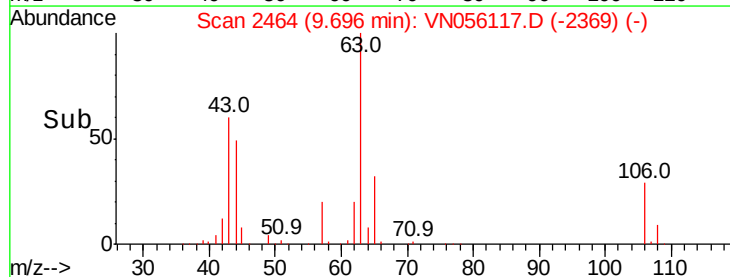
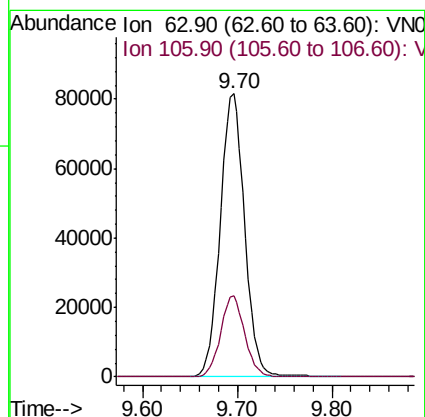
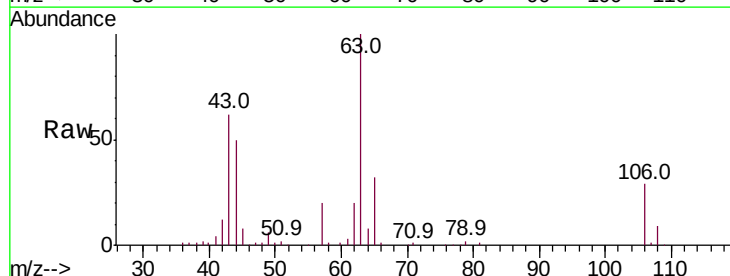
Acq: 7 Jun 2019 23:06

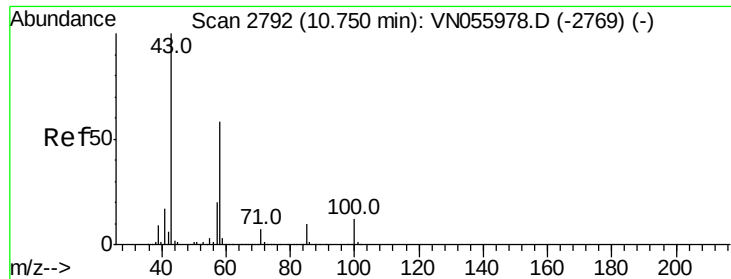
Tgt Ion: 63 Resp: 146421

Ion Ratio Lower Upper

63 100

106 28.0 22.7 34.1





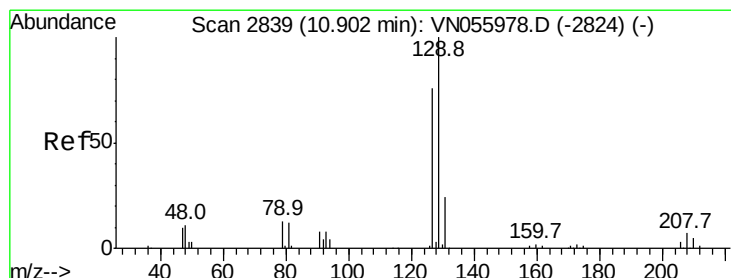
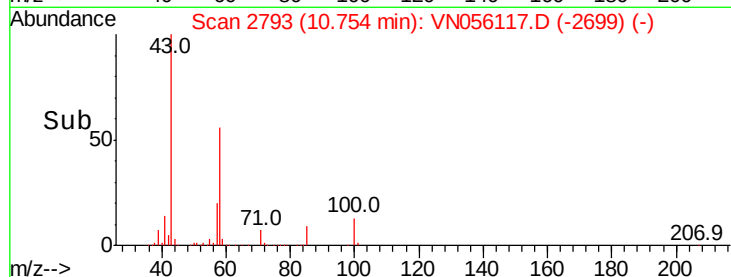
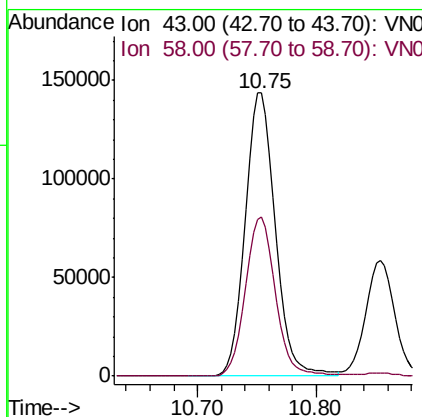
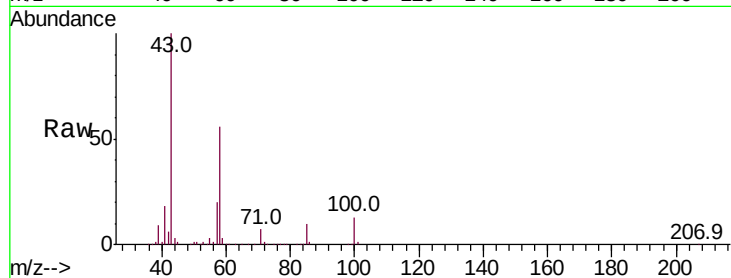
#59
2-Hexanone
Concen: 102.846 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS03

Tot Ion: 43 Resp: 252526
Ion Ratio Lower Upper
43 100
58 55.9 28.2 84.7

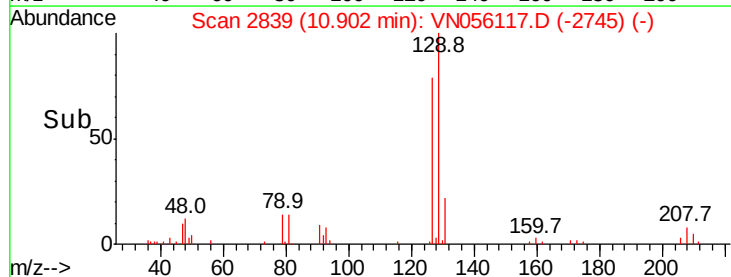
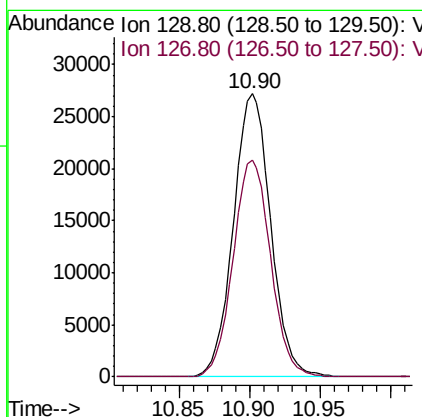
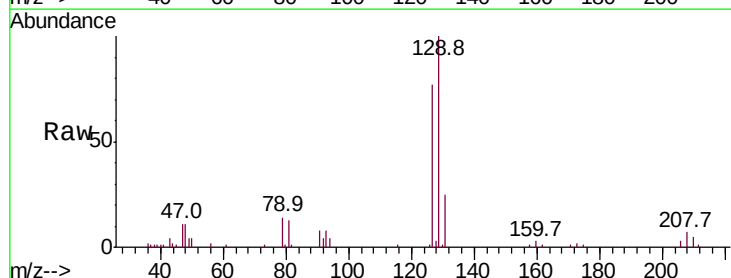
Manual Integrations
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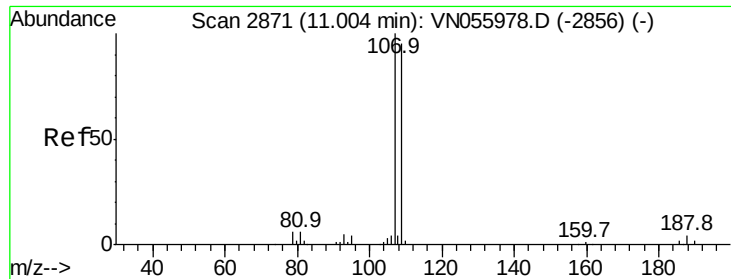
MMDadoda
6/10/2019 11:26:33 AM



#60
Dibromochloromethane
Concen: 17.916 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 129 Resp: 50450
Ion Ratio Lower Upper
129 100
127 76.8 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.309 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS03

Tot Ion:107 Resp: 58400

Ion Ratio Lower Upper

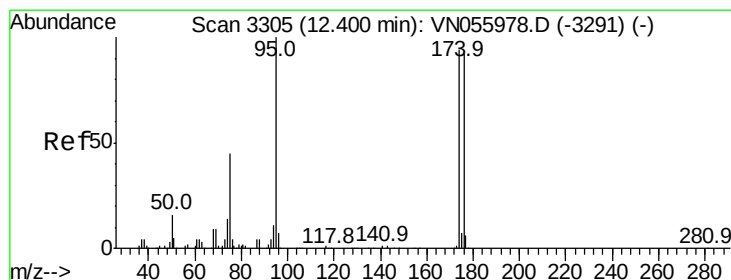
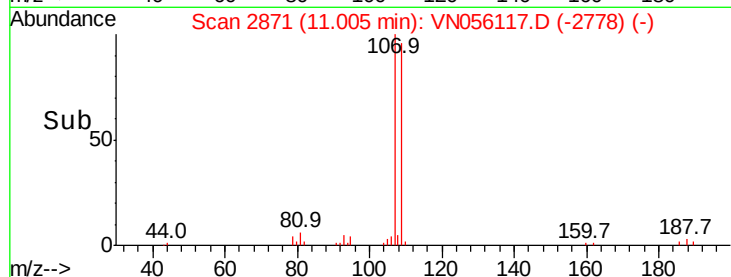
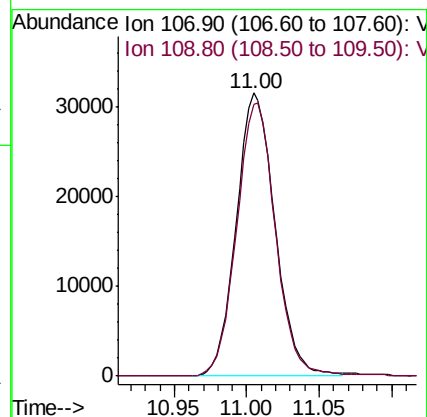
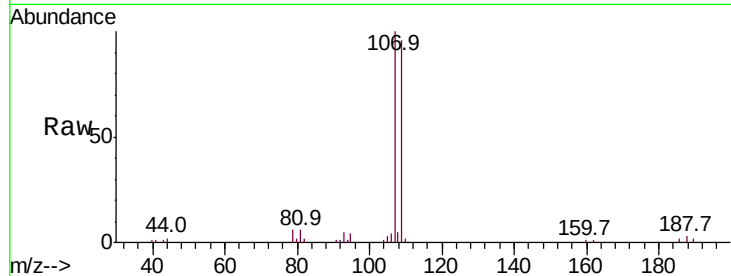
107 100

109 97.0 74.8 112.2

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#62

4-Bromofluorobenzene

Concen: 45.554 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

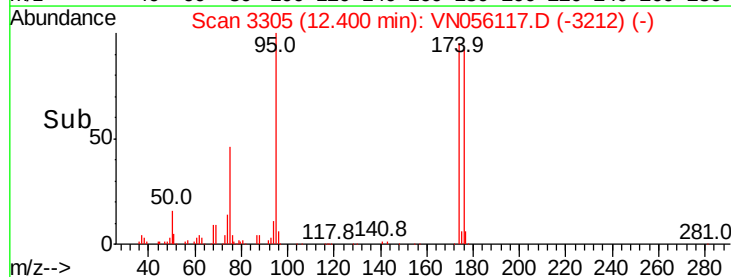
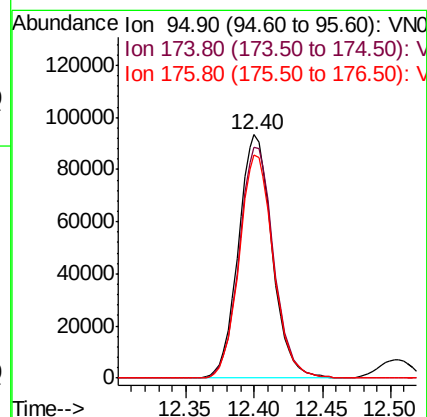
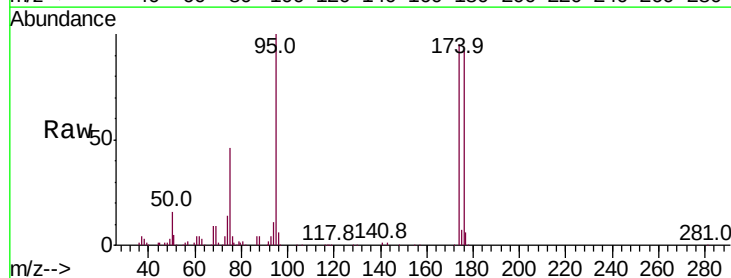
Tgt Ion: 95 Resp: 159819

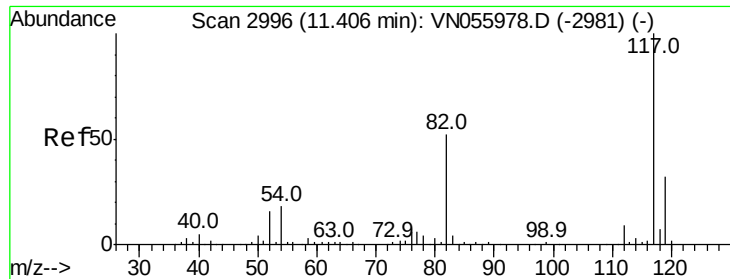
Ion Ratio Lower Upper

95 100

174 97.0 0.0 191.0

176 92.8 0.0 185.2





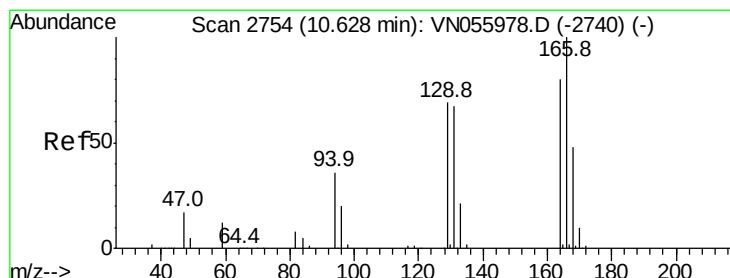
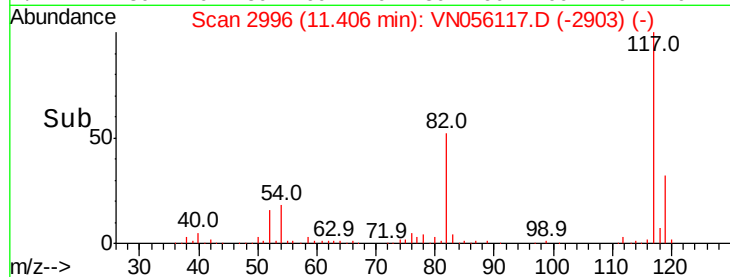
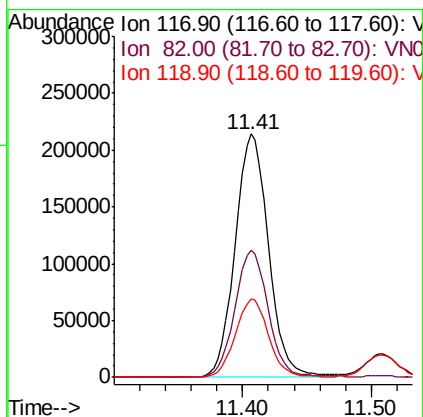
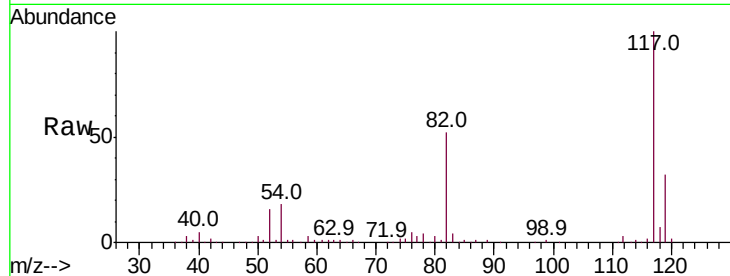
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	385985		
82	52.2		41.8	62.8
119	32.1		25.4	38.0

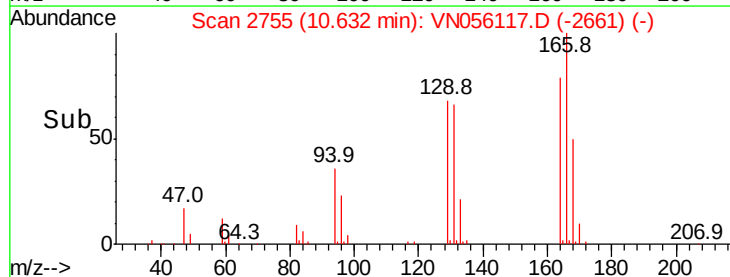
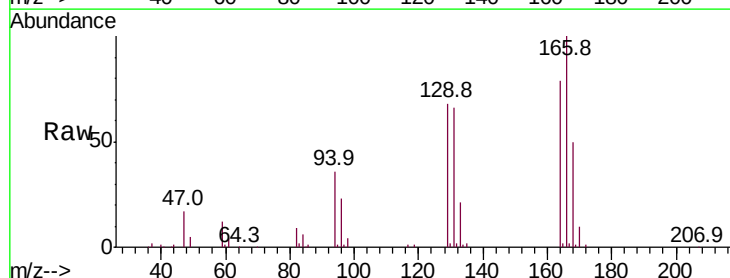
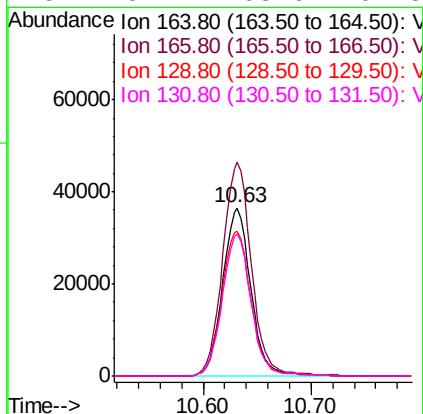
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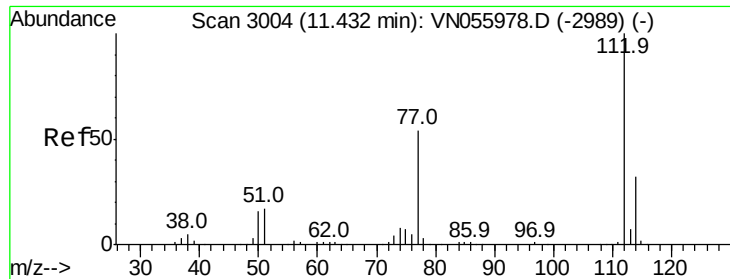
MMDadoda
6/10/2019 11:26:33 AM



#64
Tetrachloroethene
Concen: 19.858 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	66347		
166	127.3		103.0	154.6
129	86.3		70.6	105.8
131	84.4		68.6	102.8





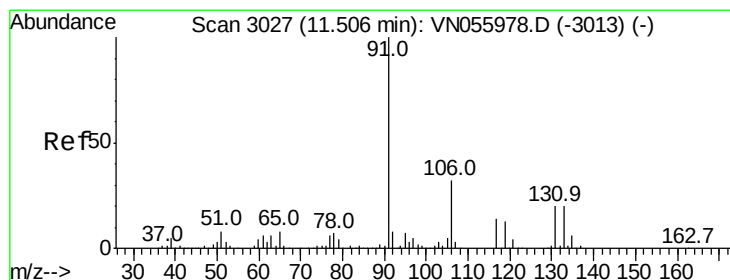
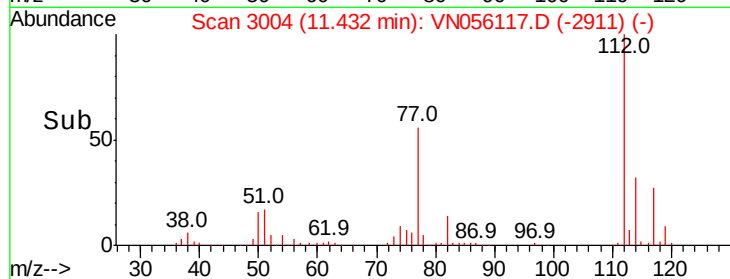
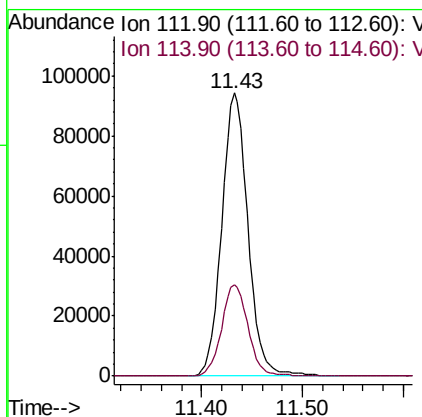
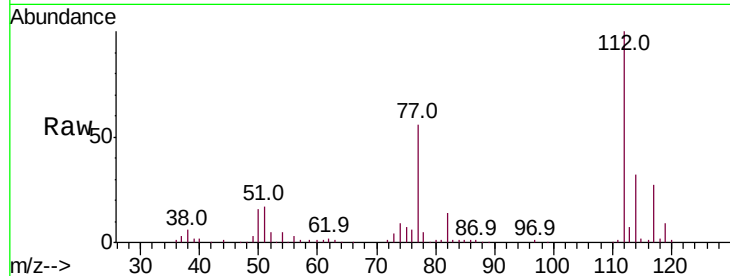
#65
Chlorobenzene
Concen: 22.299 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampled :
VN0608WBS03

Tot Ion:112 Resp: 171297
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4

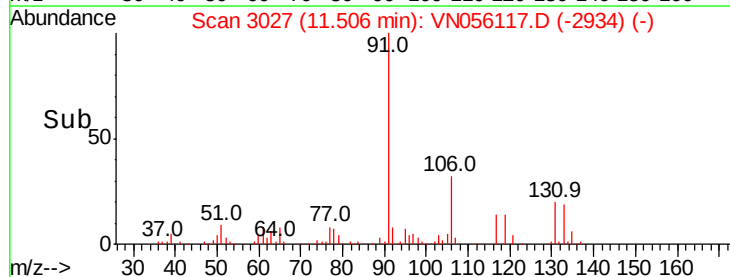
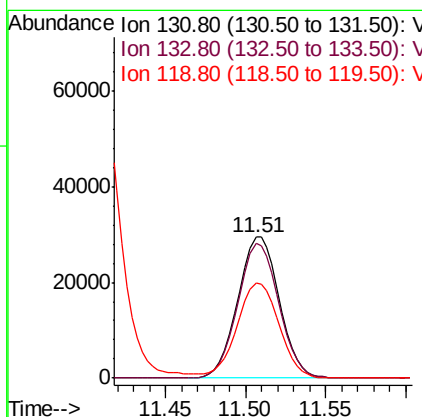
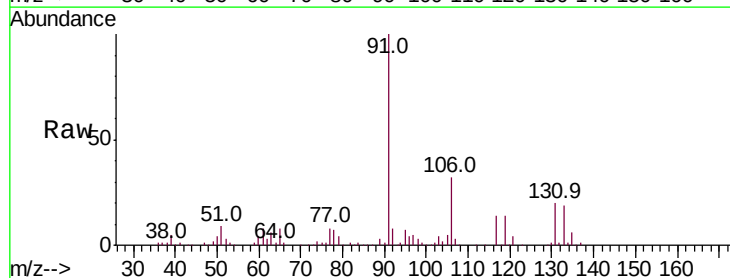
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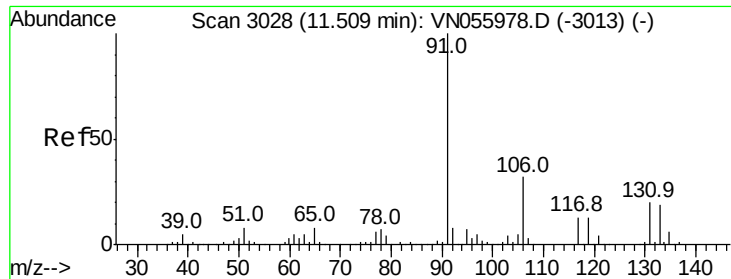
MMDadoda
6/10/2019 11:26:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.699 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion:131 Resp: 52252
Ion Ratio Lower Upper
131 100
133 94.3 48.0 144.0
119 68.7 33.1 99.5





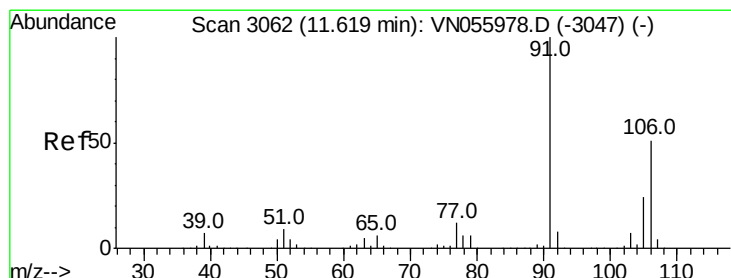
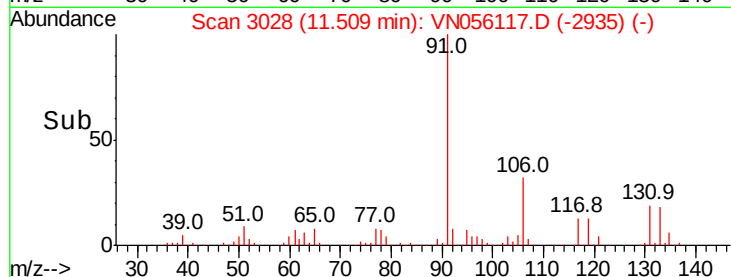
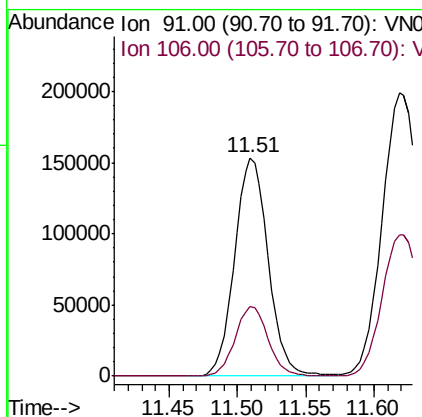
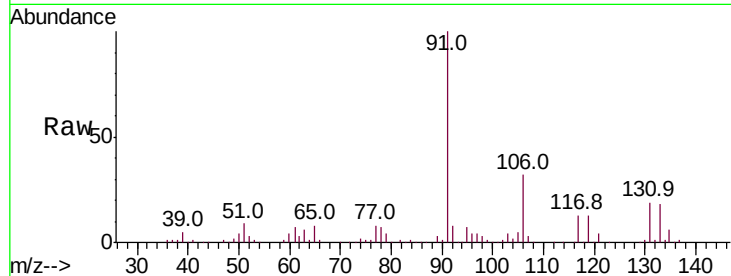
#67
Ethyl Benzene
Concen: 19.624 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampled :
VN0608WBS03

Tot Ion: 91 Resp: 262127
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7

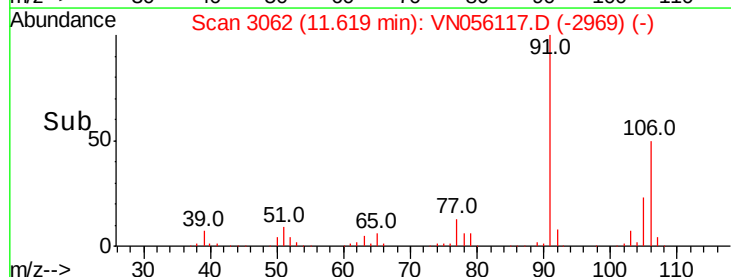
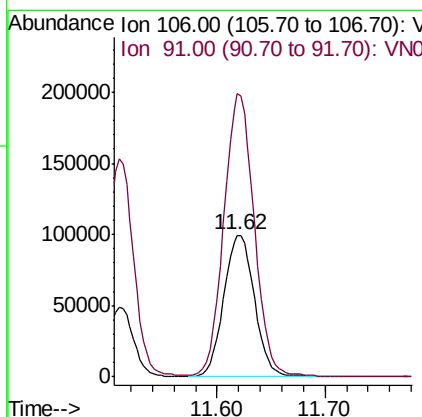
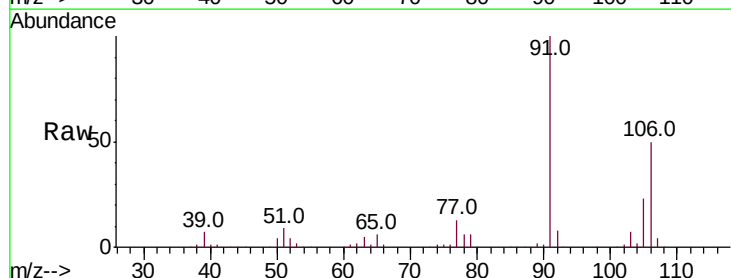
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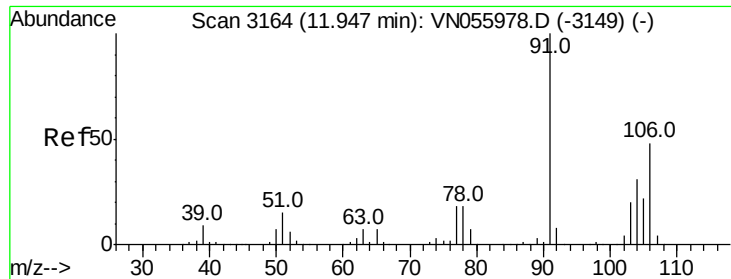
MMDadoda
6/10/2019 11:26:33 AM



#68
m/p-Xylenes
Concen: 38.769 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 106 Resp: 197826
Ion Ratio Lower Upper
106 100
91 197.6 159.3 238.9





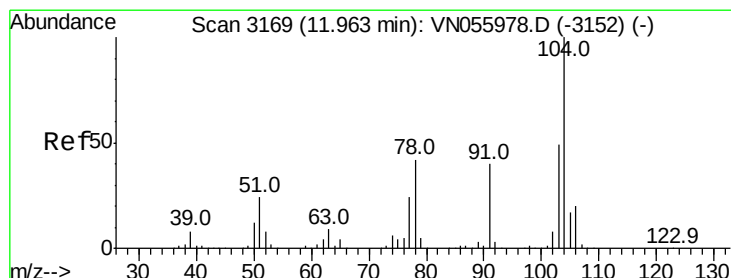
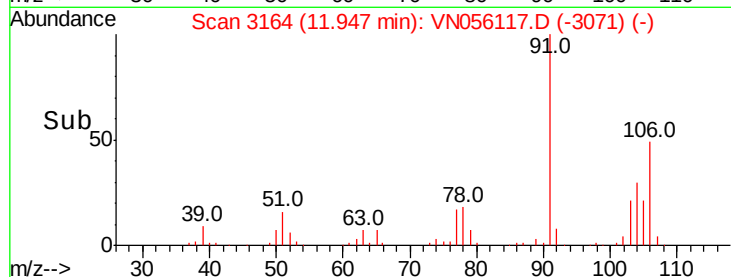
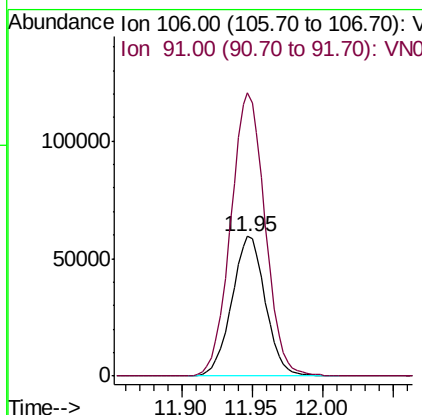
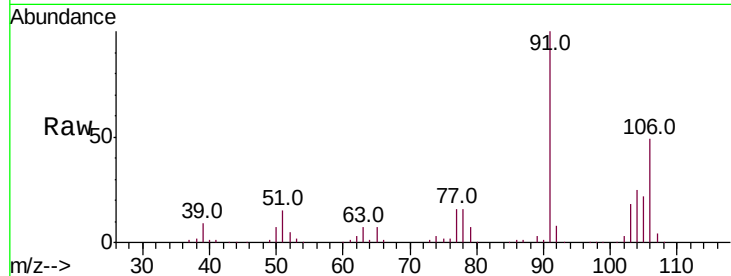
#69
o-Xylene
Concen: 19.729 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampled :
VN0608WBS03

Tot Ion:106 Resp: 99029
Ion Ratio Lower Upper
106 100
91 207.5 104.7 314.1

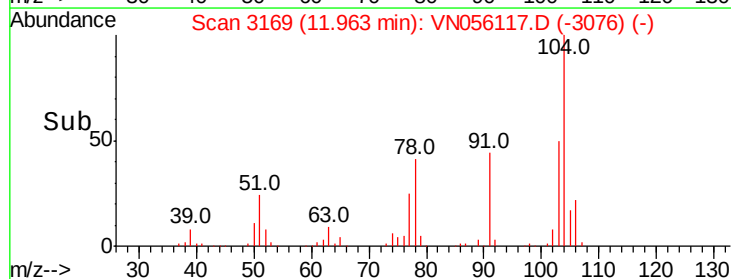
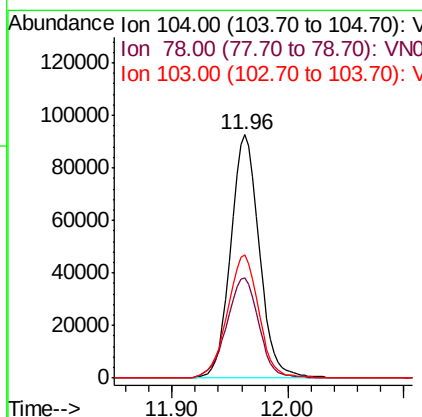
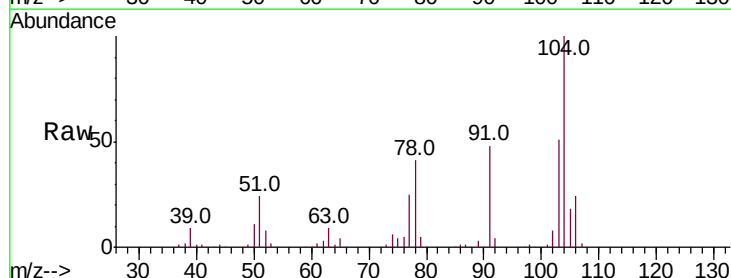
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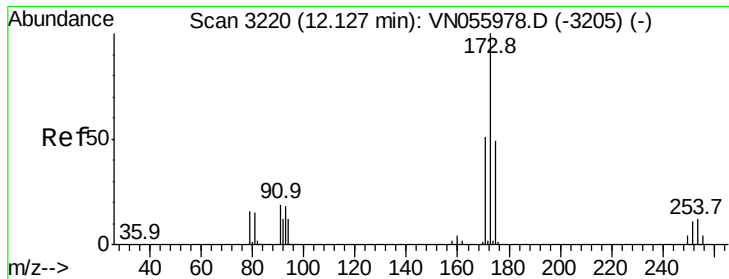
MMDadoda
6/10/2019 11:26:33 AM



#70
Styrene
Concen: 19.750 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion:104 Resp: 157504
Ion Ratio Lower Upper
104 100
78 46.4 37.8 56.6
103 55.7 44.2 66.2





#71

Bromoform

Concen: 17.105 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

VN0608WBS03

Tot Ion:173 Resp: 33840

Ion Ratio Lower Upper

173 100

175 49.5 24.3 72.8

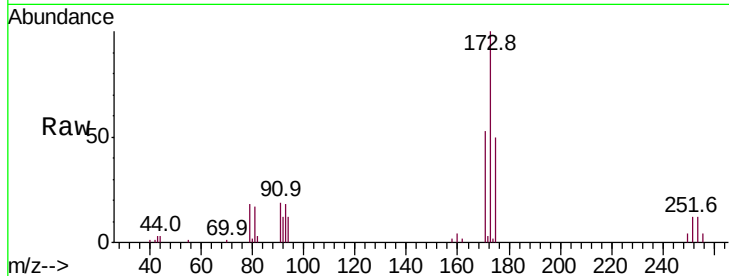
254 0.0 0.0 0.0

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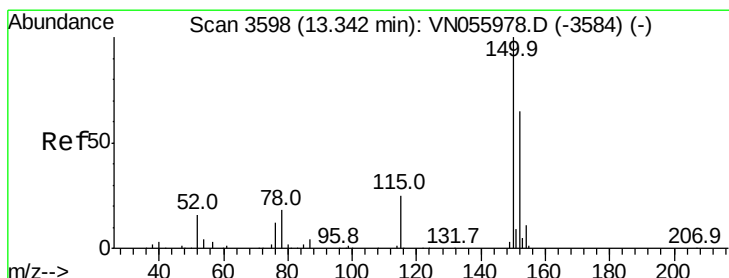
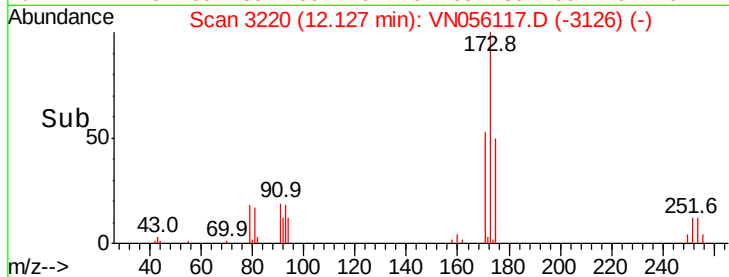
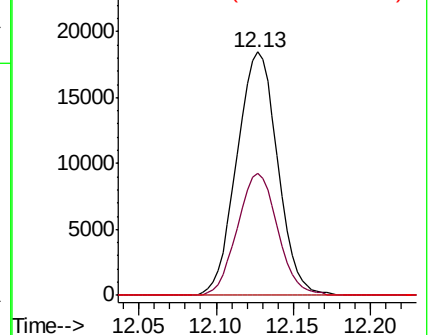
6/10/2019 11:26:33 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

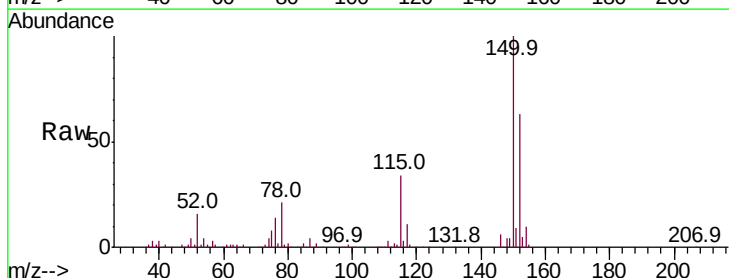
Tgt Ion:152 Resp: 154236

Ion Ratio Lower Upper

152 100

115 53.0 27.0 81.0

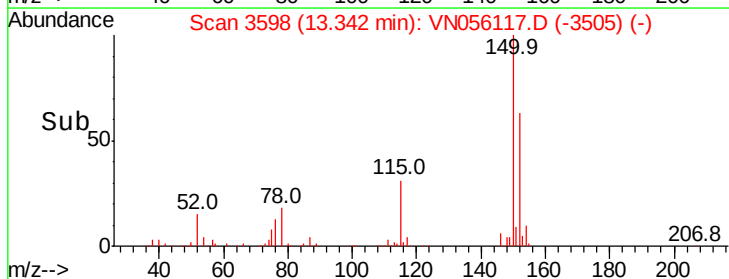
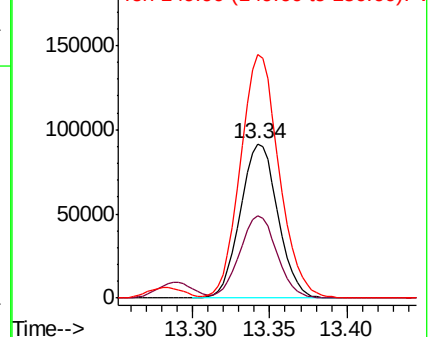
150 162.7 0.0 343.2

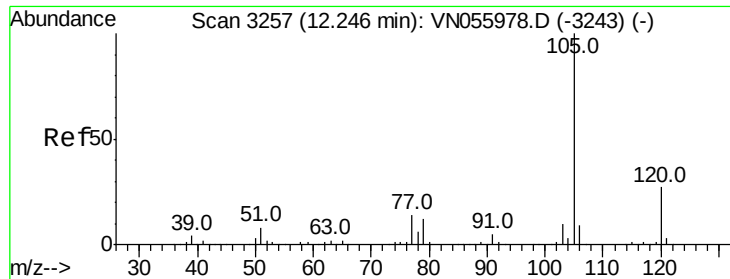


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.129 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS03

Tot Ion:105 Resp: 258112

Ion Ratio Lower Upper

105 100

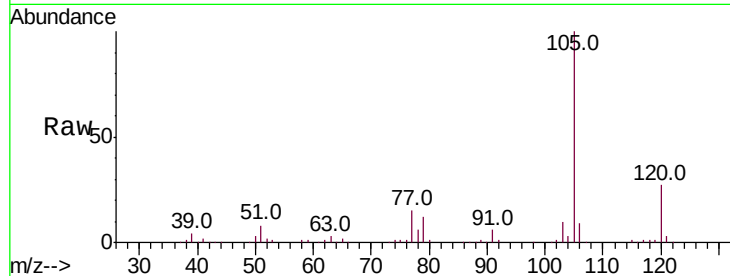
120 27.0 13.6 40.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

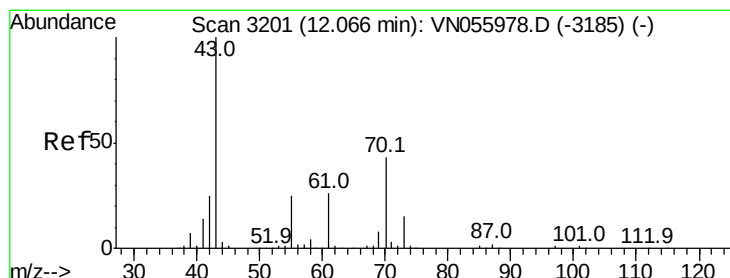
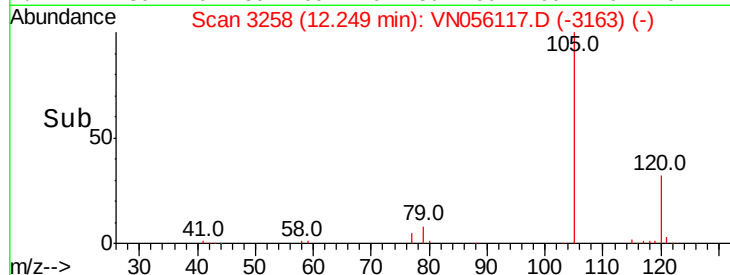
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 21.193 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Tgt Ion: 43 Resp: 87132

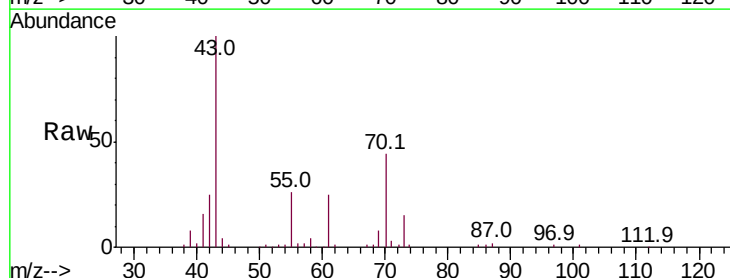
Ion Ratio Lower Upper

43 100

70 43.2 34.0 51.0

55 26.4 18.6 28.0

61 25.0 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.07

80000

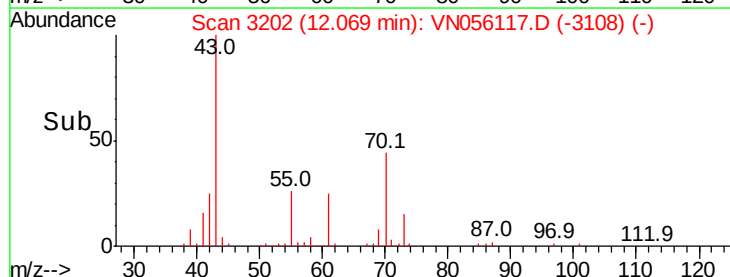
60000

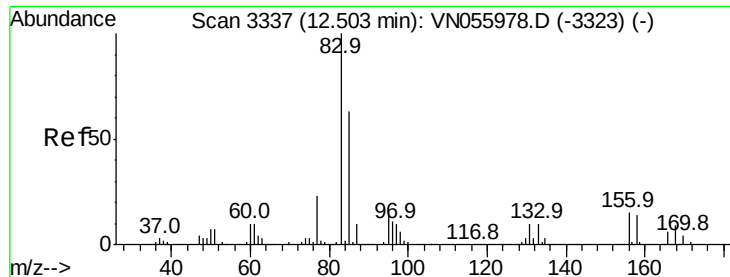
40000

20000

0

Time--> 12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 22.416 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

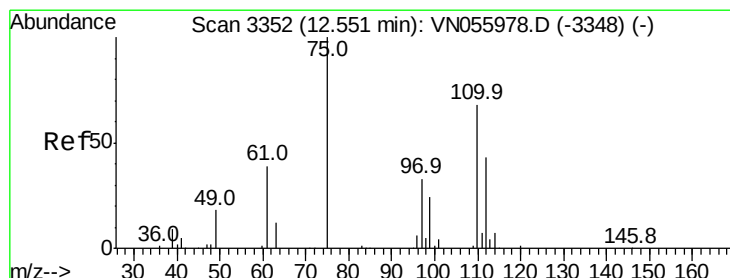
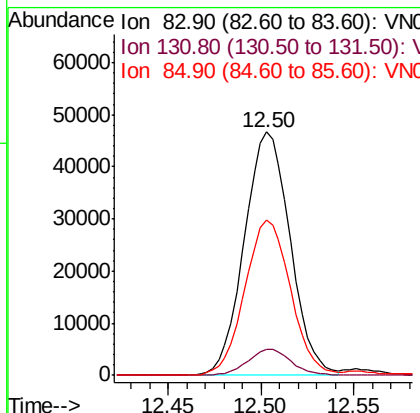
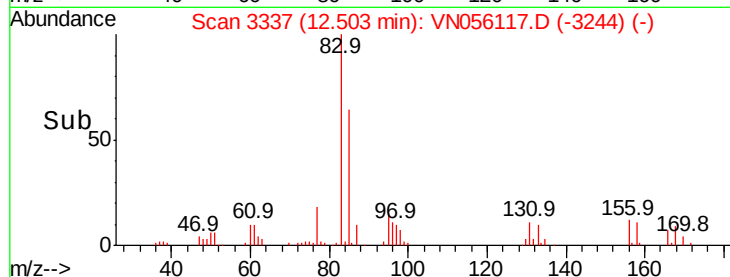
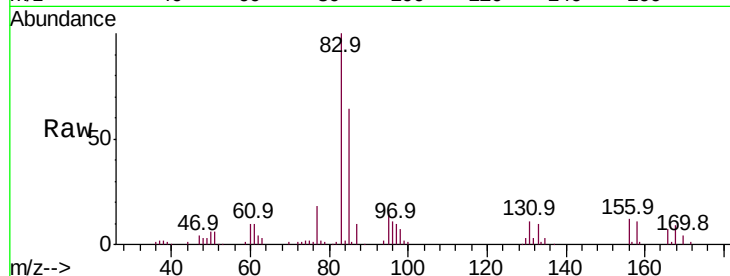
ClientSampleId :

VN0608WBS03

Tot Ion:	83	Resp:	80261
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.4	16.2
85	63.6	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.122 ug/l m

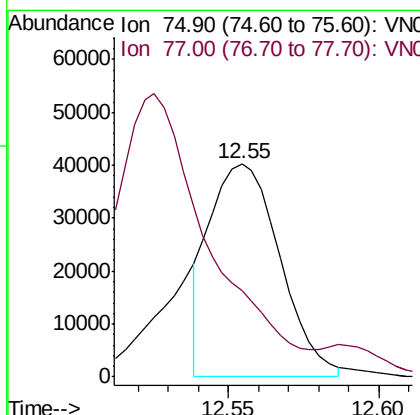
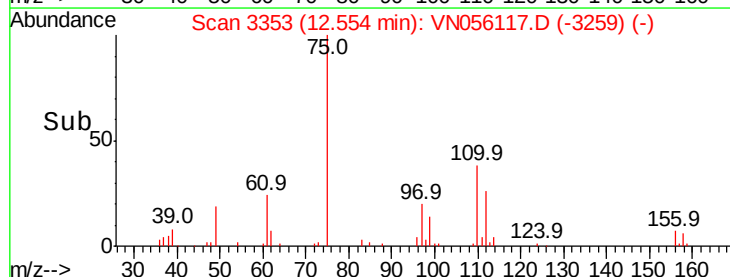
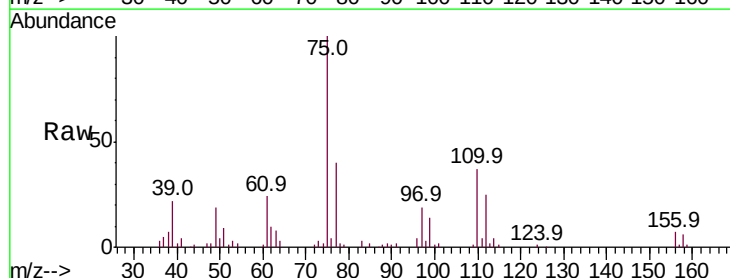
RT: 12.55 min Scan# 3353

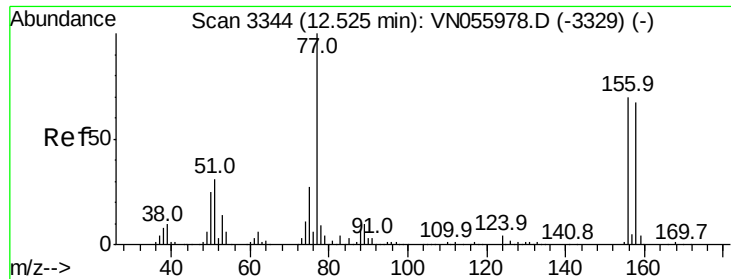
Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Tgt Ion:	75	Resp:	65620
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.018 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

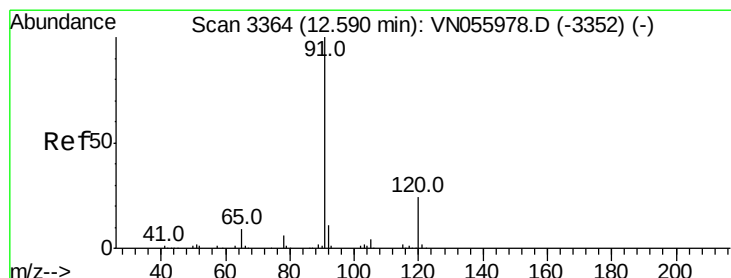
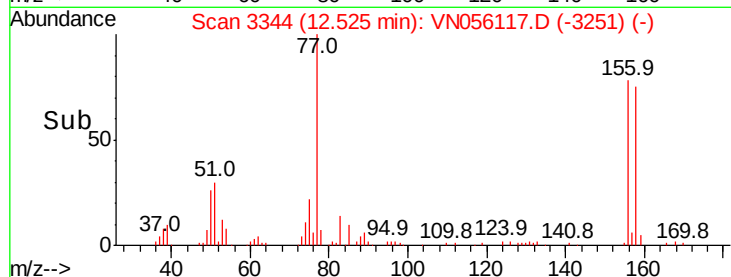
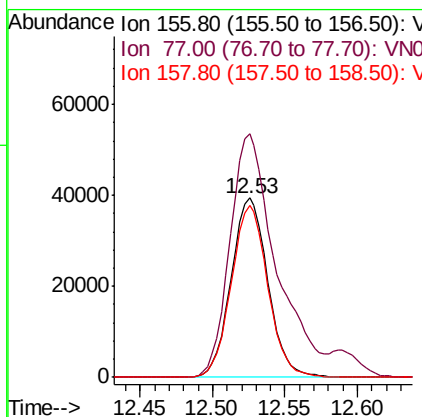
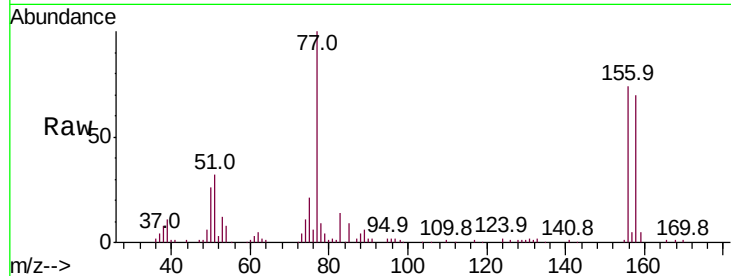
ClientSampleId :

VN0608WBS03

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.1	90.8	272.5
158	95.0	49.3	147.8

Manual Integrations
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6/10/2019 11:26:33 AM



#78

n-propylbenzene

Concen: 20.091 ug/l

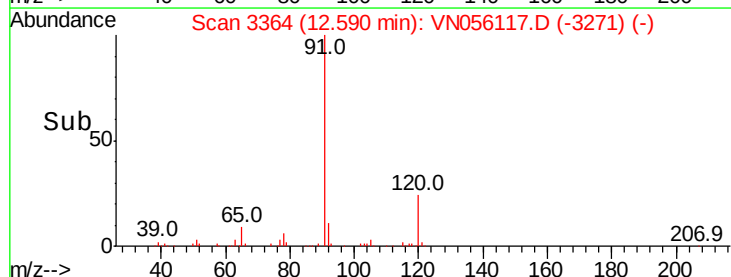
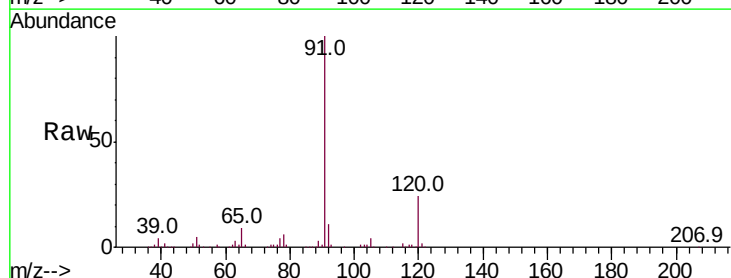
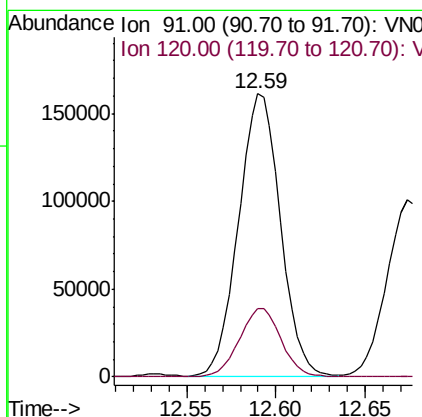
RT: 12.59 min Scan# 3364

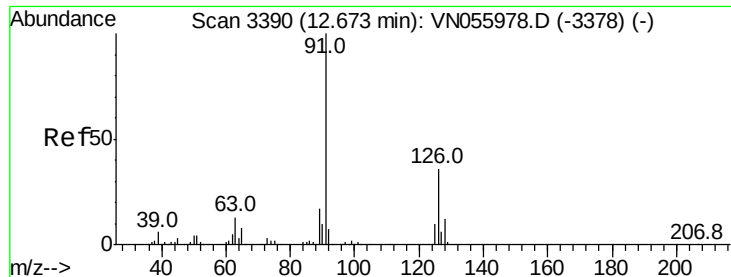
Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.0	36.0





#79

2-Chlorotoluene

Concen: 21.853 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS03

Tot Ion: 91 Resp: 167621

Ion Ratio Lower Upper

91 100

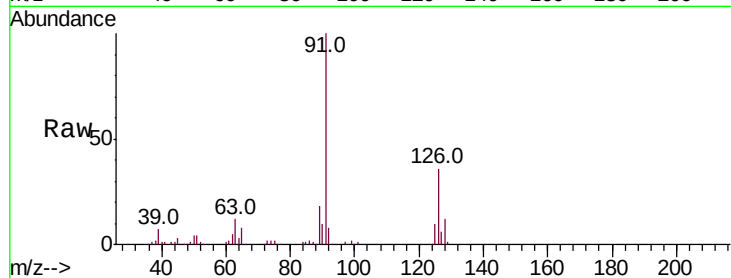
126 36.3 18.1 54.4

Manual Integrations

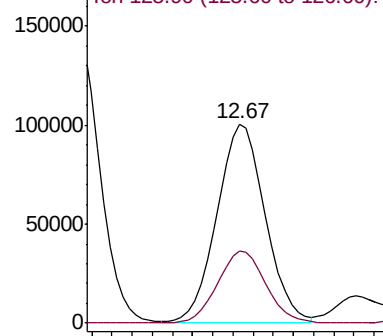
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MMDadoda

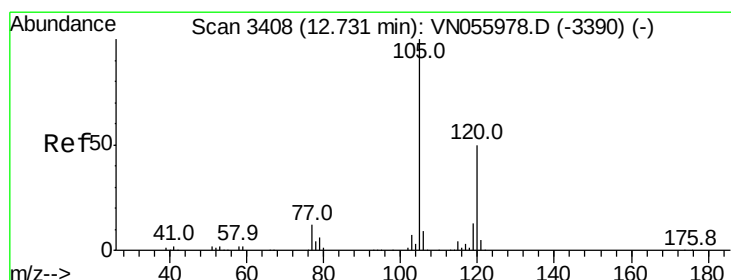
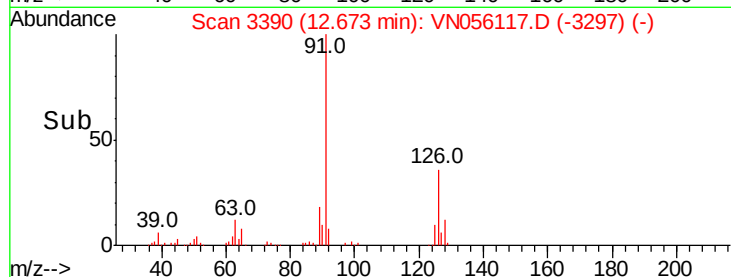
6/10/2019 11:26:33 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056117.D (-3297) (-)



Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 20.244 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056117.D

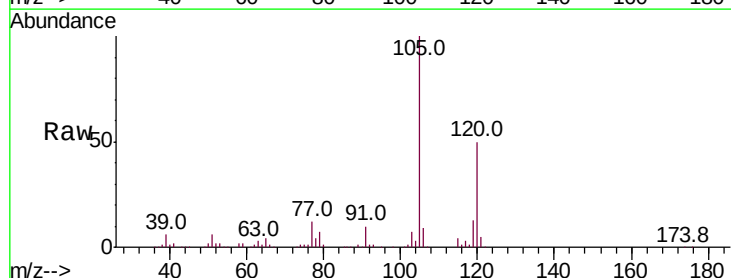
Acq: 7 Jun 2019 23:06

Tgt Ion: 105 Resp: 209930

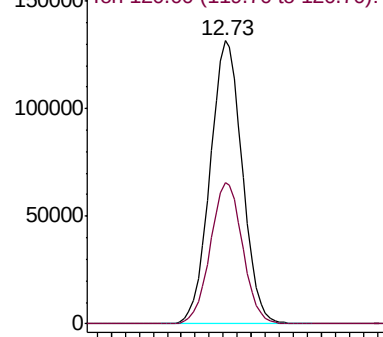
Ion Ratio Lower Upper

105 100

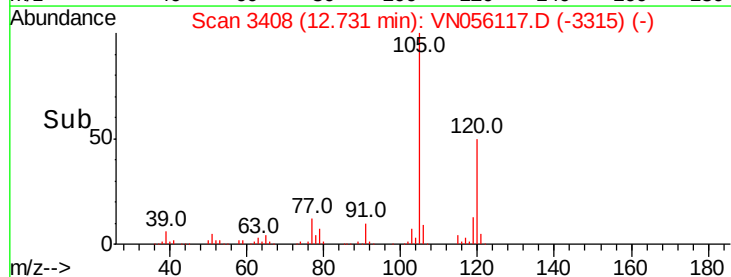
120 50.1 24.7 74.1

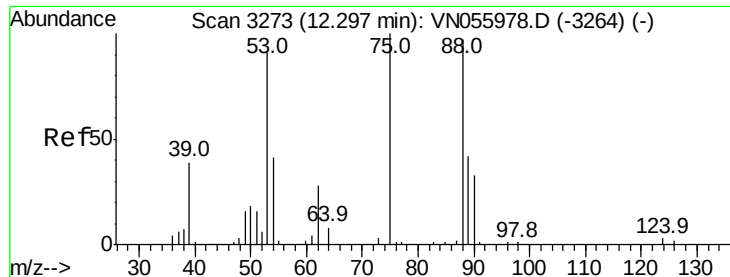


Abundance Ion 105.00 (104.70 to 105.70): VN056117.D (-3315) (-)



Time--> 12.65 12.70 12.75 12.80





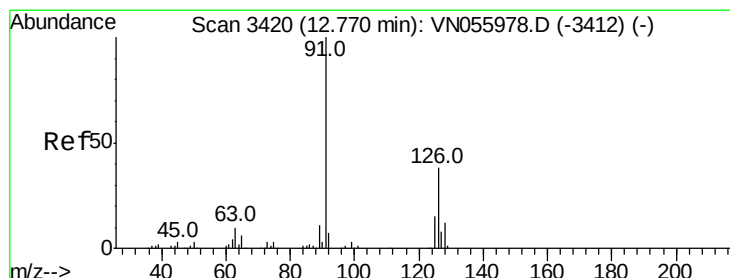
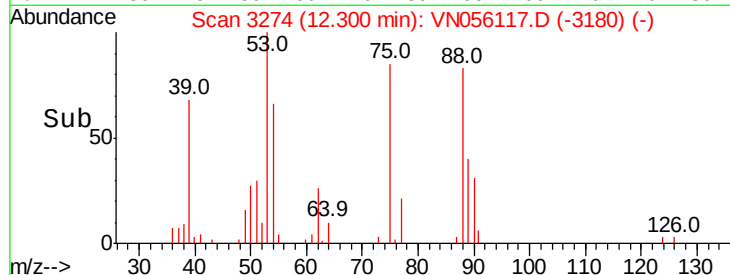
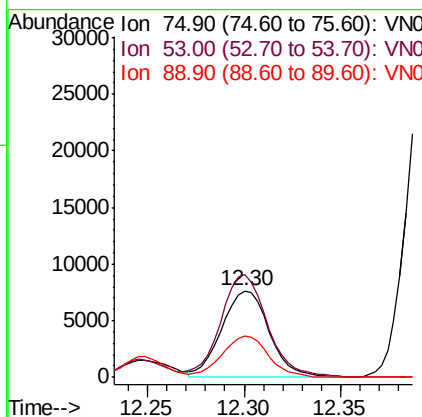
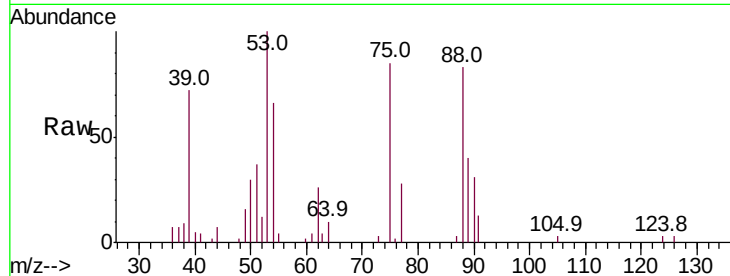
#81
trans-1,4-Dichloro-2-butene
Concen: 15.380 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS03

Tot Ion: 75 Resp: 13107
Ion Ratio Lower Upper
75 100
53 117.4 68.1 102.1#
89 46.3 36.9 55.3

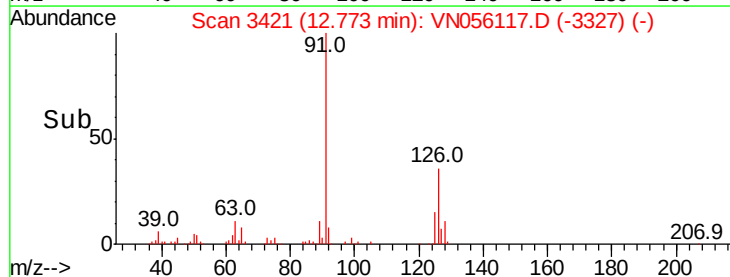
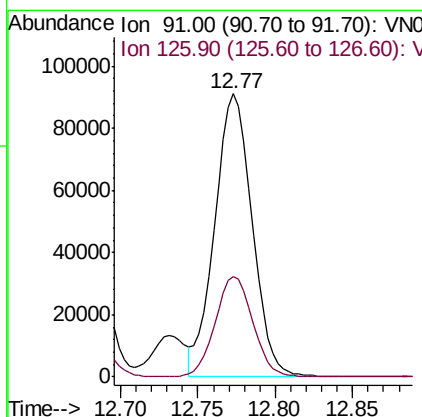
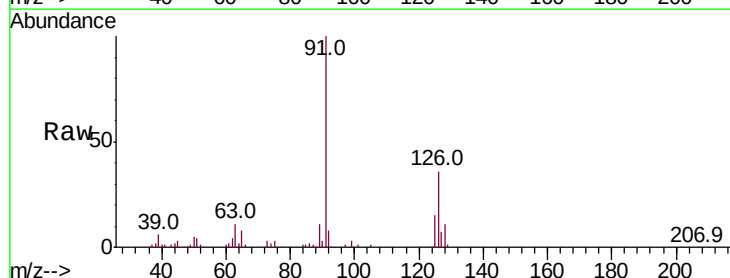
Manual Integrations
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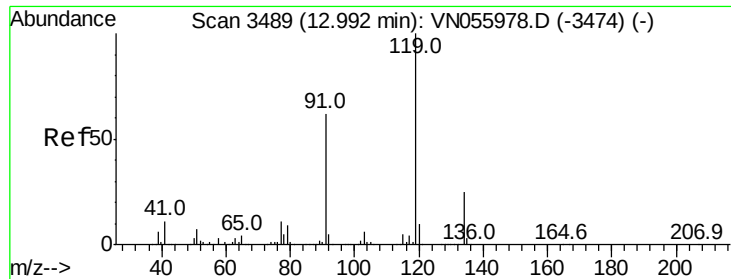
MMDadoda
6/10/2019 11:26:33 AM



#82
4-Chlorotoluene
Concen: 20.085 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 91 Resp: 153322
Ion Ratio Lower Upper
91 100
126 35.6 17.8 53.3





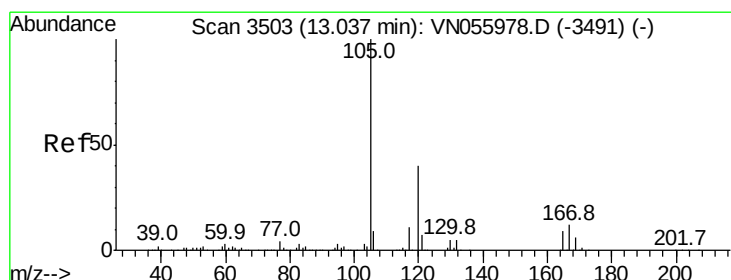
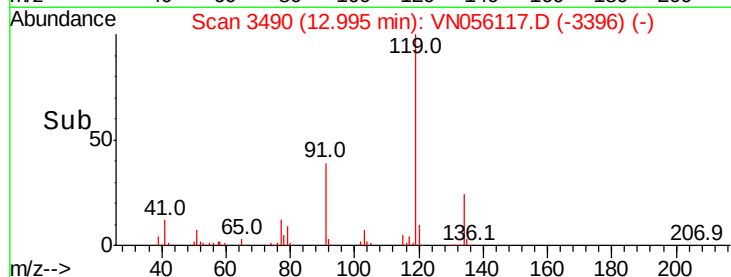
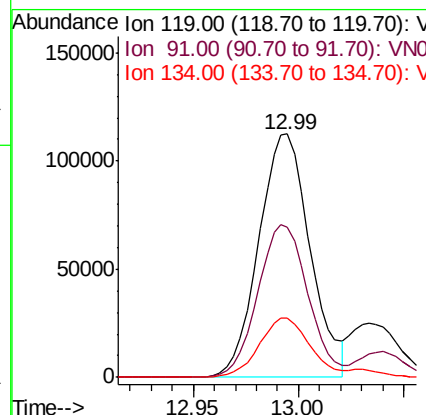
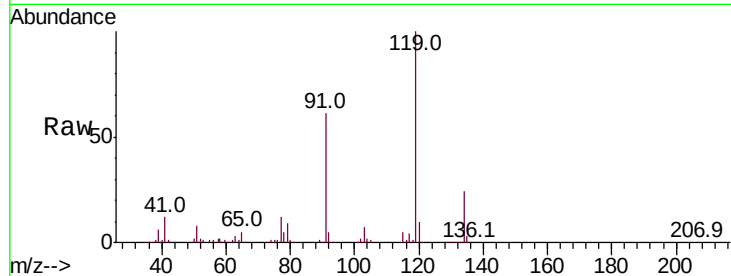
#83
 tert-Butylbenzene
 Concen: 22.183 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	190698		
91	61.1	30.9	92.8	
134	24.2	13.3	39.8	

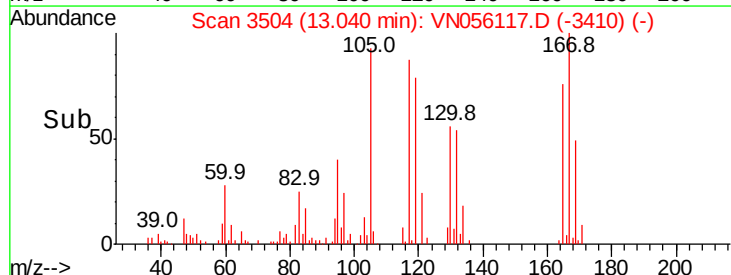
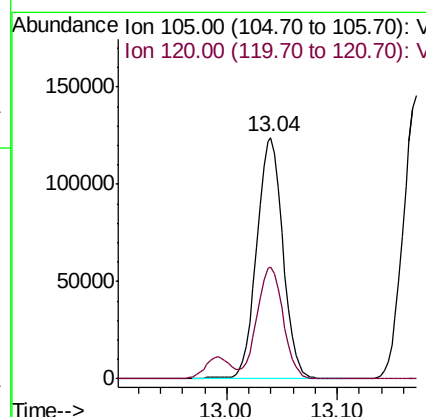
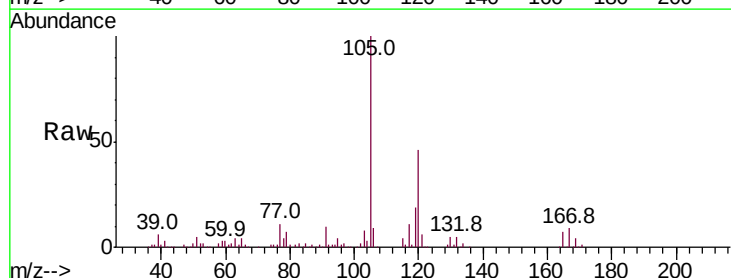
Manual Integrations
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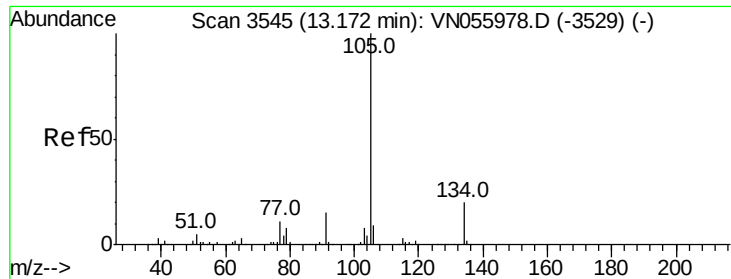
MMDadoda
 6/10/2019 11:26:33 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.731 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	203866		
120	46.4	23.0	69.0	





#85

sec-Butylbenzene

Concen: 20.426 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS03

Tot Ion:105 Resp: 236027

Ion Ratio Lower Upper

105 100

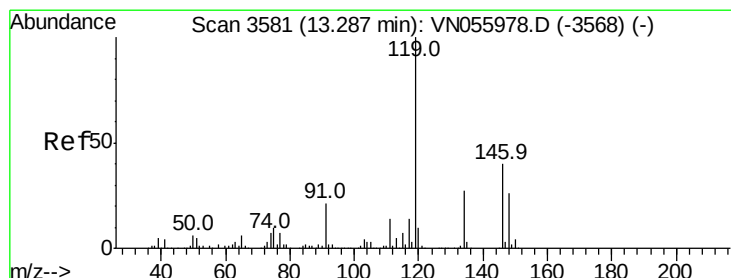
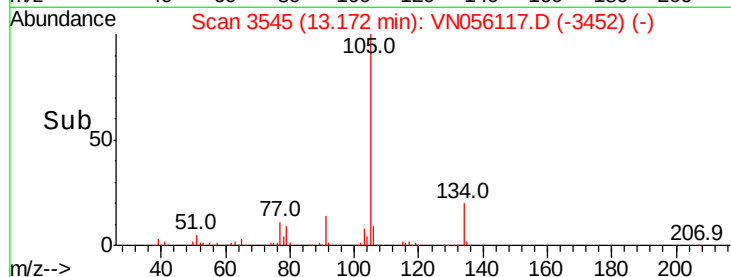
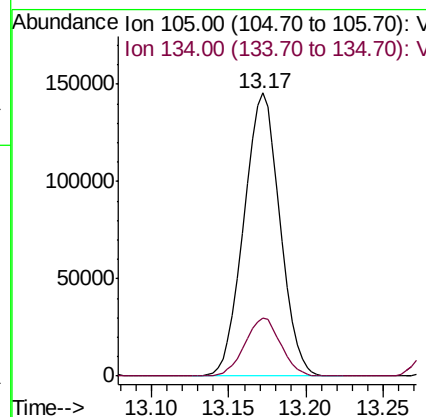
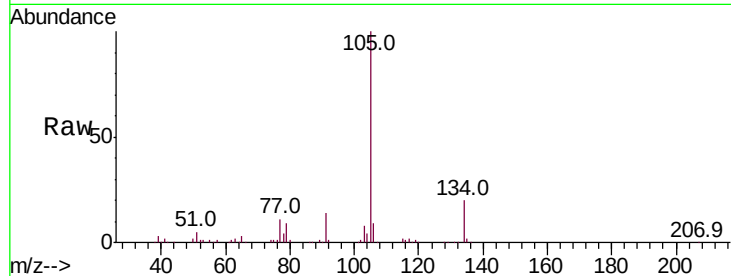
134 20.5 10.4 31.2

Manual Integrations

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MMDadoda

6/10/2019 11:26:33 AM



#86

p-Isopropyltoluene

Concen: 19.953 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

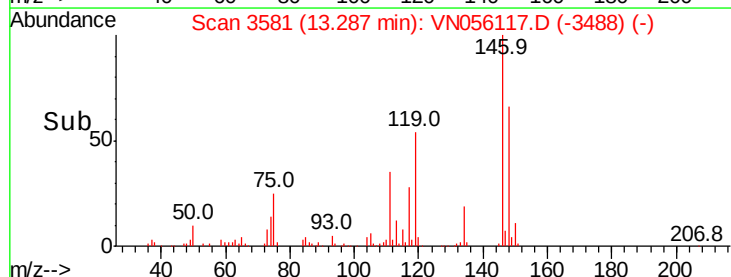
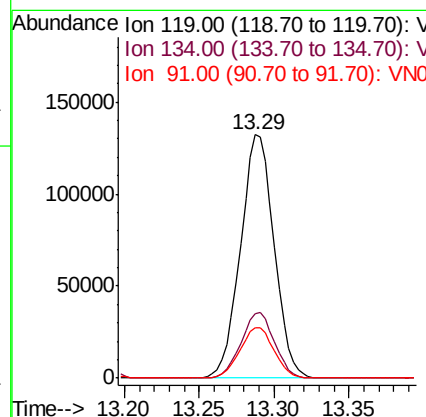
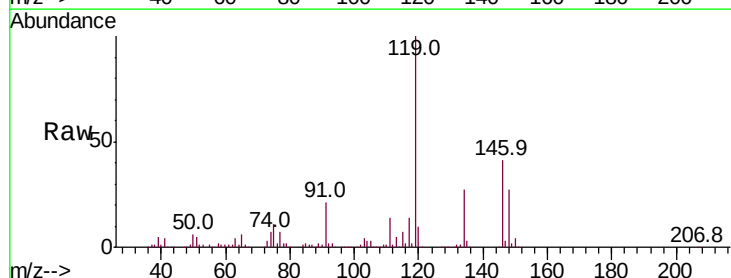
Tgt Ion:119 Resp: 206346

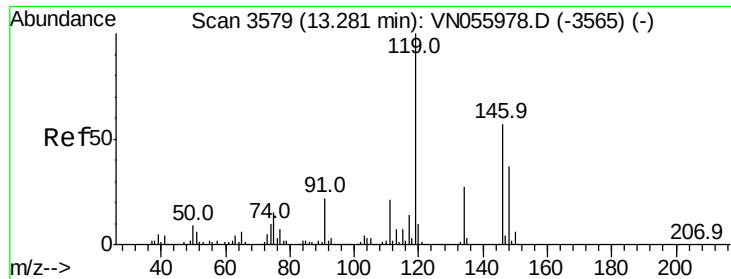
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 21.2 10.9 32.9





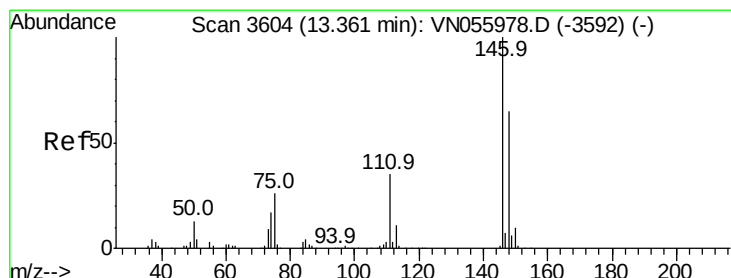
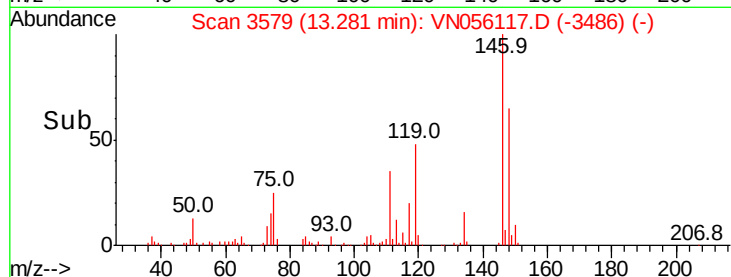
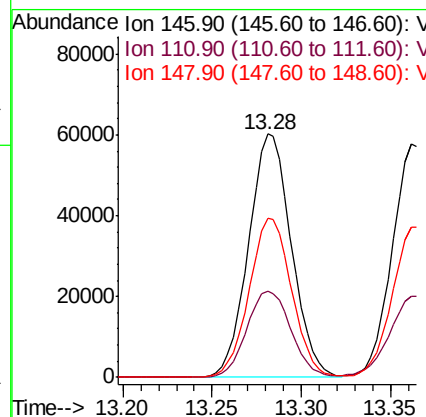
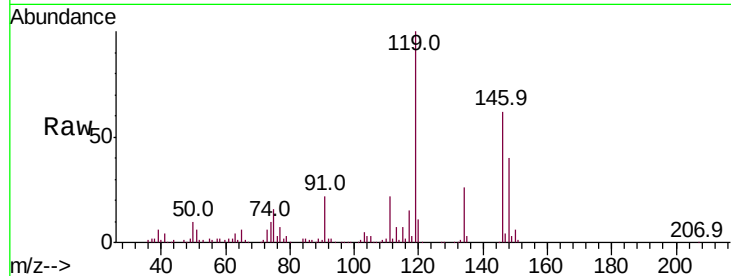
#87
 1,3-Dichlorobenzene
 Concen: 19.733 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Instrument :
 MSVOA_N
 ClientSampled :
 VN0608WBS03

Tot Ion	Ratio	Resp	Lower	Upper
146	100	100851		
111	36.5	18.5	55.5	
148	64.9	32.0	96.2	

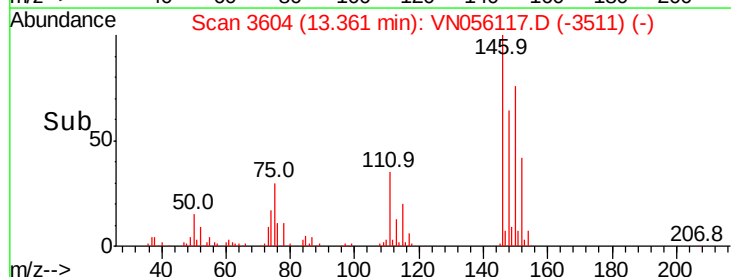
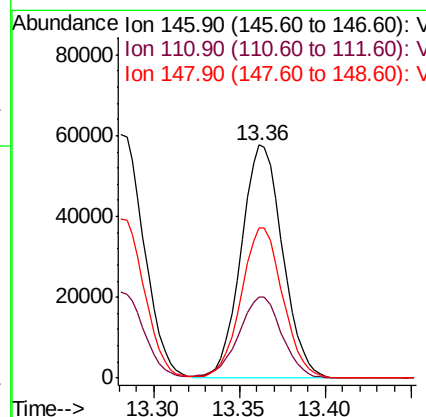
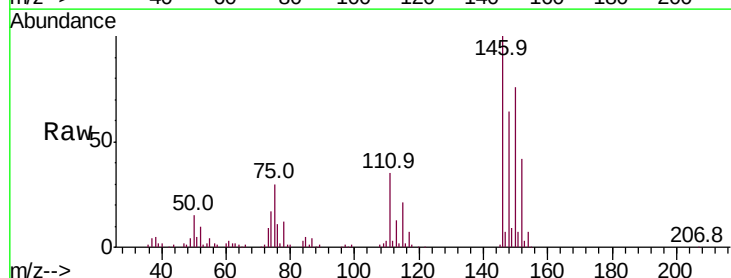
Manual Integrations
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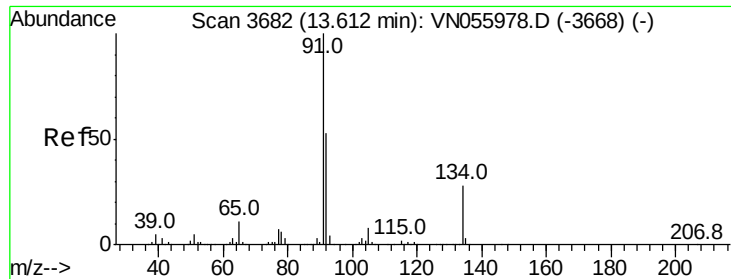
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#88
 1,4-Dichlorobenzene
 Concen: 19.729 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	96997		
111	36.5	18.1	54.4	
148	64.7	32.1	96.5	





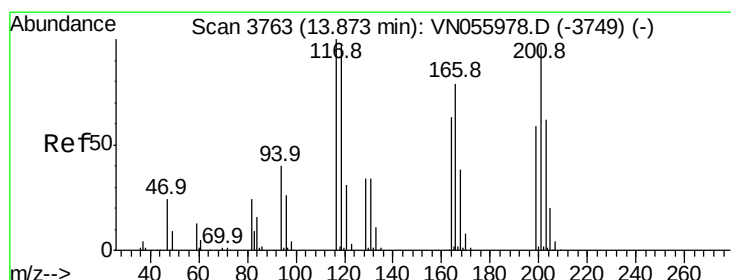
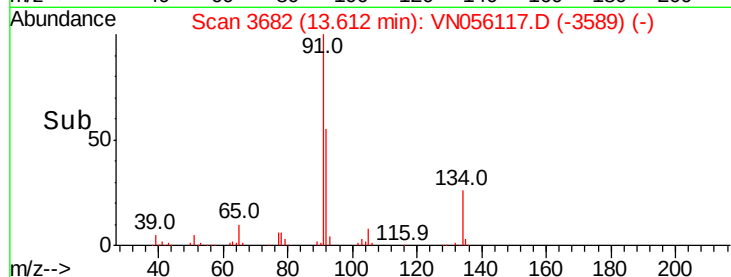
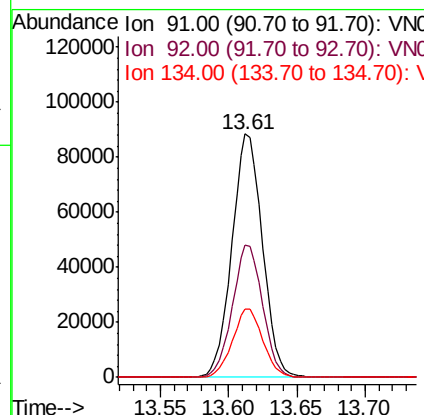
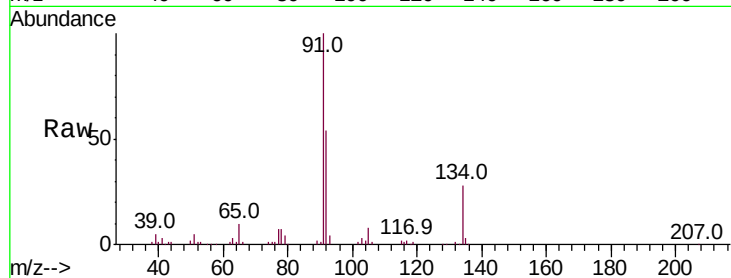
#89
n-Butylbenzene
Concen: 17.919 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.4	79.0
134	27.8	13.9	41.7

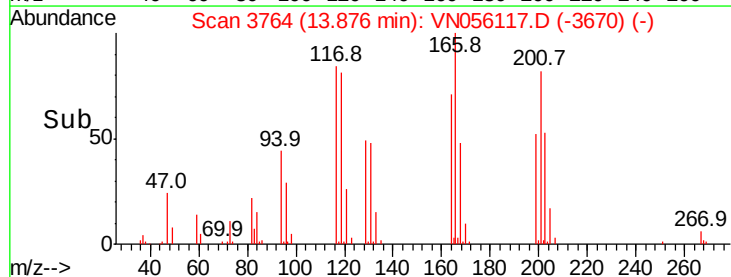
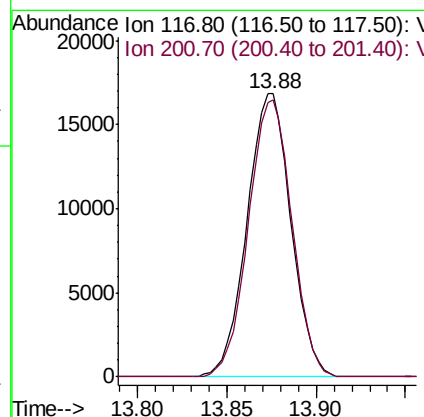
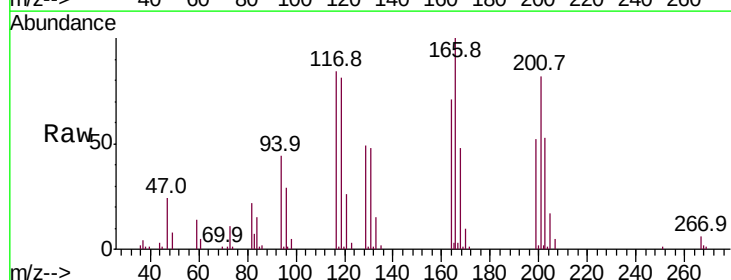
Manual Integrations
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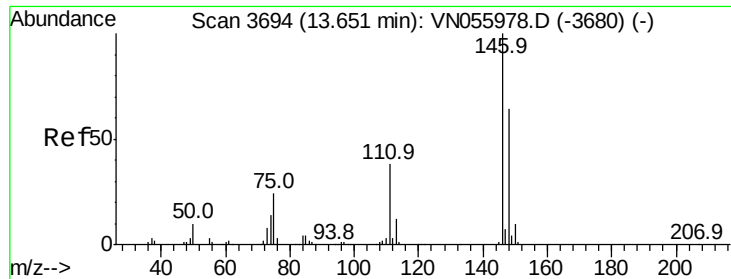
MMDadoda
6/10/2019 11:26:33 AM



#90
Hexachloroethane
Concen: 18.599 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.8	50.0	150.0





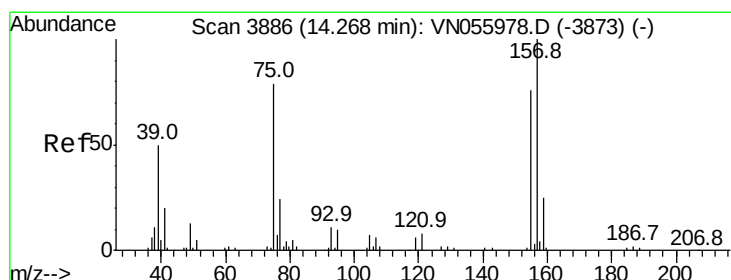
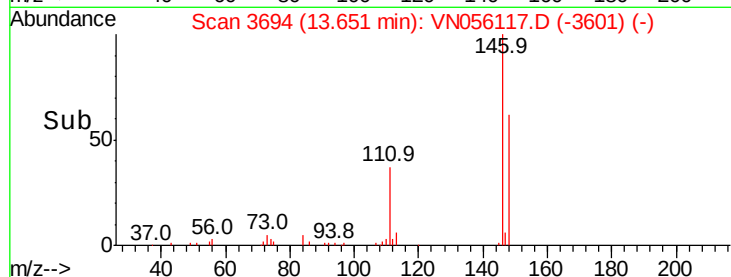
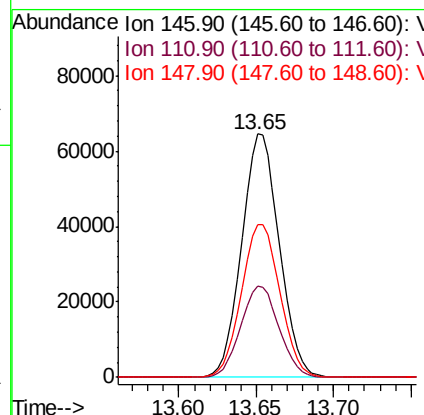
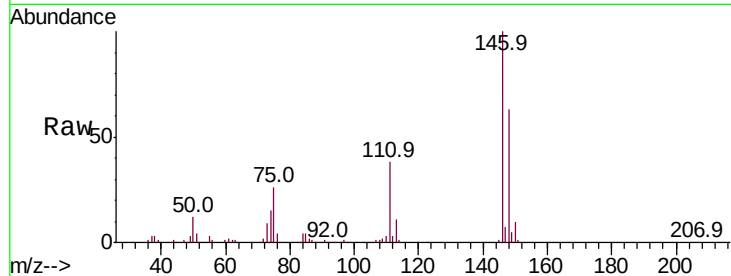
#91
 1,2-Dichlorobenzene
 Concen: 21.124 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.5
148	64.3	31.9	95.9

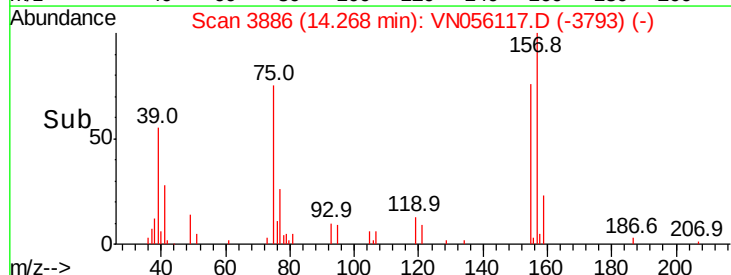
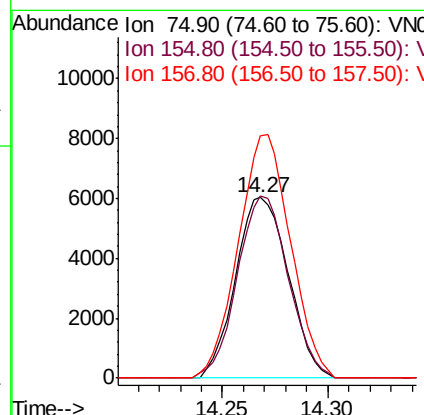
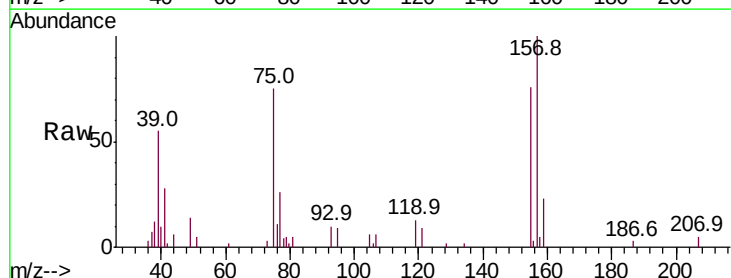
Manual Integrations
 APPROVED

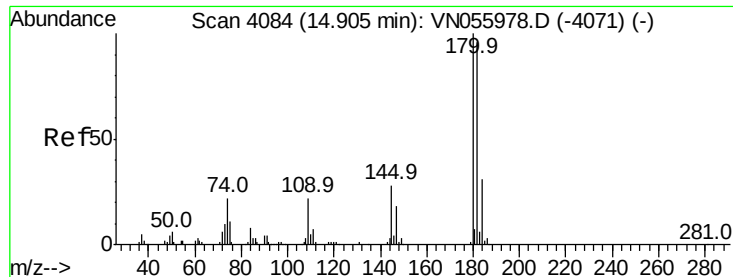
MMDadoda
 6/10/2019 11:26:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.468 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	50.0	150.1
157	133.5	64.8	194.3





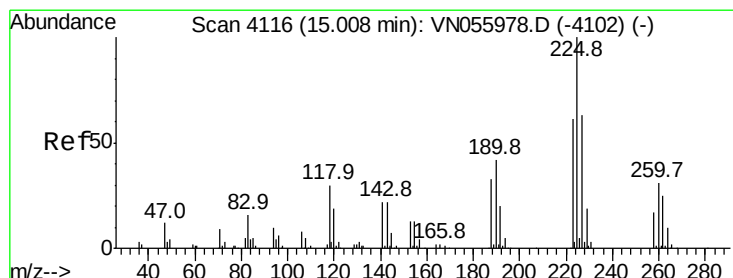
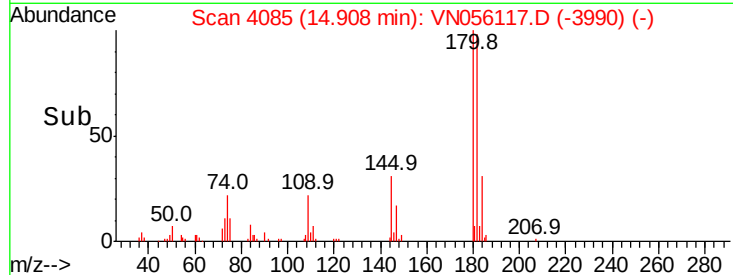
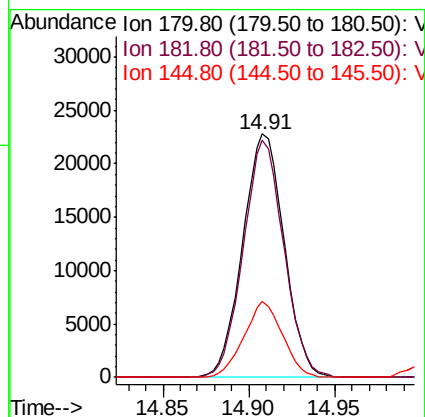
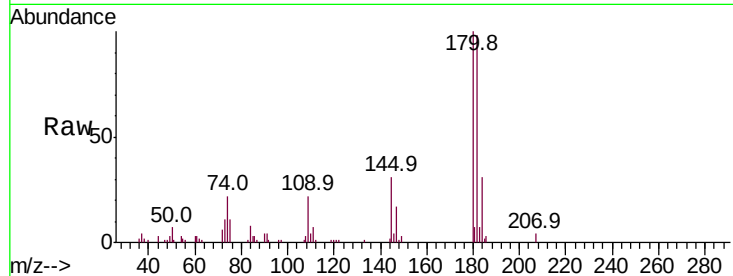
#93
1,2,4-Trichlorobenzene
Concen: 16.527 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.9	48.3	144.9	
145	28.9	14.0	41.9	

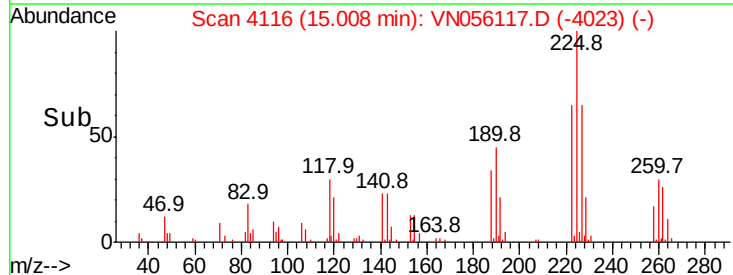
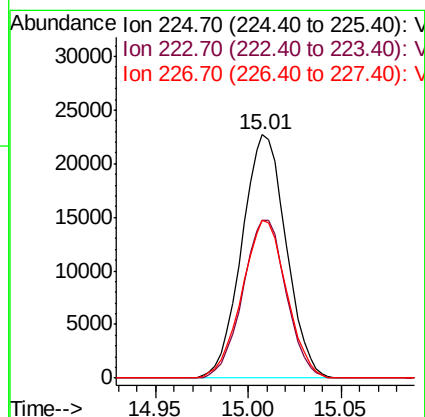
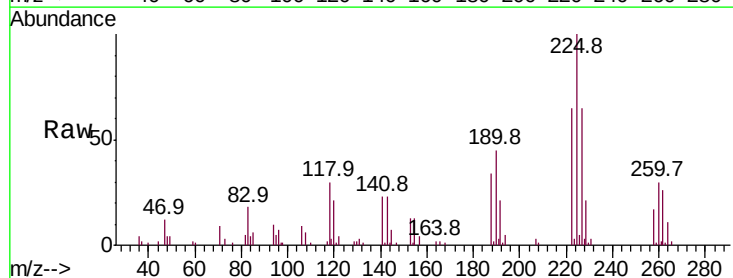
Manual Integrations
APPROVED

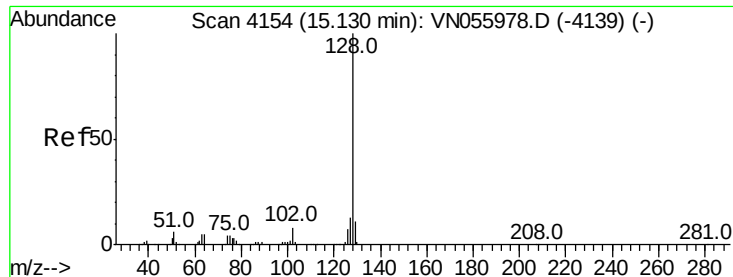
MMDadoda
6/10/2019 11:26:33 AM



#94
Hexachlorobutadiene
Concen: 19.984 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.4	30.9	92.7	
227	65.0	31.6	94.7	





#95

Naphthalene

Concen: 17.153 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

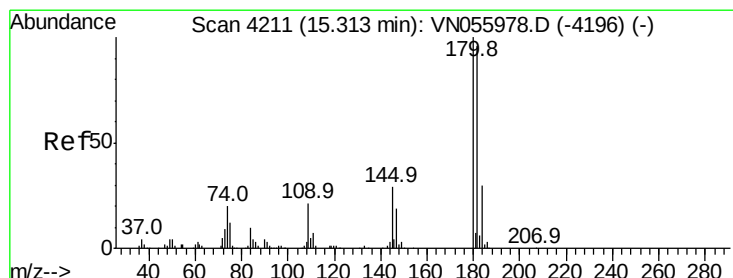
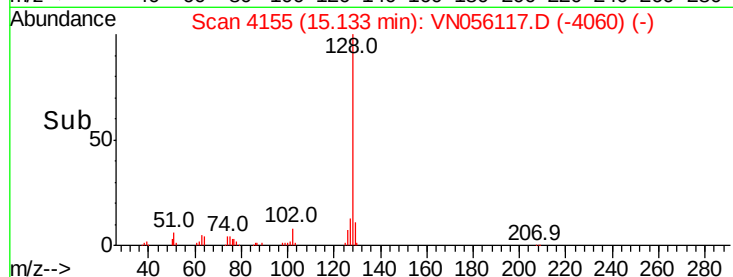
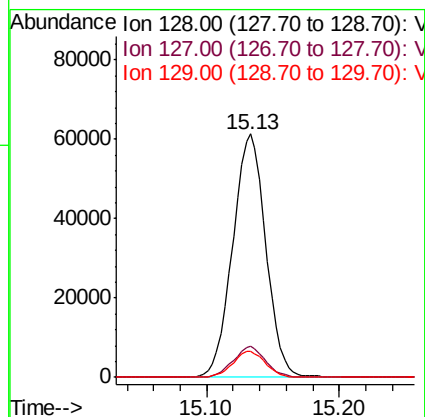
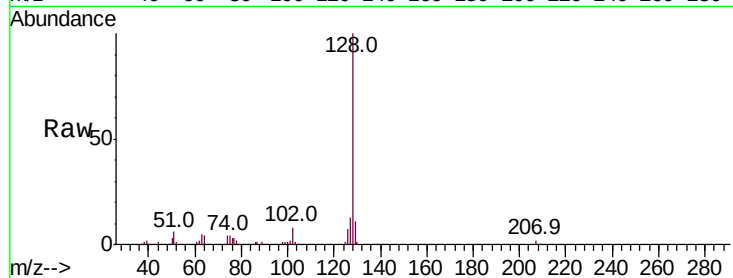
ClientSampled :

VN0608WBS03

Tot Ion:	128	Resp:	106321
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.3	15.5
129	10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/10/2019 11:26:33 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.575 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Tgt Ion:	180	Resp:	44864
Ion Ratio	Lower	Upper	
180	100		
182	98.2	47.9	143.7
145	29.8	14.9	44.7

