

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061419\
 Data File : VN056303.D
 Acq On : 14 Jun 2019 10:37
 Operator : JC/SP
 Sample : VN0614WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0614WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 9:45:57 AM

Quant Time: Jun 14 11:18:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	60443	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	327147	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	289136	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	125146	33.34	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	111.13%
60) 4-Bromofluorobenzene	12.40	95	124249	28.99	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.63%
63) Toluene-d8	10.09	98	408159	31.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	76757	22.578	ug/l 96
3) Chloromethane	2.06	50	84092	21.171	ug/l 98
4) Vinyl Chloride	2.19	62	85326	21.069	ug/l 98
5) Bromomethane	2.54	94	28938	11.370	ug/l 100
6) Chloroethane	2.69	64	49755	21.721	ug/l 93
7) Trichlorofluoromethane	3.01	101	107867	21.528	ug/l 96
8) Diethyl Ether	3.40	74	40701	19.153	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	67021	21.669	ug/l 96
10) 1,1-Dichloroethene	3.72	96	64527	20.451	ug/l 93
11) Methyl Iodide	3.94	142	37936	7.621	ug/l 96
12) Methyl Acetate	4.33	43	80165	21.144	ug/l 96
13) Acrolein	3.60	56	17786	96.246	ug/l 99
14) Acrylonitrile	4.99	53	183363	108.448	ug/l 100
15) Acetone	3.82	58	61065	110.303	ug/l 96
16) Carbon Disulfide	4.04	76	163947	21.839	ug/l 100
17) Allyl chloride	4.31	41	104176	21.310	ug/l 98
18) Methylene Chloride	4.54	84	76517	20.948	ug/l 95
19) trans-1,2-Dichloroethene	5.03	96	68570	20.360	ug/l 90
20) Diisopropyl ether	5.96	45	215301	21.257	ug/l 97
21) 1,1-Dichloroethane	5.84	63	128049	21.754	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	79788	20.298	ug/l 95
23) tert-Butyl Alcohol	4.81	59	51045	77.562	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	201585	20.048	ug/l 100
25) Chloroform	7.37	83	125500	21.352	ug/l 99
26) Cyclohexane	7.65	56	114984	21.056	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	92904	20.994	ug/l 99
30) 2-Butanone	6.84	43	242880	104.256	ug/l 99
31) 2,2-Dichloropropane	6.82	77	84594	20.549	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	103916	21.254	ug/l 99
33) Carbon Tetrachloride	7.77	117	87884	21.216	ug/l 99
34) Benzene	8.04	78	289441	20.528	ug/l 97
35) Methacrylonitrile	7.17	41	35085	17.835	ug/l 93
36) 1,2-Dichloroethane	8.12	62	97426	22.060	ug/l 98
37) Trichloroethene	8.83	130	79741	20.211	ug/l 95
38) Methylcyclohexane	9.08	83	113218	20.181	ug/l 99
39) 1,2-Dichloropropane	9.12	63	76900	21.295	ug/l 94
40) Dibromomethane	9.21	93	50935	21.273	ug/l 96

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Manual Integrations
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Quant Time: Jun 14 11:18:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	93485	21.805	ug/l	98
42) Vinyl Acetate	5.90	43	882541	106.259	ug/l	98
43) Ethyl Acetate	6.93	43	94282	21.146	ug/l	95
44) Isopropyl Acetate	8.17	43	141062	20.377	ug/l	99
45) 1,4-Dioxane	9.20	88	26786	361.708	ug/l	95
46) Methyl methacrylate	9.20	41	70388	20.467	ug/l	95
47) n-amyl Acetate	12.07	43	112665	19.680	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	89536	19.844	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	108473	20.531	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	73462	20.657	ug/l	99
51) Ethyl methacrylate	10.43	69	104741	19.468	ug/l	97
52) 1,3-Dichloropropane	10.71	76	121771	21.121	ug/l	98
53) Dibromochloromethane	10.90	129	73915	21.232	ug/l	99
54) 1,2-Dibromoethane	11.00	107	74702	20.130	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	162990	86.488	ug/l	98
56) Bromoform	12.13	173	51165	20.316	ug/l #	97
58) 4-Methyl-2-Pentanone	9.99	43	466052	106.447	ug/l	97
59) 2-Hexanone	10.75	43	324742	103.774	ug/l	99
61) Tetrachloroethene	10.63	164	76009	18.862	ug/l	99
62) Toluene	10.16	91	315186	20.193	ug/l	99
64) Chlorobenzene	11.43	112	193269	20.413	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	71486	20.939	ug/l	98
66) Ethyl Benzene	11.51	91	331661	19.950	ug/l	100
67) m/p-Xylenes	11.62	106	251913	39.588	ug/l	97
68) o-Xylene	11.95	106	122957	19.737	ug/l	98
69) Styrene	11.96	104	198863	19.648	ug/l	99
70) Isopropylbenzene	12.25	105	330443	20.302	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	104008	21.195	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	84974m	20.002	ug/l	
73) Bromobenzene	12.53	156	83418	19.308	ug/l	95
74) n-propylbenzene	12.59	91	348164	20.269	ug/l	98
75) 2-Chlorotoluene	12.67	91	215531	20.230	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	265116	19.802	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	20886	17.230	ug/l	93
78) 4-Chlorotoluene	12.77	91	195680	19.666	ug/l	99
79) tert-butylbenzene	12.99	119	234884	19.802	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	254969	19.577	ug/l	98
81) sec-Butylbenzene	13.17	105	306159	20.403	ug/l	100
82) p-Isopropyltoluene	13.29	119	261544	19.278	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	123600	18.358	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	115506	18.010	ug/l	100
85) n-Butylbenzene	13.61	91	188094	18.576	ug/l	98
86) Hexachloroethane	13.87	117	42891	20.279	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	125478	18.335	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14759	19.160	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	45150	17.960	ug/l	99
90) Hexachlorobutadiene	15.01	225	47880	19.165	ug/l	99
91) Naphthalene	15.13	128	120021	13.205	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	53793	15.016	ug/l	99

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Instrument :
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ClientSampleId :
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Manual Integrations
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QLast Update : Thu Jun 06 04:02:53 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

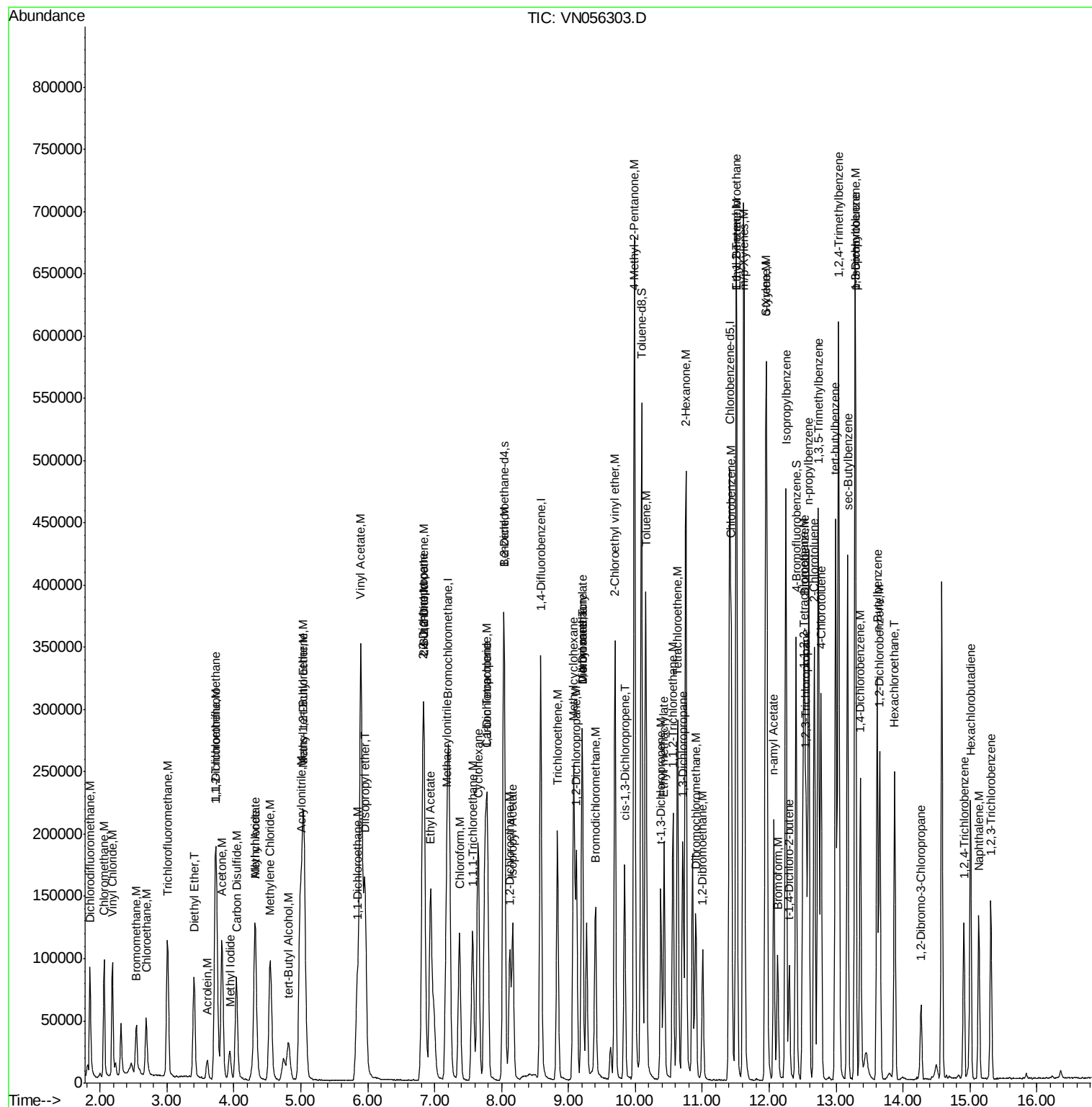
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Data File : VN056303.D
Acq On : 14 Jun 2019 10:37
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ALS Vial : 5 Sample Multiplier: 1

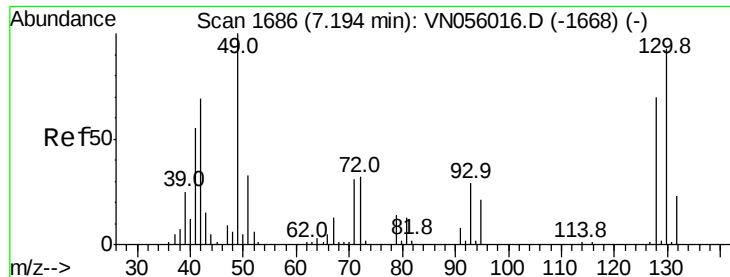
Instrument :
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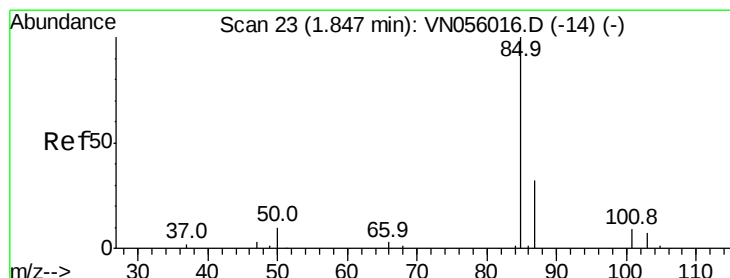
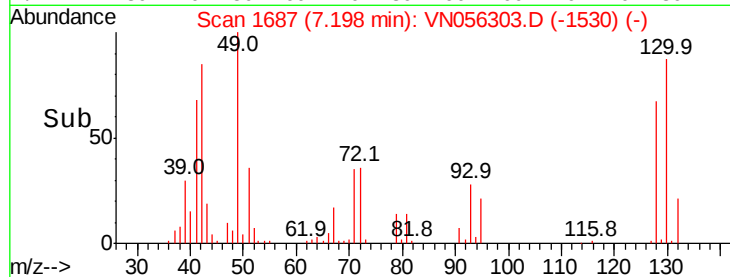
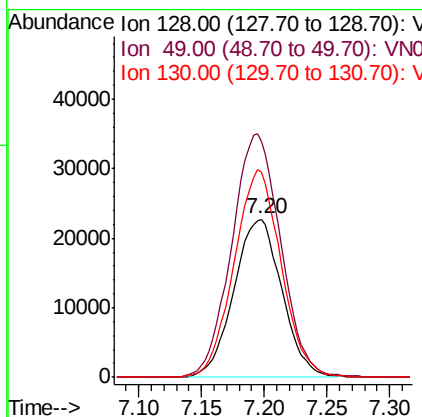
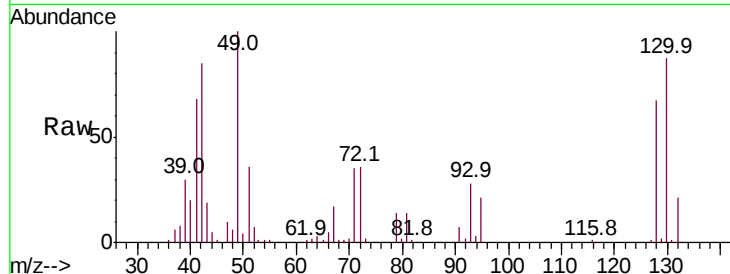
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Instrument :
 MSVOA_N
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 VN0614WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	157.4	0.0	355.8
130	129.0	0.0	326.3

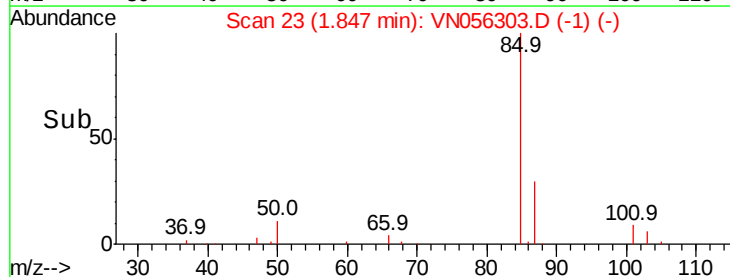
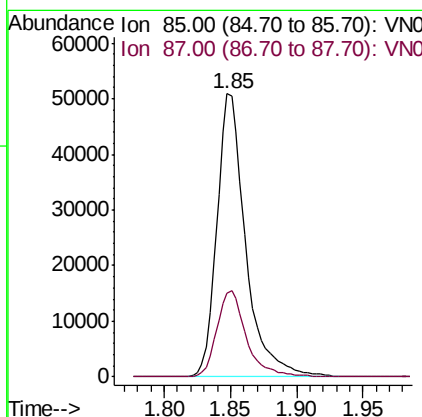
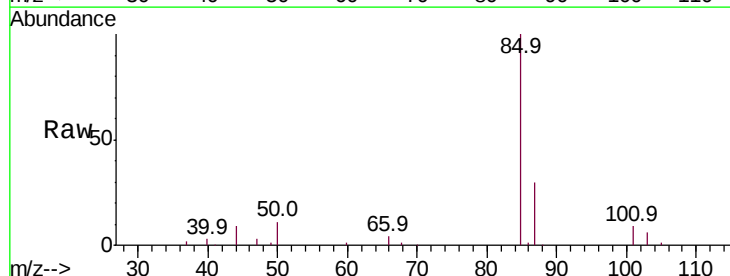
Manual Integrations
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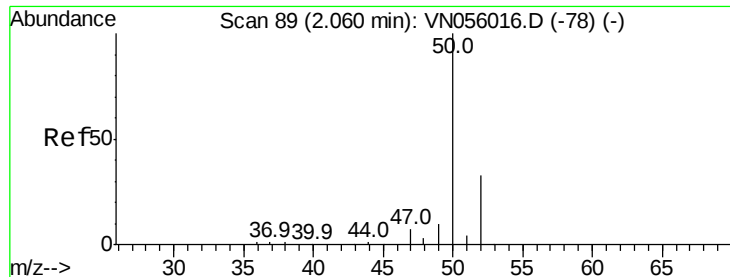
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#2
 Dichlorodifluoromethane
 Concen: 22.578 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
85	100		
87	29.7	15.9	47.7





#3

Chloromethane

Concen: 21.171 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion: 50 Resp: 84092

Ion Ratio Lower Upper

50 100

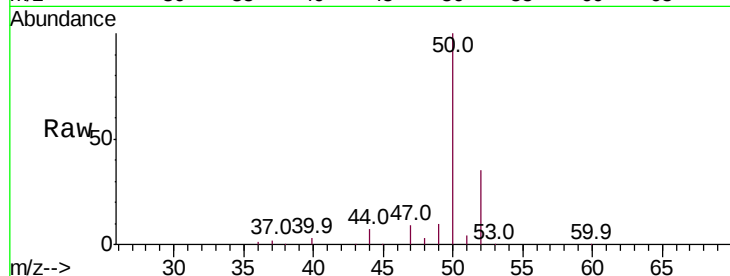
52 34.6 26.7 40.1

Manual Integrations

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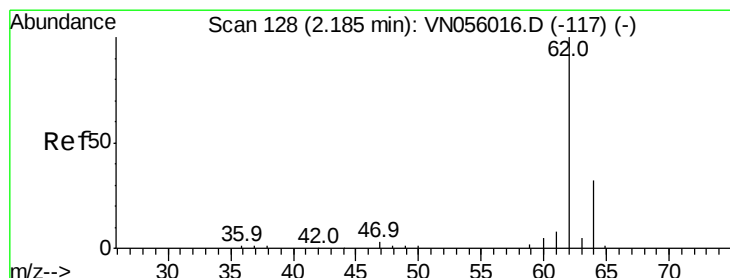
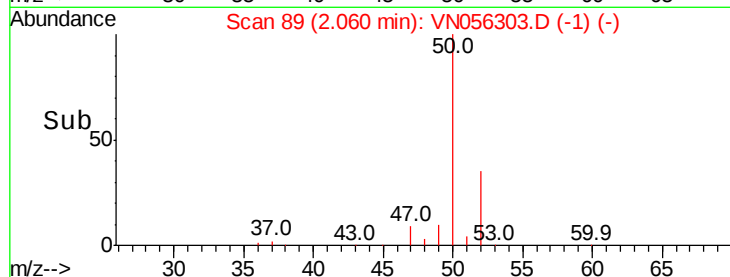
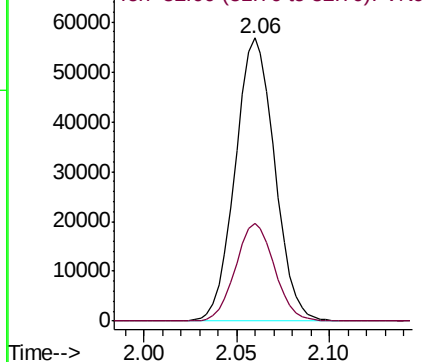
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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 21.069 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056303.D

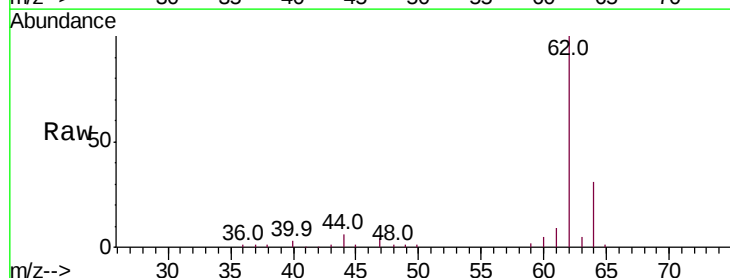
Acq: 14 Jun 2019 10:37

Tgt Ion: 62 Resp: 85326

Ion Ratio Lower Upper

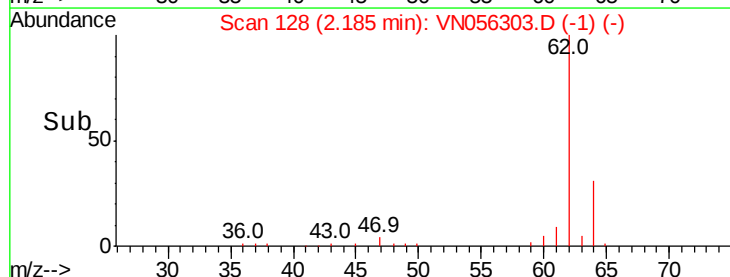
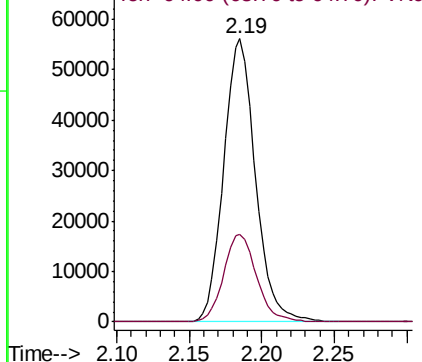
62 100

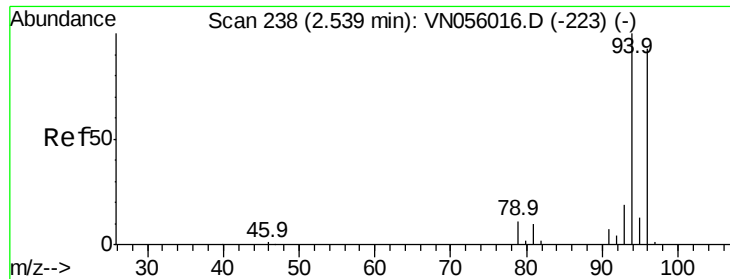
64 31.1 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





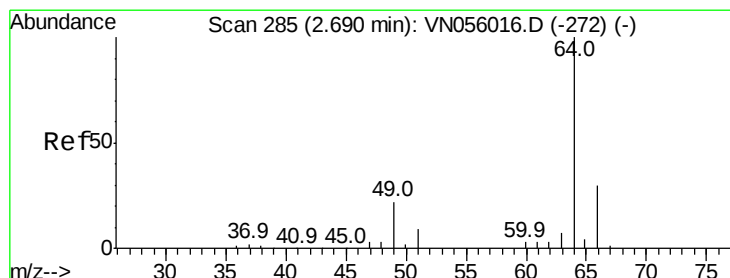
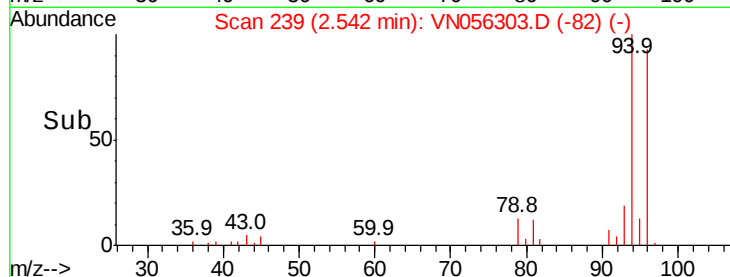
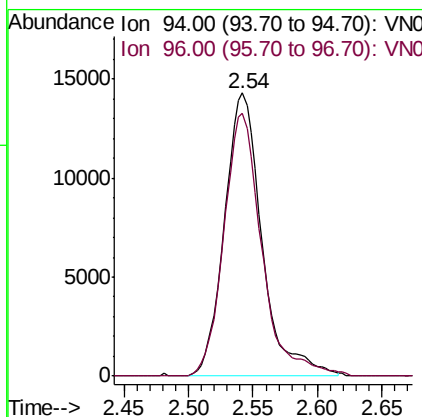
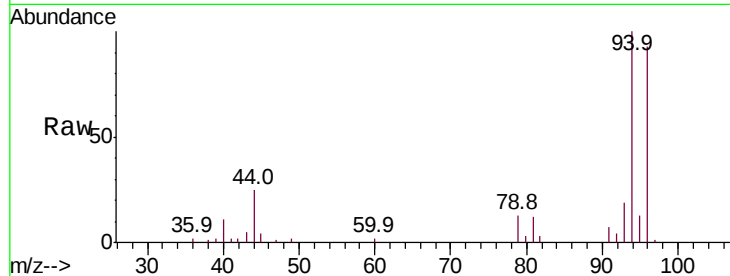
#5
Bromomethane
Concen: 11.370 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Instrument :
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Tot Ion: 94 Resp: 28938
Ion Ratio Lower Upper
94 100
96 92.9 74.1 111.1

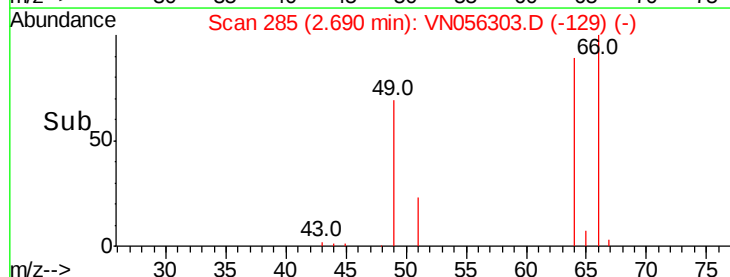
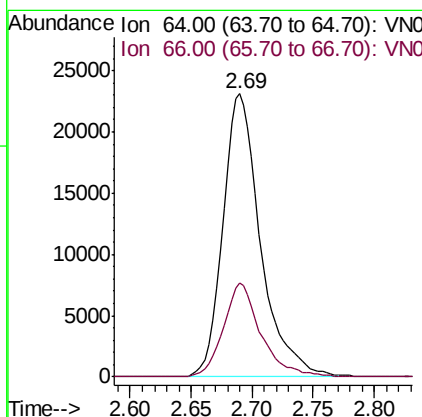
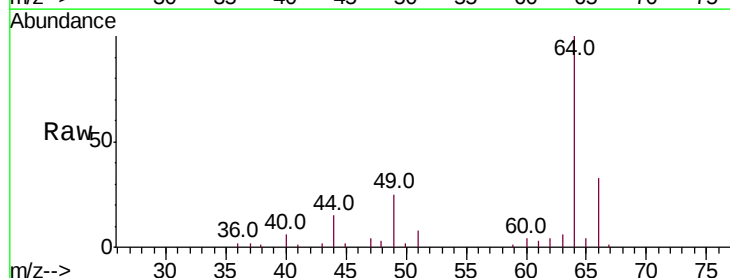
Manual Integrations
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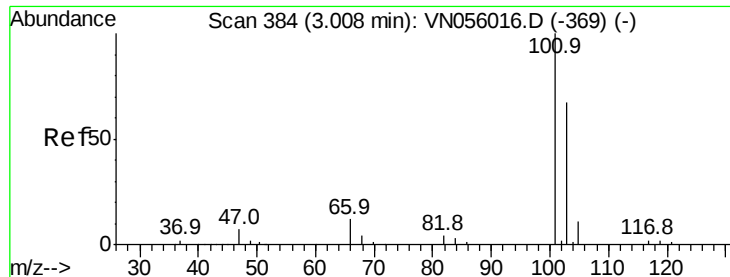
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#6
Chloroethane
Concen: 21.721 ug/l
RT: 2.69 min Scan# 285
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Tgt Ion: 64 Resp: 49755
Ion Ratio Lower Upper
64 100
66 33.1 23.7 35.5





#7

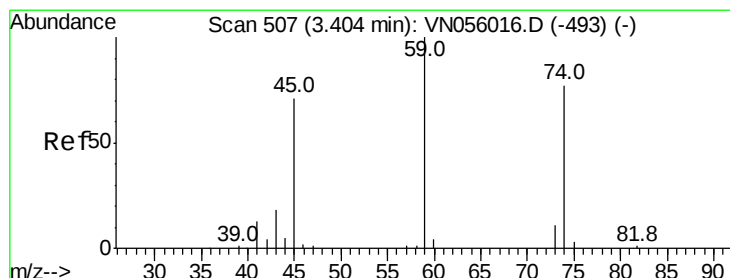
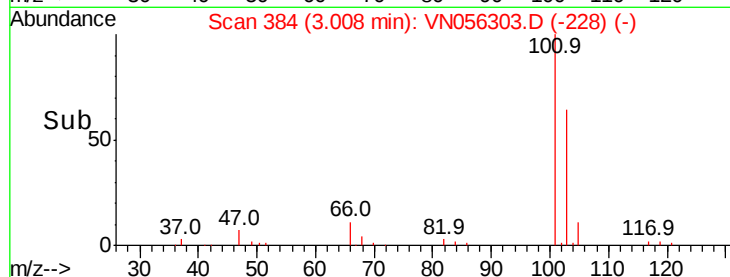
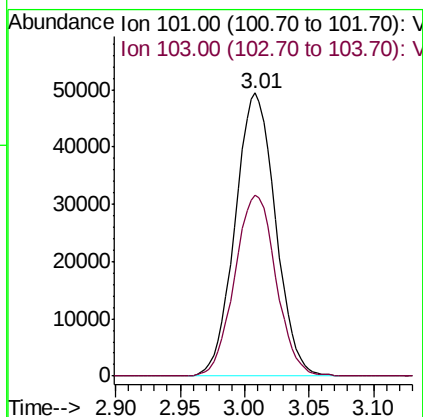
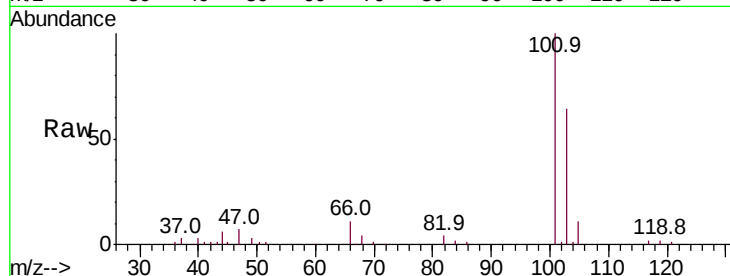
Trichlorofluoromethane
Concen: 21.528 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion:101 Resp: 107867
Ion Ratio Lower Upper
101 100
103 63.7 53.4 80.0

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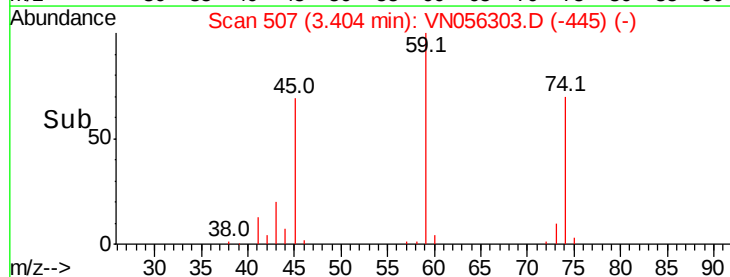
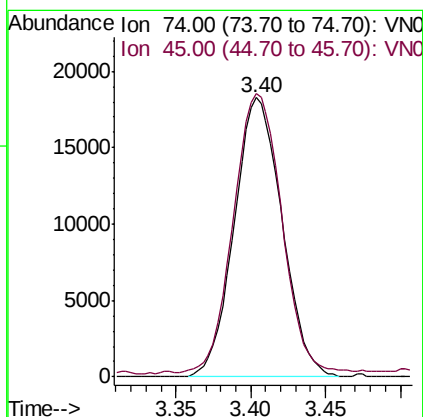
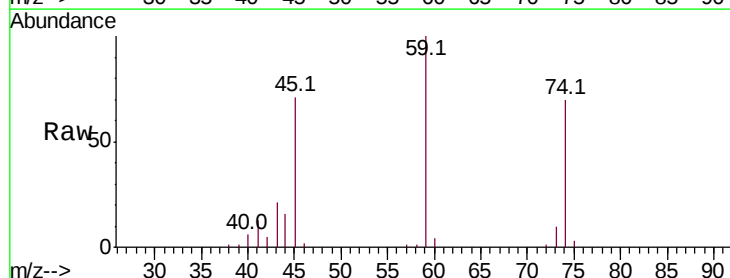
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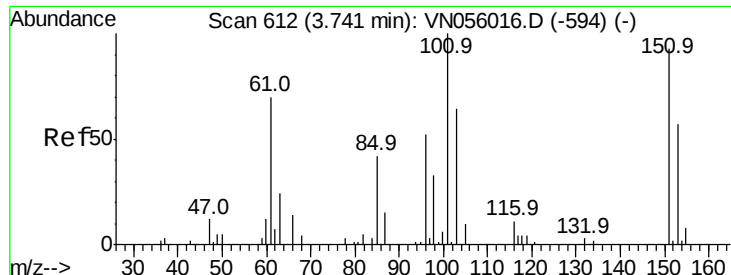


#8

Diethyl Ether
Concen: 19.153 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Tgt Ion: 74 Resp: 40701
Ion Ratio Lower Upper
74 100
45 100.5 18.8 169.6





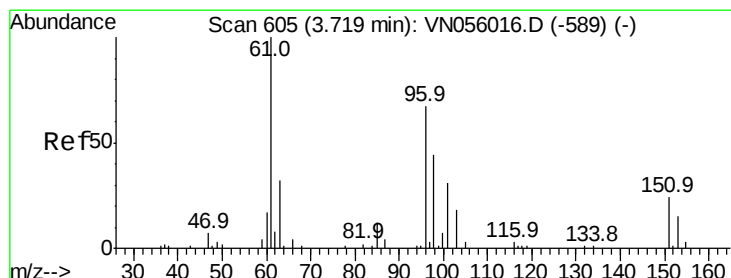
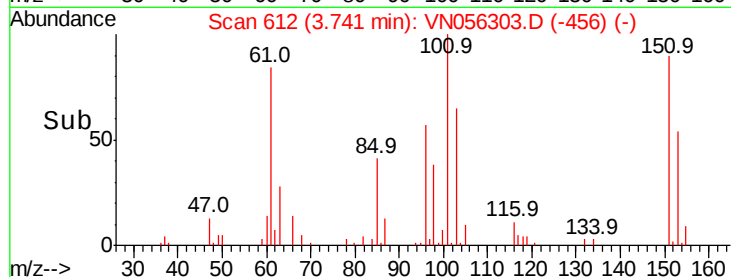
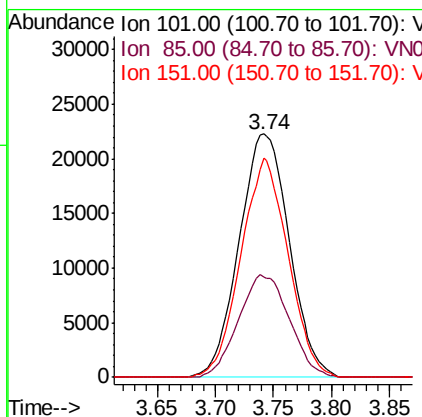
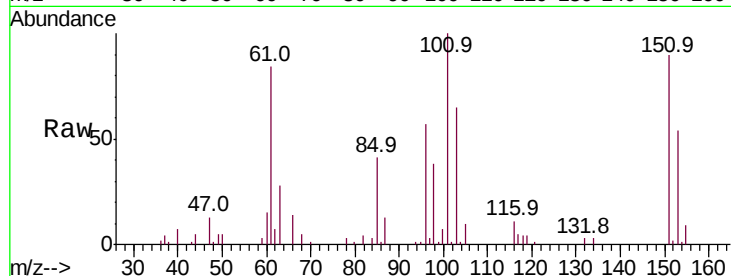
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.669 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	67021		
85	42.5	0.0	82.0	
151	84.7	0.0	177.0	

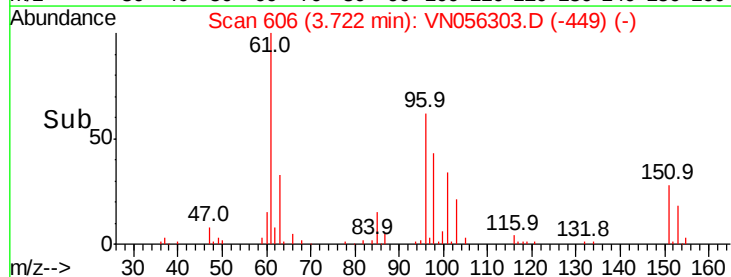
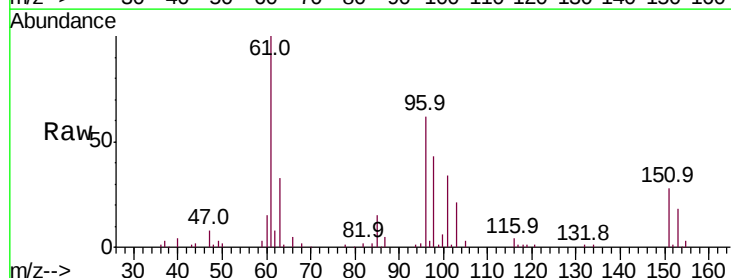
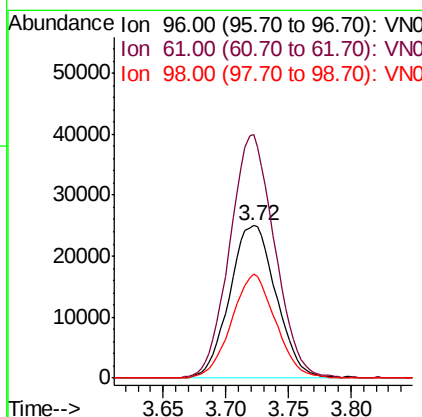
Manual Integrations
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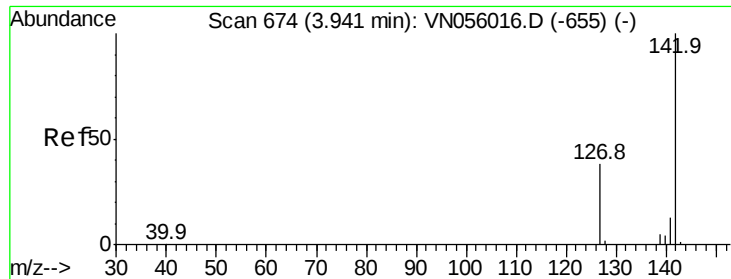
MMDadoda
 6/17/2019 9:45:57 AM



#10
 1,1-Dichloroethene
 Concen: 20.451 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	64527		
61	159.2	119.7	179.5	
98	68.8	52.3	78.5	





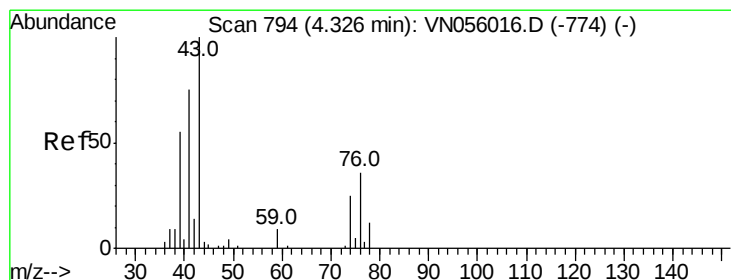
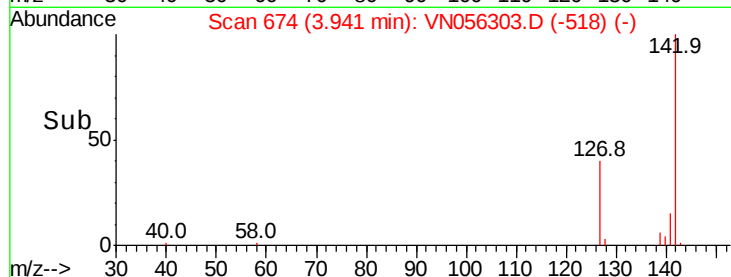
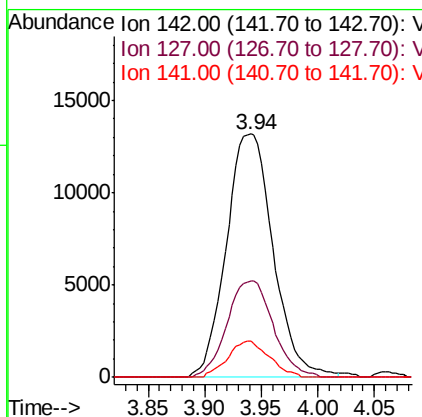
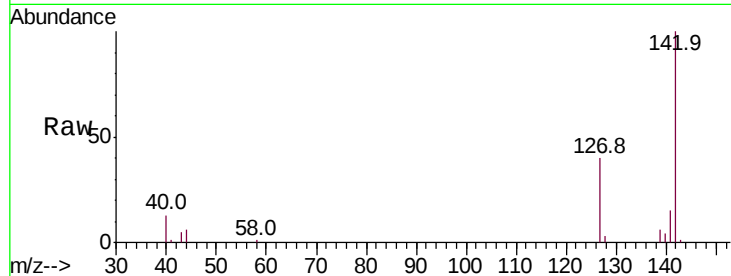
#11
Methyl Iodide
Concen: 7.621 ug/l
RT: 3.94 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.9	19.0	57.0
141	15.1	6.7	20.0

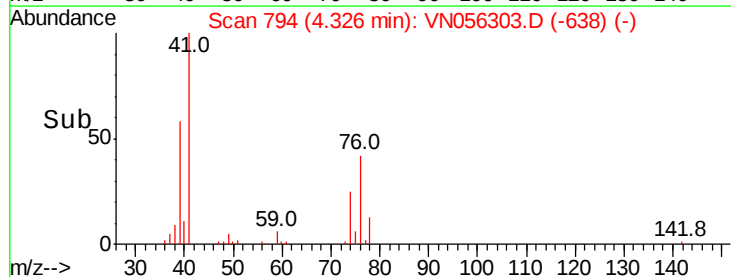
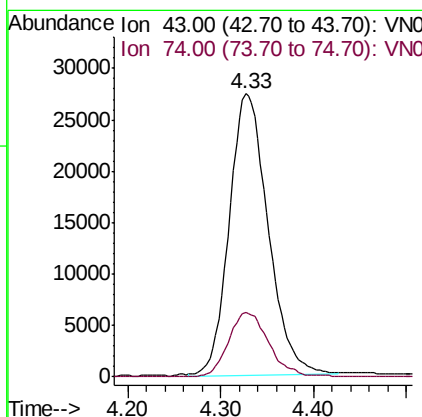
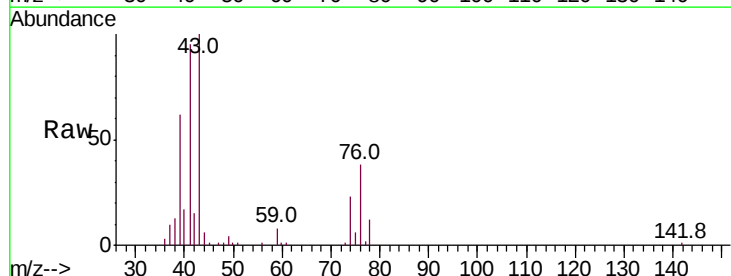
Manual Integrations
APPROVED

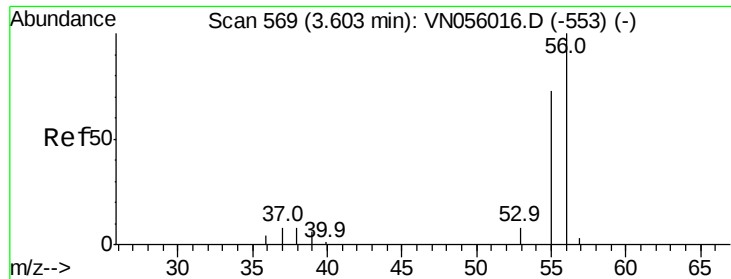
MMDadoda
6/17/2019 9:45:57 AM



#12
Methyl Acetate
Concen: 21.144 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.9	29.9





#13

Acrolein

Concen: 96.246 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion: 56 Resp: 17786

Ion Ratio Lower Upper

56 100

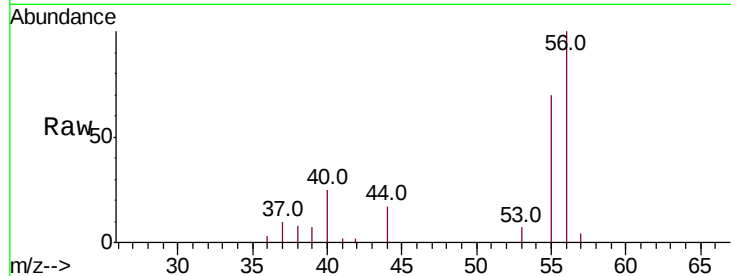
55 71.3 57.9 86.9

Manual Integrations

APPROVED

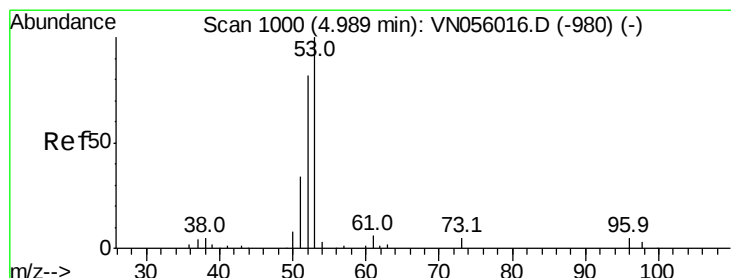
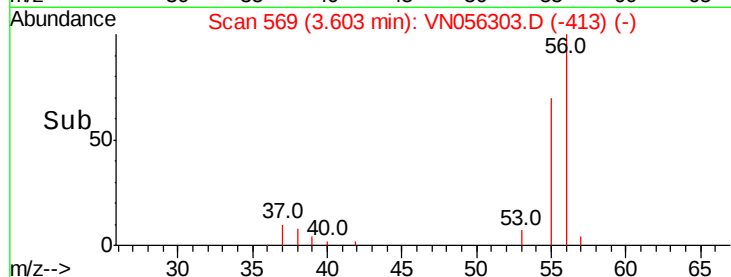
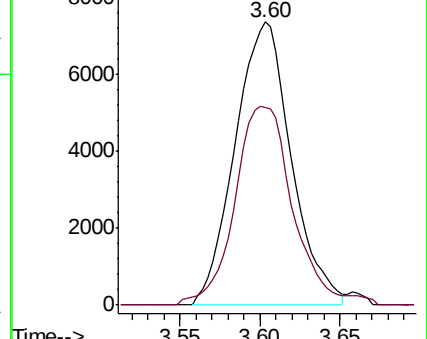
MMDadoda

6/17/2019 9:45:57 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 108.448 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

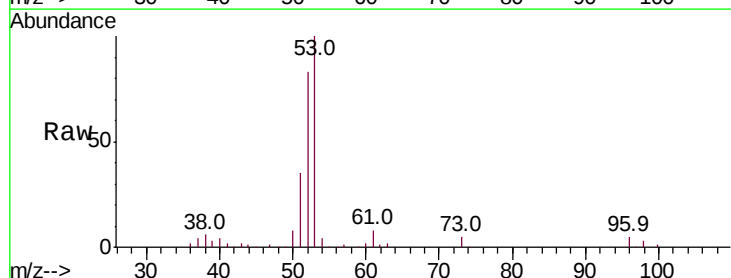
Tgt Ion: 53 Resp: 183363

Ion Ratio Lower Upper

53 100

52 81.5 40.8 122.2

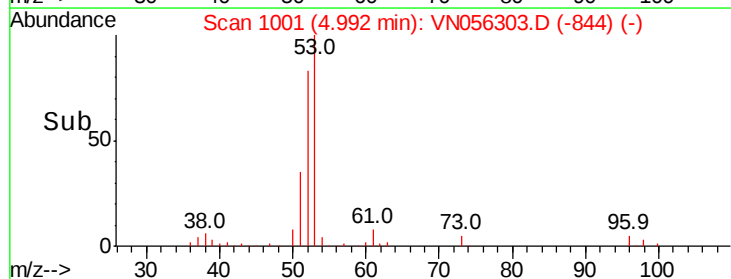
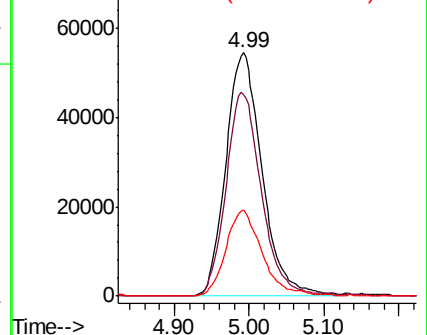
51 35.2 17.3 52.0

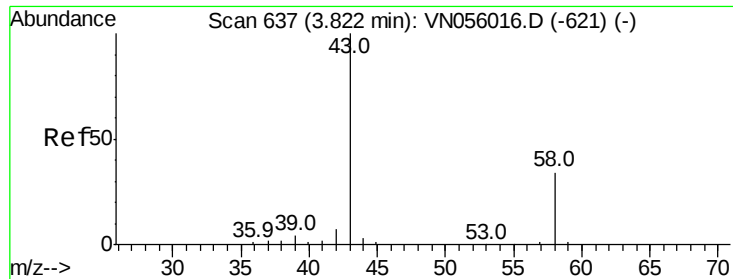


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 110.303 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion: 58 Resp: 61065

Ion Ratio Lower Upper

58 100

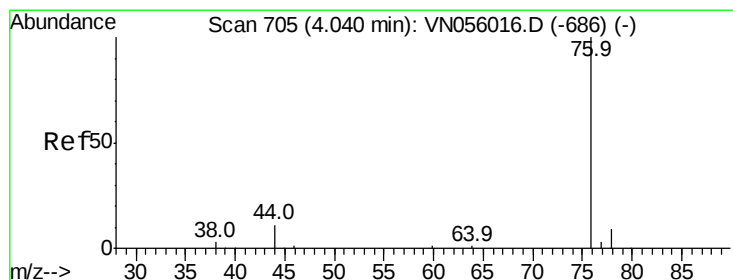
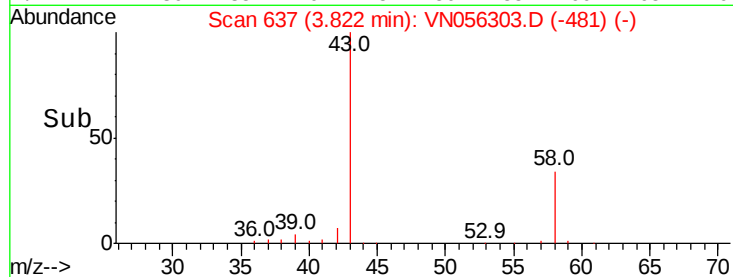
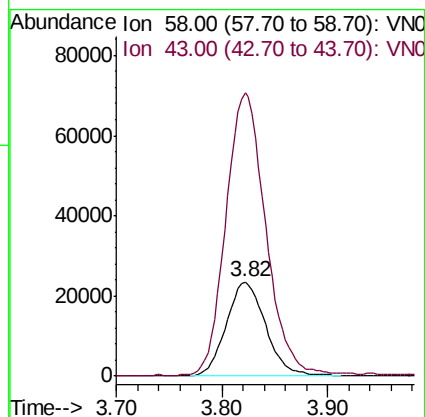
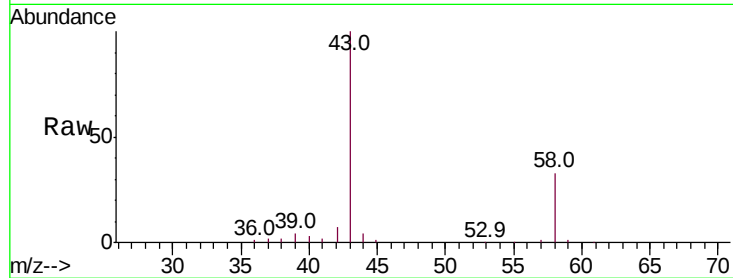
43 298.2 232.5 348.7

Manual Integrations

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#16

Carbon Disulfide

Concen: 21.839 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056303.D

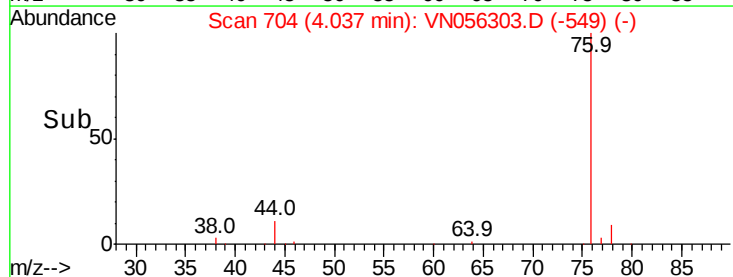
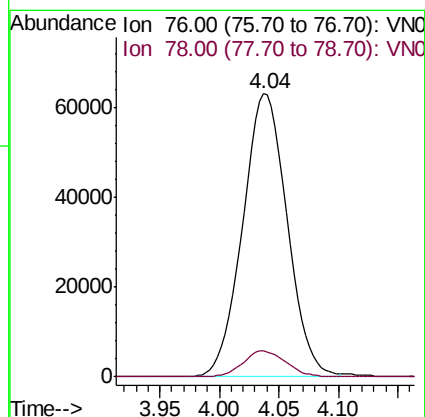
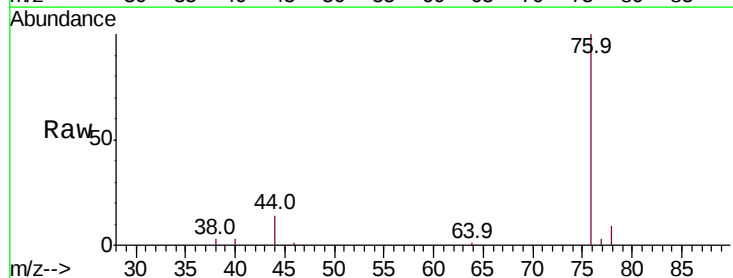
Acq: 14 Jun 2019 10:37

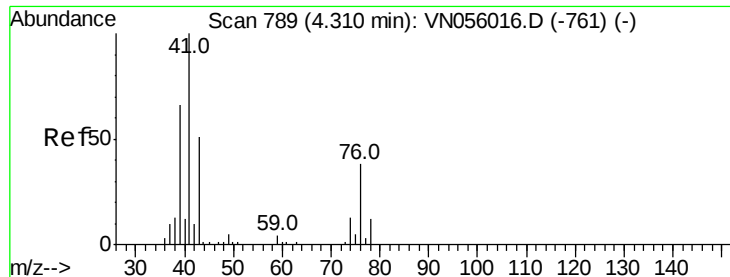
Tgt Ion: 76 Resp: 163947

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





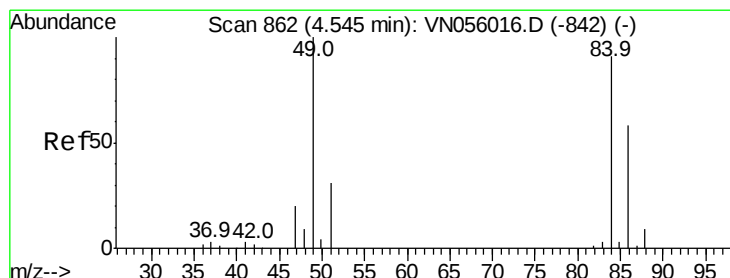
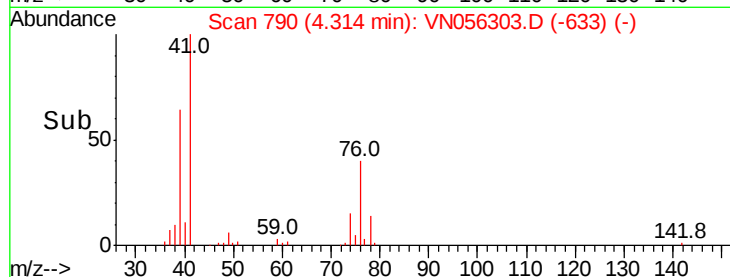
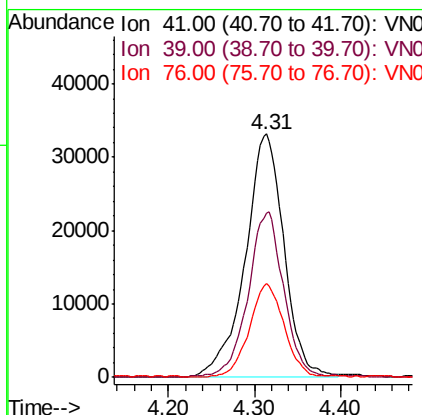
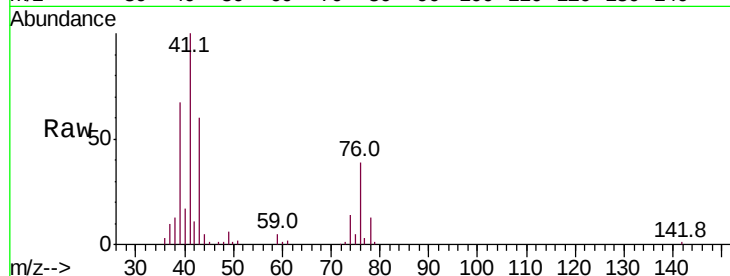
#17
Allvl chloride
Concen: 21.310 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.4	33.0	99.0
76	38.7	18.9	56.9

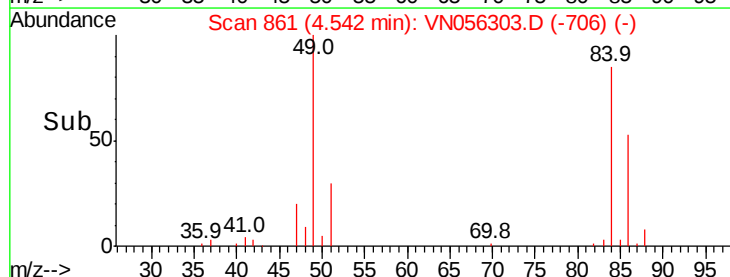
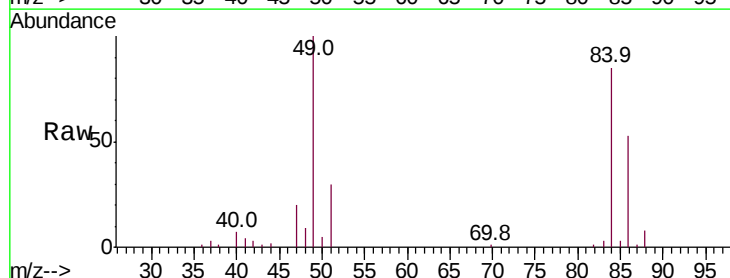
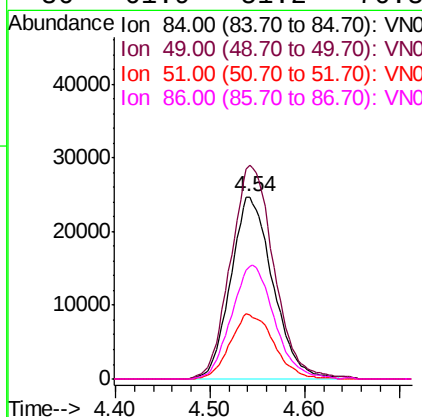
Manual Integrations
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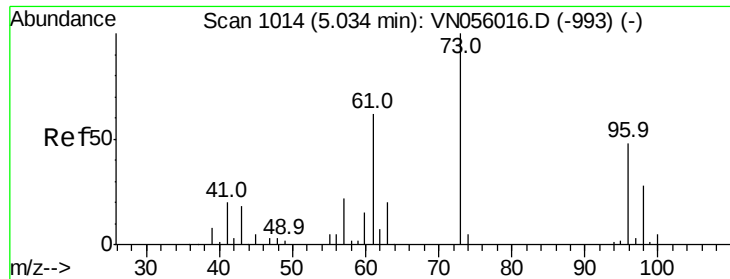
MMDadoda
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#18
Methylene Chloride
Concen: 20.948 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.3	87.6	131.4
51	35.3	27.0	40.4
86	61.9	51.2	76.8





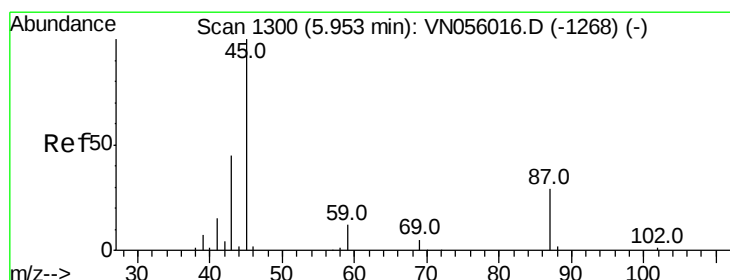
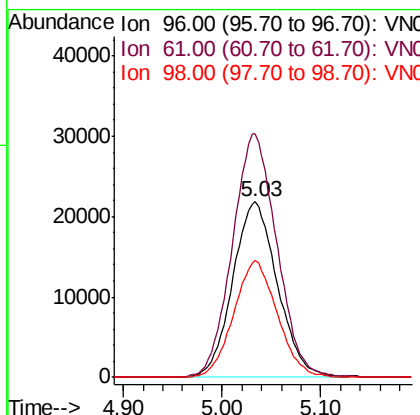
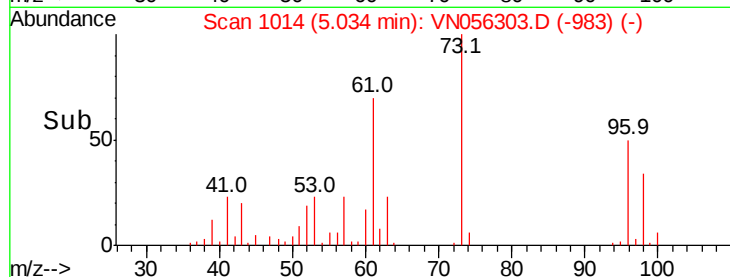
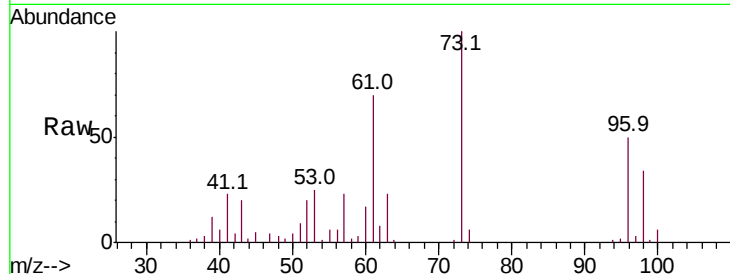
#19
trans-1,2-Dichloroethene
Concen: 20.360 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.2	102.5	153.7
98	66.9	46.9	70.3

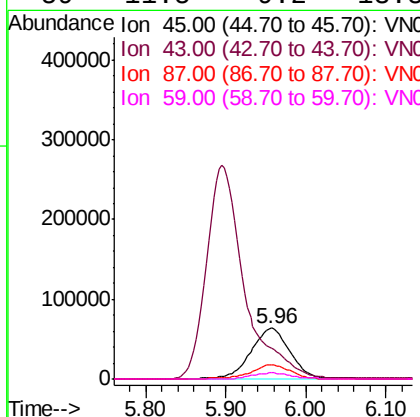
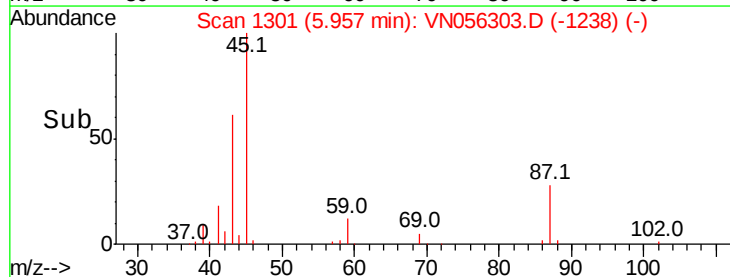
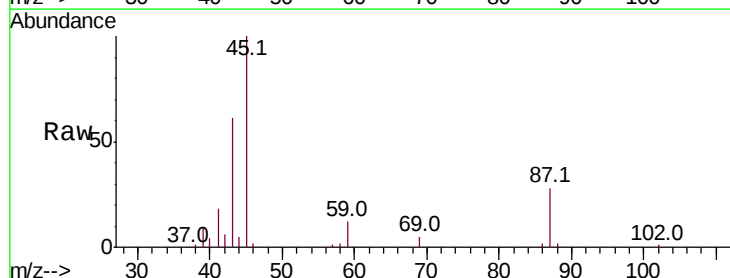
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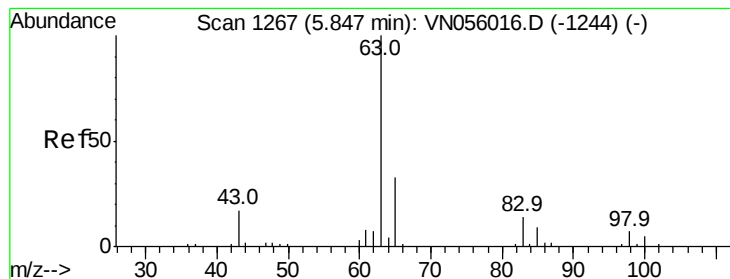
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#20
Diisopropyl ether
Concen: 21.257 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.5	48.0	72.0
87	27.8	23.4	35.2
59	11.5	9.2	13.8





#21

1,1-Dichloroethane

Concen: 21.754 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Instrument :

MSVOA_N

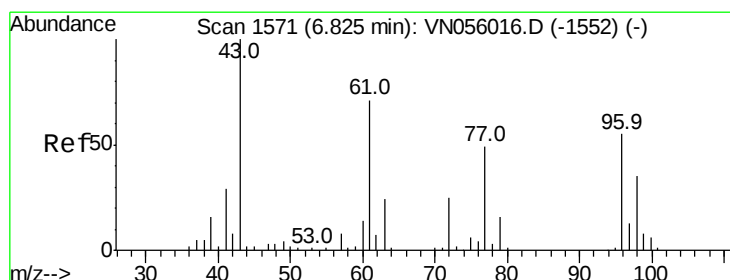
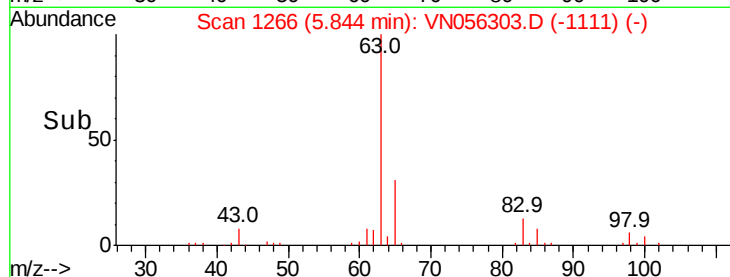
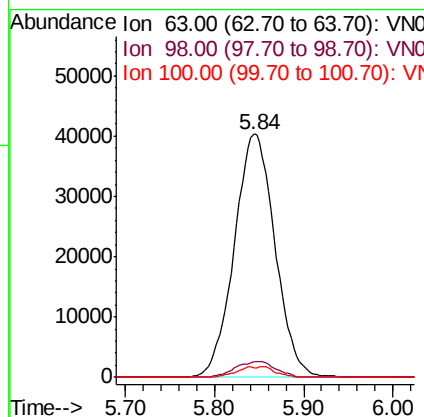
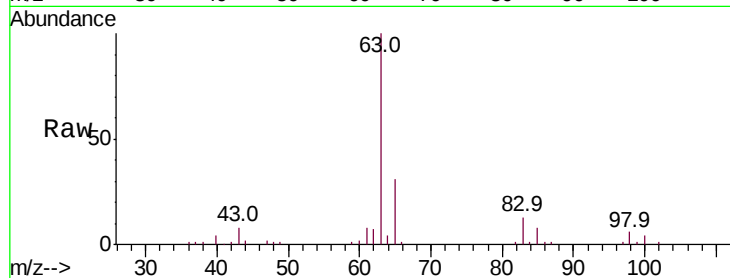
ClientSampleId :

VN0614WBS01

Tot Ion:	63	Resp:	128049
Ion Ratio	Lower	Upper	
63	100		
98	6.4	3.5	10.5
100	4.0	2.3	6.9

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#22

cis-1,2-Dichloroethene

Concen: 20.298 ug/l

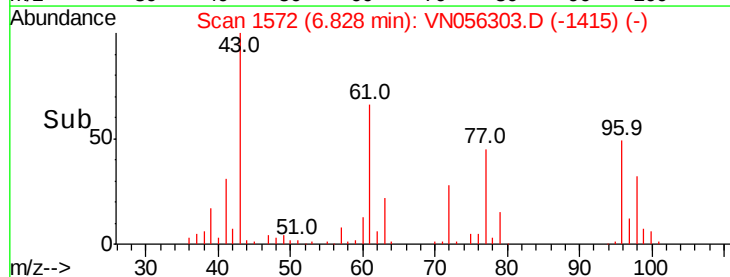
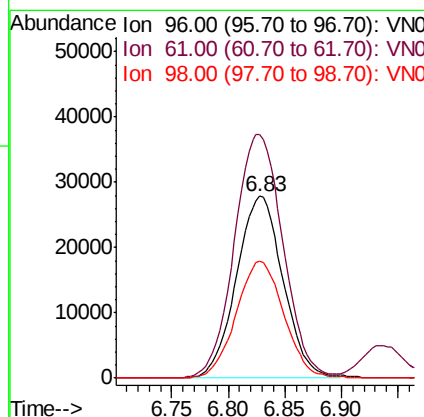
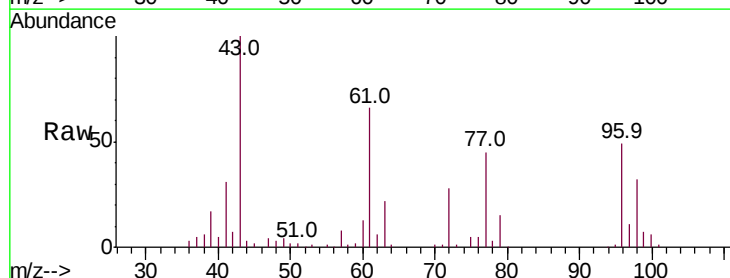
RT: 6.83 min Scan# 1572

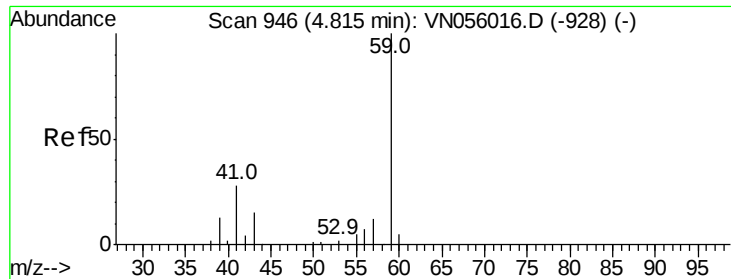
Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Tgt Ion:	96	Resp:	79788
Ion Ratio	Lower	Upper	
96	100		
61	139.8	105.7	158.5
98	65.7	52.0	78.0





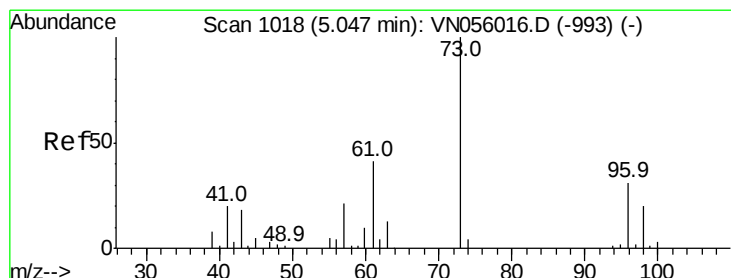
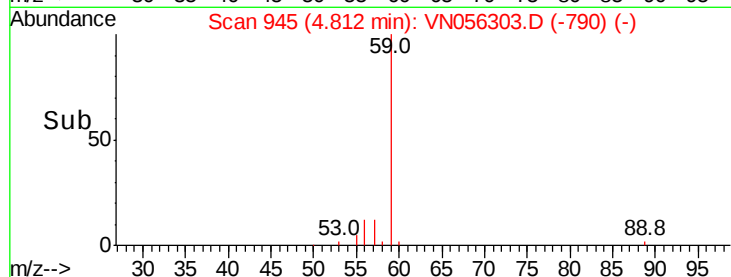
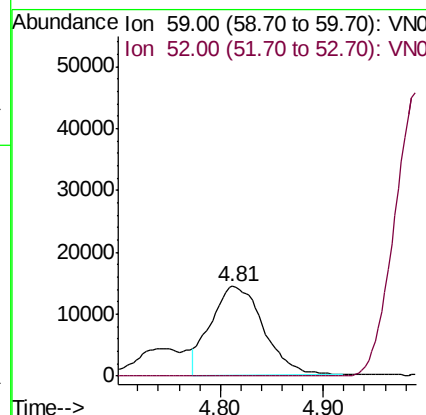
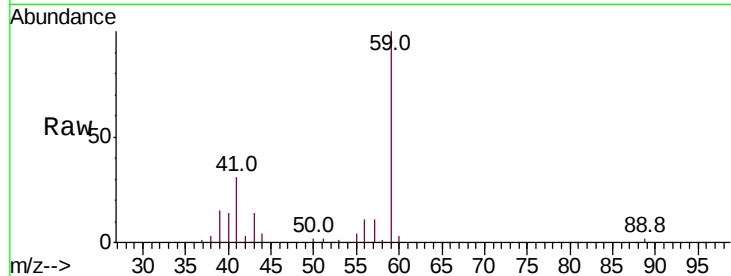
#23
tert-Butyl Alcohol
Concen: 77.562 ug/l
RT: 4.81 min Scan# 945
Delta R.T. -0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampled :
VN0614WBS01

Tot Ion: 59 Resp: 51045
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

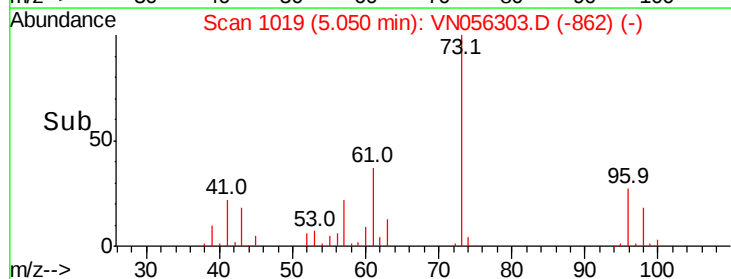
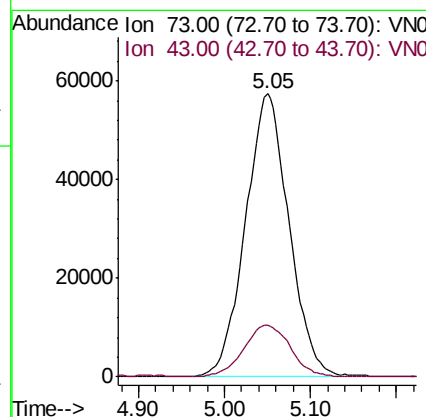
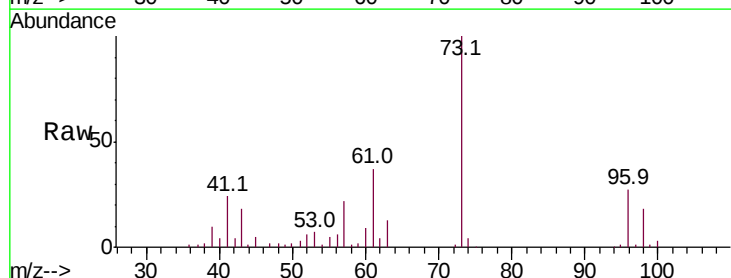
Manual Integrations
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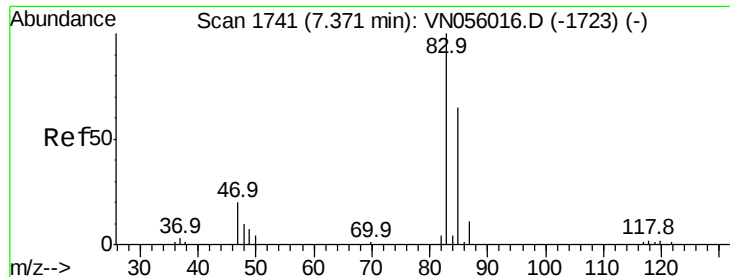
MMDadoda
6/17/2019 9:45:57 AM



#24
Methyl tert-Butyl Ether
Concen: 20.048 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Tgt Ion: 73 Resp: 201585
Ion Ratio Lower Upper
73 100
43 19.1 15.4 23.0





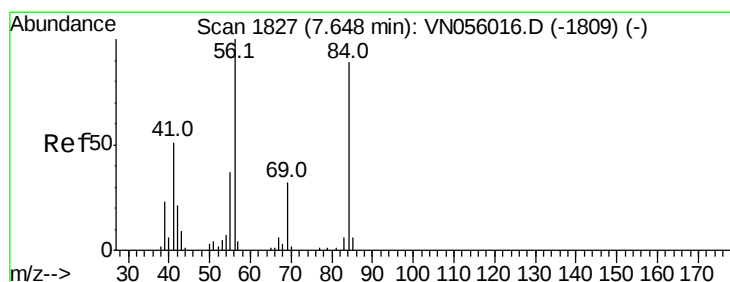
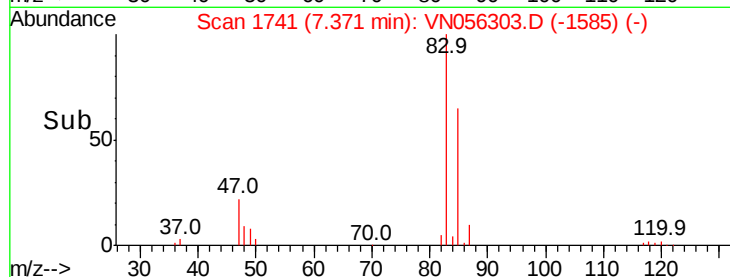
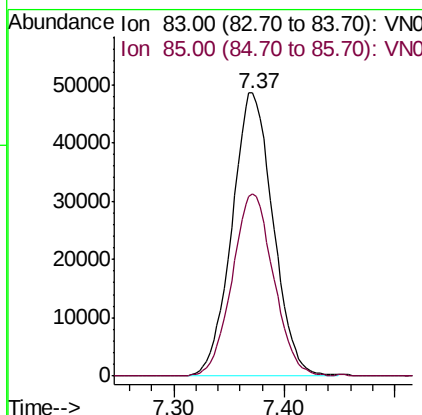
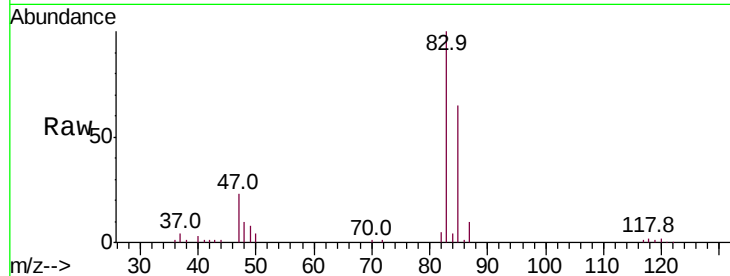
#25
Chloroform
Concen: 21.352 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion: 83 Resp: 125500
Ion Ratio Lower Upper
83 100
85 64.6 52.0 78.0

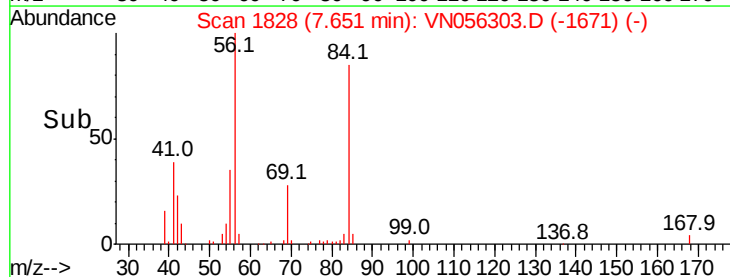
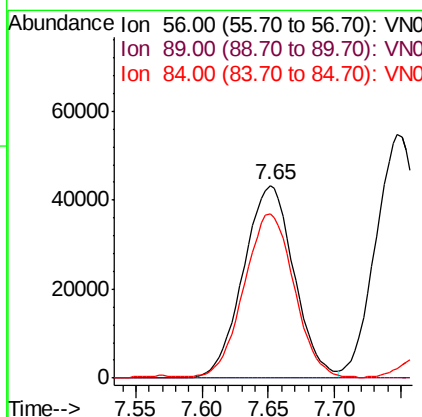
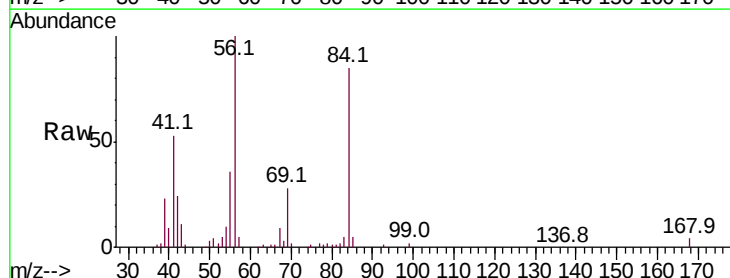
Manual Integrations
APPROVED

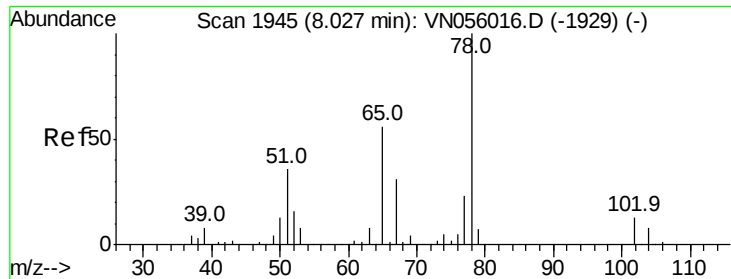
MMDadoda
6/17/2019 9:45:57 AM



#26
Cyclohexane
Concen: 21.056 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Tgt Ion: 56 Resp: 114984
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 85.0 70.1 105.1





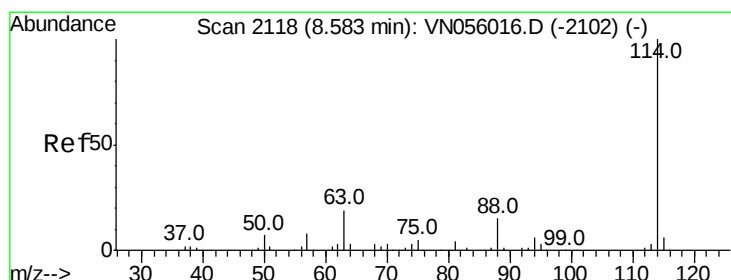
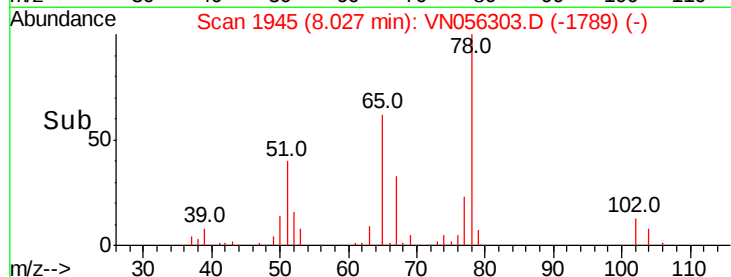
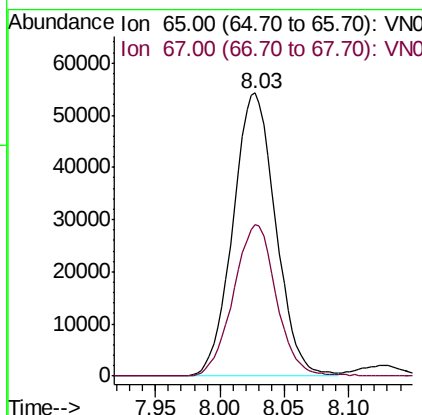
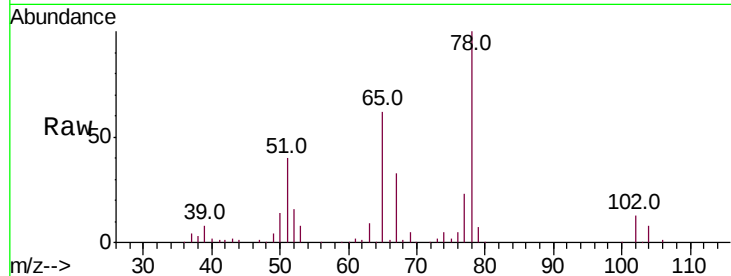
#27
 1,2-Dichloroethane-d4
 Concen: 33.341 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	43.4	65.2

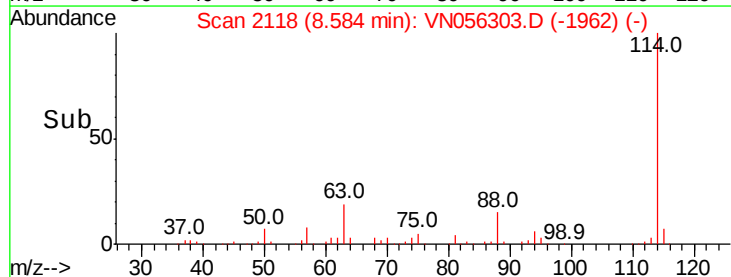
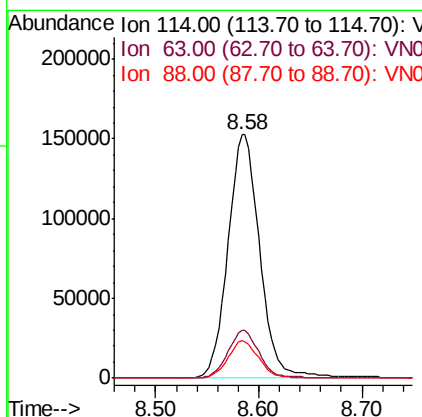
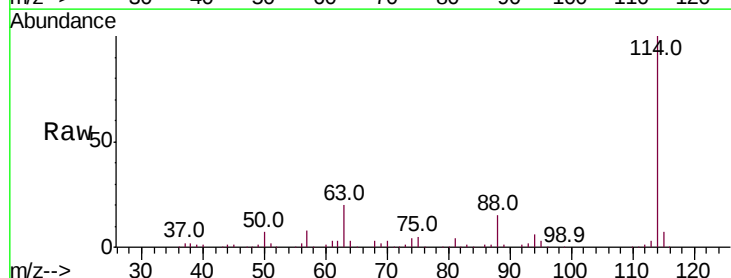
Manual Integrations
 APPROVED

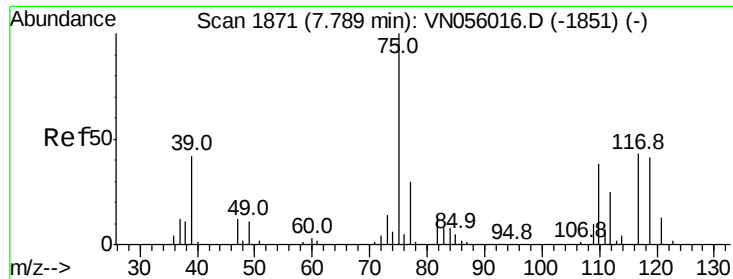
MMDadoda
 6/17/2019 9:45:57 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	14.7	22.1
88	14.8	11.9	17.9





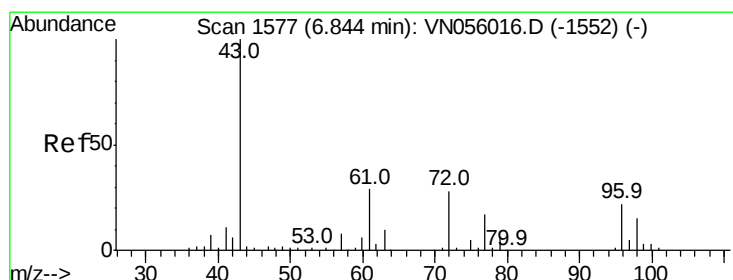
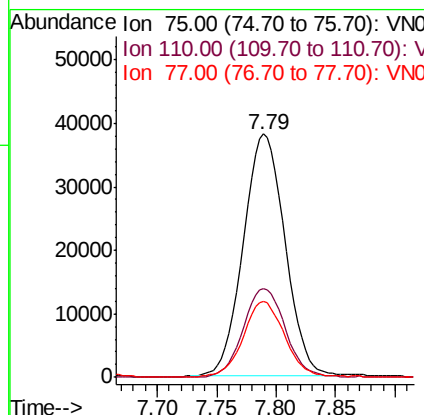
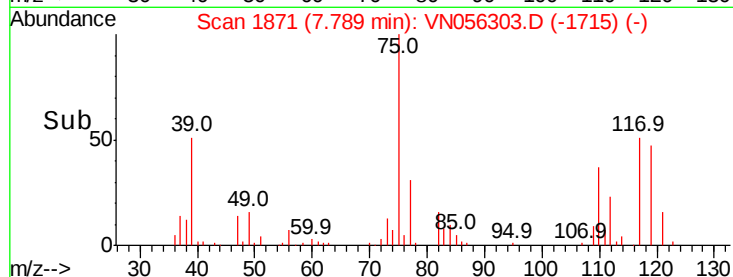
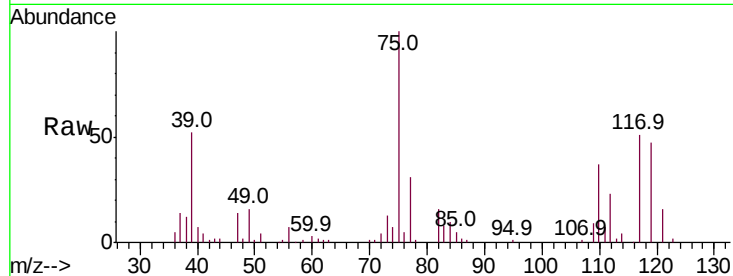
#29
 1,1-Dichloropropene
 Concen: 20.994 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.9	0.0	77.0
77	31.2	0.0	62.4

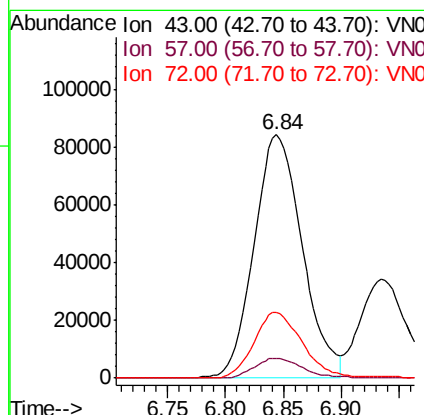
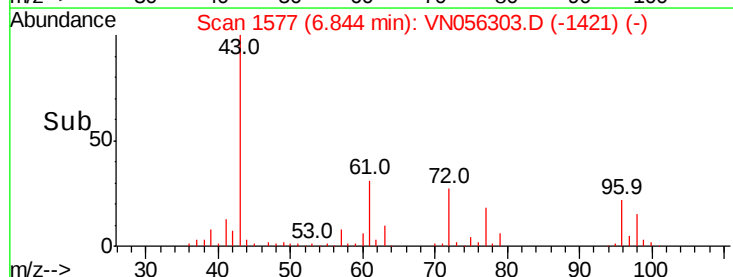
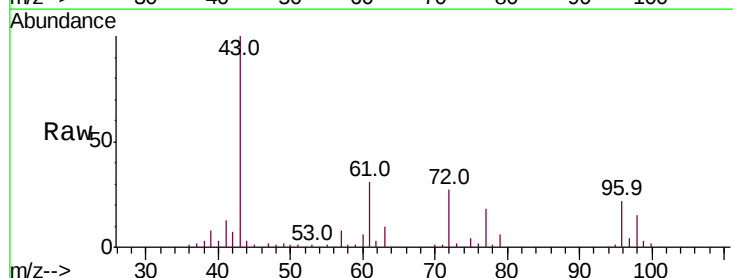
Manual Integrations
 APPROVED

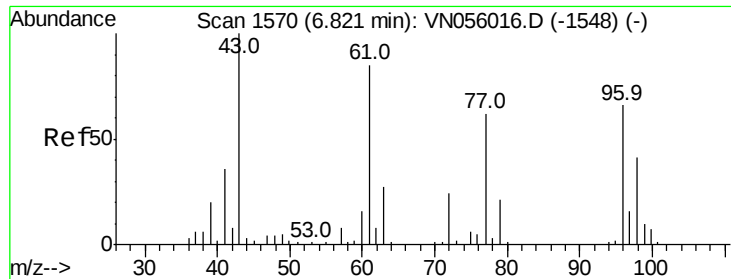
MMDadoda
 6/17/2019 9:45:57 AM



#30
 2-Butanone
 Concen: 104.256 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.7	10.1
72	27.3	22.4	33.6





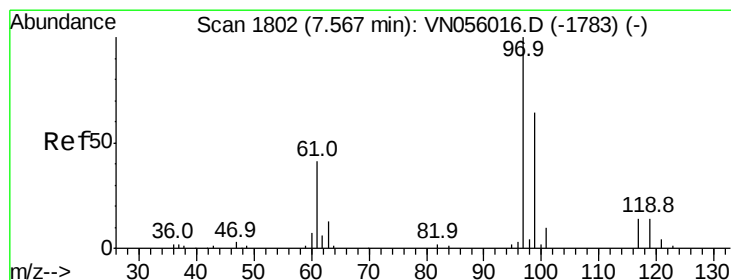
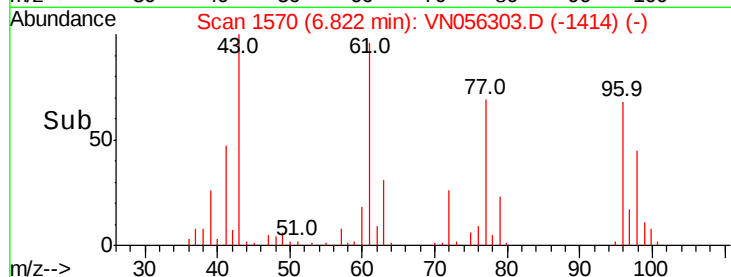
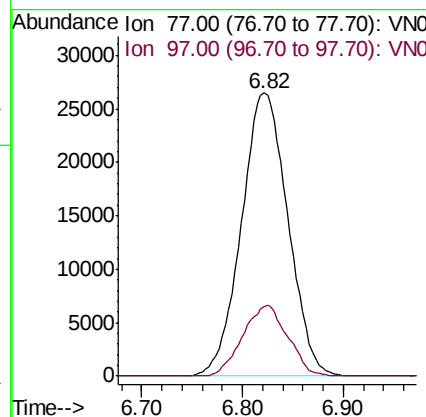
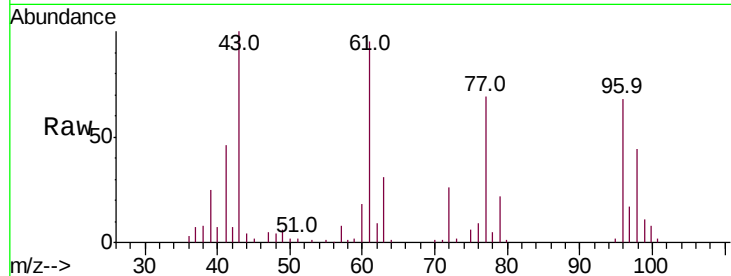
#31
 2,2-Dichloropropane
 Concen: 20.549 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBS01

Tot Ion: 77 Resp: 84594
 Ion Ratio Lower Upper
 77 100
 97 24.2 20.8 31.2

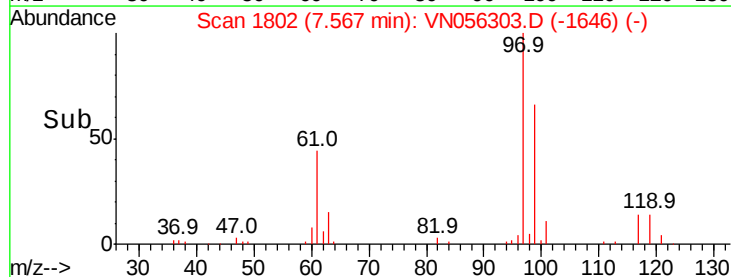
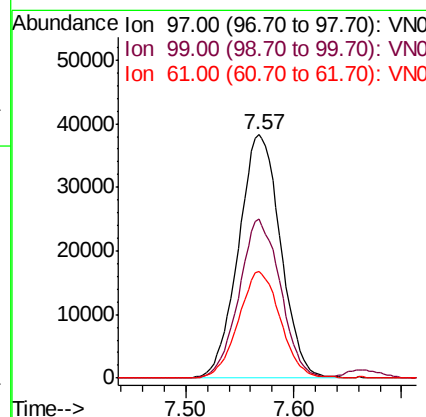
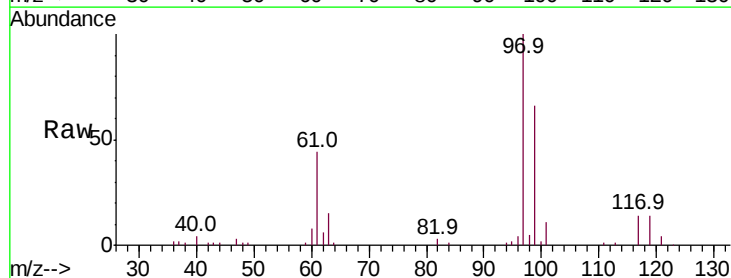
Manual Integrations
 APPROVED

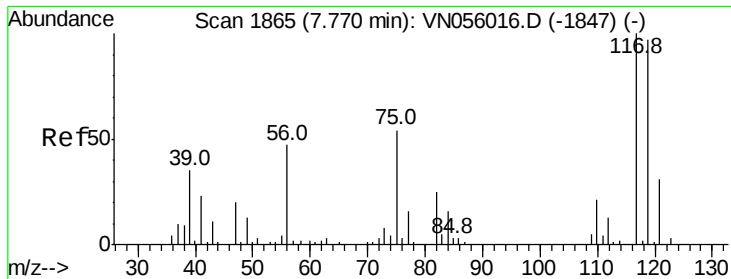
MMDadoda
 6/17/2019 9:45:57 AM



#32
 1,1,1-Trichloroethane
 Concen: 21.254 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Tgt Ion: 97 Resp: 103916
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.5 77.3
 61 43.3 32.9 49.3





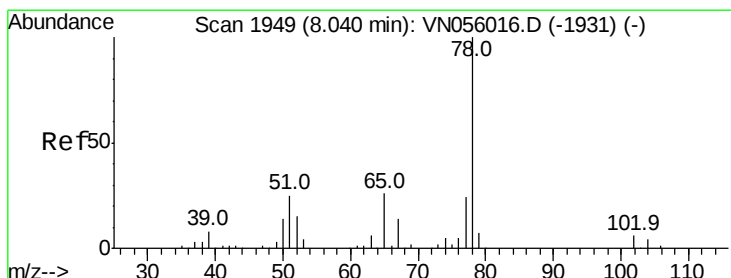
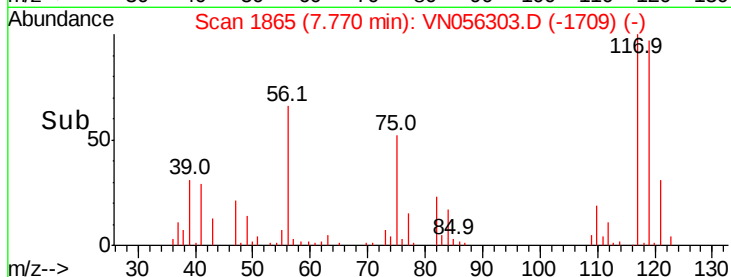
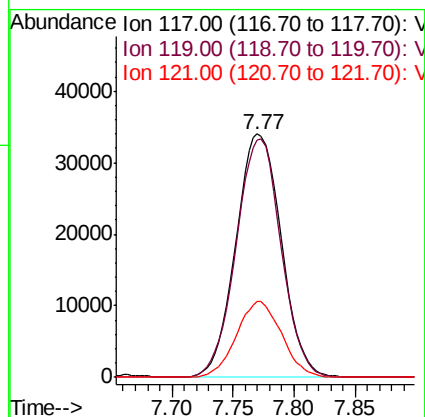
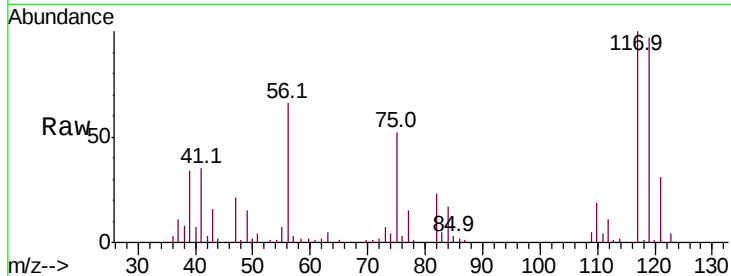
#33
Carbon Tetrachloride
Concen: 21.216 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion:117 Resp: 87884
Ion Ratio Lower Upper
117 100
119 97.3 77.3 115.9
121 31.1 25.0 37.4

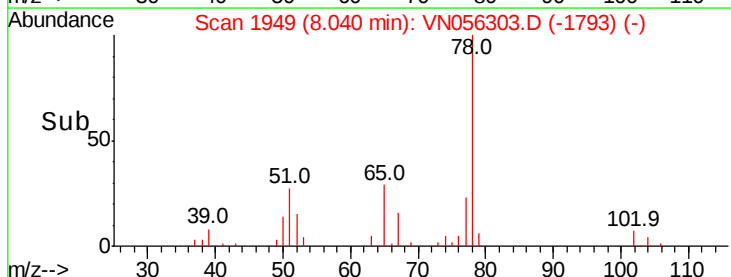
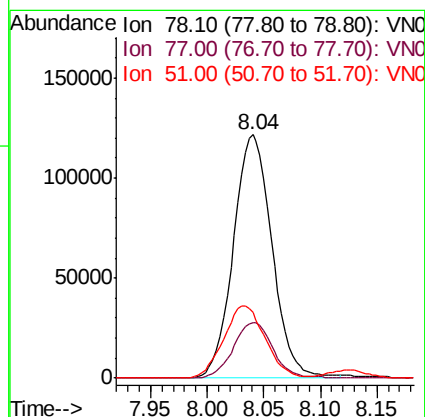
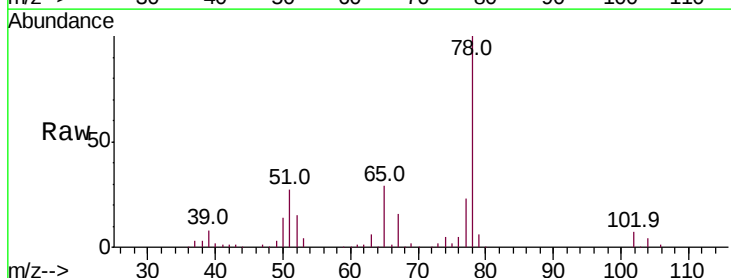
Manual Integrations
APPROVED

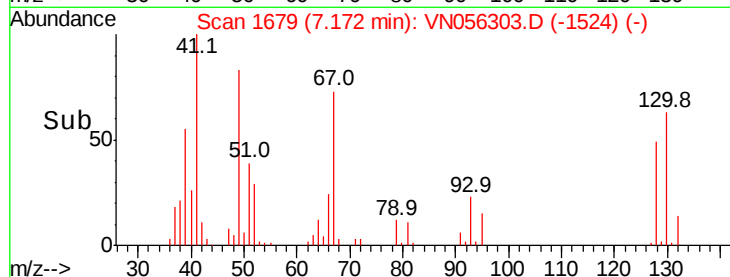
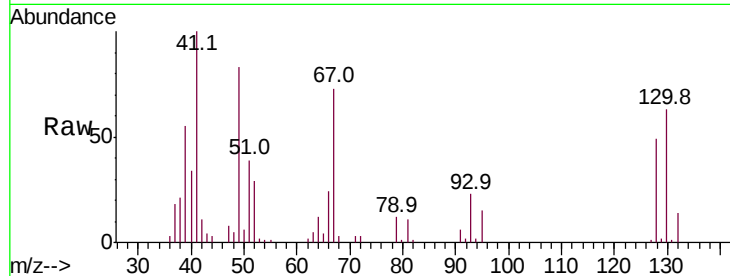
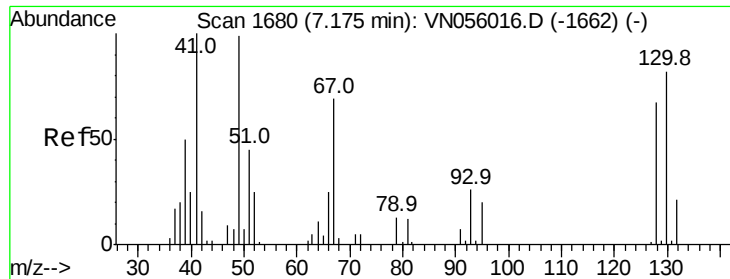
MMDadoda
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#34
Benzene
Concen: 20.528 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Tgt Ion: 78 Resp: 289441
Ion Ratio Lower Upper
78 100
77 22.8 19.3 28.9
51 26.3 19.8 29.8





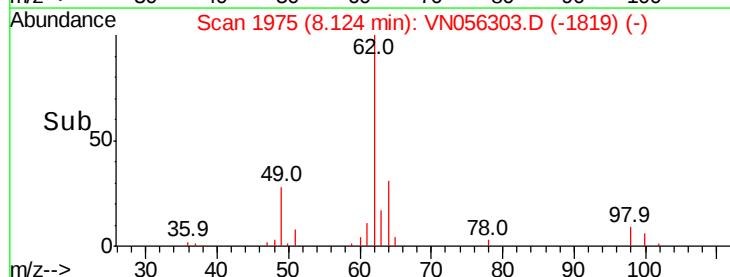
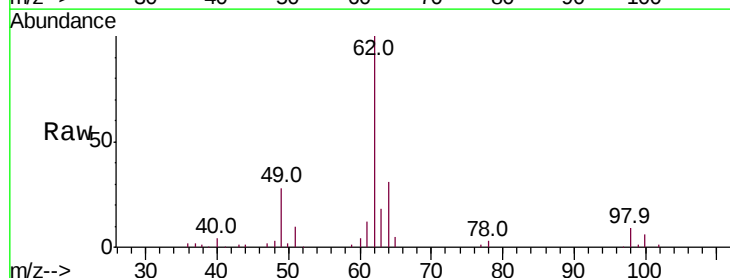
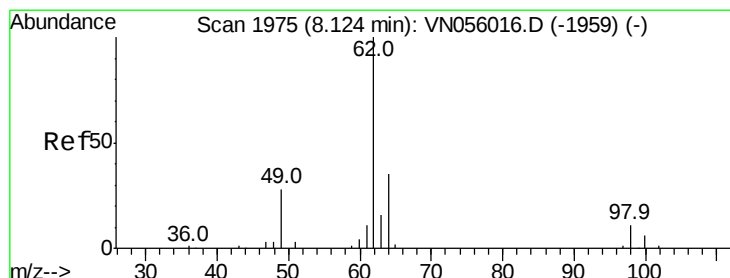
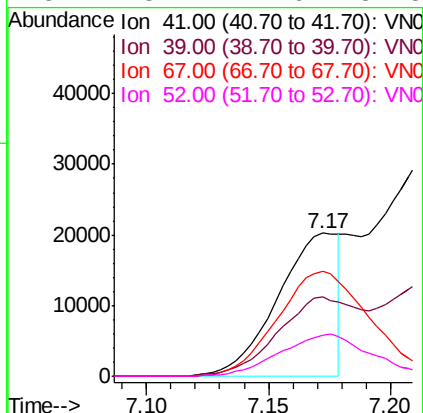
#35
Methacrylonitrile
Concen: 17.835 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.3	24.8	74.3
67	73.1	34.3	102.9
52	28.7	12.6	37.8

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

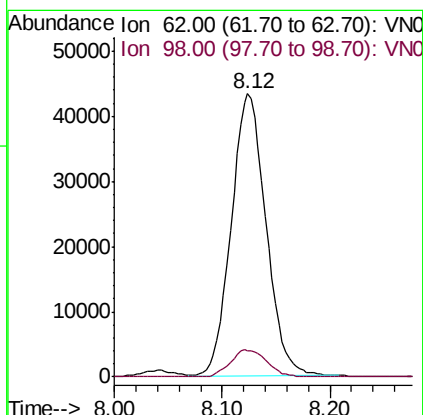
Manual Integrations
APPROVED

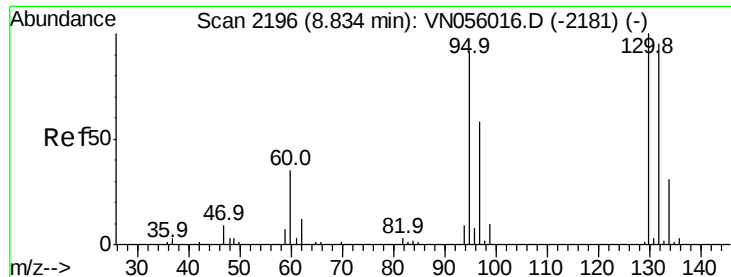
MMDadoda
6/17/2019 9:45:57 AM



#36
1,2-Dichloroethane
Concen: 22.060 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	8.6	13.0





#37

Trichloroethene

Concen: 20.211 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion:130 Resp: 79741

Ion Ratio Lower Upper

130 100

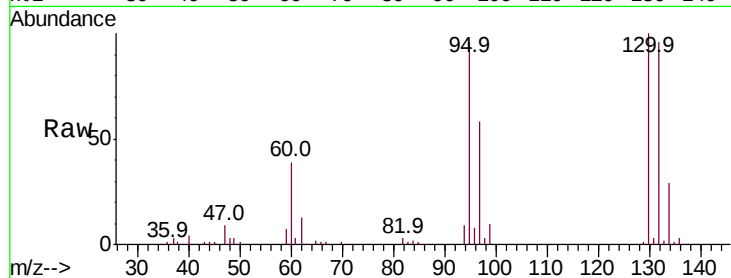
95 95.8 73.0 109.6

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VN056016.D (-2181) (-)

Ion 94.90 (94.60 to 95.60): VN056016.D (-2181) (-)

8.83

40000

30000

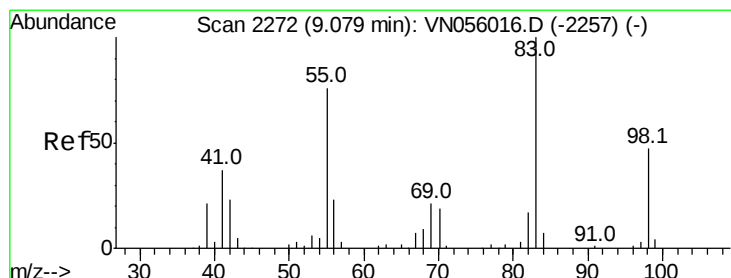
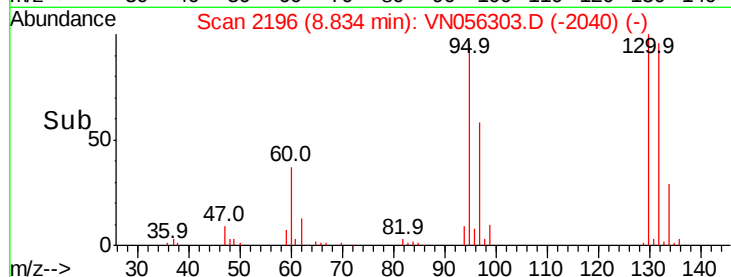
20000

10000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 20.181 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

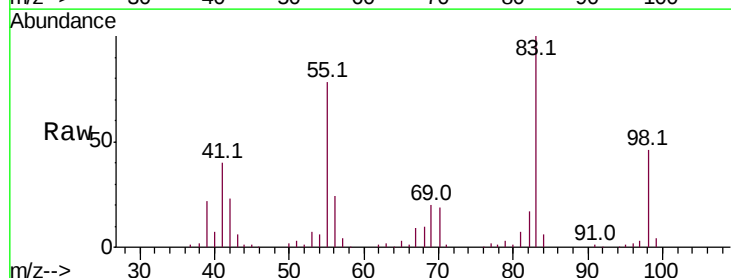
Tgt Ion: 83 Resp: 113218

Ion Ratio Lower Upper

83 100

55 76.7 37.5 112.7

98 46.2 23.1 69.3



Abundance Ion 83.00 (82.70 to 83.70): VN056016.D (-2257) (-)

Ion 55.00 (54.70 to 55.70): VN056016.D (-2257) (-)

Ion 98.00 (97.70 to 98.70): VN056016.D (-2257) (-)

9.08

60000

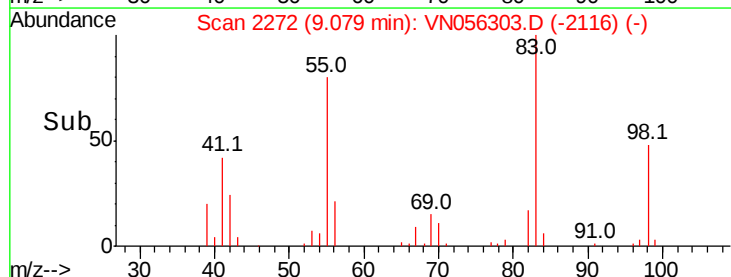
40000

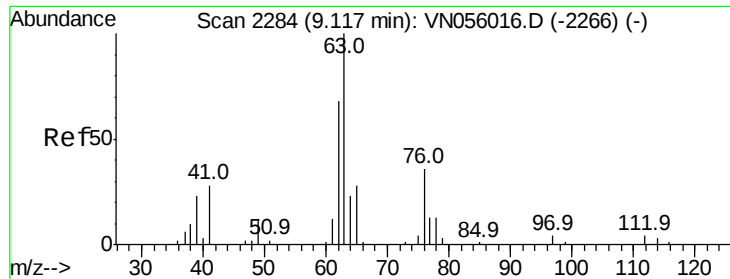
20000

0

9.00 9.05 9.10 9.15 9.20

Time-->





#39

1,2-Dichloropropane

Concen: 21.295 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion: 63 Resp: 76900

Ion Ratio Lower Upper

63 100

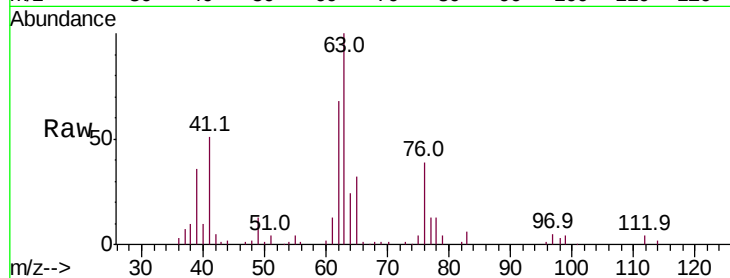
65 32.4 23.1 34.7

Manual Integrations

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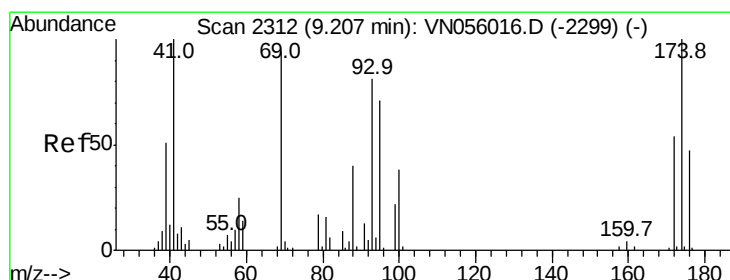
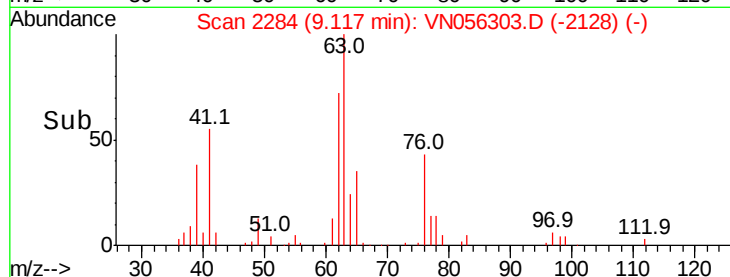
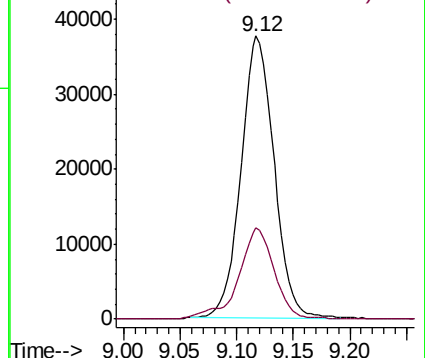
MMDadoda

6/17/2019 9:45:57 AM



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 21.273 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

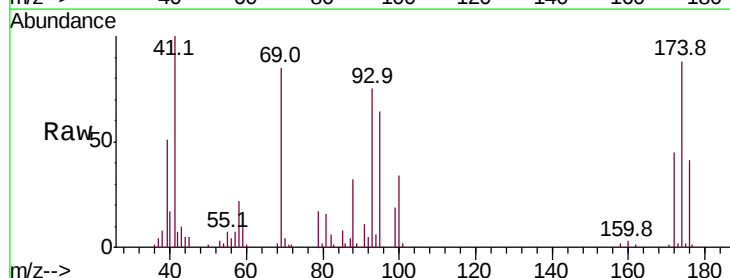
Tgt Ion: 93 Resp: 50935

Ion Ratio Lower Upper

93 100

95 85.3 0.0 169.0

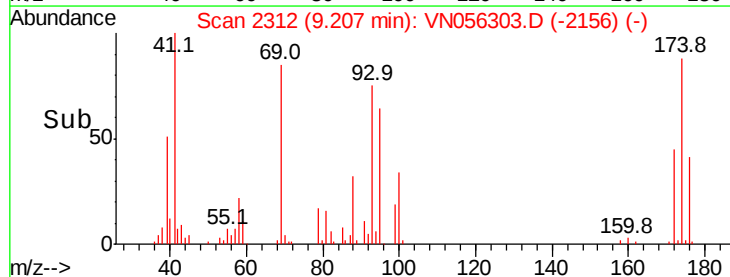
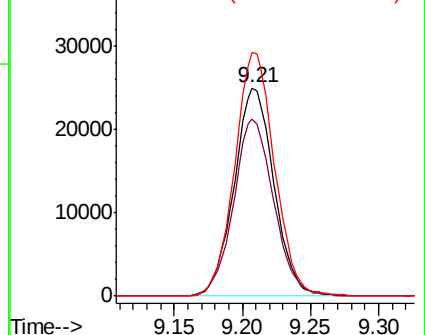
174 116.5 0.0 246.4

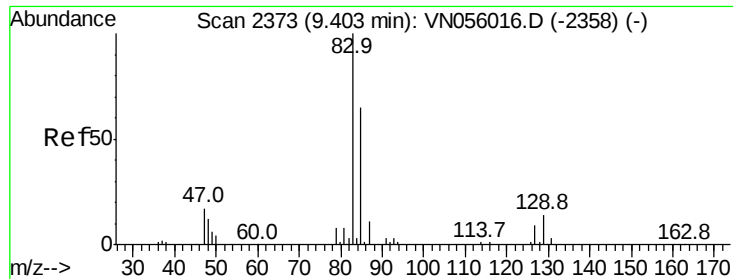


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 21.805 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Instrument :

MSVOA_N

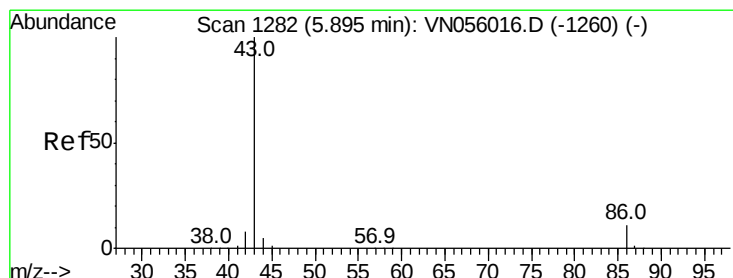
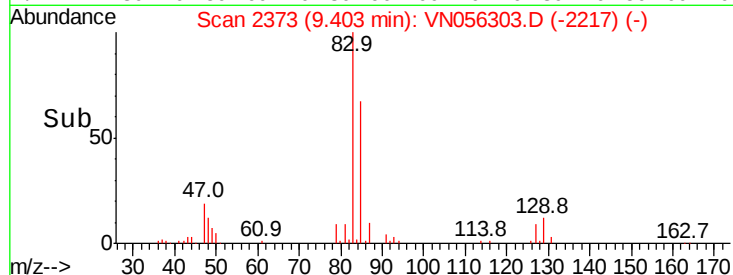
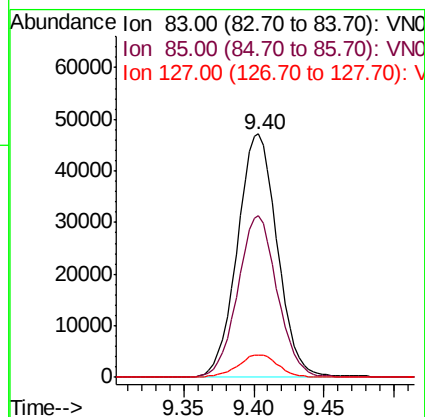
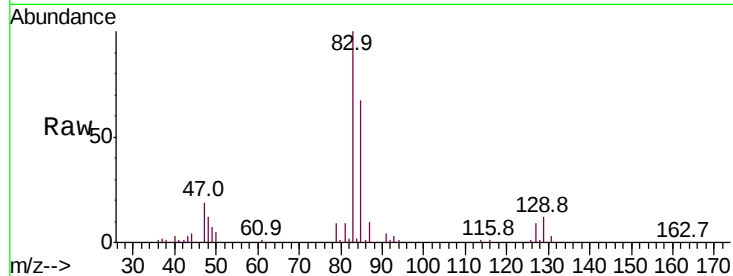
ClientSampleId :

VN0614WBS01

Tot Ion:	83	Resp:	93485
Ion Ratio	Lower	Upper	
83	100		
85	66.6	51.8	77.6
127	9.1	7.3	10.9

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#42

Vinyl Acetate

Concen: 106.259 ug/l

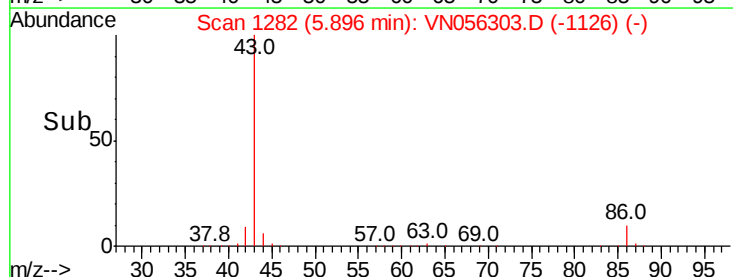
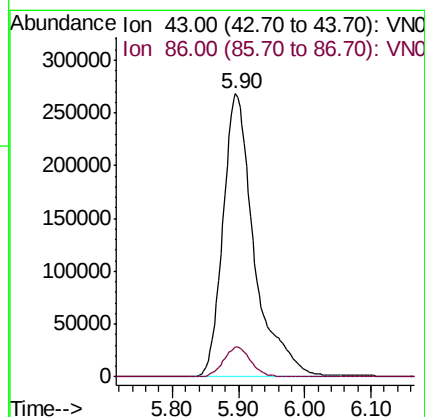
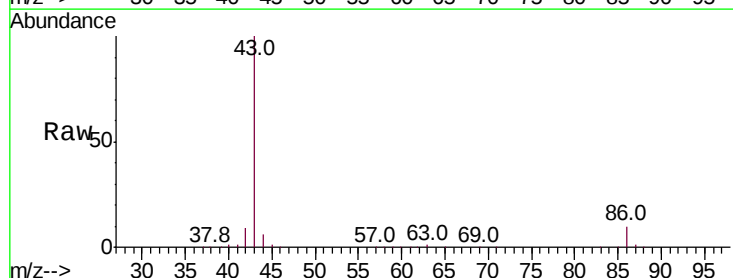
RT: 5.90 min Scan# 1282

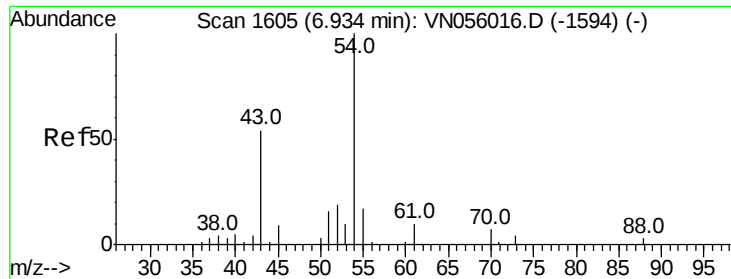
Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Tgt Ion:	43	Resp:	882541
Ion Ratio	Lower	Upper	
43	100		
86	9.2	7.9	11.9





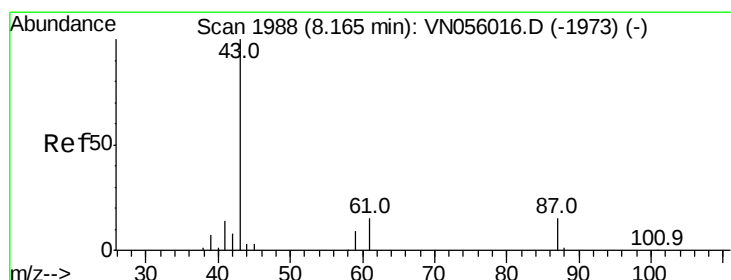
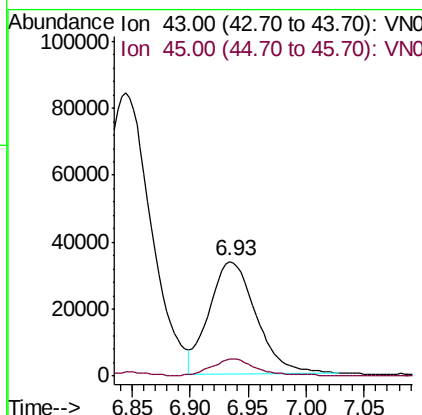
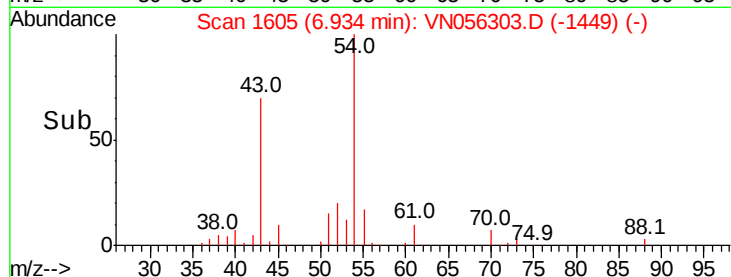
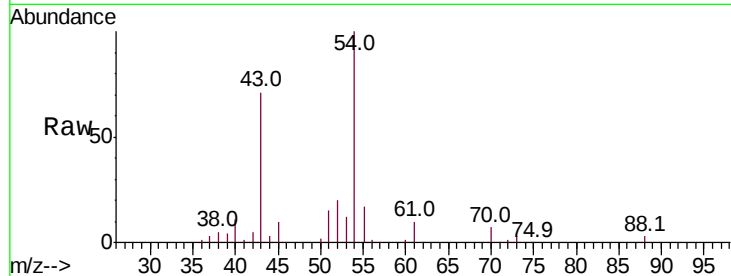
#43
Ethyl Acetate
Concen: 21.146 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion: 43 Resp: 94282
Ion Ratio Lower Upper
43 100
45 13.2 12.3 18.5

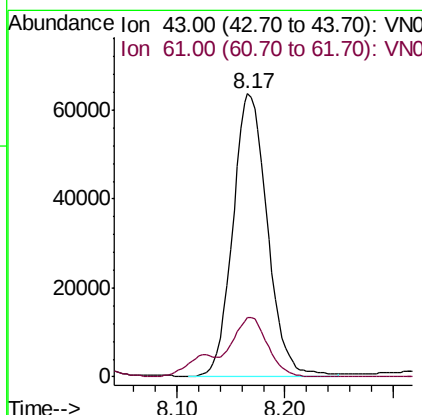
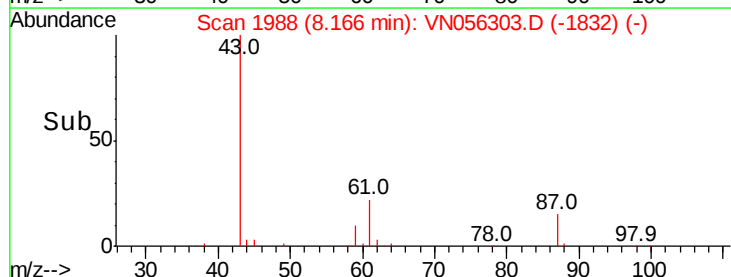
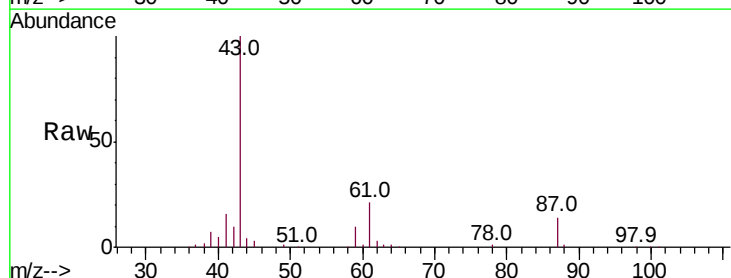
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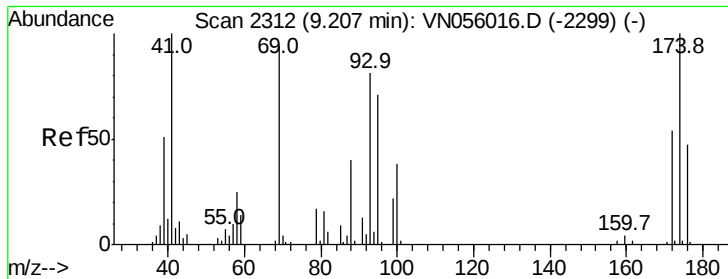
MMDadoda
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#44
Isopropyl Acetate
Concen: 20.377 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Tgt Ion: 43 Resp: 141062
Ion Ratio Lower Upper
43 100
61 21.4 16.9 25.3





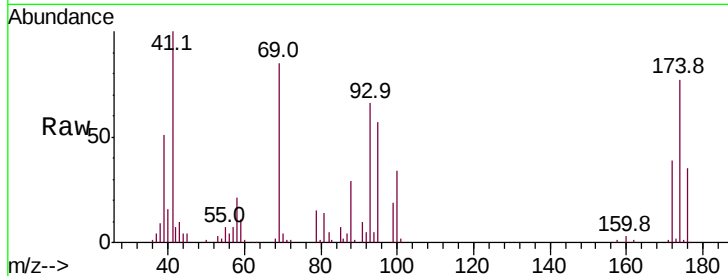
#45
 1,4-Dioxane
 Concen: 361.708 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.4	19.8	29.6
58	64.7	48.5	72.7

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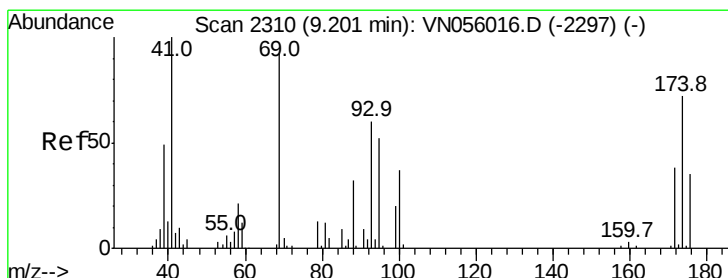
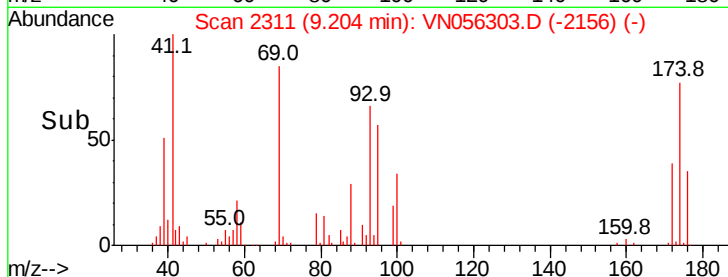
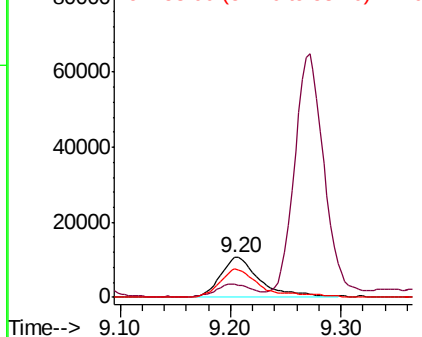


Abundance

Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#46
 Methyl methacrylate
 Concen: 20.467 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

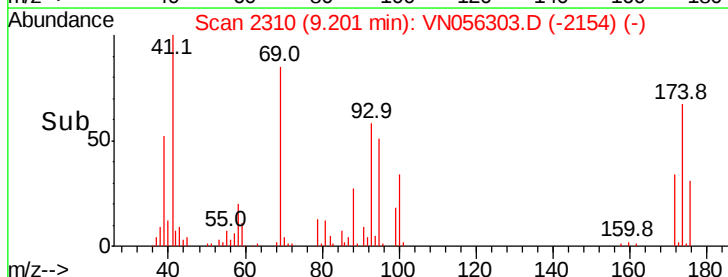
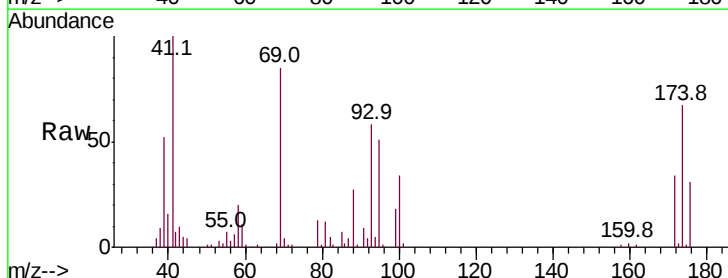
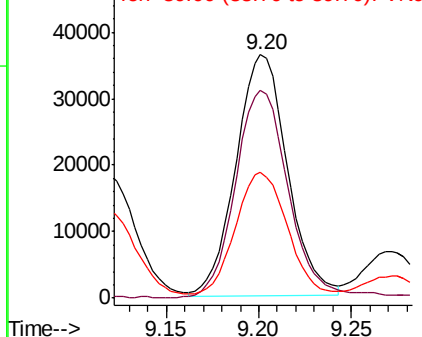
Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.4	46.0	137.8
39	51.2	24.6	73.8

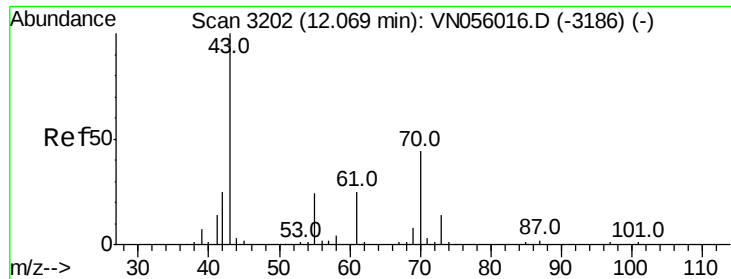
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#47

n-amvl Acetate

Concen: 19.680 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion: 43 Resp: 112665

Ion Ratio Lower Upper

43 100

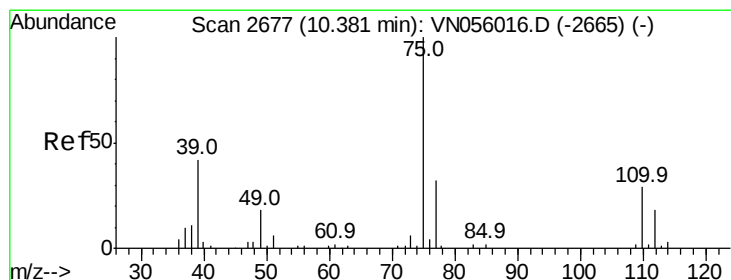
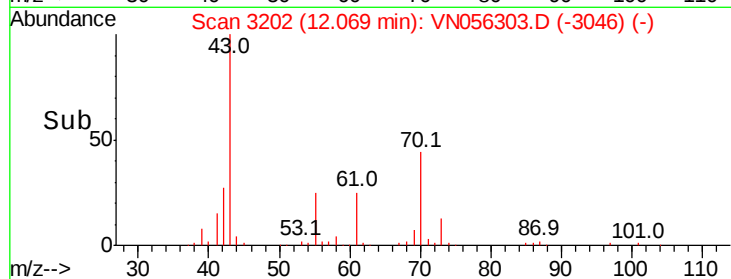
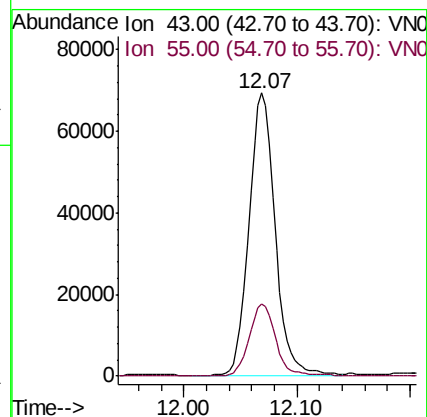
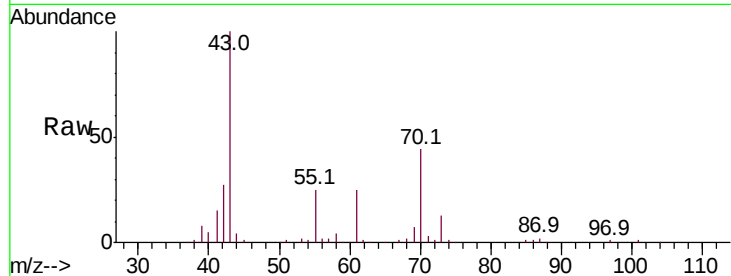
55 25.5 19.0 28.6

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#48

t-1,3-Dichloropropene

Concen: 19.844 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056303.D

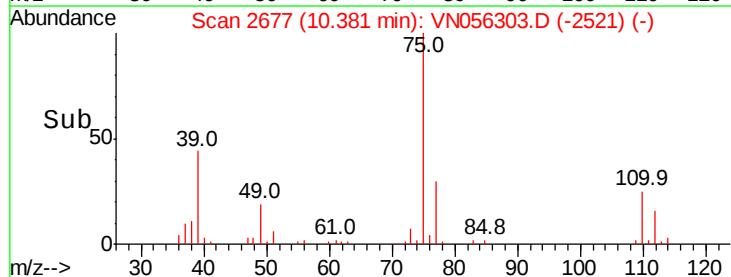
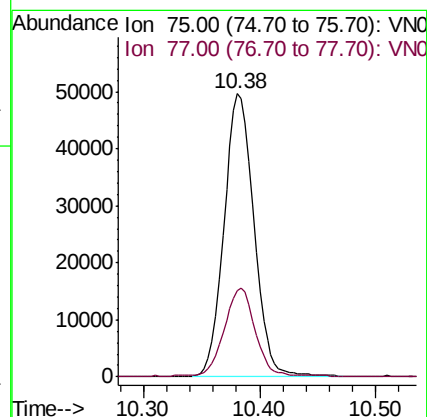
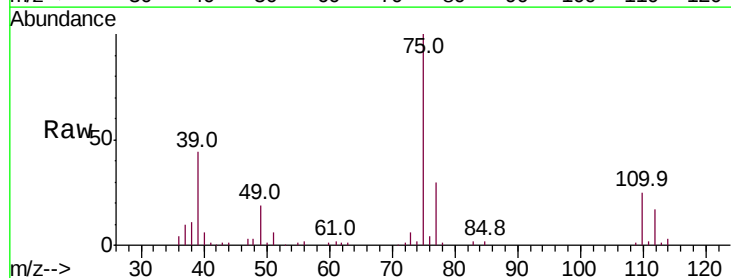
Acq: 14 Jun 2019 10:37

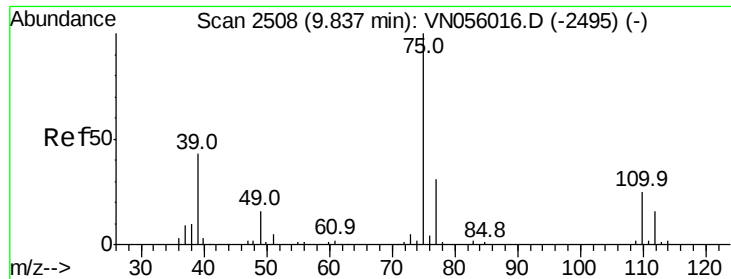
Tgt Ion: 75 Resp: 89536

Ion Ratio Lower Upper

75 100

77 30.1 26.0 39.0





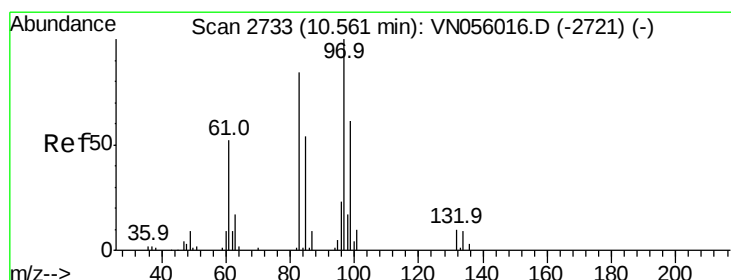
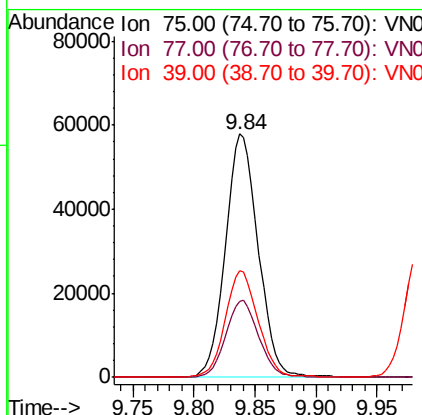
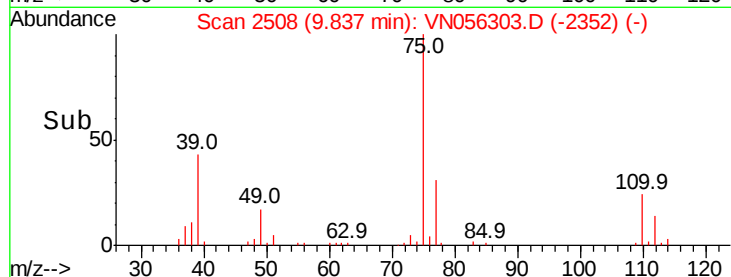
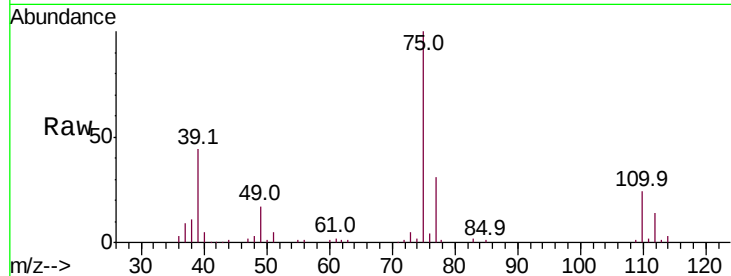
#49
 cis-1,3-Dichloropropene
 Concen: 20.531 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	31.4	25.1	37.7	
39	43.4	34.3	51.5	

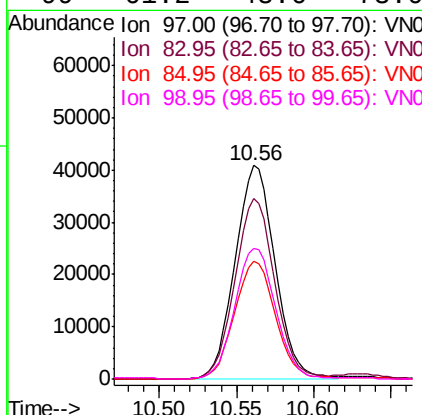
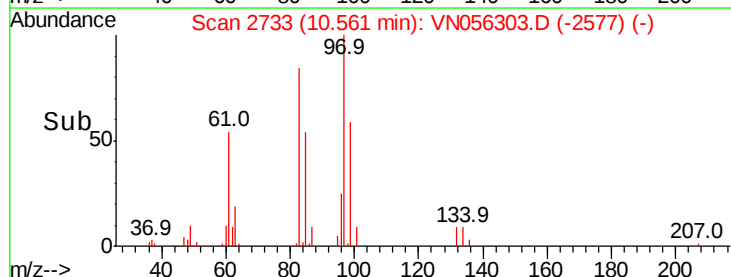
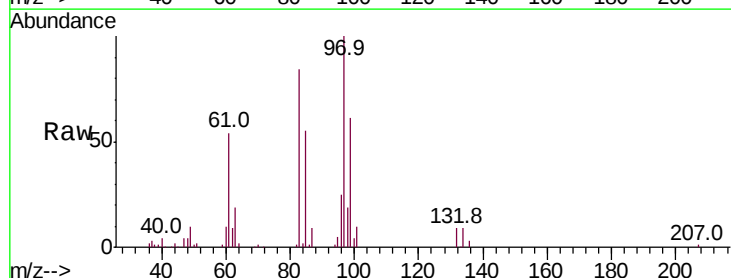
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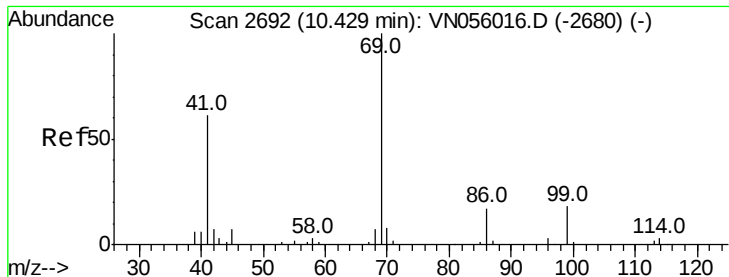
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#50
 1,1,2-Trichloroethane
 Concen: 20.657 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	84.3	66.9	100.3	
85	54.9	43.3	64.9	
99	61.2	48.6	73.0	





#51

Ethyl methacrylate

Concen: 19.468 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Instrument :

MSVOA_N

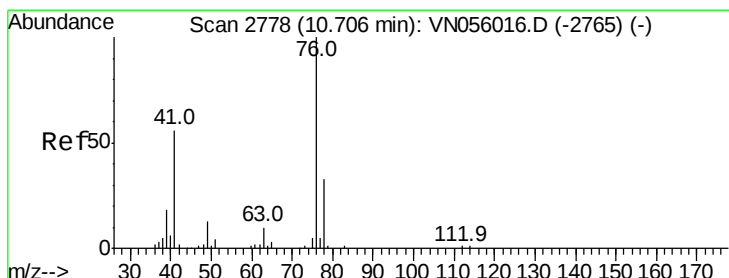
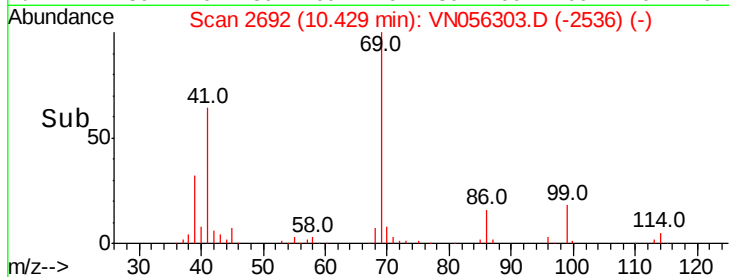
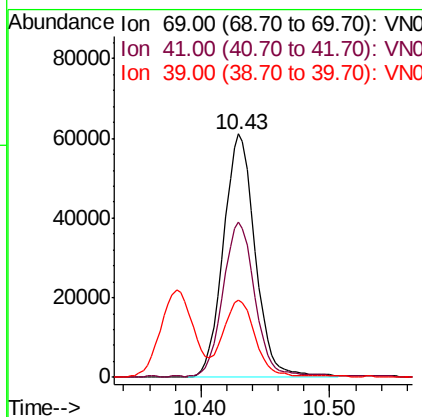
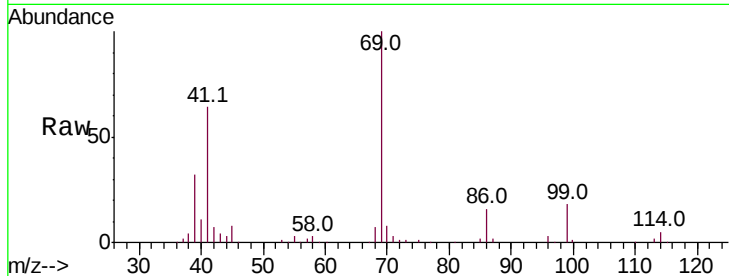
ClientSampleId :

VN0614WBS01

Tot Ion:	69	Resp:	104741
Ion Ratio	Lower	Upper	
69	100		
41	63.3	30.8	92.3
39	31.3	14.5	43.6

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#52

1,3-Dichloropropane

Concen: 21.121 ug/l

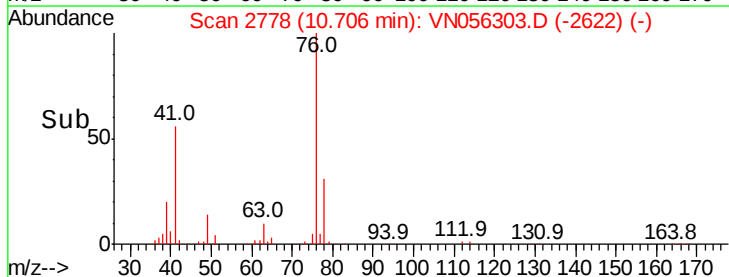
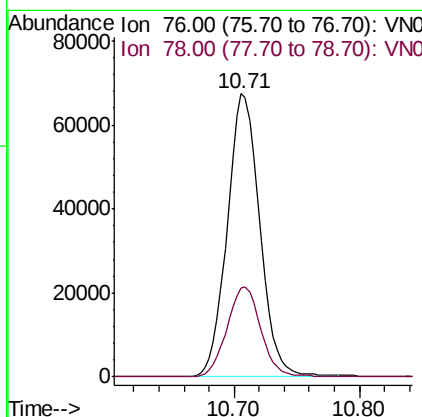
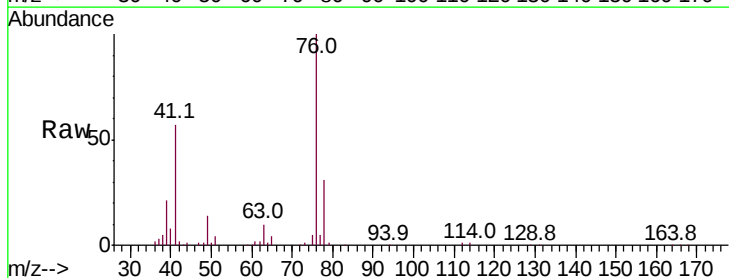
RT: 10.71 min Scan# 2778

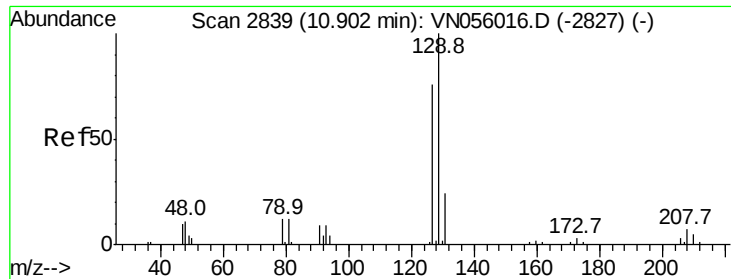
Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Tgt Ion:	76	Resp:	121771
Ion Ratio	Lower	Upper	
76	100		
78	33.0	0.0	63.4





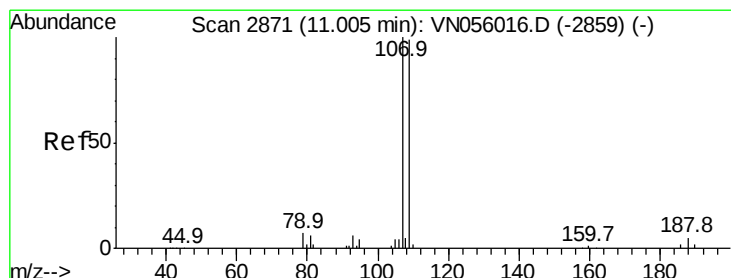
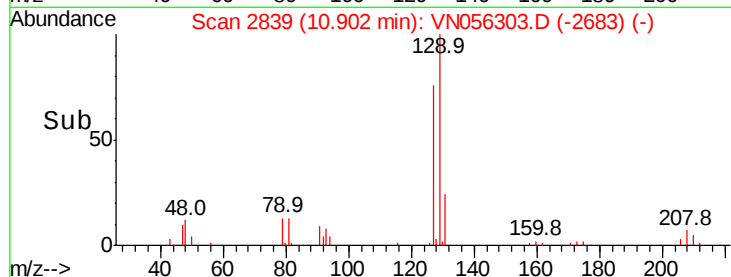
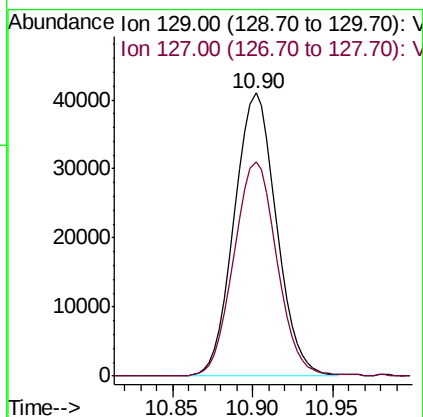
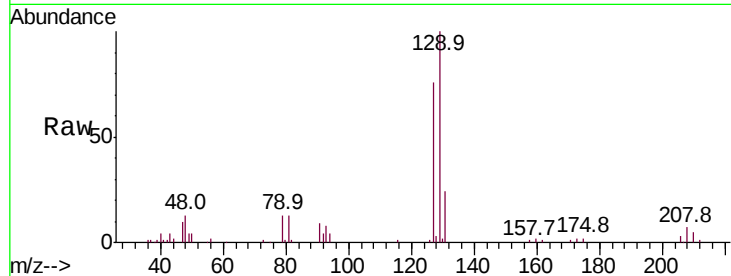
#53
 Dibromochloromethane
 Concen: 21.232 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBS01

Tot Ion:129 Resp: 73915
 Ion Ratio Lower Upper
 129 100
 127 77.4 39.1 117.5

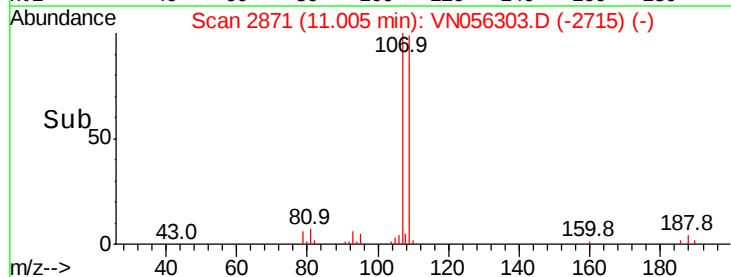
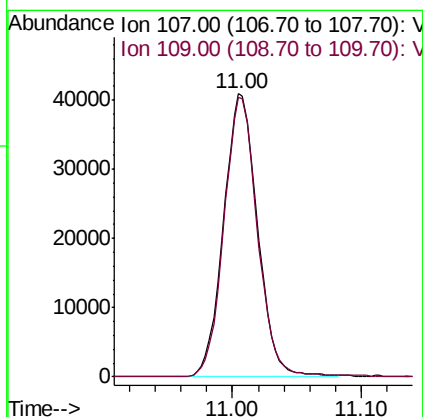
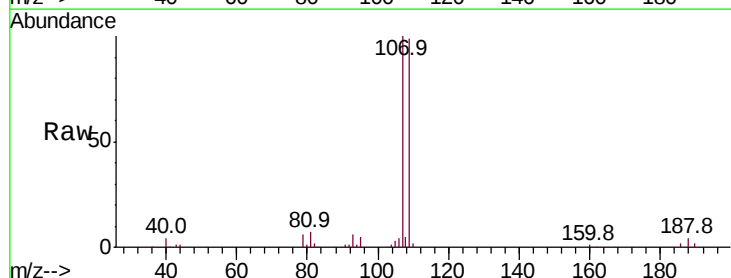
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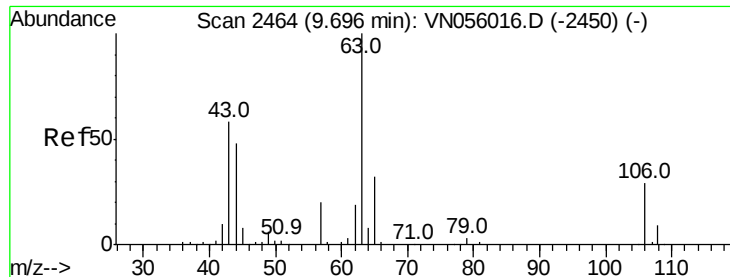
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#54
 1,2-Dibromoethane
 Concen: 20.130 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Tgt Ion:107 Resp: 74702
 Ion Ratio Lower Upper
 107 100
 109 97.4 76.8 115.2





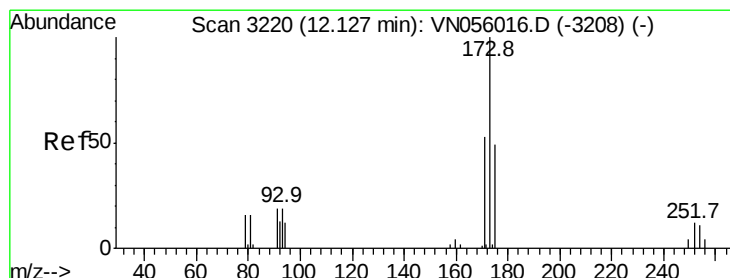
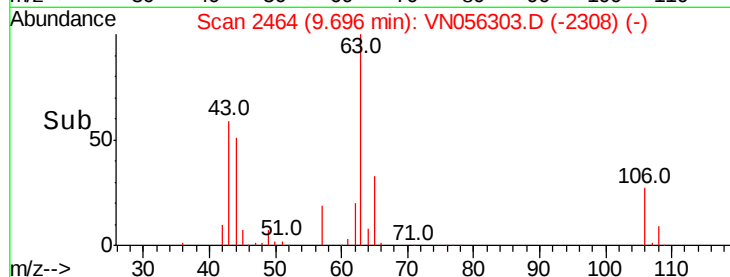
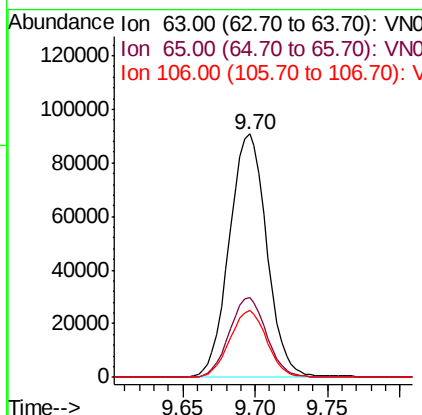
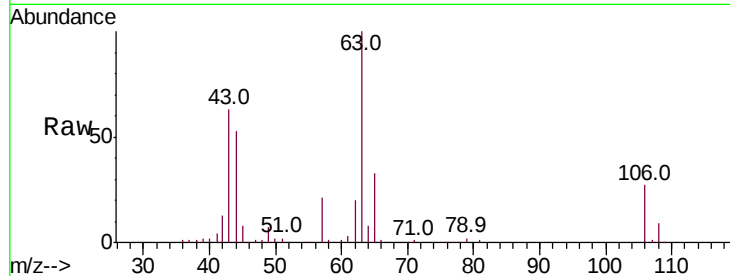
#55
2-Chloroethyl vinyl ether
Concen: 86.488 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.5	38.3
106	27.2	23.0	34.4

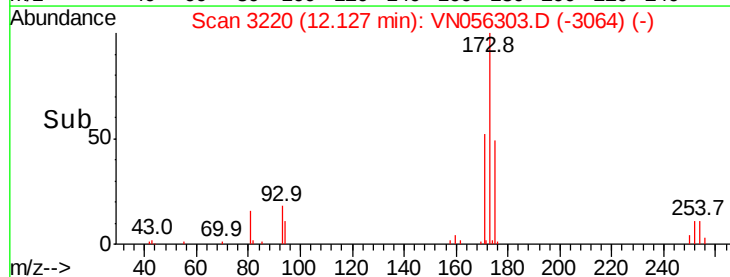
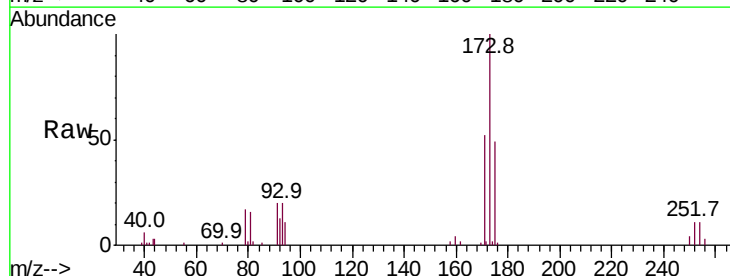
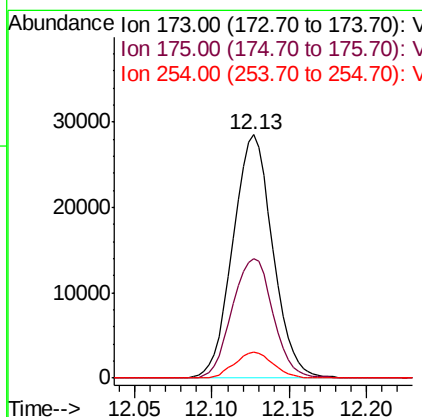
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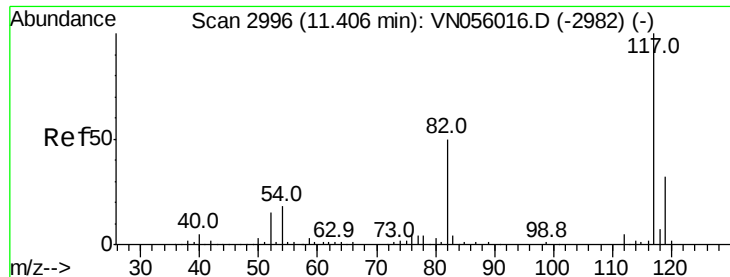
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#56
Bromoform
Concen: 20.316 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.3	38.7	58.1
254	10.4	6.6	9.8#





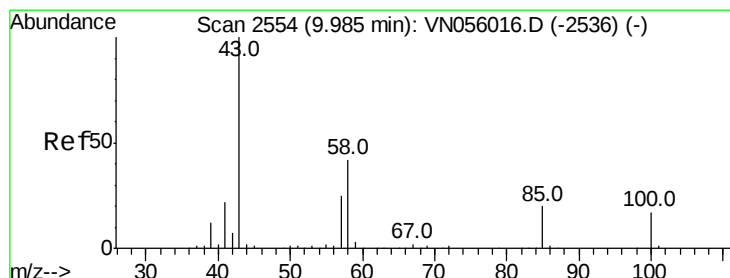
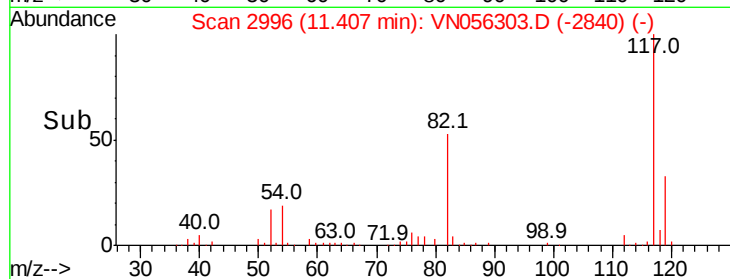
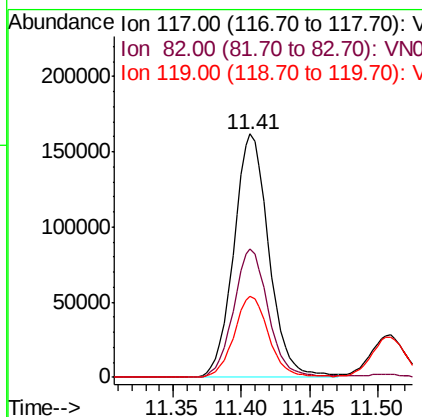
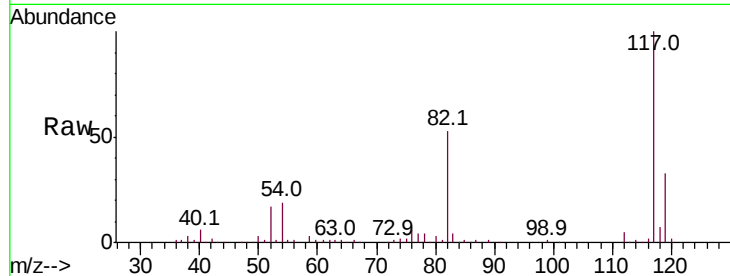
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	289136		
82	51.8	41.2	61.8	
119	32.8	26.2	39.2	

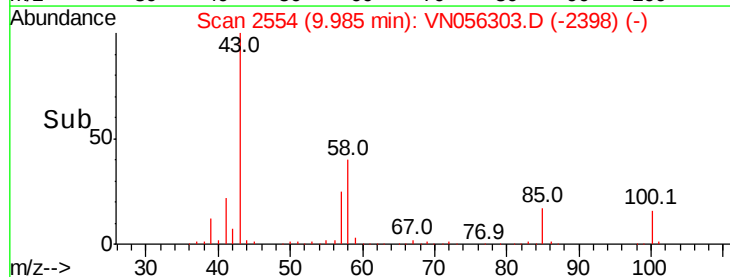
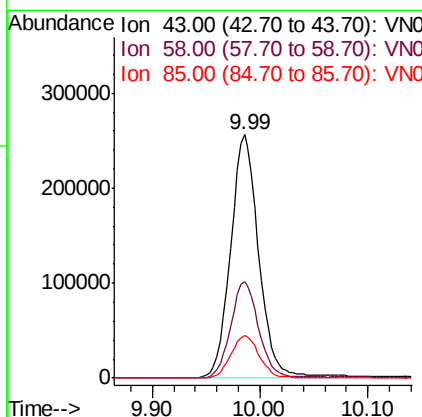
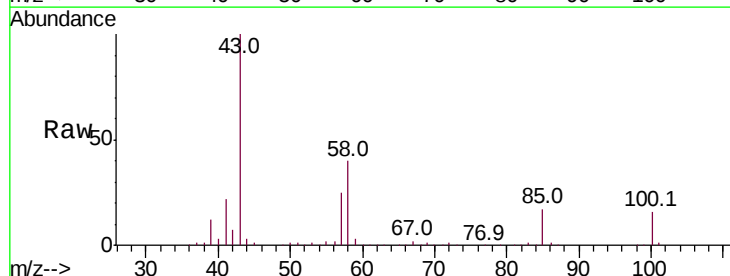
Manual Integrations
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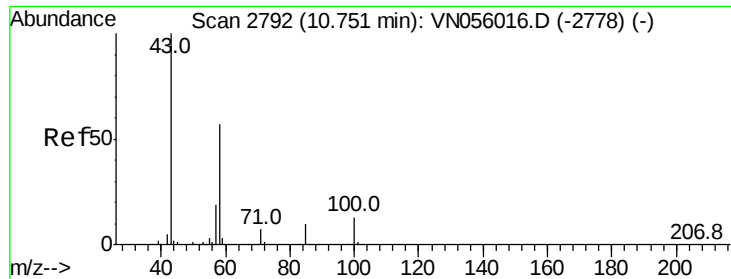
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 106.447 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	466052		
58	39.8	33.1	49.7	
85	17.8	15.5	23.3	





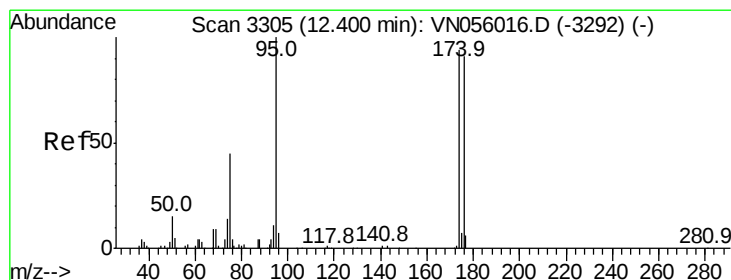
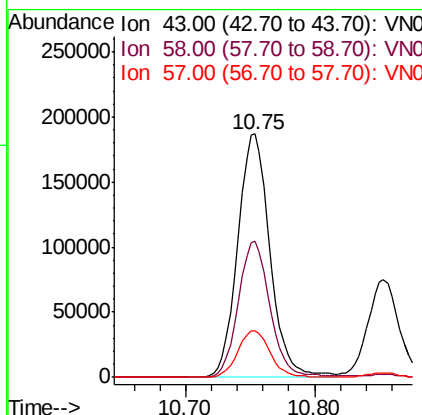
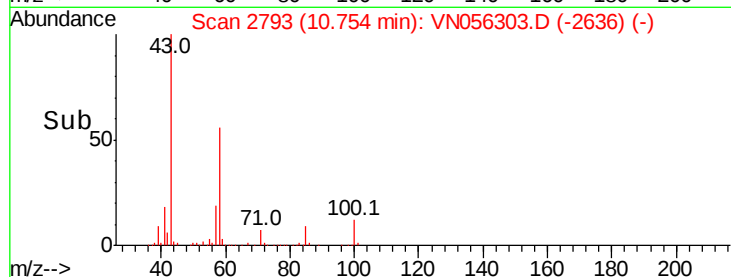
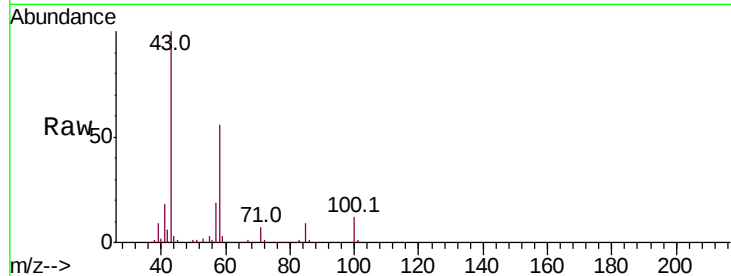
#59
2-Hexanone
Concen: 103.774 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	45.3	67.9
57	19.4	15.6	23.4

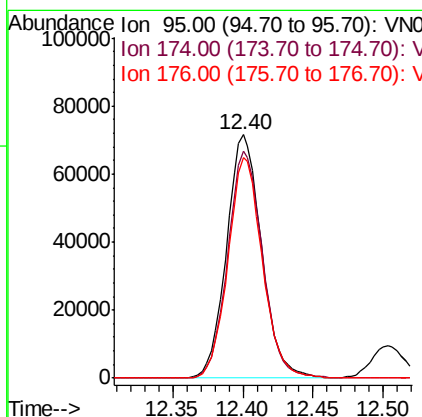
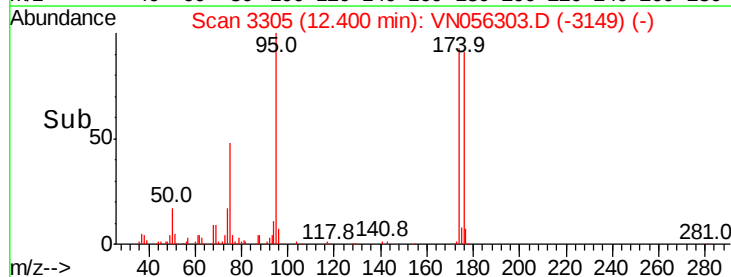
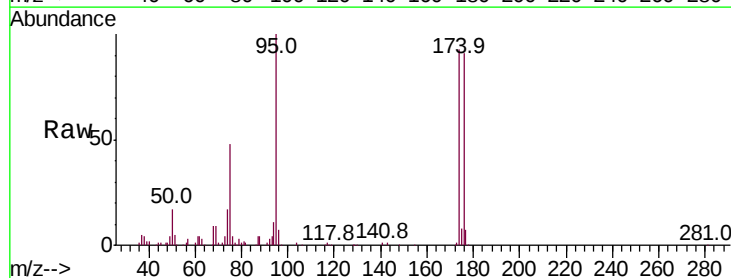
Manual Integrations
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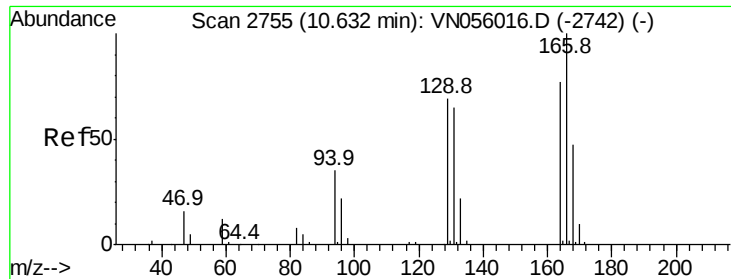
MMDadoda
6/17/2019 9:45:57 AM



#60
4-Bromofluorobenzene
Concen: 28.992 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.4	75.4	113.0
176	89.0	73.9	110.9





#61

Tetrachloroethene

Concen: 18.862 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion:164 Resp: 76009

Ion Ratio Lower Upper

164 100

166 128.5 104.3 156.5

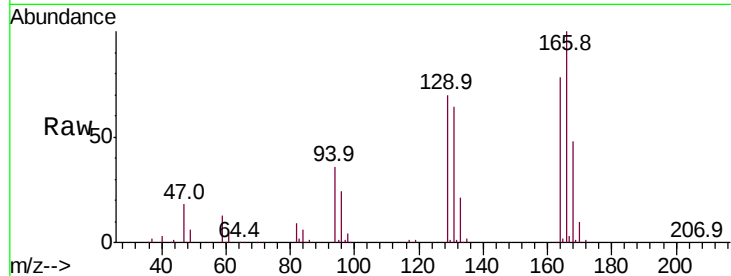
129 89.1 71.5 107.3

131 82.6 67.7 101.5

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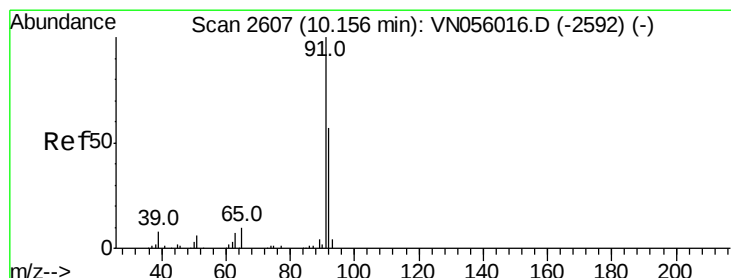
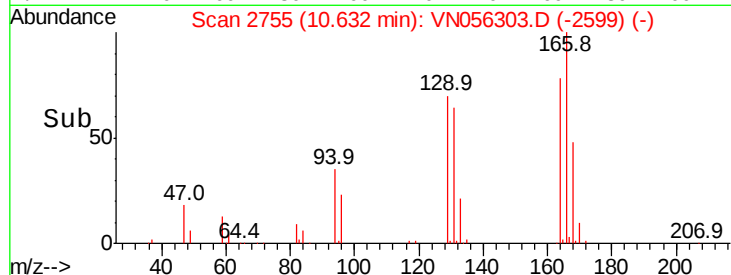
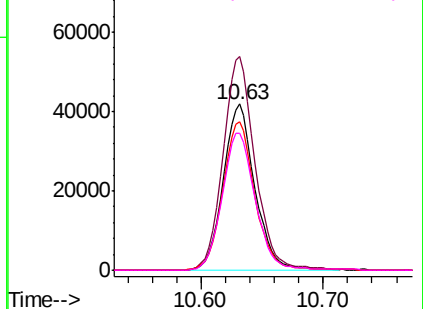
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.193 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056303.D

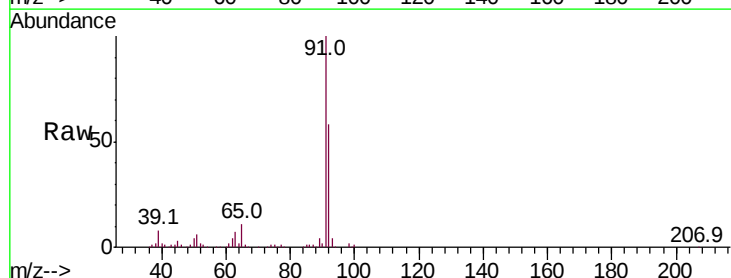
Acq: 14 Jun 2019 10:37

Tgt Ion: 91 Resp: 315186

Ion Ratio Lower Upper

91 100

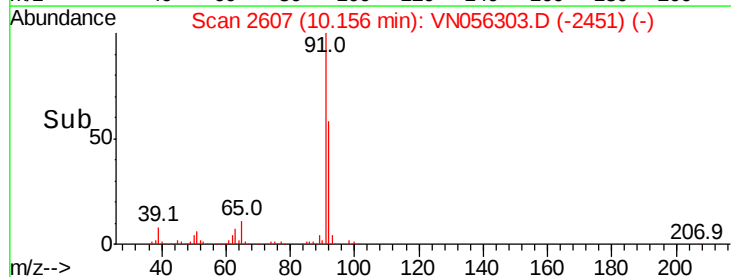
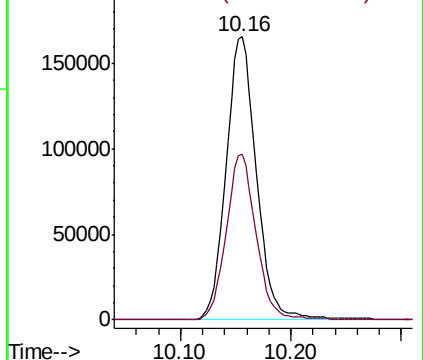
92 58.0 45.5 68.3

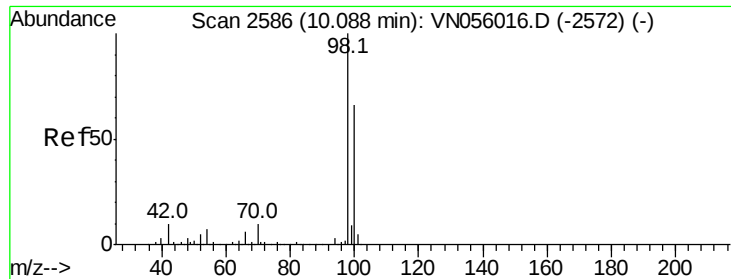


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 31.119 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion: 98 Resp: 408159

Ion Ratio Lower Upper

98 100

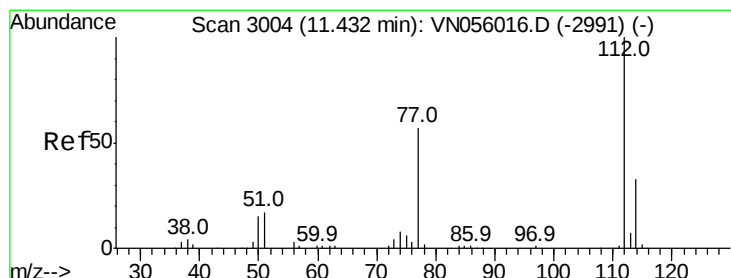
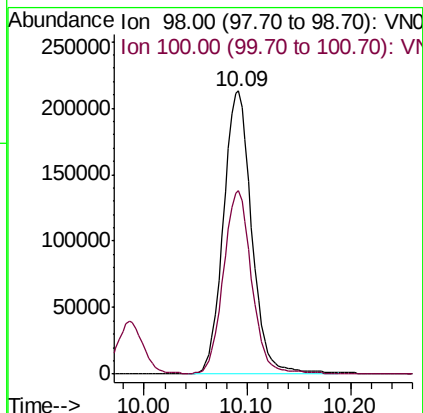
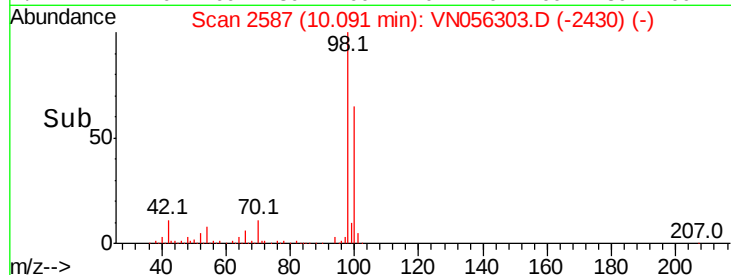
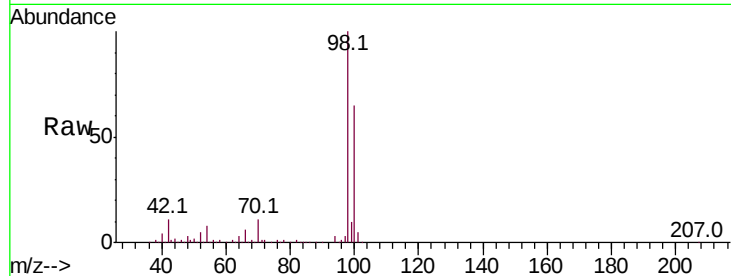
100 63.8 52.2 78.4

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#64

Chlorobenzene

Concen: 20.413 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056303.D

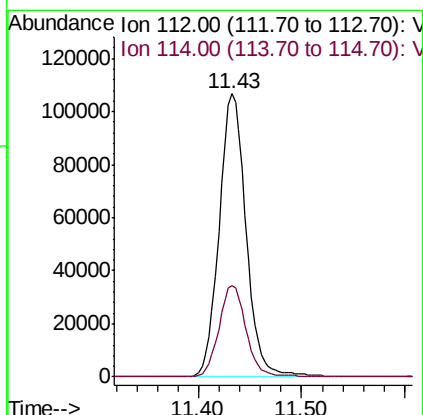
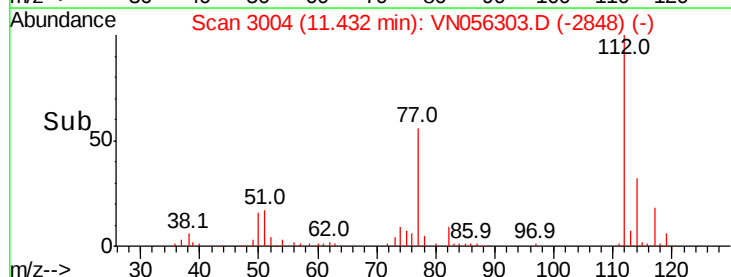
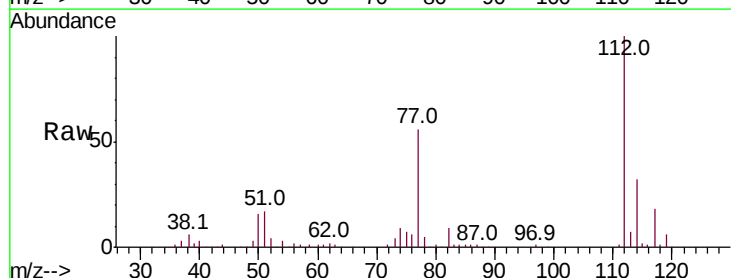
Acq: 14 Jun 2019 10:37

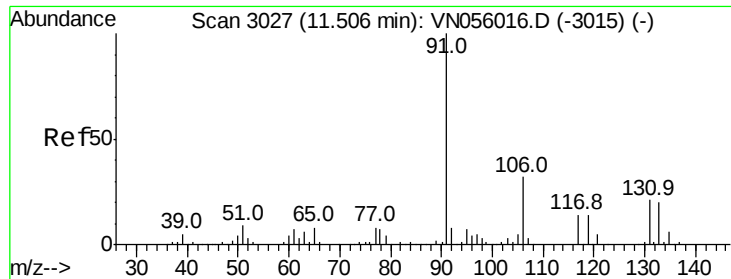
Tgt Ion: 112 Resp: 193269

Ion Ratio Lower Upper

112 100

114 32.5 26.1 39.1





#65

1,1,1,2-Tetrachloroethane

Concen: 20.939 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Instrument :

MSVOA_N

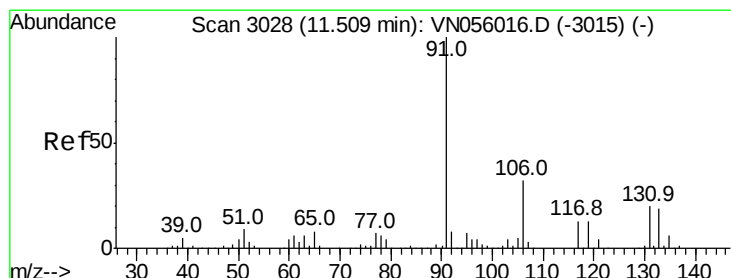
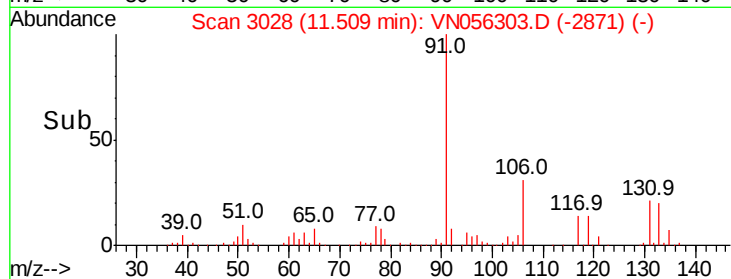
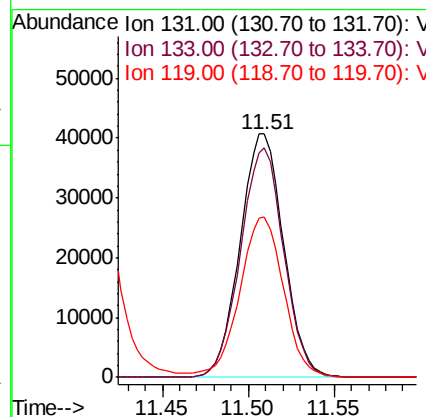
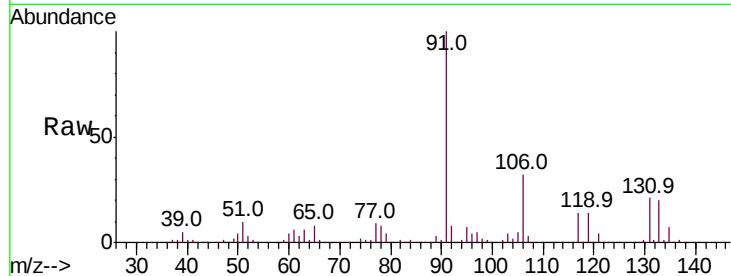
ClientSampled :

VN0614WBS01

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.6	0.0	193.8
119	66.2	0.0	134.4

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#66

Ethyl Benzene

Concen: 19.950 ug/l

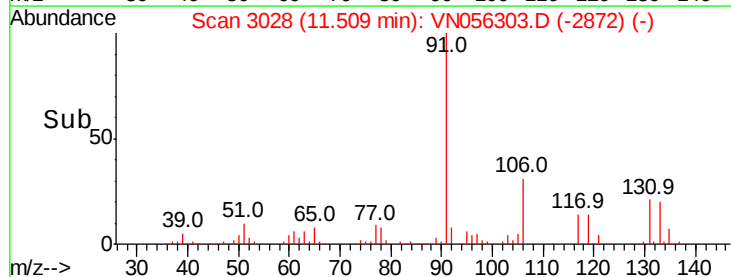
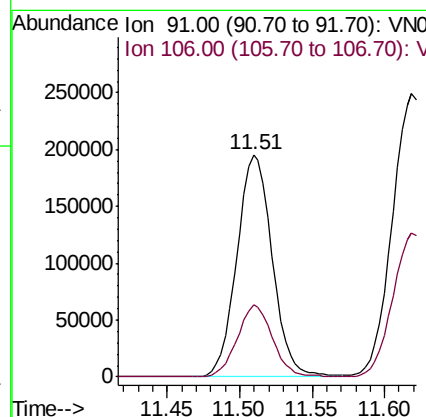
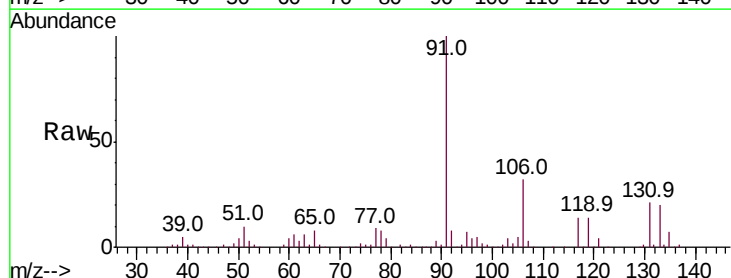
RT: 11.51 min Scan# 3028

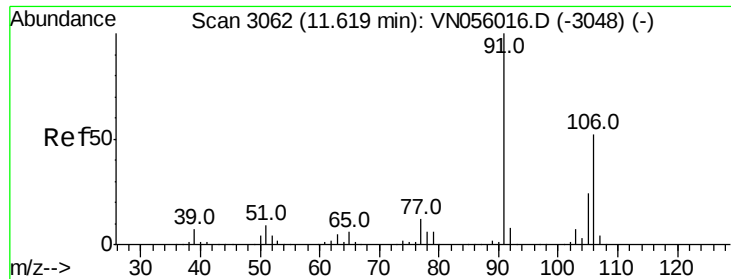
Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.7	38.5





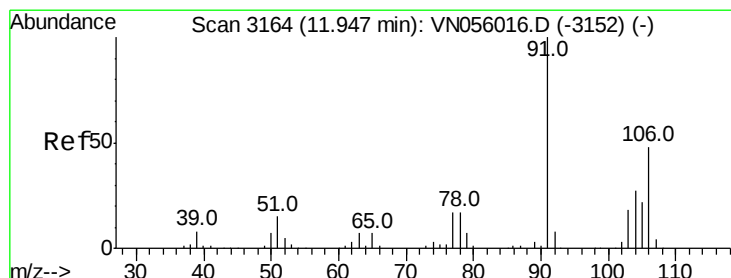
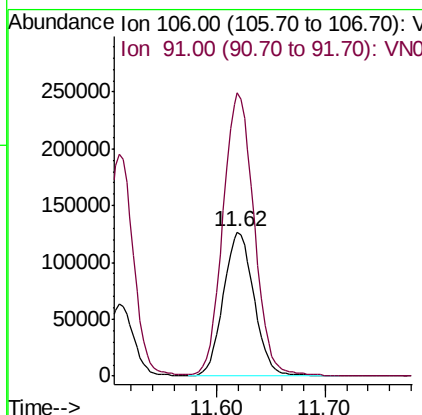
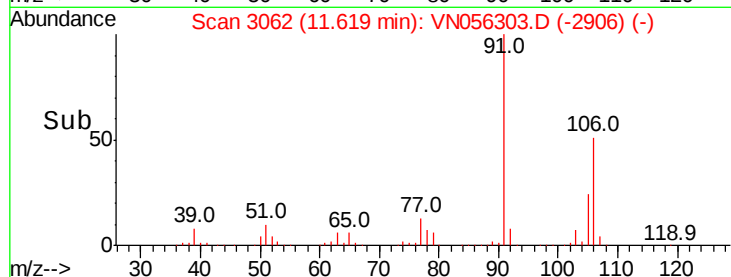
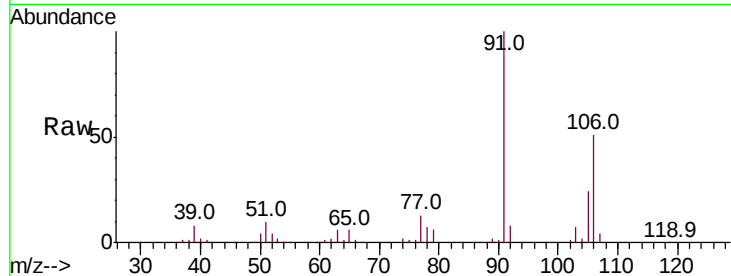
#67
m/p-Xylenes
Concen: 39.588 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampled :
VN0614WBS01

Tot Ion:106 Resp: 251913
Ion Ratio Lower Upper
106 100
91 198.9 155.7 233.5

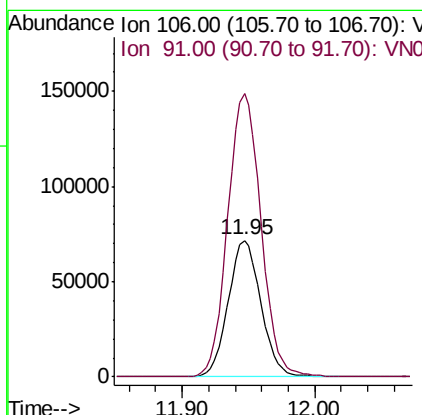
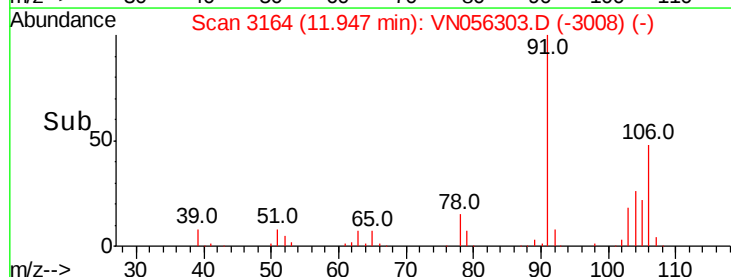
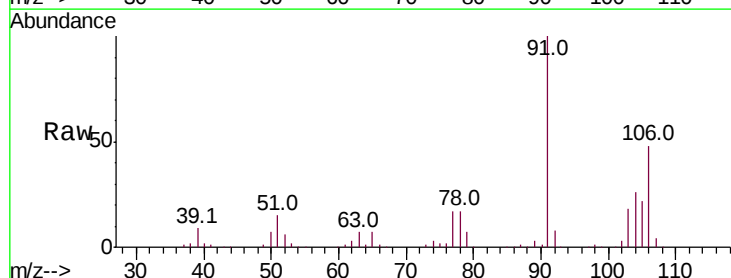
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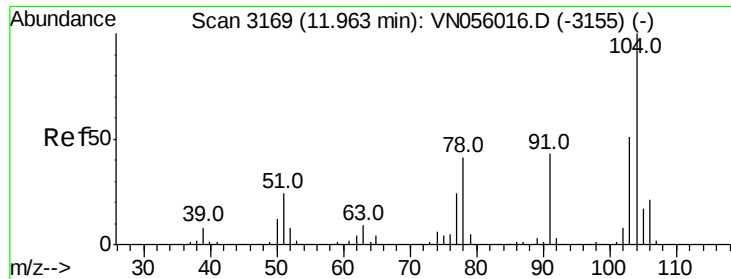
MMDadoda
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#68
o-Xylene
Concen: 19.737 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Tgt Ion:106 Resp: 122957
Ion Ratio Lower Upper
106 100
91 211.4 103.9 311.7





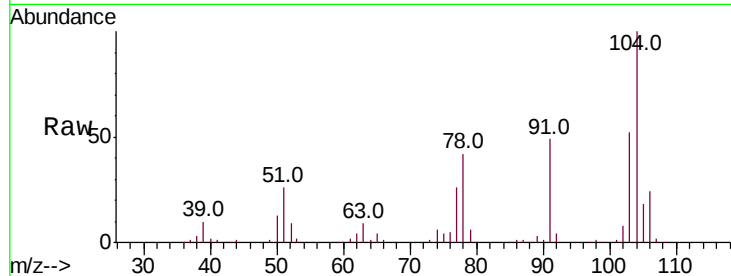
#69
Stvrene
Concen: 19.648 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

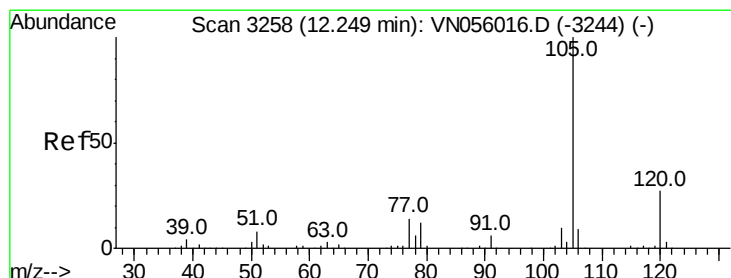
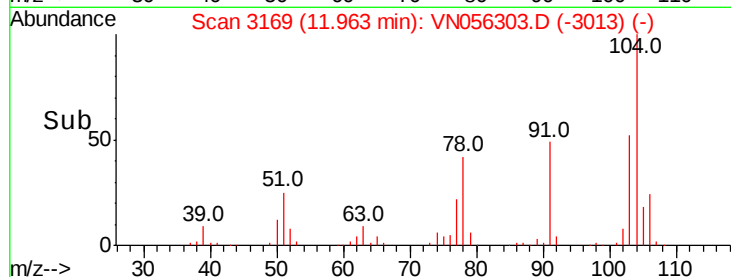
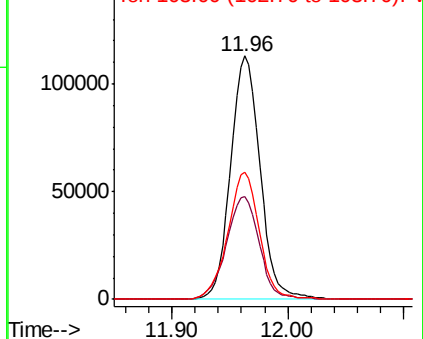
Tot Ion	Ratio	Lower	Upper
104	100		
78	47.3	37.0	55.6
103	55.8	44.4	66.6

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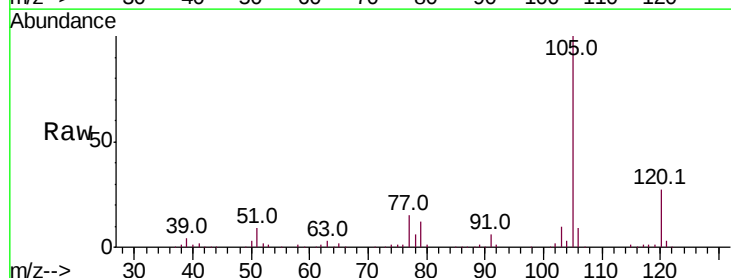


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

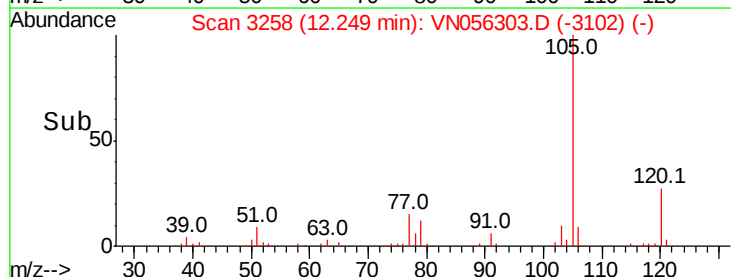
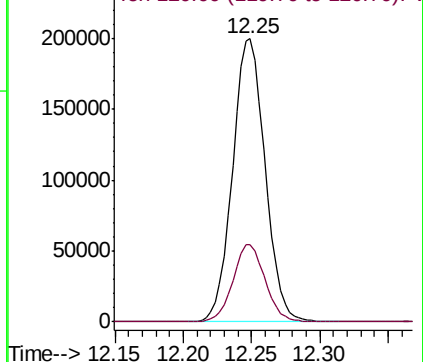


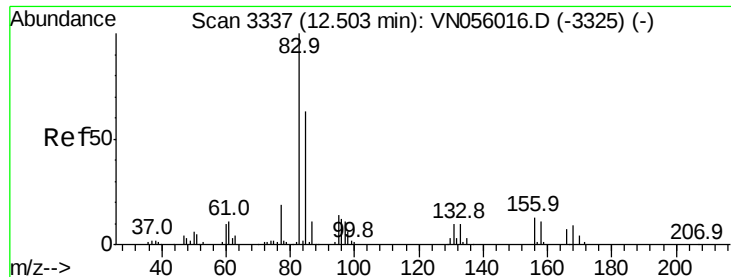
#70
Isopropylbenzene
Concen: 20.302 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	19.3	35.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





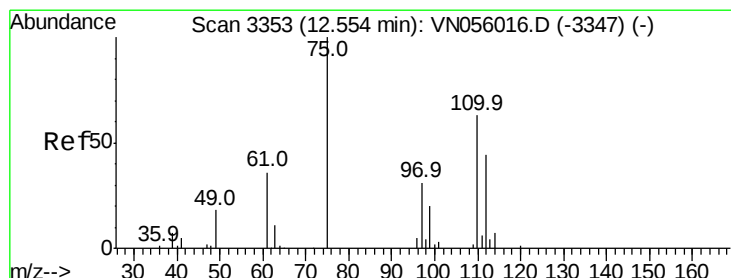
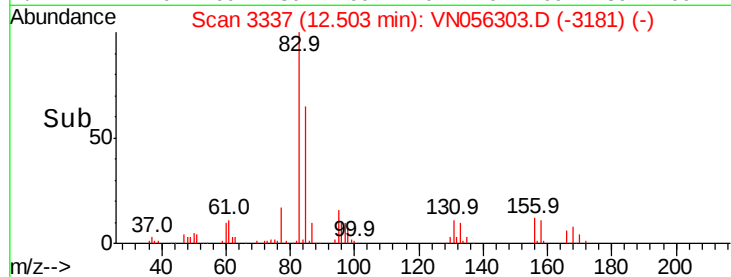
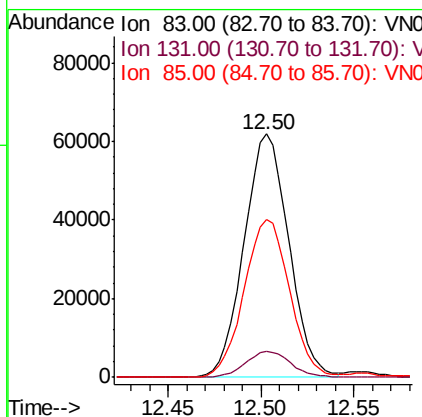
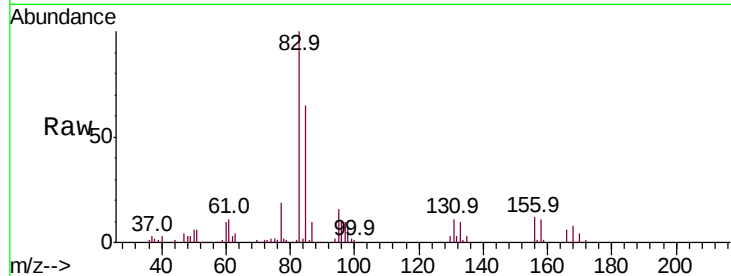
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.195 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBS01

Tot Ion	83	Resp	104008
Ion Ratio	100	Lower	Upper
83	10.7	5.2	15.6
131	65.7	31.6	94.7
85			

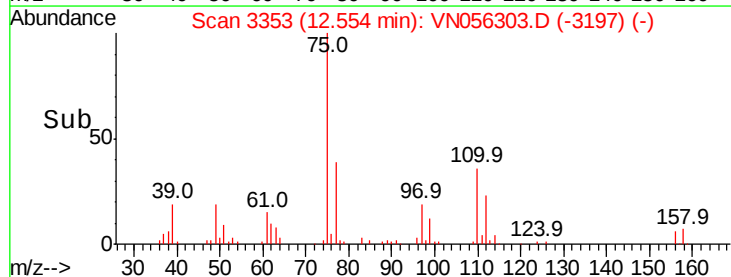
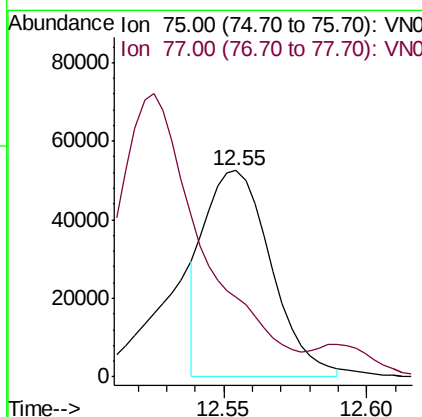
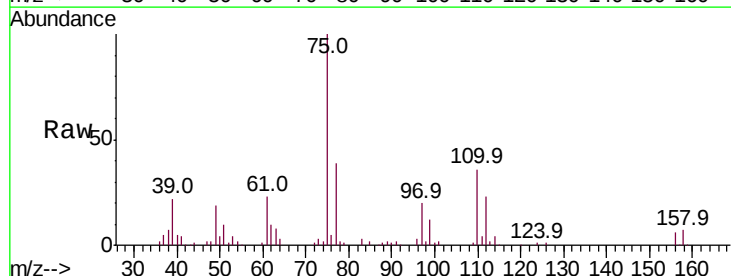
Manual Integrations
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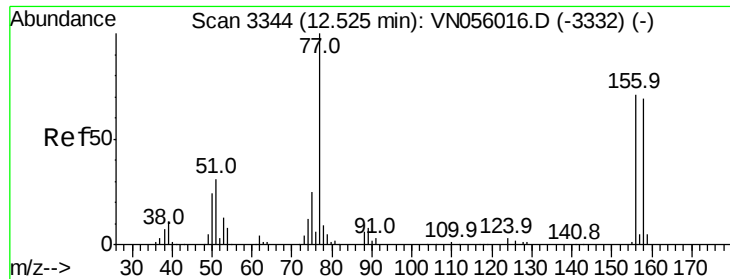
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#72
 1,2,3-Trichloropropane
 Concen: 20.002 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Tgt Ion	75	Resp	84974
Ion Ratio	100	Lower	Upper
75	181.1	0.0	350.0
77			





#73

Bromobenzene

Concen: 19.308 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Instrument :

MSVOA_N

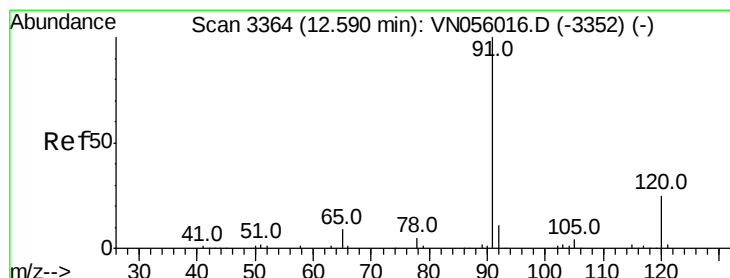
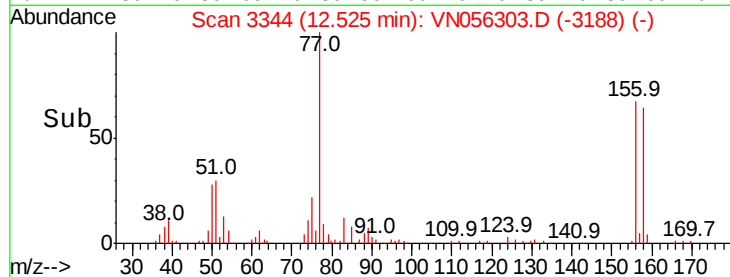
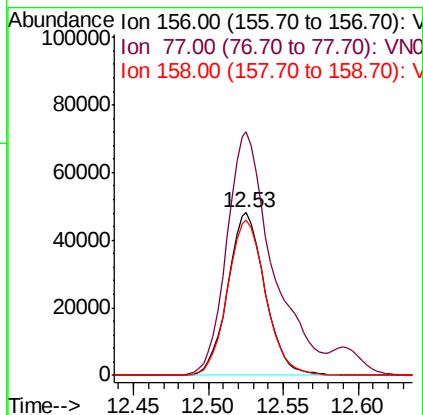
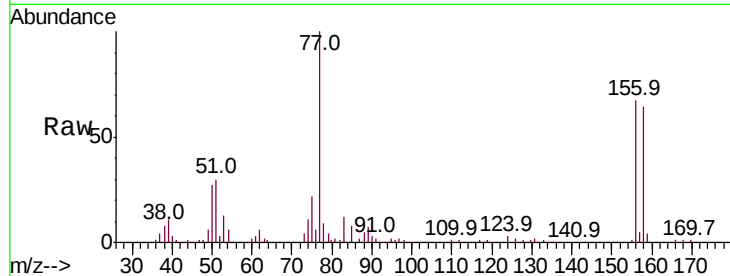
ClientSampleId :

VN0614WBS01

Tot Ion:	156	Resp:	83418
Ion	Ratio	Lower	Upper
156	100		
77	184.5	0.0	350.8
158	97.5	0.0	193.2

Manual Integrations
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#74

n-propylbenzene

Concen: 20.269 ug/l

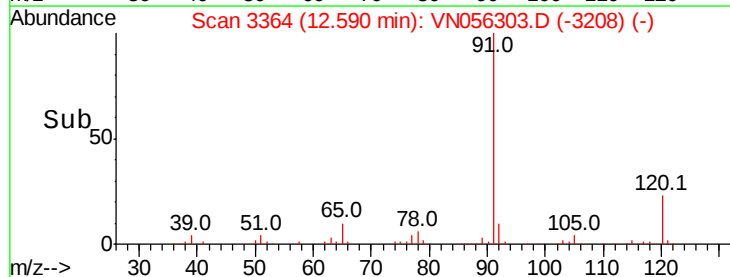
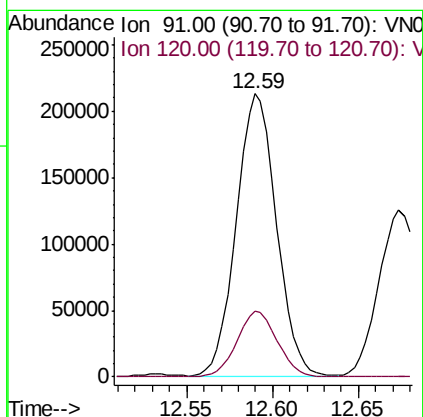
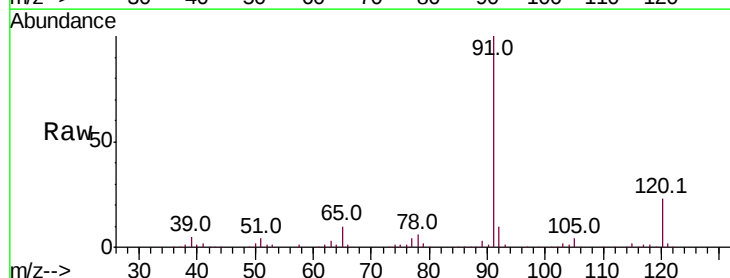
RT: 12.59 min Scan# 3364

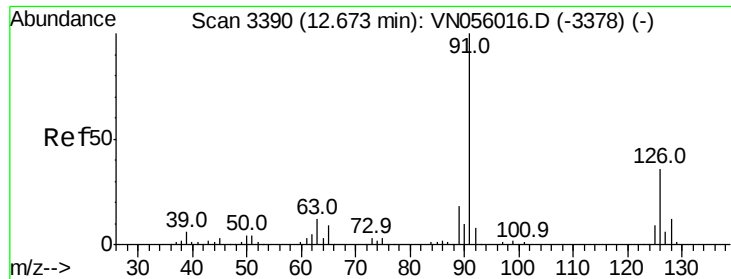
Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Tgt Ion:	91	Resp:	348164
Ion	Ratio	Lower	Upper
91	100		
120	23.1	0.0	48.6





#75

2-Chlorotoluene

Concen: 20.230 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion: 91 Resp: 215531

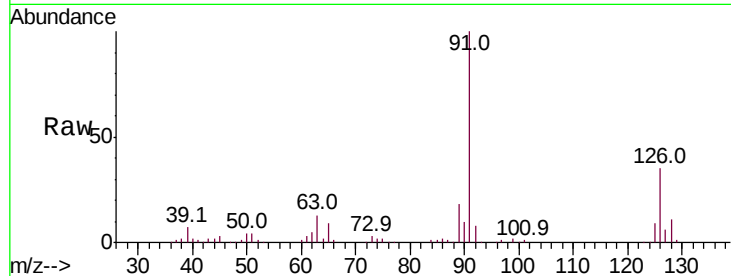
Ion Ratio Lower Upper

91 100

126 35.5 0.0 72.4

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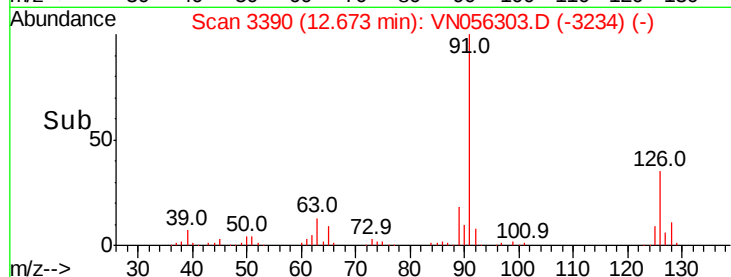
MMDadoda
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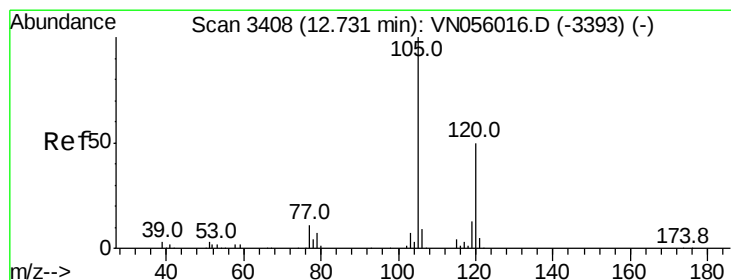
Abundance Ion 91.00 (90.70 to 91.70): VN056016.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN056016.D (-3378) (-)

12.67



Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.802 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056303.D

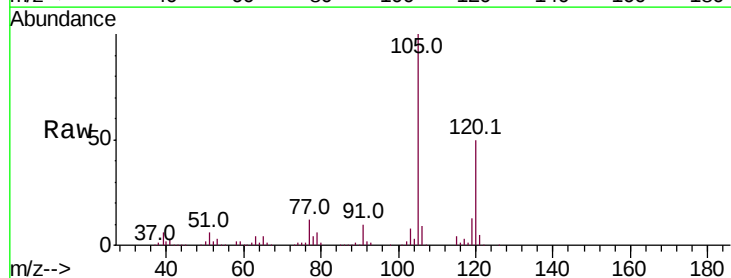
Acq: 14 Jun 2019 10:37

Tgt Ion:105 Resp: 265116

Ion Ratio Lower Upper

105 100

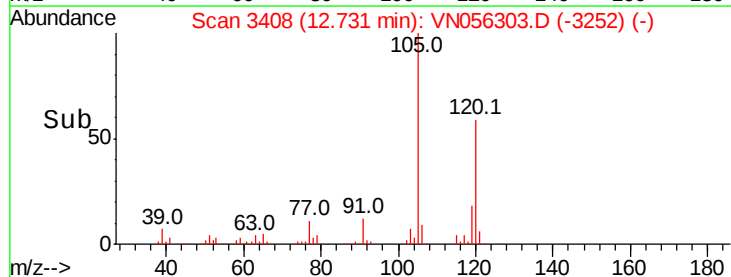
120 49.6 0.0 100.6



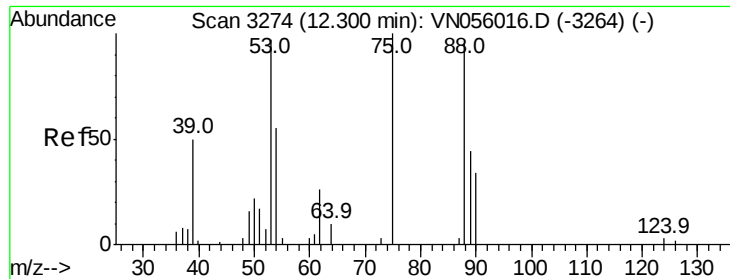
Abundance Ion 105.00 (104.70 to 105.70): VN056016.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056016.D (-3393) (-)

12.73



Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 17.230 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion: 75 Resp: 20886

Ion Ratio Lower Upper

75 100

53 105.1 48.0 144.0

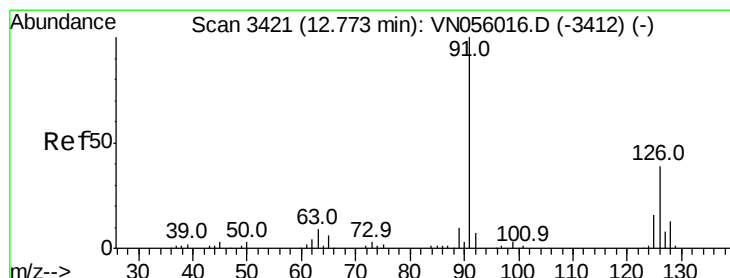
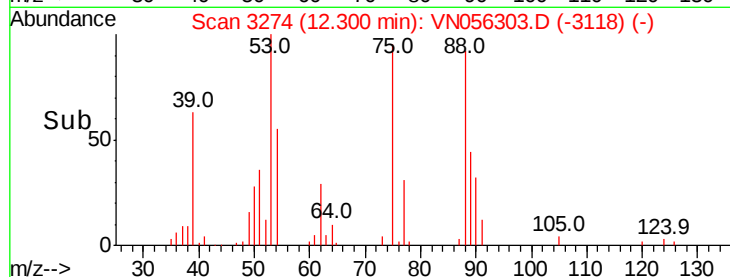
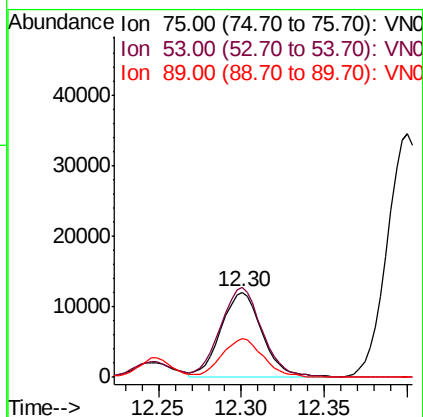
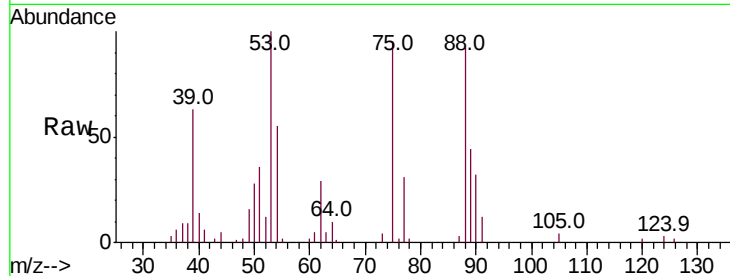
89 45.9 22.5 67.5

Manual Integrations

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#78

4-Chlorotoluene

Concen: 19.666 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056303.D

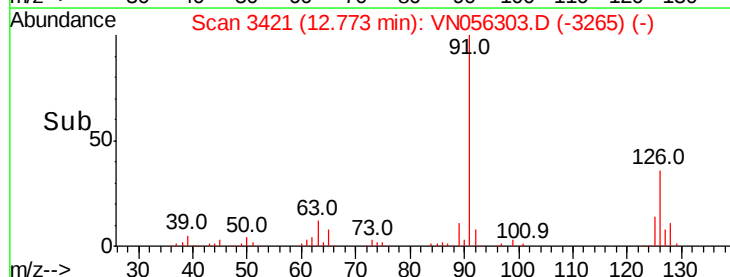
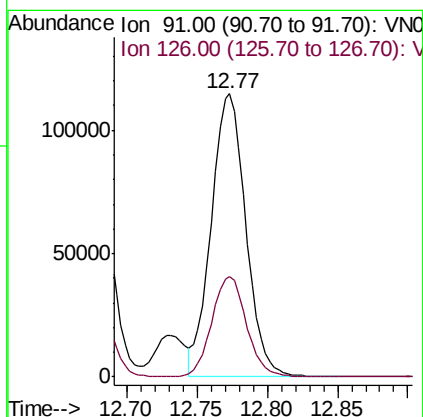
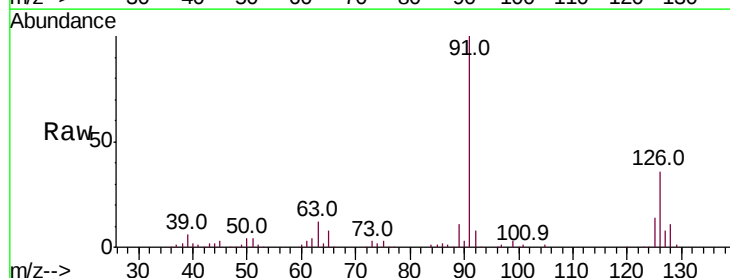
Acq: 14 Jun 2019 10:37

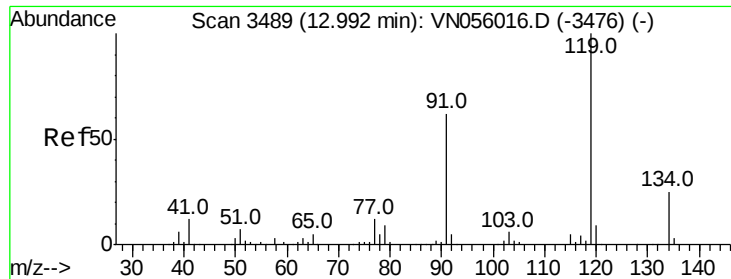
Tgt Ion: 91 Resp: 195680

Ion Ratio Lower Upper

91 100

126 35.4 0.0 71.8





#79

tert-butylbenzene

Concen: 19.802 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Instrument :

MSVOA_N

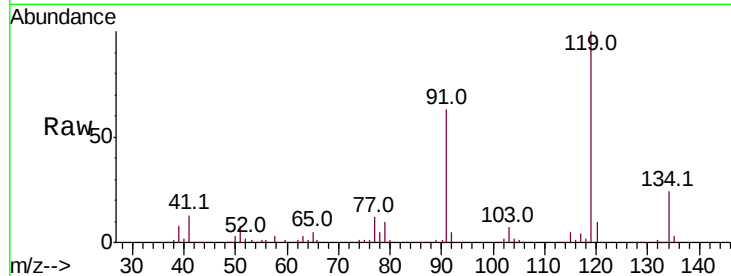
ClientSampled :

VN0614WBS01

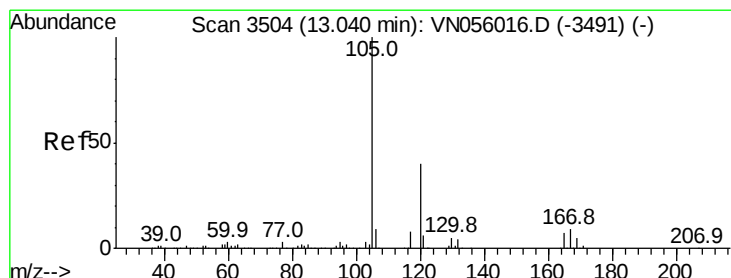
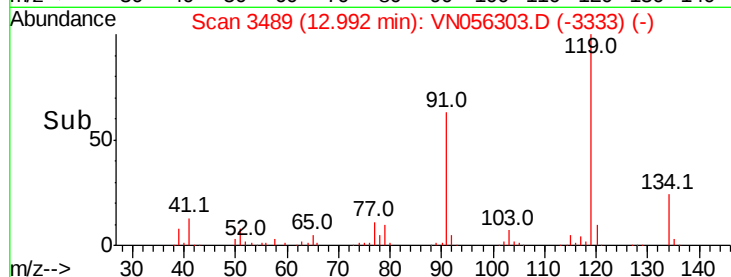
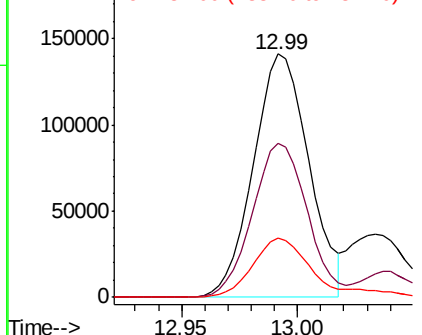
Tot Ion:	119	Resp:	234884
Ion Ratio	Lower	Upper	
119	100		
91	62.5	0.0	122.8
134	26.8	0.0	50.2

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 19.577 ug/l

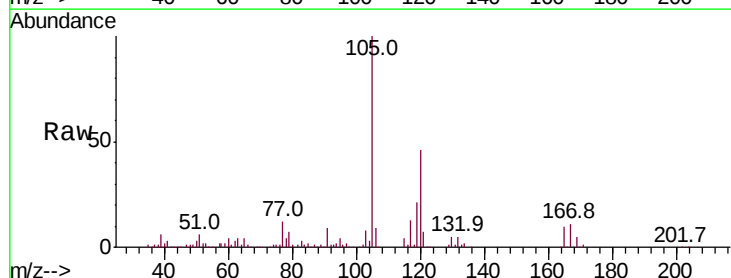
RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

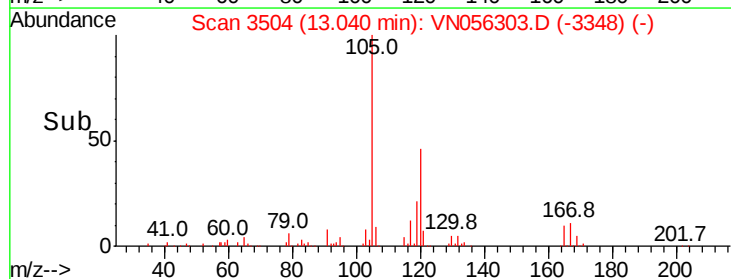
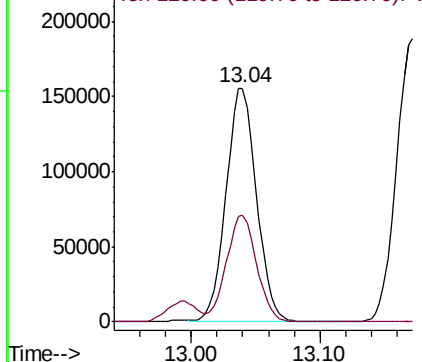
Lab File: VN056303.D

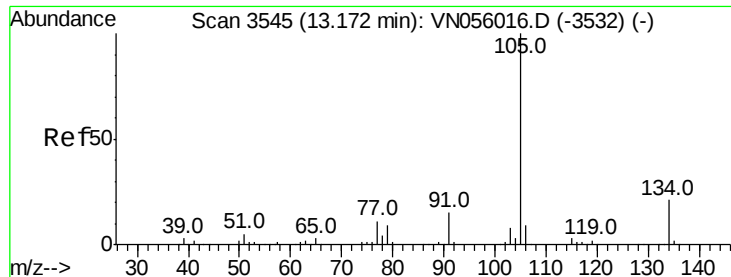
Acq: 14 Jun 2019 10:37

Tgt Ion:	105	Resp:	254969
Ion Ratio	Lower	Upper	
105	100		
120	45.3	0.0	93.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





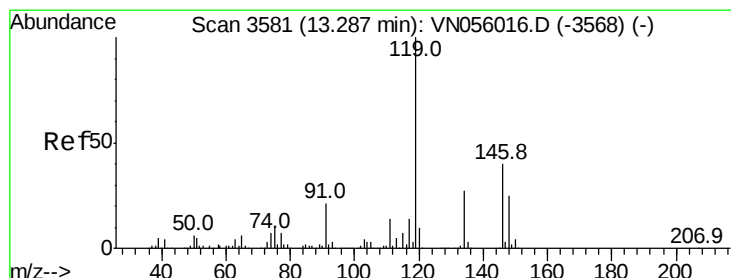
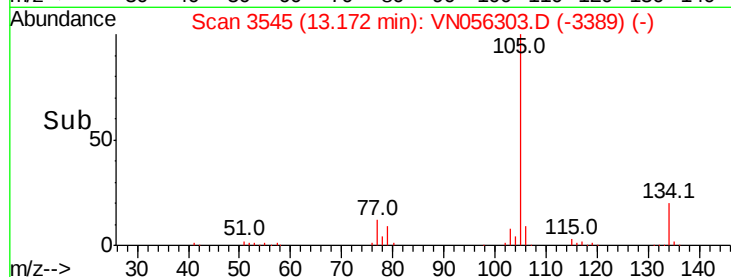
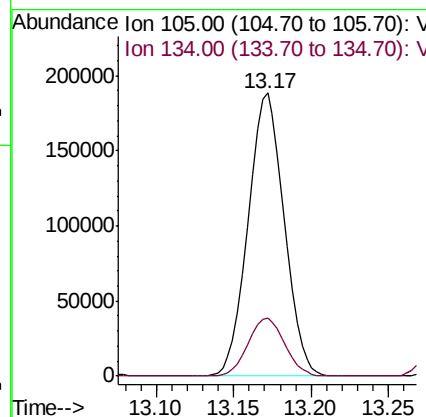
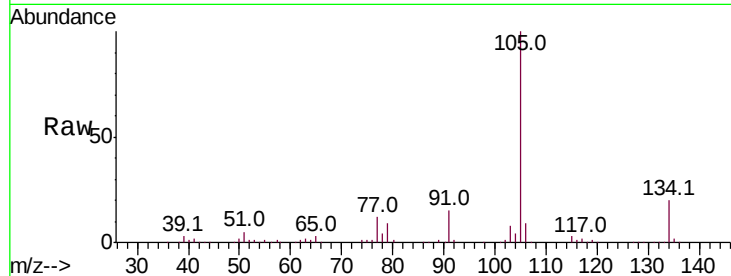
#81
 sec-Butylbenzene
 Concen: 20.403 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	306159		
134	20.8	0.0	41.8	

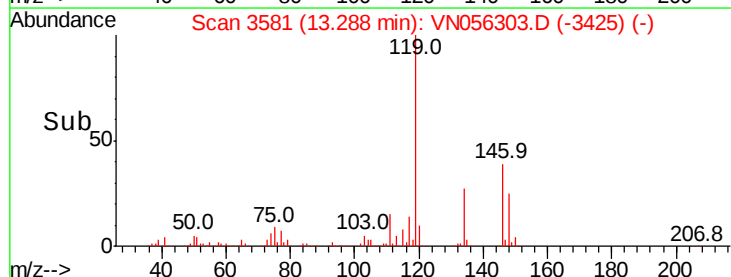
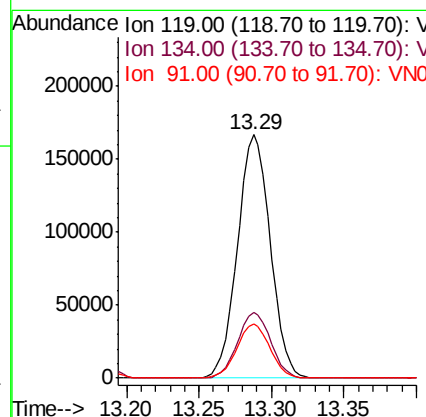
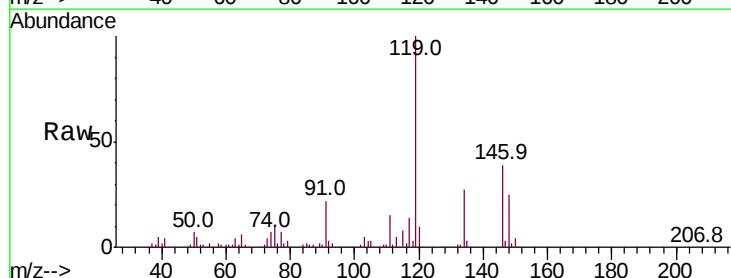
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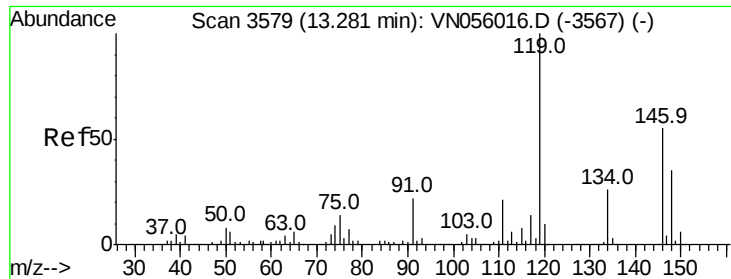
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 19.278 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	261544		
134	27.1	0.0	53.4	
91	22.5	0.0	43.0	





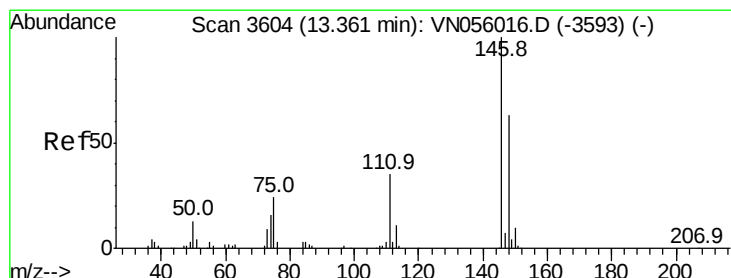
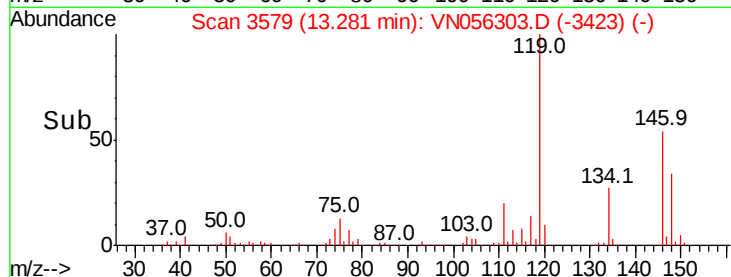
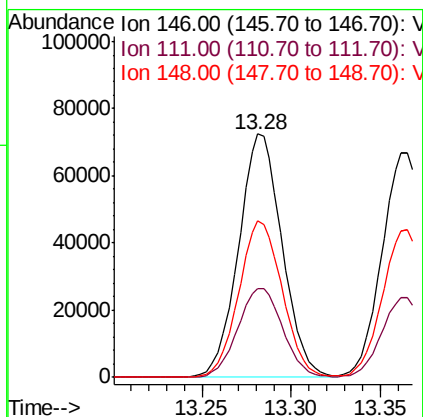
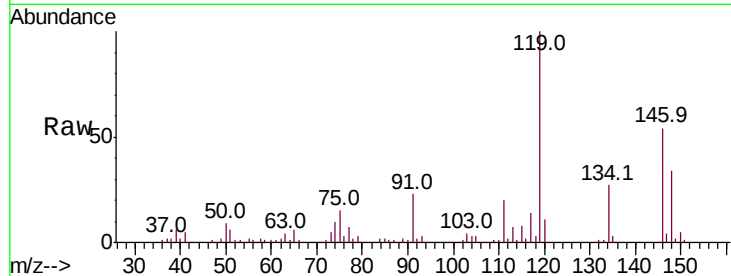
#83
 1,3-Dichlorobenzene
 Concen: 18.358 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.2	54.6
148	64.2	31.9	95.9

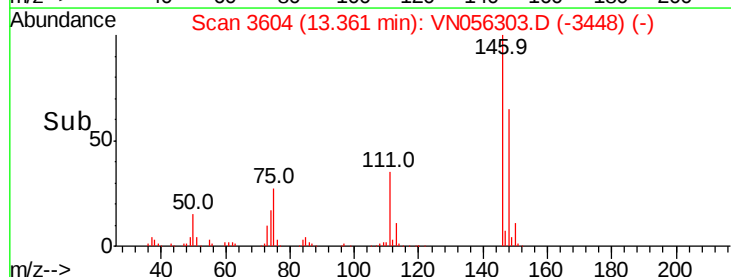
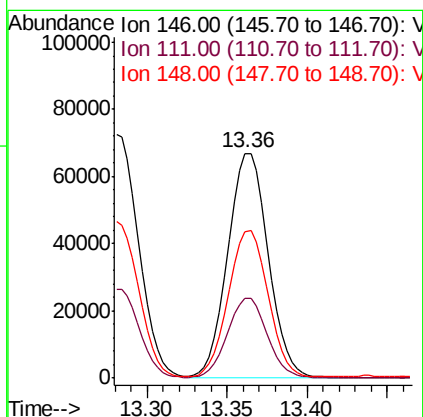
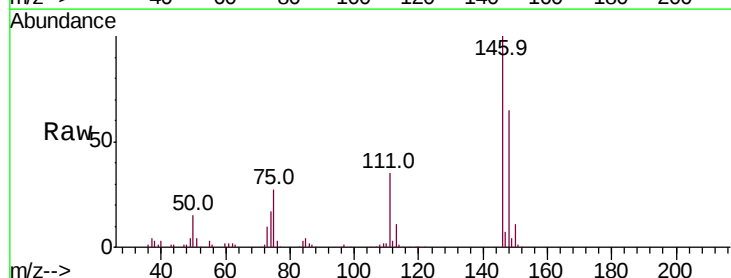
Manual Integrations
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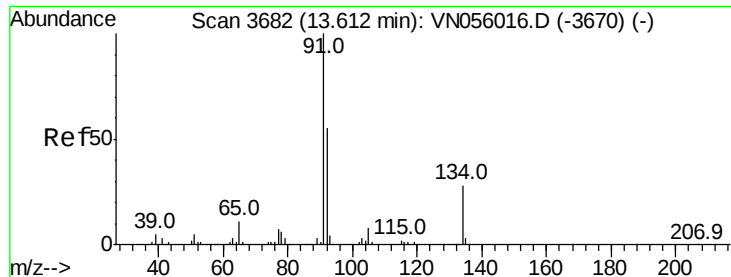
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#84
 1,4-Dichlorobenzene
 Concen: 18.010 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.9	17.6	52.9
148	64.0	32.1	96.3





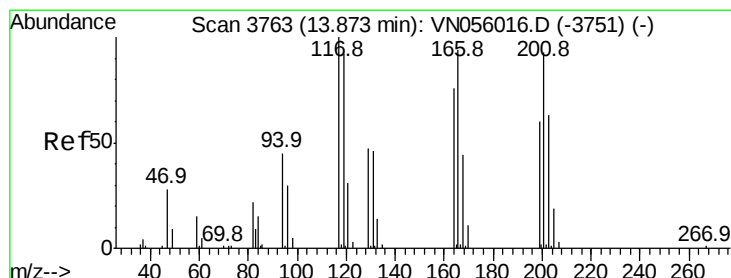
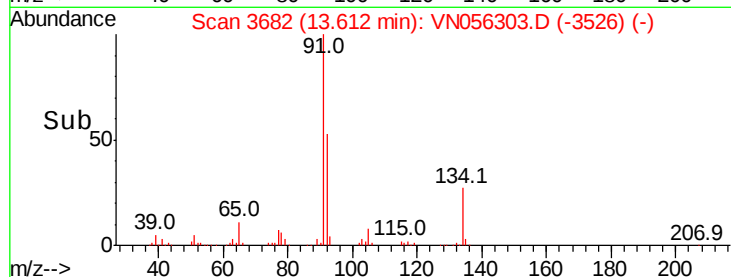
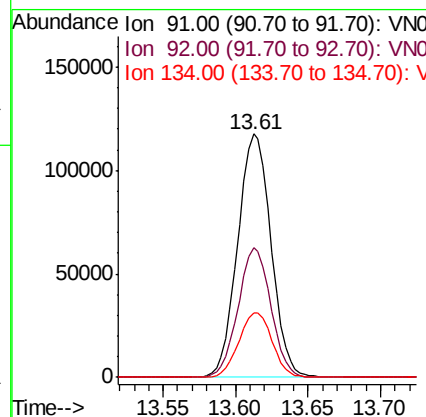
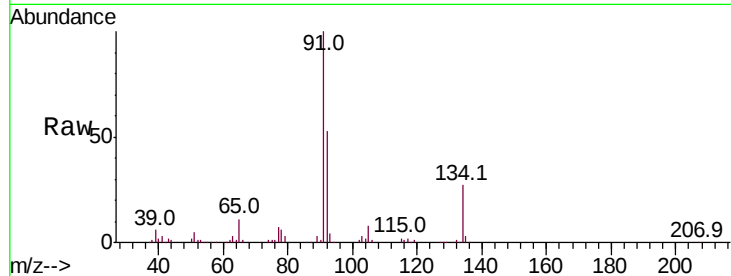
#85
n-Butylbenzene
Concen: 18.576 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	188094		
92	52.3	0.0	107.2	
134	26.6	0.0	55.8	

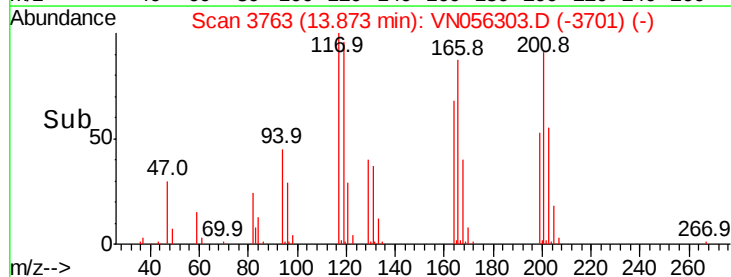
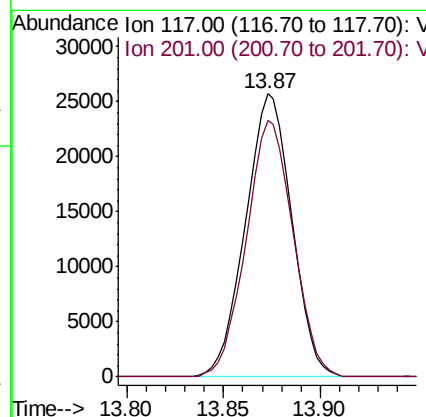
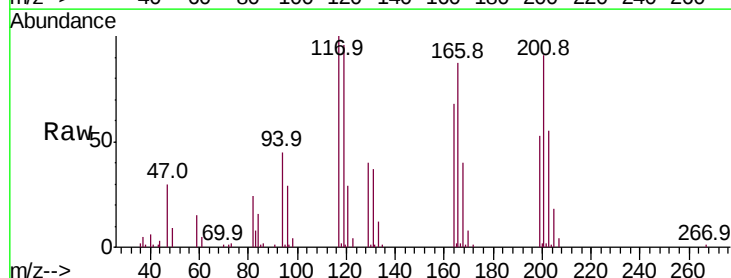
Manual Integrations
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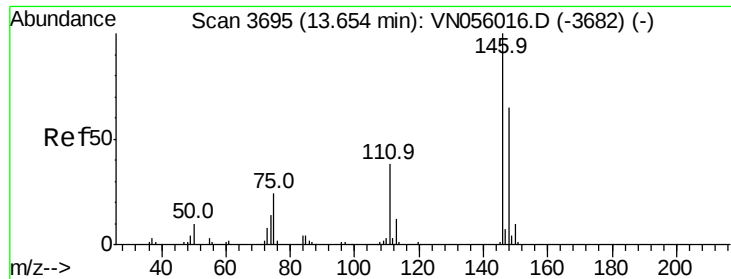
MMDadoda
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#86
Hexachloroethane
Concen: 20.279 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42891		
201	91.5	48.1	144.4	





#87

1,2-Dichlorobenzene

Concen: 18.335 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Instrument :

MSVOA_N

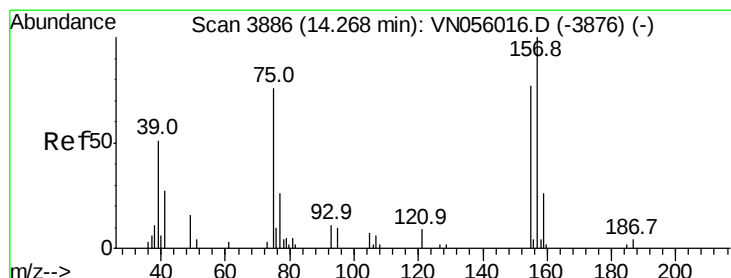
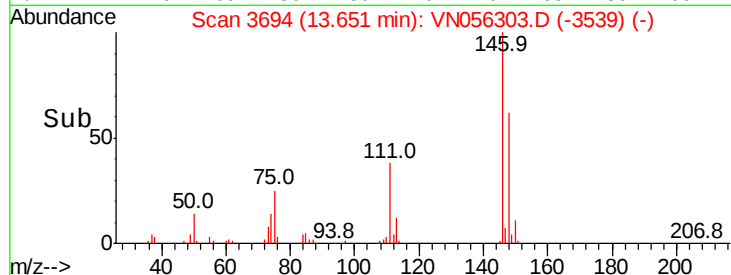
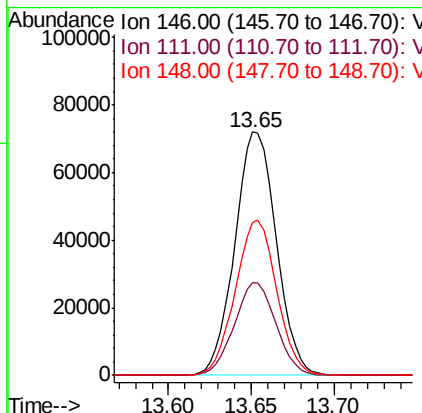
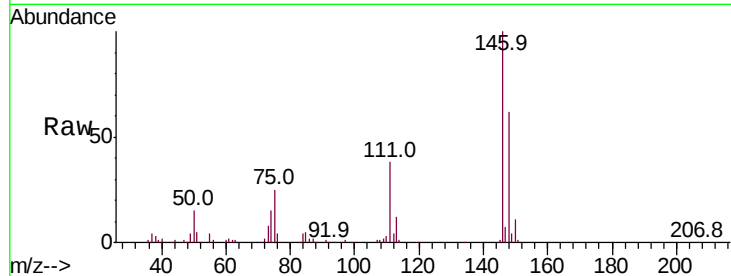
ClientSampleId :

VN0614WBS01

Tot Ion:	146	Resp:	125478
Ion Ratio	Lower	Upper	
146	100		
111	38.2	19.3	57.9
148	63.5	32.6	97.8

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 19.160 ug/l

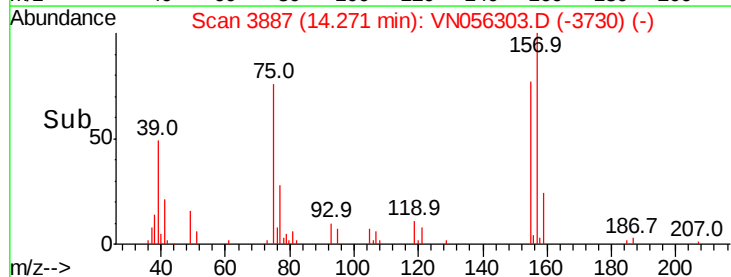
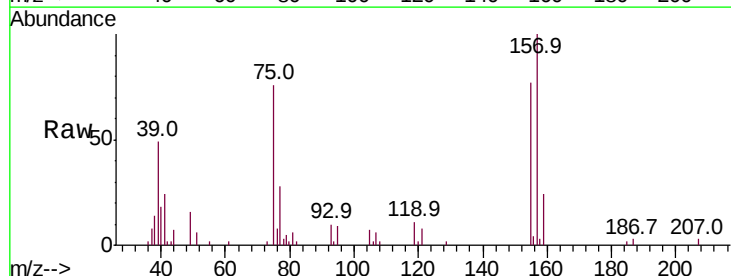
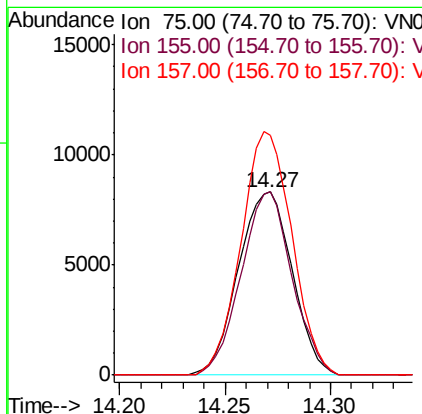
RT: 14.27 min Scan# 3887

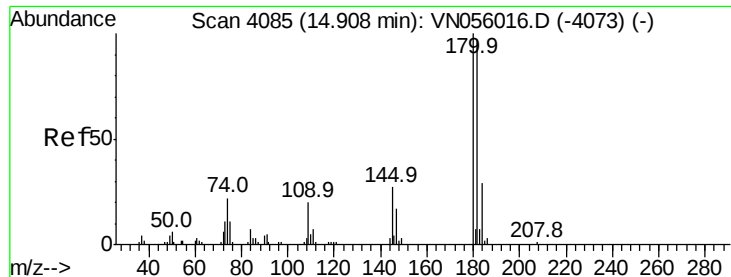
Delta R.T. 0.00 min

Lab File: VN056303.D

Acq: 14 Jun 2019 10:37

Tgt Ion:	75	Resp:	14759
Ion Ratio	Lower	Upper	
75	100		
155	94.8	82.5	123.7
157	125.7	105.1	157.7





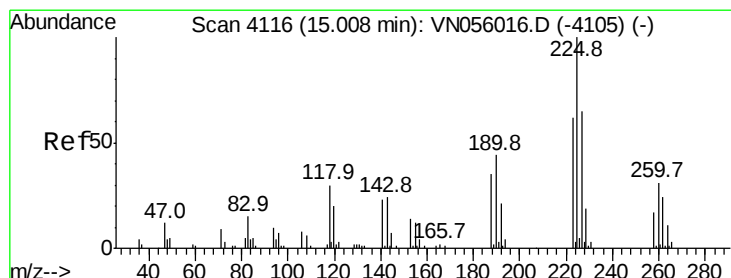
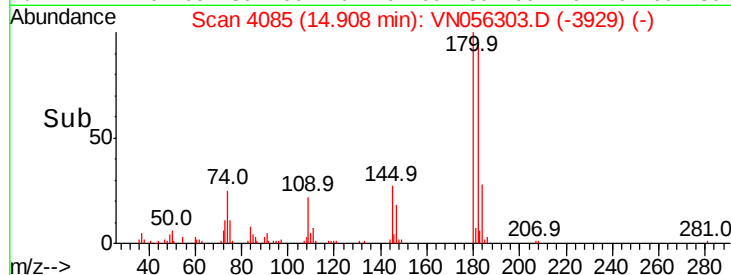
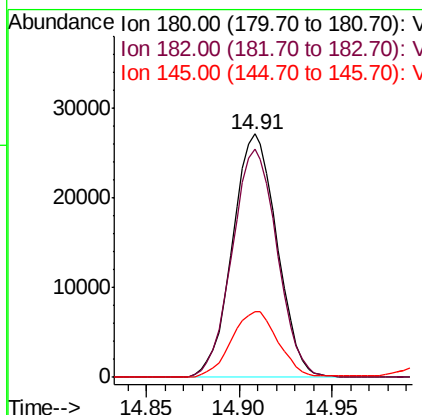
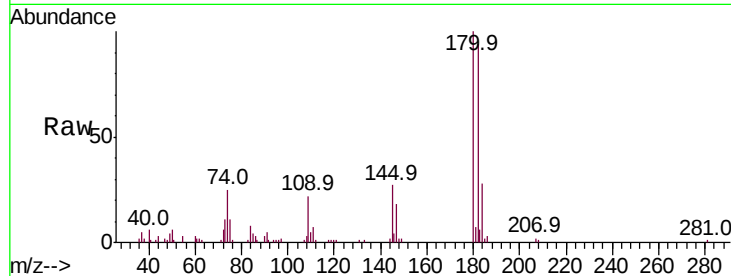
#89
 1,2,4-Trichlorobenzene
 Concen: 17.960 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.0	112.6
145	28.3	22.1	33.1

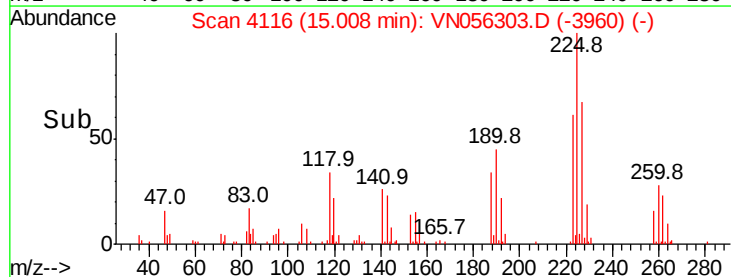
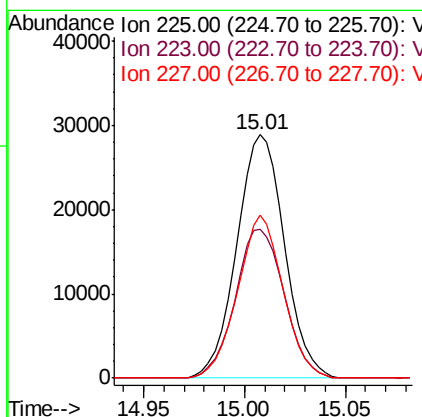
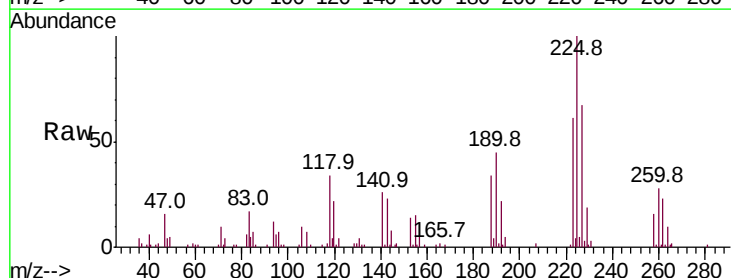
Manual Integrations
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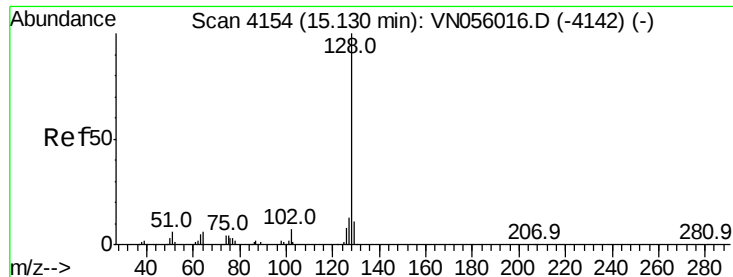
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#90
 Hexachlorobutadiene
 Concen: 19.165 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056303.D
 Acq: 14 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	0.0	125.6
227	63.7	0.0	128.6





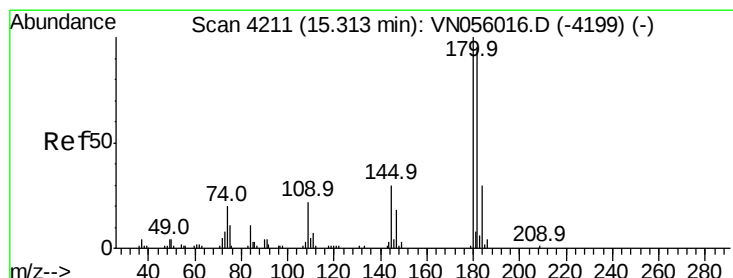
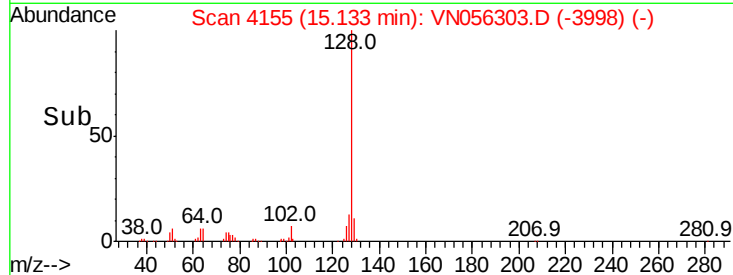
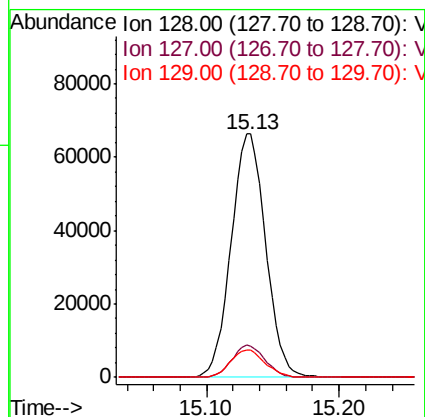
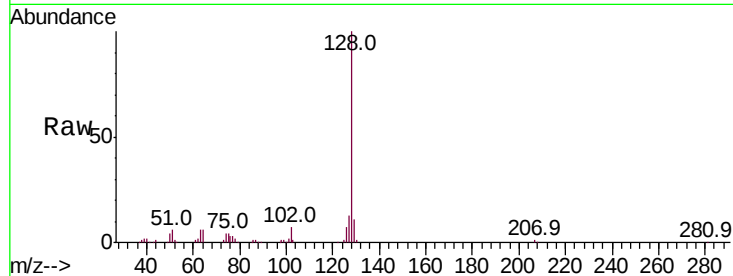
#91
Naphthalene
Concen: 13.205 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/17/2019 9:45:57 AM



#92
1,2,3-Trichlorobenzene
Concen: 15.016 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056303.D
Acq: 14 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	0.0	193.4
145	30.2	0.0	59.8

